

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
 Data File : BF090633.D
 Acq On : 18 Oct 2016 17:41
 Operator : UM/SJ
 Sample : H5289-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

Quant Time: Oct 19 11:25:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	223520	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	1022699	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	508781	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	710455	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	522735	20.00	ng	0.00
86) Perylene-d12	15.54	264	511108	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	1417271	116.24	ng	0.00
7) Phenol-d6	6.54	99	1953252	107.81	ng	0.00
23) Nitrobenzene-d5	7.47	82	1316133	71.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	371986	82.01	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	2050696	66.41	ng	0.00
78) Terphenyl-d14	13.02	244	1370327	61.04	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	224019	32.24	ng	96
3) Pyridine	3.32	79	613511m	39.39	ng	
4) n-Nitrosodimethylamine	3.26	42	237563	43.42	ng	93
6) Aniline	6.63	93	1143748	52.24	ng	# 56
8) 2-Chlorophenol	6.69	128	627813	39.71	ng	85
9) Benzaldehyde	6.44	77	155113	13.47	ng	91
10) Phenol	6.55	94	696240	33.60	ng	97
11) bis(2-Chloroethyl)ether	6.63	93	1206529	70.58	ng	96
12) 1,3-Dichlorobenzene	6.84	146	613648	38.92	ng	97
13) 1,4-Dichlorobenzene	6.92	146	652471	38.05	ng	99
14) 1,2-Dichlorobenzene	7.07	146	584647	36.47	ng	96
15) Benzyl Alcohol	7.05	79	541530	43.88	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.18	45	962738	40.02	ng	91
17) 2-Methylphenol	7.16	107	464812	37.73	ng	97
18) Hexachloroethane	7.41	117	234739	34.64	ng	92
19) n-Nitroso-di-n-propylamine	7.32	70	483512	38.92	ng	# 94
20) 3+4-Methylphenols	7.32	107	618202	41.39	ng	# 70
22) Acetophenone	7.31	105	864079	38.24	ng	# 92
24) Nitrobenzene	7.49	77	709691	37.56	ng	# 83
25) Isophorone	7.73	82	1260155	37.61	ng	# 90
26) 2-Nitrophenol	7.80	139	273634	31.92	ng	99
27) 2,4-Dimethylphenol	7.85	122	499801	35.14	ng	99
28) bis(2-Chloroethoxy)methane	7.94	93	741486	37.48	ng	99
29) 2,4-Dichlorophenol	8.05	162	473829	38.03	ng	98
30) 1,2,4-Trichlorobenzene	8.13	180	521205	35.72	ng	99
31) Naphthalene	8.21	128	1796996	34.49	ng	98
32) Benzoic acid	7.93	122	53139	6.08	ng	92
33) 4-Chloroaniline	8.29	127	303682	15.25	ng	99
34) Hexachlorobutadiene	8.33	225	256524	31.46	ng	99
35) Caprolactam	8.63	113	159917	45.99	ng	97
36) 4-Chloro-3-methylphenol	8.75	107	506083	35.20	ng	92
37) 2-Methylnaphthalene	8.91	142	1187237	38.80	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	436073	32.33	ng	99
40) Hexachlorocyclopentadiene	9.06	237	259650	39.40	ng	98

