

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
 Data File : BF091742.D
 Acq On : 18 Dec 2016 17:57
 Operator : UM/SJ
 Sample : H6125-02MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Quant Time: Dec 19 03:18:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	163409	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	800505	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	694629	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	984877	20.00	ng	0.00
75) Chrysene-d12	13.93	240	735152	20.00	ng	0.00
86) Perylene-d12	15.32	264	633442	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	2477197	253.98	ng	0.02
7) Phenol-d6	6.42	99	3127656	262.93	ng	0.00
23) Nitrobenzene-d5	7.34	82	1725900	124.33	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	759452	128.94	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	3372137	97.53	ng	0.00
78) Terphenyl-d14	12.88	244	2595889	89.16	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.40	88	381293	79.38	ng	98
3) Pyridine	3.08	79	1065922	68.88	ng	99
4) n-Nitrosodimethylamine	3.05	42	532954	88.99	ng	97
6) Aniline	6.44	93	545277	35.63	ng	# 68
8) 2-Chlorophenol	6.56	128	763446	71.11	ng	95
9) Benzaldehyde	6.32	77	163504	20.48	ng	95
10) Phenol	6.44	94	1273351	94.97	ng	# 74
11) bis(2-Chloroethyl)ether	6.51	93	862165	80.51	ng	95
12) 1,3-Dichlorobenzene	6.70	146	588996	49.95	ng	# 88
13) 1,4-Dichlorobenzene	6.78	146	598677	50.18	ng	99
14) 1,2-Dichlorobenzene	6.94	146	597514	57.18	ng	98
15) Benzyl Alcohol	6.92	79	543990	59.07	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.06	45	872184	53.30	ng	99
17) 2-Methylphenol	7.05	107	539597	60.14	ng	# 92
18) Hexachloroethane	7.29	117	299772	67.63	ng	91
19) n-Nitroso-di-n-propylamine	7.20	70	497915	62.93	ng	98
20) 3+4-Methylphenols	7.20	107	669290	66.88	ng	91
22) Acetophenone	7.18	105	950482	49.18	ng	# 98
24) Nitrobenzene	7.36	77	816337	54.76	ng	99
25) Isophorone	7.60	82	1712435	64.66	ng	95
26) 2-Nitrophenol	7.68	139	391153	54.40	ng	97
27) 2,4-Dimethylphenol	7.72	122	604632	51.54	ng	95
28) bis(2-Chloroethoxy)methane	7.81	93	1043080	67.31	ng	100
29) 2,4-Dichlorophenol	7.92	162	511047	47.24	ng	87
30) 1,2,4-Trichlorobenzene	8.00	180	523063	44.61	ng	# 94
31) Naphthalene	8.08	128	2078395	54.35	ng	100
32) Benzoic acid	7.82	122	72068	8.62	ng	93
33) 4-Chloroaniline	8.13	127	238565	14.81	ng	94
34) Hexachlorobutadiene	8.20	225	404066	61.29	ng	99
35) Caprolactam	8.52	113	205874m	59.14	ng	
36) 4-Chloro-3-methylphenol	8.64	107	1116643	93.56	ng	93
37) 2-Methylnaphthalene	8.77	142	2095215	86.90	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	833632	48.15	ng	99
40) Hexachlorocyclopentadiene	8.92	237	634545	86.47	ng	96

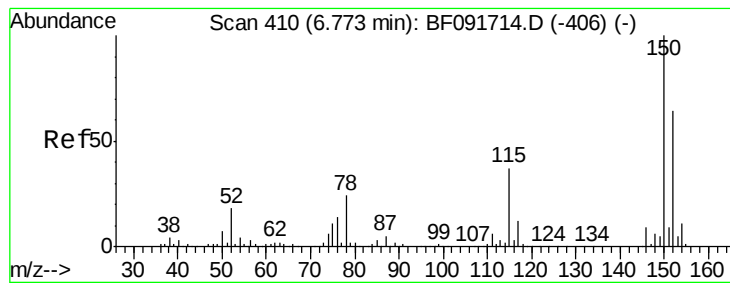
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
 Data File : BF091742.D
 Acq On : 18 Dec 2016 17:57
 Operator : UM/SJ
 Sample : H6125-02MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Quant Time: Dec 19 03:18:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	688883	55.68	nq	98
43) 2,4,5-Trichlorophenol	9.10	196	660798	54.37	nq #	90
45) 1,1'-Biphenyl	9.24	154	2444221	49.09	nq	98
46) 2-Chloronaphthalene	9.26	162	1877505	50.46	nq	96
47) 2-Nitroaniline	9.36	65	647598	50.98	nq	98
48) Acenaphthylene	9.68	152	2802129	48.61	nq	99
49) Dimethylphthalate	9.55	163	3125675	68.89	nq	99
50) 2,6-Dinitrotoluene	9.61	165	565231	56.82	nq	97
51) Acenaphthene	9.85	154	1977315	49.97	nq	99
52) 3-Nitroaniline	9.77	138	230779	18.63	nq	90
53) 2,4-Dinitrophenol	9.88	184	261485	48.65	nq	97
54) Dibenzofuran	10.02	168	2448944	52.05	nq	98
55) 4-Nitrophenol	9.95	139	759680	88.32	nq	99
56) 2,4-Dinitrotoluene	10.01	165	585356	47.10	nq #	84
57) Fluorene	10.36	166	1938955	53.06	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	519190	51.67	nq	99
59) Diethylphthalate	10.25	149	2312072	51.84	nq	97
60) 4-Chlorophenyl-phenylether	10.35	204	768420	46.16	nq	98
61) 4-Nitroaniline	10.38	138	523518	44.61	nq	97
62) Azobenzene	10.51	77	2453558	51.70	nq	98
64) 4,6-Dinitro-2-methylphenol	10.42	198	361986	55.73	nq	90
65) n-Nitrosodiphenylamine	10.48	169	1851524	60.54	nq	100
66) 4-Bromophenyl-phenylether	10.84	248	521106	50.46	nq	98
67) Hexachlorobenzene	10.91	284	579419	53.54	nq #	92
68) Atrazine	11.01	200	571462	61.83	nq	96
69) Pentachlorophenol	11.10	266	580433	99.39	nq	99
70) Phenanthrene	11.32	178	2714506m	55.16	nq	
71) Anthracene	11.37	178	2398803m	46.02	nq	
72) Carbazole	11.53	167	2375604	52.12	nq	99
73) Di-n-butylphthalate	11.86	149	2817581	48.22	nq	99
74) Fluoranthene	12.51	202	2655434	51.66	nq	96
76) Benzidine	12.63	184	933690	44.12	nq	98
77) Pyrene	12.73	202	2368797	44.62	nq	99
79) Butylbenzylphthalate	13.36	149	1325985	53.36	nq	93
80) Benzo(a)anthracene	13.92	228	1971179	46.88	nq	100
81) 3,3'-Dichlorobenzidine	13.88	252	419964	24.96	nq #	96
82) Chrysene	13.95	228	1683376	38.62	nq	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	1445196	45.85	nq #	98
84) Di-n-octyl phthalate	14.52	149	2907169	50.05	nq	99
85) Indeno(1,2,3-cd)pyrene	16.68	276	1734458	40.47	nq	100
87) Benzo(b)fluoranthene	14.93	252	1955129m	48.67	nq	
88) Benzo(k)fluoranthene	14.97	252	1787815m	63.44	nq	
89) Benzo(a)pyrene	15.28	252	1767177	51.26	nq #	97
90) Dibenzo(a,h)anthracene	16.69	278	1419814	47.25	nq	99
91) Benzo(g,h,i)perylene	17.08	276	1423092	46.60	nq #	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

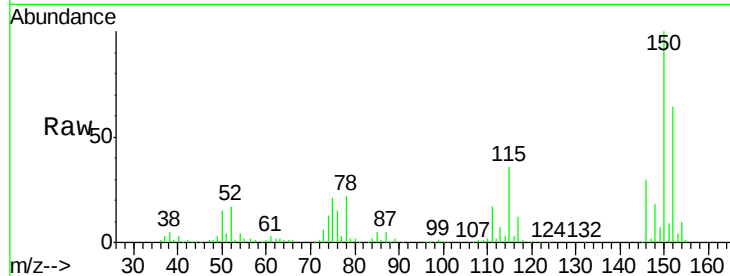


#1

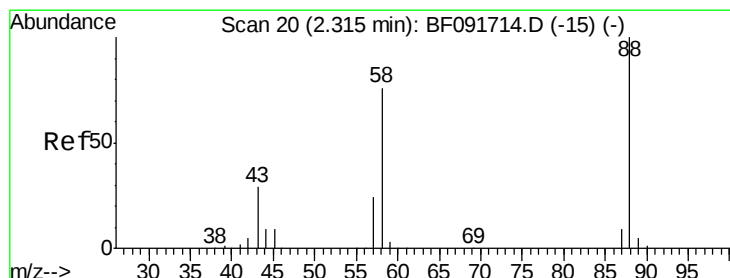
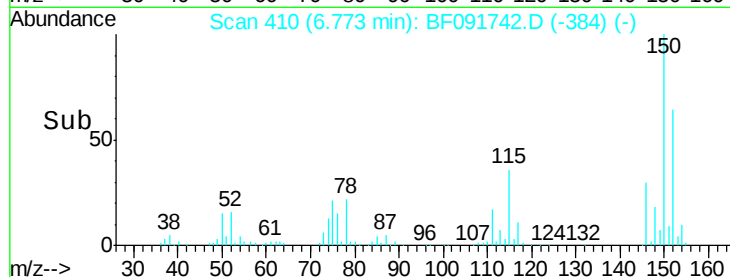
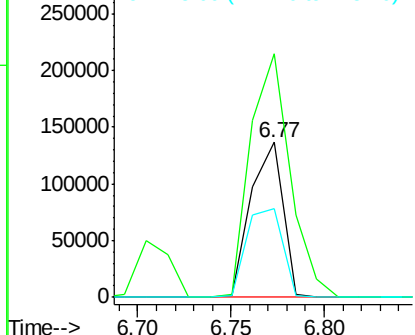
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:152 Resp: 163409
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 57.0 46.0 69.0



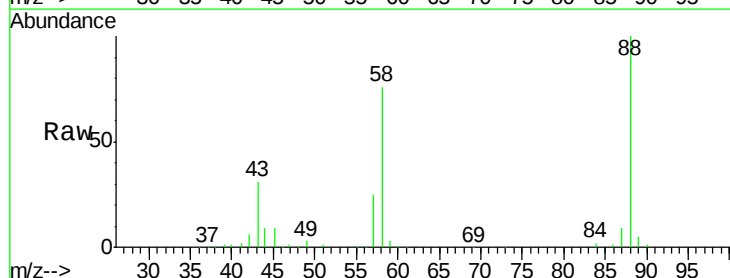
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



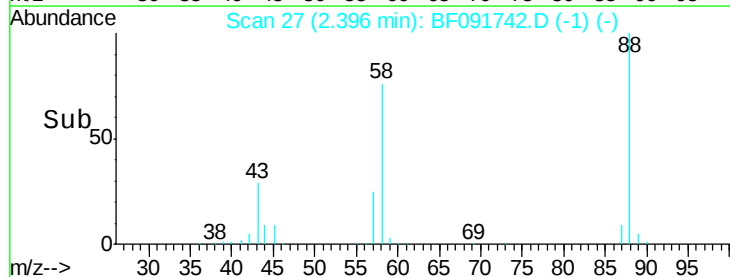
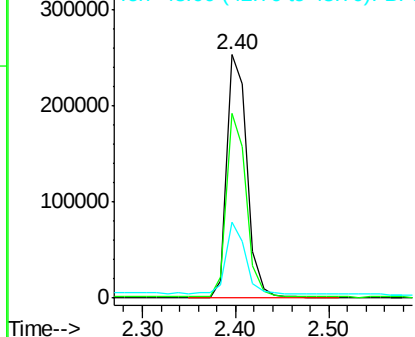
#2

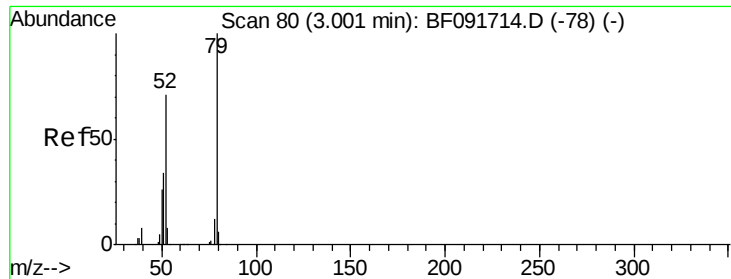
1,4-Dioxane
Concen: 79.38 ng
RT: 2.40 min Scan# 27
Delta R.T. 0.08 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion: 88 Resp: 381293
Ion Ratio Lower Upper
88 100
58 73.8 57.8 86.8
43 29.2 22.3 33.5



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

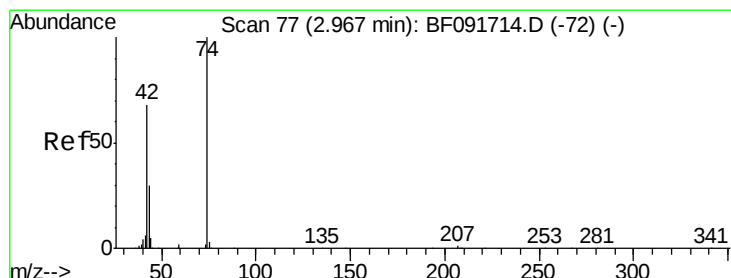
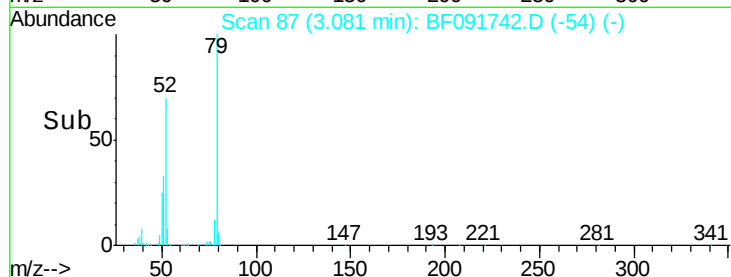
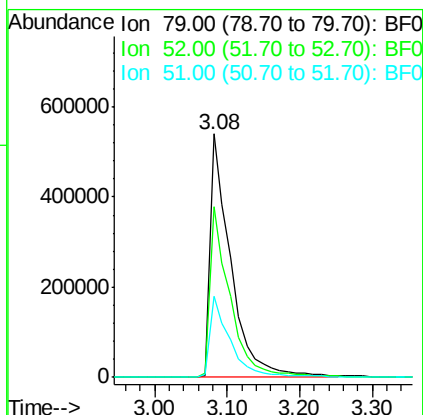
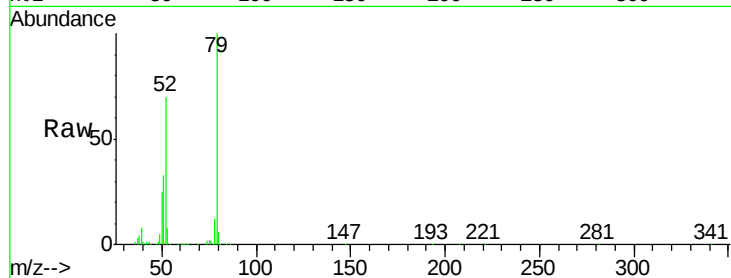




#3
 Pvridine
 Concen: 68.88 ng
 RT: 3.08 min Scan# 87
 Delta R.T. 0.08 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

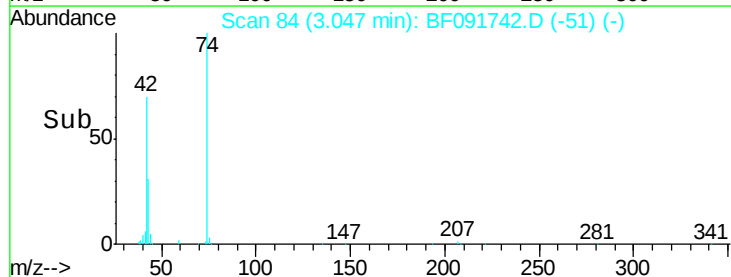
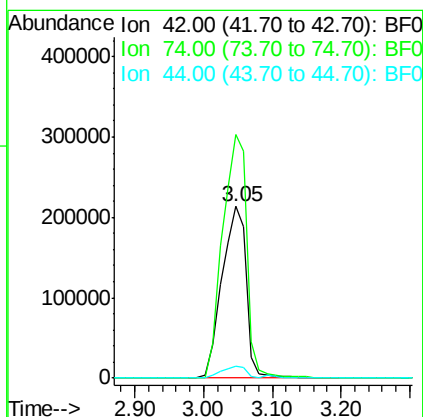
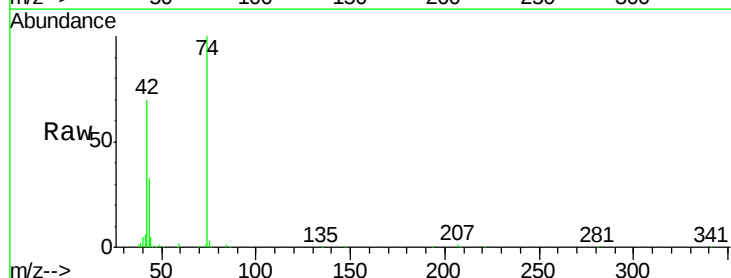
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

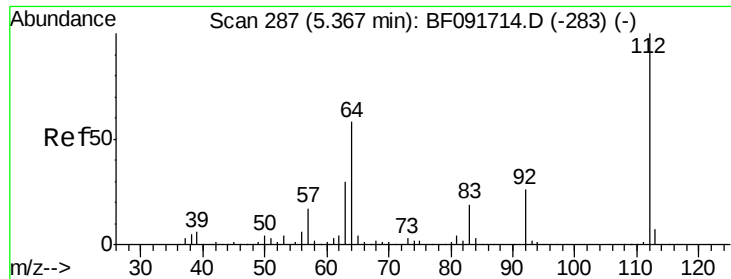
Tot Ion: 79 Resp: 1065922
 Ion Ratio Lower Upper
 79 100
 52 70.3 57.1 85.7
 51 33.3 27.3 40.9



#4
 n-Nitrosodimethylamine
 Concen: 88.99 ng
 RT: 3.05 min Scan# 84
 Delta R.T. 0.08 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion: 42 Resp: 532954
 Ion Ratio Lower Upper
 42 100
 74 141.9 117.0 175.4
 44 7.0 5.5 8.3





#5

2-Fluorophenol

Concen: 253.98 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.02 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

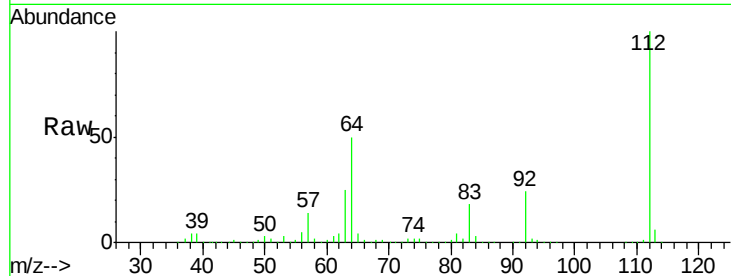
Tot Ion:112 Resp: 2477197

Ion Ratio Lower Upper

112 100

64 49.6 46.1 69.1

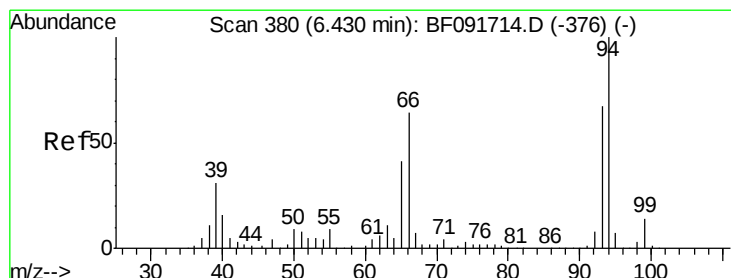
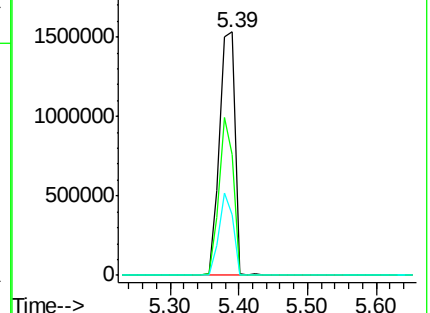
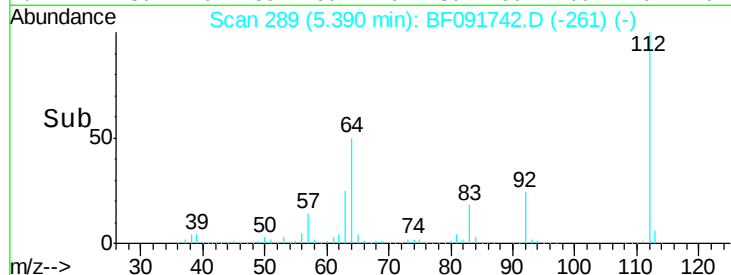
63 25.1 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 35.63 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

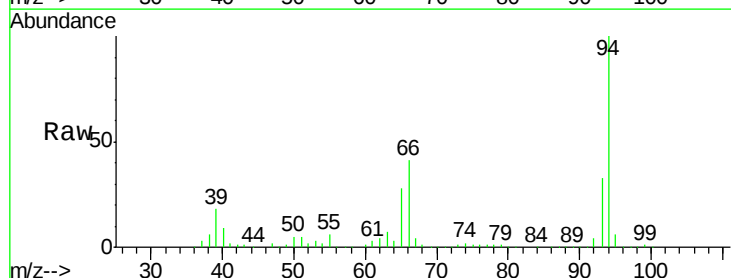
Tgt Ion: 93 Resp: 545277

Ion Ratio Lower Upper

93 100

66 125.6 76.2 114.2#

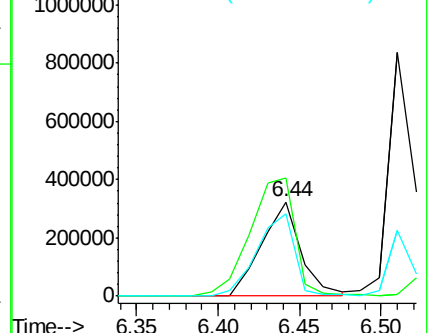
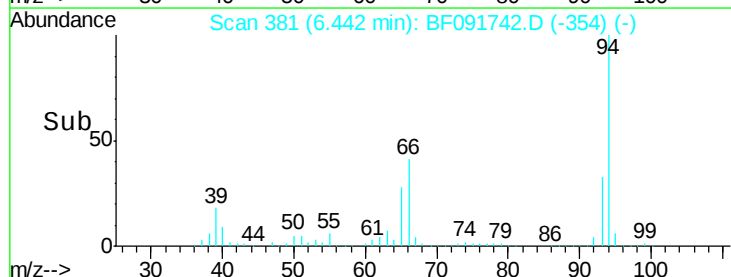
65 87.2 49.3 73.9#

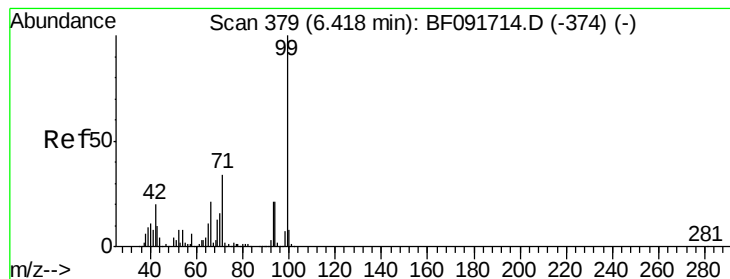


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 262.93 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

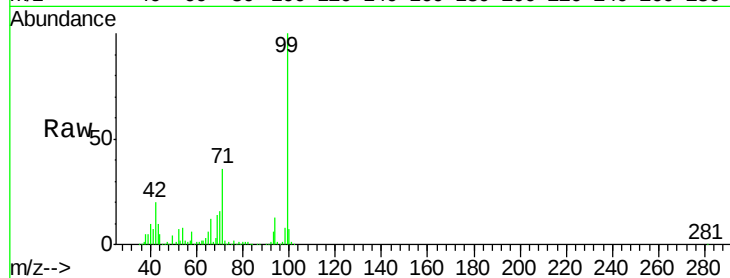
Tot Ion: 99 Resp: 3127656

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

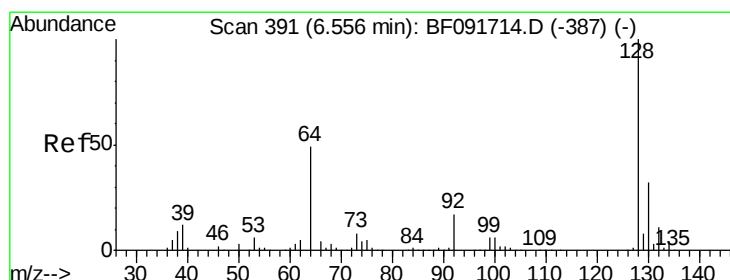
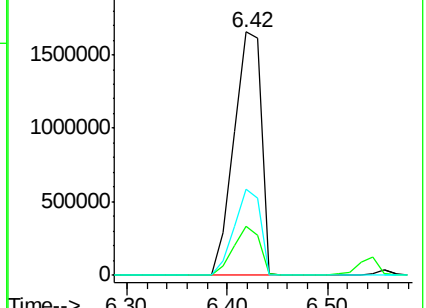
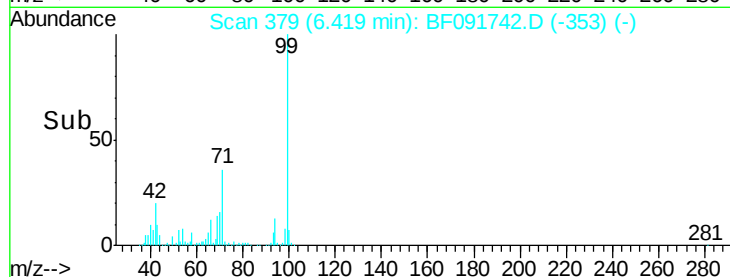
71 35.6 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 71.11 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

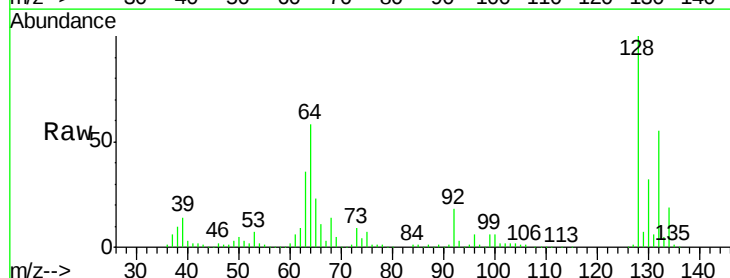
Tgt Ion:128 Resp: 763446

Ion Ratio Lower Upper

128 100

130 32.1 12.3 52.3

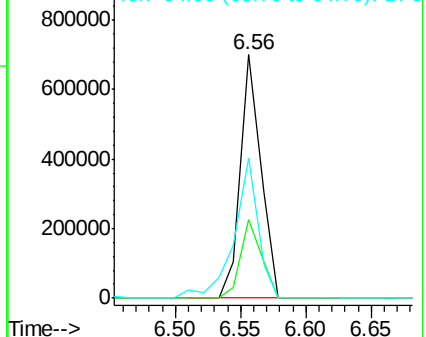
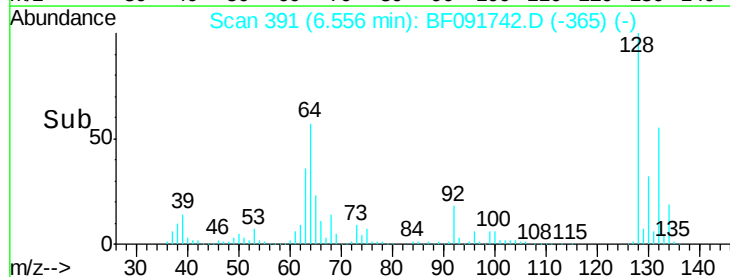
64 57.5 32.2 72.2

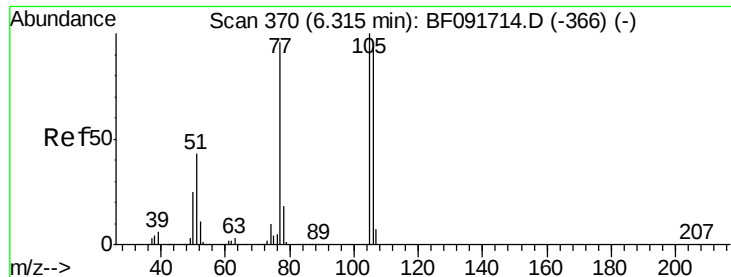


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 20.48 ng

RT: 6.32 min Scan# 370

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

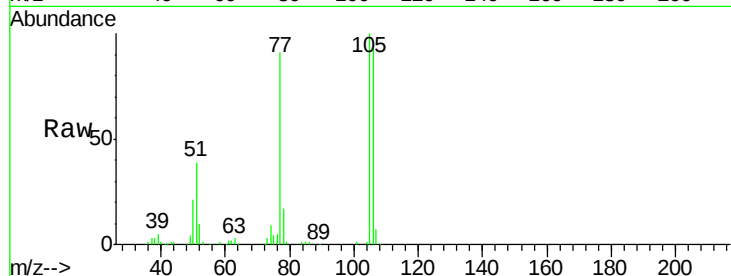
Tot Ion: 77 Resp: 163504

Ion Ratio Lower Upper

77 100

105 109.7 83.9 123.9

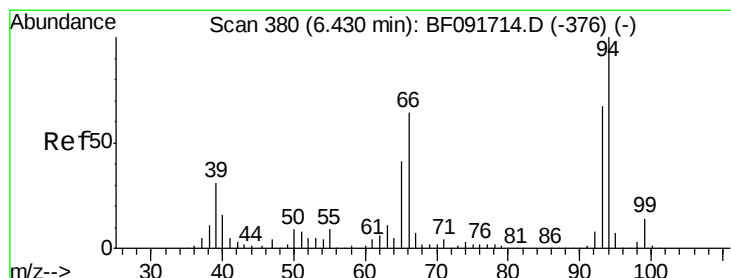
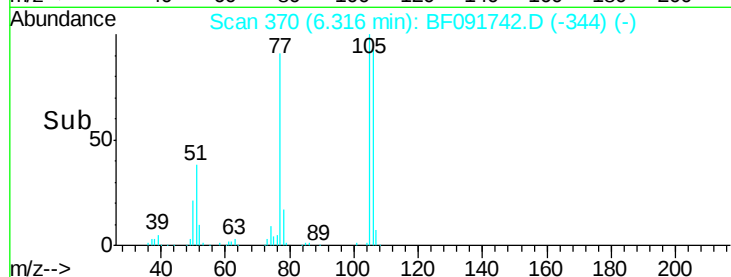
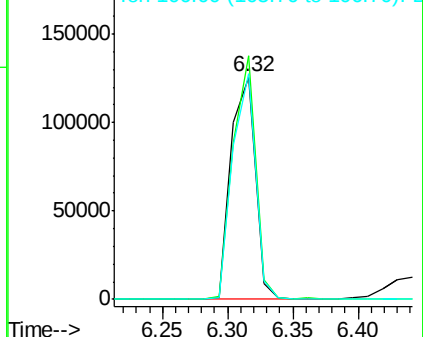
106 101.8 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 94.97 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

