

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112816\
 Data File : BF091312.D
 Acq On : 28 Nov 2016 12:52
 Operator : UM/SJ
 Sample : SSTDC0040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 16:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	229128	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	870138	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	512828	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	871827	20.00	ng	0.00
75) Chrysene-d12	14.05	240	593776	20.00	ng	0.00
86) Perylene-d12	15.48	264	485531	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1150876	80.70	ng	0.00
7) Phenol-d6	6.50	99	1435788	78.36	ng	0.00
23) Nitrobenzene-d5	7.44	82	1238577	81.95	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	372121	71.96	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	2294975	73.28	ng	0.00
78) Terphenyl-d14	13.00	244	2260823	86.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	243973	36.27	ng	88
3) Pyridine	3.21	79	678680	37.54	ng	86
4) n-Nitrosodimethylamine	3.17	42	380420	38.43	ng	94
6) Aniline	6.54	93	912488	38.96	ng	# 69
8) 2-Chlorophenol	6.66	128	619659	39.89	ng	94
9) Benzaldehyde	6.42	77	340837	36.53	ng	81
10) Phenol	6.53	94	736844	36.04	ng	90
11) bis(2-Chloroethyl)ether	6.62	93	620318	41.28	ng	93
12) 1,3-Dichlorobenzene	7.05	146	629513	37.17	ng	98
13) 1,4-Dichlorobenzene	6.89	146	635942	36.68	ng	96
14) 1,2-Dichlorobenzene	7.05	146	629403	38.27	ng	94
15) Benzyl Alcohol	7.02	79	511900	35.98	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.16	45	1246454	37.83	ng	72
17) 2-Methylphenol	7.13	107	475106	38.65	ng	# 77
18) Hexachloroethane	7.40	117	245241	39.73	ng	95
19) n-Nitroso-di-n-propylamine	7.30	70	458203	39.87	ng	# 86
20) 3+4-Methylphenols	7.29	107	604172	40.04	ng	# 46
22) Acetophenone	7.29	105	762774	38.85	ng	# 86
24) Nitrobenzene	7.46	77	710272	44.41	ng	# 88
25) Isophorone	7.70	82	1109989	39.31	ng	99
26) 2-Nitrophenol	7.78	139	305182	47.58	ng	# 69
27) 2,4-Dimethylphenol	7.82	122	543561	40.38	ng	97
28) bis(2-Chloroethoxy)methane	7.92	93	695098	41.35	ng	98
29) 2,4-Dichlorophenol	8.02	162	508095	42.71	ng	92
30) 1,2,4-Trichlorobenzene	8.10	180	534757	39.02	ng	99
31) Naphthalene	8.18	128	1565020	37.39	ng	99
32) Benzoic acid	7.96	122	473824	44.70	ng	93
33) 4-Chloroaniline	8.24	127	744325	40.88	ng	97
34) Hexachlorobutadiene	8.31	225	336599	41.55	ng	98
35) Caprolactam	8.62	113	132517	36.13	ng	92
36) 4-Chloro-3-methylphenol	8.72	107	540748	42.30	ng	# 79
37) 2-Methylnaphthalene	8.88	142	1199271	41.75	ng	95
39) 1,2,4,5-Tetrachlorobenzene	9.04	216	493027	35.48	ng	98
40) Hexachlorocyclopentadiene	9.04	237	260198	41.83	ng	98

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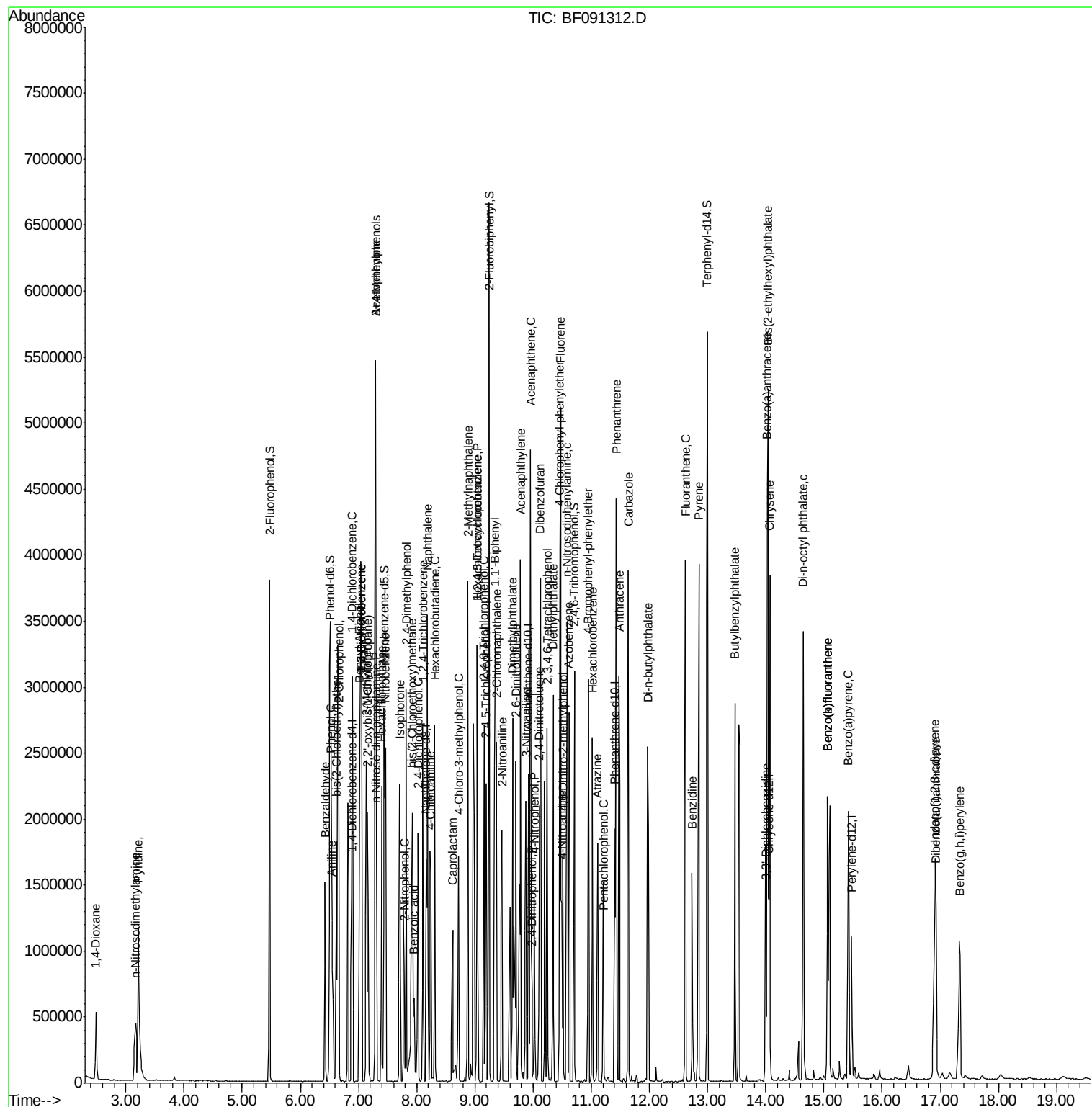
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.16	196	401778	41.92	nq	97
43) 2,4,5-Trichlorophenol	9.19	196	322302	35.00	nq #	89
45) 1,1'-Biphenyl	9.35	154	1436844	38.86	nq	93
46) 2-Chloronaphthalene	9.37	162	1075499	39.71	nq	93
47) 2-Nitroaniline	9.46	65	435238	47.36	nq	99
48) Acenaphthylene	9.78	152	1655418	38.14	nq	99
49) Dimethylphthalate	9.65	163	1082687	33.81	nq	97
50) 2,6-Dinitrotoluene	9.70	165	270611	38.69	nq	96
51) Acenaphthene	9.96	154	1101779	37.30	nq	97
52) 3-Nitroaniline	9.88	138	354372	47.13	nq	99
53) 2,4-Dinitrophenol	9.98	184	135322	50.96	nq #	80
54) Dibenzofuran	10.13	168	1454566	35.01	nq	96
55) 4-Nitrophenol	10.02	139	225984	41.67	nq	96
56) 2,4-Dinitrotoluene	10.10	165	344002	38.87	nq #	66
57) Fluorene	10.47	166	1151801	36.22	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.24	232	298120	36.82	nq	97
59) Diethylphthalate	10.34	149	1080996	33.55	nq	97
60) 4-Chlorophenyl-phenylether	10.46	204	482567	32.95	nq #	80
61) 4-Nitroaniline	10.49	138	346462	49.38	nq	99
62) Azobenzene	10.62	77	1207732	36.95	nq	86
64) 4,6-Dinitro-2-methylphenol	10.52	198	201668	51.01	nq #	67
65) n-Nitrosodiphenylamine	10.58	169	1068013	40.35	nq	100
66) 4-Bromophenyl-phenylether	10.95	248	344028	36.10	nq	94
67) Hexachlorobenzene	11.02	284	396540	37.96	nq	96
68) Atrazine	11.11	200	224870	27.07	nq	96
69) Pentachlorophenol	11.21	266	222951	36.08	nq	95
70) Phenanthrene	11.43	178	1663046	36.77	nq	98
71) Anthracene	11.48	178	1721178	37.22	nq	100
72) Carbazole	11.64	167	1646484	40.01	nq	99
73) Di-n-butylphthalate	11.97	149	1758931	36.91	nq	99
74) Fluoranthene	12.62	202	1913125	41.59	nq	98
76) Benzidine	12.73	184	635795	55.25	nq	97
77) Pyrene	12.85	202	1925880	43.90	nq	100
79) Butylbenzylphthalate	13.46	149	677793	38.60	nq	89
80) Benzo(a)anthracene	14.02	228	1389577	41.23	nq	98
81) 3,3'-Dichlorobenzidine	14.00	252	509245	45.82	nq #	98
82) Chrysene	14.07	228	1427401	44.82	nq	100
83) Bis(2-ethylhexyl)phthalate	14.04	149	917847	41.99	nq #	92
84) Di-n-octyl phthalate	14.64	149	1413245	41.08	nq	100
85) Indeno(1,2,3-cd)pyrene	16.91	276	1179098	42.99	nq	95
87) Benzo(b)fluoranthene	15.07	252	1163015	37.97	nq	97
88) Benzo(k)fluoranthene	15.07	252	1163015	46.49	nq #	97
89) Benzo(a)pyrene	15.42	252	1069708	41.05	nq #	96
90) Dibenzo(a,h)anthracene	16.93	278	992408	41.25	nq #	92
91) Benzo(g,h,i)perylene	17.33	276	1033705	43.32	nq	100

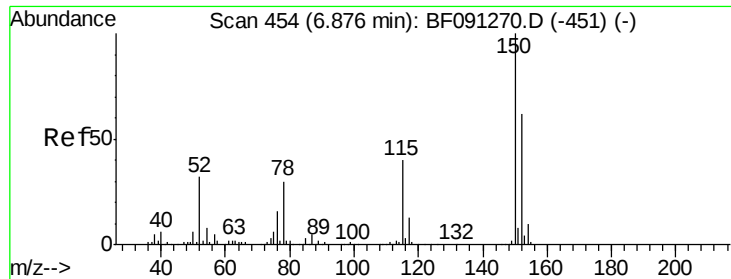
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 402

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

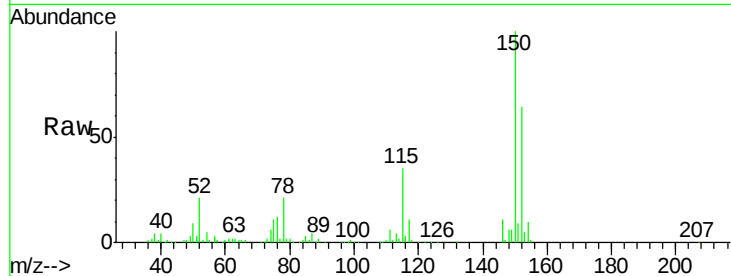
Tot Ion:152 Resp: 229128

Ion Ratio Lower Upper

152 100

150 157.1 122.5 183.7

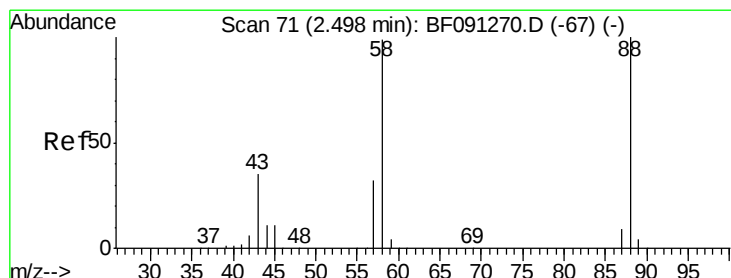
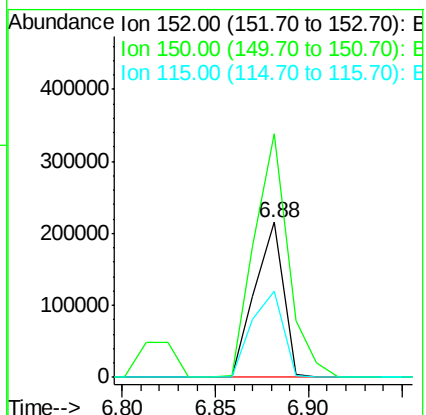
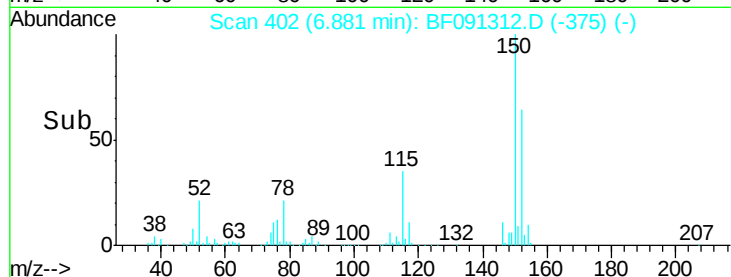
115 55.5 51.8 77.8



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: 36.27 ng

RT: 2.48 min Scan# 17

Delta R.T. -0.02 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

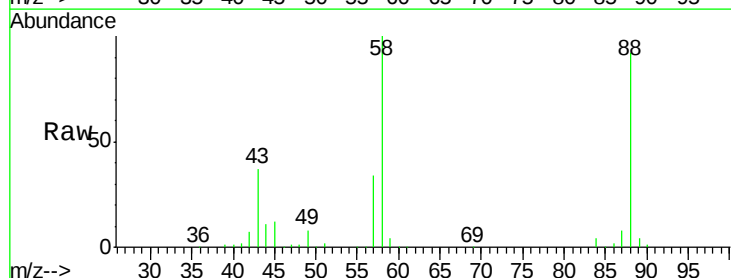
Tgt Ion: 88 Resp: 243973

Ion Ratio Lower Upper

88 100

58 103.7 70.3 105.5

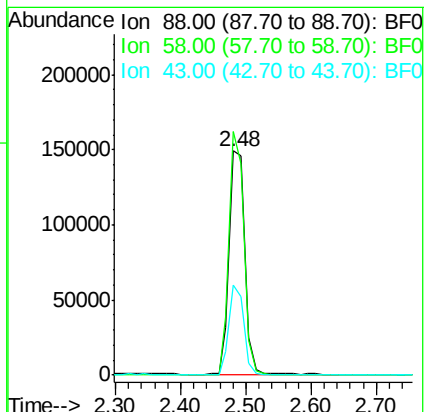
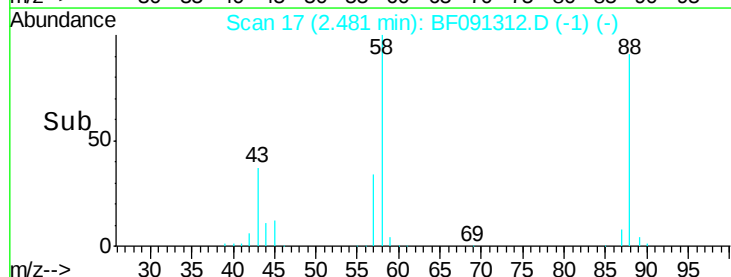
43 38.9 31.3 46.9

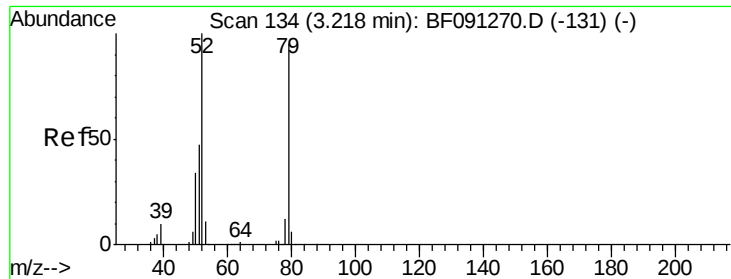


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 37.54 ng

RT: 3.21 min Scan# 81

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

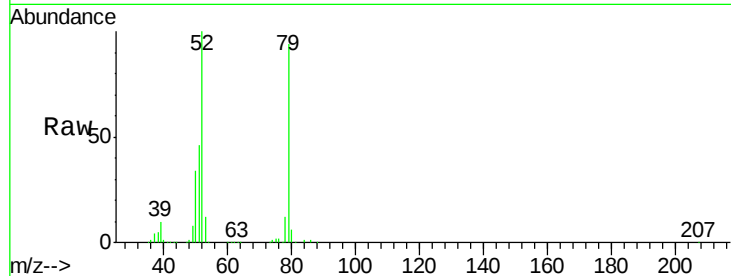
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 79 Resp: 678680

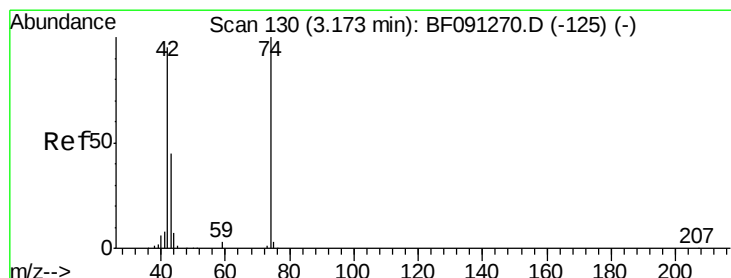
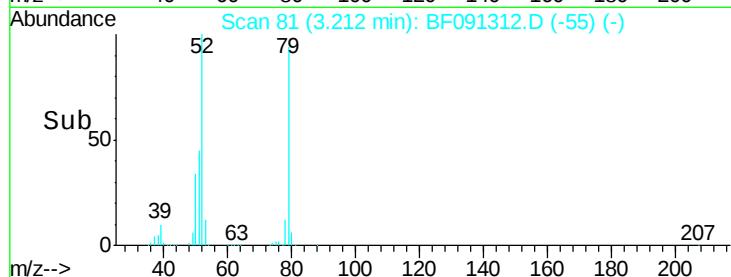
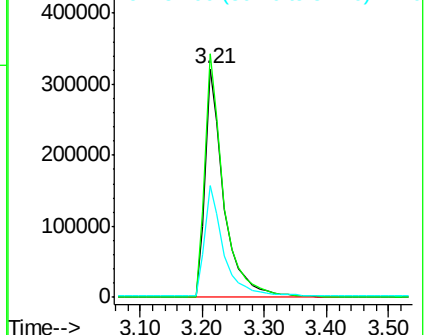
Ion	Ratio	Lower	Upper
79	100		
52	106.4	71.0	106.4
51	49.0	37.0	55.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 38.43 ng

RT: 3.17 min Scan# 77

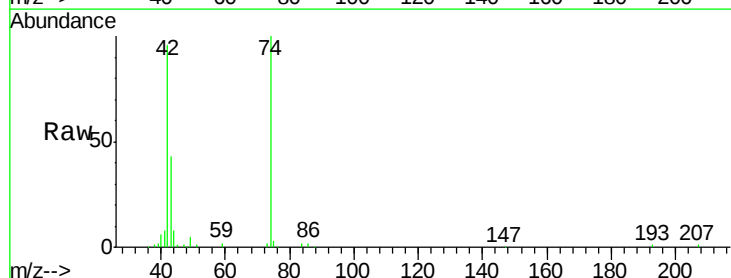
Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Tgt Ion: 42 Resp: 380420

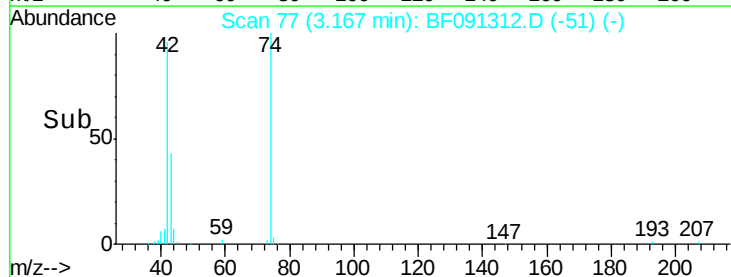
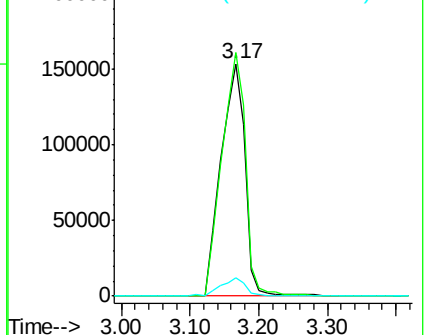
Ion	Ratio	Lower	Upper
42	100		
74	104.6	78.9	118.3
44	8.0	5.8	8.6

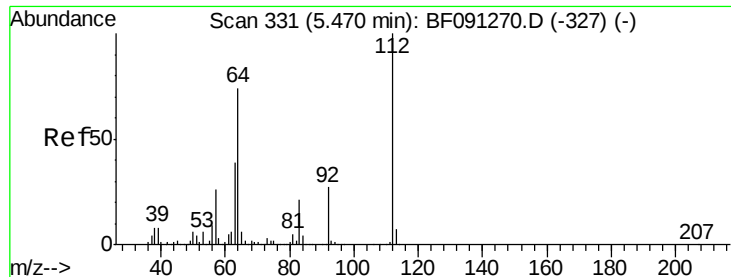


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 80.70 ng

RT: 5.48 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampled :

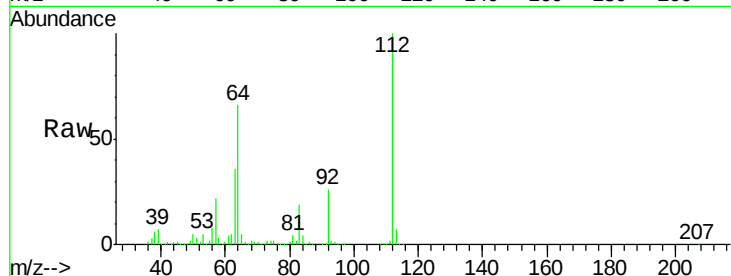
Tot Ion:112 Resp: 1150876

Ion Ratio Lower Upper

112 100

64 66.0 61.5 92.3

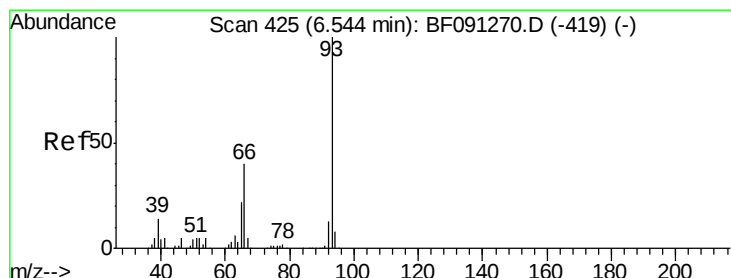
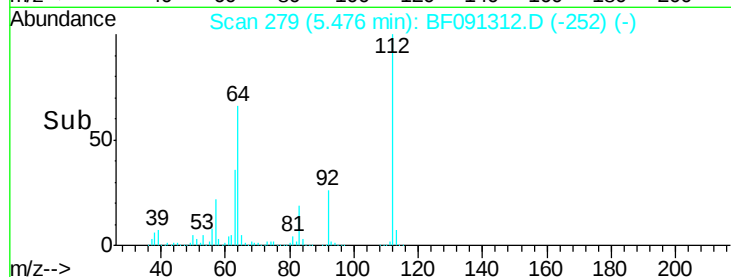
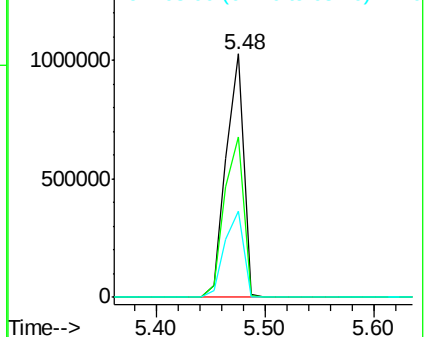
63 35.5 33.3 49.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 38.96 ng

RT: 6.54 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

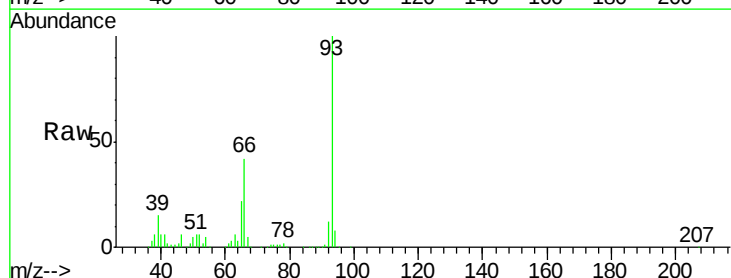
Tgt Ion: 93 Resp: 912488

Ion Ratio Lower Upper

93 100

66 41.9 55.8 83.6#

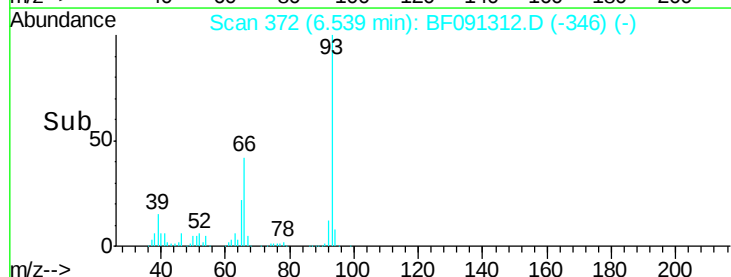
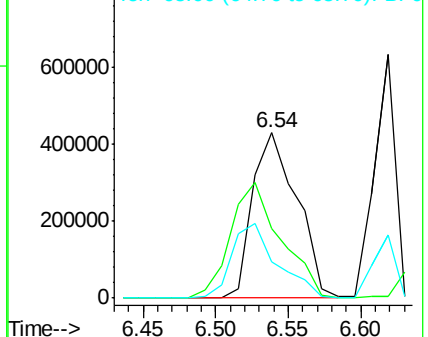
65 22.1 29.9 44.9#

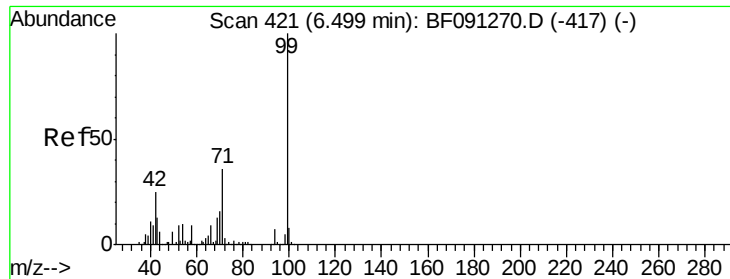


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 78.36 ng

RT: 6.50 min Scan# 369

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

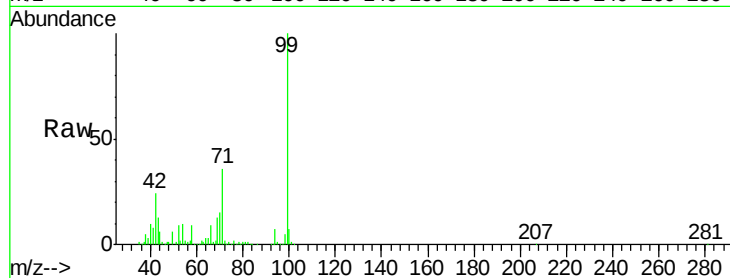
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1435788

Ion	Ratio	Lower	Upper
99	100		
42	23.7	20.6	31.0
71	36.1	29.9	44.9

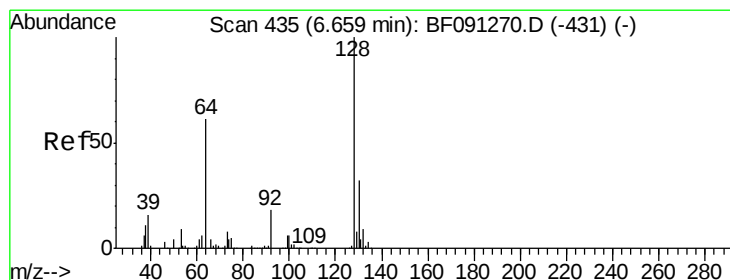
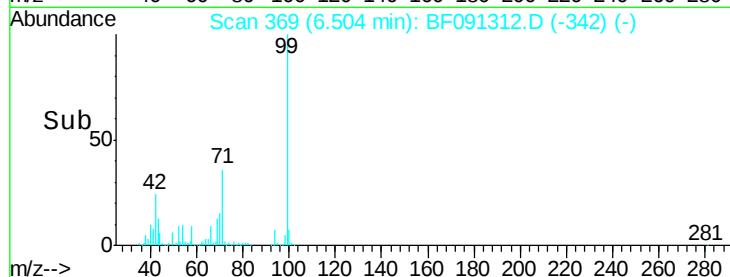
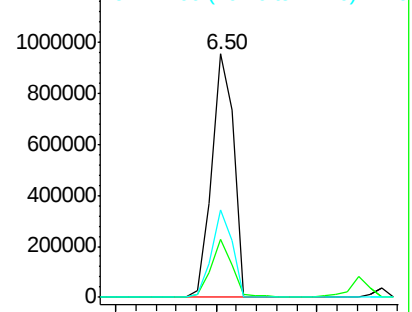


Abundance

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: 39.89 ng

RT: 6.66 min Scan# 383

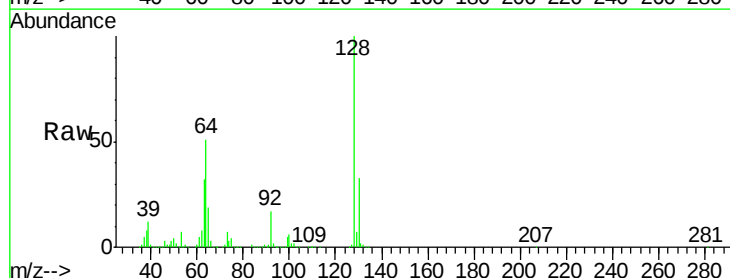
Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Tgt Ion: 128 Resp: 619659

Ion	Ratio	Lower	Upper
128	100		
130	33.2	13.1	53.1
64	51.0	24.1	64.1

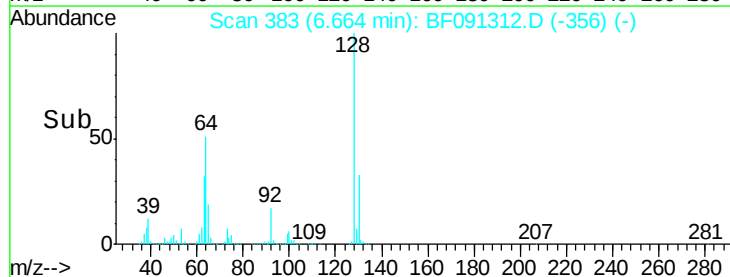
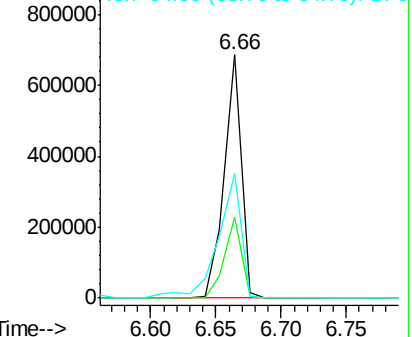