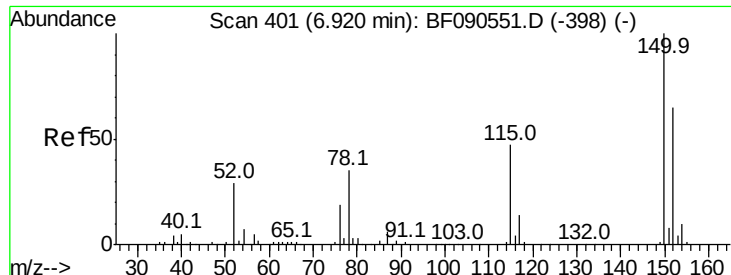
Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	299071	39.30	nq	98
43) 2,4,5-Trichlorophenol	9.23	196	308792	34.02	nq	98
45) 1,1'-Biphenyl	9.37	154	1244531	32.14	nq	97
46) 2-Chloronaphthalene	9.40	162	1016759	35.22	nq	92
47) 2-Nitroaniline	9.49	65	343522	32.82	nq	96
48) Acenaphthylene	9.81	152	1623619	35.32	nq	99
49) Dimethylphthalate	9.67	163	1552553	47.03	nq	# 99
50) 2,6-Dinitrotoluene	9.73	165	233510	32.33	nq	# 76
51) Acenaphthene	9.98	154	950638	31.11	nq	99
52) 3-Nitroaniline	9.90	138	243379	26.85	nq	97
53) 2,4-Dinitrophenol	10.01	184	29146	12.58	nq	# 81
54) Dibenzofuran	10.15	168	1431800	35.62	nq	96
55) 4-Nitrophenol	10.07	139	340465	62.42	nq	# 82
56) 2,4-Dinitrotoluene	10.14	165	325963	33.22	nq	# 81
57) Fluorene	10.50	166	1086654	32.78	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.28	232	222056	29.37	nq	98
59) Diethylphthalate	10.37	149	1203131	35.94	nq	97
60) 4-Chlorophenyl-phenylether	10.49	204	477042	30.52	nq	# 85
61) 4-Nitroaniline	10.52	138	227498	25.03	nq	97
62) Azobenzene	10.65	77	1365165	35.25	nq	94
64) 4,6-Dinitro-2-methylphenol	10.54	198	41819	9.73	nq	# 43
65) n-Nitrosodiphenylamine	10.61	169	928404	39.56	nq	100
66) 4-Bromophenyl-phenylether	10.98	248	268324	35.20	nq	# 83
67) Hexachlorobenzene	11.05	284	292039	35.28	nq	# 83
68) Atrazine	11.14	200	257234	39.63	nq	98
69) Pentachlorophenol	11.24	266	281312	68.58	nq	96
70) Phenanthrene	11.46	178	1390060	36.65	nq	100
71) Anthracene	11.51	178	1449809	35.52	nq	99
72) Carbazole	11.66	167	1091483	29.87	nq	99
73) Di-n-butylphthalate	11.99	149	1442509	33.70	nq	# 99
74) Fluoranthene	12.65	202	1334254	34.98	nq	94
76) Benzidine	12.78	184	98146	7.55	nq	97
77) Pyrene	12.87	202	1273008	36.77	nq	99
79) Butylbenzylphthalate	13.49	149	496769	32.39	nq	# 82
80) Benzo(a)anthracene	14.08	228	1232643	41.42	nq	100
81) 3,3'-Dichlorobenzidine	14.03	252	271315	26.69	nq	# 98
82) Chrysene	14.11	228	1268306	44.23	nq	100
83) Bis(2-ethylhexyl)phthalate	14.06	149	748893	36.19	nq	# 97
84) Di-n-octyl phthalate	14.67	149	1238777	44.65	nq	100
85) Indeno(1,2,3-cd)pyrene	17.00	276	992831	59.89	nq	98
87) Benzo(b)fluoranthene	15.12	252	1708909m	51.10	nq	
88) Benzo(k)fluoranthene	15.15	252	913804m	25.39	nq	
89) Benzo(a)pyrene	15.48	252	1109628	36.24	nq	98
90) Dibenzo(a,h)anthracene	17.01	278	801201	34.31	nq	96
91) Benzo(g,h,i)perylene	17.44	276	747087	33.55	nq	96