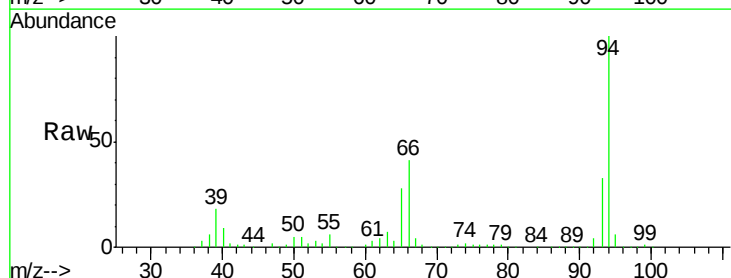
Tgt Ion: 94 Resp: 1273351

Ion Ratio Lower Upper

94 100

65 28.4 21.4 61.4

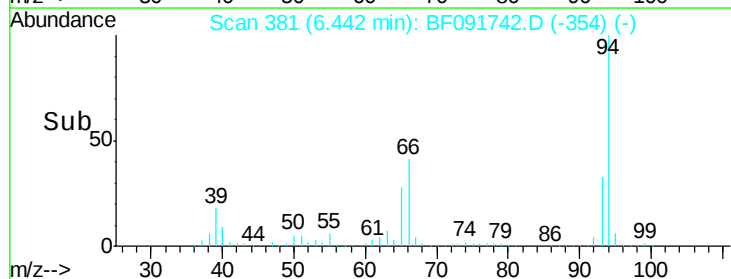
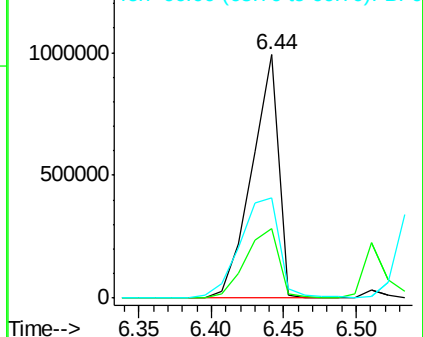
66 41.0 44.0 84.0#

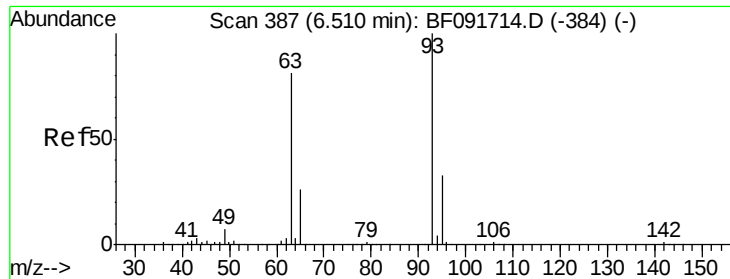


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

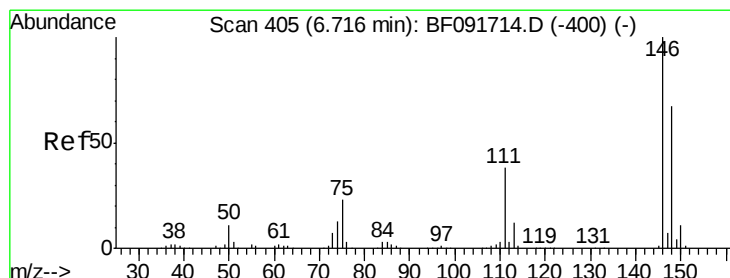
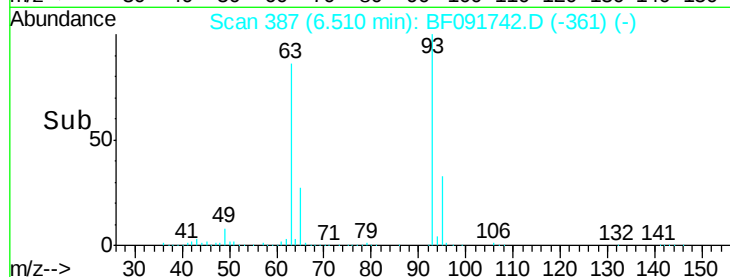
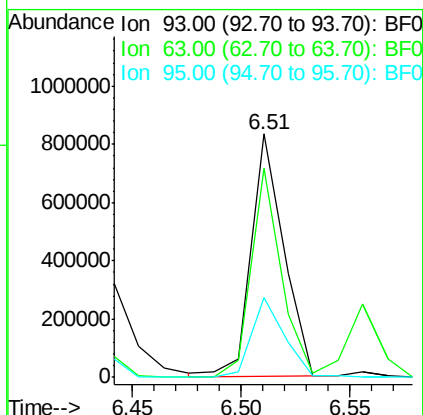
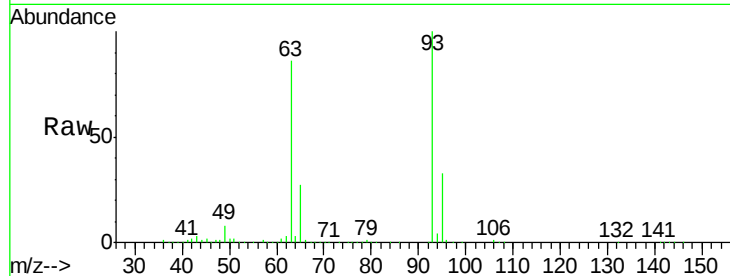




#11
bis(2-Chloroethyl)ether
Concen: 80.51 ng
RT: 6.51 min Scan# 387
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

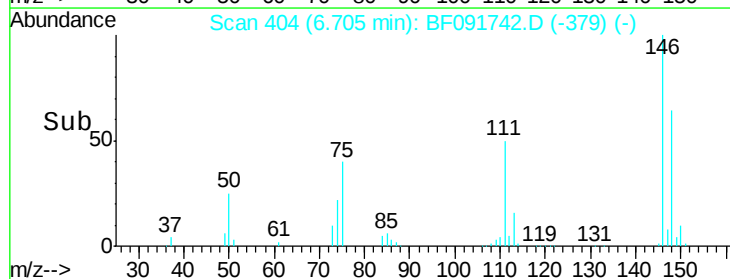
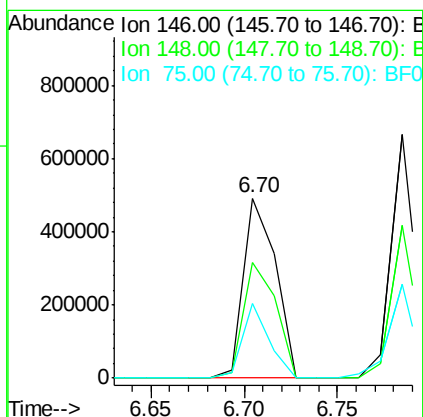
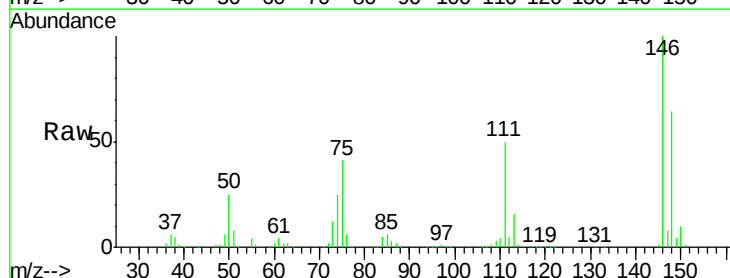
Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

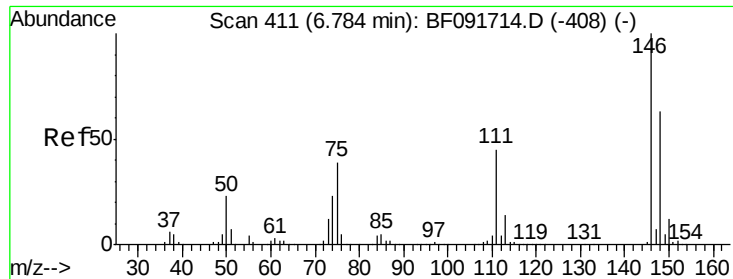
Tot Ion: 93 Resp: 862165
Ion Ratio Lower Upper
93 100
63 85.9 60.4 100.4
95 32.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 49.95 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion: 146 Resp: 588996
Ion Ratio Lower Upper
146 100
148 63.9 53.4 80.0
75 41.1 18.5 27.7#

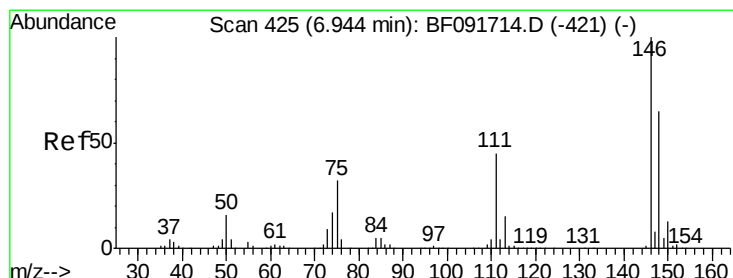
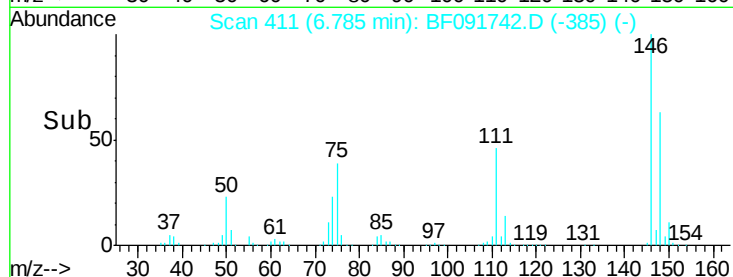
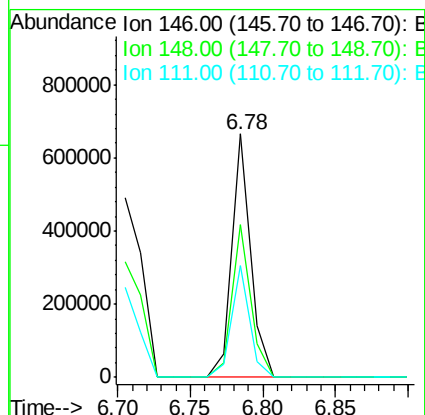
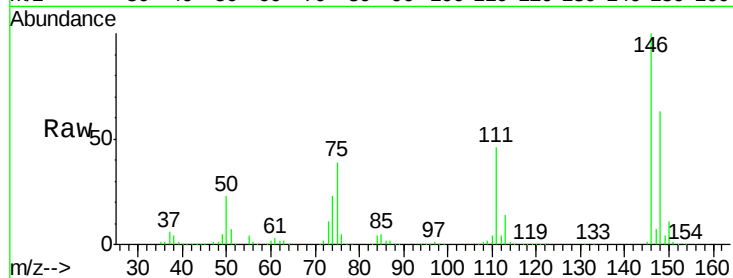




#13
 1,4-Dichlorobenzene
 Concen: 50.18 ng
 RT: 6.78 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

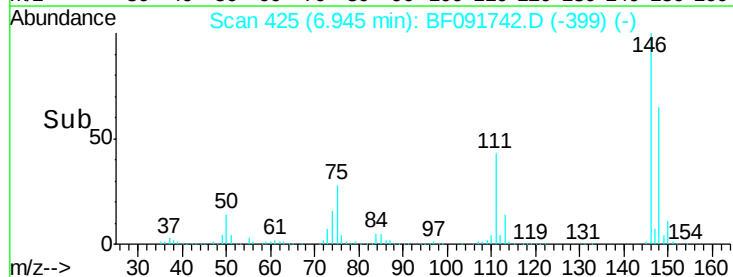
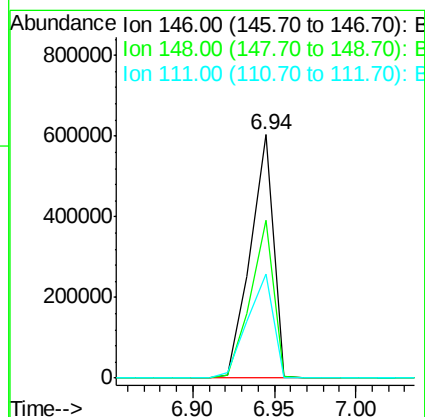
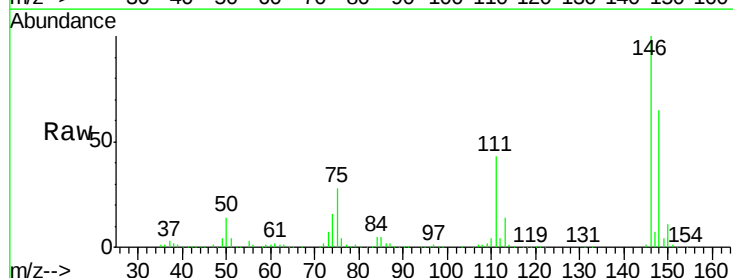
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

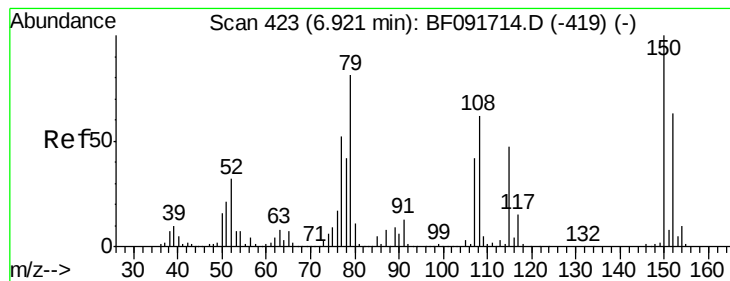
Tot Ion:146 Resp: 598677
 Ion Ratio Lower Upper
 146 100
 148 62.9 50.6 76.0
 111 45.7 36.2 54.4



#14
 1,2-Dichlorobenzene
 Concen: 57.18 ng
 RT: 6.94 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion:146 Resp: 597514
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.2 78.2
 111 42.5 36.2 54.2





#15

Benzyl Alcohol

Concen: 59.07 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

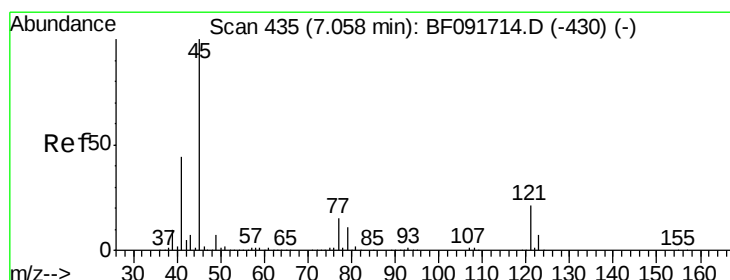
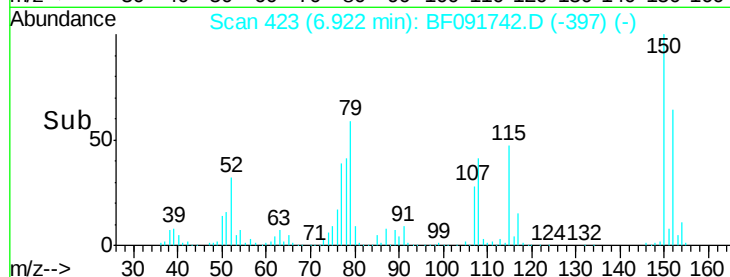
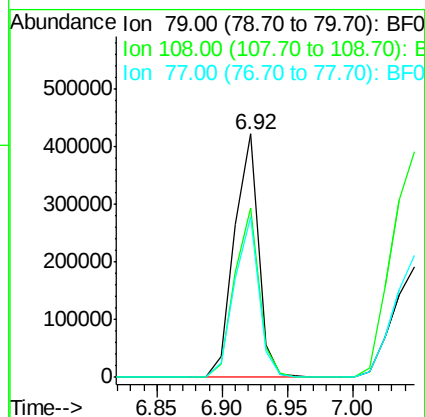
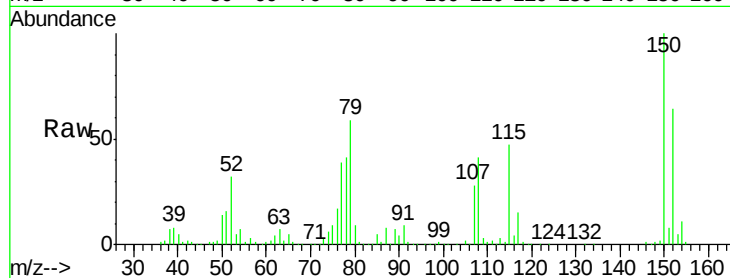
Tot Ion: 79 Resp: 543990

Ion Ratio Lower Upper

79 100

108 69.7 61.4 92.0

77 66.0 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 53.30 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

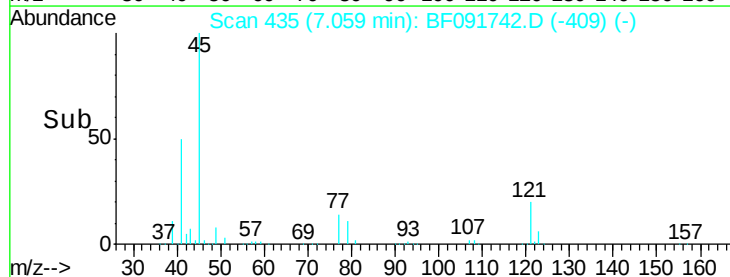
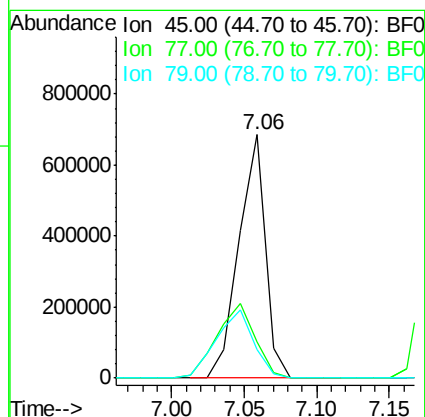
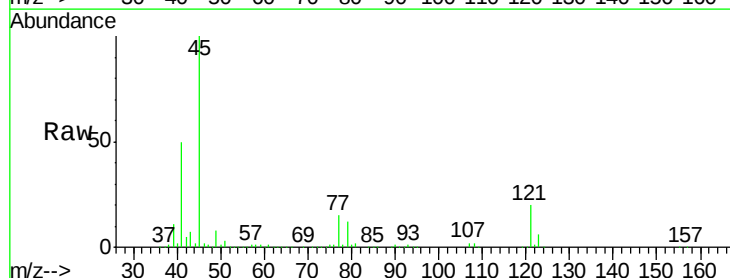
Tgt Ion: 45 Resp: 872184

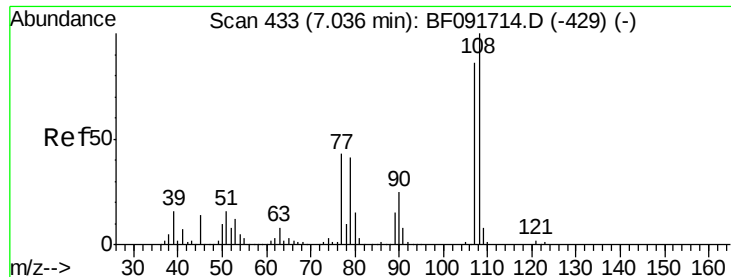
Ion Ratio Lower Upper

45 100

77 14.9 0.0 34.6

79 11.9 0.0 31.2





#17

2-Methylphenol

Concen: 60.14 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:107 Resp: 539597

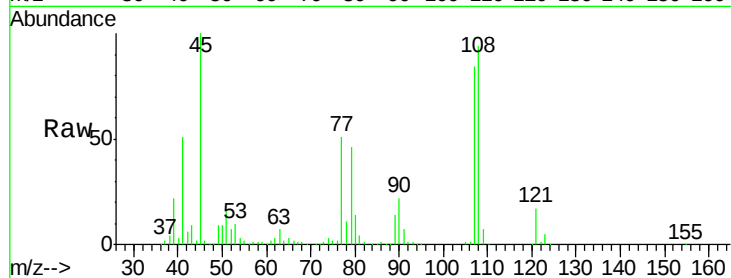
Ion Ratio Lower Upper

107 100

108 112.1 93.0 139.6

77 60.5 39.8 59.8#

79 54.7 38.0 57.0

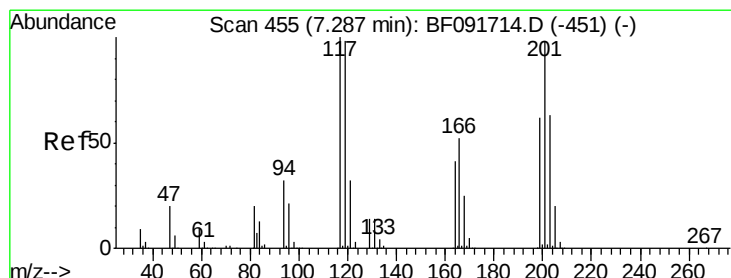
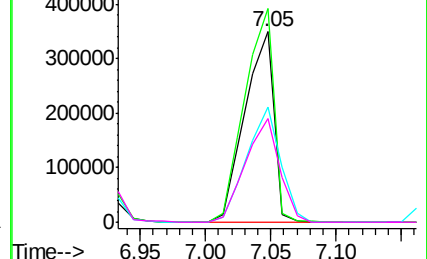
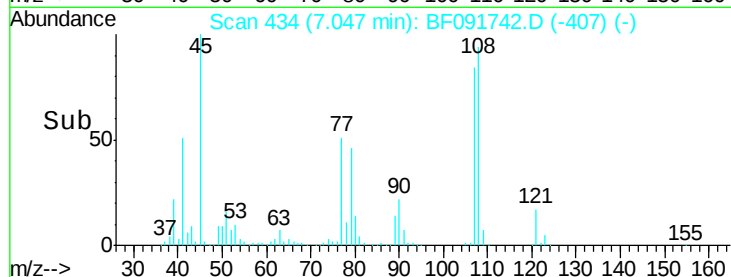


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 67.63 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

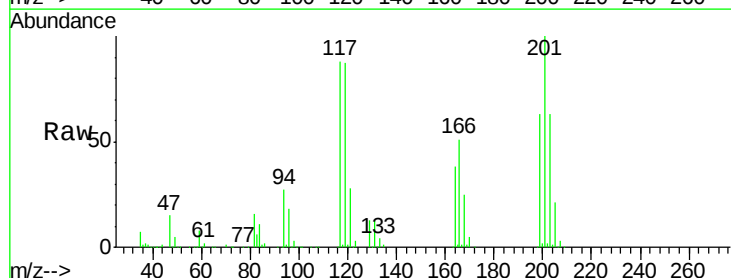
Tgt Ion:117 Resp: 299772

Ion Ratio Lower Upper

117 100

119 98.7 78.1 117.1

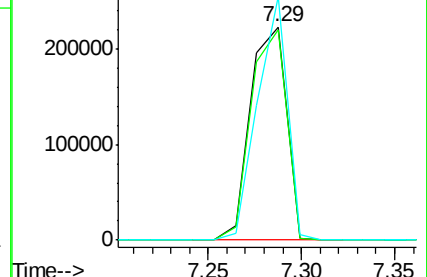
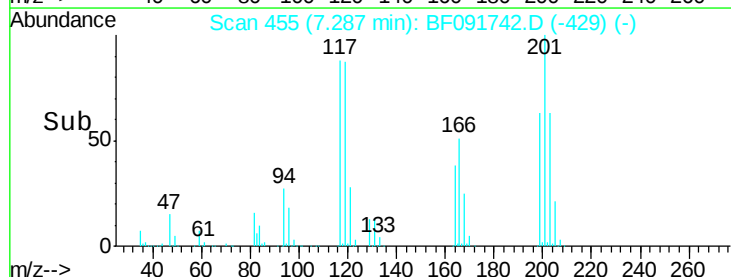
201 114.1 78.6 117.8

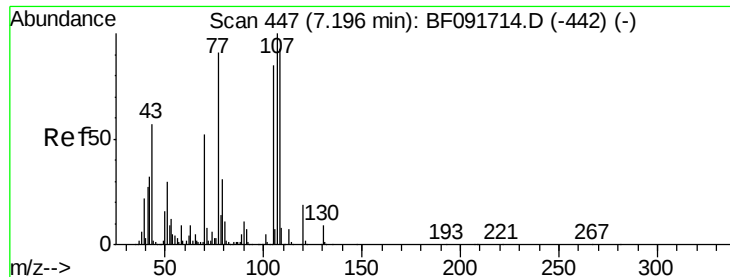


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

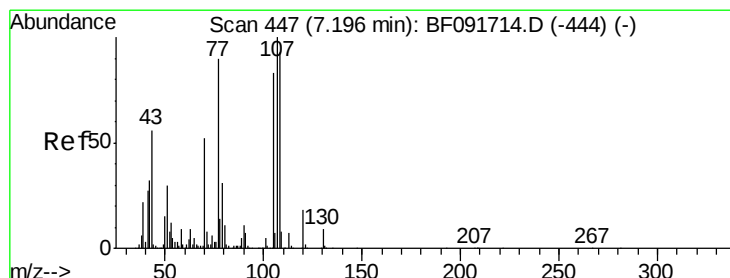
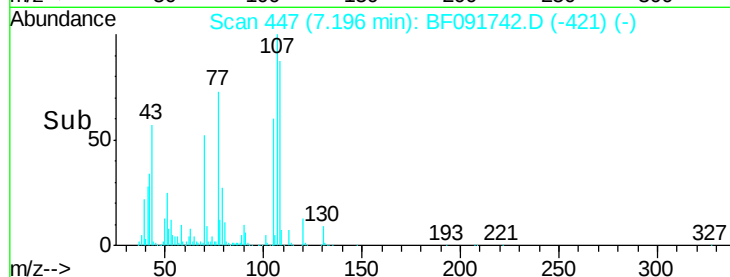
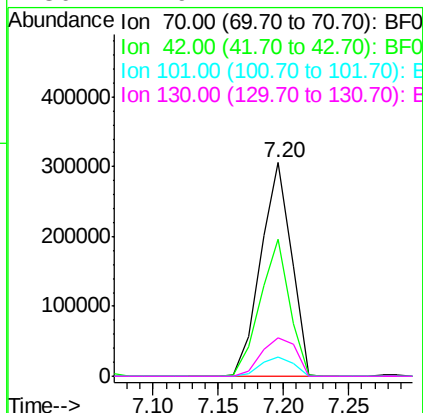
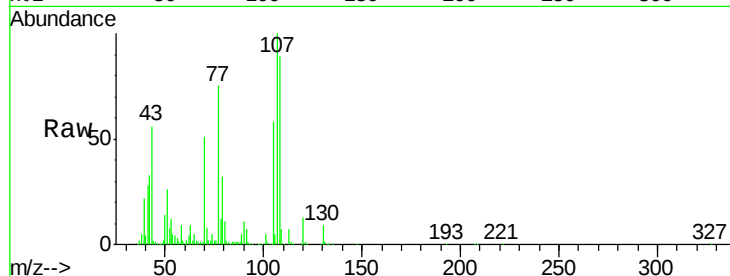




#19
n-Nitroso-di-n-propylamine
Concen: 62.93 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

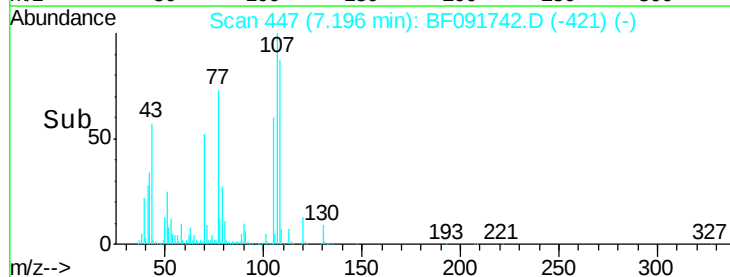
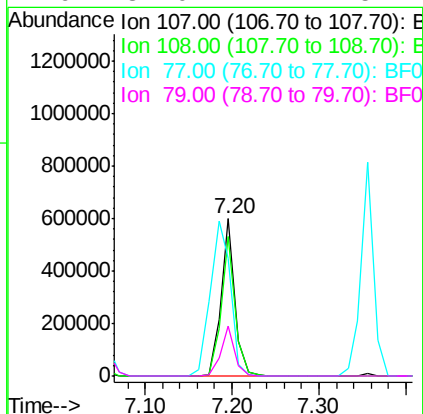
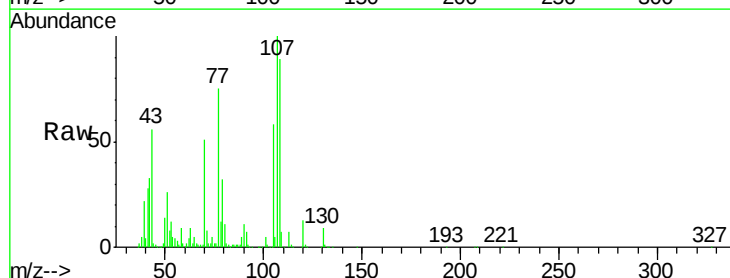
Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

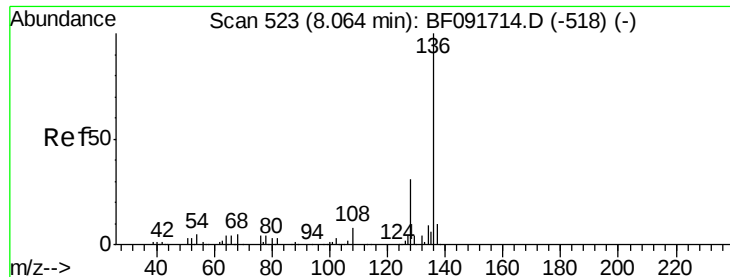
Tot Ion:	70	Resp:	497915
Ion	Ratio	Lower	Upper
70	100		
42	64.2	49.4	74.0
101	9.1	7.4	11.2
130	17.9	14.2	21.4