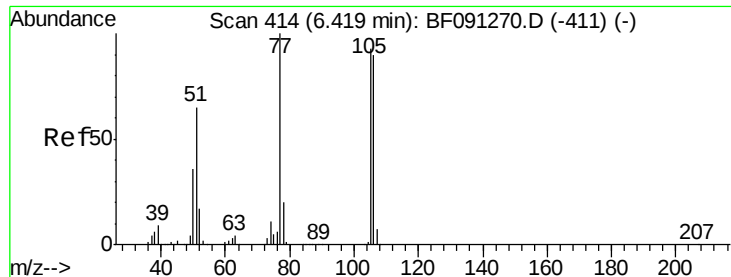
Abundance

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: 36.53 ng

RT: 6.42 min Scan# 362

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

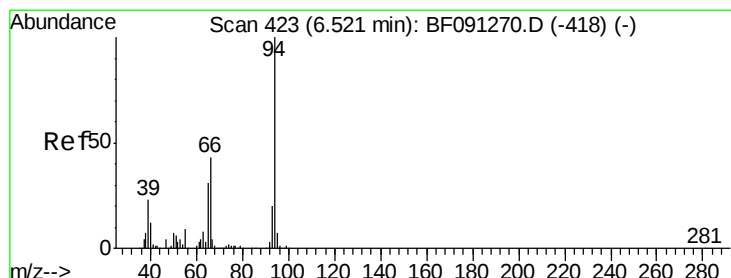
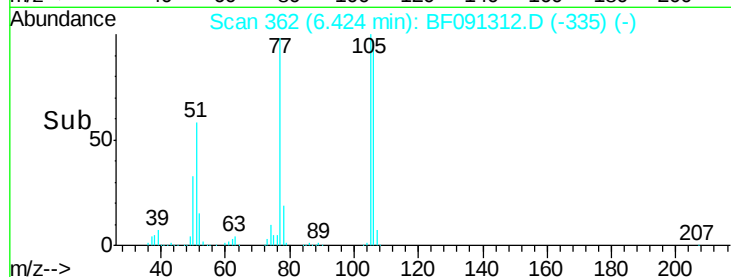
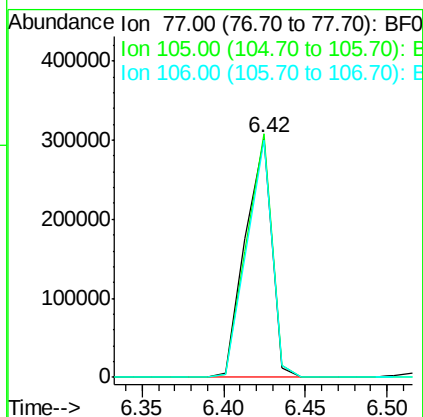
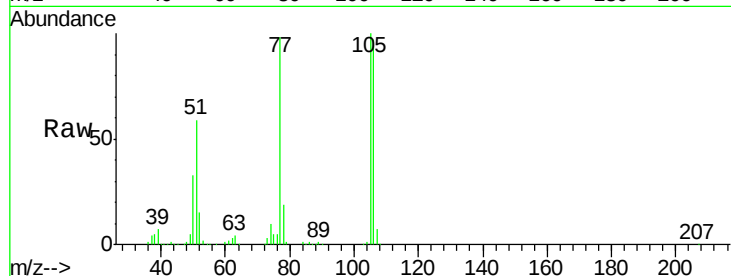
Tot Ion: 77 Resp: 340837

Ion Ratio Lower Upper

77 100

105 101.8 66.4 106.4

106 99.2 60.9 100.9



#10

Phenol

Concen: 36.04 ng

RT: 6.53 min Scan# 371

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

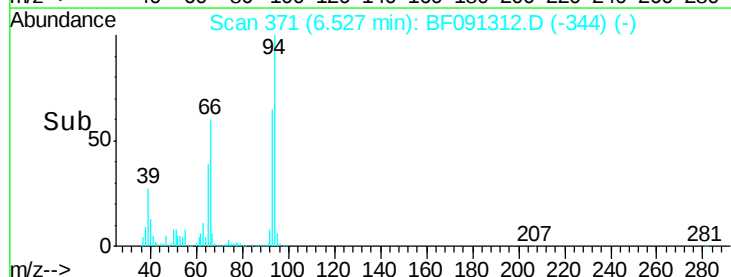
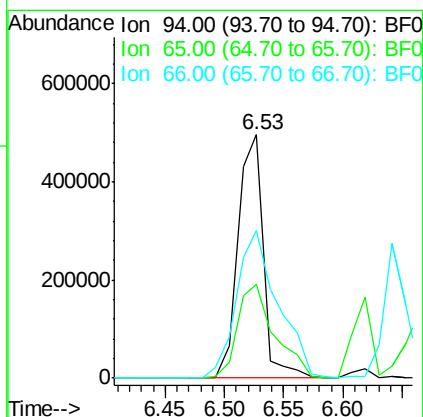
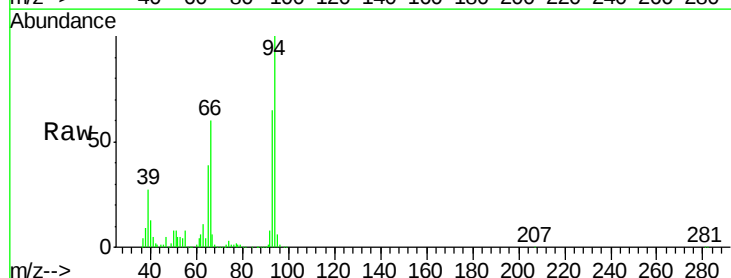
Tgt Ion: 94 Resp: 736844

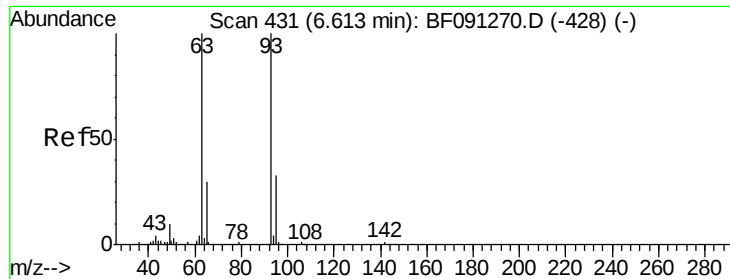
Ion Ratio Lower Upper

94 100

65 38.8 16.9 56.9

66 60.4 30.6 70.6

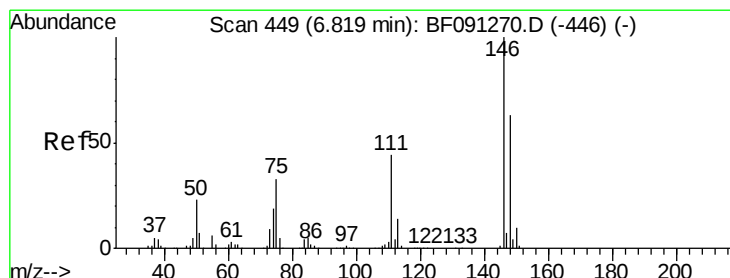
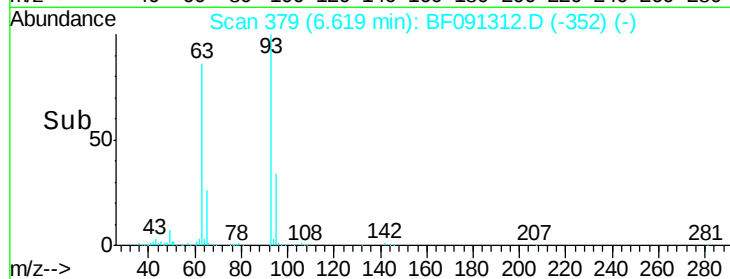
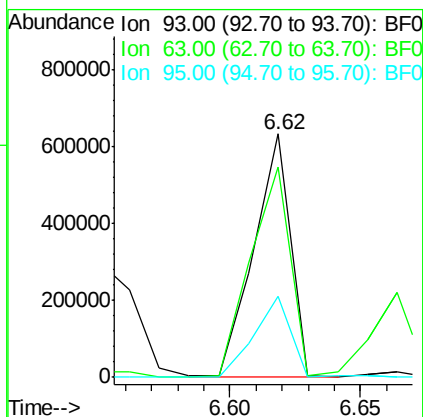
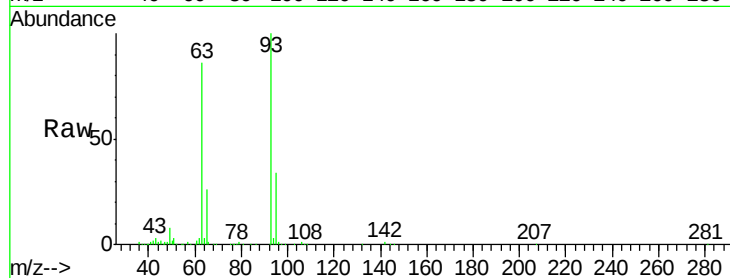




#11
bis(2-Chloroethyl)ether
Concen: 41.28 ng
RT: 6.62 min Scan# 379
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

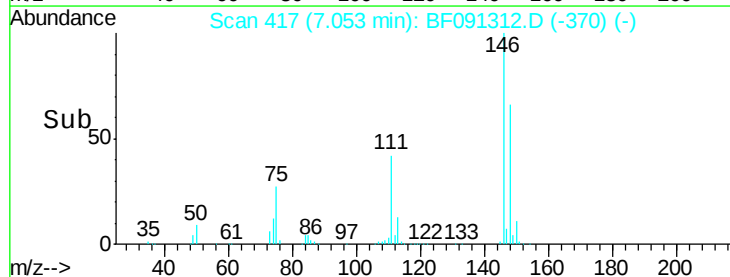
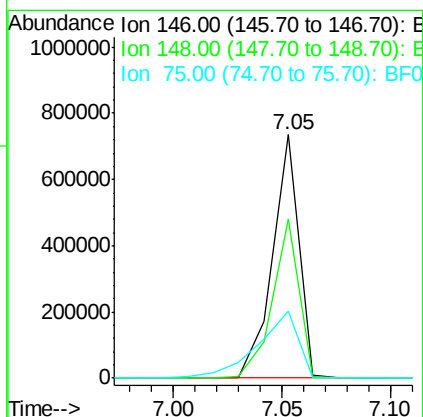
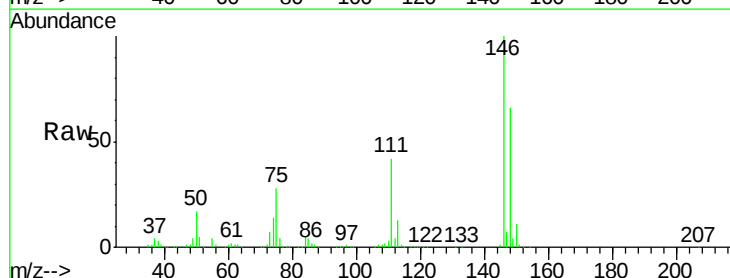
Instrument :
BNA_F
ClientSampleId :

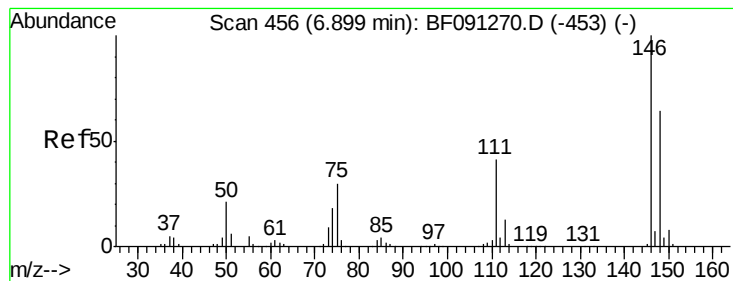
Tot Ion: 93 Resp: 620318
Ion Ratio Lower Upper
93 100
63 86.4 74.8 114.8
95 33.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 37.17 ng
RT: 7.05 min Scan# 417
Delta R.T. 0.23 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion: 146 Resp: 629513
Ion Ratio Lower Upper
146 100
148 65.5 51.4 77.0
75 27.5 23.6 35.4





#13

1,4-Dichlorobenzene

Concen: 36.68 ng

RT: 6.89 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampled :

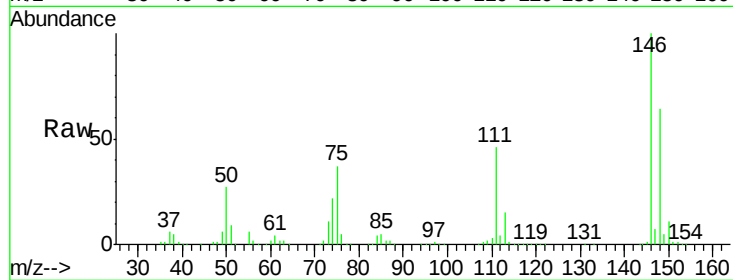
Tot Ion:146 Resp: 635942

Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.0

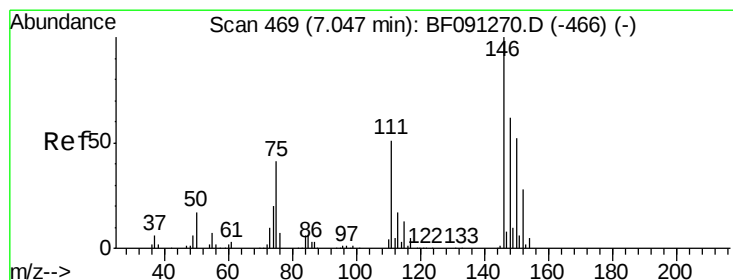
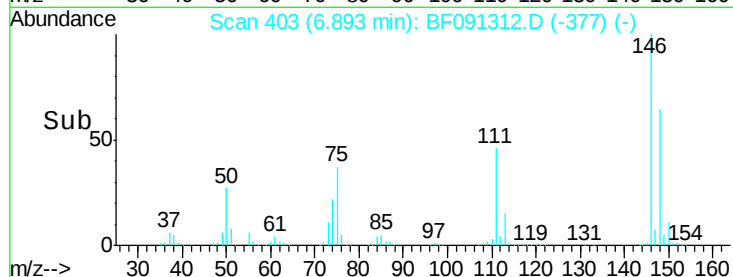
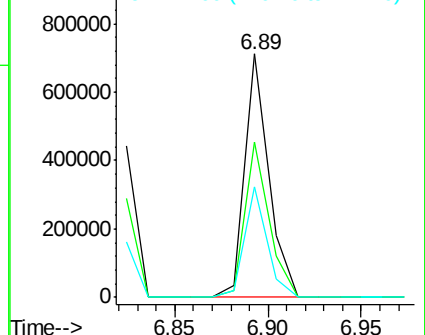
111 45.6 32.2 48.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.27 ng

RT: 7.05 min Scan# 417

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

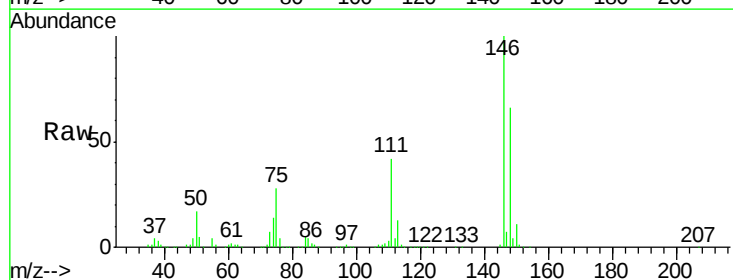
Tgt Ion:146 Resp: 629403

Ion Ratio Lower Upper

146 100

148 65.5 51.0 76.6

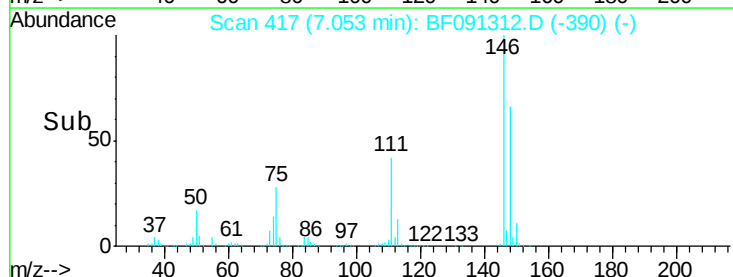
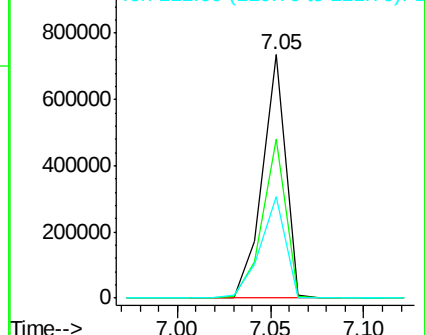
111 41.6 38.9 58.3

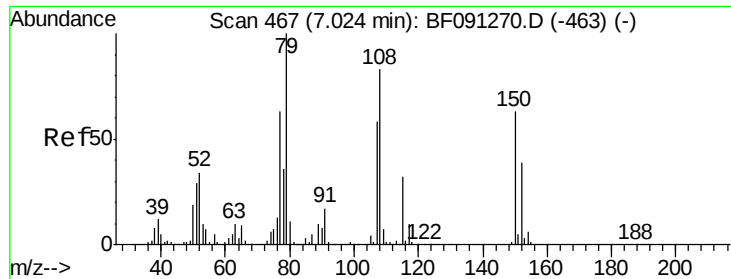


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 35.98 ng

RT: 7.02 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

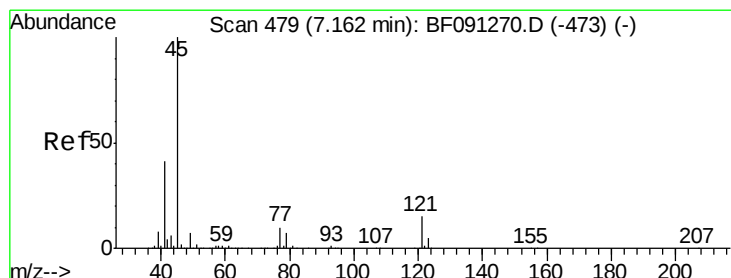
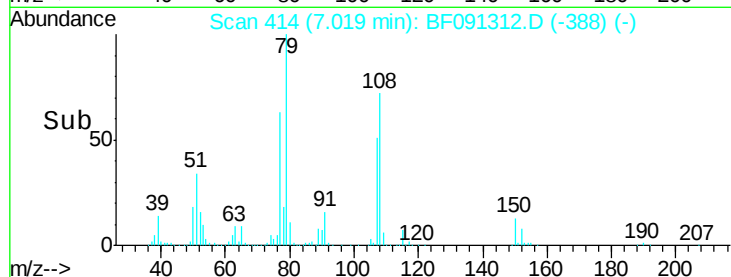
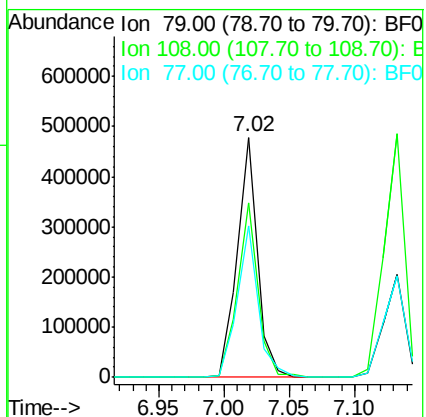
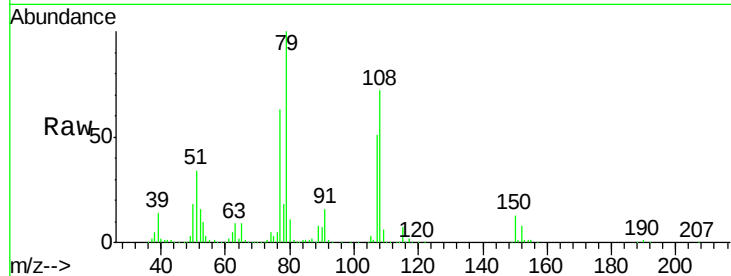
Tot Ion: 79 Resp: 511900

Ion Ratio Lower Upper

79 100

108 72.5 62.7 94.1

77 63.4 51.7 77.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.83 ng

RT: 7.16 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

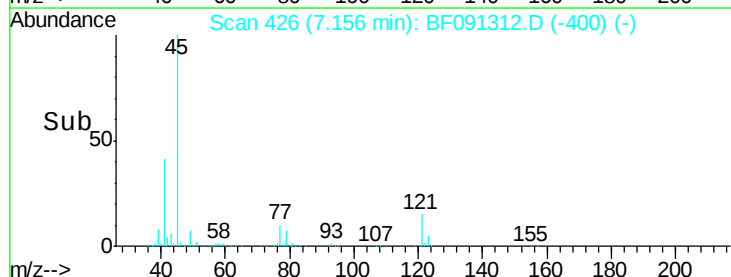
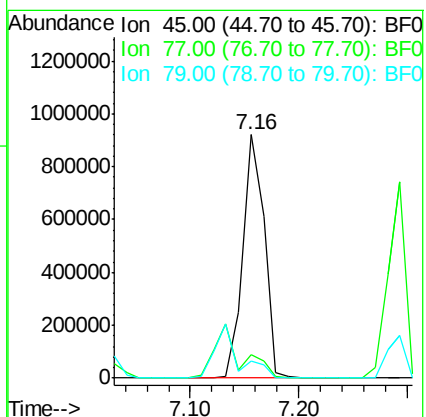
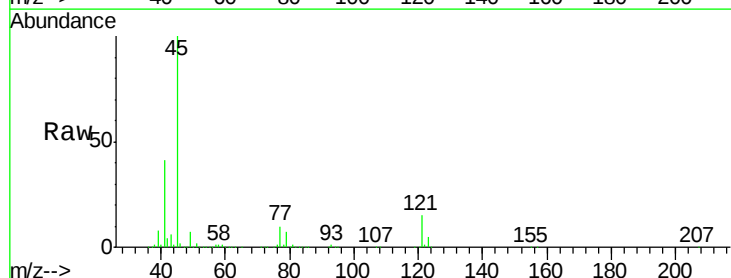
Tgt Ion: 45 Resp: 1246454

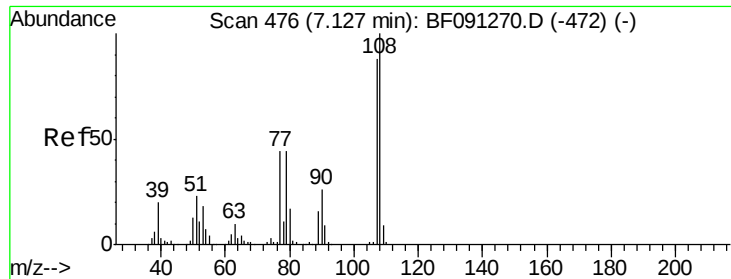
Ion Ratio Lower Upper

45 100

77 9.7 3.8 43.8

79 7.2 0.2 40.2

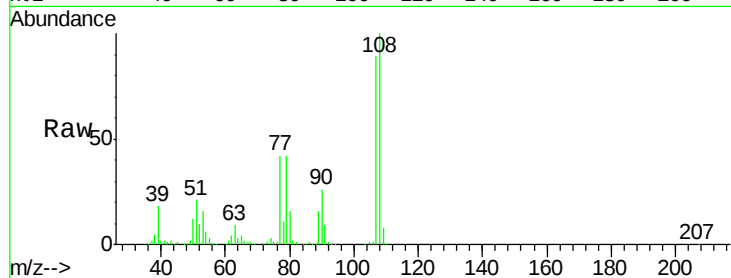




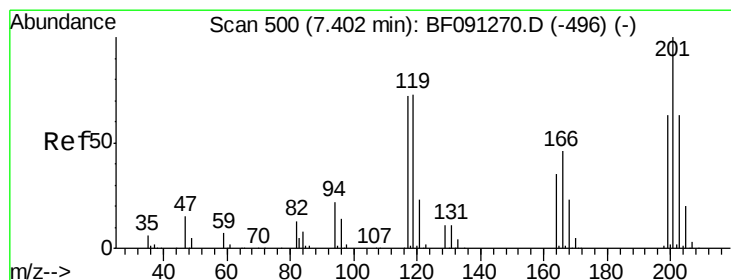
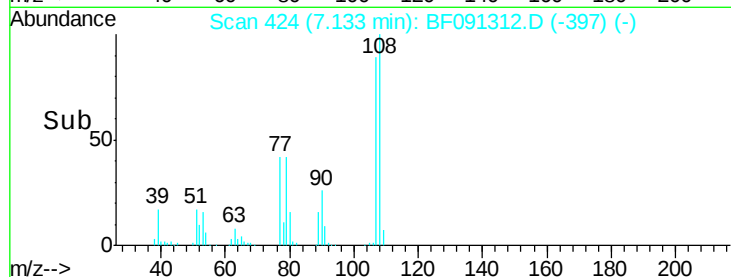
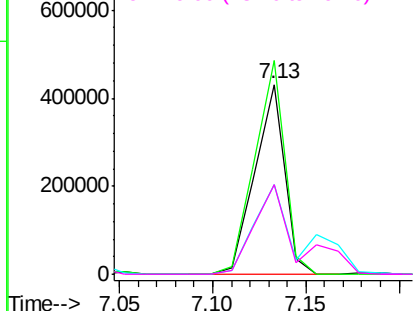
#17
2-Methylphenol
Concen: 38.65 ng
RT: 7.13 min Scan# 424
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 475106
Ion Ratio Lower Upper
107 100
108 112.5 67.7 101.5#
77 47.1 40.7 61.1
79 47.3 23.4 35.2#

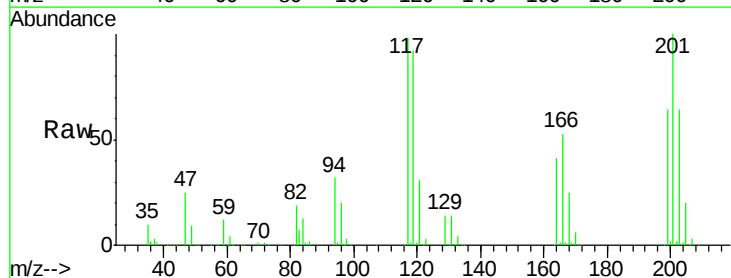


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

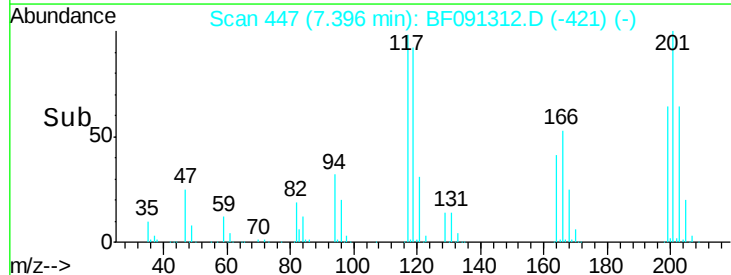
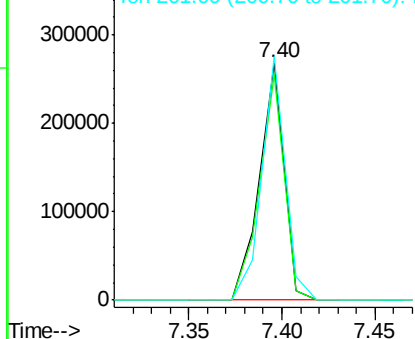


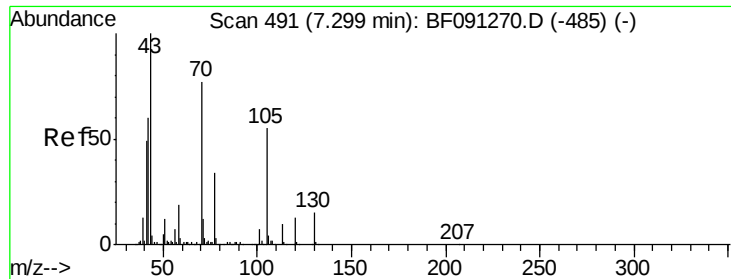
#18
Hexachloroethane
Concen: 39.73 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion:117 Resp: 245241
Ion Ratio Lower Upper
117 100
119 94.7 78.6 118.0
201 102.4 86.7 130.1



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

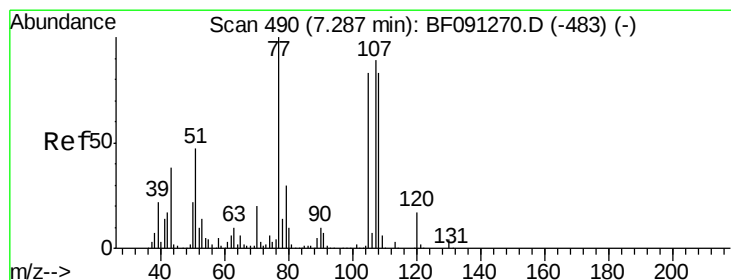
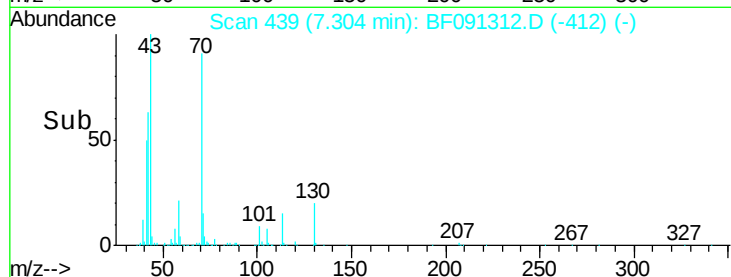
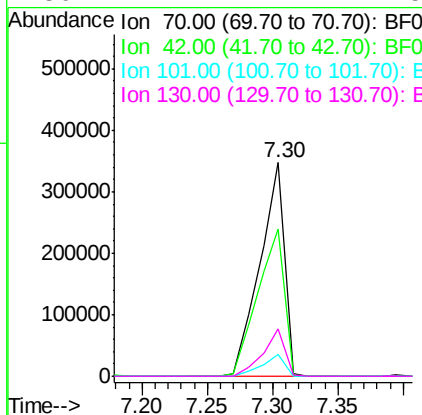
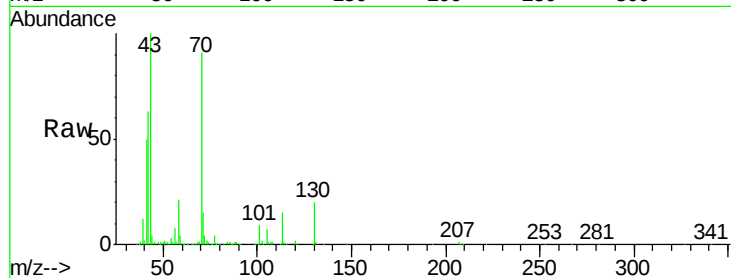




#19
n-Nitroso-di-n-propylamine
Concen: 39.87 ng
RT: 7.30 min Scan# 439
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