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

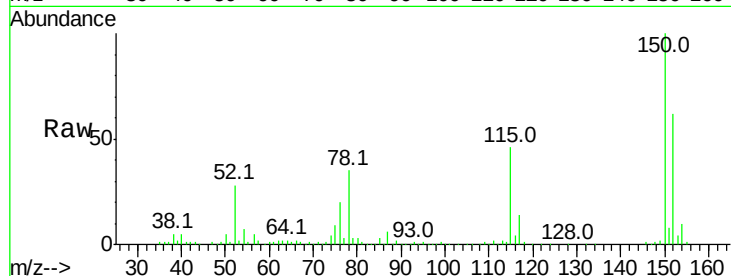


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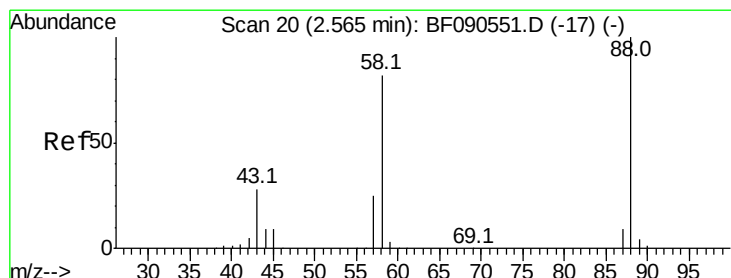
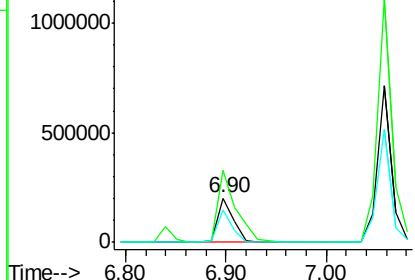
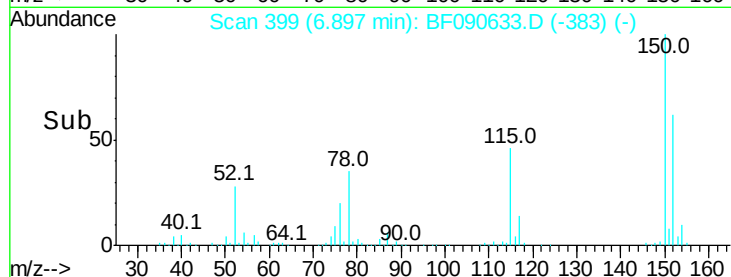
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

Tot Ion:152 Resp: 223520
Ion Ratio Lower Upper
152 100
150 161.1 127.2 190.8
115 73.7 58.6 88.0



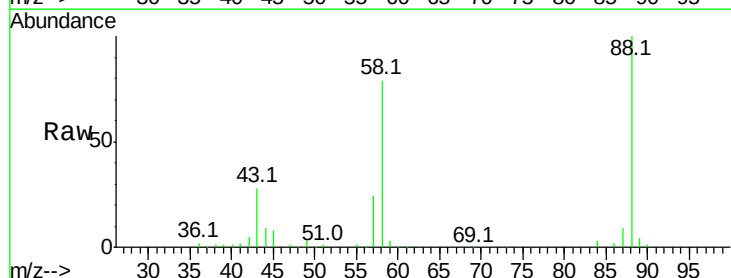
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



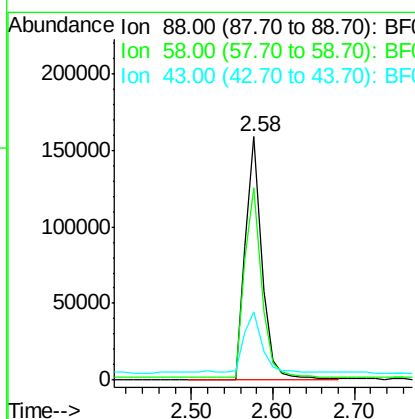
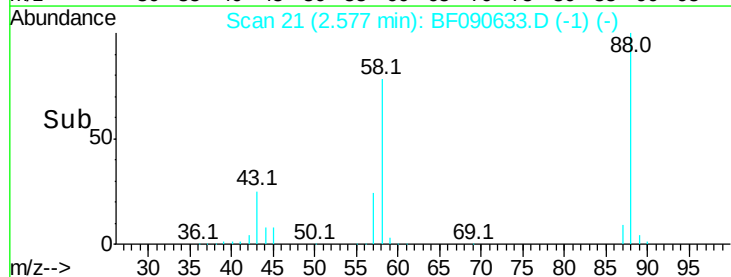
#2