#20
3+4-Methylphenols
Concen: 66.88 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion:	107	Resp:	669290
Ion	Ratio	Lower	Upper
107	100		
108	88.9	73.0	113.0
77	75.1	71.3	111.3
79	32.0	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:136 Resp: 800505

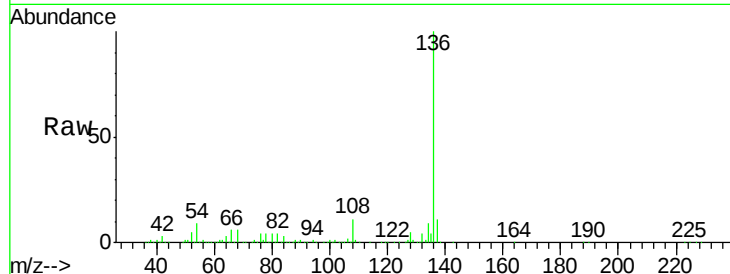
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 9.3 4.5 6.7#

68 6.5 3.6 5.4#

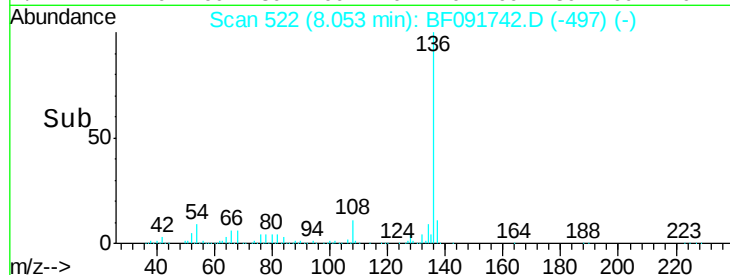


Abundance Ion 136.00 (135.70 to 136.70): E

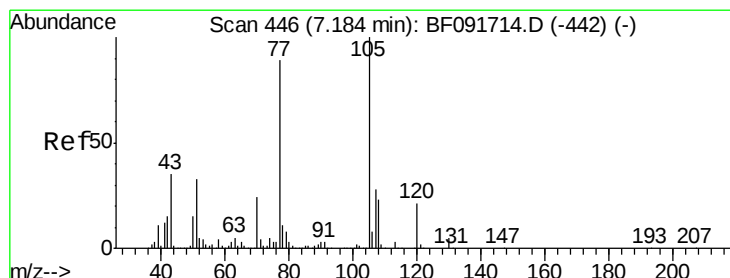
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 49.18 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Tgt Ion:105 Resp: 950482

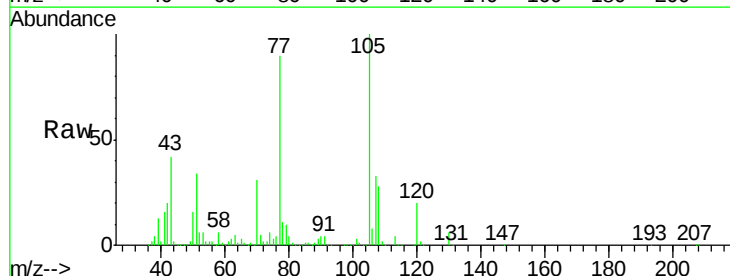
Ion Ratio Lower Upper

105 100

71 4.9 3.2 4.8#

51 34.0 26.2 39.4

120 20.2 16.6 24.8

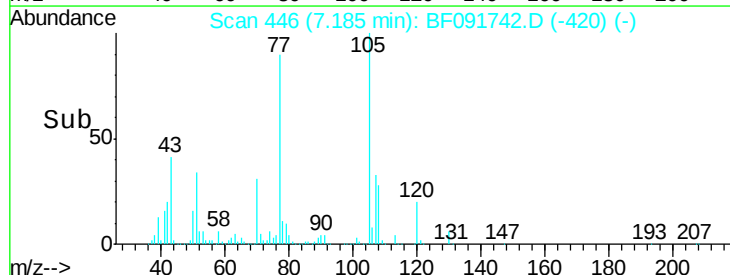


Abundance Ion 105.00 (104.70 to 105.70): E

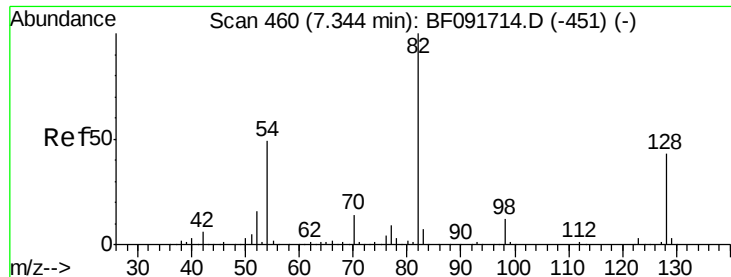
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

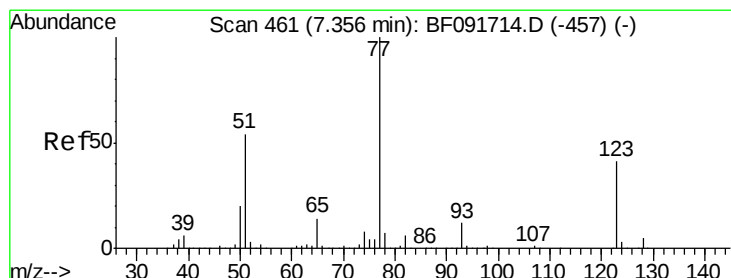
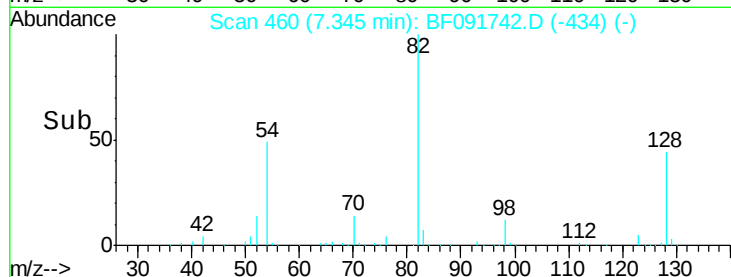
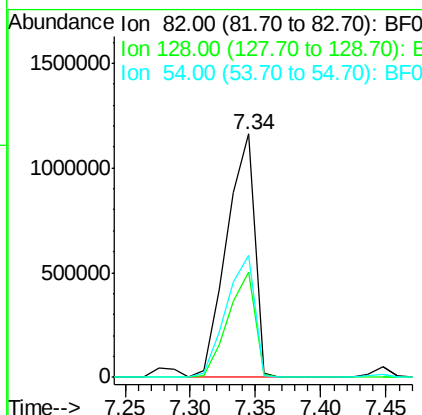
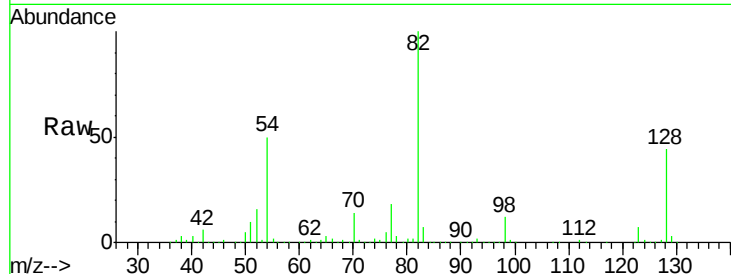


#23
 Nitrobenzene-d5
 Concen: 124.33 ng
 RT: 7.34 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion: 82 Resp: 1725900

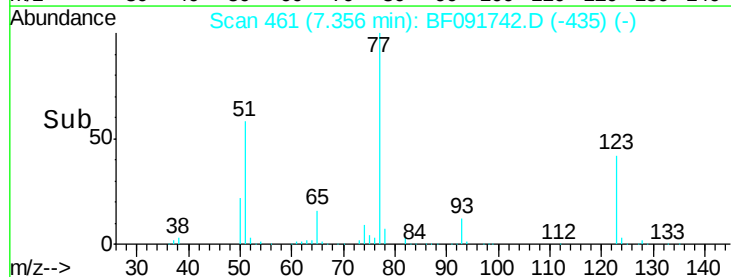
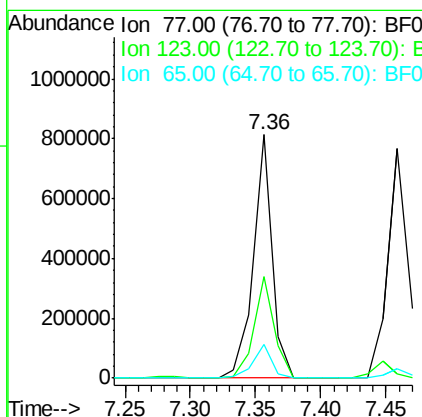
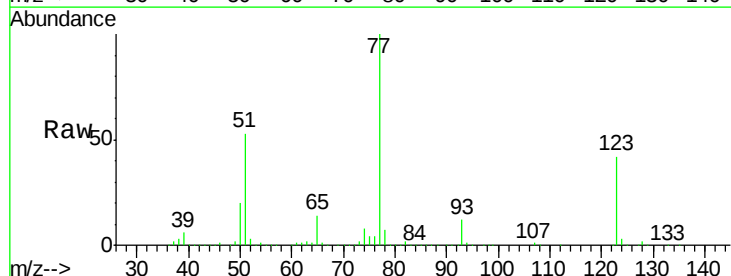
Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	49.9	39.5	59.3

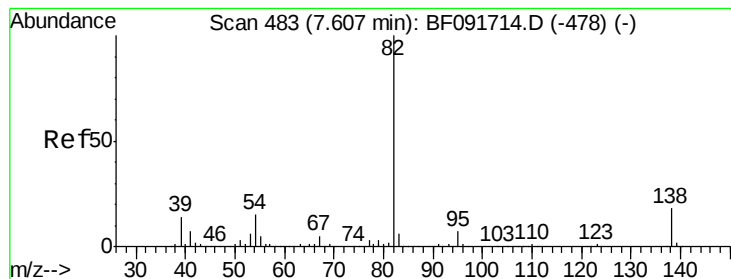


#24
 Nitrobenzene
 Concen: 54.76 ng
 RT: 7.36 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion: 77 Resp: 816337

Ion	Ratio	Lower	Upper
77	100		
123	41.7	33.0	49.4
65	14.1	11.2	16.8





#25

Isophorone

Concen: 64.66 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

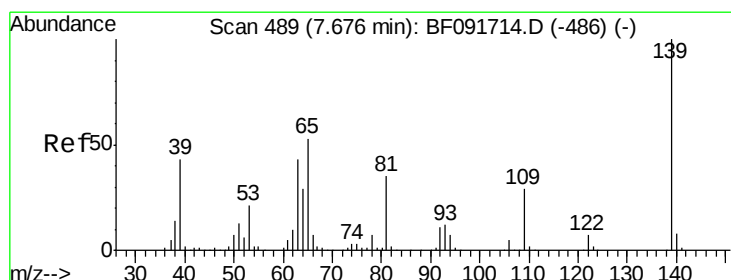
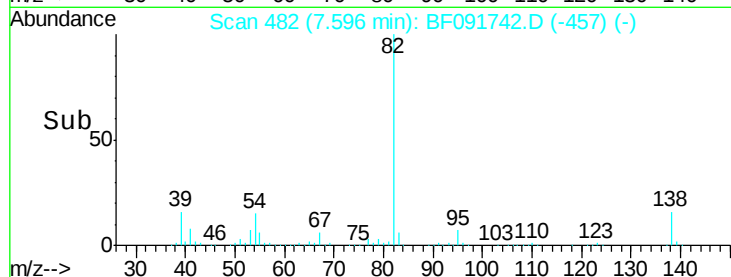
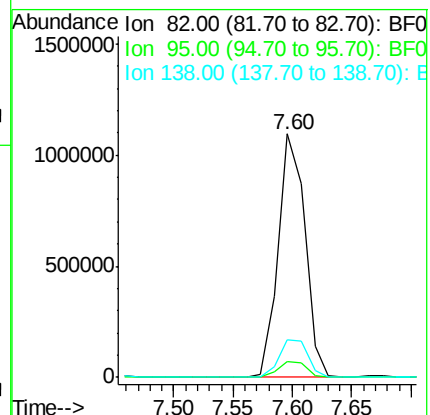
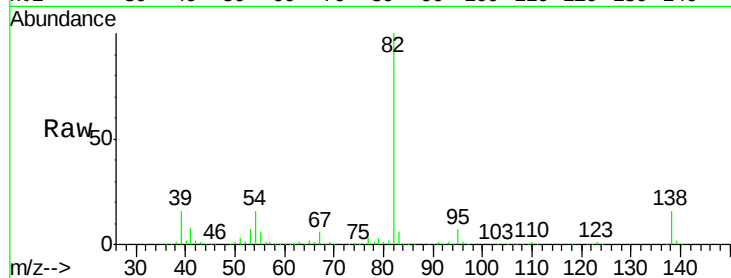
Tot Ion: 82 Resp: 1712435

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

138 15.6 14.6 22.0



#26

2-Nitrophenol

Concen: 54.40 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

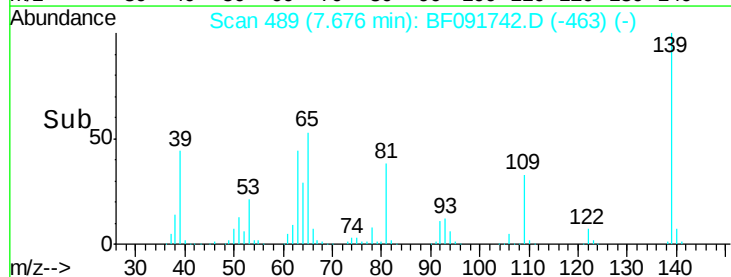
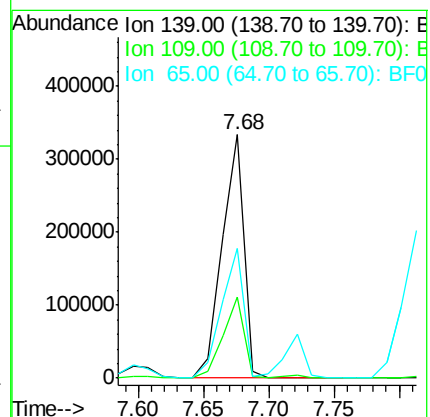
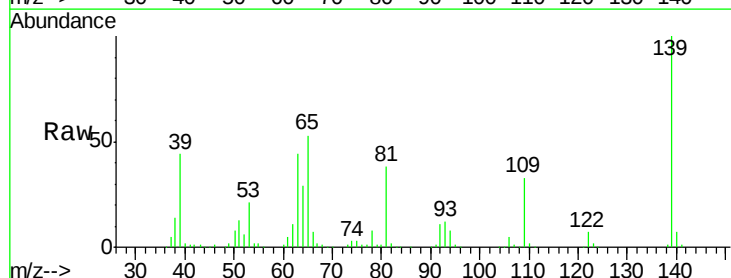
Tgt Ion: 139 Resp: 391153

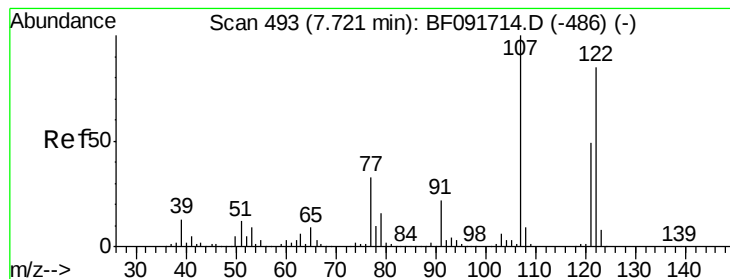
Ion Ratio Lower Upper

139 100

109 33.4 23.3 34.9

65 53.5 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 51.54 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

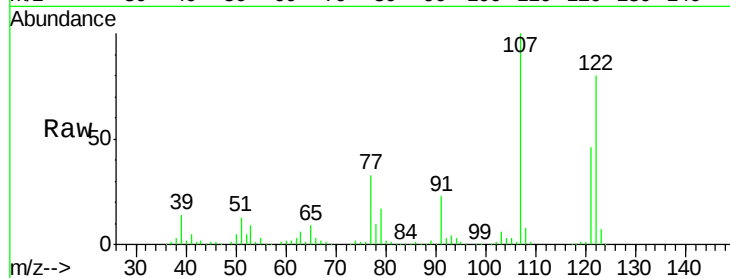
Tot Ion:122 Resp: 604632

Ion Ratio Lower Upper

122 100

107 125.1 94.1 141.1

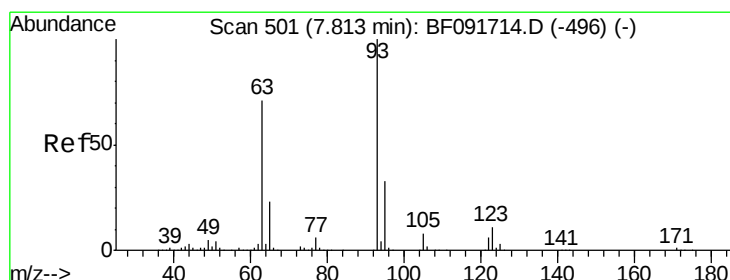
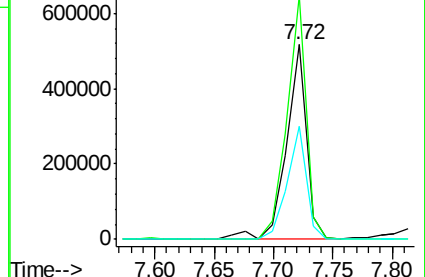
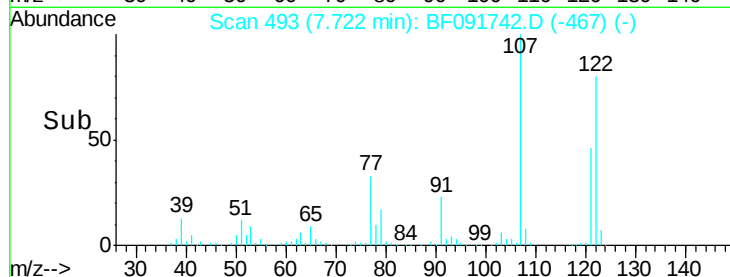
121 57.8 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 67.31 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

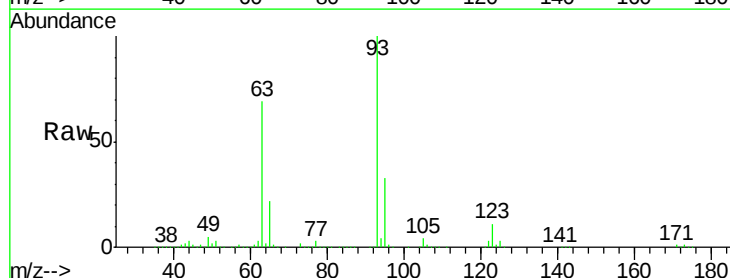
Tgt Ion: 93 Resp: 1043080

Ion Ratio Lower Upper

93 100

95 32.8 26.5 39.7

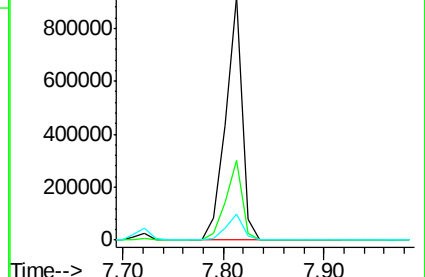
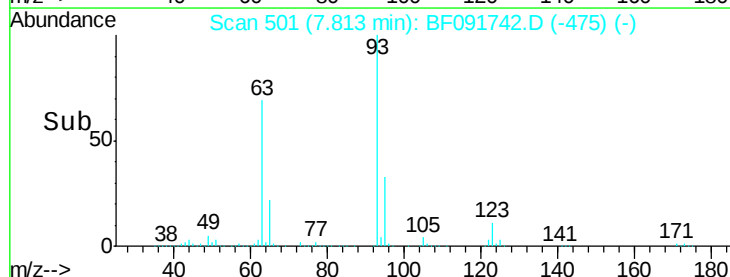
123 10.9 8.6 13.0

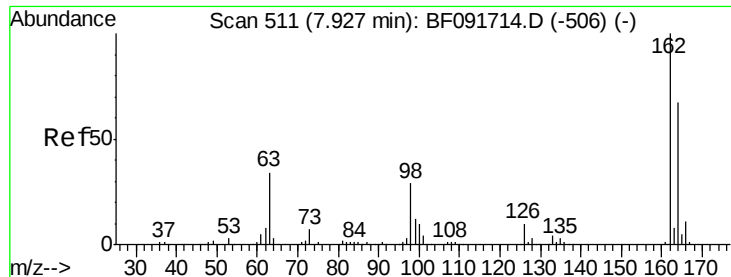


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

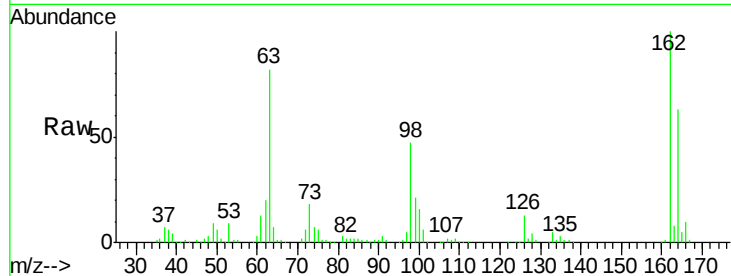




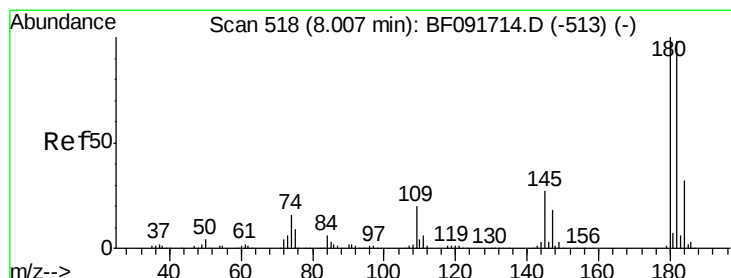
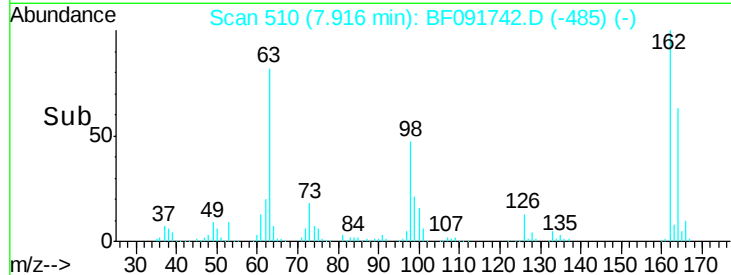
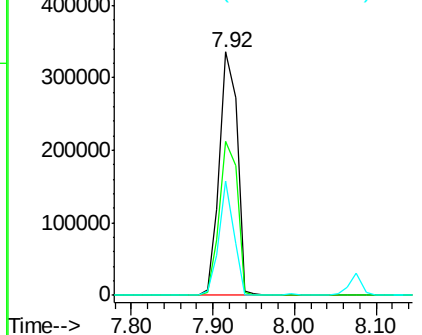
#29
 2,4-Dichlorophenol
 Concen: 47.24 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:162 Resp: 511047
 Ion Ratio Lower Upper
 162 100
 164 63.4 46.8 86.8
 98 46.8 9.1 49.1

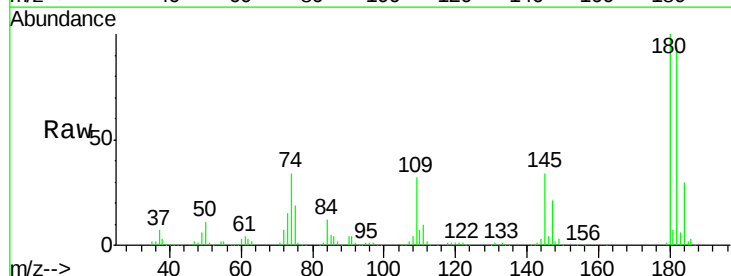


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

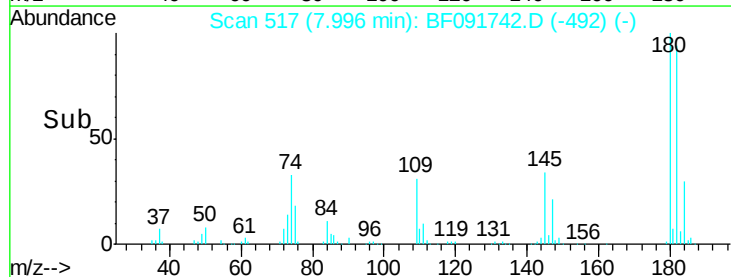
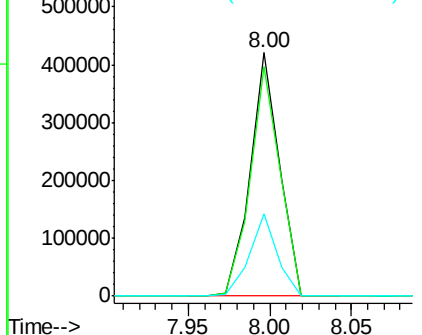


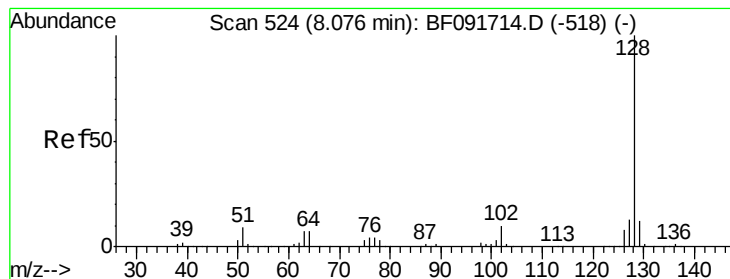
#30
 1,2,4-Trichlorobenzene
 Concen: 44.61 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion:180 Resp: 523063
 Ion Ratio Lower Upper
 180 100
 182 94.2 78.2 117.4
 145 33.8 21.6 32.4#



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 54.35 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

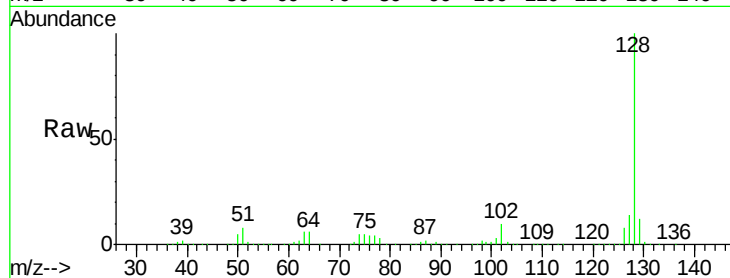
Tot Ion:128 Resp: 2078395

Ion Ratio Lower Upper

128 100

129 11.7 9.5 14.3

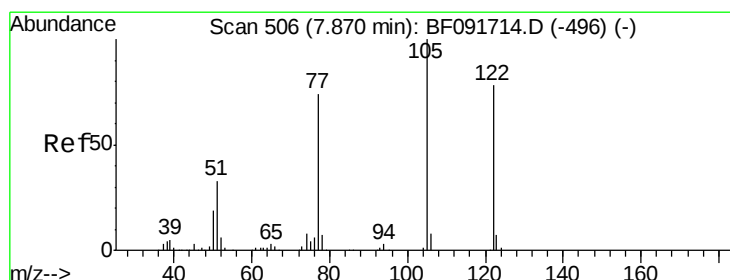
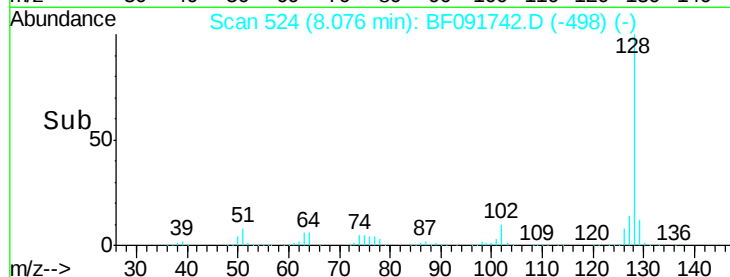
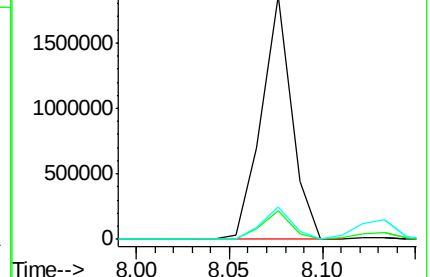
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.62 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.05 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

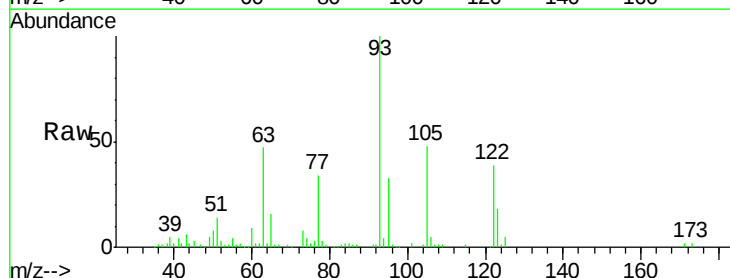
Tgt Ion:122 Resp: 72068

Ion Ratio Lower Upper

122 100

105 122.1 107.2 147.2

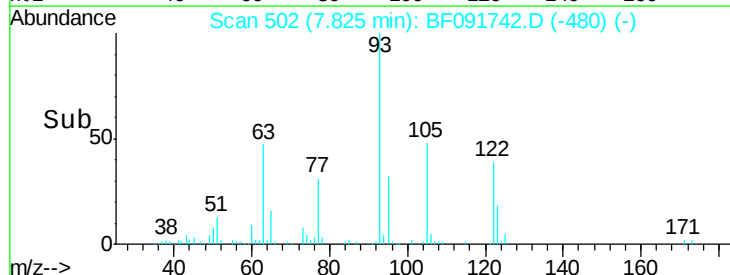
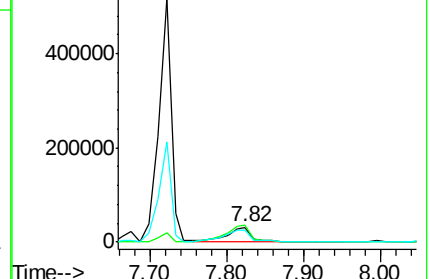
77 85.1 74.5 114.5