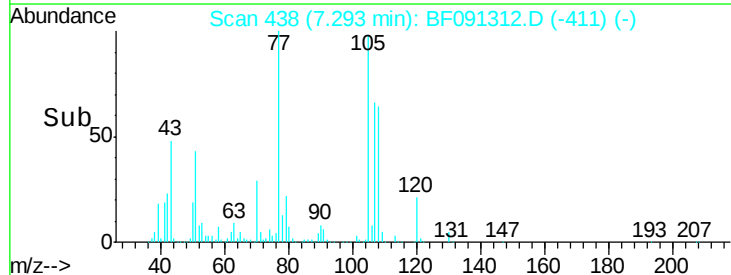
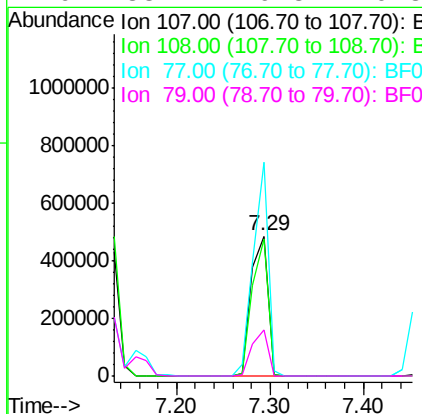
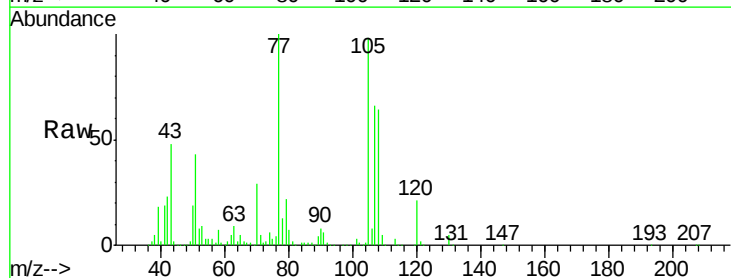
Instrument :
BNA_F
ClientSampleId :

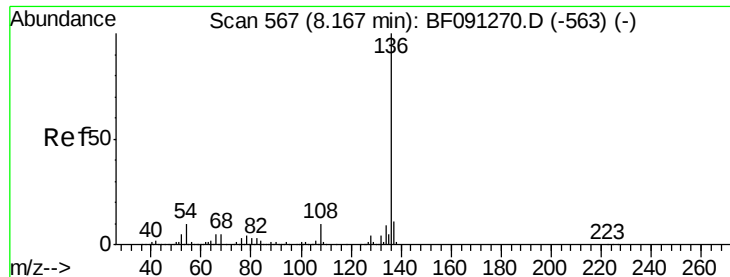
Tot Ion	Ratio	Lower	Upper
70	100		
42	69.2	64.8	97.2
101	10.0	6.2	9.4#
130	22.4	11.7	17.5#



#20
3+4-Methylphenols
Concen: 40.04 ng
RT: 7.29 min Scan# 438
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	97.3	64.6	104.6
77	152.4	30.9	70.9#
79	33.2	9.3	49.3

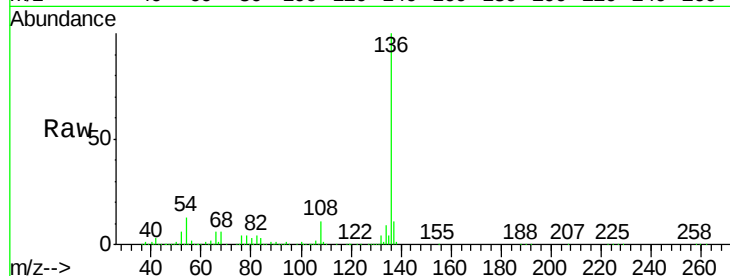




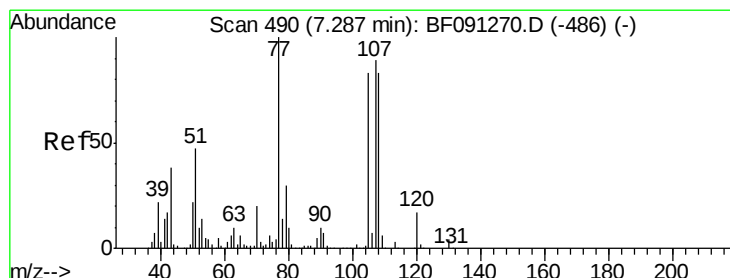
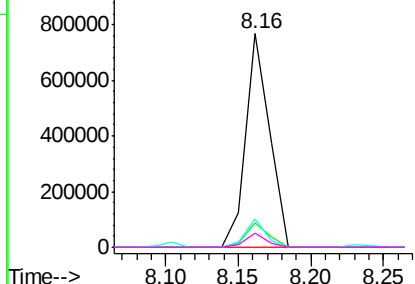
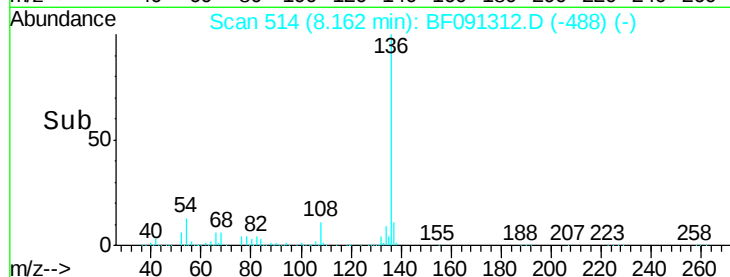
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	870138
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	13.2	9.1 13.7
68	6.5	5.9 8.9

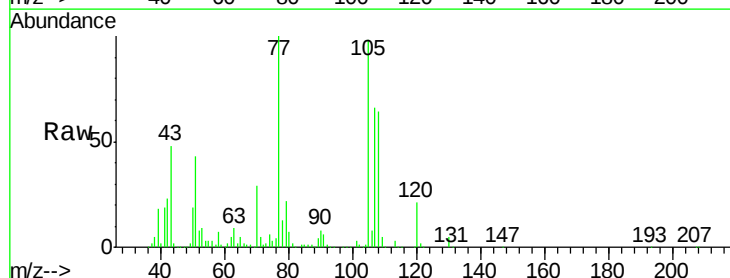


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

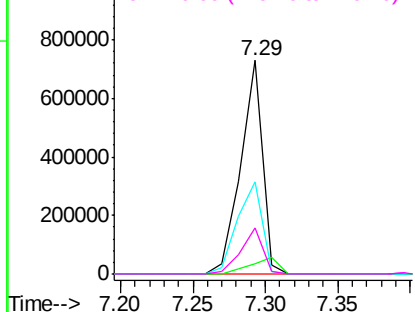
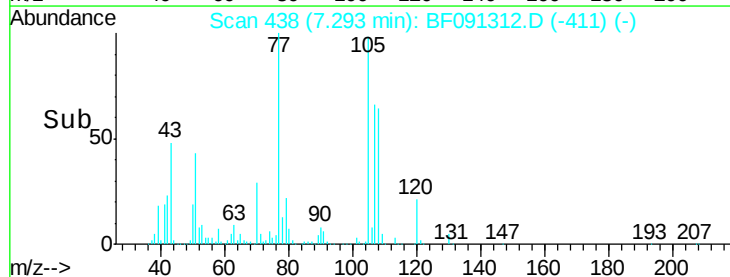


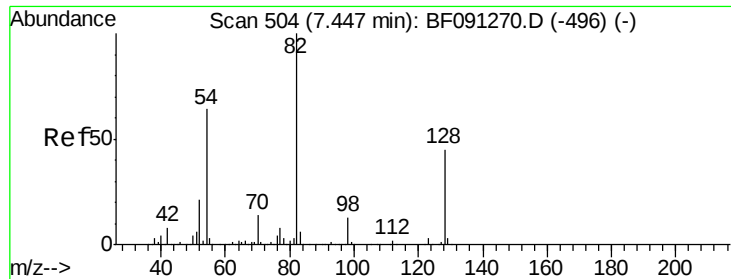
#22
Acetophenone
Concen: 38.85 ng
RT: 7.29 min Scan# 438
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion:105	Resp:	762774
Ion Ratio	Lower	Upper
105	100	
71	4.9	7.9 11.9#
51	43.4	24.5 36.7#
120	21.4	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

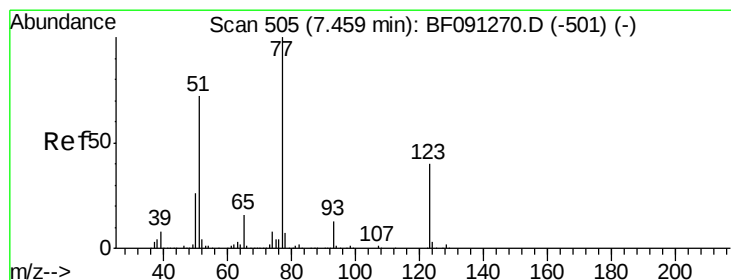
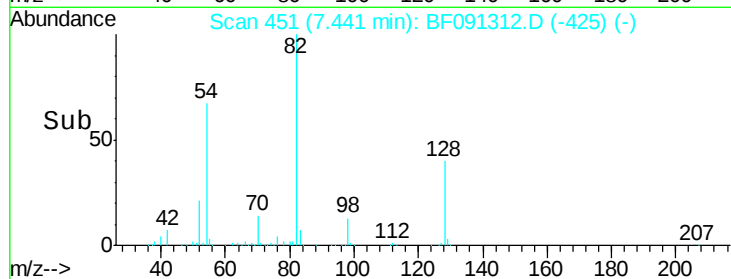
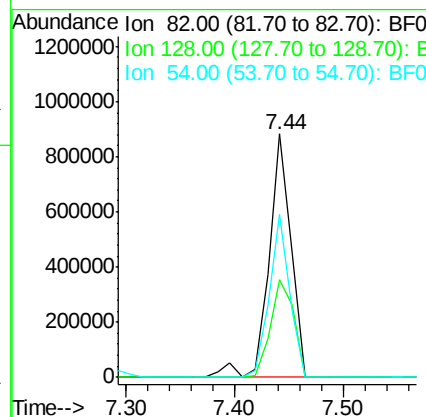
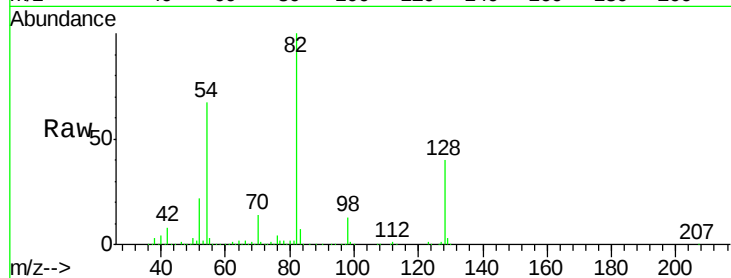




#23
 Nitrobenzene-d5
 Concen: 81.95 ng
 RT: 7.44 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

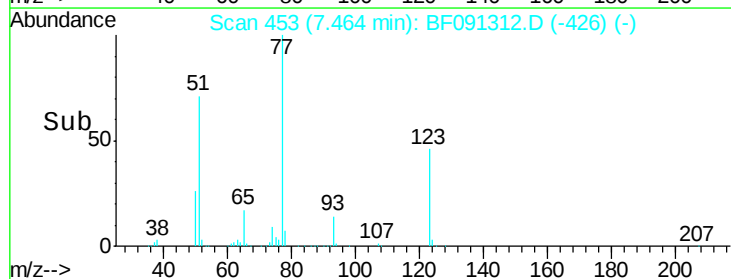
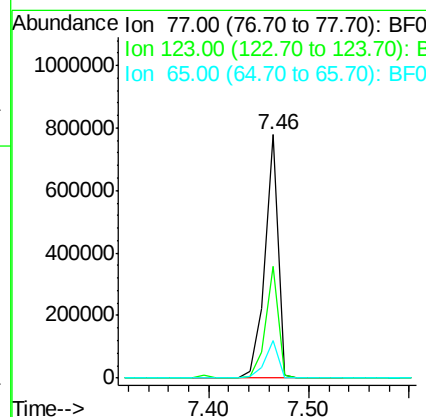
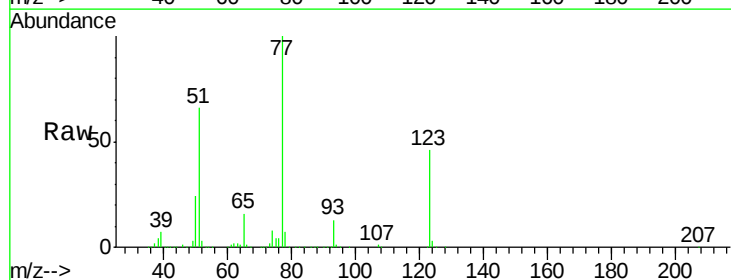
Instrument :
 BNA_F
 ClientSampled :

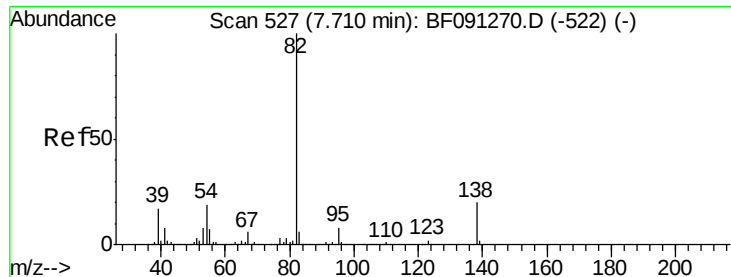
Tot Ion: 82 Resp: 1238577
 Ion Ratio Lower Upper
 82 100
 128 40.4 31.8 47.6
 54 66.8 49.1 73.7



#24
 Nitrobenzene
 Concen: 44.41 ng
 RT: 7.46 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion: 77 Resp: 710272
 Ion Ratio Lower Upper
 77 100
 123 45.8 28.5 42.7#
 65 15.5 12.5 18.7





#25

Isophorone

Concen: 39.31 ng

RT: 7.70 min Scan# 474

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

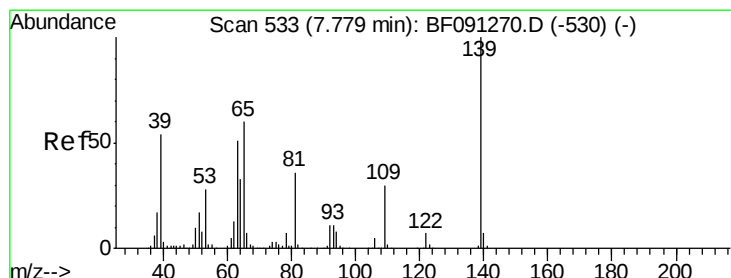
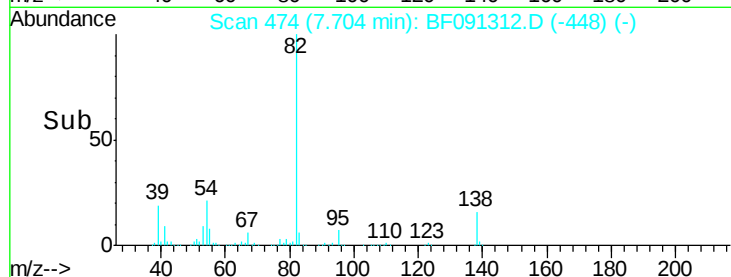
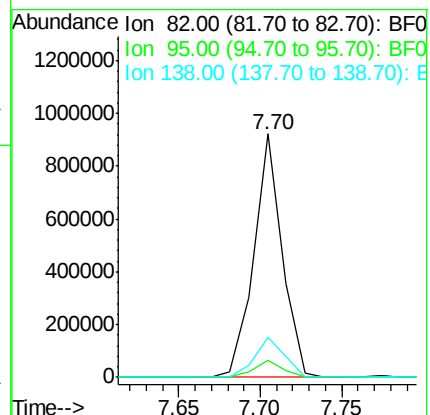
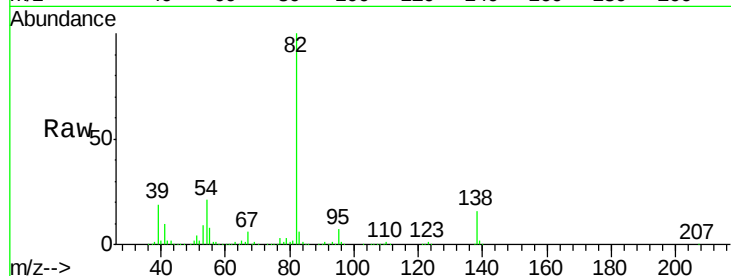
Tot Ion: 82 Resp: 1109989

Ion Ratio Lower Upper

82 100

95 7.2 5.7 8.5

138 16.3 13.4 20.0



#26

2-Nitrophenol

Concen: 47.58 ng

RT: 7.78 min Scan# 481

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

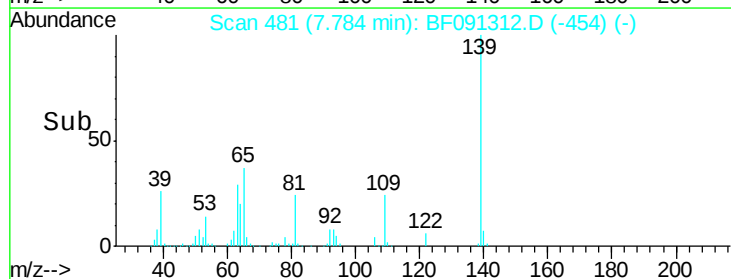
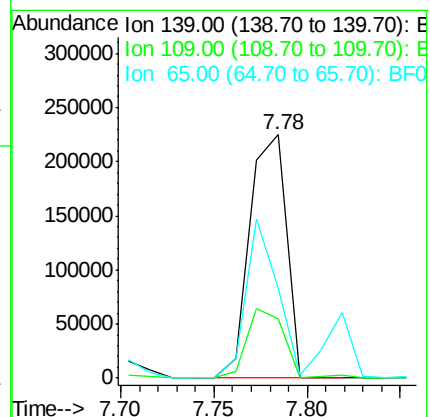
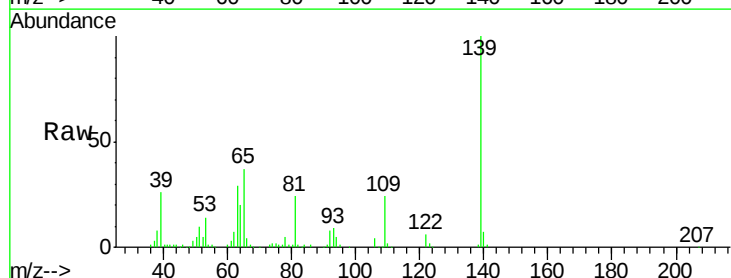
Tgt Ion: 139 Resp: 305182

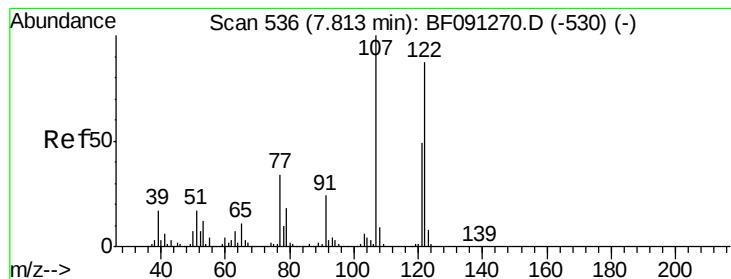
Ion Ratio Lower Upper

139 100

109 24.4 25.3 37.9#

65 37.2 55.4 83.2#





#27

2,4-Dimethylphenol

Concen: 40.38 ng

RT: 7.82 min Scan# 484

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

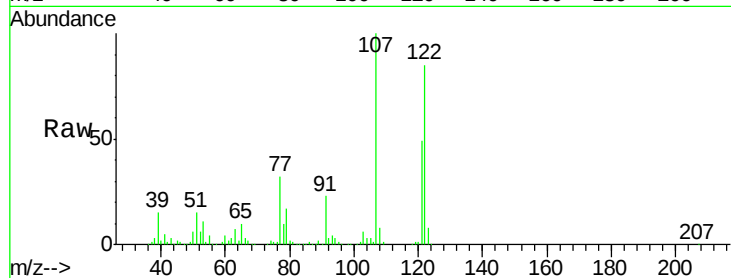
Tot Ion:122 Resp: 543561

Ion Ratio Lower Upper

122 100

107 117.6 96.8 145.2

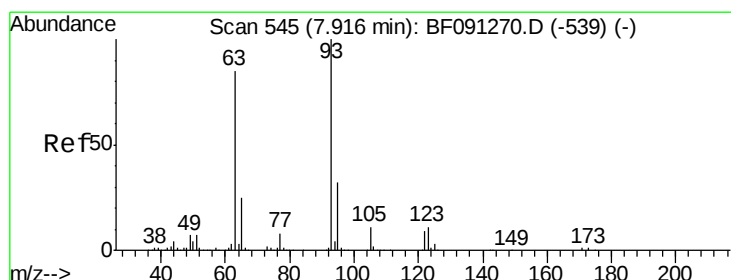
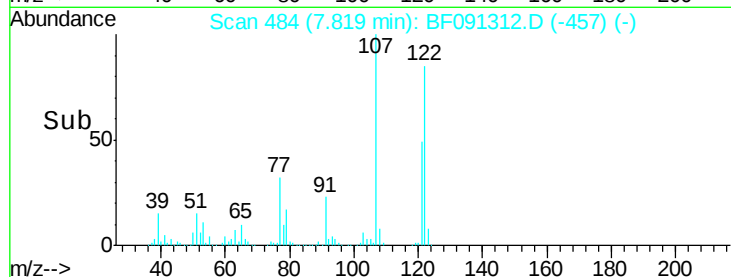
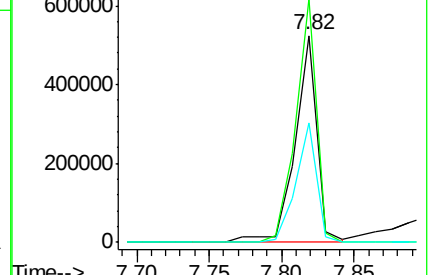
121 57.7 47.7 71.5



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: 41.35 ng

RT: 7.92 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

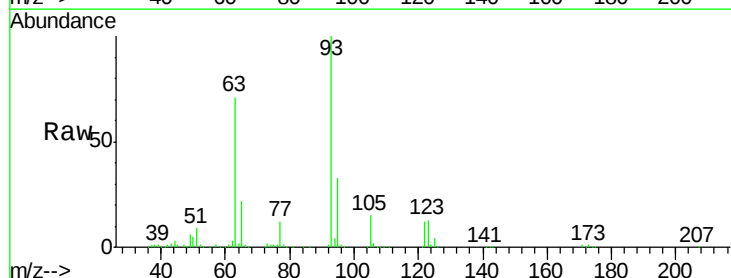
Tgt Ion: 93 Resp: 695098

Ion Ratio Lower Upper

93 100

95 33.4 26.0 39.0

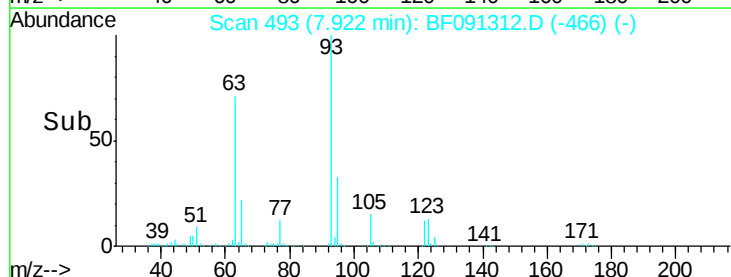
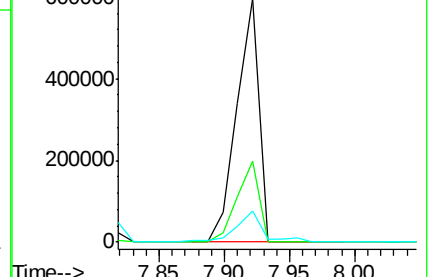
123 12.7 8.6 12.8

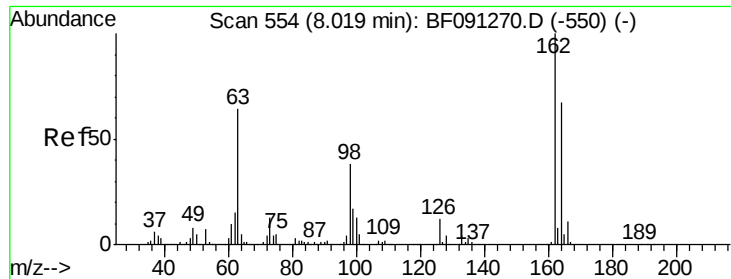


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

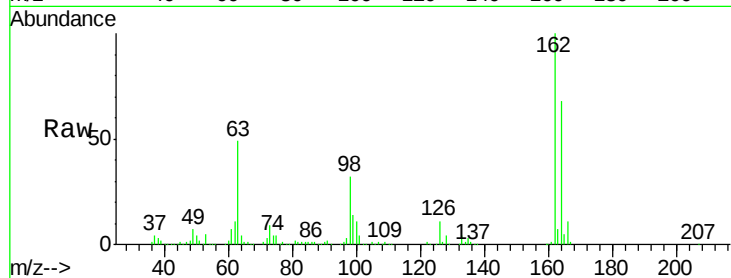




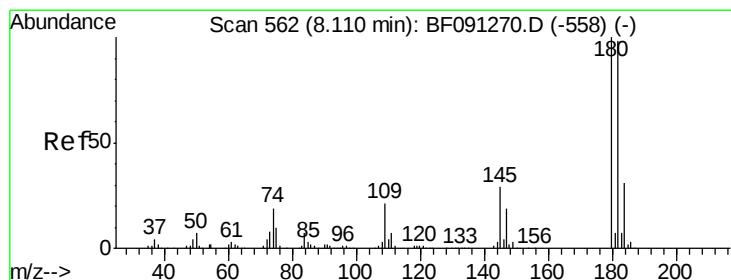
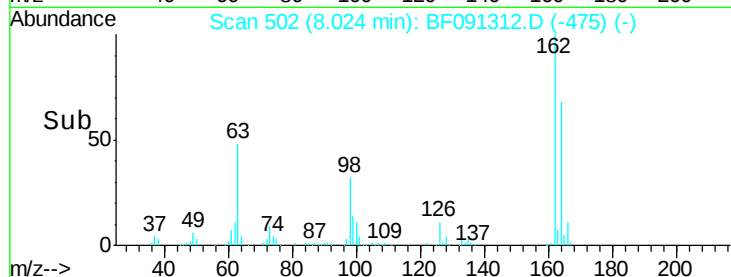
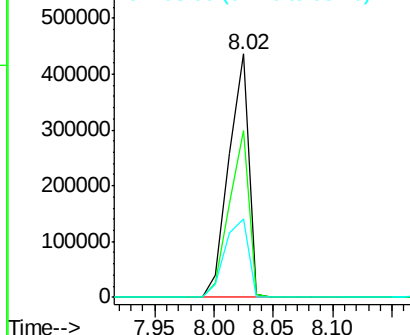
#29
 2,4-Dichlorophenol
 Concen: 42.71 ng
 RT: 8.02 min Scan# 502
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	68.3	45.0	85.0
98	32.4	21.3	61.3

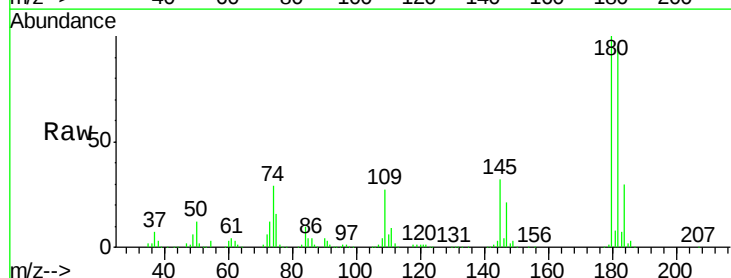


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

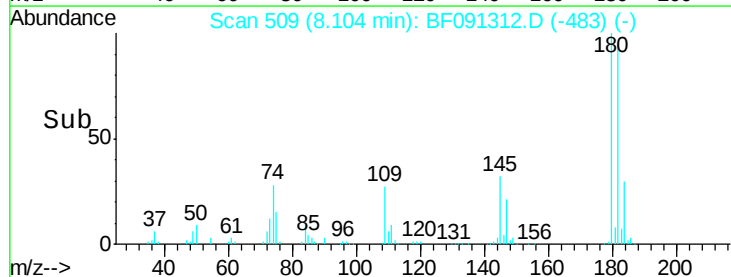
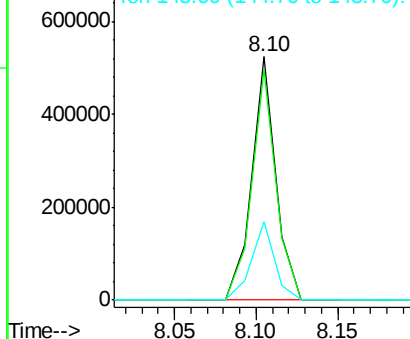


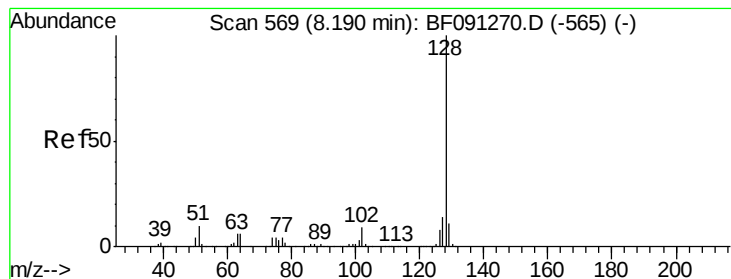
#30
 1,2,4-Trichlorobenzene
 Concen: 39.02 ng
 RT: 8.10 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.8
145	32.4	27.0	40.4



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: 37.39 ng

RT: 8.18 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

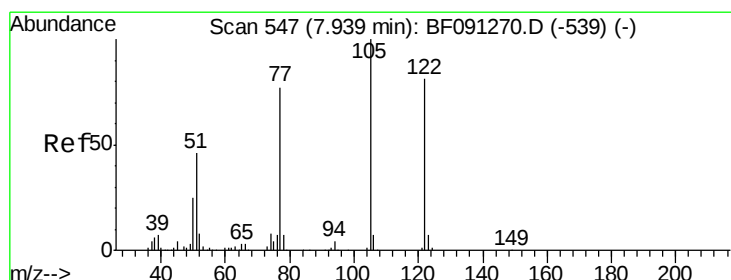
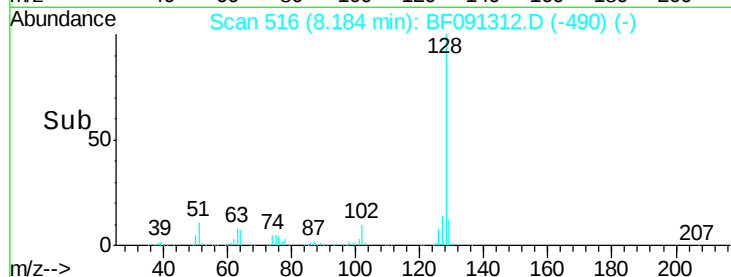
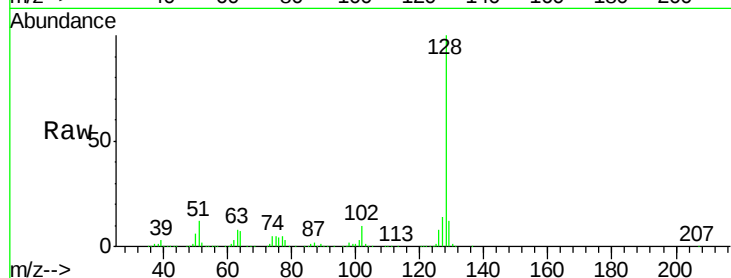
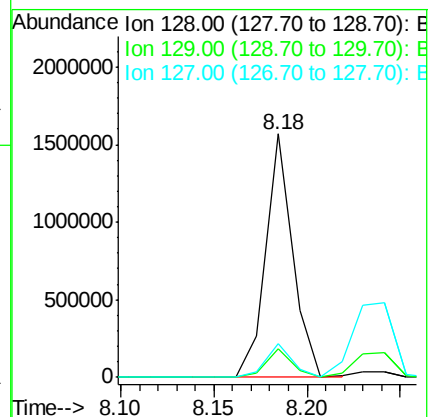
Instrument :