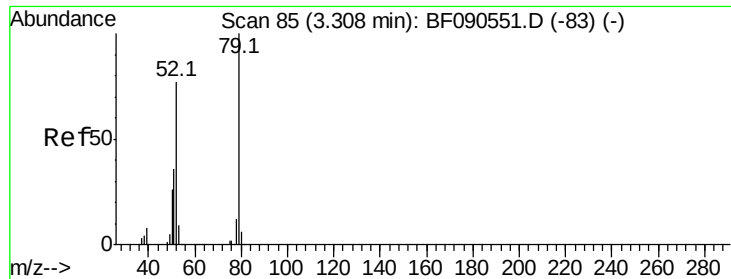
1,4-Dioxane
Concen: 32.24 ng
RT: 2.58 min Scan# 21
Delta R.T. 0.05 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion: 88 Resp: 224019
Ion Ratio Lower Upper
88 100
58 80.8 67.2 100.8
43 27.2 24.1 36.1



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

Pvrindine

Concen: 39.39 ng/ml

RT: 3.32 min Scan# 86

Delta R.T. 0.05 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

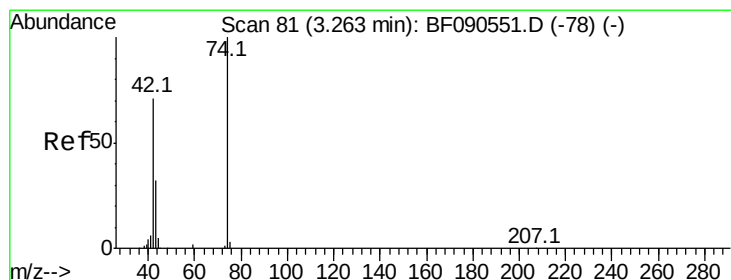
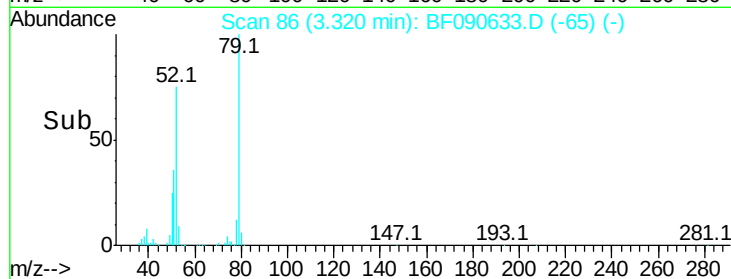
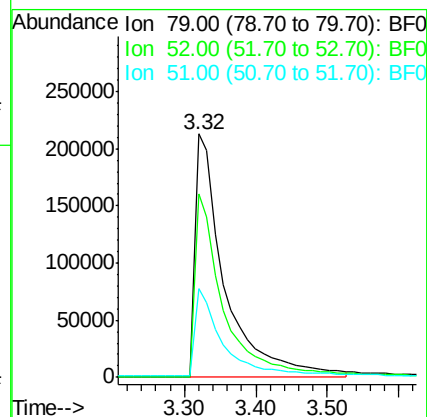
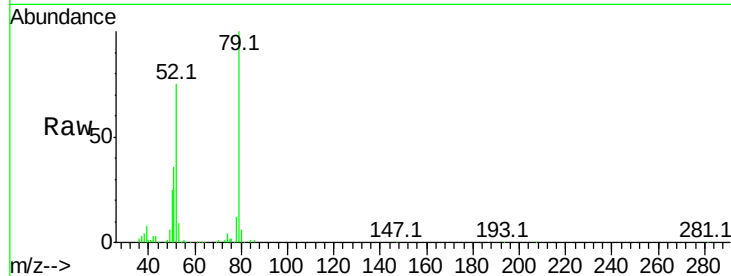
Tot Ion: 79 Resp: 613511