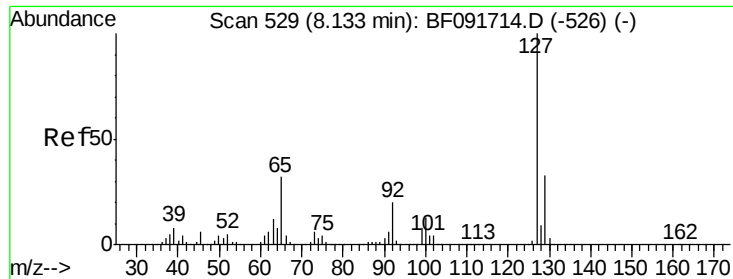


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

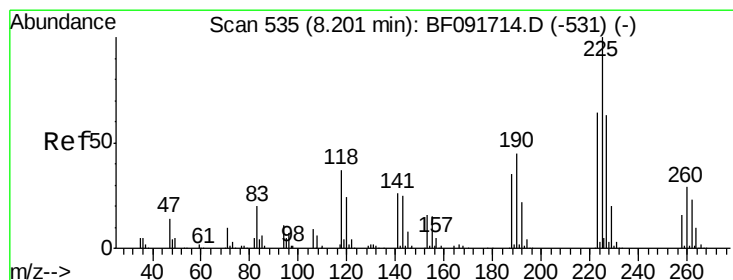
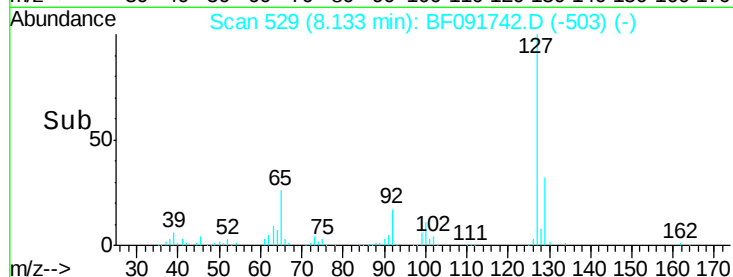
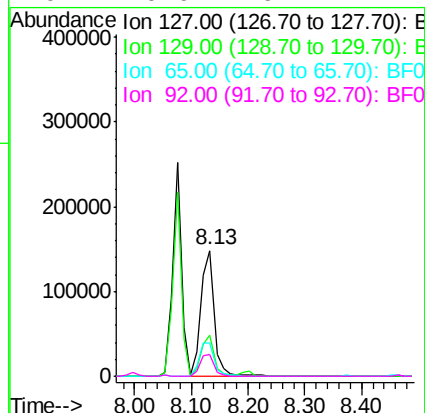
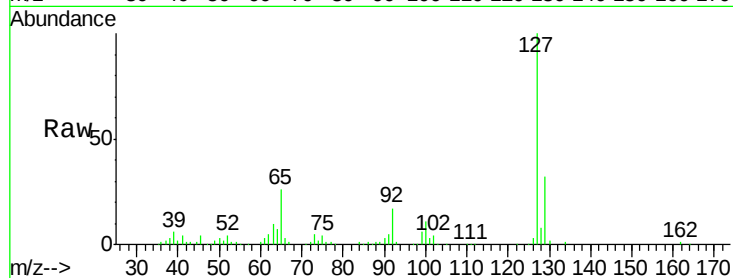




#33
4-Chloroaniline
Concen: 14.81 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

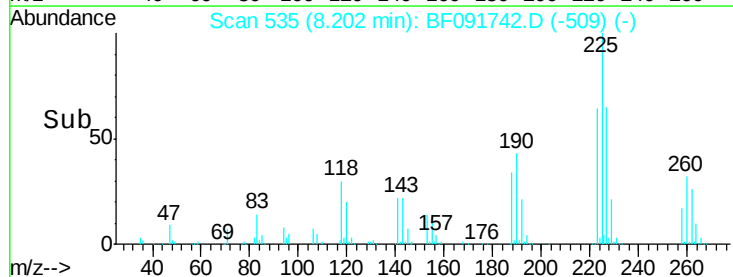
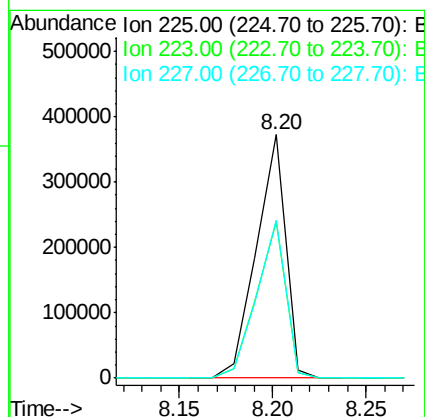
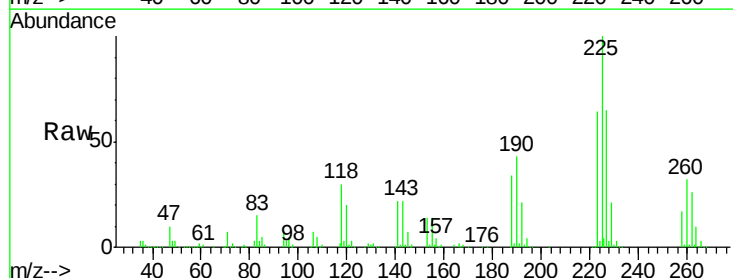
Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

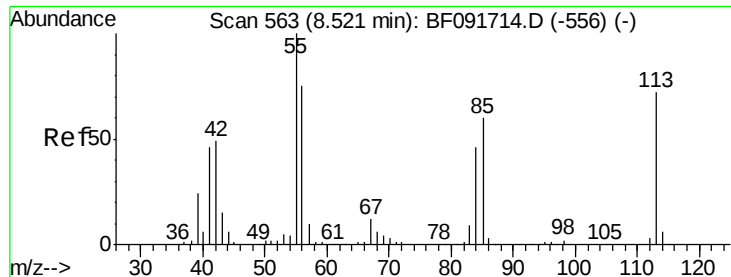
Tot Ion:	127	Resp:	238565
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.3	39.5
65	26.1	25.8	38.8
92	16.9	16.1	24.1



#34
Hexachlorobutadiene
Concen: 61.29 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion:	225	Resp:	404066
Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	64.7	50.6	76.0





#35

Caprolactam

Concen: 59.14 ng/mL

RT: 8.52 min Scan# 563

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

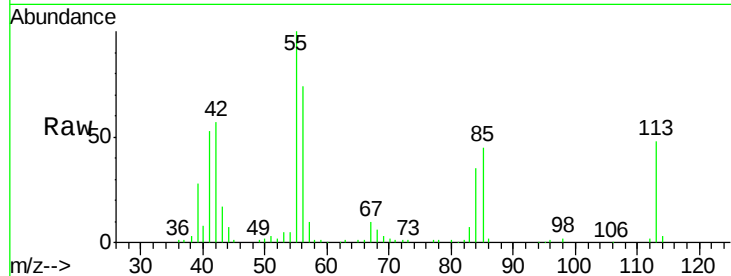
Tot Ion:113 Resp: 205874

Ion Ratio Lower Upper

113 100

55 206.8 119.2 159.2#

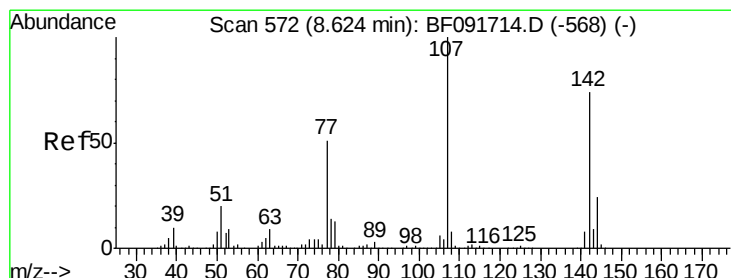
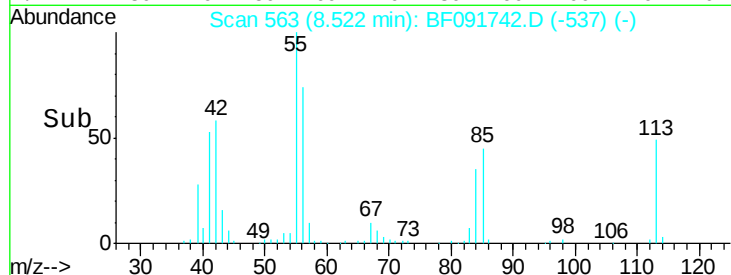
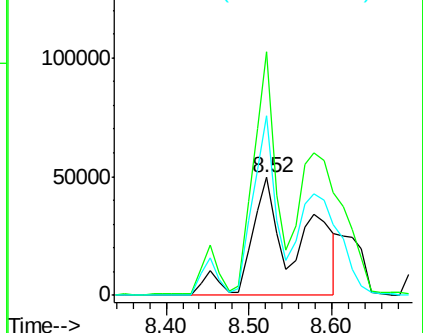
56 152.1 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 93.56 ng/mL

RT: 8.64 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

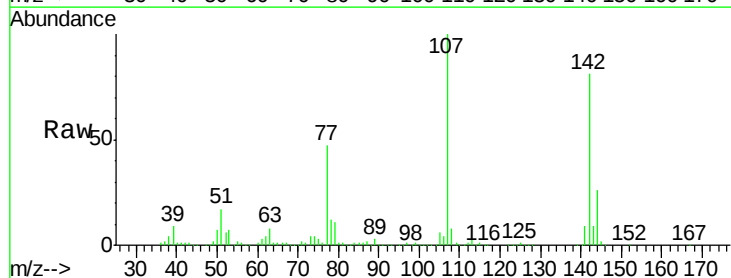
Tgt Ion:107 Resp: 1116643

Ion Ratio Lower Upper

107 100

144 26.0 19.3 28.9

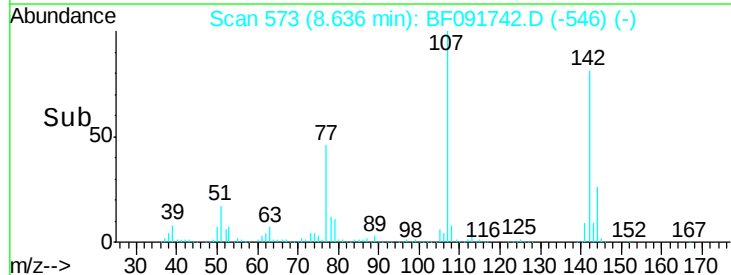
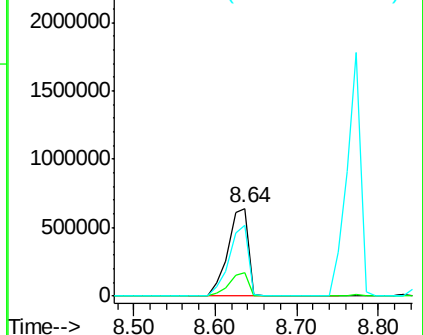
142 80.5 59.0 88.6

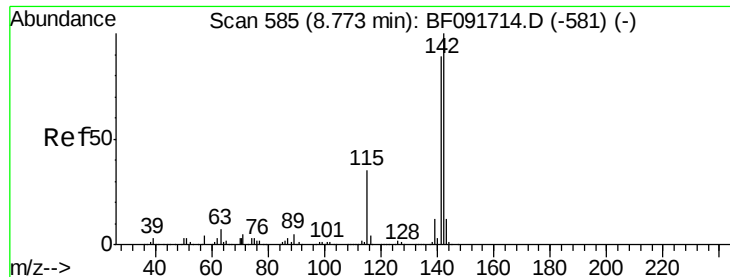


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 86.90 ng

RT: 8.77 min Scan# 585

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

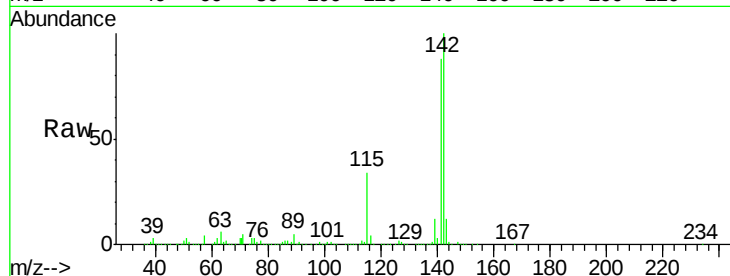
Tot Ion:142 Resp: 2095215

Ion Ratio Lower Upper

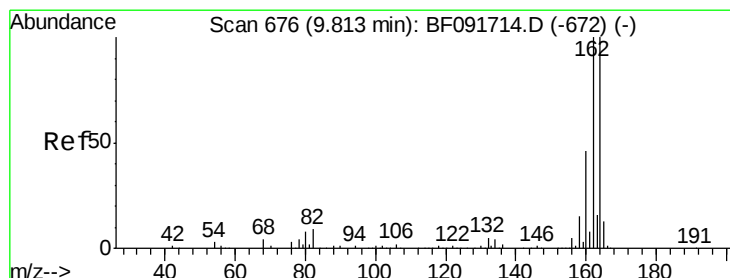
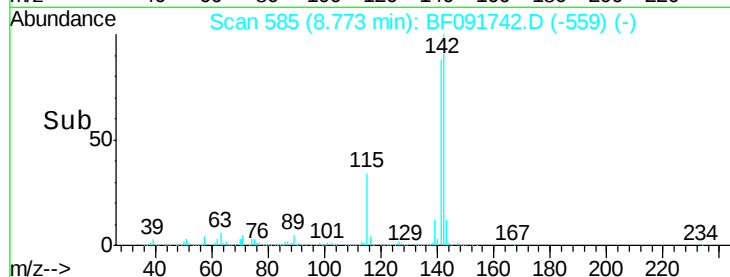
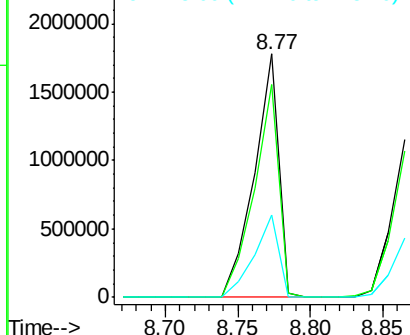
142 100

141 87.5 71.0 106.6

115 33.7 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

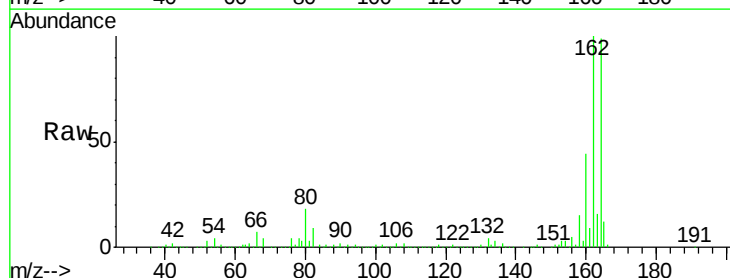
Tgt Ion:164 Resp: 694629

Ion Ratio Lower Upper

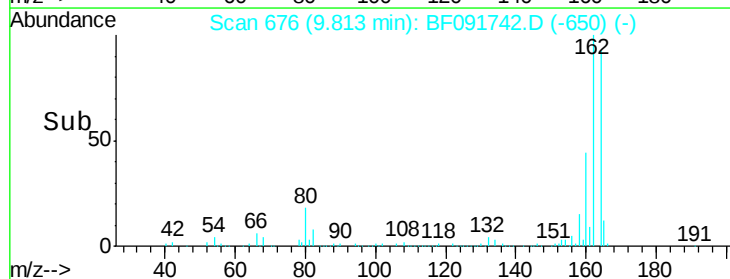
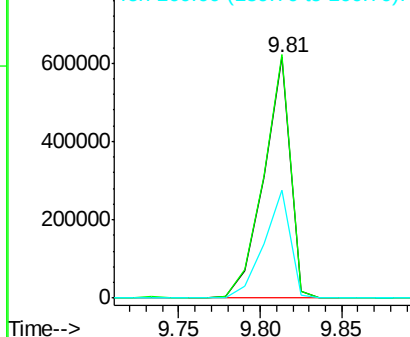
164 100

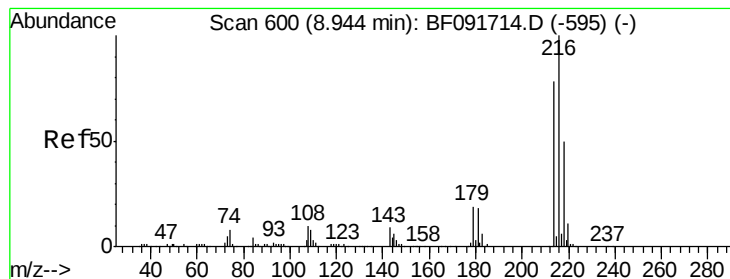
162 101.2 80.2 120.2

160 44.8 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 48.15 ng

RT: 8.93 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:216 Resp: 833632

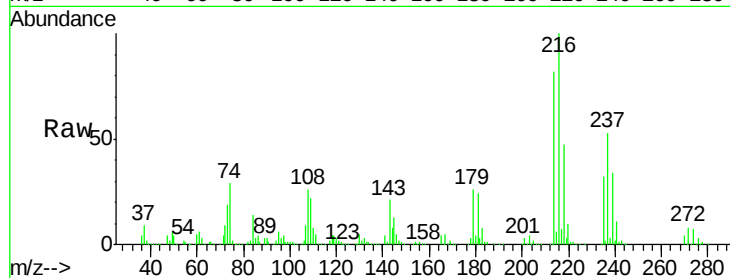
Ion Ratio Lower Upper

216 100

214 79.6 63.4 95.0

179 22.2 17.4 26.2

108 21.3 15.6 23.4

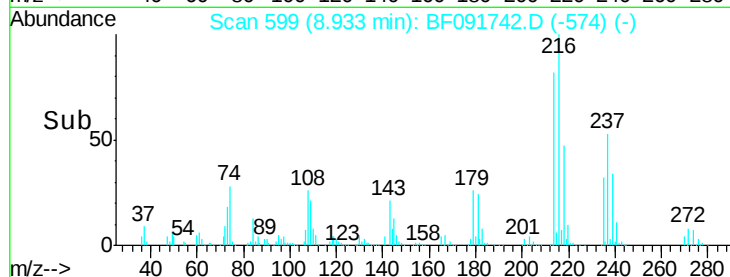


Abundance Ion 216.00 (215.70 to 216.70): E

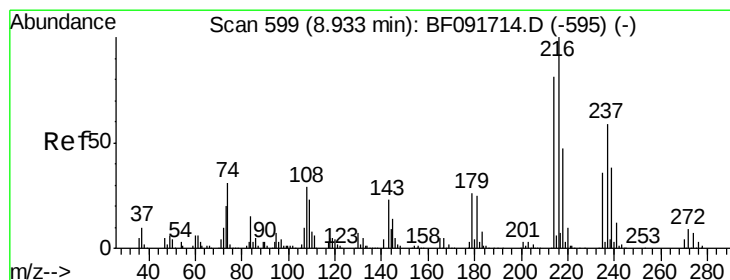
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time--> 8.85 8.90 8.95 9.00



#40

Hexachlorocyclopentadiene

Concen: 86.47 ng

RT: 8.92 min Scan# 598

Delta R.T. -0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

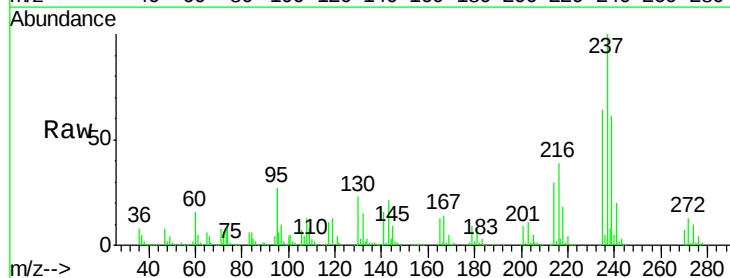
Tgt Ion:237 Resp: 634545

Ion Ratio Lower Upper

237 100

235 63.8 41.2 81.2

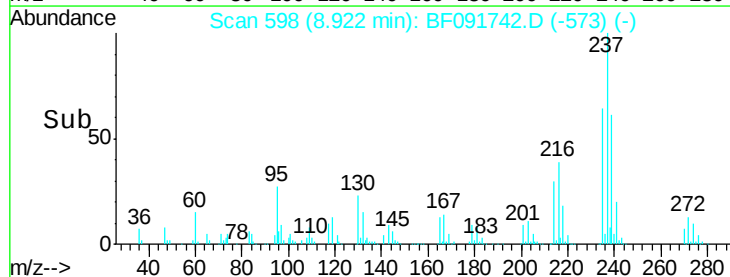
272 12.7 0.0 35.4



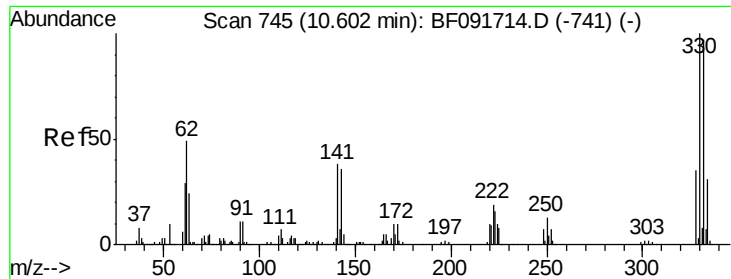
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



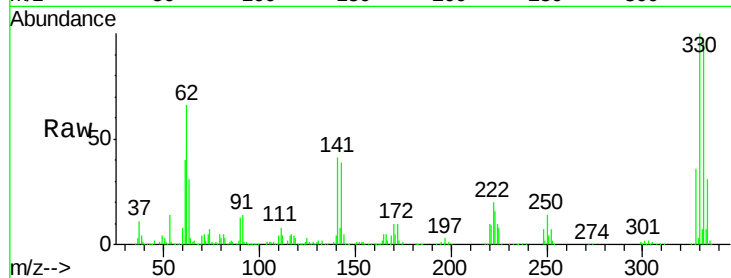
Time--> 8.85 8.90 8.95 9.00



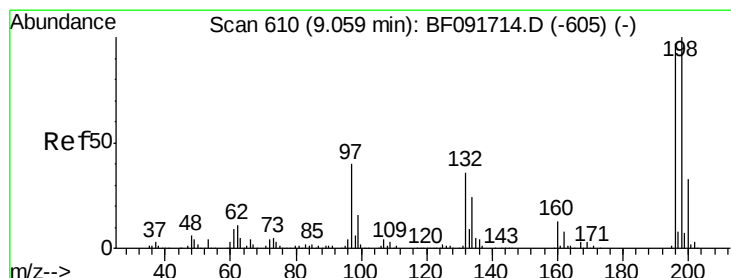
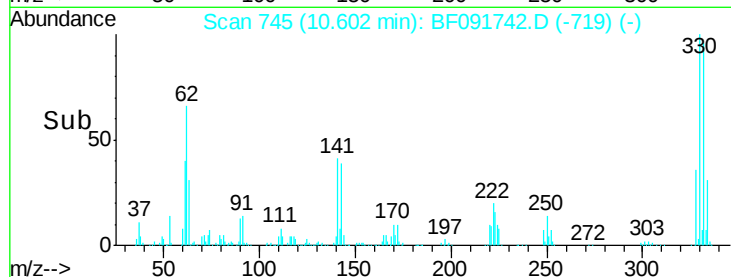
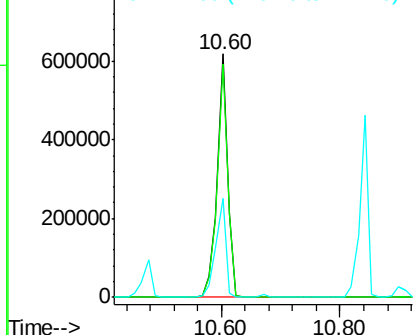
#41
 2,4,6-Tribromophenol
 Concen: 128.94 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:330 Resp: 759452
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 38.4 34.1 51.1

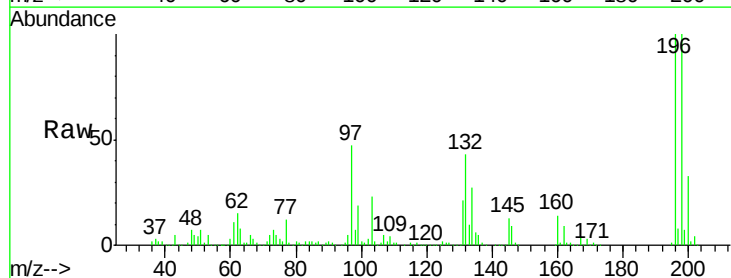


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

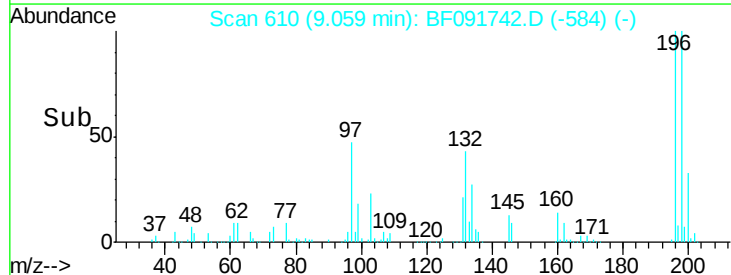
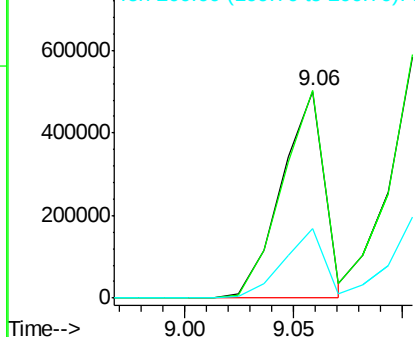


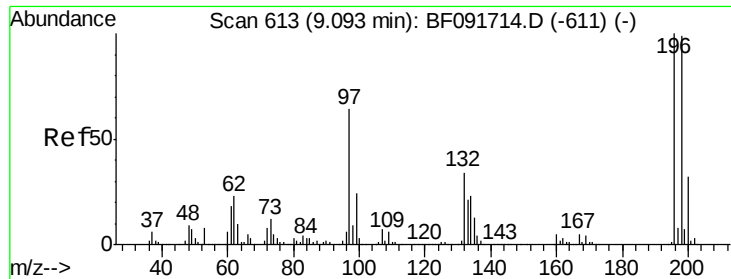
#42
 2,4,6-Trichlorophenol
 Concen: 55.68 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion:196 Resp: 688883
 Ion Ratio Lower Upper
 196 100
 198 100.1 82.1 123.1
 200 33.4 27.0 40.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

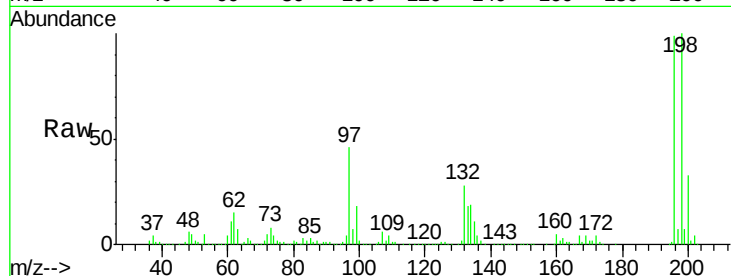




#43
 2,4,5-Trichlorophenol
 Concen: 54.37 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion	Ion	Ratio	Lower	Upper
196	100			
198	100.8	79.4	119.2	
97	46.5	51.5	77.3	
132	28.5	27.4	41.2	



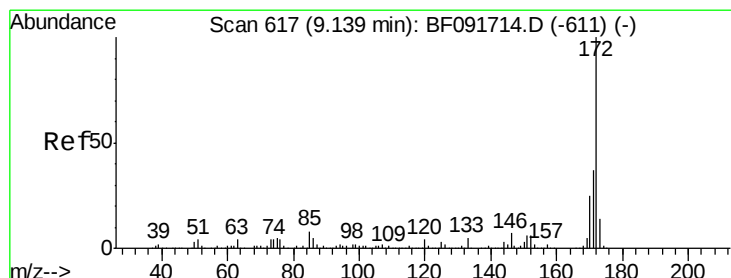
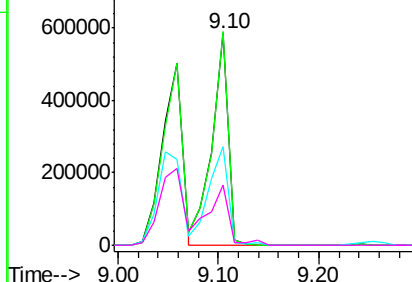
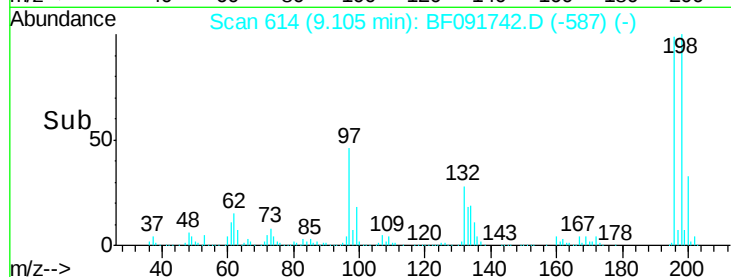
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

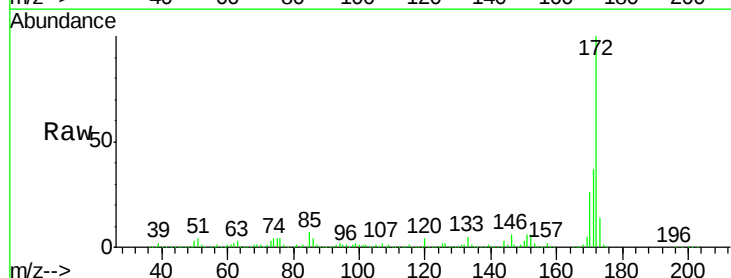
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 97.53 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.2	29.4	44.0	
170	25.6	20.2	30.4	

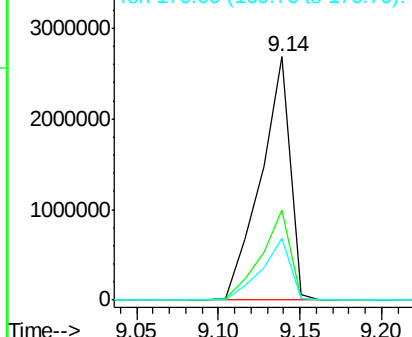
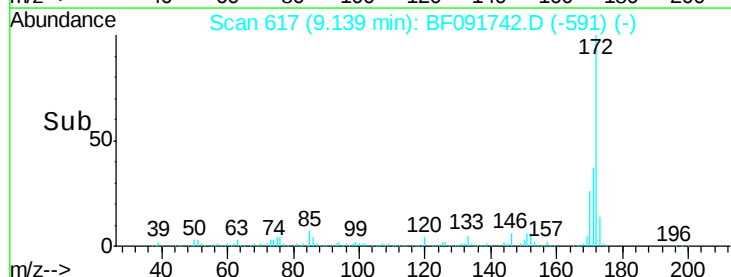