BNA_F

ClientSampleId :

Tot Ion:128 Resp: 1565020

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.1	13.7
127	13.6	11.0	16.4



#32

Benzoic acid

Concen: 44.70 ng

RT: 7.96 min Scan# 496

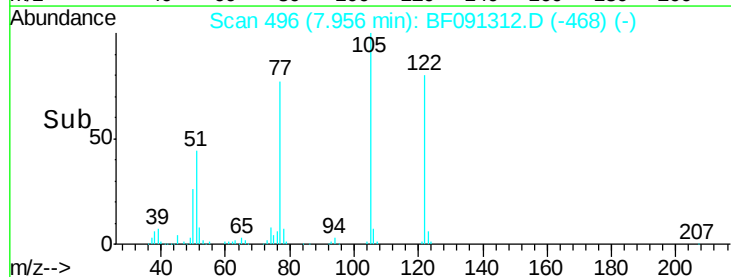
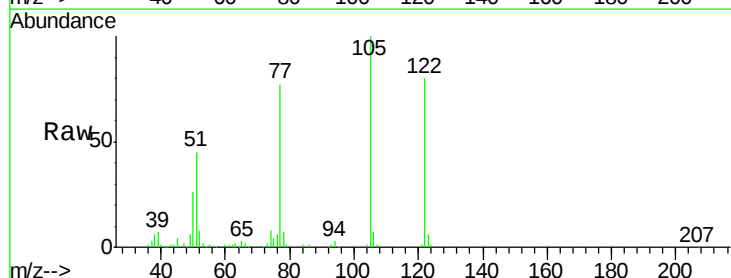
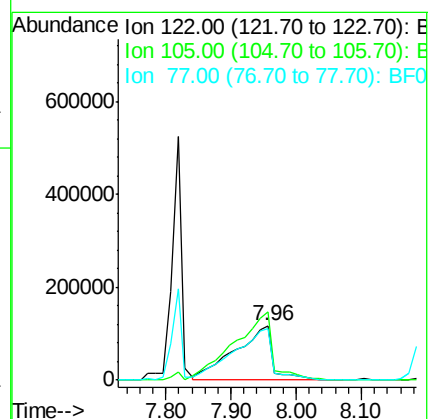
Delta R.T. 0.02 min

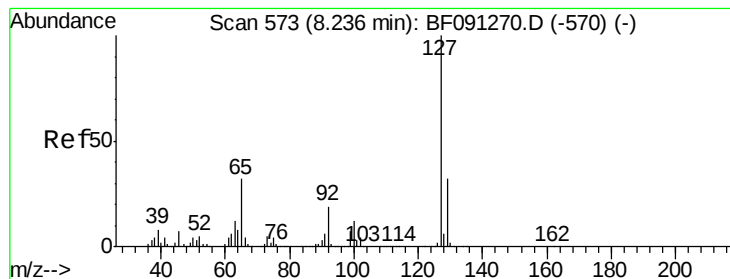
Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Tgt Ion:122 Resp: 473824

Ion	Ratio	Lower	Upper
122	100		
105	124.8	113.0	153.0
77	95.6	82.0	122.0





#33

4-Chloroaniline

Concen: 40.88 ng

RT: 8.24 min Scan# 521

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 744325

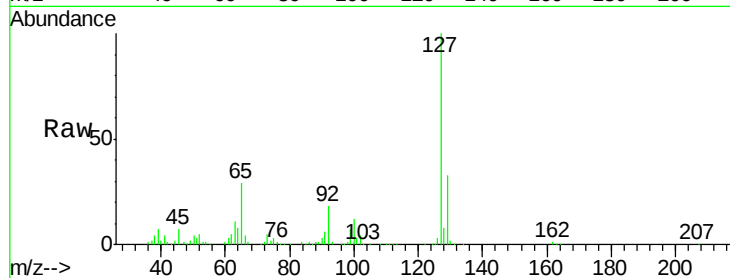
Ion Ratio Lower Upper

127 100

129 32.8 26.2 39.4

65 29.4 26.6 39.8

92 18.1 15.4 23.0

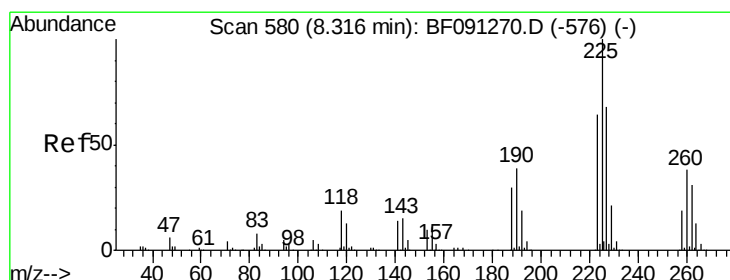
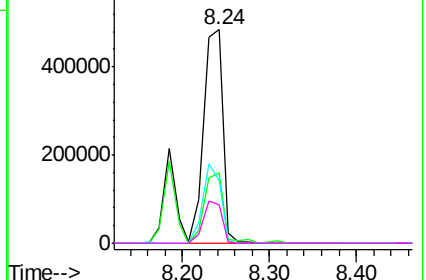
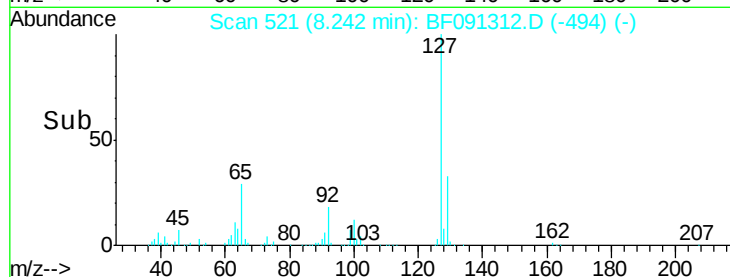


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 41.55 ng

RT: 8.31 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

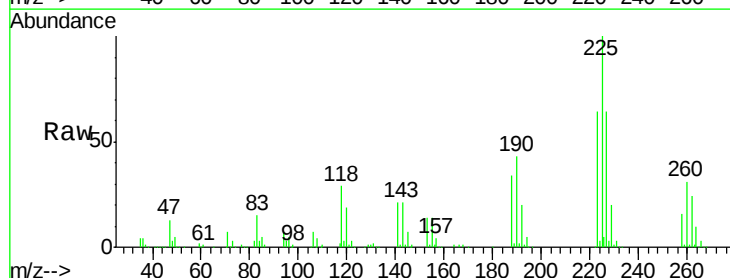
Tgt Ion:225 Resp: 336599

Ion Ratio Lower Upper

225 100

223 63.5 49.8 74.6

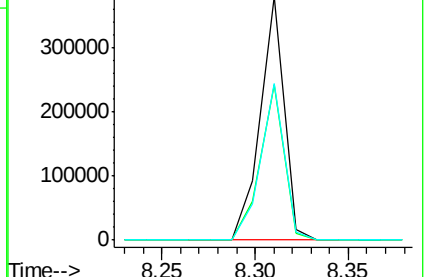
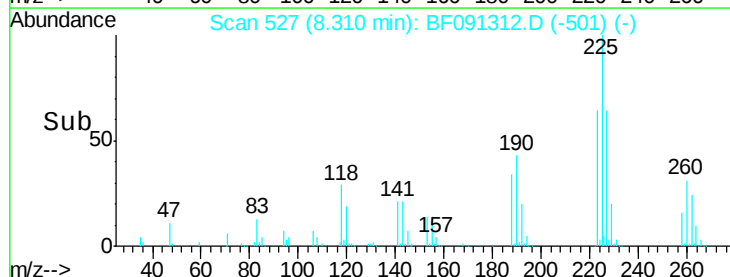
227 64.2 52.6 79.0

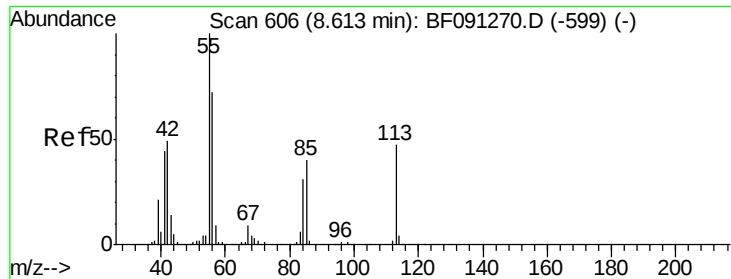


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

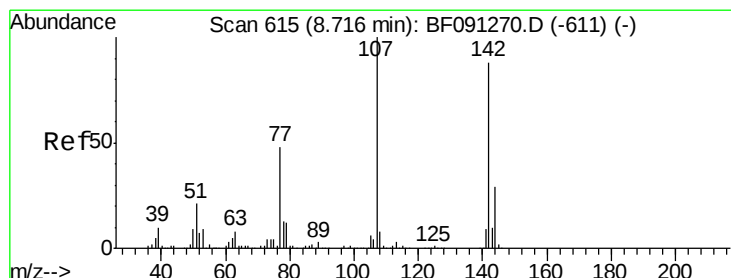
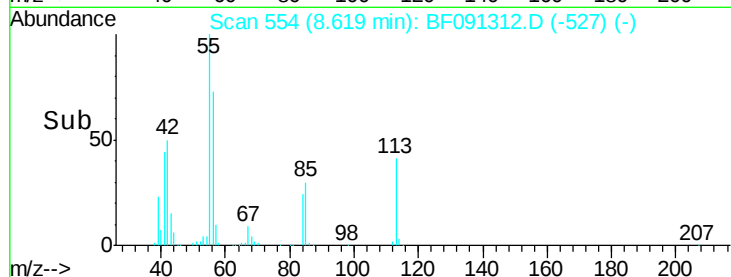
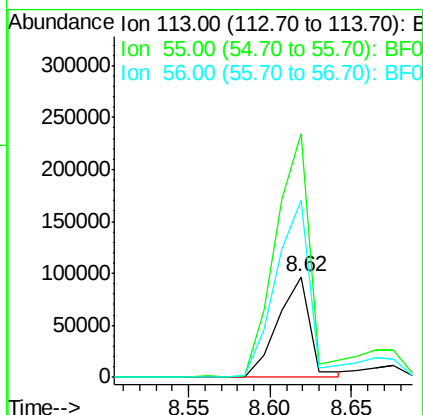
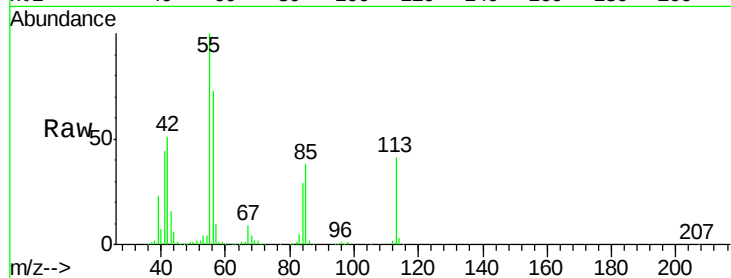




#35
Caprolactam
Concen: 36.13 ng
RT: 8.62 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

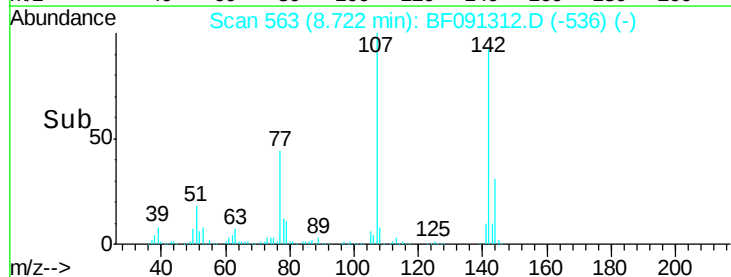
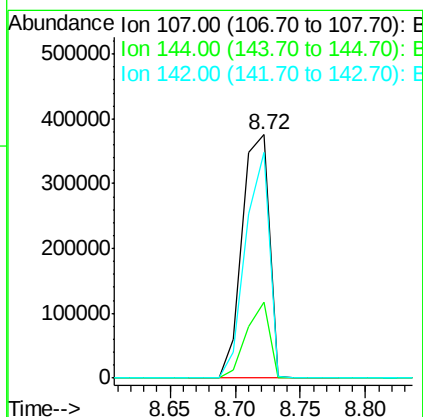
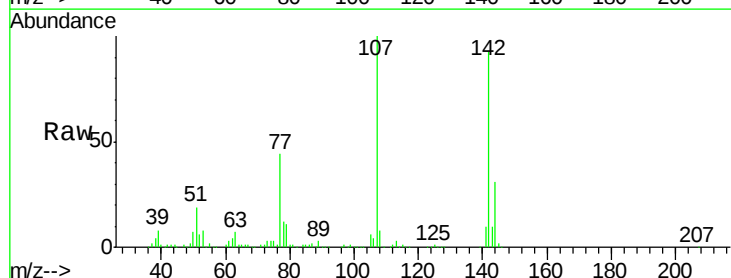
Instrument :
BNA_F
ClientSampleId :

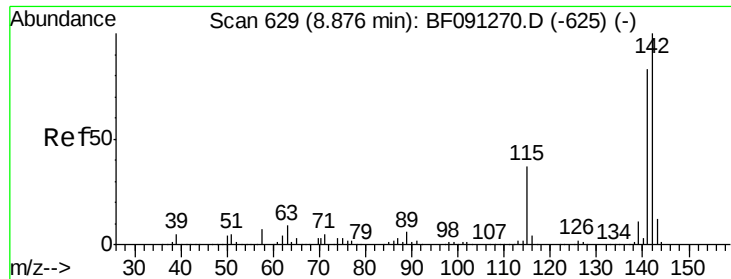
Tot Ion:113 Resp: 132517
Ion Ratio Lower Upper
113 100
55 242.8 239.8 279.8
56 176.7 165.6 205.6



#36
4-Chloro-3-methylphenol
Concen: 42.30 ng
RT: 8.72 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion:107 Resp: 540748
Ion Ratio Lower Upper
107 100
144 31.0 18.9 28.3#
142 92.7 58.5 87.7#

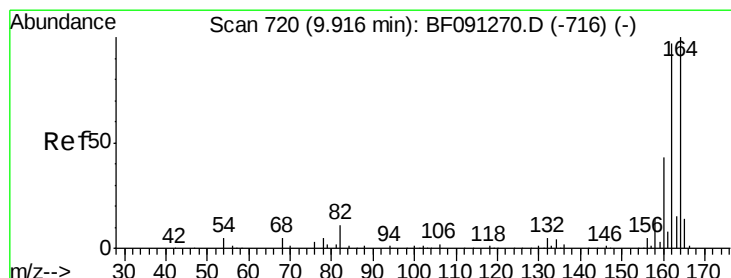
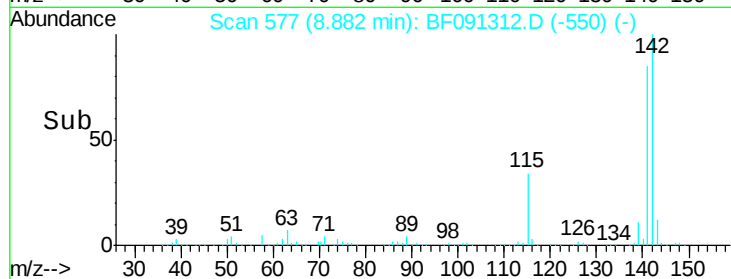
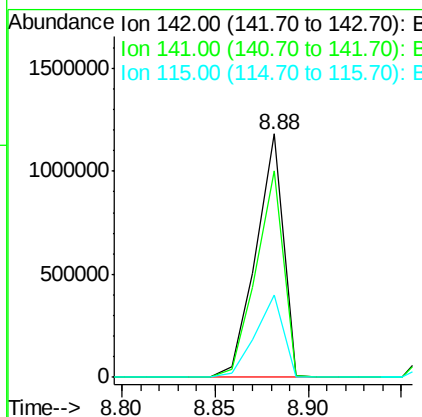
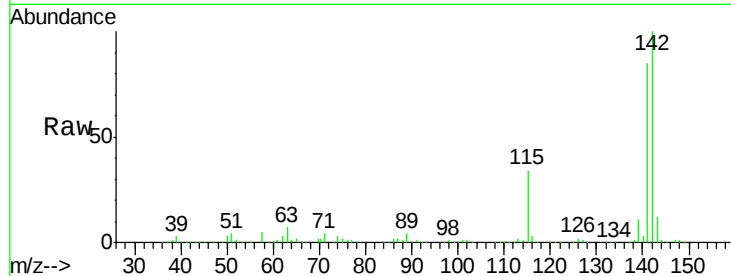




#37
 2-Methylnaphthalene
 Concen: 41.75 ng
 RT: 8.88 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

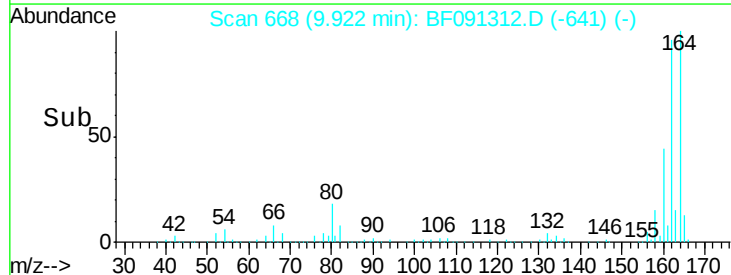
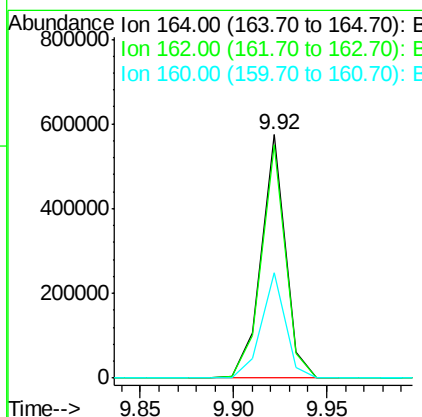
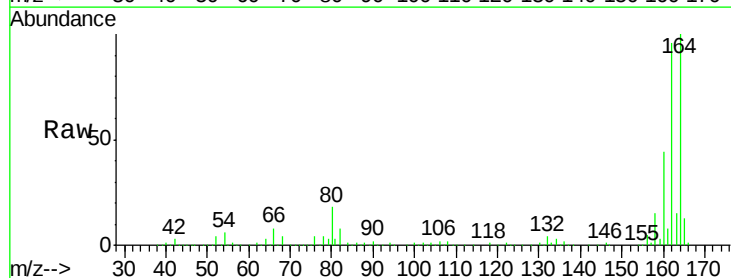
Instrument :
 BNA_F
 ClientSampleId :

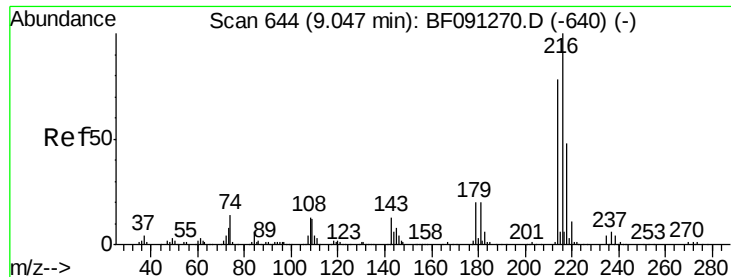
Tot Ion:142 Resp: 1199271
 Ion Ratio Lower Upper
 142 100
 141 84.8 71.7 107.5
 115 33.6 25.0 37.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion:164 Resp: 512828
 Ion Ratio Lower Upper
 164 100
 162 95.6 82.6 124.0
 160 43.5 36.7 55.1

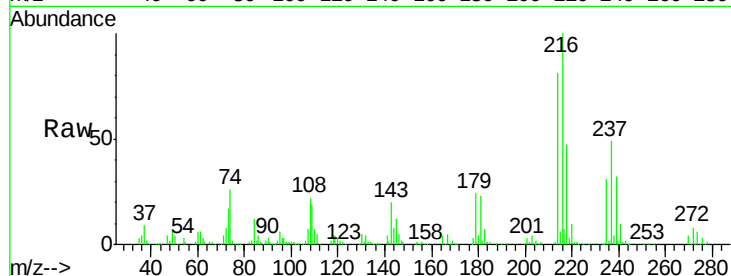




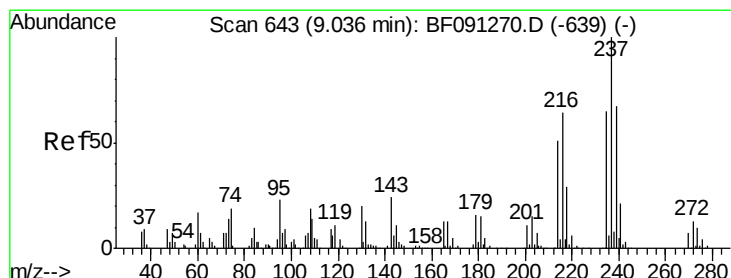
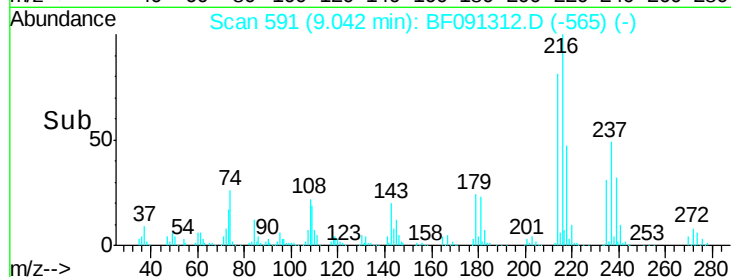
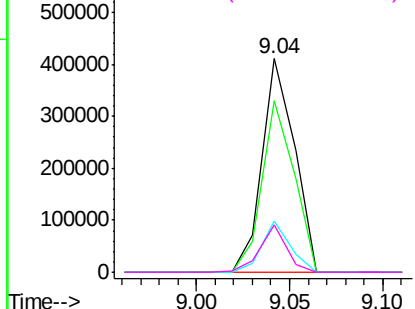
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 35.48 ng
 RT: 9.04 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	216	Resp:	493027
Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.8	95.8
179	21.1	18.2	27.2
108	18.0	17.2	25.8

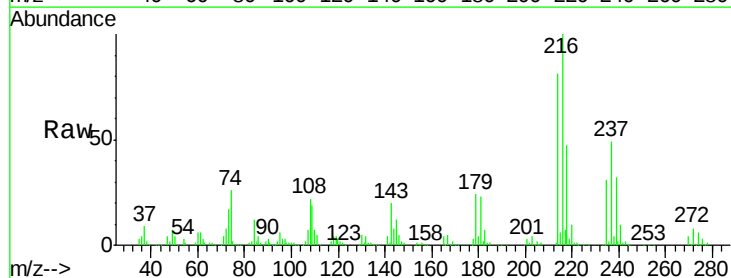


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

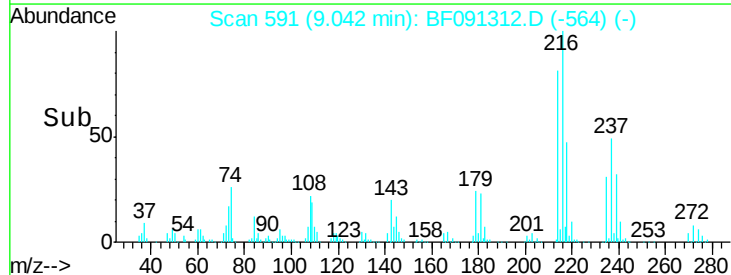
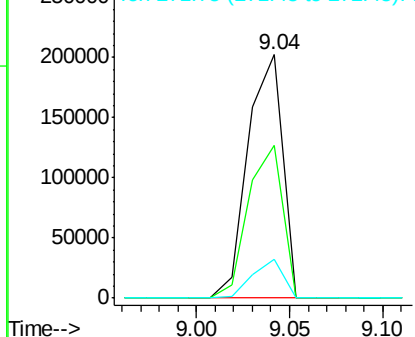


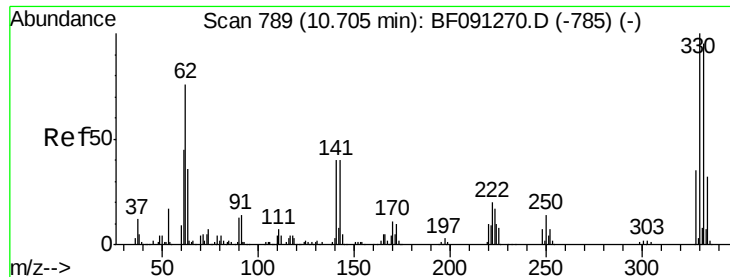
#40
 Hexachlorocyclopentadiene
 Concen: 41.83 ng
 RT: 9.04 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion:	237	Resp:	260198
Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.9	83.9
272	16.0	0.0	33.1



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

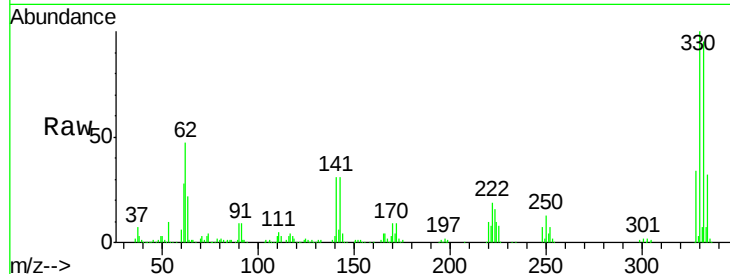




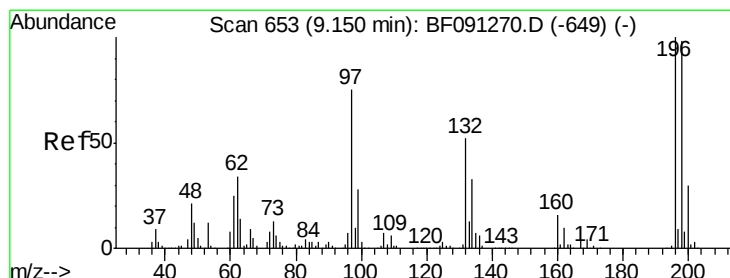
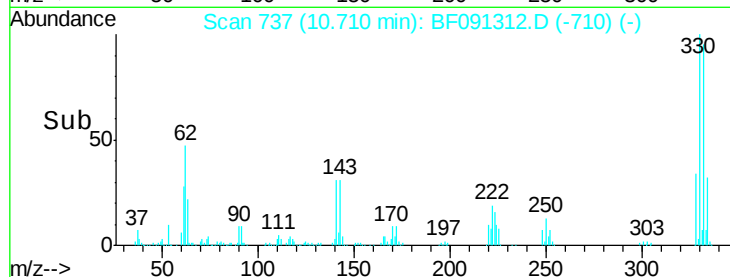
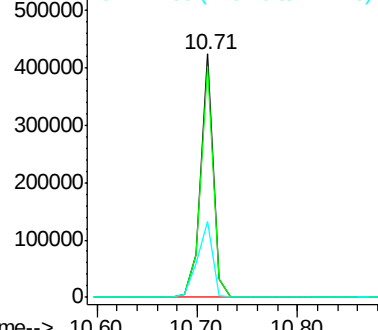
#41
 2,4,6-Tribromophenol
 Concen: 71.96 ng
 RT: 10.71 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 372121
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.2 114.4
 141 36.4 33.6 50.4

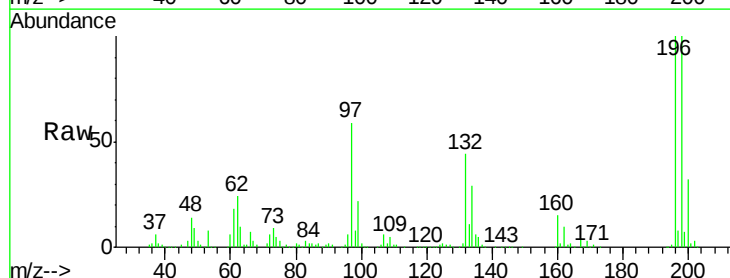


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

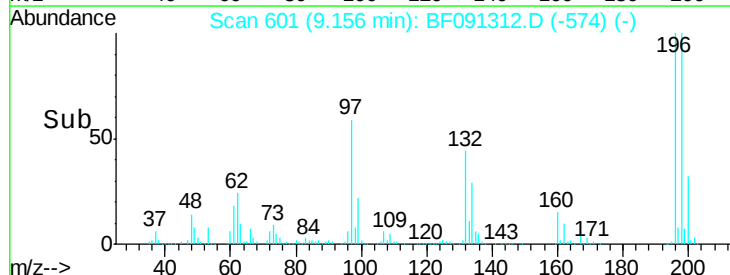
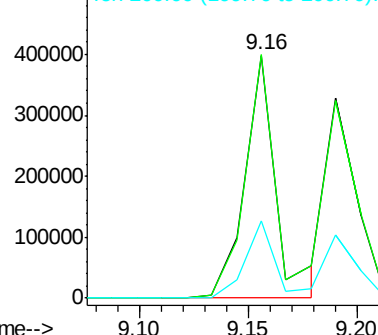


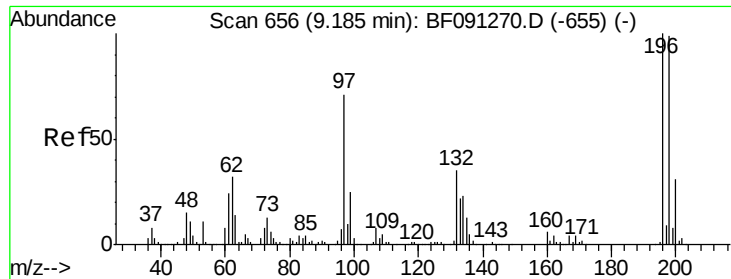
#42
 2,4,6-Trichlorophenol
 Concen: 41.92 ng
 RT: 9.16 min Scan# 601
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion:196 Resp: 401778
 Ion Ratio Lower Upper
 196 100
 198 100.2 77.4 116.0
 200 31.6 25.2 37.8



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

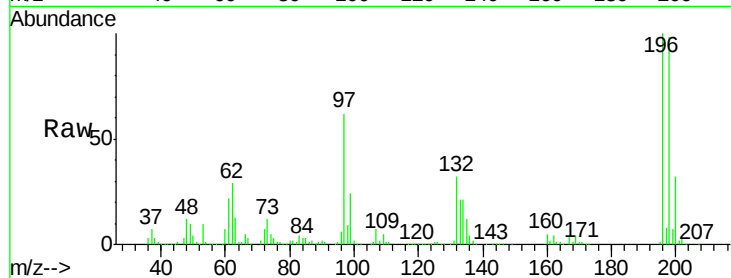




#43
 2,4,5-Trichlorophenol
 Concen: 35.00 ng
 RT: 9.19 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	196	Resp	322302
Ion Ratio	Lower	Upper	
196	100		
198	98.4	77.0	115.6
97	62.1	33.5	50.3#
132	31.7	20.5	30.7#