Ion Ratio Lower Upper

79 100

52 75.5 61.8 92.8

51 36.2 29.2 43.8



#4

n-Nitrosodimethylamine

Concen: 43.42 ng/ml

RT: 3.26 min Scan# 81

Delta R.T. 0.03 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

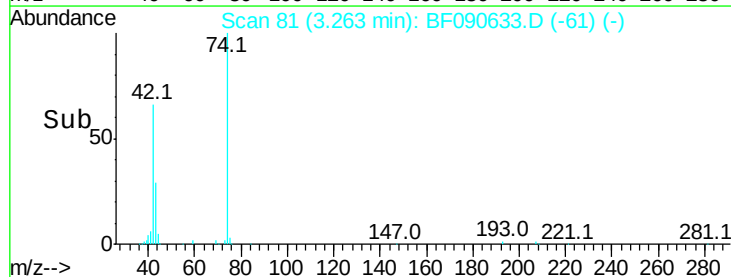
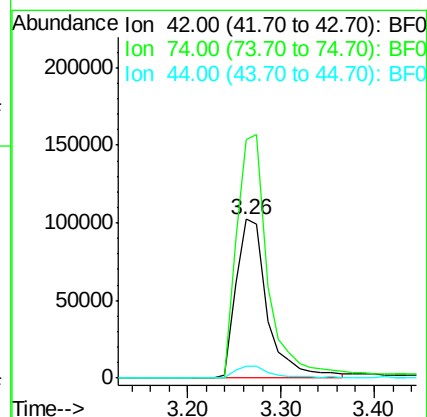
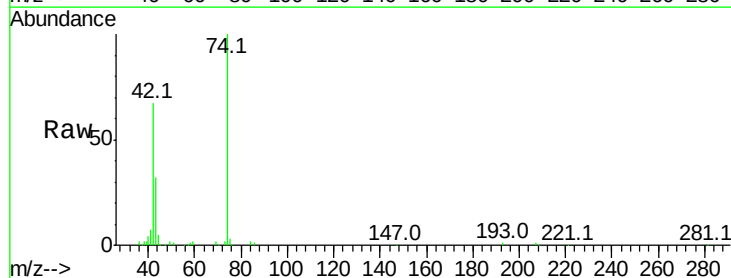
Tgt Ion: 42 Resp: 237563