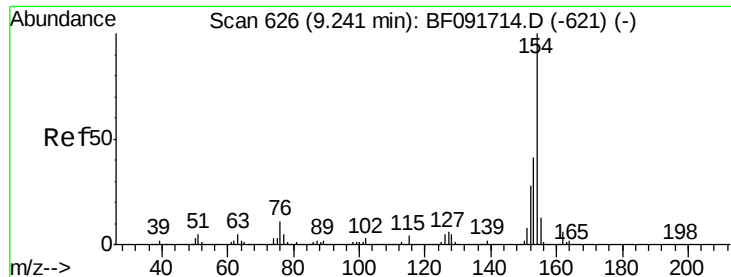
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

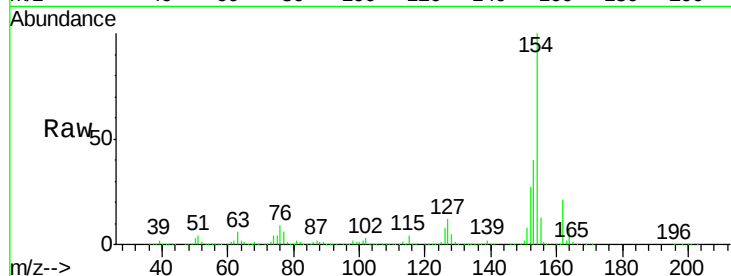




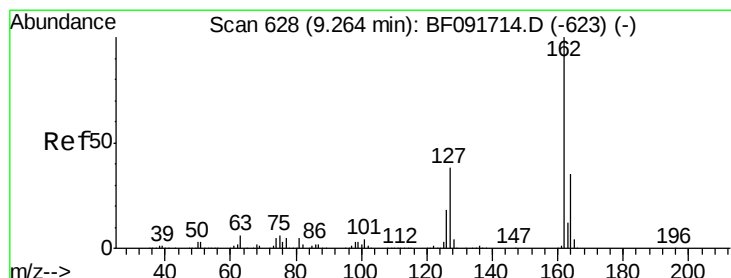
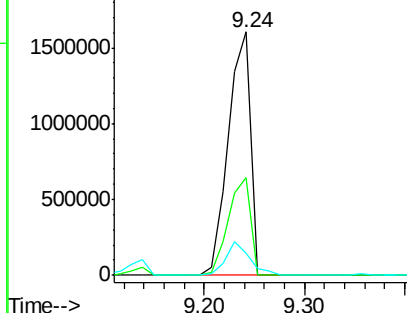
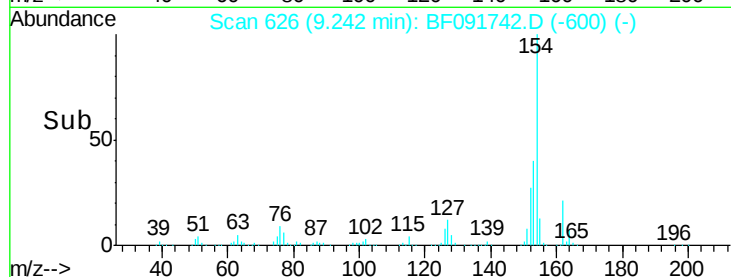
#45
 1,1'-Biphenyl
 Concen: 49.09 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:154 Resp: 2444221
 Ion Ratio Lower Upper
 154 100
 153 40.1 20.9 60.9
 76 9.4 0.0 30.5

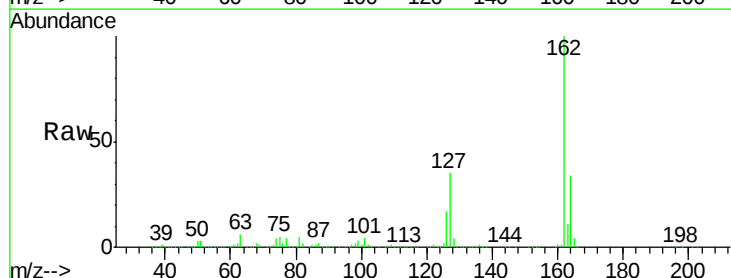


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

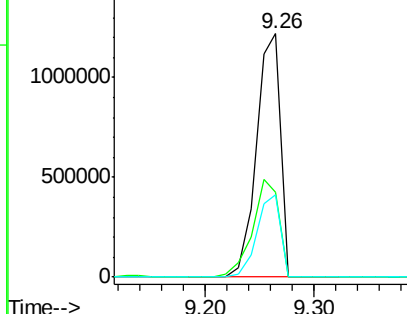
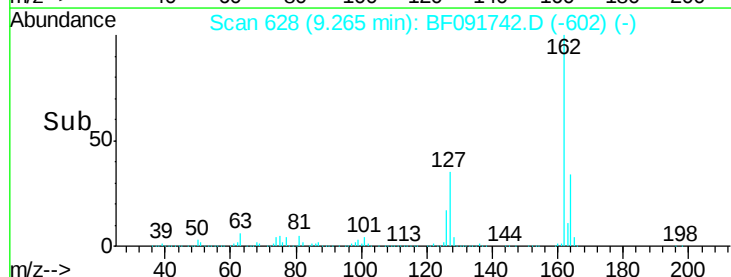


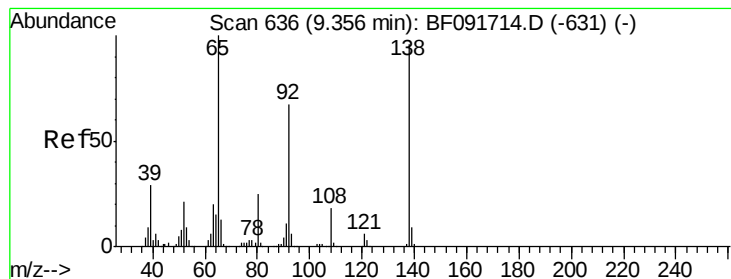
#46
 2-Chloronaphthalene
 Concen: 50.46 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion:162 Resp: 1877505
 Ion Ratio Lower Upper
 162 100
 127 35.0 30.7 46.1
 164 33.6 27.6 41.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 50.98 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

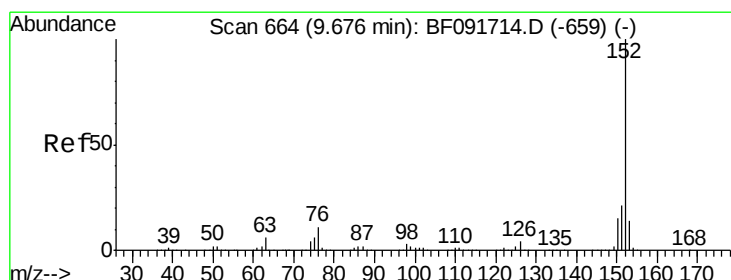
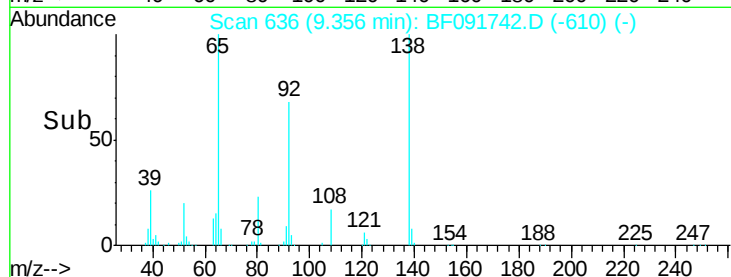
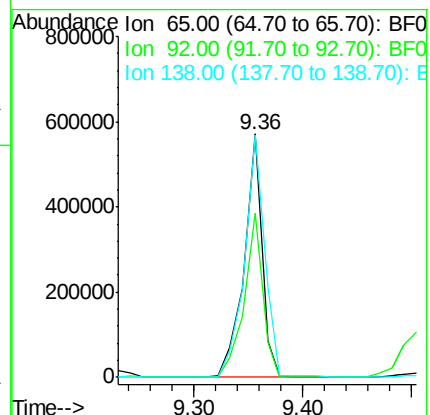
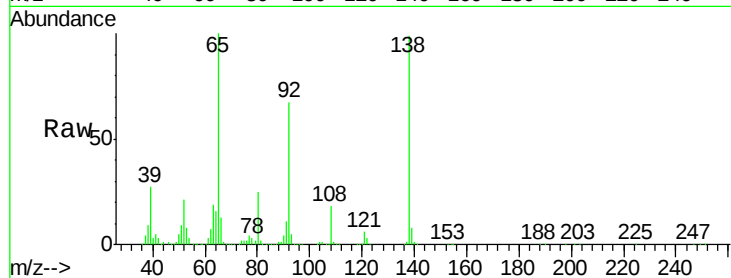
Tot Ion: 65 Resp: 647598

Ion Ratio Lower Upper

65 100

92 67.4 53.9 80.9

138 99.4 76.8 115.2



#48

Acenaphthylene

Concen: 48.61 ng

RT: 9.68 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

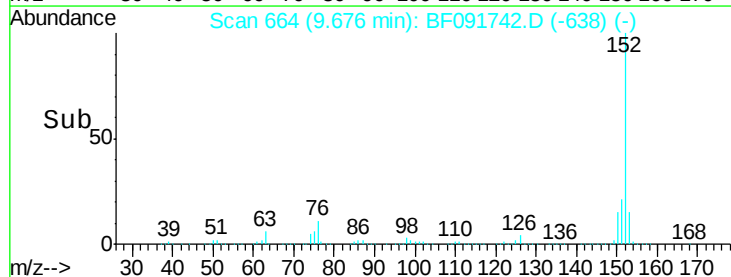
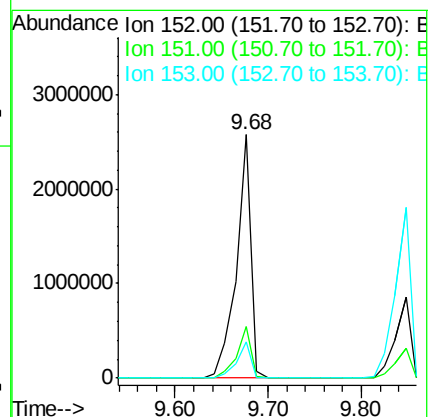
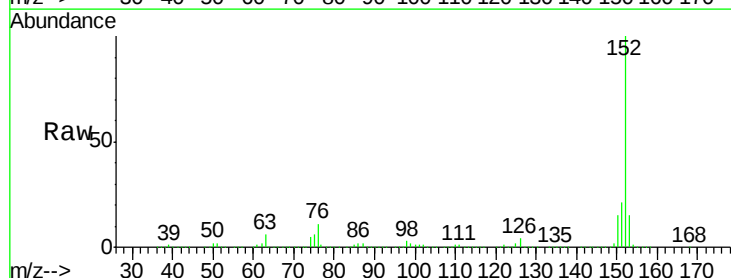
Tgt Ion: 152 Resp: 2802129

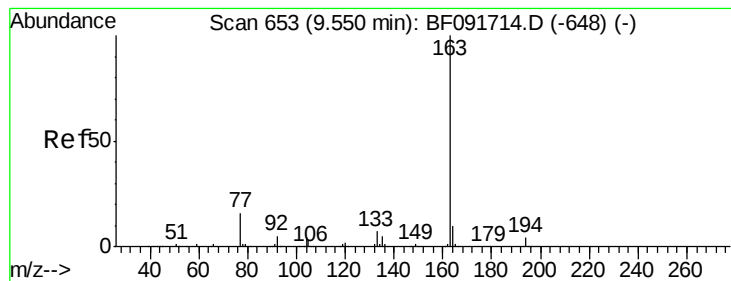
Ion Ratio Lower Upper

152 100

151 21.3 16.9 25.3

153 14.7 11.4 17.2





#49

Dimethylphthalate

Concen: 68.89 ng

RT: 9.55 min Scan# 653

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

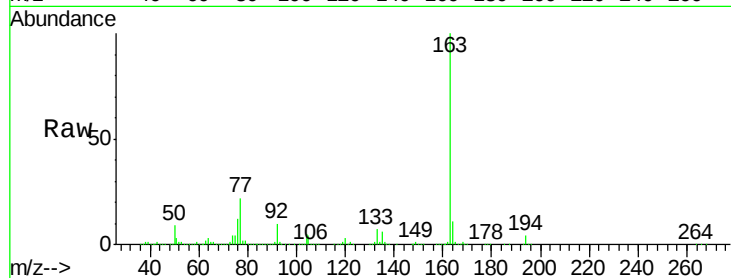
Tot Ion:163 Resp: 3125675

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

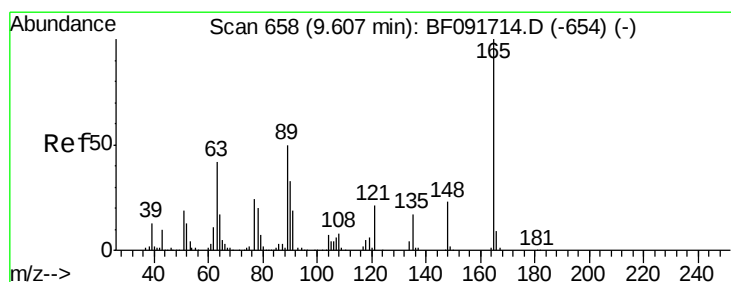
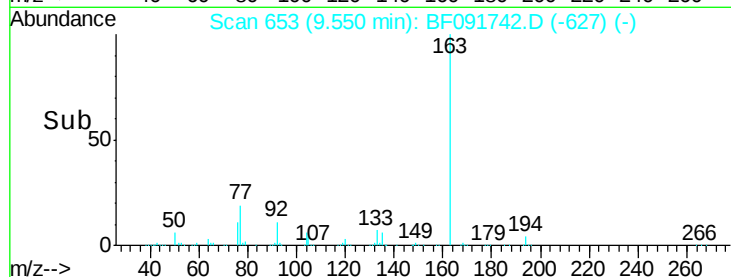
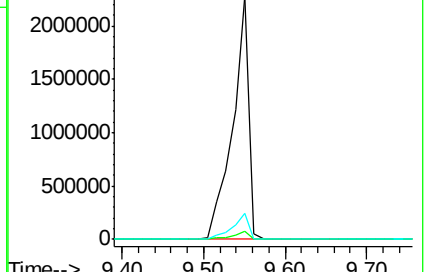
164 10.6 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 56.82 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

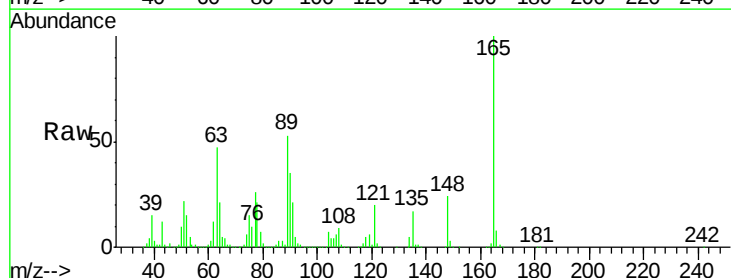
Tgt Ion:165 Resp: 565231

Ion Ratio Lower Upper

165 100

63 47.2 36.2 54.4

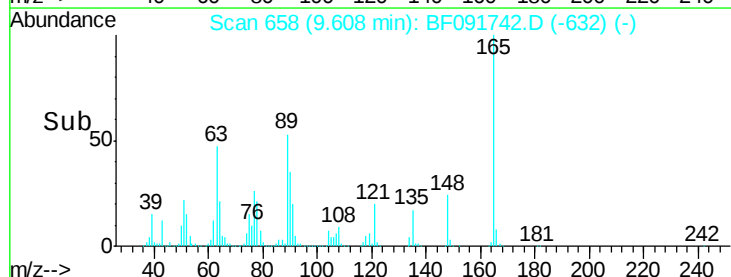
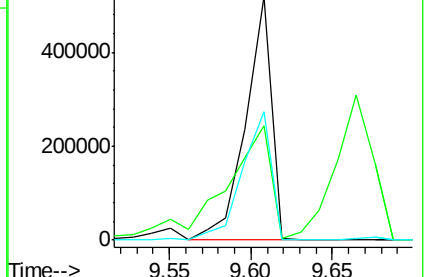
89 52.9 40.2 60.4

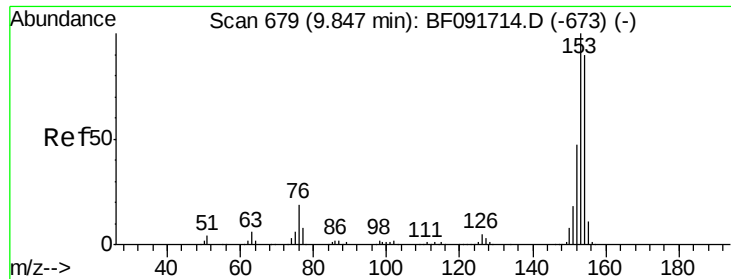


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 49.97 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

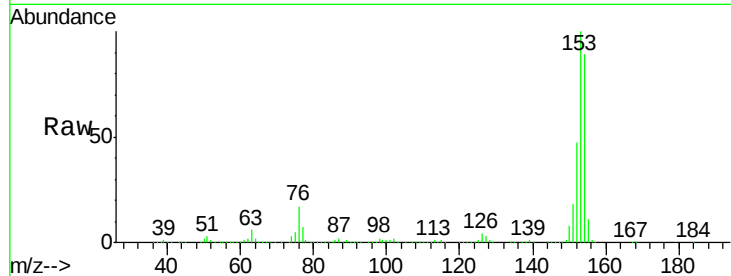
Tot Ion:154 Resp: 1977315

Ion Ratio Lower Upper

154 100

153 111.8 88.6 133.0

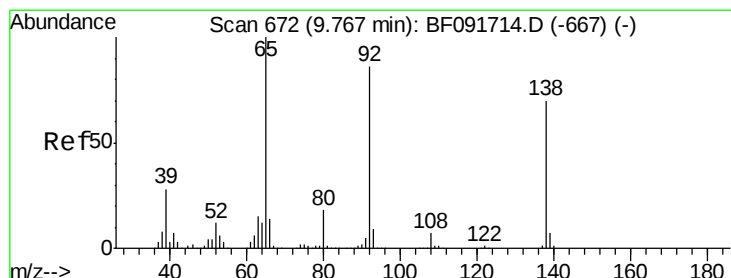
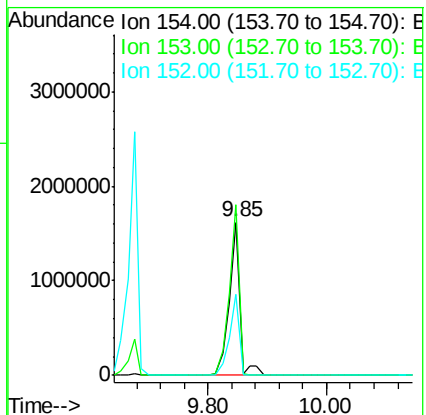
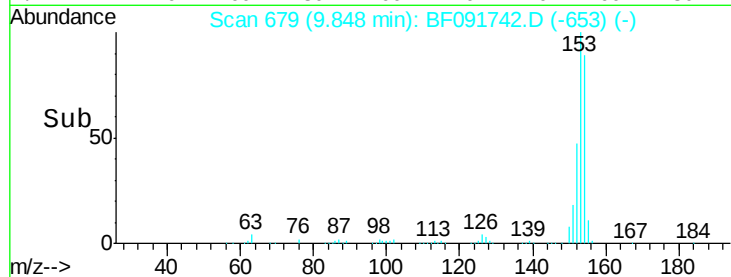
152 52.7 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.63 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

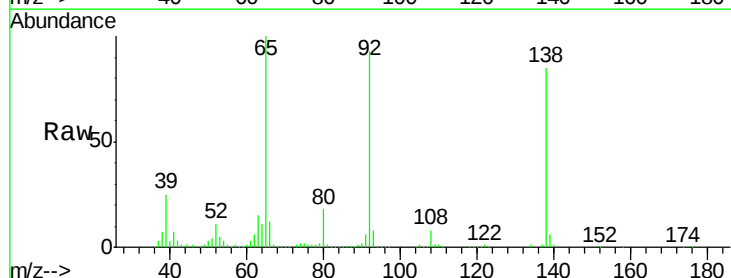
Tgt Ion:138 Resp: 230779

Ion Ratio Lower Upper

138 100

108 9.5 8.5 12.7

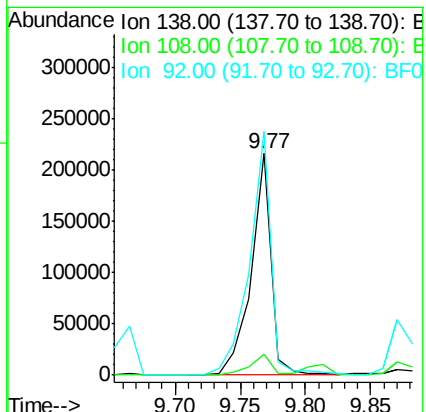
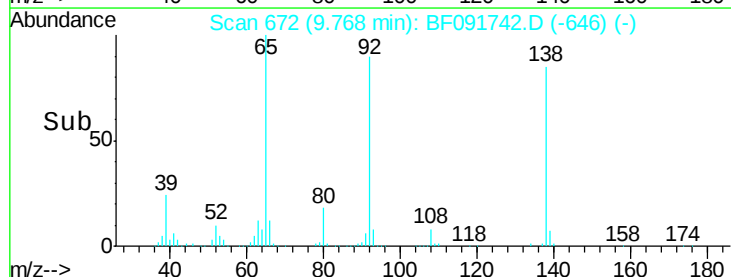
92 110.0 97.8 146.8

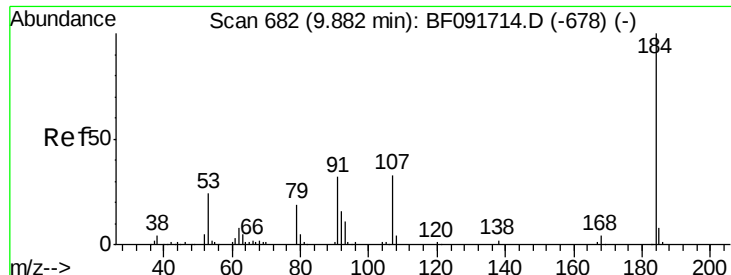


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

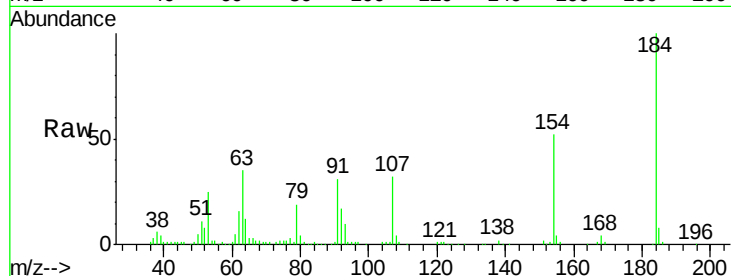




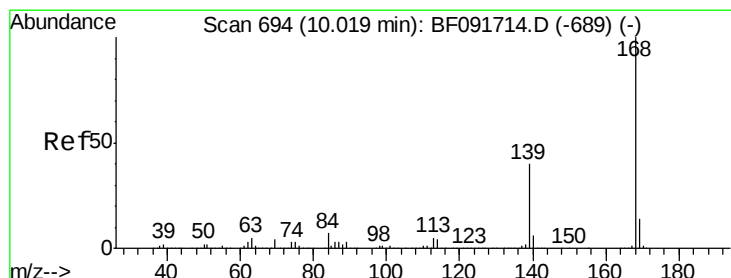
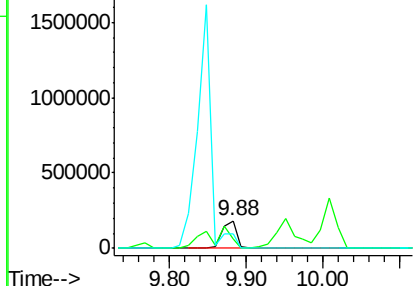
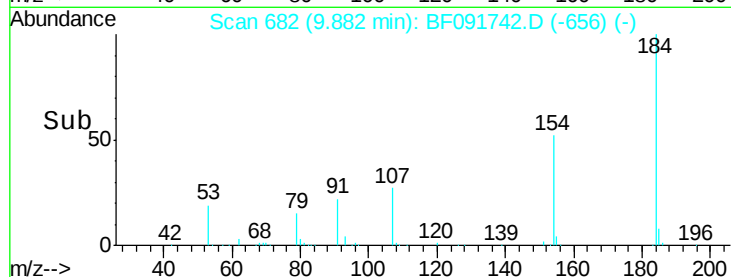
#53
2,4-Dinitrophenol
Concen: 48.65 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:184 Resp: 261485
Ion Ratio Lower Upper
184 100
63 35.3 28.4 42.6
154 52.4 44.3 66.5

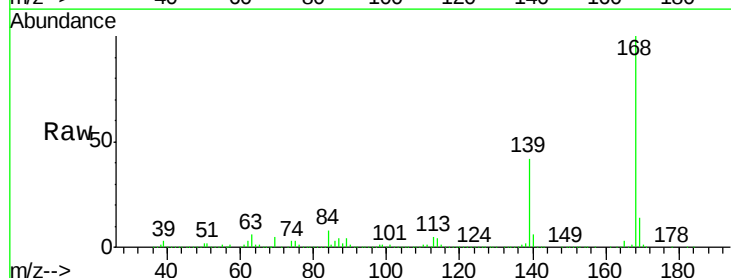


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

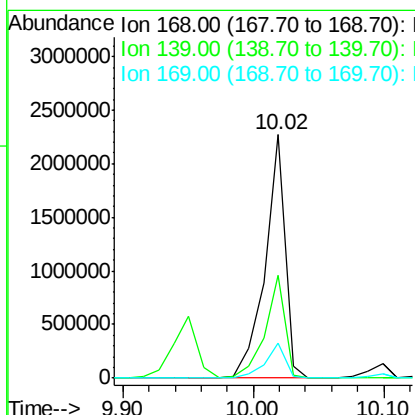
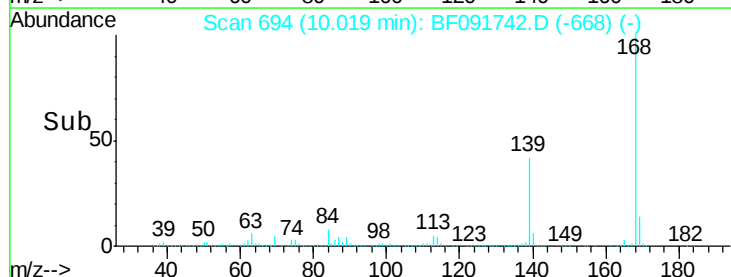


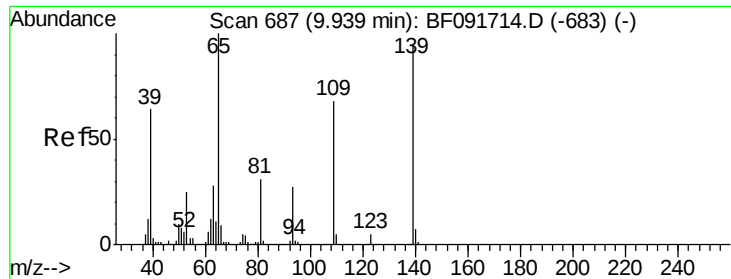
#54
Dibenzofuran
Concen: 52.05 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion:168 Resp: 2448944
Ion Ratio Lower Upper
168 100
139 42.1 32.6 49.0
169 14.2 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

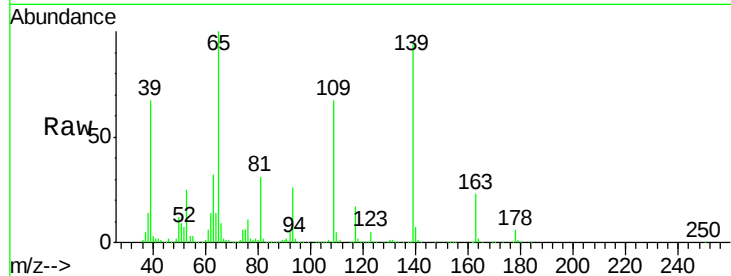




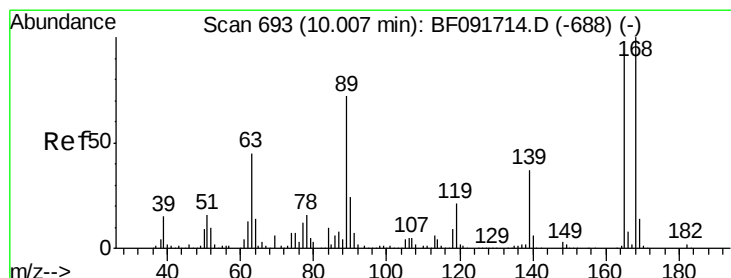
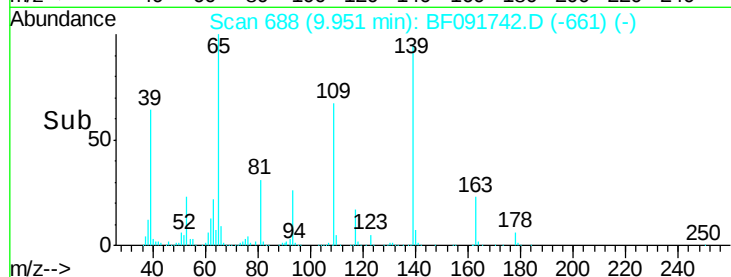
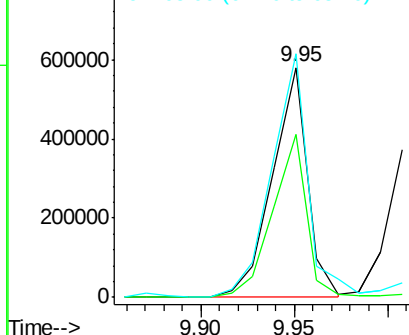
#55
4-Nitrophenol
Concen: 88.32 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.01 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:139 Resp: 759680
Ion Ratio Lower Upper
139 100
109 71.0 52.2 92.2
65 105.9 85.8 125.8