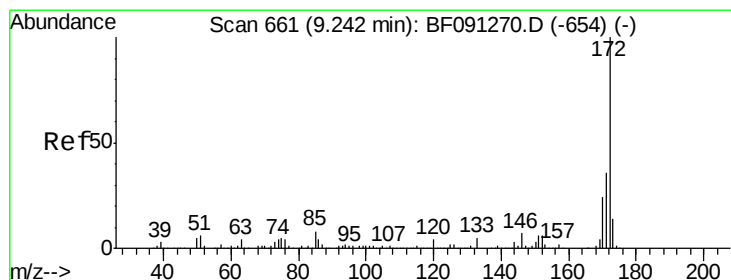
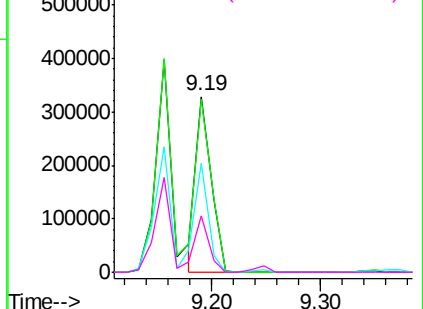
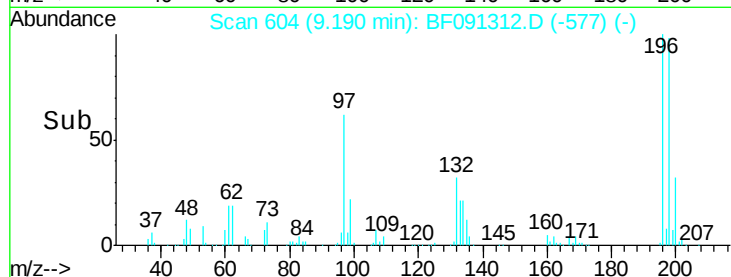
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

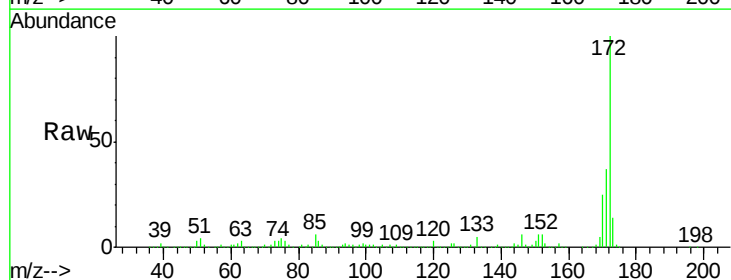
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.28 ng
 RT: 9.25 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion	172	Resp	2294975
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.4	44.0
170	24.9	19.7	29.5

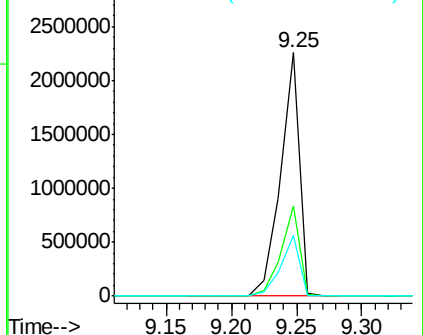
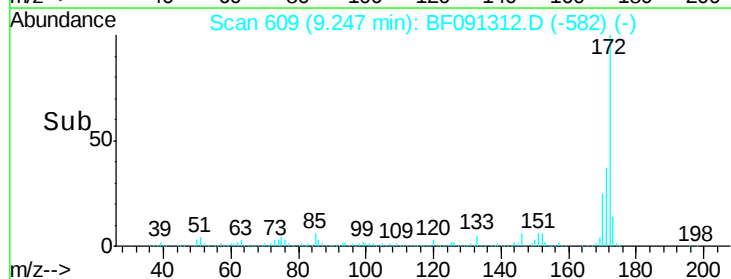


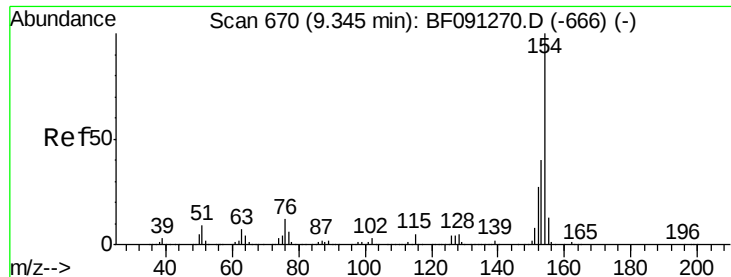
Abundance

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

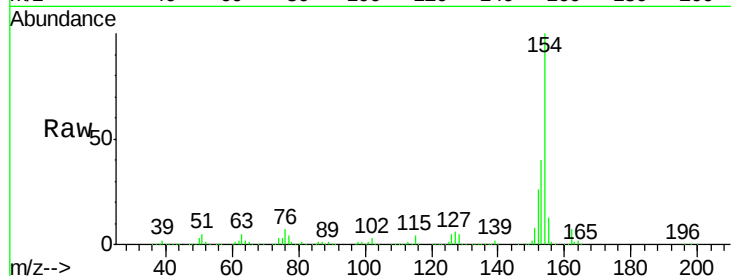




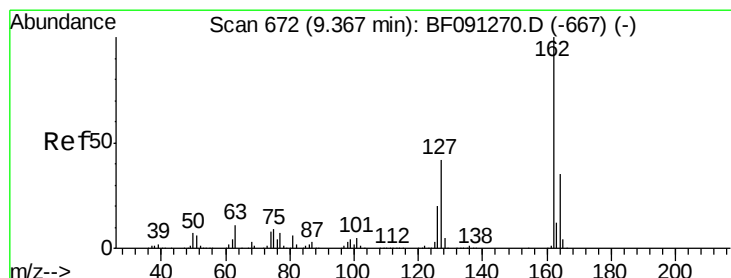
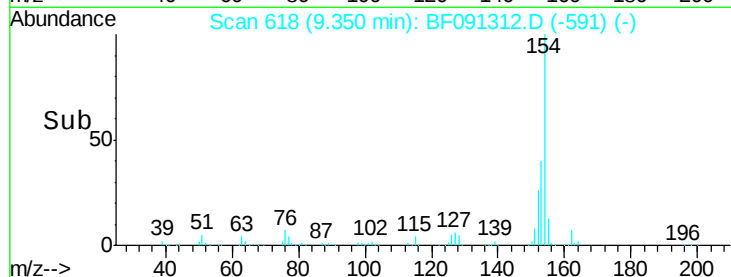
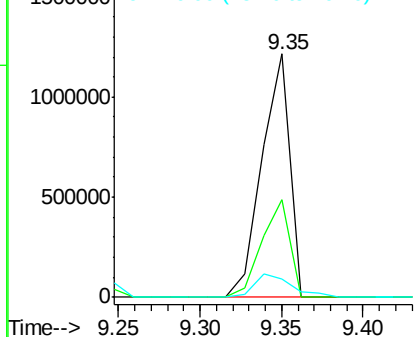
#45
 1,1'-Biphenyl
 Concen: 38.86 ng
 RT: 9.35 min Scan# 618
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 1436844
 Ion Ratio Lower Upper
 154 100
 153 40.2 20.6 60.6
 76 7.3 0.0 36.6

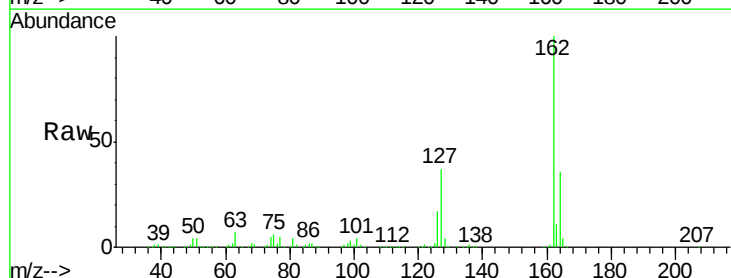


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

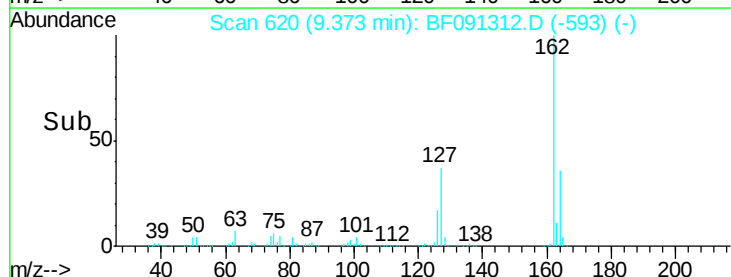
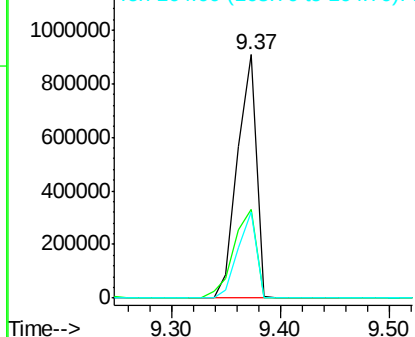


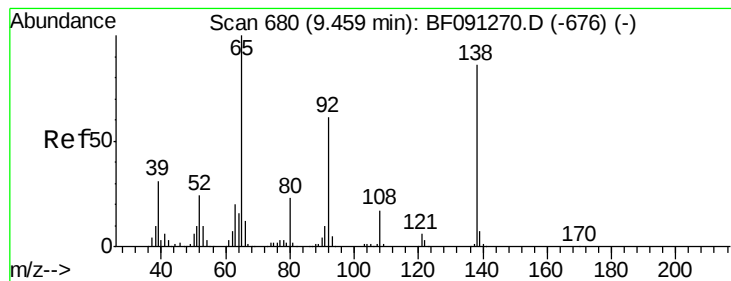
#46
 2-Chloronaphthalene
 Concen: 39.71 ng
 RT: 9.37 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion:162 Resp: 1075499
 Ion Ratio Lower Upper
 162 100
 127 36.7 34.3 51.5
 164 35.6 26.6 40.0



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: 47.36 ng

RT: 9.46 min Scan# 628

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampled :

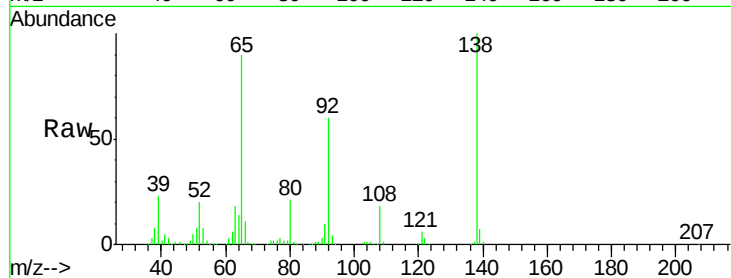
Tot Ion: 65 Resp: 435238

Ion Ratio Lower Upper

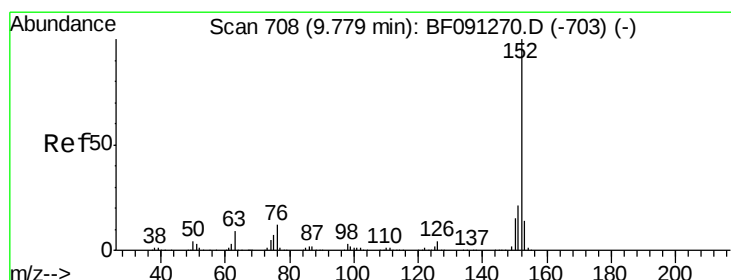
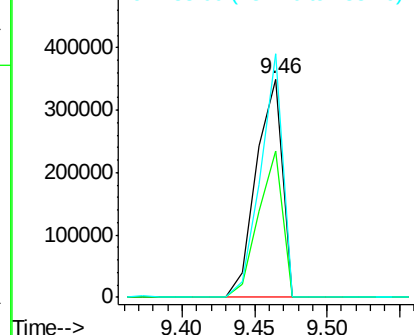
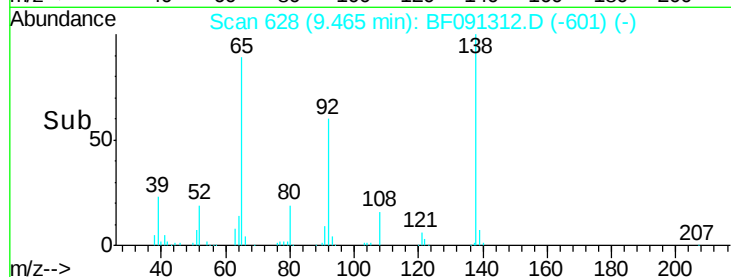
65 100

92 67.1 53.6 80.4

138 111.4 91.0 136.6



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 38.14 ng

RT: 9.78 min Scan# 656

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

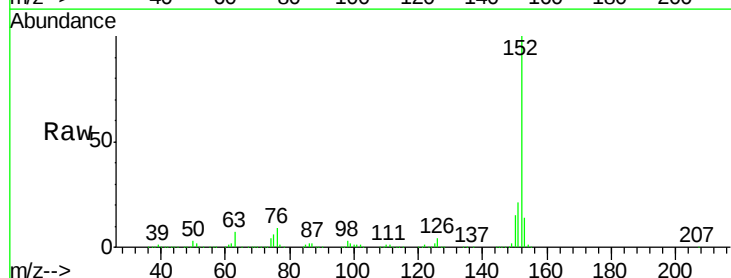
Tgt Ion: 152 Resp: 1655418

Ion Ratio Lower Upper

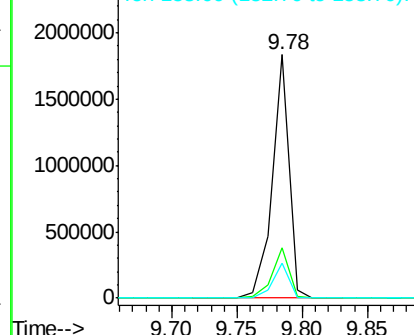
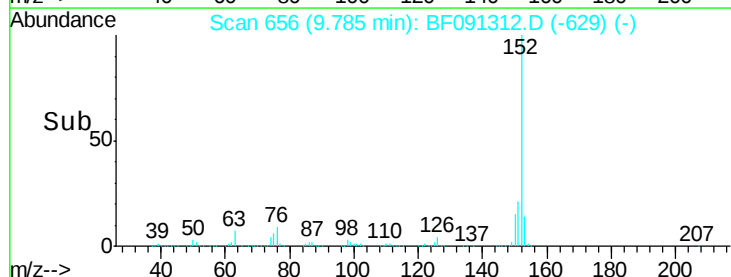
152 100

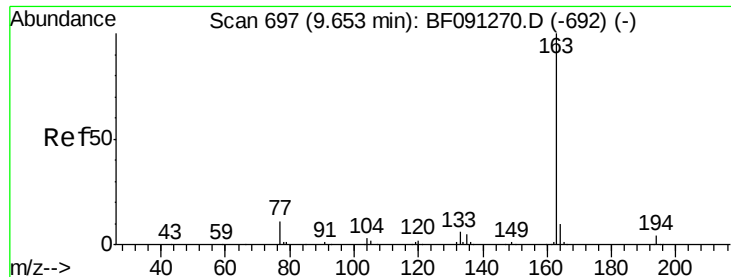
151 20.8 16.6 24.8

153 14.4 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 33.81 ng

RT: 9.65 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampled :

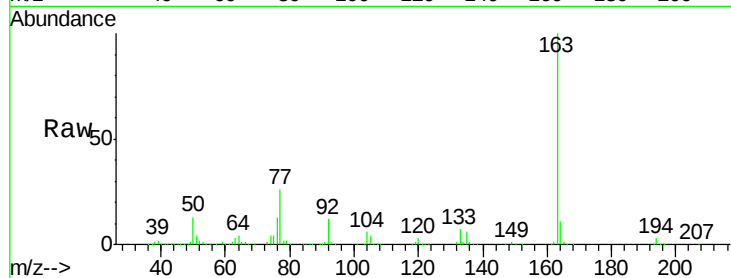
Tot Ion:163 Resp: 1082687

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

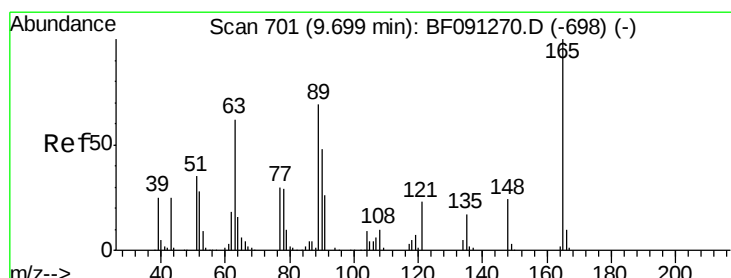
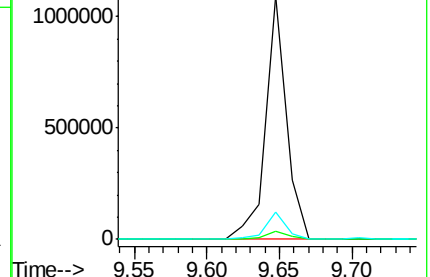
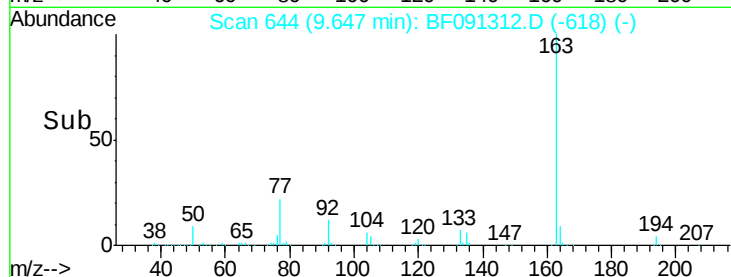
164 11.1 7.8 11.8



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: 38.69 ng

RT: 9.70 min Scan# 649

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

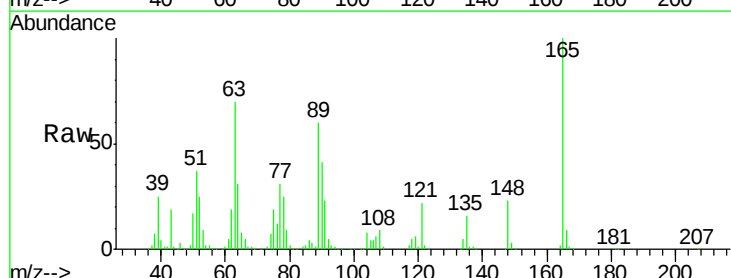
Tgt Ion:165 Resp: 270611

Ion Ratio Lower Upper

165 100

63 70.4 59.4 89.0

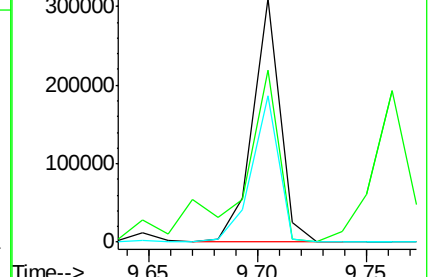
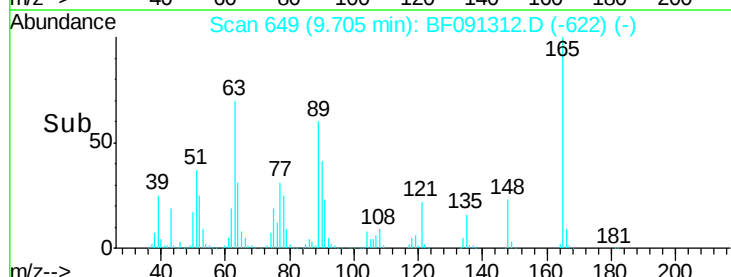
89 60.1 50.8 76.2

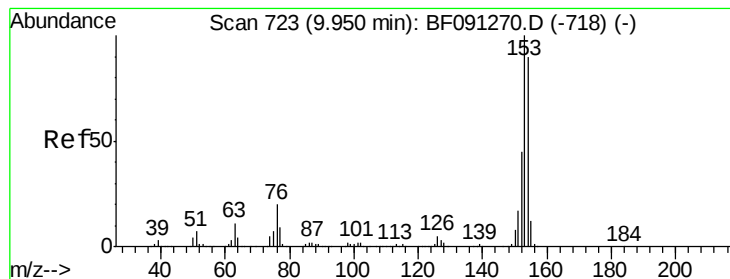


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 37.30 ng

RT: 9.96 min Scan# 671

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

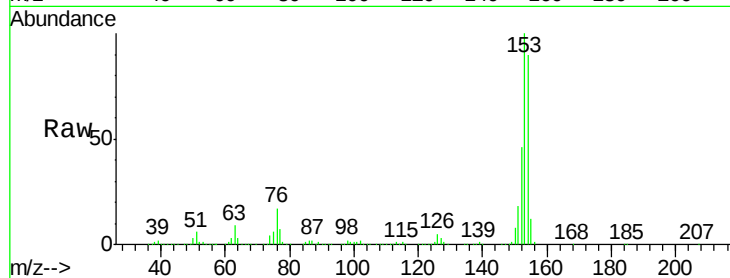
Instrument :

BNA_F

ClientSampleId :

Tot Ion:154 Resp: 1101779

Ion	Ratio	Lower	Upper
154	100		
153	111.4	91.0	136.6
152	51.6	44.2	66.2



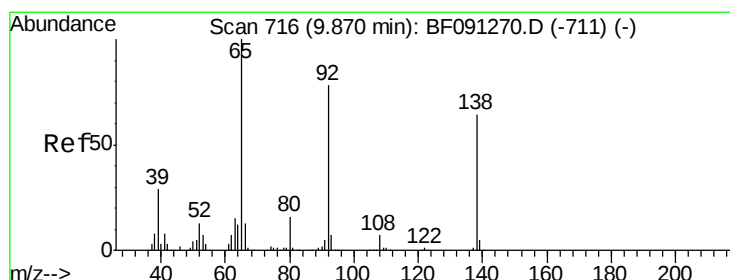
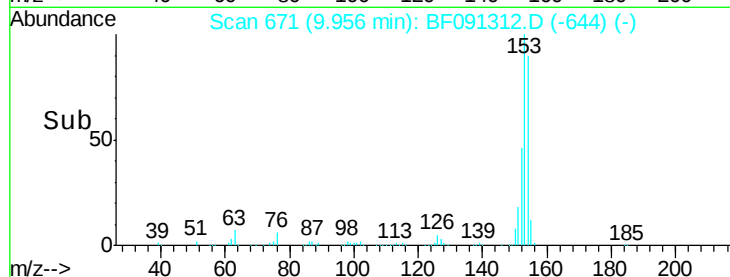
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

9.96

Time-->



#52

3-Nitroaniline

Concen: 47.13 ng

RT: 9.88 min Scan# 664

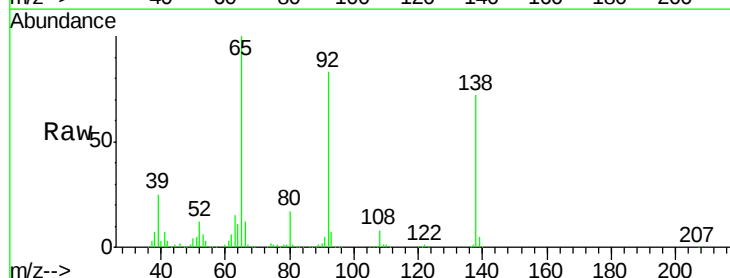
Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Tgt Ion:138 Resp: 354372

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.1	12.1
92	116.1	92.5	138.7



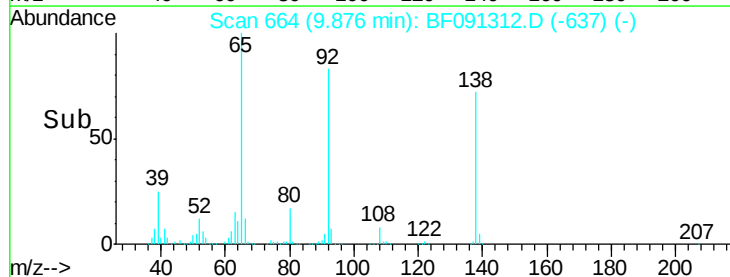
Abundance Ion 138.00 (137.70 to 138.70): E

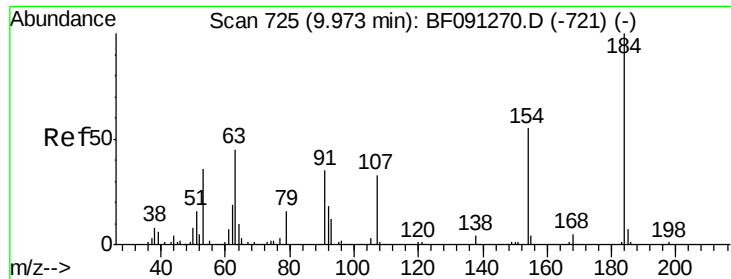
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

9.88

Time-->

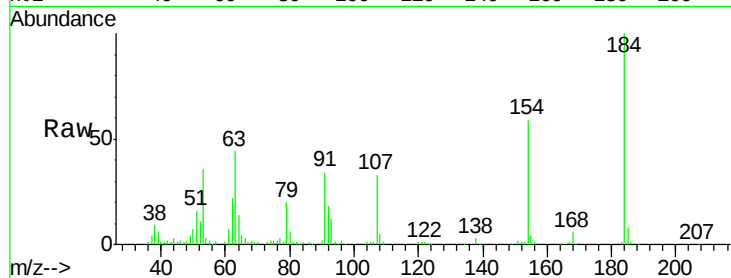




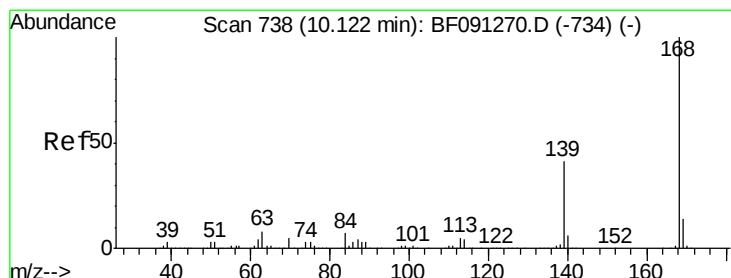
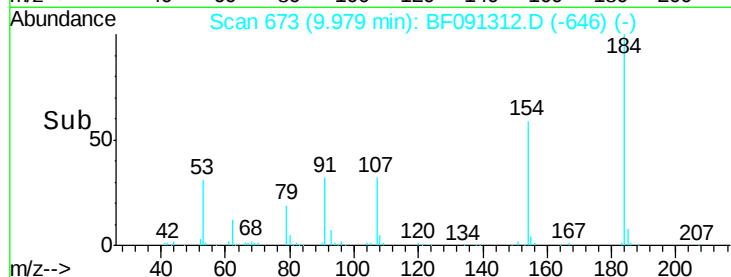
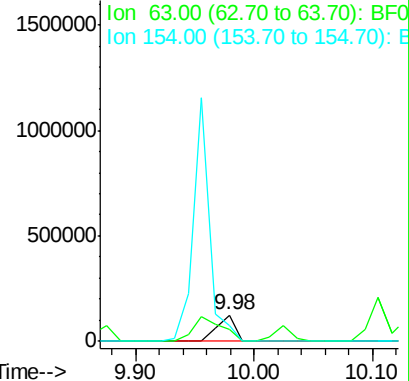
#53
2,4-Dinitrophenol
Concen: 50.96 ng
RT: 9.98 min Scan# 673
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 135322
Ion Ratio Lower Upper
184 100
63 44.0 58.3 87.5#
154 59.1 48.6 73.0

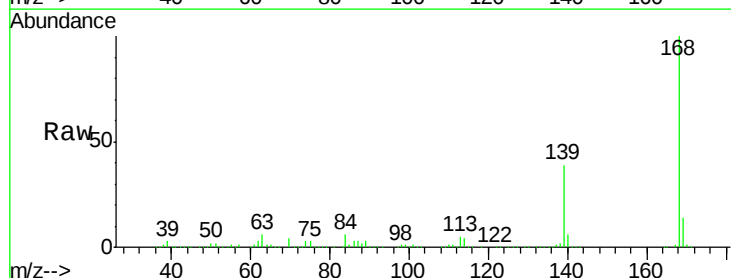


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

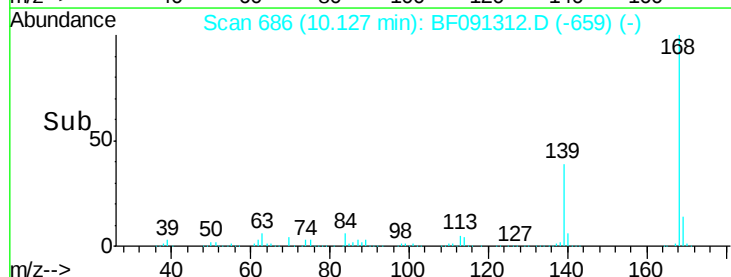
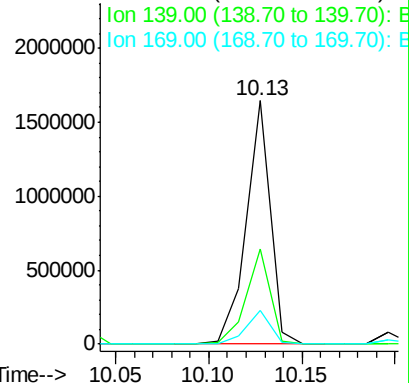


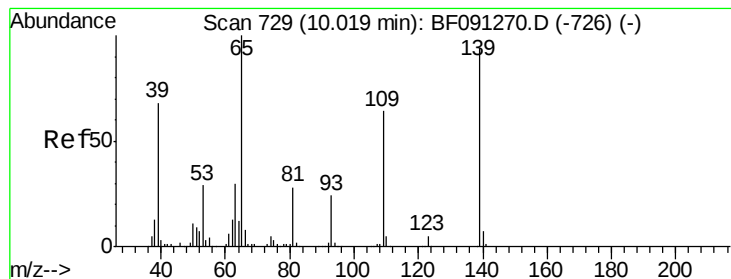
#54
Dibenzofuran
Concen: 35.01 ng
RT: 10.13 min Scan# 686
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion:168 Resp: 1454566
Ion Ratio Lower Upper
168 100
139 38.9 33.4 50.2
169 13.7 11.1 16.7



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: 41.67 ng

RT: 10.02 min Scan# 677

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

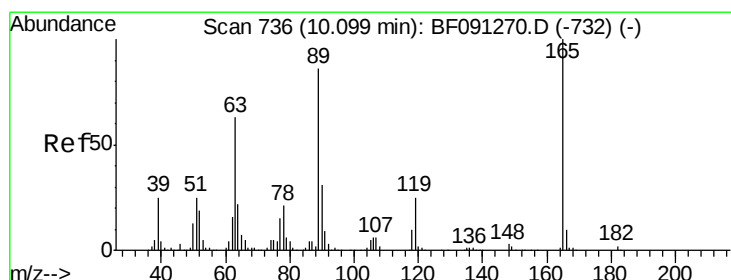
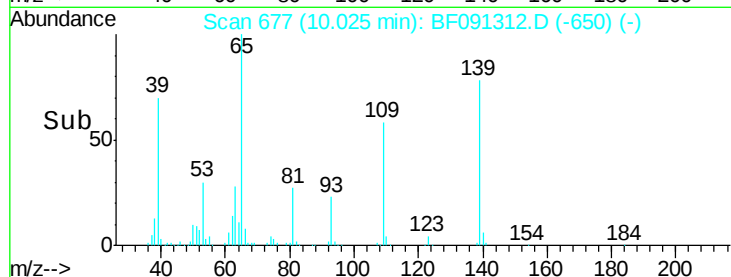
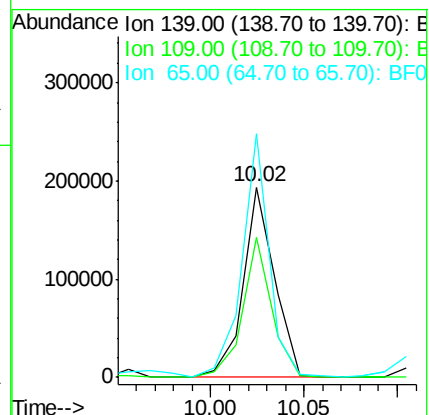
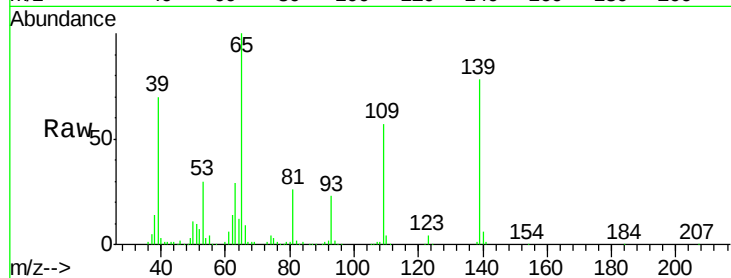
Tot Ion:139 Resp: 225984