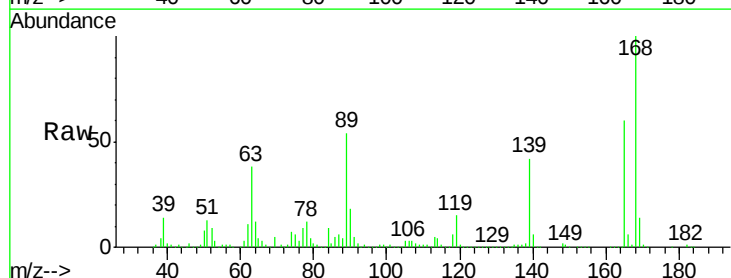


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

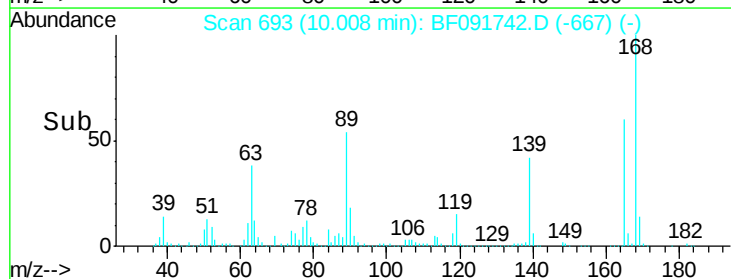
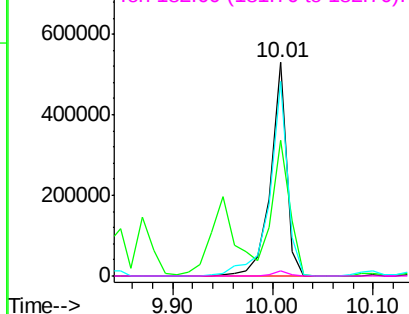


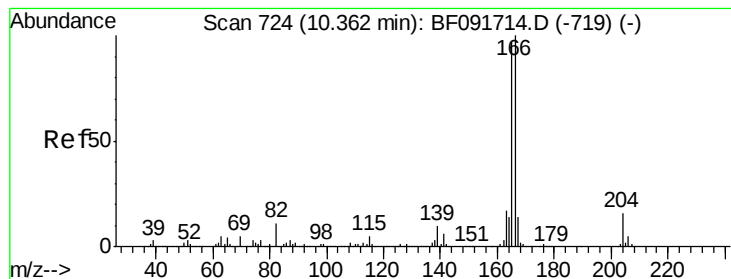
#56
2,4-Dinitrotoluene
Concen: 47.10 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion:165 Resp: 585356
Ion Ratio Lower Upper
165 100
63 63.4 40.2 60.4#
89 91.2 62.5 93.7
182 2.1 1.8 2.8



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 53.06 ng

RT: 10.36 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

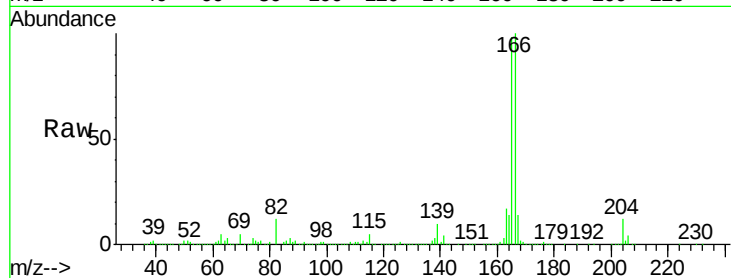
Tot Ion:166 Resp: 1938955

Ion Ratio Lower Upper

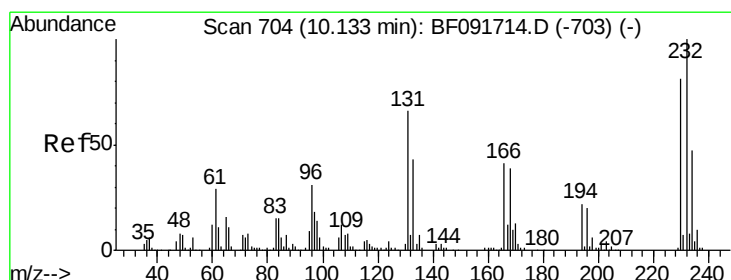
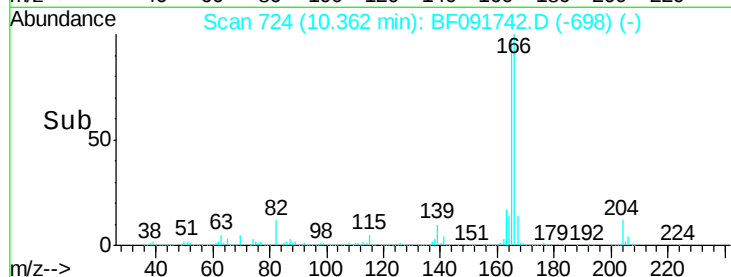
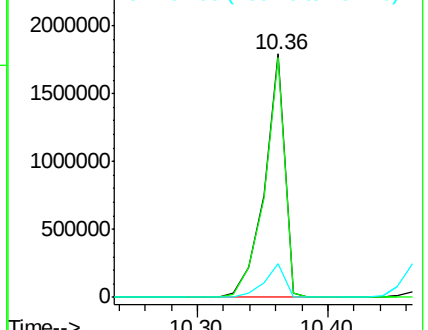
166 100

165 98.4 77.8 116.8

167 13.8 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.67 ng

RT: 10.14 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Tgt Ion:232 Resp: 519190

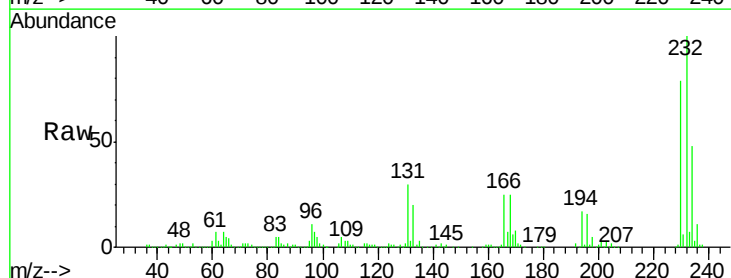
Ion Ratio Lower Upper

232 100

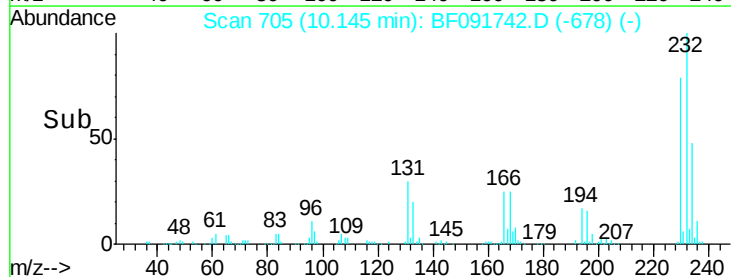
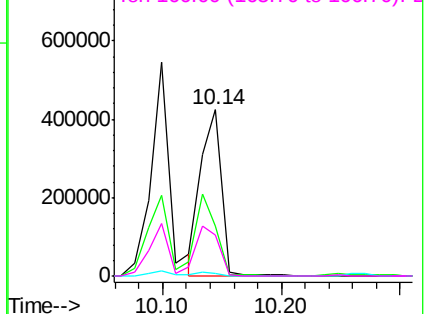
131 50.4 40.1 60.1

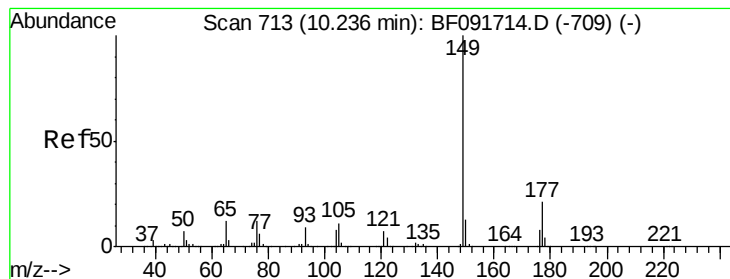
130 2.5 1.8 2.8

166 34.0 26.6 39.8



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 51.84 ng

RT: 10.25 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

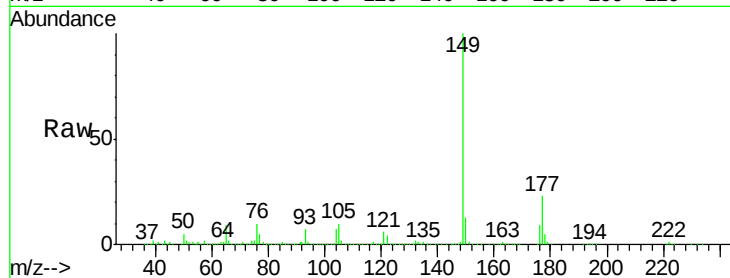
Tot Ion:149 Resp: 2312072

Ion Ratio Lower Upper

149 100

177 23.2 16.6 25.0

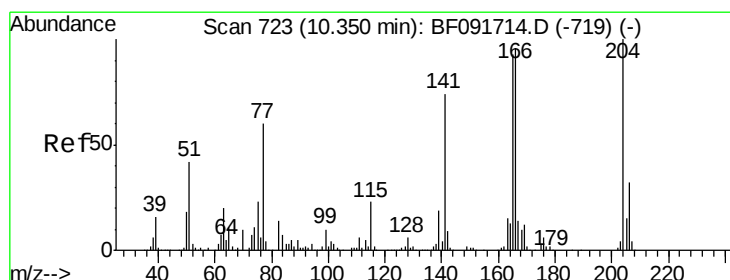
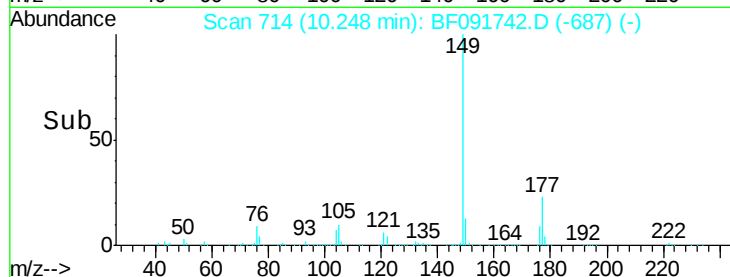
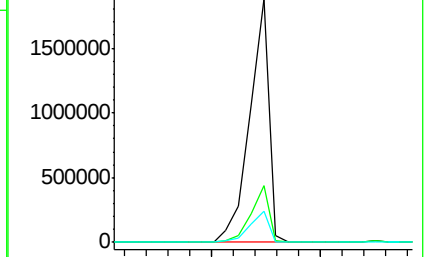
150 12.9 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.16 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

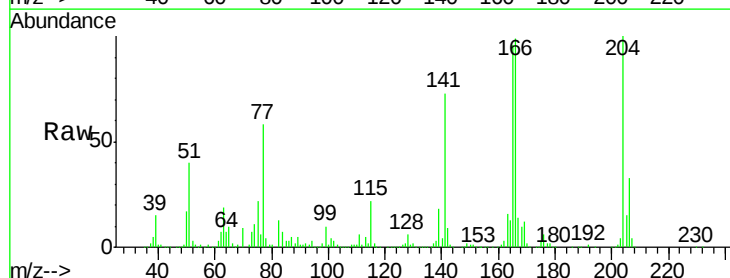
Tgt Ion:204 Resp: 768420

Ion Ratio Lower Upper

204 100

206 33.4 25.8 38.6

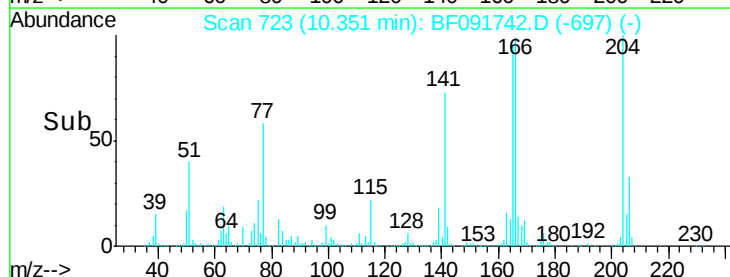
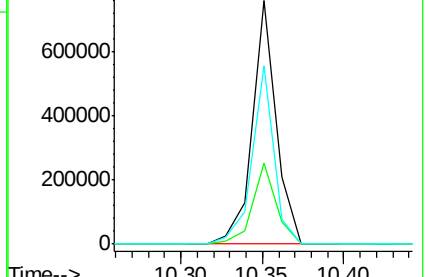
141 73.1 59.4 89.0

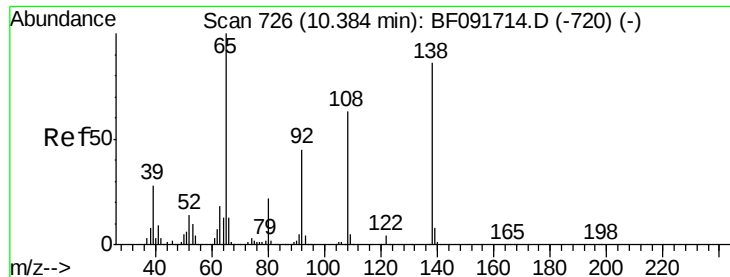


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 44.61 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

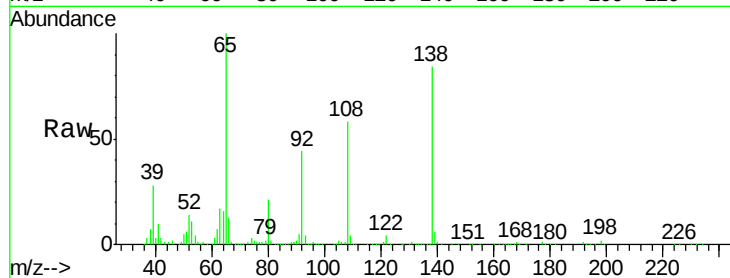
Tot Ion:138 Resp: 523518

Ion Ratio Lower Upper

138 100

92 52.0 31.7 71.7

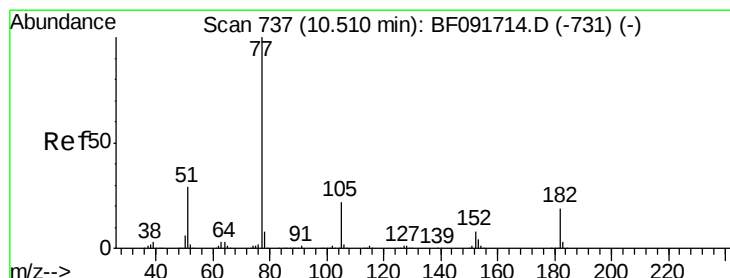
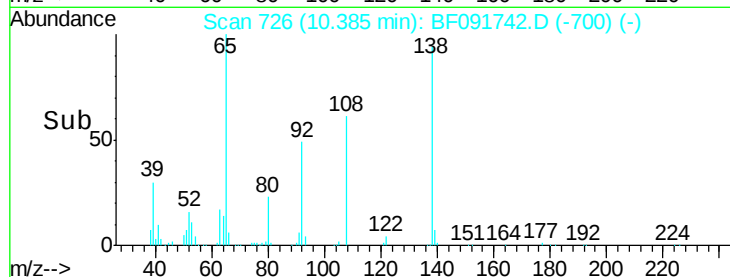
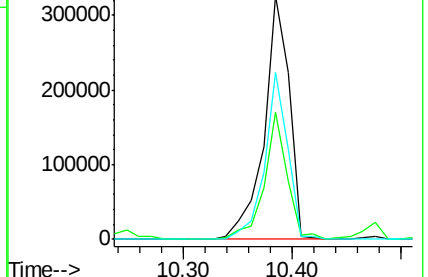
108 68.7 52.6 92.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 51.70 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Tgt Ion: 77 Resp: 2453558

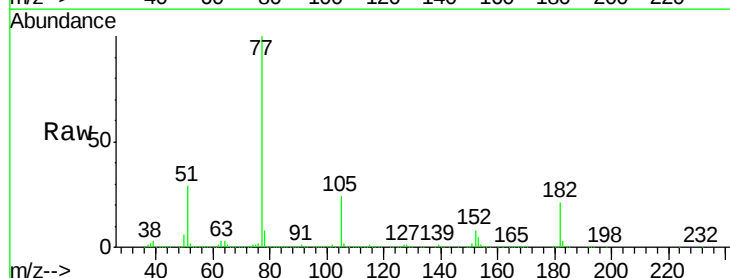
Ion Ratio Lower Upper

77 100

182 20.5 0.0 39.3

105 23.5 2.3 42.3

51 28.8 8.9 48.9

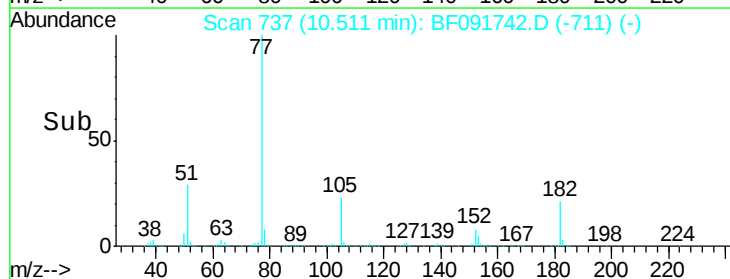
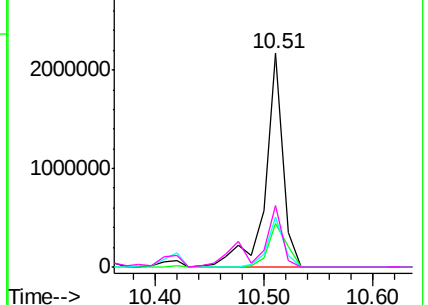


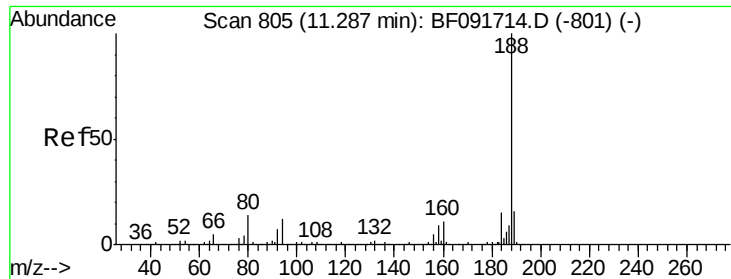
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

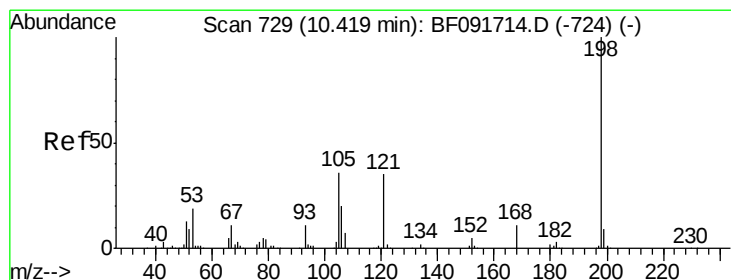
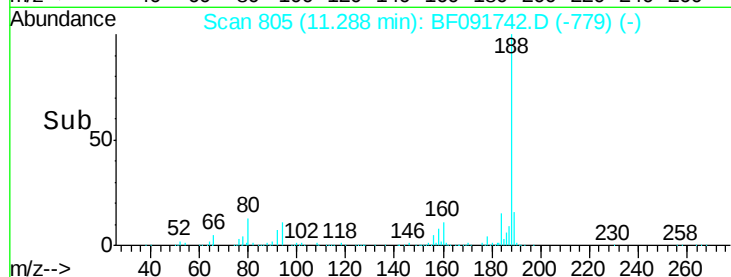
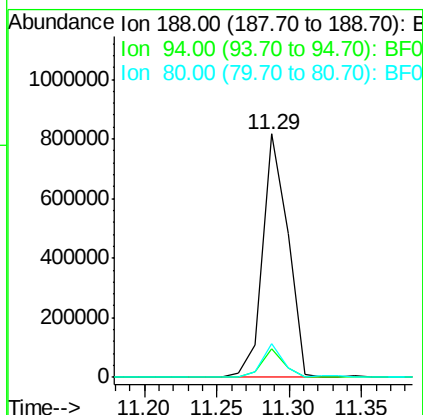
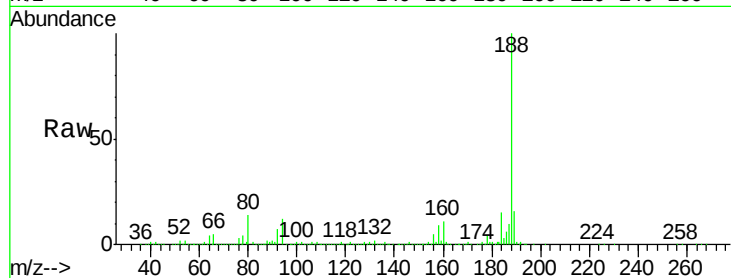




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

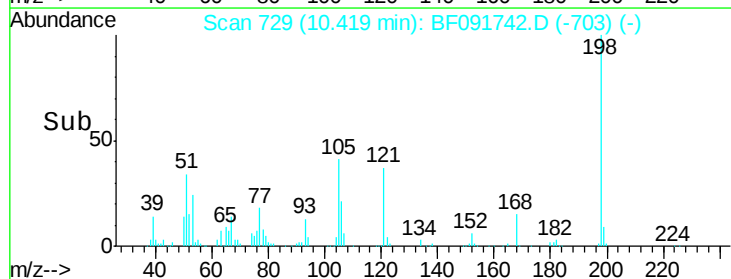
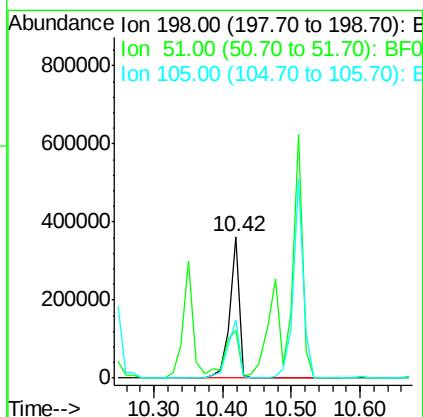
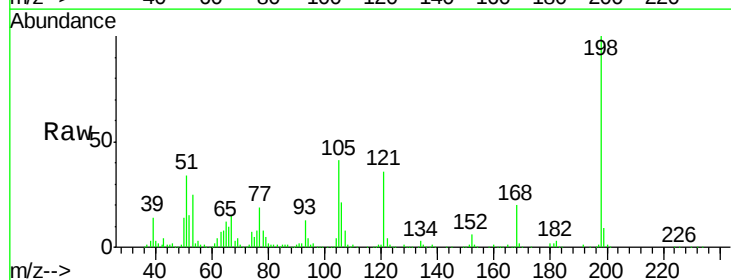
Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

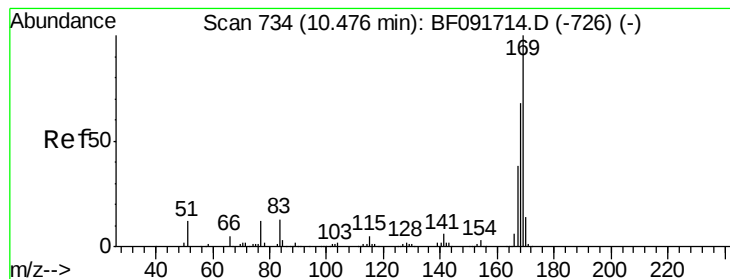
Tot Ion:188 Resp: 984877
Ion Ratio Lower Upper
188 100
94 11.9 10.0 15.0
80 13.7 11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 55.73 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion:198 Resp: 361986
Ion Ratio Lower Upper
198 100
51 33.6 6.7 46.7
105 40.7 16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 60.54 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

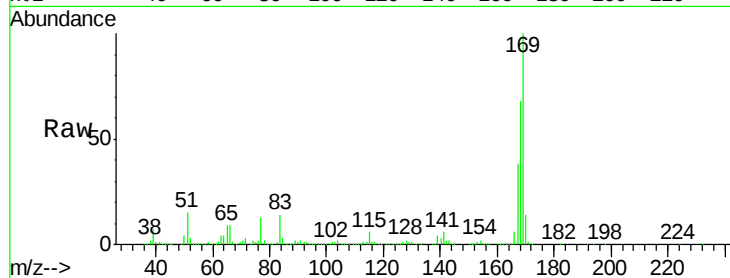
Tot Ion:169 Resp: 1851524

Ion Ratio Lower Upper

169 100

168 67.8 54.2 81.2

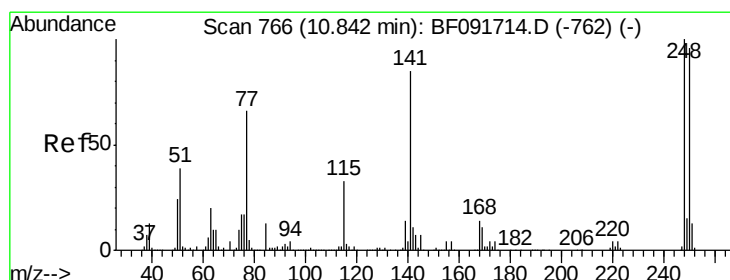
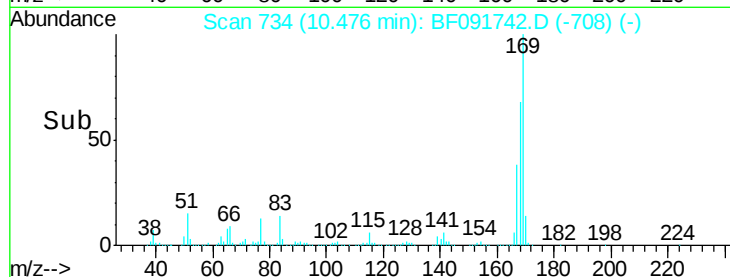
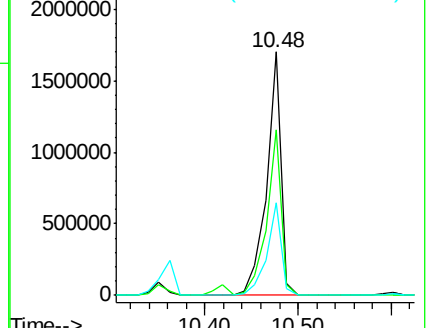
167 38.0 30.2 45.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 50.46 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

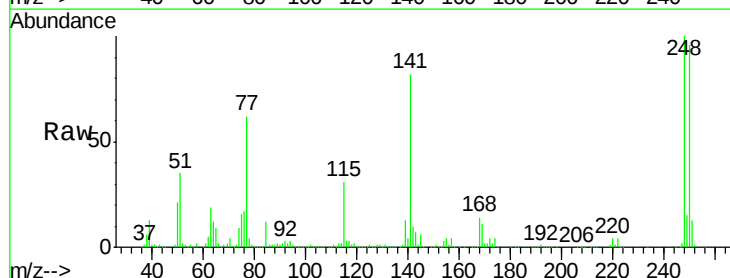
Tgt Ion:248 Resp: 521106

Ion Ratio Lower Upper

248 100

250 96.0 76.9 115.3

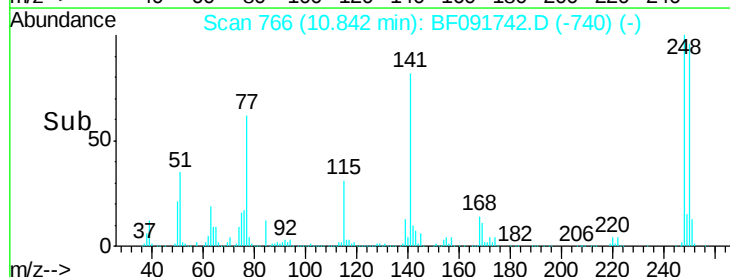
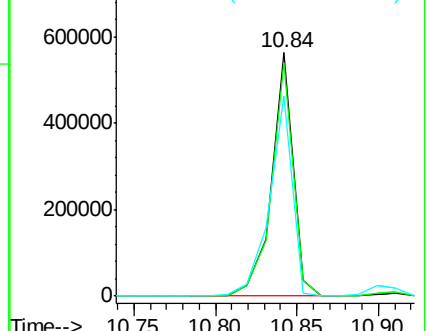
141 82.2 68.2 102.4

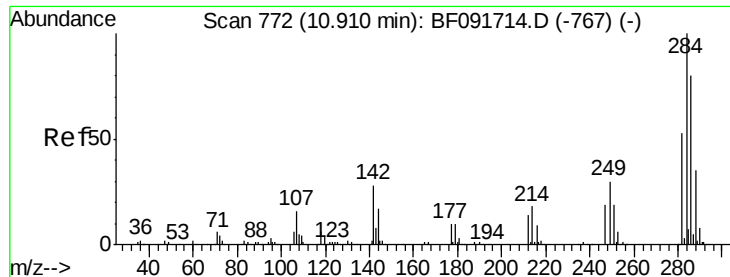


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

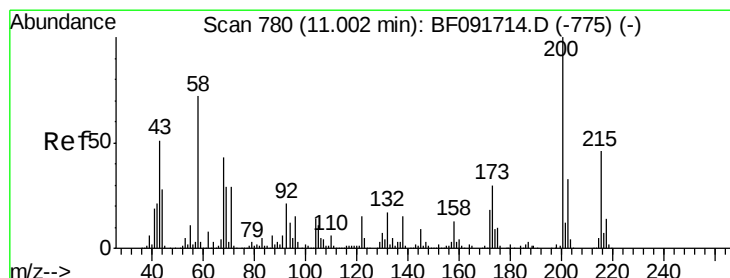
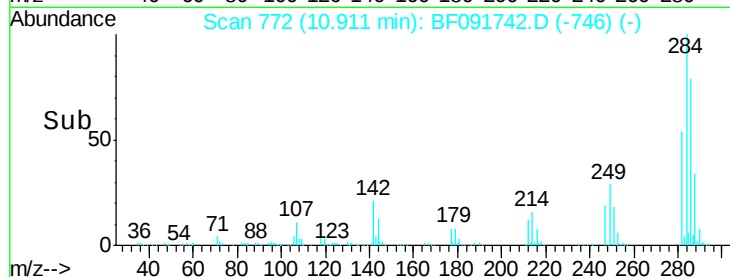
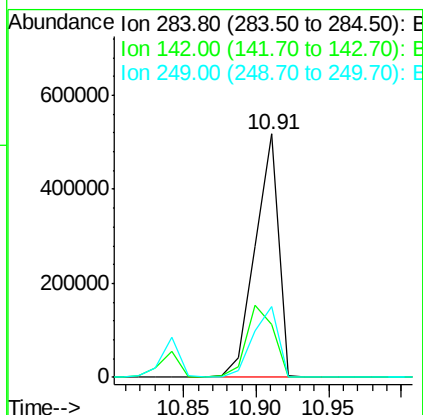
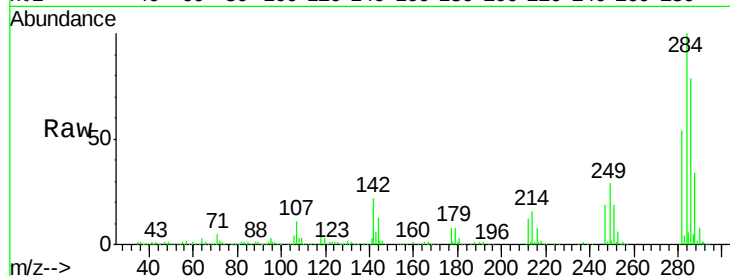