Ion Ratio Lower Upper

139 100

109 73.5 54.9 94.9

65 127.9 102.2 142.2



#56

2,4-Dinitrotoluene

Concen: 38.87 ng

RT: 10.10 min Scan# 684

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Tgt Ion:165 Resp: 344002

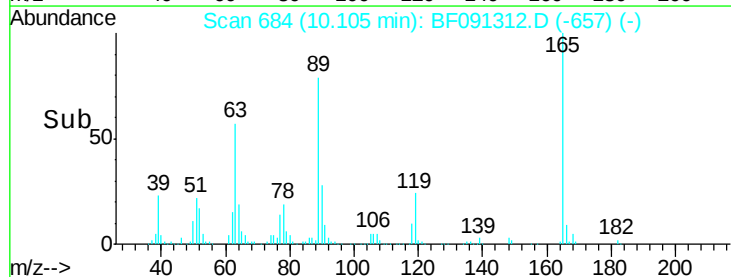
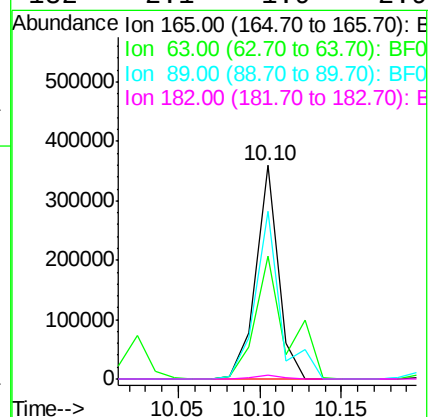
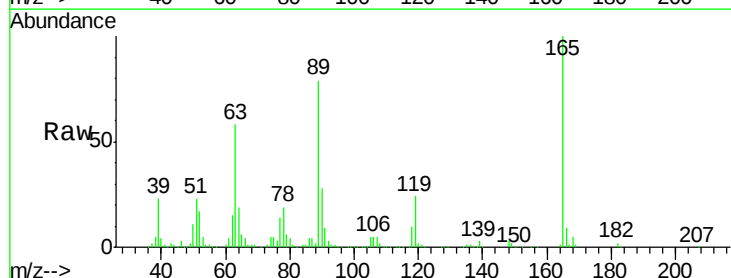
Ion Ratio Lower Upper

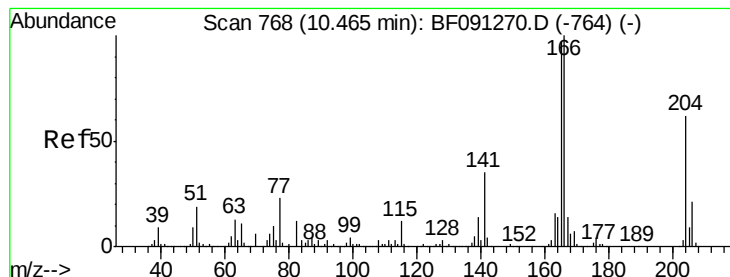
165 100

63 57.7 29.0 43.4#

89 78.7 43.1 64.7#

182 2.1 1.9 2.9





#57

Fluorene

Concen: 36.22 ng

RT: 10.47 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

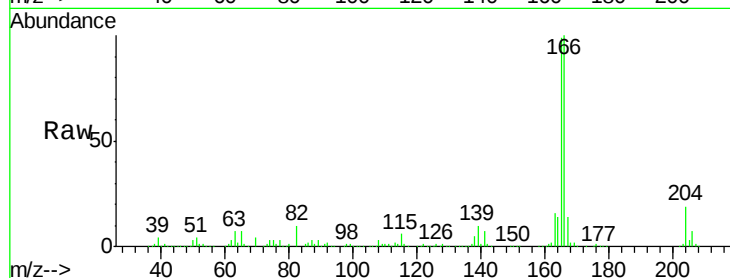
Tot Ion:166 Resp: 1151801

Ion Ratio Lower Upper

166 100

165 99.3 80.0 120.0

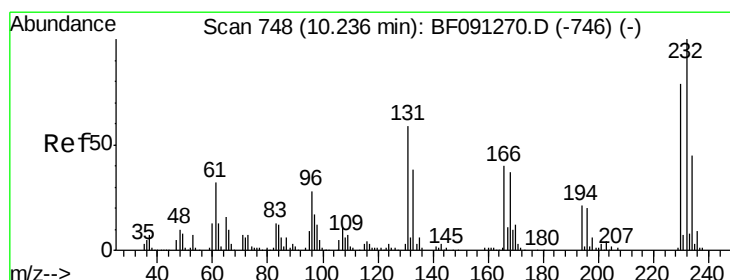
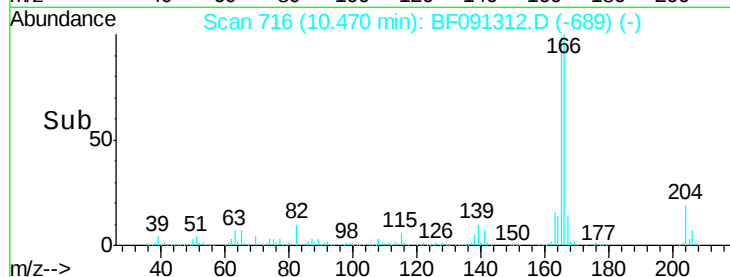
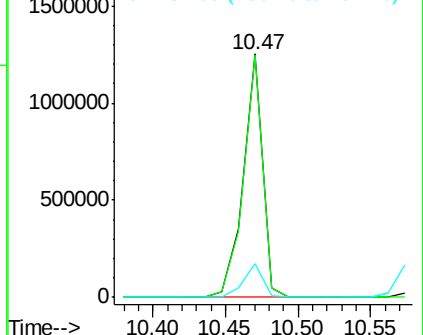
167 13.8 10.8 16.2



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: 36.82 ng

RT: 10.24 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Tgt Ion:232 Resp: 298120

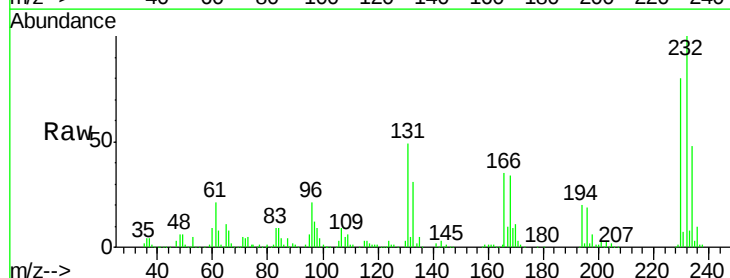
Ion Ratio Lower Upper

232 100

131 48.6 38.4 57.6

130 2.5 1.8 2.8

166 33.9 23.9 35.9

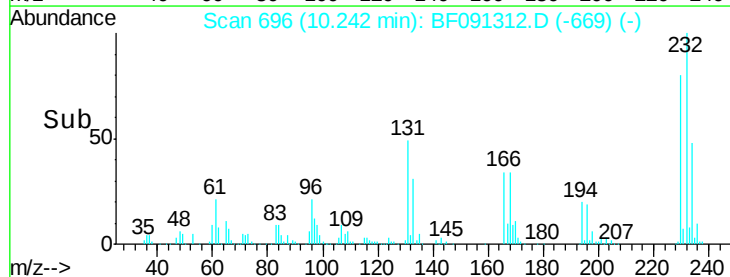
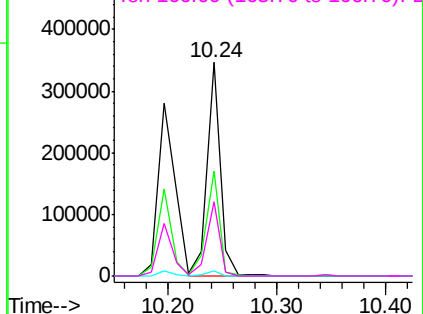


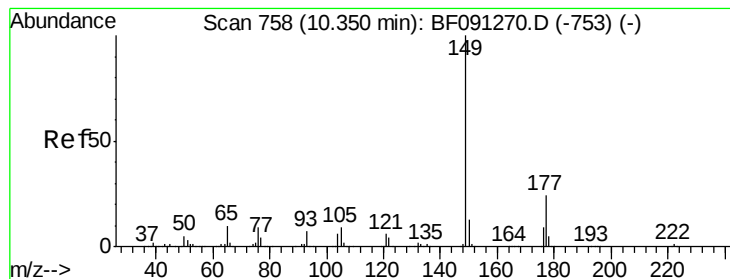
Abundance Ion 232.00 (231.70 to 232.70): E

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: 33.55 ng

RT: 10.34 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

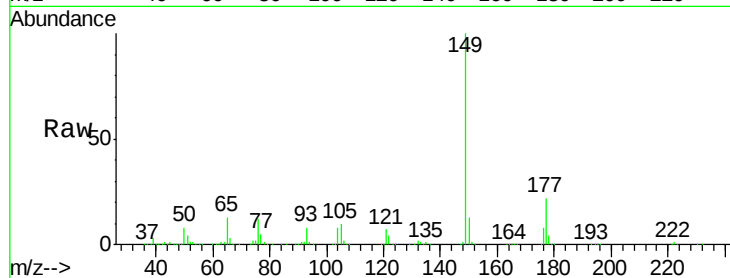
Tot Ion:149 Resp: 1080996

Ion Ratio Lower Upper

149 100

177 21.5 15.7 23.5

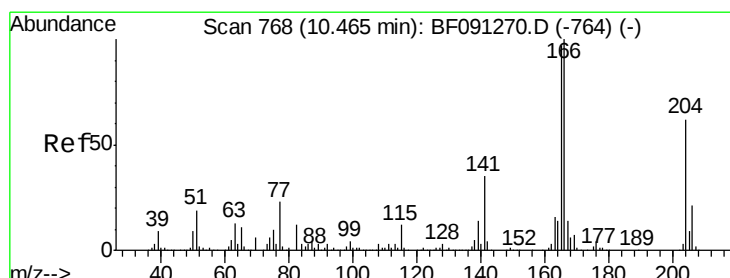
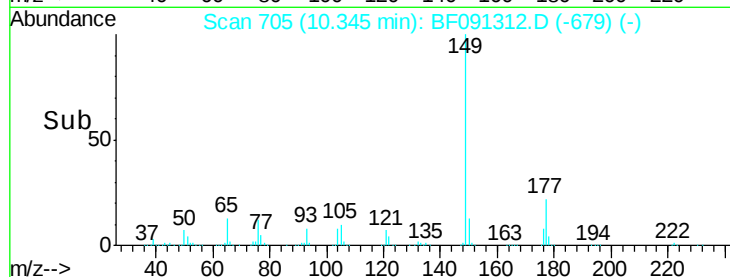
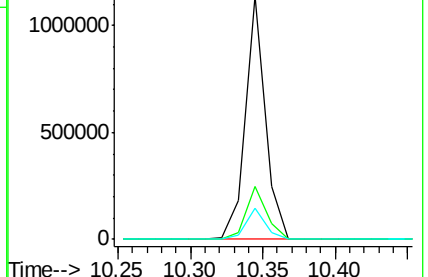
150 12.7 10.2 15.2



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: 32.95 ng

RT: 10.46 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

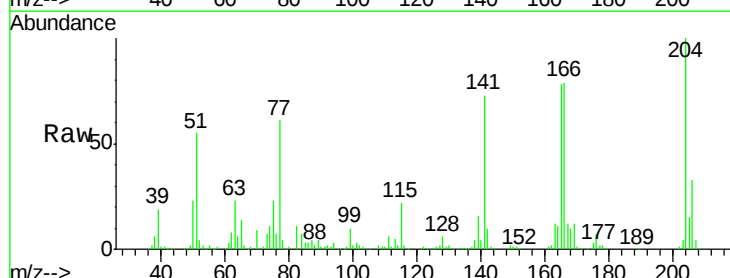
Tgt Ion:204 Resp: 482567

Ion Ratio Lower Upper

204 100

206 32.8 26.1 39.1

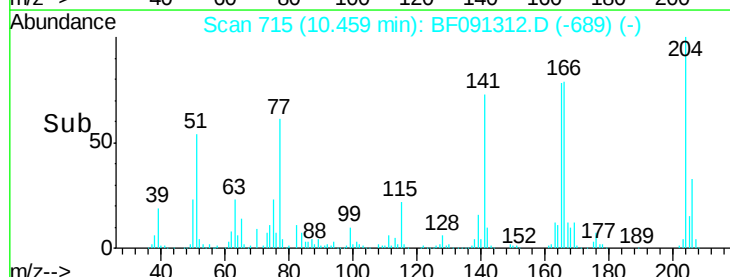
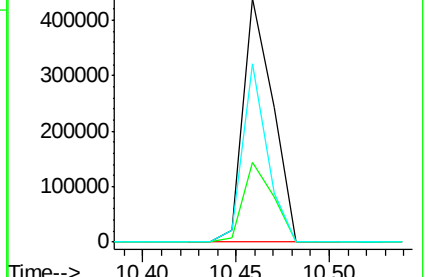
141 73.1 40.6 61.0#

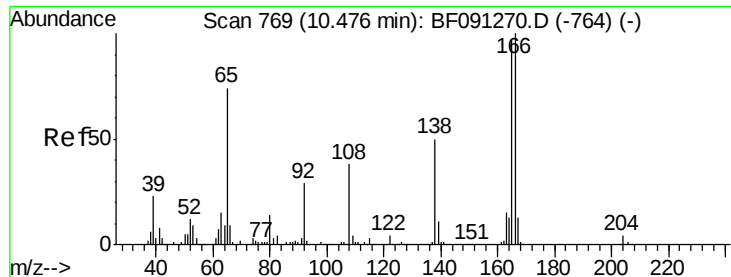


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

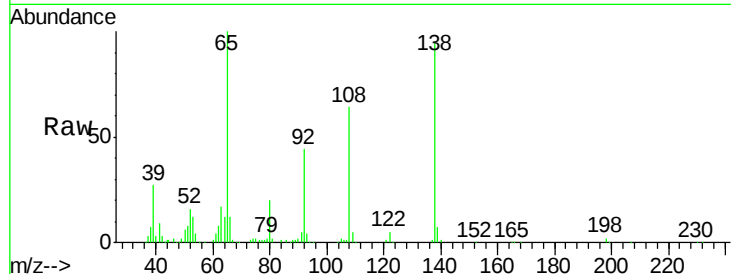




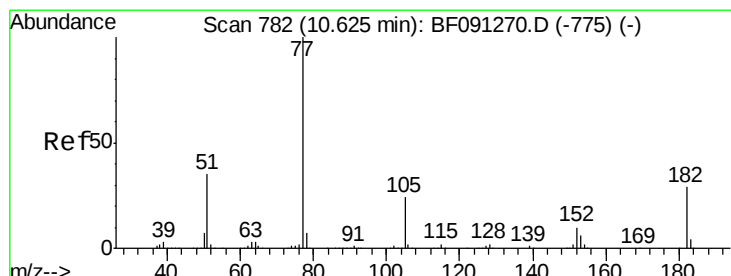
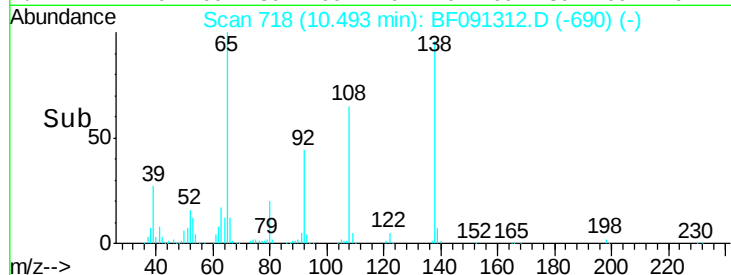
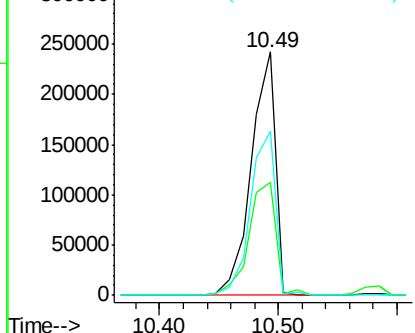
#61
4-Nitroaniline
Concen: 49.38 ng
RT: 10.49 min Scan# 718
Delta R.T. 0.02 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:138 Resp: 346462
Ion Ratio Lower Upper
138 100
92 46.3 26.9 66.9
108 67.6 49.1 89.1

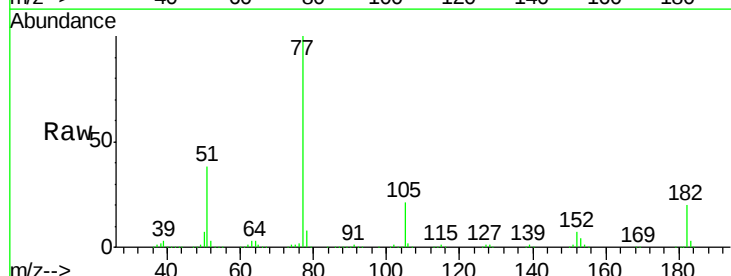


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

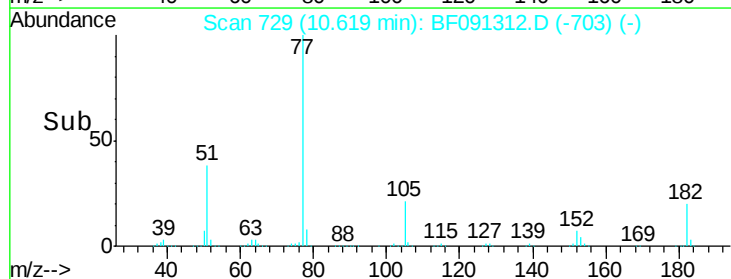
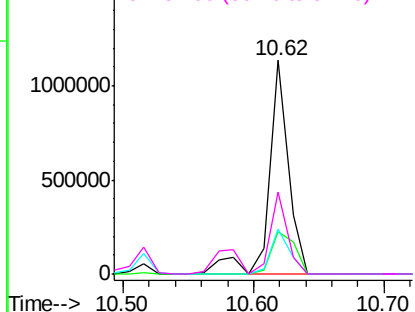


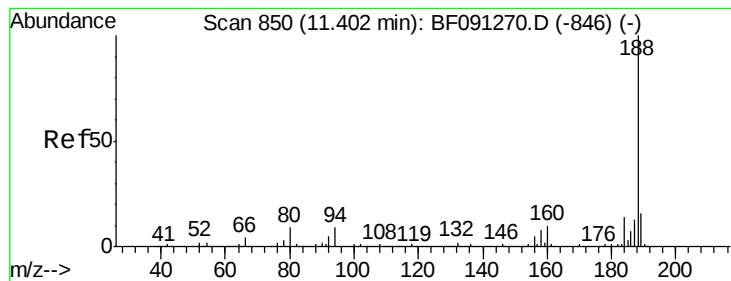
#62
Azobenzene
Concen: 36.95 ng
RT: 10.62 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion: 77 Resp: 1207732
Ion Ratio Lower Upper
77 100
182 20.0 12.5 52.5
105 21.3 3.7 43.7
51 38.3 11.9 51.9



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: 11.41 min Scan# 798

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampled :

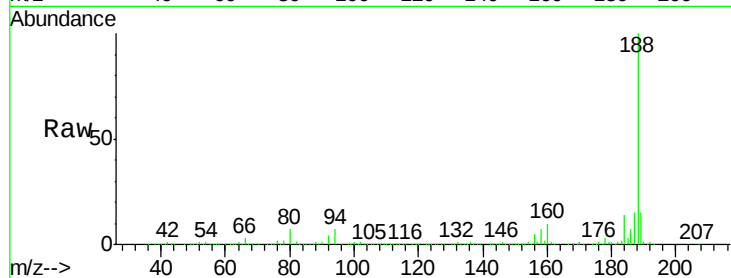
Tot Ion:188 Resp: 871827

Ion Ratio Lower Upper

188 100

94 6.6 9.2 13.8#

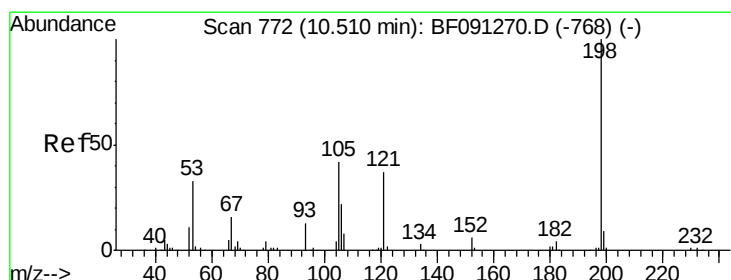
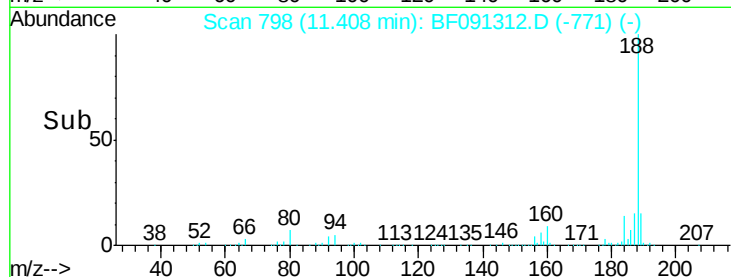
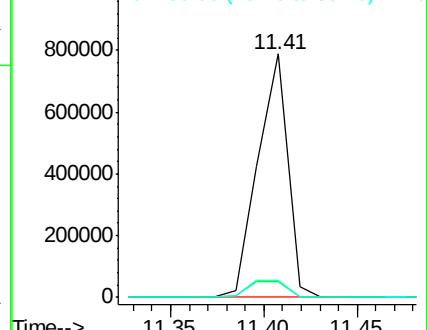
80 7.2 10.5 15.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 51.01 ng

RT: 10.52 min Scan# 720

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

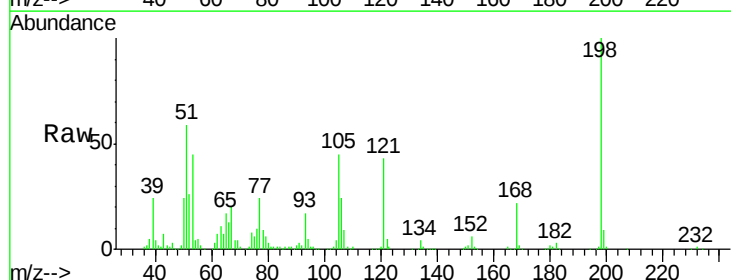
Tgt Ion:198 Resp: 201668

Ion Ratio Lower Upper

198 100

51 58.5 77.1 117.1#

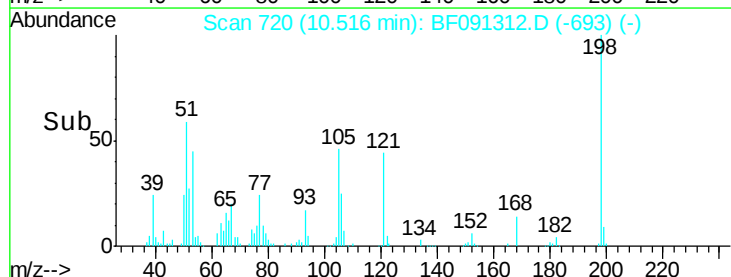
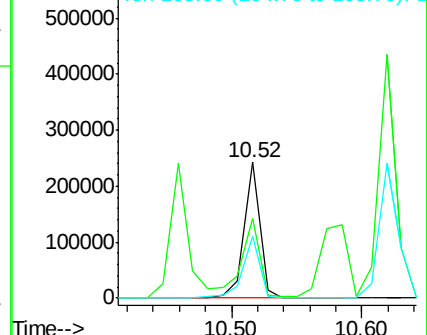
105 45.2 44.8 84.8

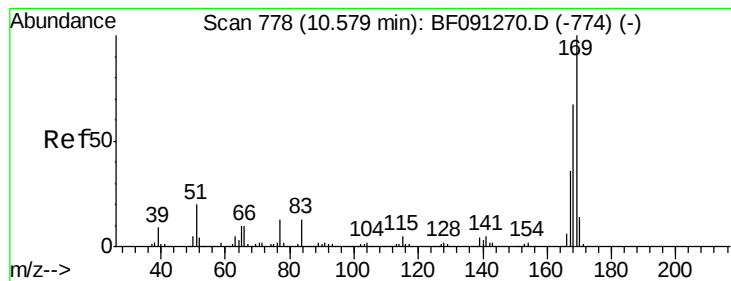


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 40.35 ng

RT: 10.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

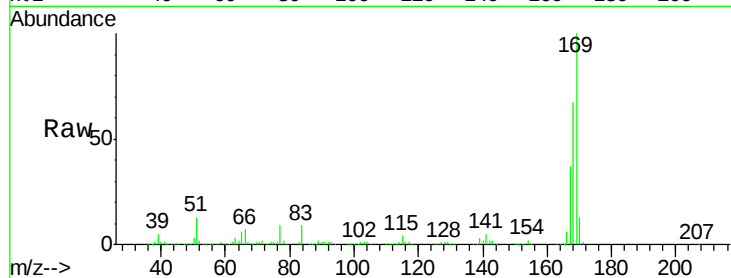
Tot Ion:169 Resp: 1068013

Ion Ratio Lower Upper

169 100

168 67.1 53.8 80.8

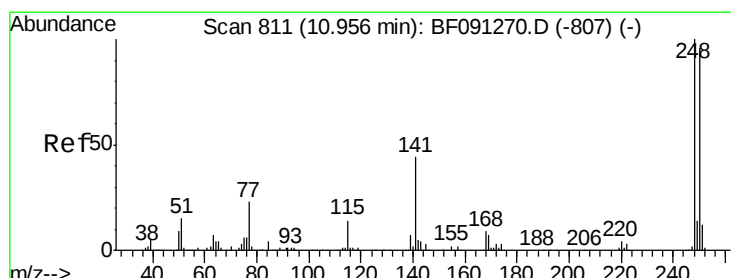
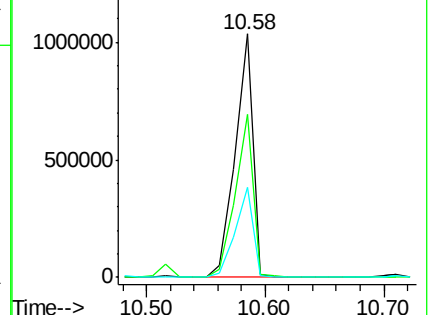
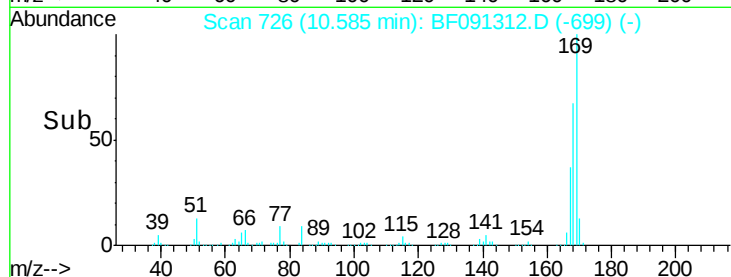
167 36.8 29.8 44.8



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: 36.10 ng

RT: 10.95 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

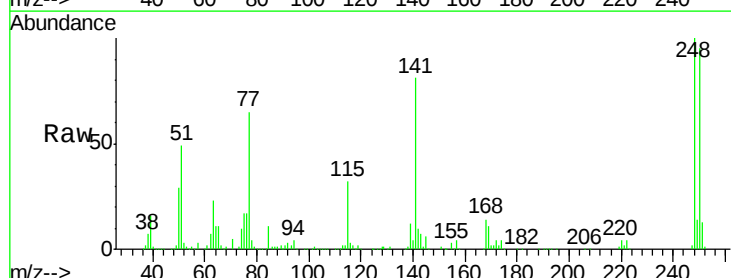
Tgt Ion:248 Resp: 344028

Ion Ratio Lower Upper

248 100

250 95.2 78.2 117.4

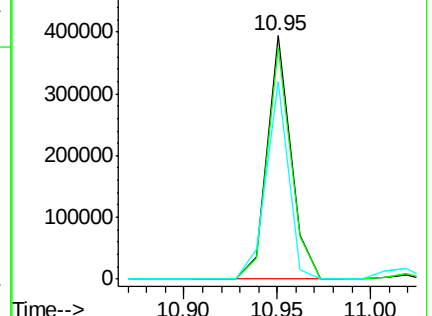
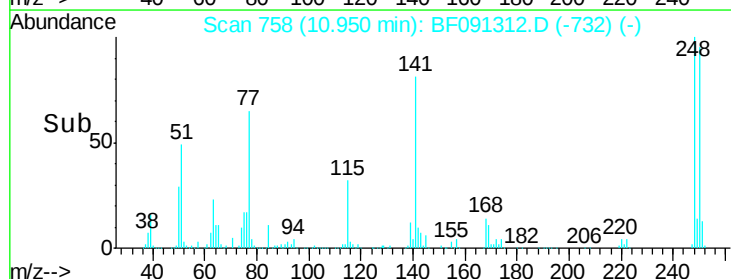
141 81.3 71.9 107.9

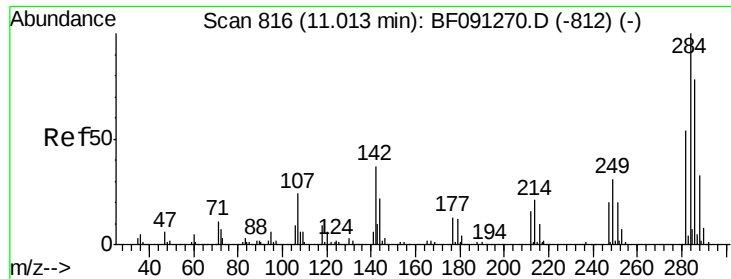


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

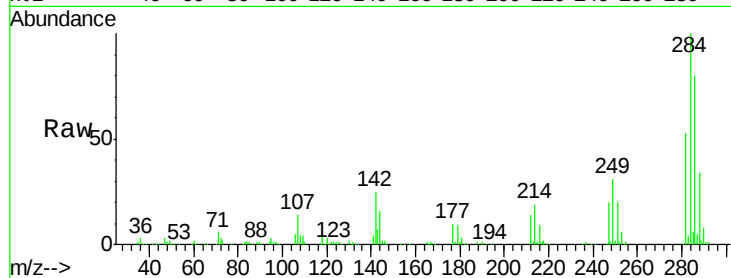




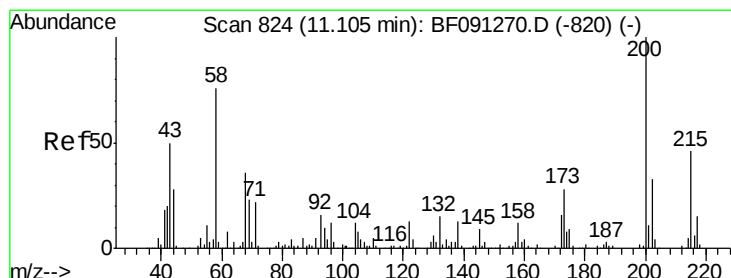
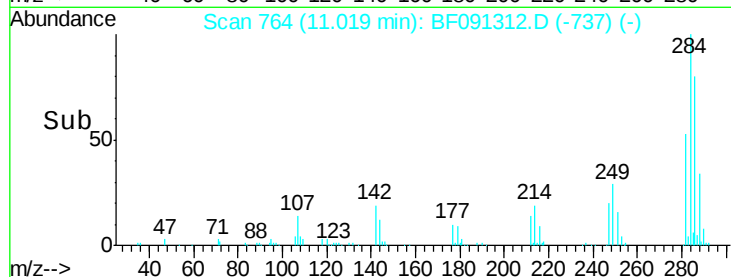
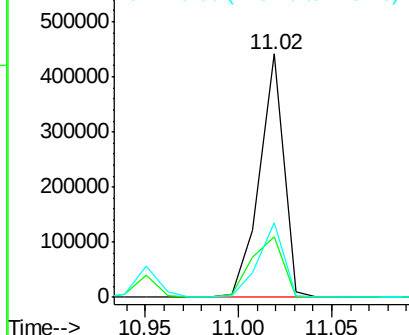
#67
Hexachlorobenzene
Concen: 37.96 ng
RT: 11.02 min Scan# 764
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:284 Resp: 396540
Ion Ratio Lower Upper
284 100
142 25.1 17.9 26.9
249 30.9 23.6 35.4

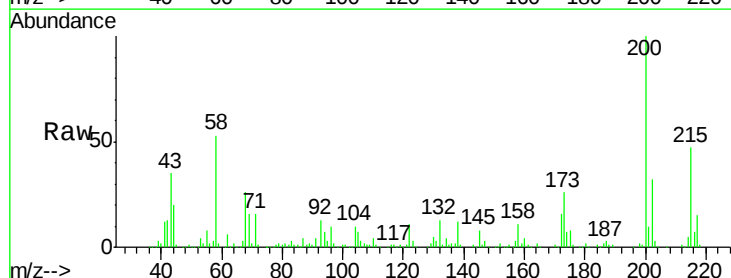


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

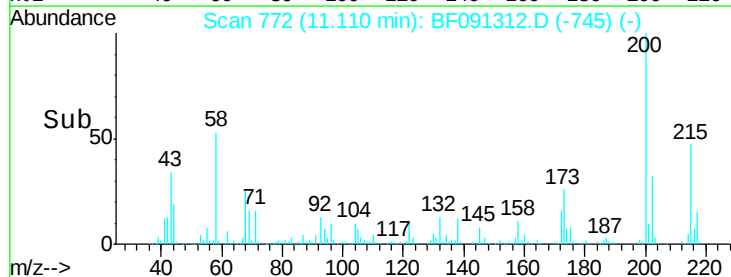
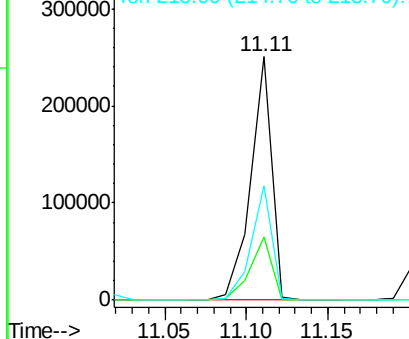


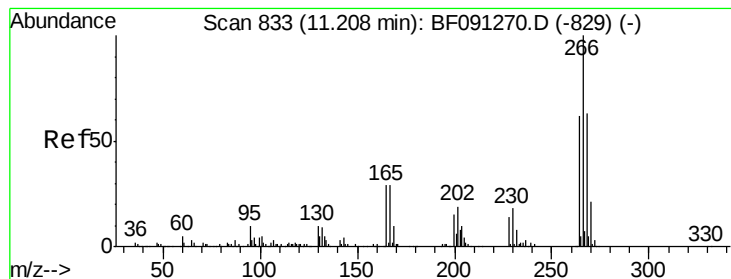
#68
Atrazine
Concen: 27.07 ng
RT: 11.11 min Scan# 772
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion:200 Resp: 224870
Ion Ratio Lower Upper
200 100
173 26.0 7.8 47.8
215 47.2 24.3 64.3



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 36.08 ng

RT: 11.21 min Scan# 781

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

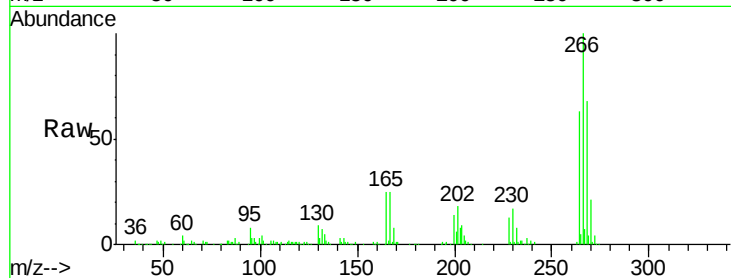
Tot Ion:266 Resp: 222951

Ion Ratio Lower Upper

266 100

268 68.3 50.3 75.5

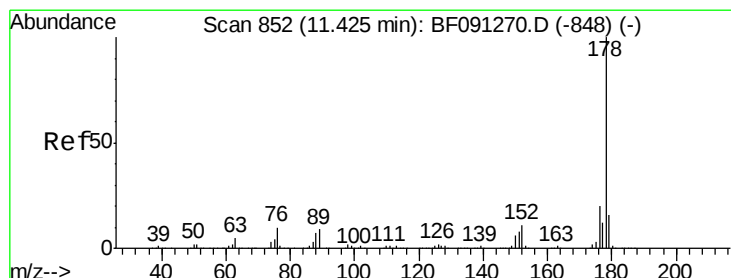
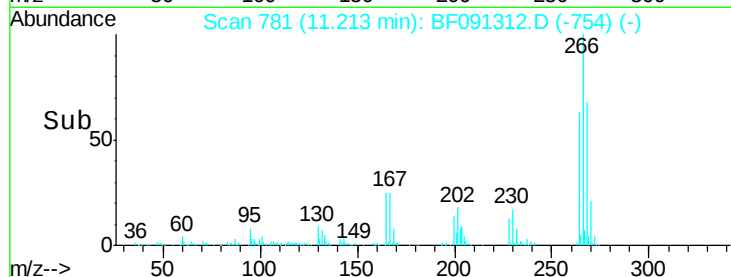
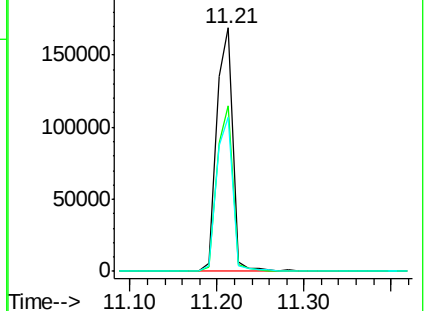
264 63.2 48.2 72.2



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: 36.77 ng

RT: 11.43 min Scan# 800

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

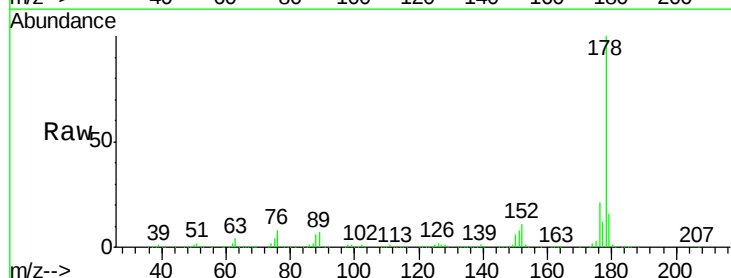
Tgt Ion:178 Resp: 1663046

Ion Ratio Lower Upper

178 100

176 20.6 15.9 23.9

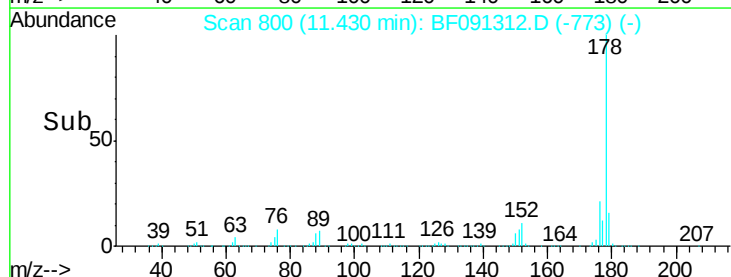
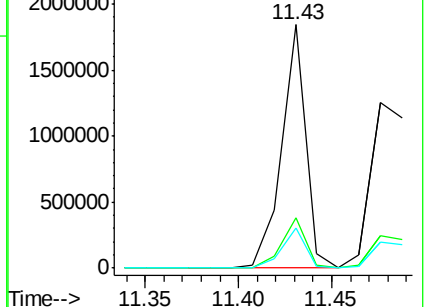
179 16.5 12.6 18.8

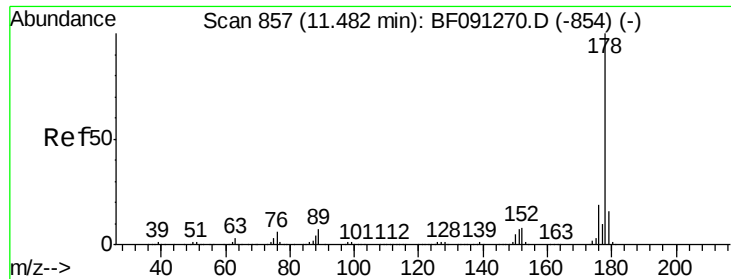


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

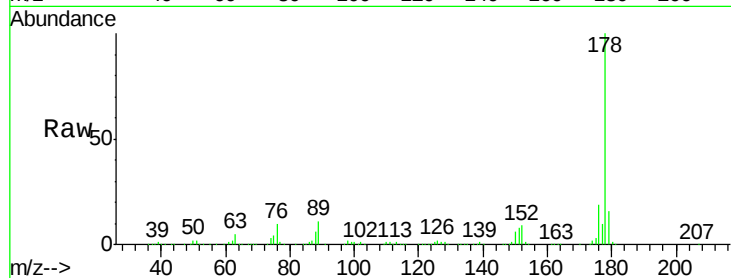




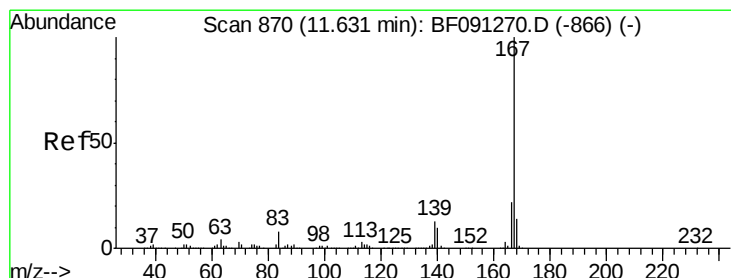
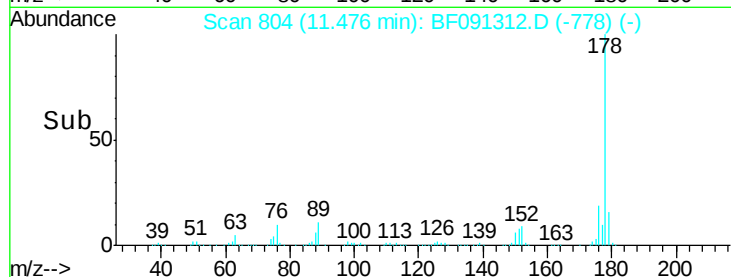
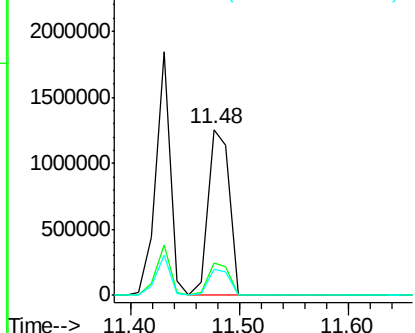
#71
 Anthracene
 Concen: 37.22 ng
 RT: 11.48 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 1721178
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.6
 179 16.0 12.7 19.1

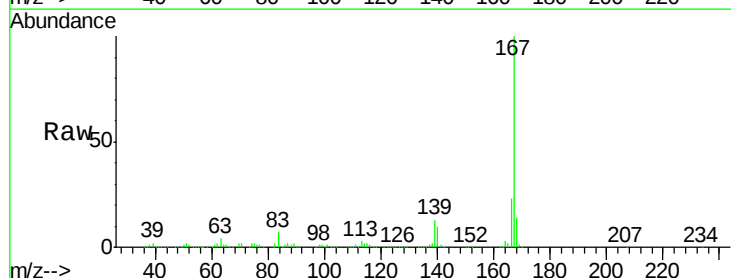


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

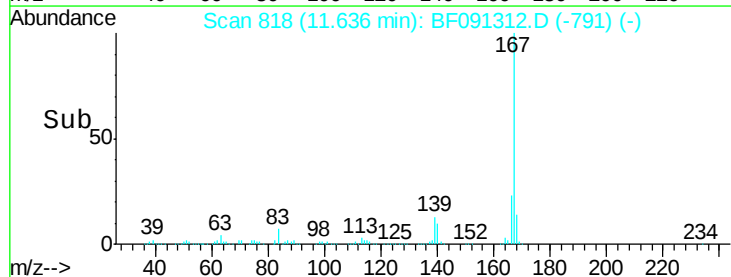
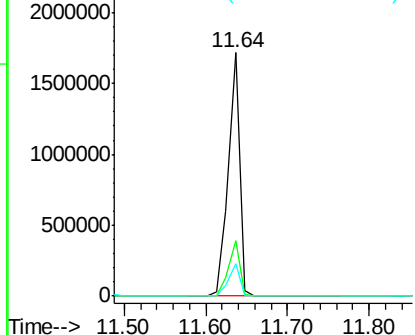


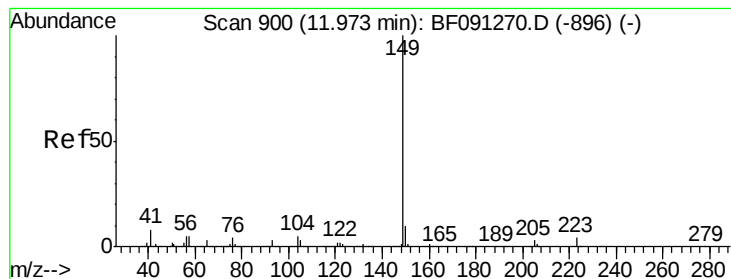
#72
 Carbazole
 Concen: 40.01 ng
 RT: 11.64 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion:167 Resp: 1646484
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.1 27.1
 139 13.3 11.5 17.3



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: 36.91 ng

RT: 11.97 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

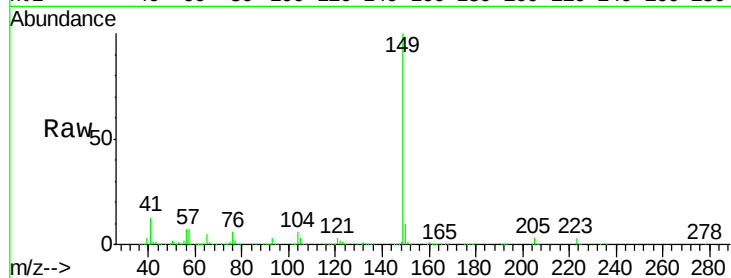
Tot Ion:149 Resp: 1758931

Ion Ratio Lower Upper

149 100

150 9.8 7.5 11.3

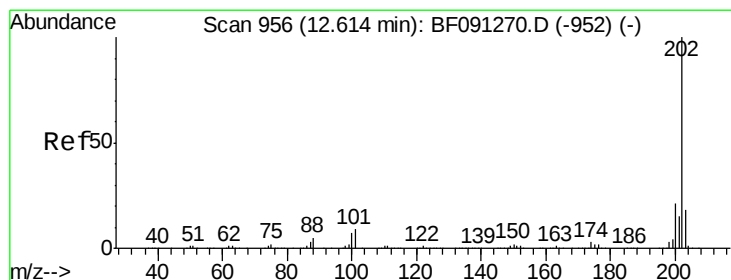
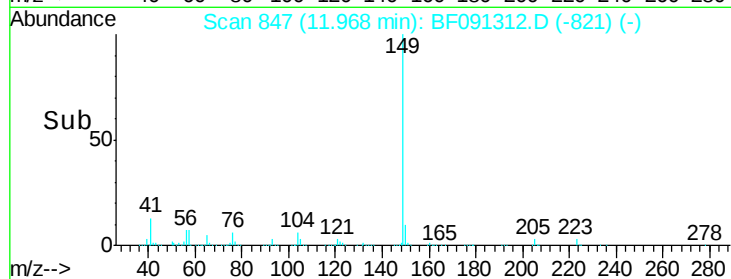
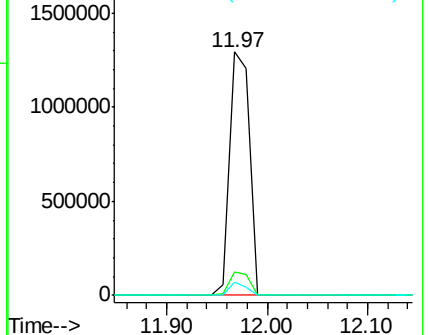
104 5.6 4.0 6.0



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: 41.59 ng

RT: 12.62 min Scan# 904

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

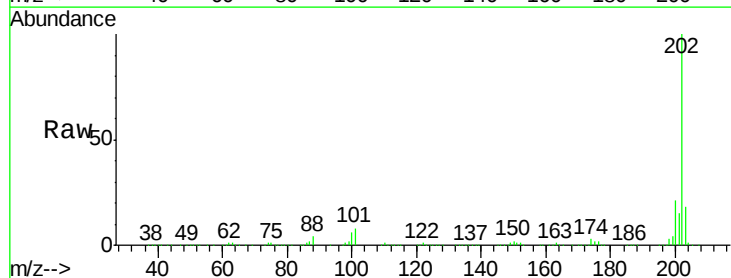
Tgt Ion:202 Resp: 1913125

Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.5

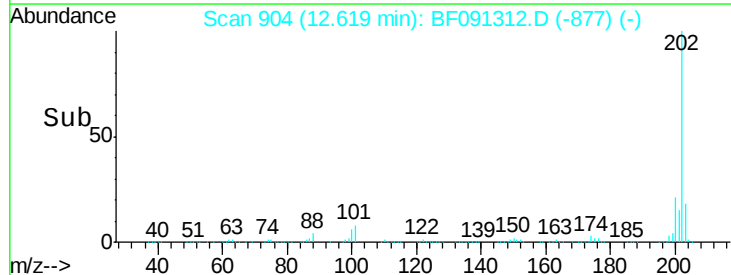
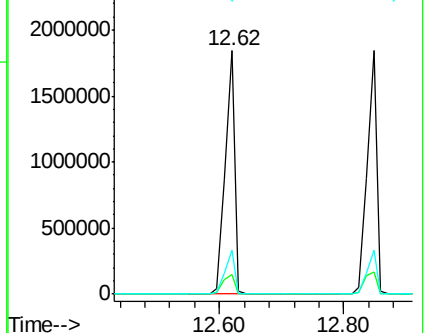
203 18.2 0.0 37.8

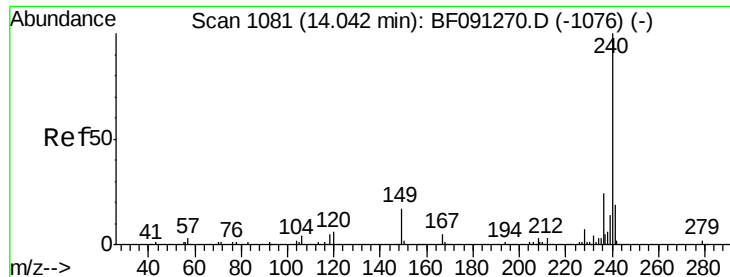


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

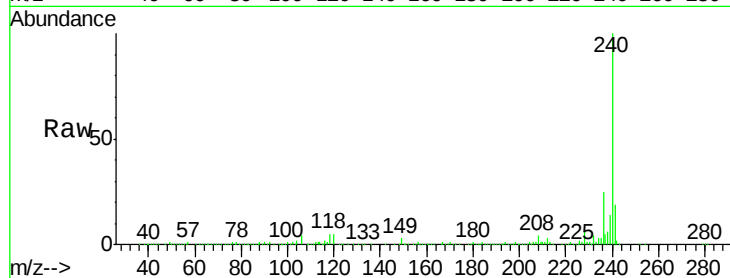
Tot Ion:240 Resp: 593776

Ion Ratio Lower Upper

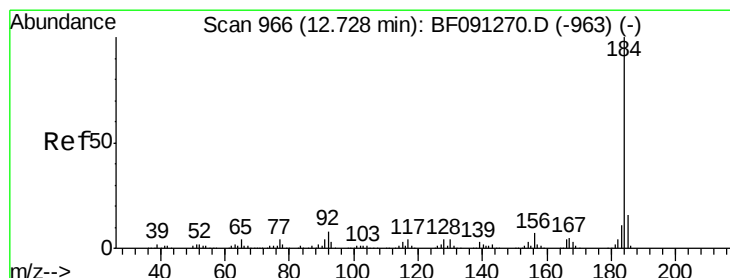
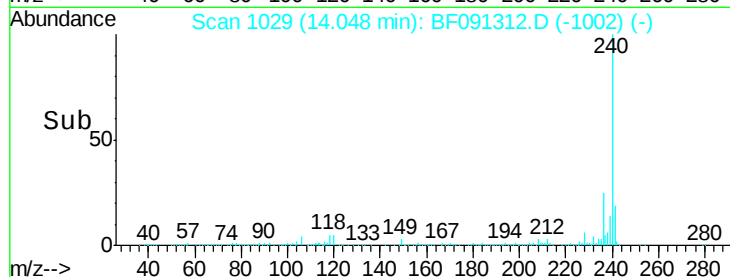
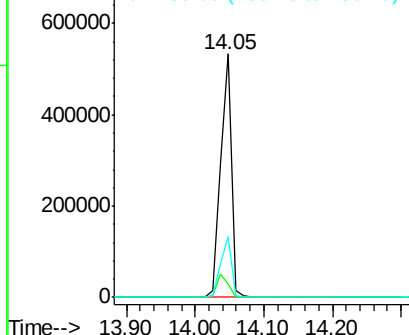
240 100

120 5.5 12.1 18.1#

236 24.9 21.0 31.6



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: 55.25 ng

RT: 12.73 min Scan# 914

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

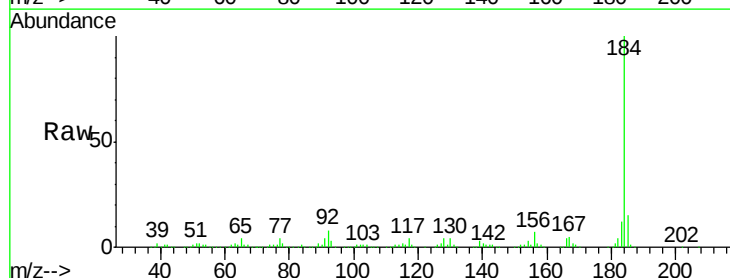
Tgt Ion:184 Resp: 635795

Ion Ratio Lower Upper

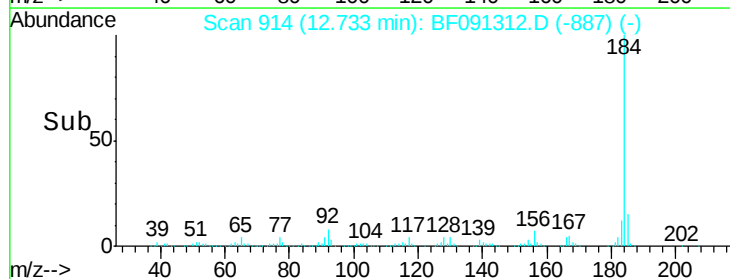
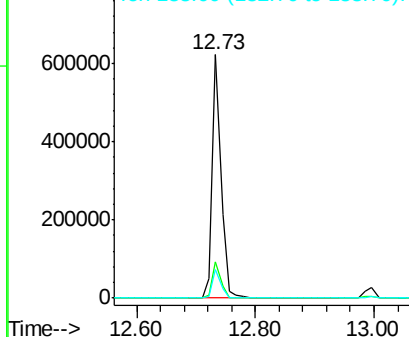
184 100

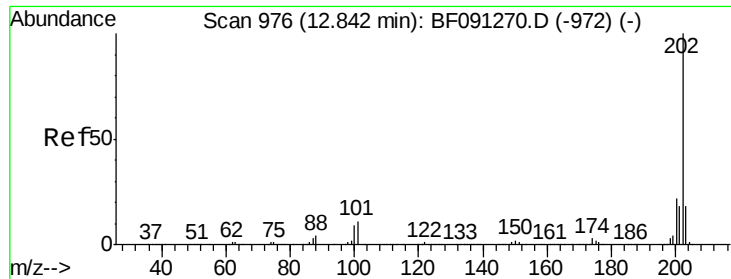
185 14.8 13.1 19.7

183 11.7 8.9 13.3



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

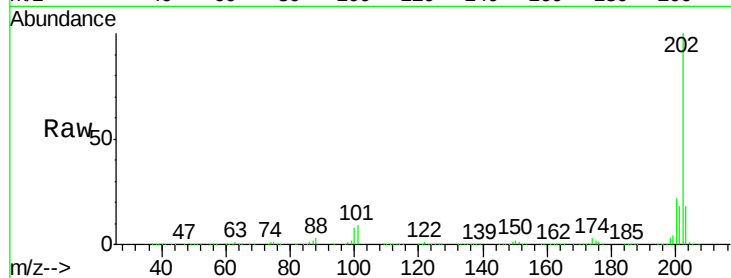




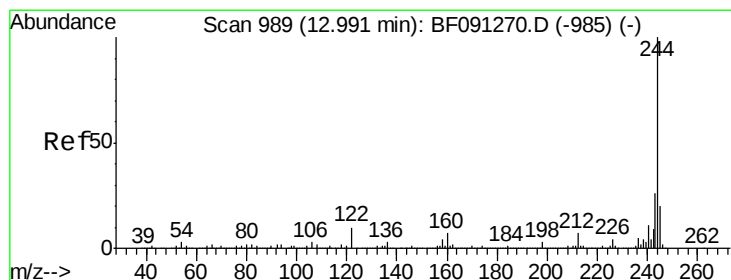
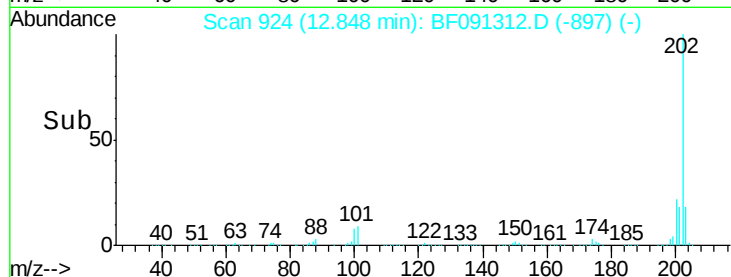
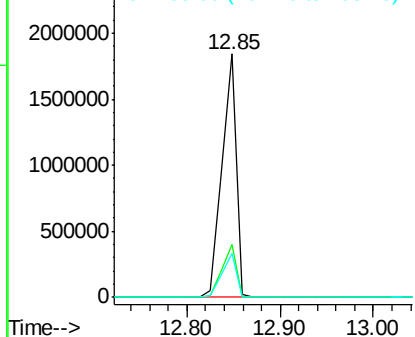
#77
Pvrene
Concen: 43.90 ng
RT: 12.85 min Scan# 924
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1925880
Ion Ratio Lower Upper
202 100
200 22.0 17.6 26.4
203 17.9 14.0 21.0

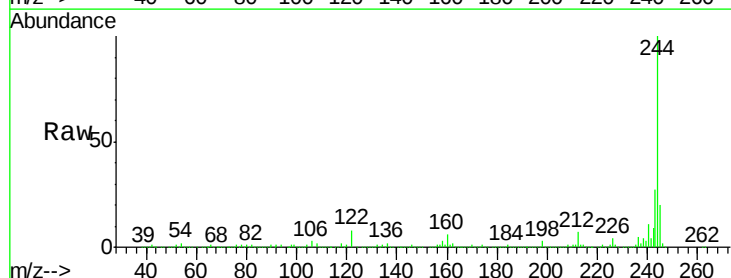


Abundance Ion 202.00 (201.70 to 202.70): E
2500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

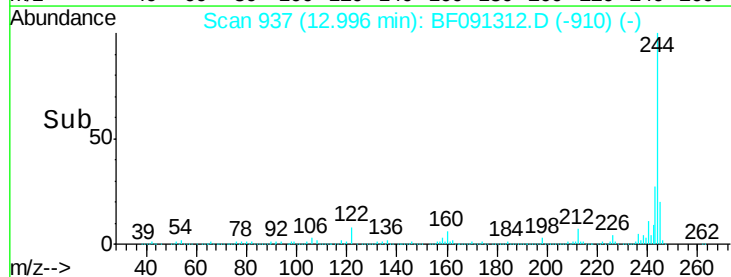
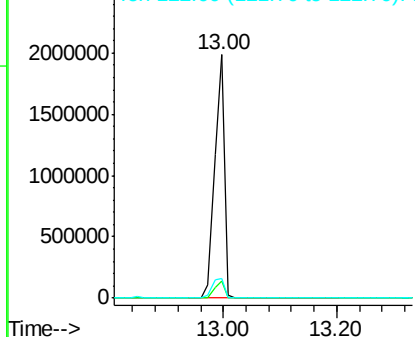


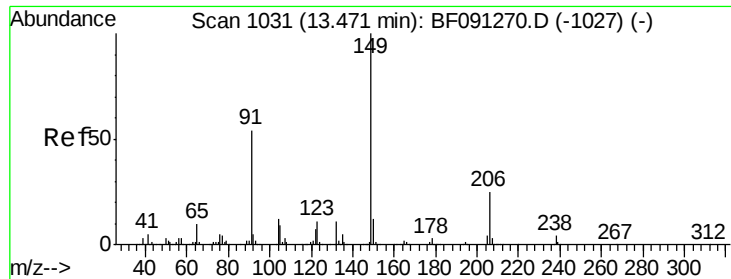
#78
Terphenyl-d14
Concen: 86.96 ng
RT: 13.00 min Scan# 937
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion:244 Resp: 2260823
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 8.2 9.5 14.3#



Abundance Ion 244.00 (243.70 to 244.70): E
2500000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

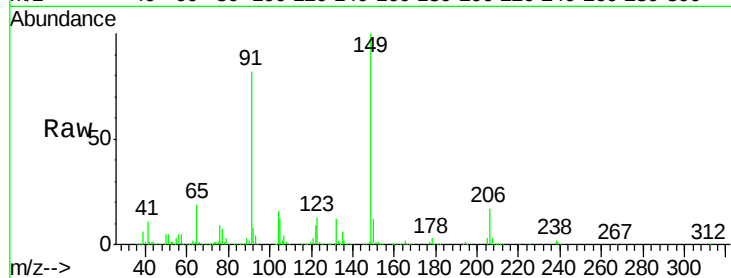




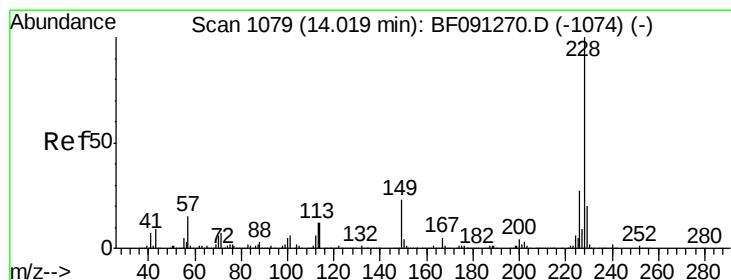
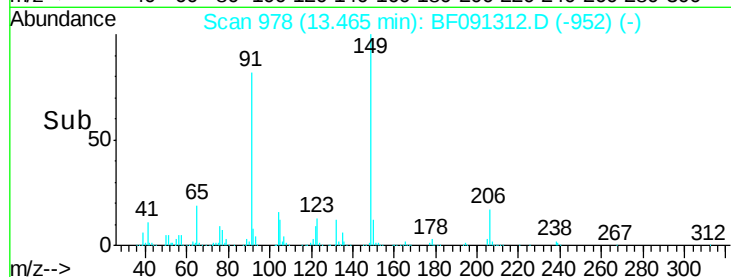
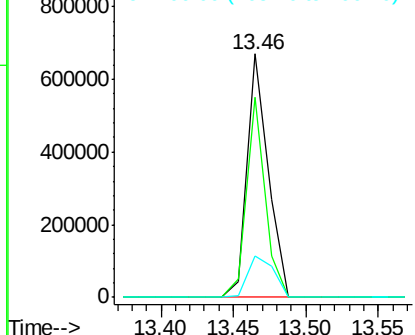
#79
Butylbenzylphthalate
Concen: 38.60 ng
RT: 13.46 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 677793
Ion Ratio Lower Upper
149 100
91 82.1 57.4 86.2
206 17.2 15.4 23.2