#67
Hexachlorobenzene
Concen: 53.54 ng
RT: 10.91 min Scan# 772
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

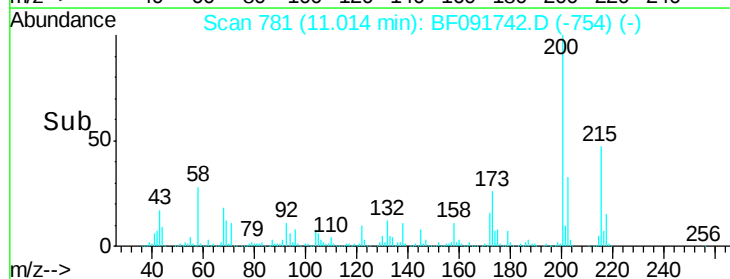
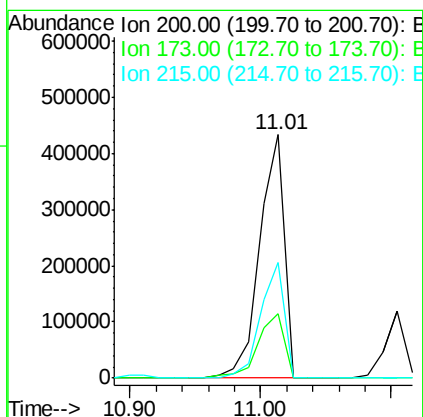
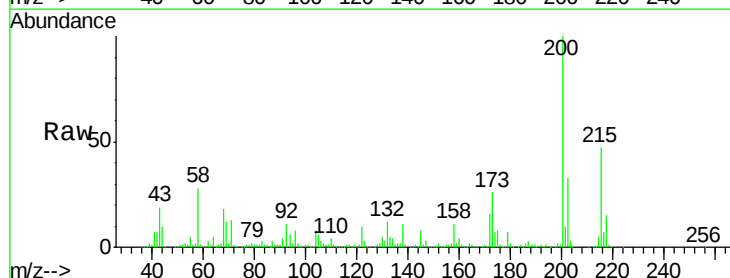
Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

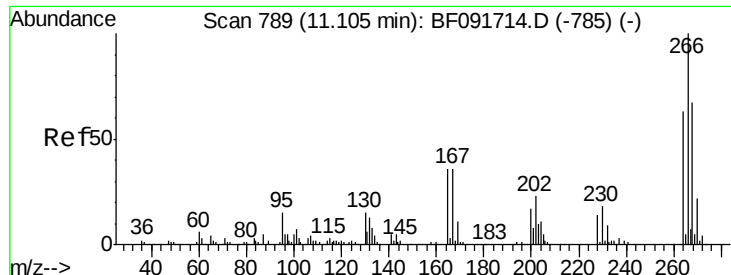
Tot Ion:284 Resp: 579419
Ion Ratio Lower Upper
284 100
142 21.9 22.6 33.8#
249 29.3 25.4 38.0



#68
Atrazine
Concen: 61.83 ng
RT: 11.01 min Scan# 781
Delta R.T. 0.01 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion:200 Resp: 571462
Ion Ratio Lower Upper
200 100
173 26.3 9.6 49.6
215 47.3 25.7 65.7

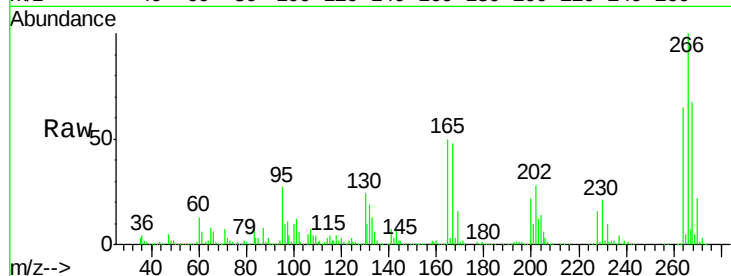




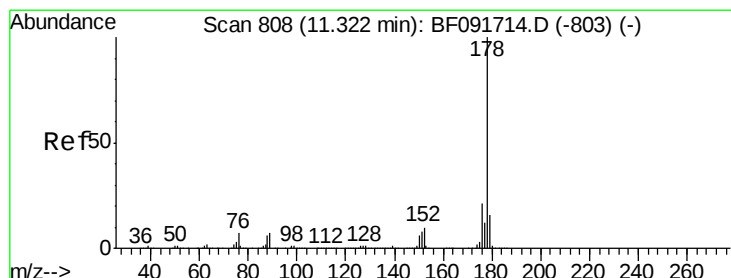
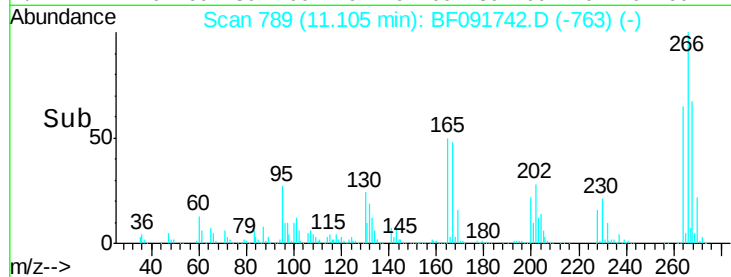
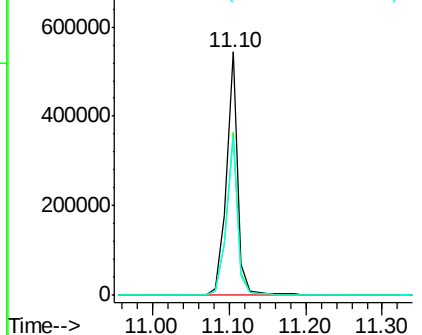
#69
 Pentachlorophenol
 Concen: 99.39 ng
 RT: 11.10 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	66.9	53.3	79.9
264	64.7	50.3	75.5

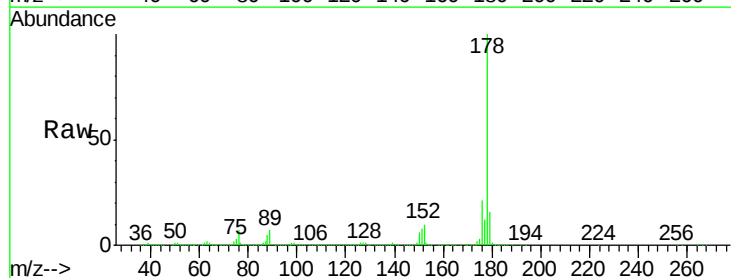


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

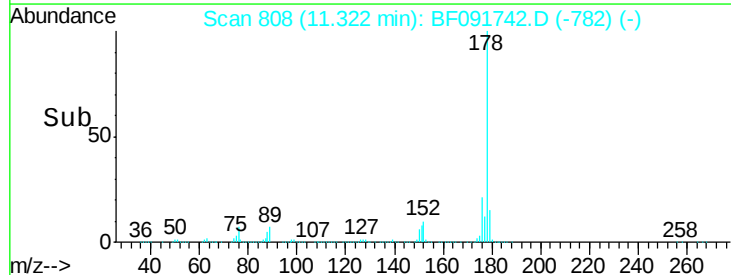
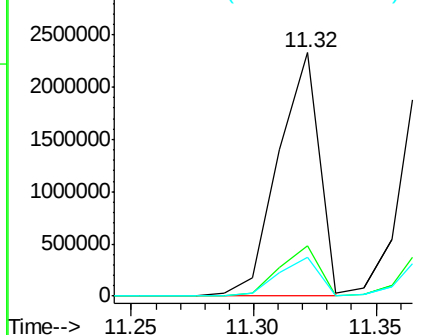


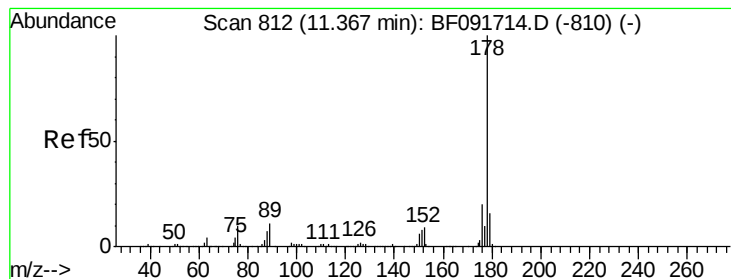
#70
 Phenanthrene
 Concen: 55.16 ng m
 RT: 11.32 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.6	25.0
179	15.9	12.8	19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 46.02 ng m

RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

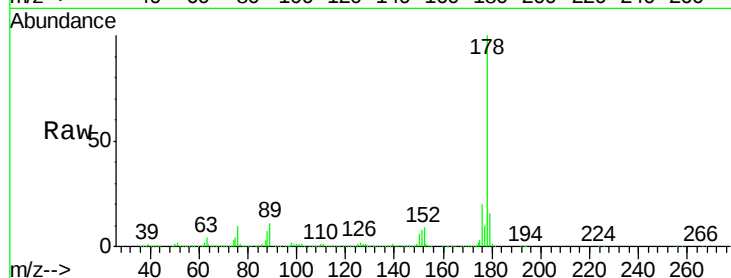
Tot Ion:178 Resp: 2398803

Ion Ratio Lower Upper

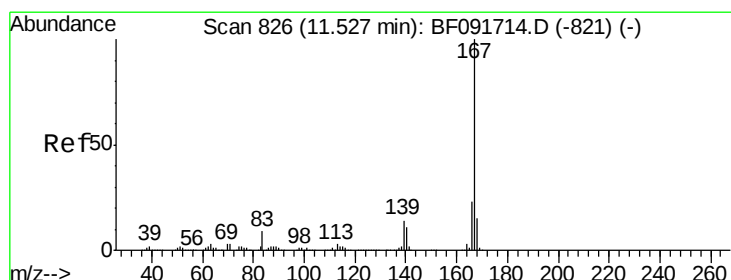
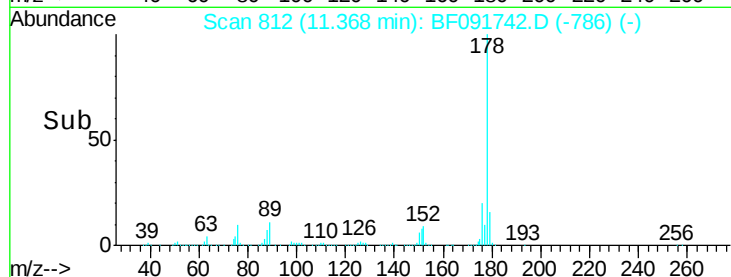
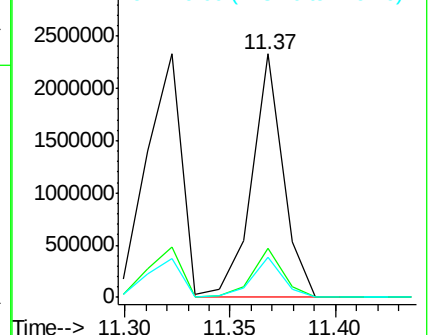
178 100

176 20.0 15.9 23.9

179 16.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 52.12 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

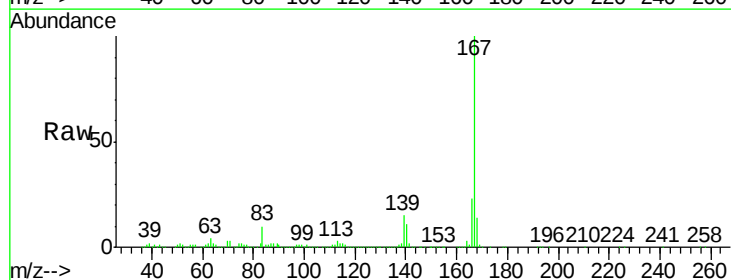
Tgt Ion:167 Resp: 2375604

Ion Ratio Lower Upper

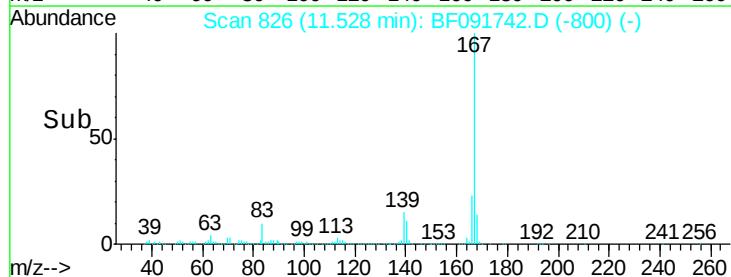
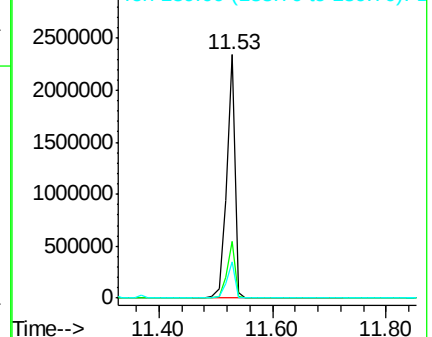
167 100

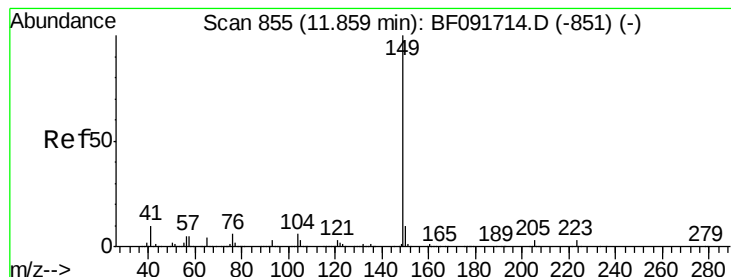
166 23.2 18.2 27.2

139 14.9 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 48.22 ng

RT: 11.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

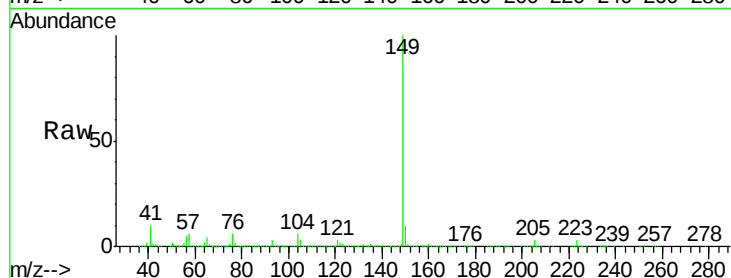
Tot Ion:149 Resp: 2817581

Ion Ratio Lower Upper

149 100

150 10.3 8.1 12.1

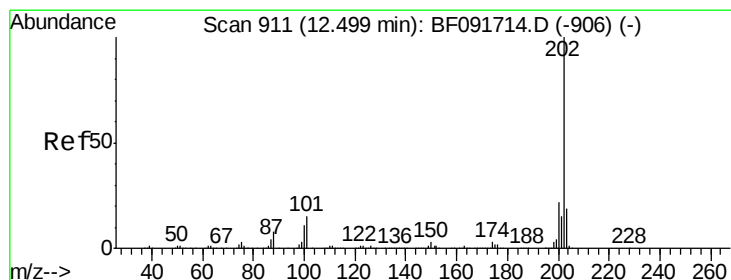
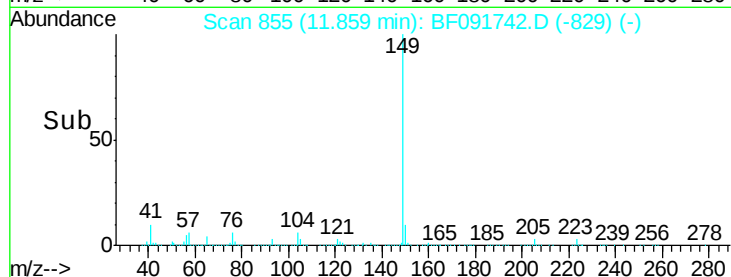
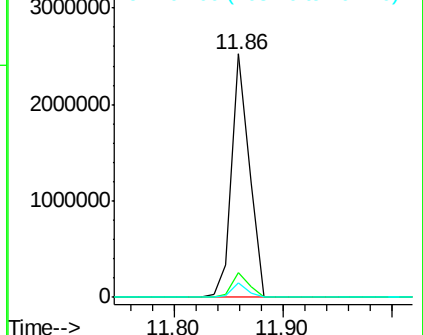
104 6.0 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 51.66 ng

RT: 12.51 min Scan# 912

Delta R.T. 0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

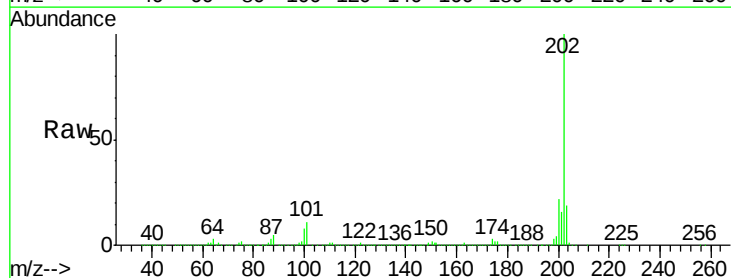
Tgt Ion:202 Resp: 2655434

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.6

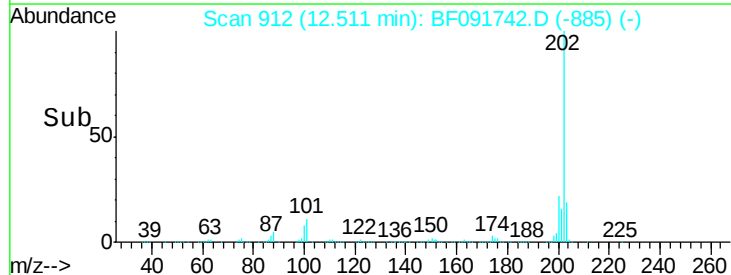
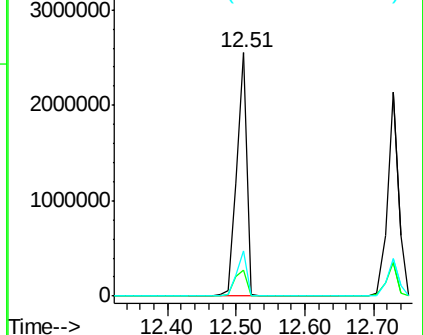
203 18.5 0.0 38.7

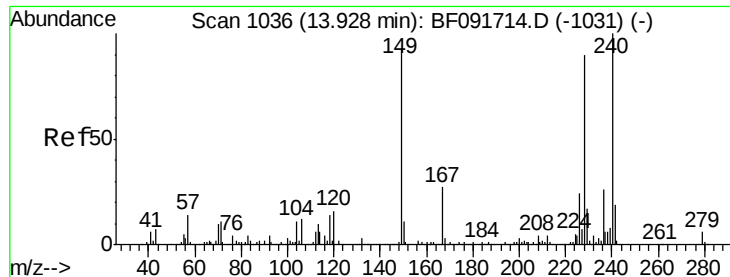


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

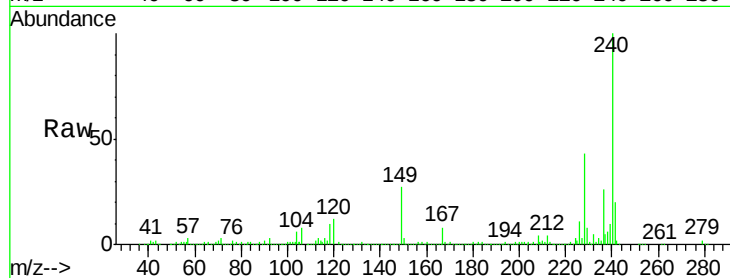
Tot Ion:240 Resp: 735152

Ion Ratio Lower Upper

240 100

120 11.8 12.9 19.3#

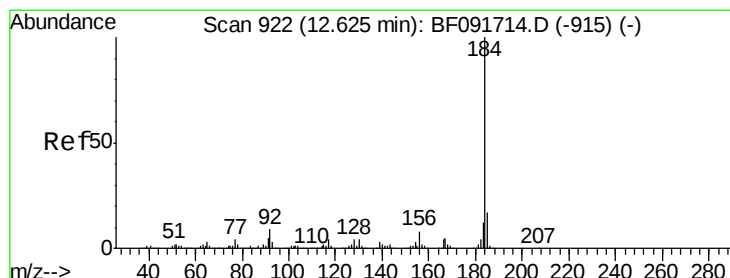
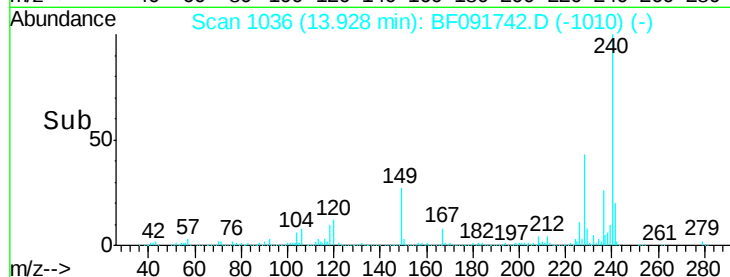
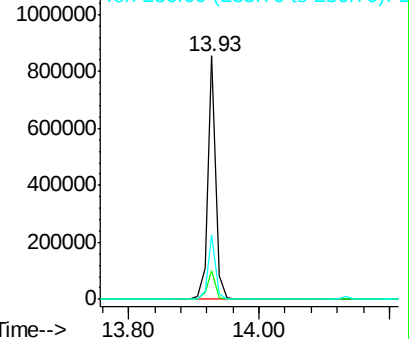
236 26.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 44.12 ng

RT: 12.63 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

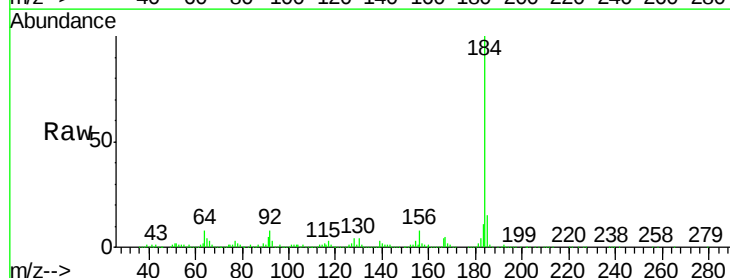
Tgt Ion:184 Resp: 933690

Ion Ratio Lower Upper

184 100

185 15.1 13.4 20.0

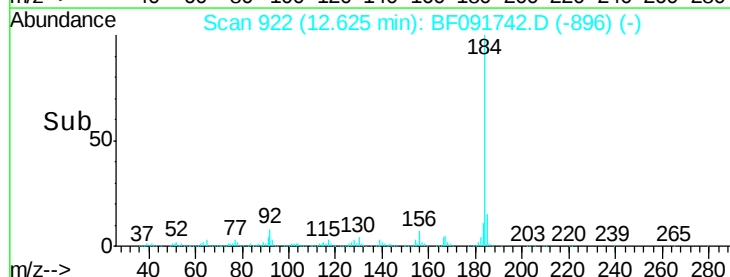
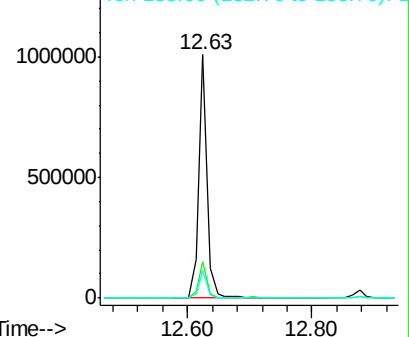
183 11.4 9.2 13.8

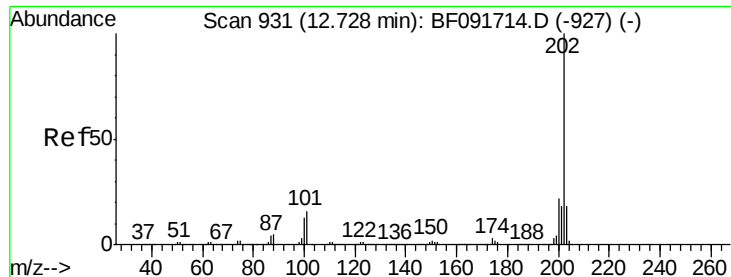


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 44.62 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

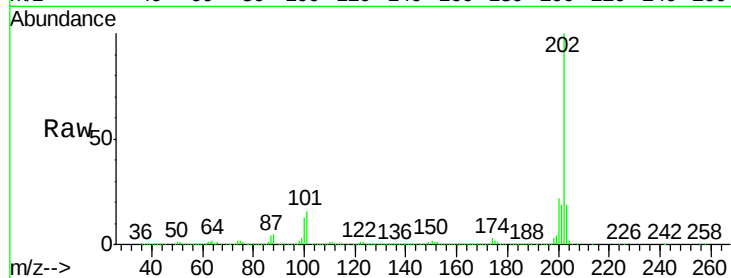
Tot Ion:202 Resp: 2368797

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

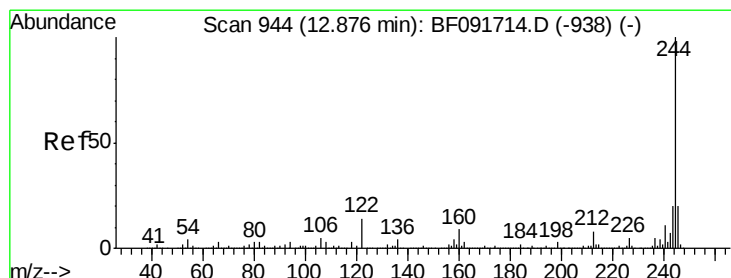
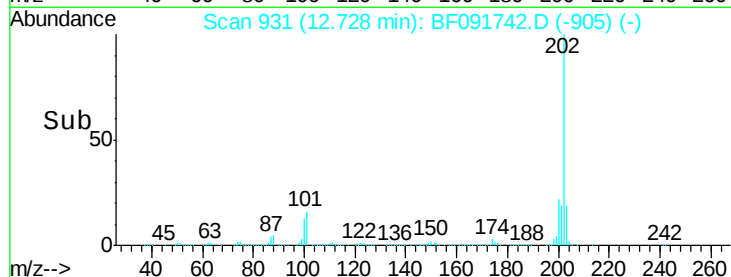
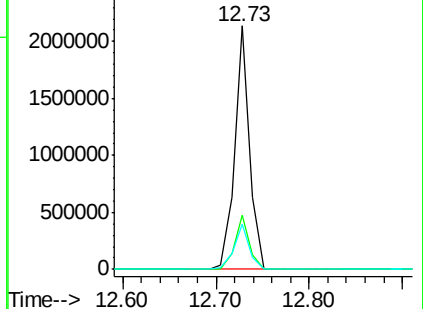
203 18.7 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 89.16 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

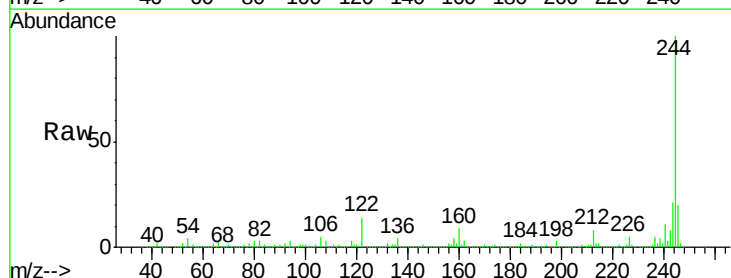
Tgt Ion:244 Resp: 2595889

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

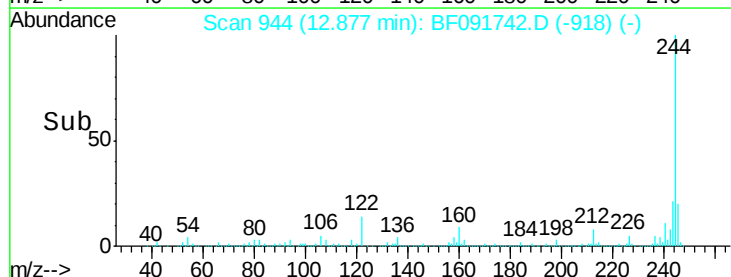
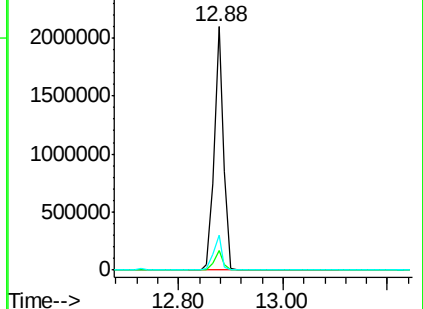
122 14.2 11.4 17.2

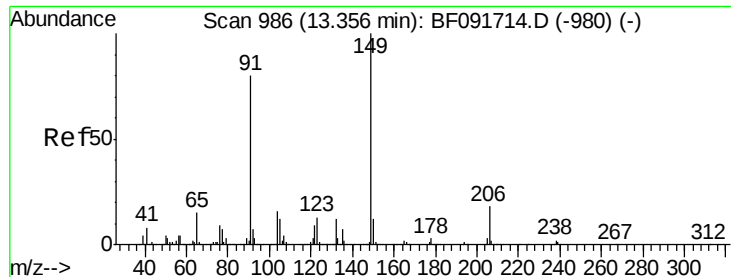


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

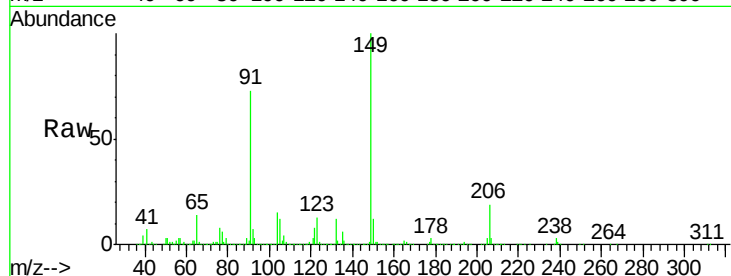




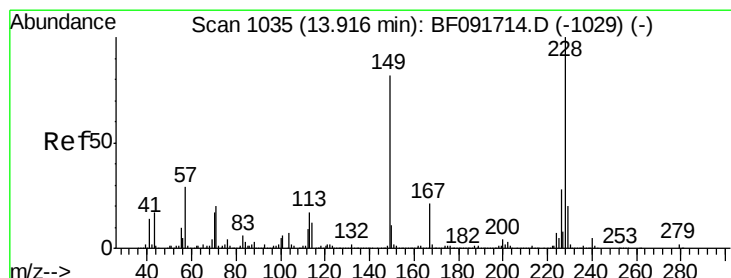
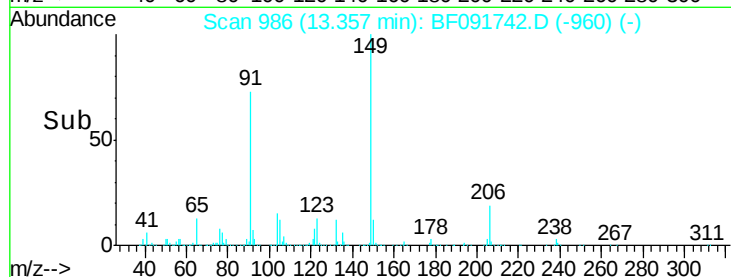
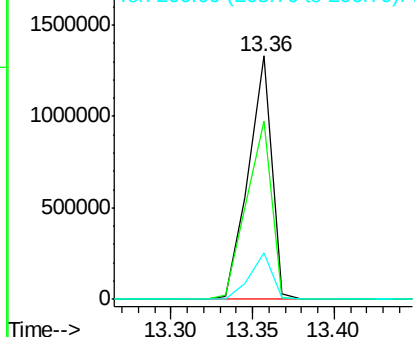
#79
Butylbenzylphthalate
Concen: 53.36 ng
RT: 13.36 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:149 Resp: 1325985
Ion Ratio Lower Upper
149 100
91 73.3 63.9 95.9
206 19.3 14.6 21.8