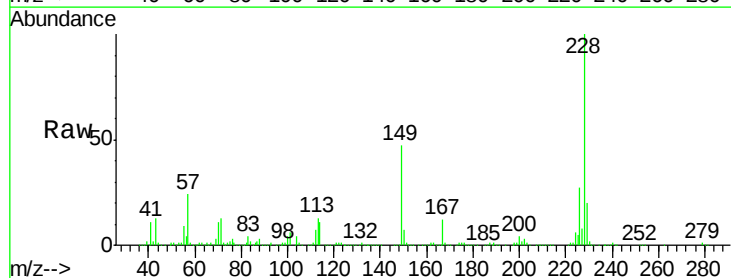


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

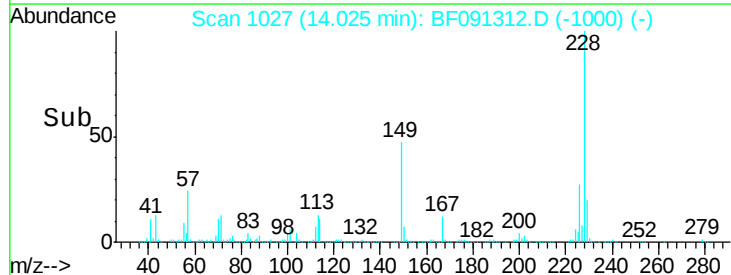
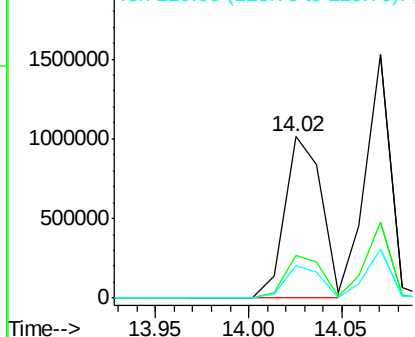


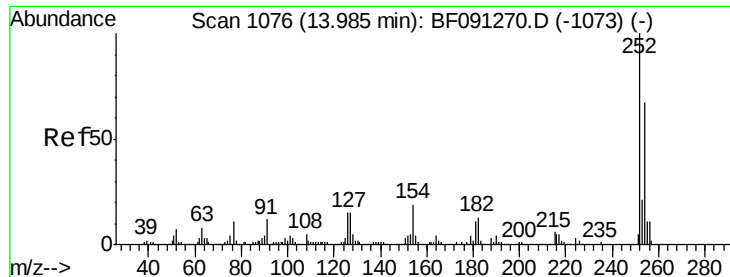
#80
Benzo(a)anthracene
Concen: 41.23 ng
RT: 14.02 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion:228 Resp: 1389577
Ion Ratio Lower Upper
228 100
226 26.6 22.5 33.7
229 20.1 16.4 24.6



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: 45.82 ng

RT: 14.00 min Scan# 1025

Delta R.T. 0.02 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampled :

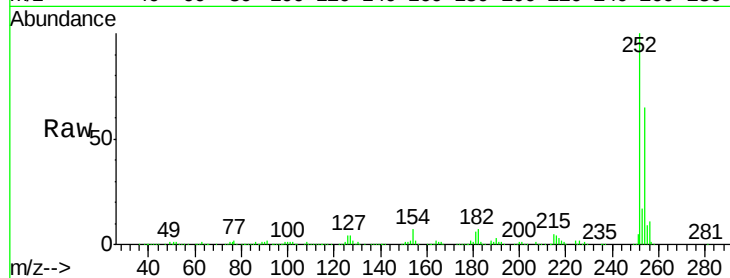
Tot Ion:252 Resp: 509245

Ion Ratio Lower Upper

252 100

254 65.0 52.1 78.1

126 4.3 7.5 11.3#



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

14.00

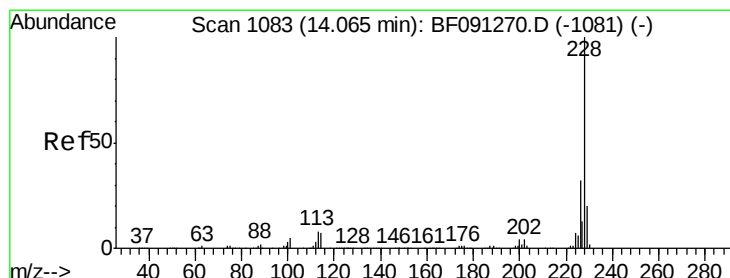
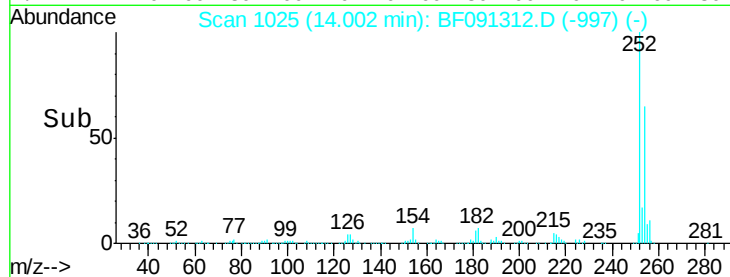
300000

200000

100000

0

Time--> 13.90 14.00 14.10



#82

Chrysene

Concen: 44.82 ng

RT: 14.07 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

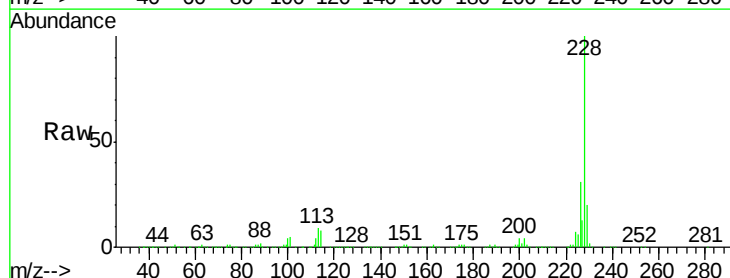
Tgt Ion:228 Resp: 1427401

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.4

229 20.2 16.0 24.0



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

14.07

2000000

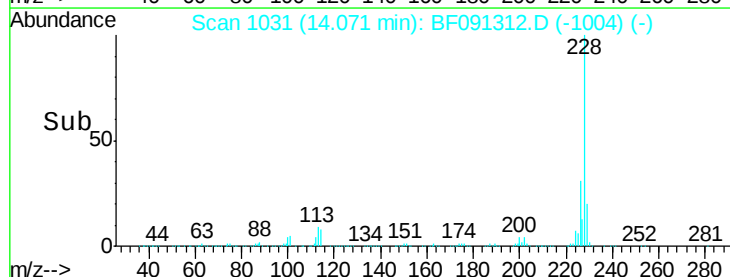
1500000

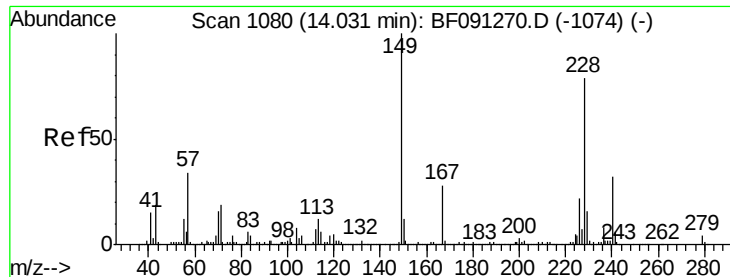
1000000

500000

0

Time--> 14.00 14.20

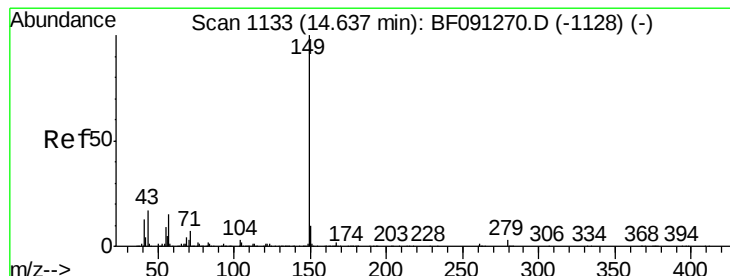
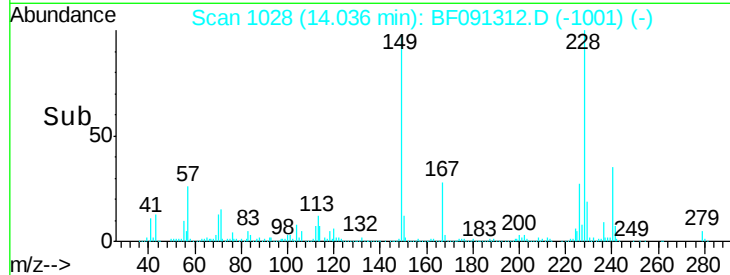
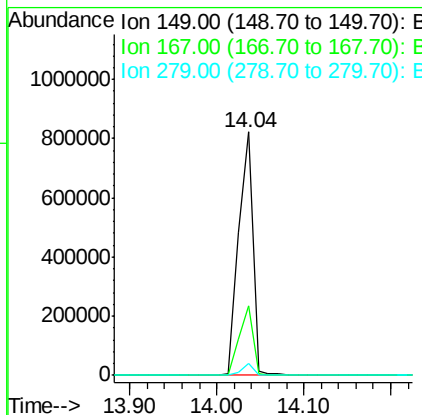
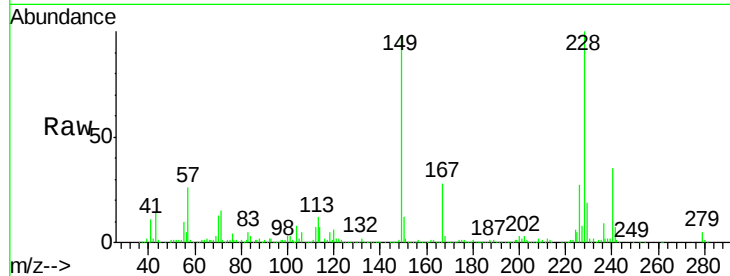




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.99 ng
 RT: 14.04 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

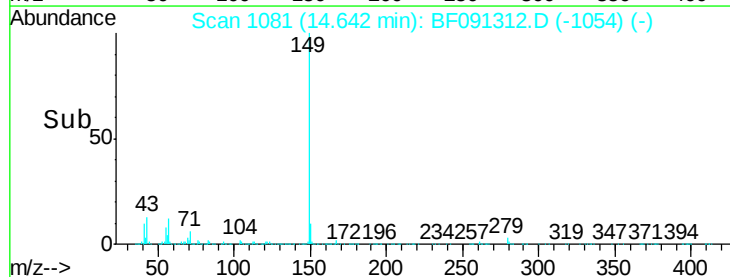
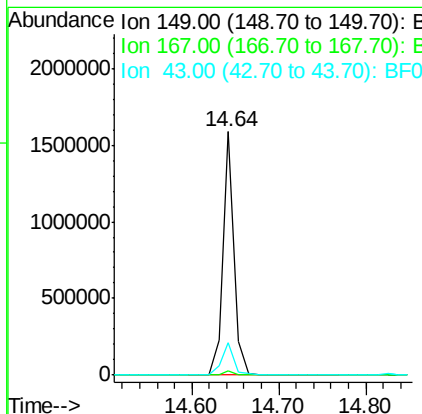
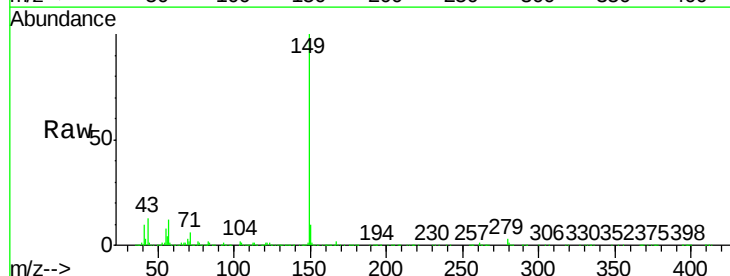
Instrument :
 BNA_F
 ClientSampled :

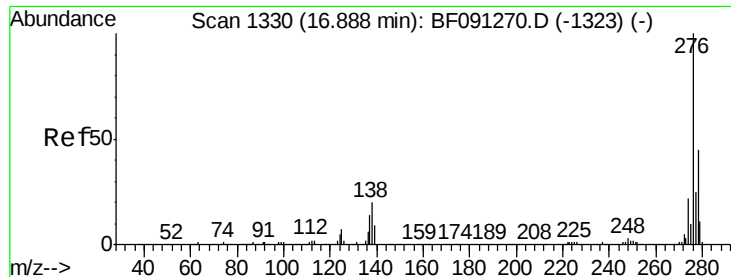
Tot Ion:149 Resp: 917847
 Ion Ratio Lower Upper
 149 100
 167 28.6 19.6 29.4
 279 4.7 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 41.08 ng
 RT: 14.64 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

Tgt Ion:149 Resp: 1413245
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 14.8 11.9 17.9



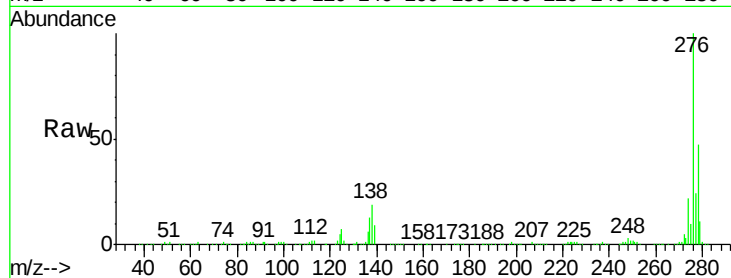


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 42.99 ng
 RT: 16.91 min Scan# 1279
 Delta R.T. 0.02 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

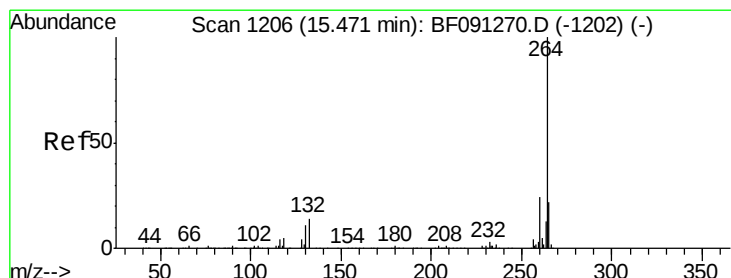
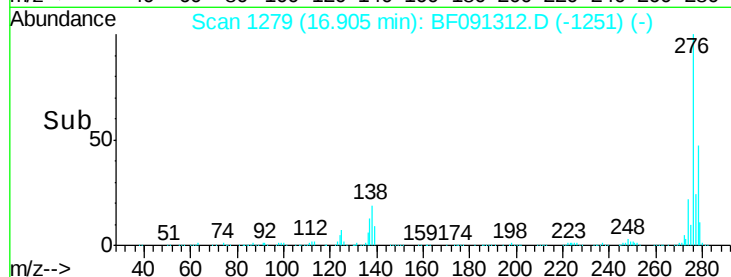
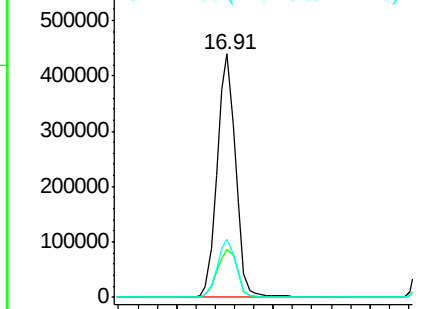
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 1179098

Ion	Ratio	Lower	Upper
276	100		
138	21.4	21.0	31.4
277	24.6	20.2	30.2



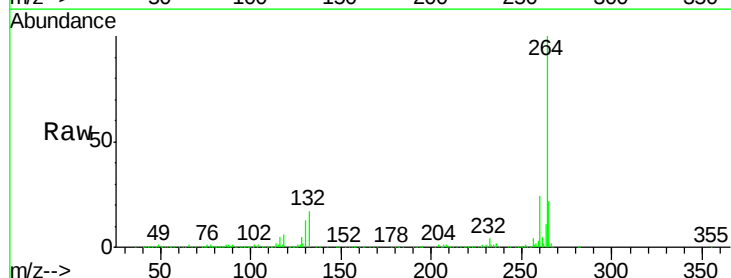
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



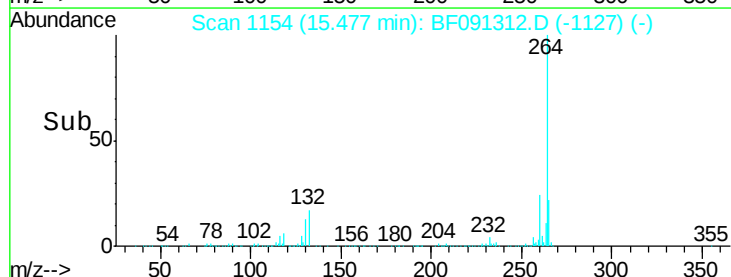
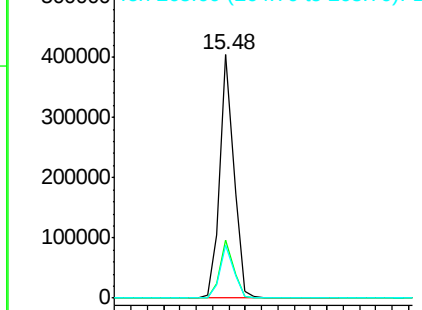
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BF091312.D
 Acq: 28 Nov 2016 12:52

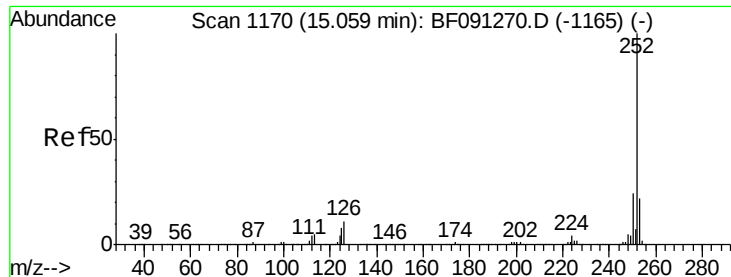
Tgt Ion:264 Resp: 485531

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.0	17.0	25.6



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

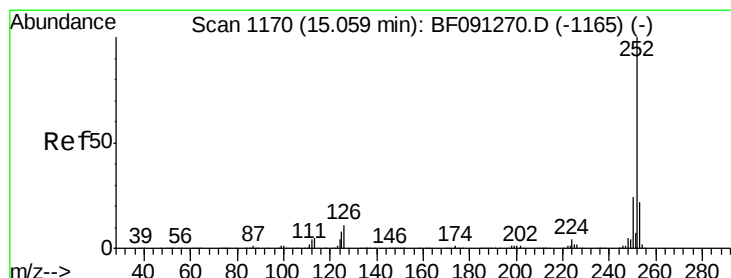
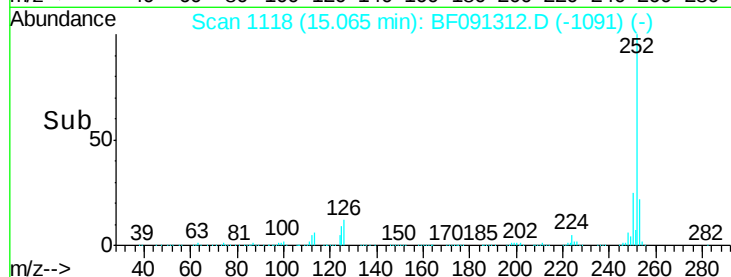
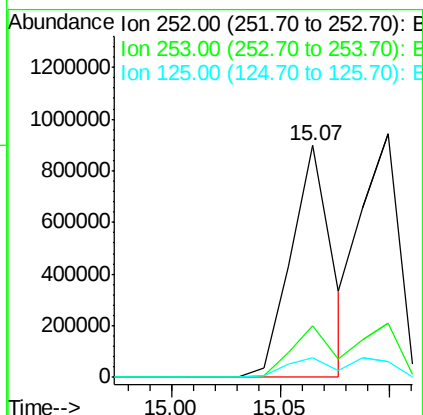
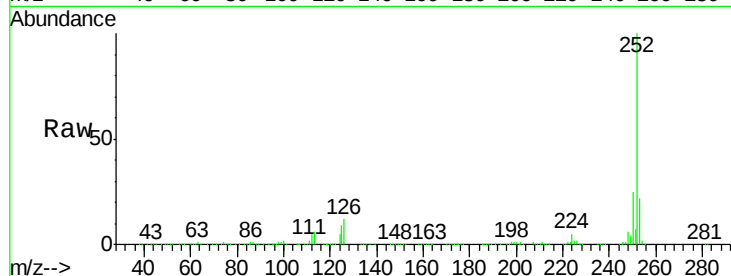




#87
Benzo(b)fluoranthene
Concen: 37.97 ng
RT: 15.07 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

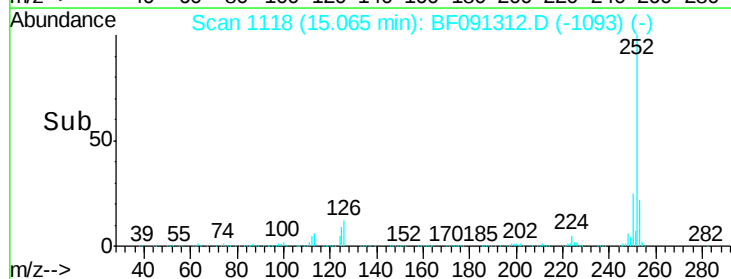
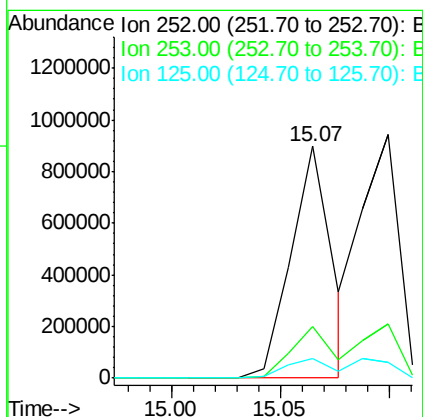
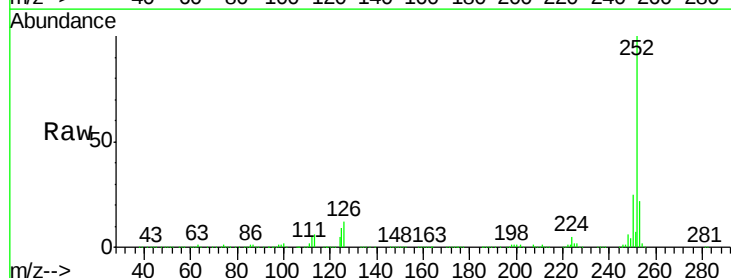
Instrument :
BNA_F
ClientSampleId :

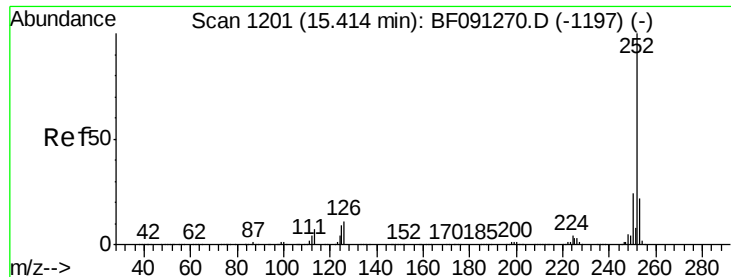
Tot Ion:252 Resp: 1163015
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 8.7 8.6 13.0



#88
Benzo(k)fluoranthene
Concen: 46.49 ng
RT: 15.07 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BF091312.D
Acq: 28 Nov 2016 12:52

Tgt Ion:252 Resp: 1163015
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 8.7 9.6 14.4#





#89

Benzo(a)pyrene

Concen: 41.05 ng

RT: 15.42 min Scan# 1149

Delta R.T. 0.01 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :

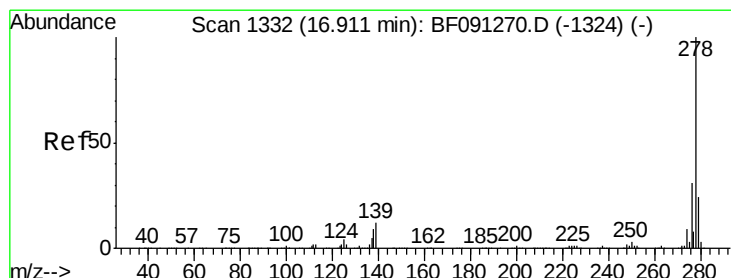
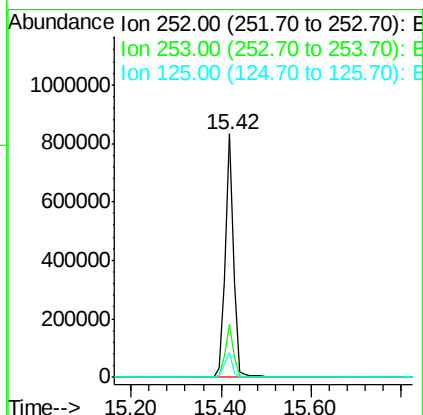
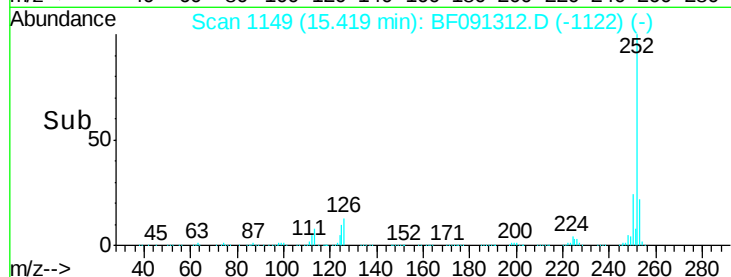
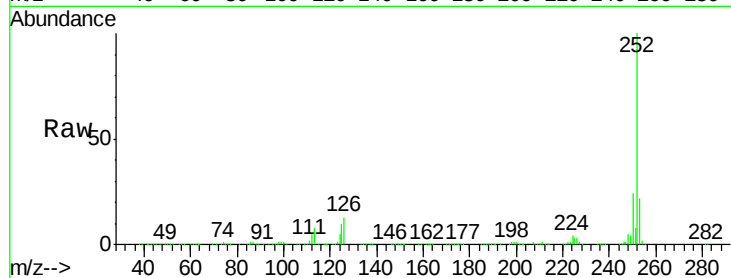
Tot Ion:252 Resp: 1069708

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.4

125 10.1 10.4 15.6#



#90

Dibenzo(a,h)anthracene

Concen: 41.25 ng

RT: 16.93 min Scan# 1281

Delta R.T. 0.02 min

Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

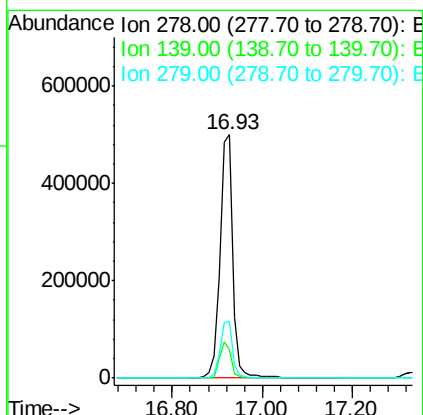
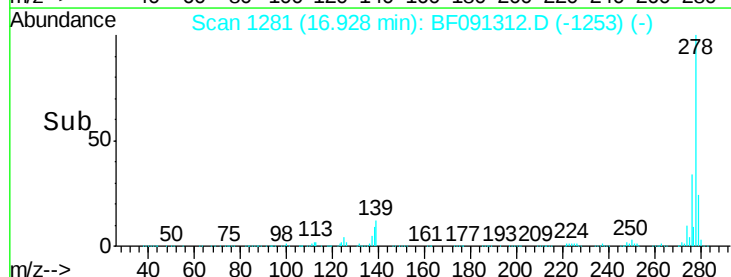
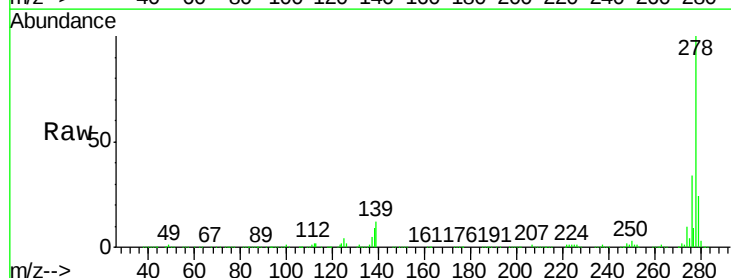
Tgt Ion:278 Resp: 992408

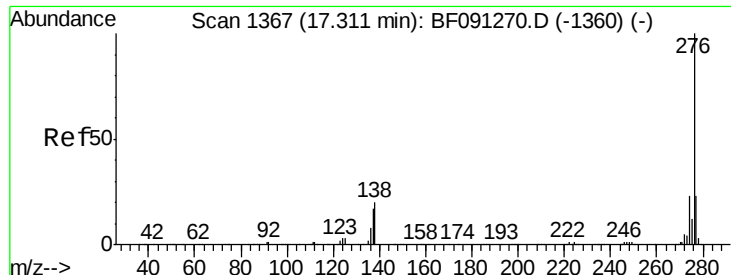
Ion Ratio Lower Upper

278 100

139 11.5 15.1 22.7#

279 23.5 19.0 28.6





#91

Benzo(a,h,i)perylene

Concen: 43.32 ng

RT: 17.33 min Scan# 1316

Delta R.T. 0.02 min

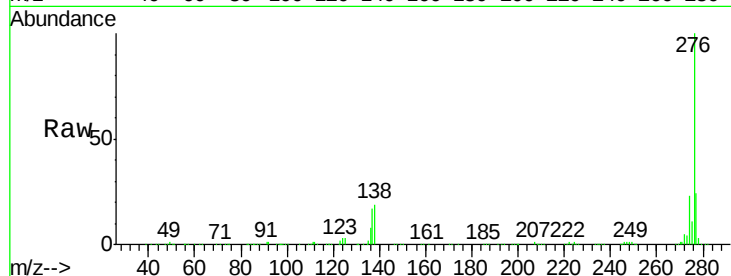
Lab File: BF091312.D

Acq: 28 Nov 2016 12:52

Instrument :

BNA_F

ClientSampleId :



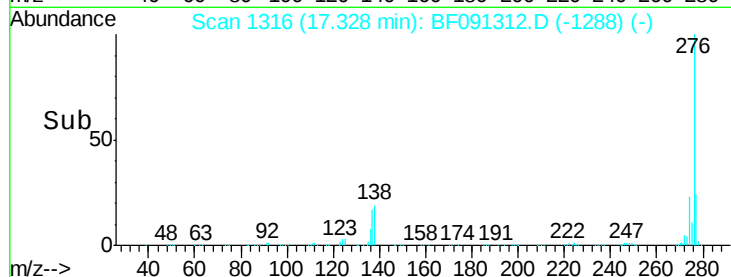
Tot Ion: 276 Resp: 1033705

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 19.3 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