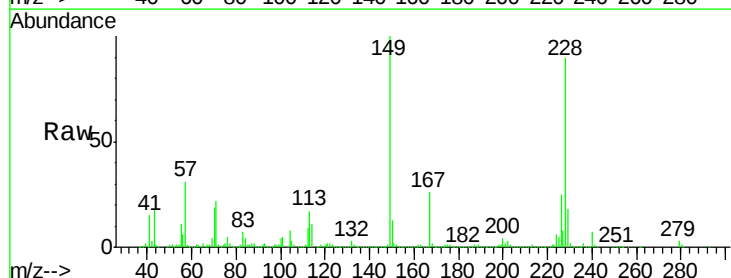


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

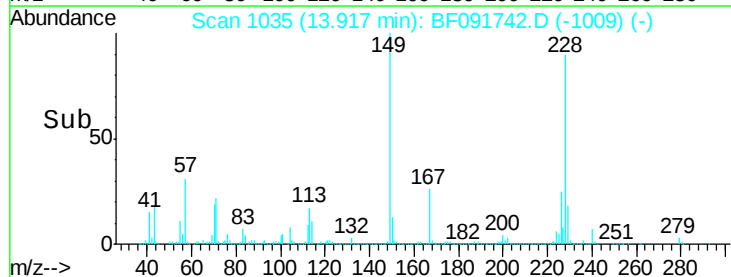
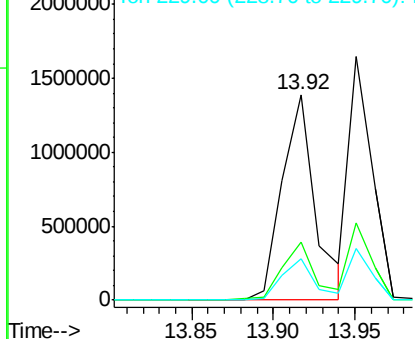


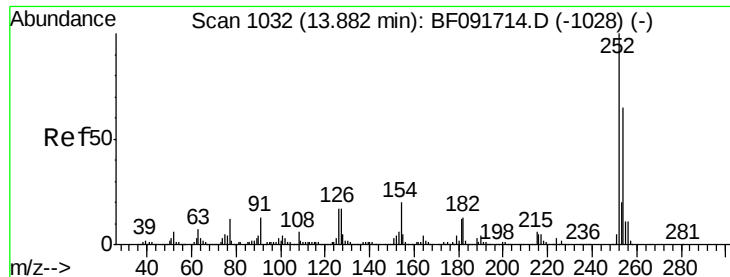
#80
Benzo(a)anthracene
Concen: 46.88 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion:228 Resp: 1971179
Ion Ratio Lower Upper
228 100
226 28.1 22.4 33.6
229 20.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

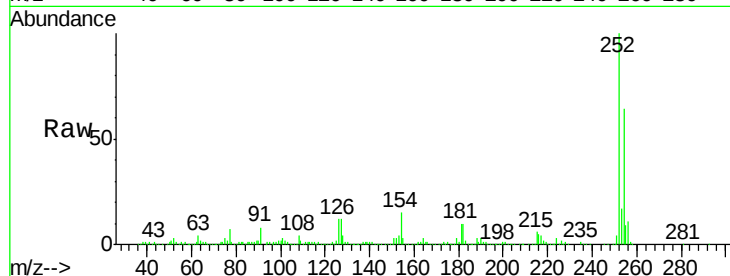




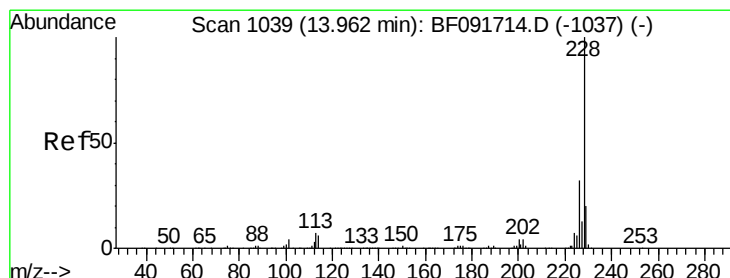
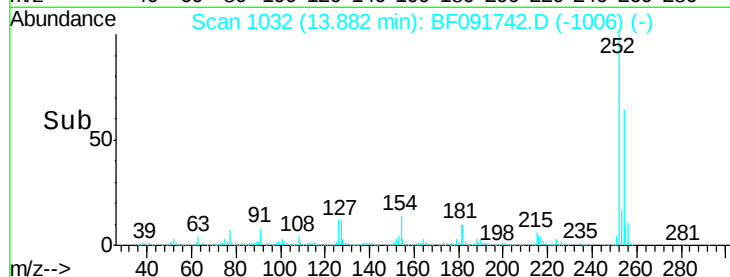
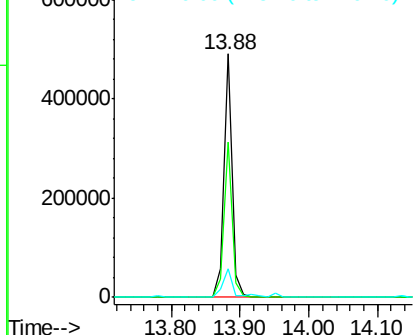
#81
 3,3'-Dichlorobenzidine
 Concen: 24.96 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:252 Resp: 419964
 Ion Ratio Lower Upper
 252 100
 254 63.9 52.3 78.5
 126 11.8 13.6 20.4#

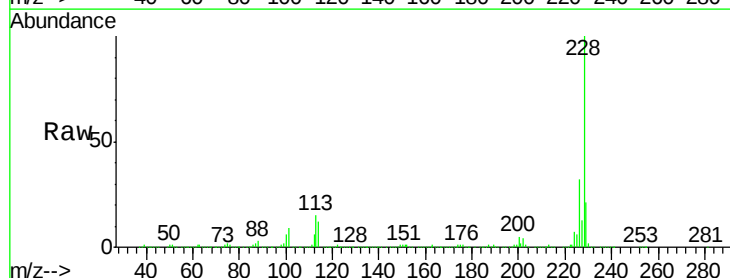


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

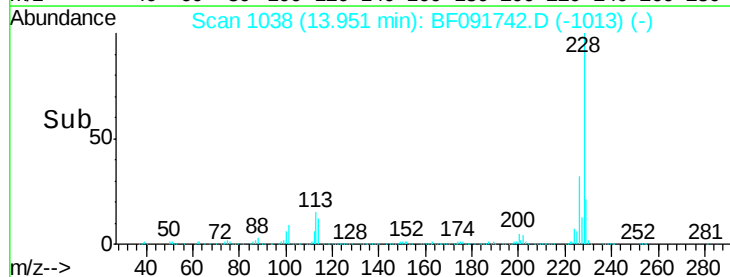
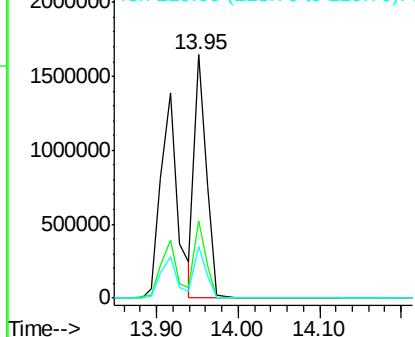


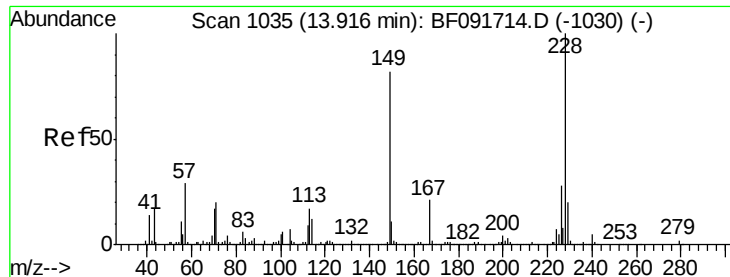
#82
 Chrysene
 Concen: 38.62 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion:228 Resp: 1683376
 Ion Ratio Lower Upper
 228 100
 226 31.6 25.4 38.0
 229 21.0 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



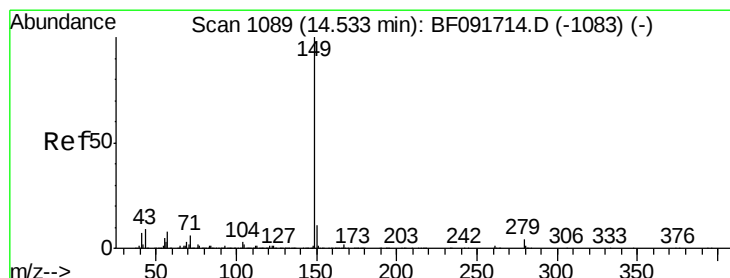
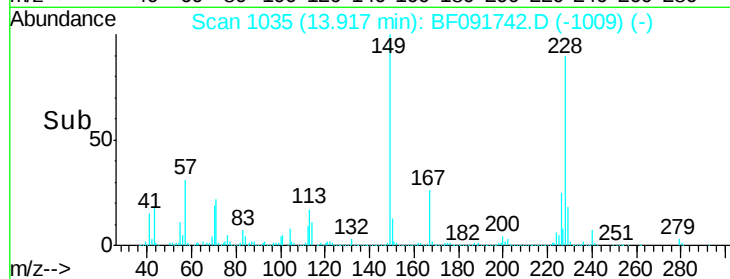
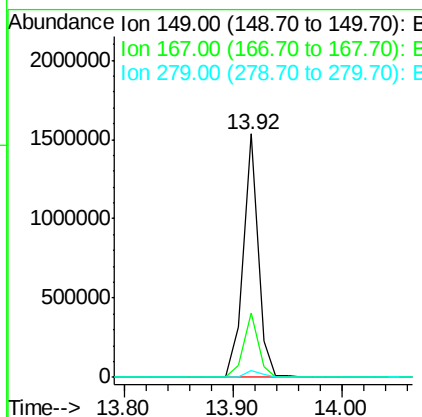
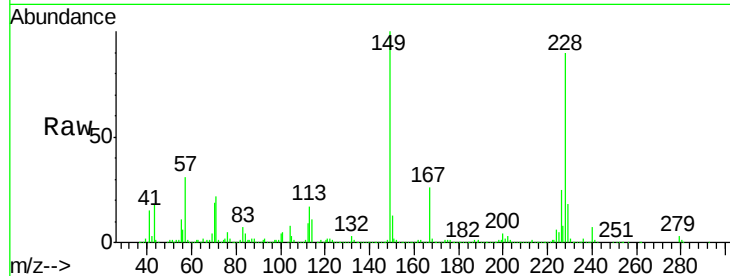


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.85 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:149 Resp: 1445196

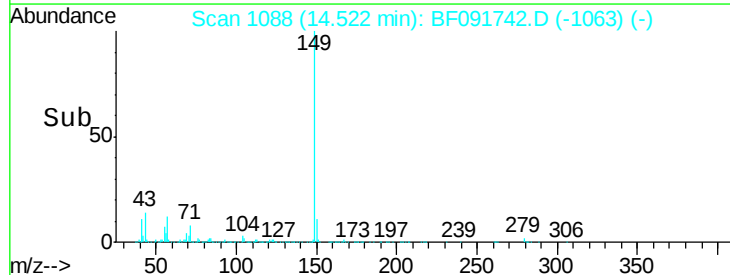
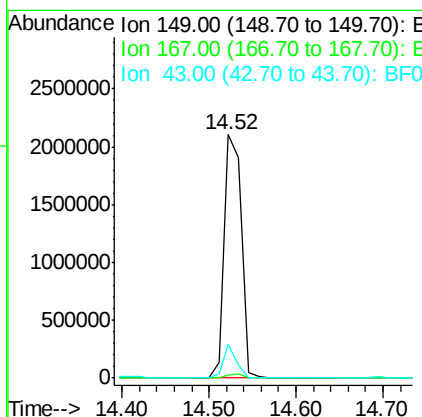
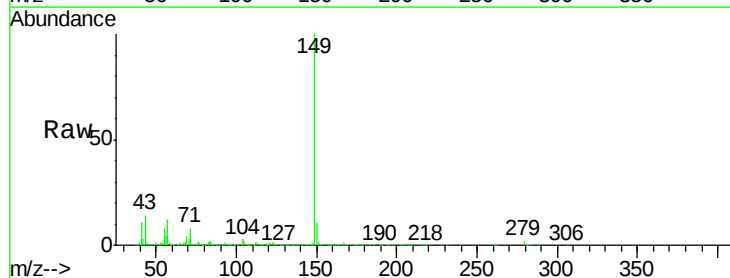
Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.2	30.4
279	2.9	1.8	2.8#

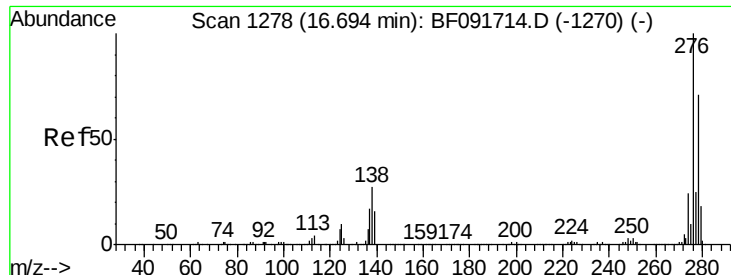


#84
 Di-n-octyl phthalate
 Concen: 50.05 ng
 RT: 14.52 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Tgt Ion:149 Resp: 2907169

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.5	8.9	13.3

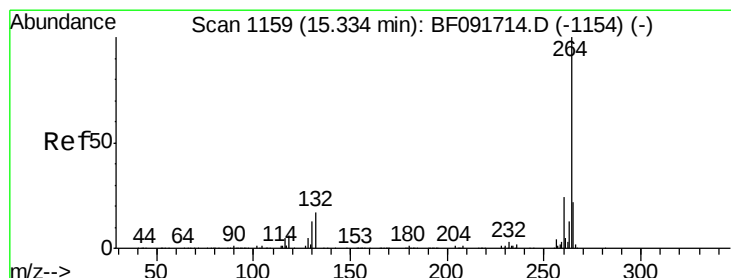
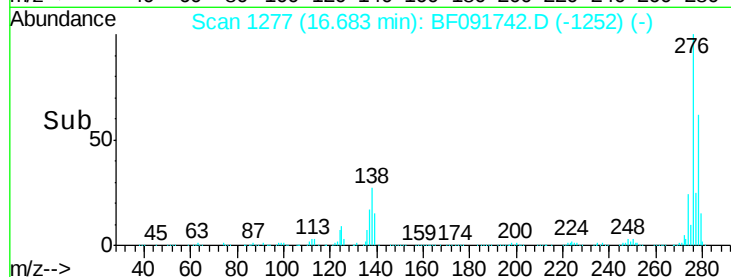
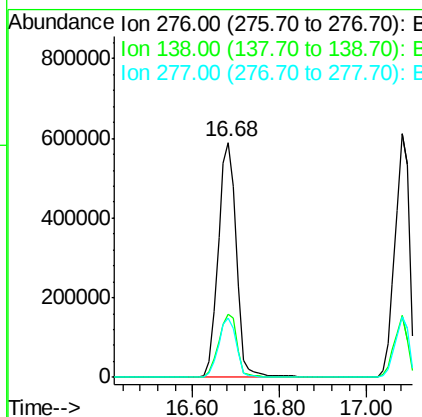
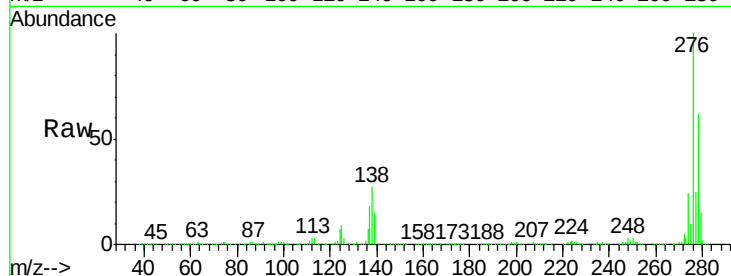




#85
Indeno(1,2,3-cd)pyrene
Concen: 40.47 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

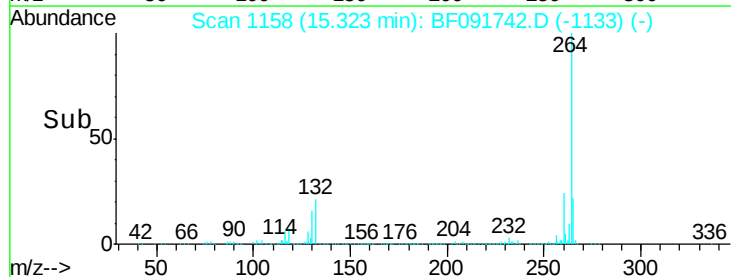
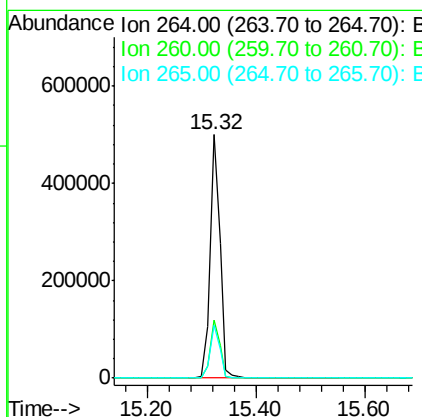
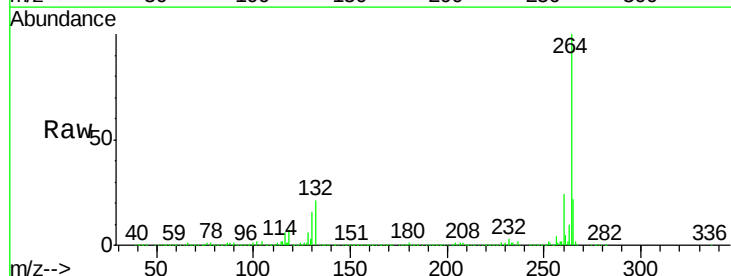
Instrument :
BNA_F
ClientSampleId :
SB-49(22.5-24.5)-12-14-16MSD

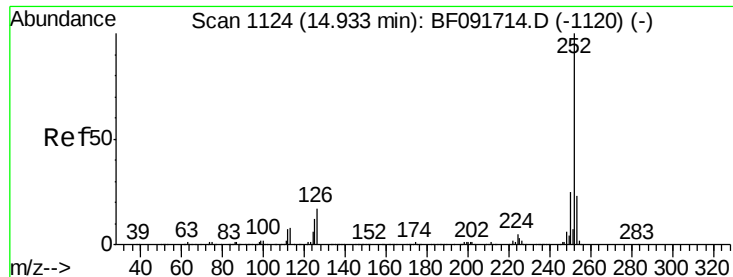
Tot Ion:276 Resp: 1734458
Ion Ratio Lower Upper
276 100
138 27.4 21.8 32.6
277 25.1 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF091742.D
Acq: 18 Dec 2016 17:57

Tgt Ion:264 Resp: 633442
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.6 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 48.67 ng m

RT: 14.93 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

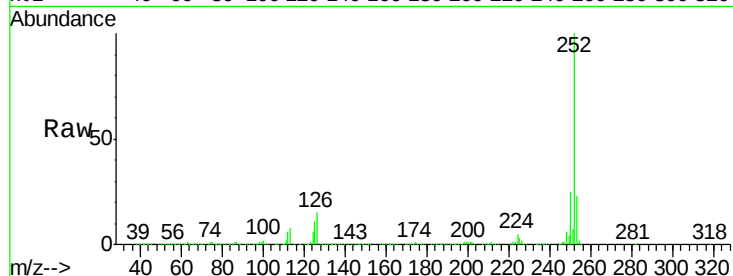
Tot Ion:252 Resp: 1955129

Ion Ratio Lower Upper

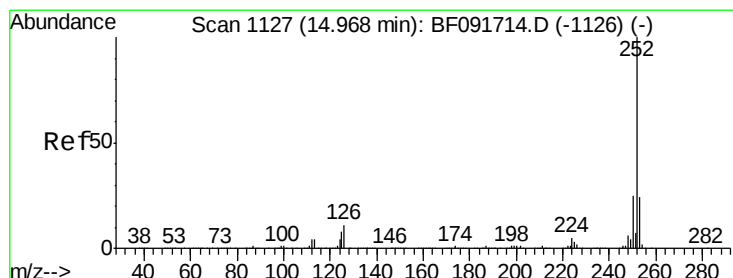
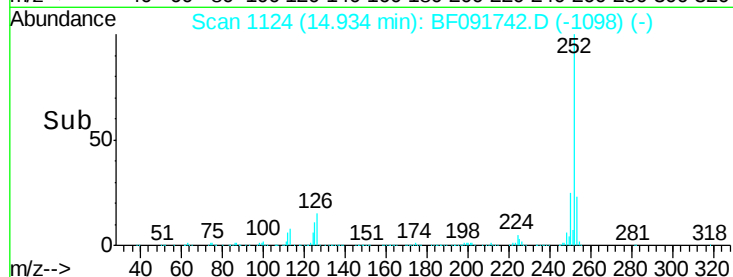
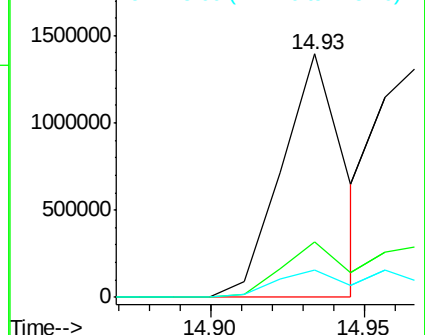
252 100

253 22.6 18.2 27.4

125 11.1 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 63.44 ng m

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

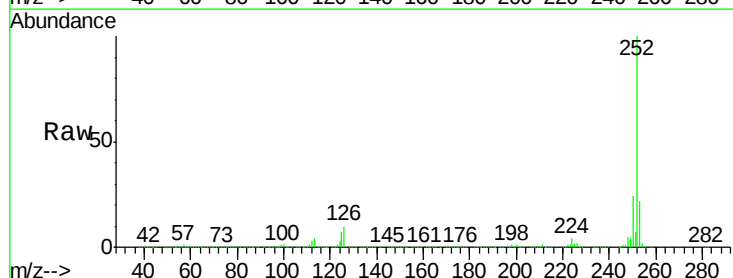
Tgt Ion:252 Resp: 1787815

Ion Ratio Lower Upper

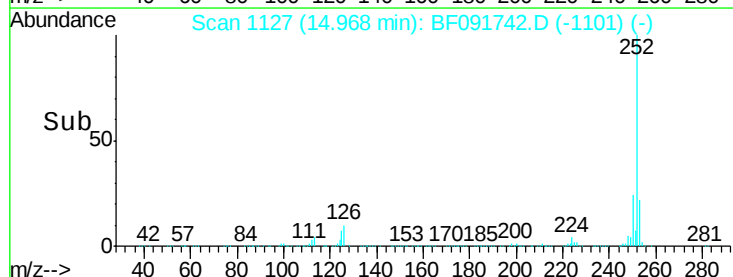
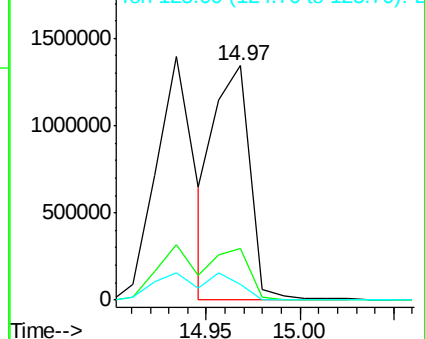
252 100

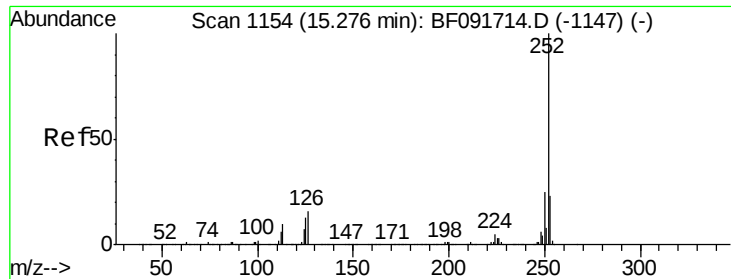
253 22.1 18.5 27.7

125 6.6 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 51.26 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

Instrument :

BNA_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

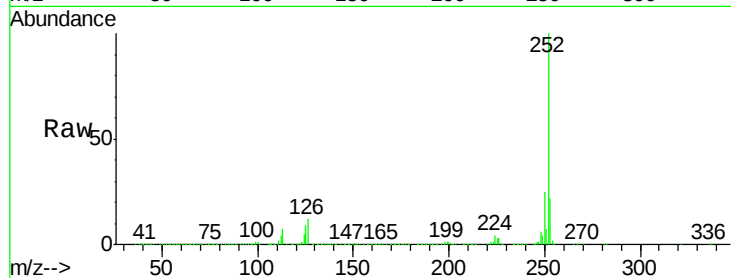
Tot Ion:252 Resp: 1767177

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

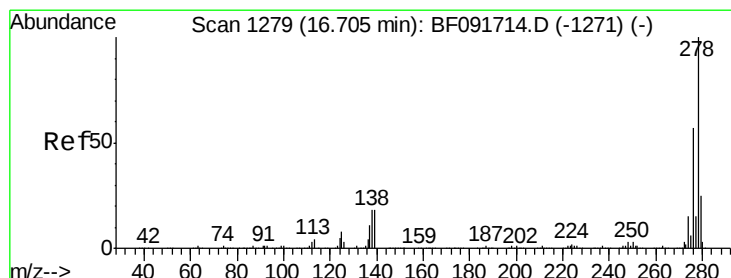
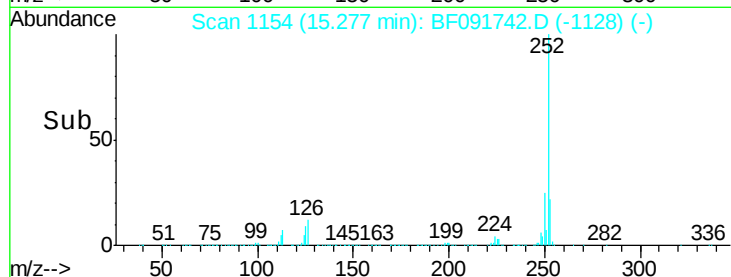
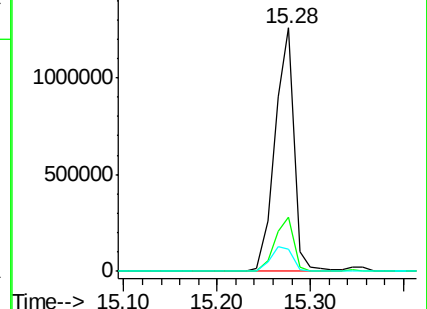
125 9.4 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 47.25 ng

RT: 16.69 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF091742.D

Acq: 18 Dec 2016 17:57

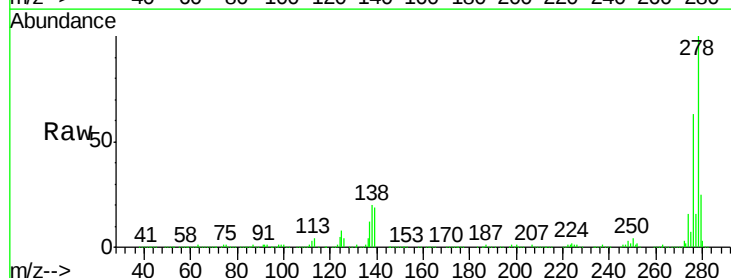
Tgt Ion:278 Resp: 1419814

Ion Ratio Lower Upper

278 100

139 19.2 14.8 22.2

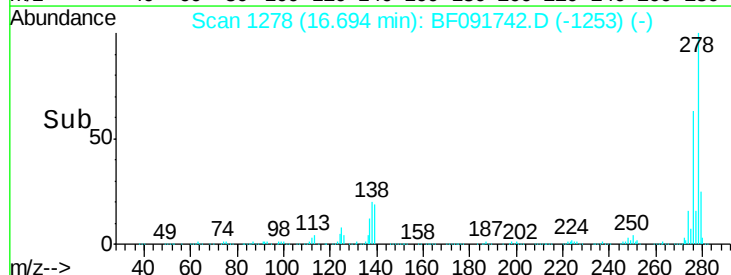
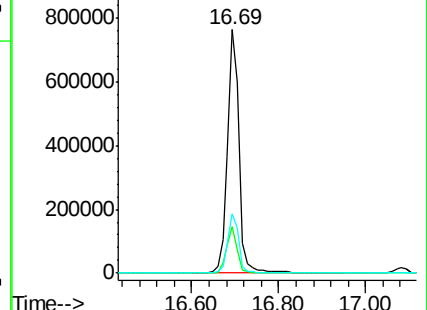
279 24.6 19.8 29.6

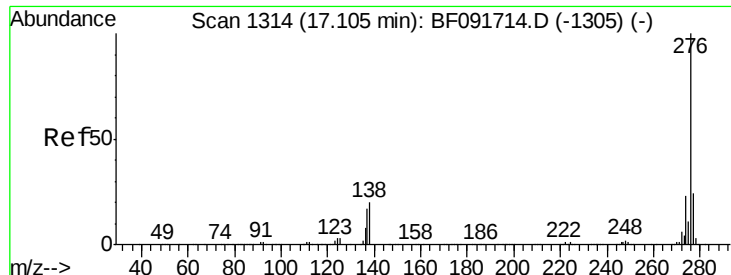


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 46.60 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF091742.D
 Acq: 18 Dec 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:276 Resp: 1423092
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.2 28.8
 138 25.5 16.0 24.0#