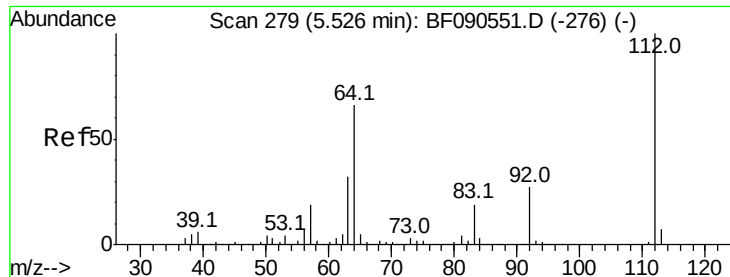
Ion Ratio Lower Upper

42 100

74 150.2 113.3 169.9

44 7.5 6.0 9.0





#5

2-Fluorophenol

Concen: 116.24 ng

RT: 5.51 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

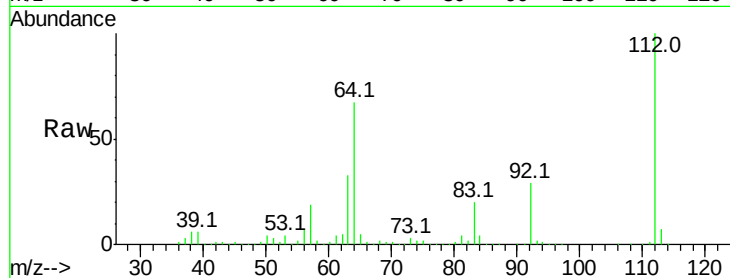
Tot Ion:112 Resp: 1417271

Ion Ratio Lower Upper

112 100

64 67.1 52.6 78.8

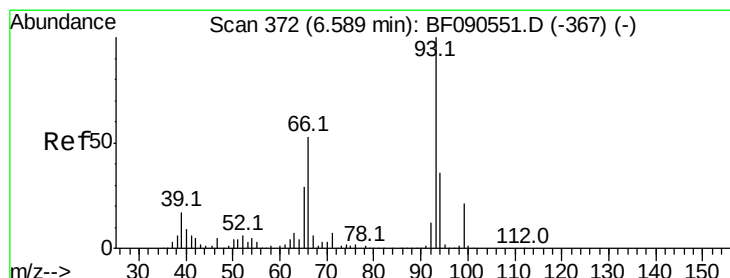
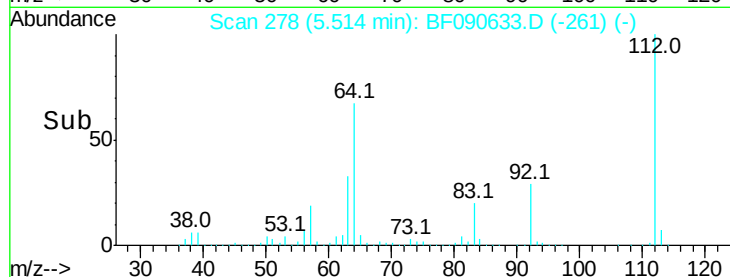
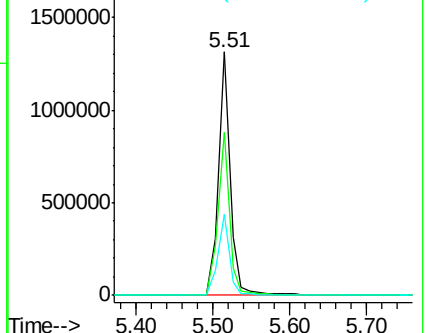
63 33.0 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 52.24 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.06 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

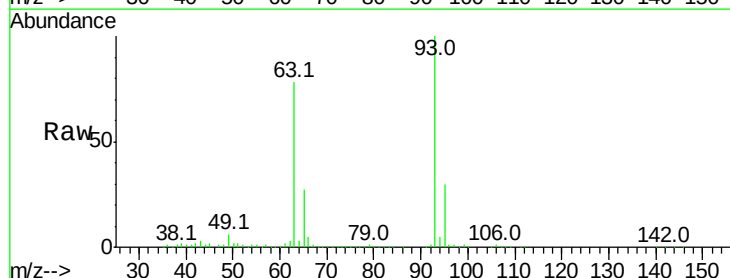
Tgt Ion: 93 Resp: 1143748

Ion Ratio Lower Upper

93 100

66 5.5 42.2 63.2#

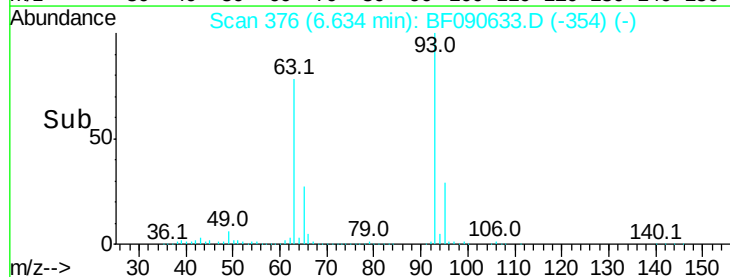
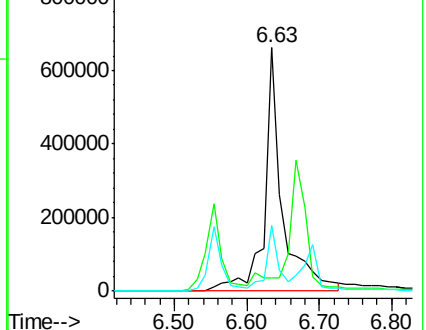
65 27.1 22.9 34.3

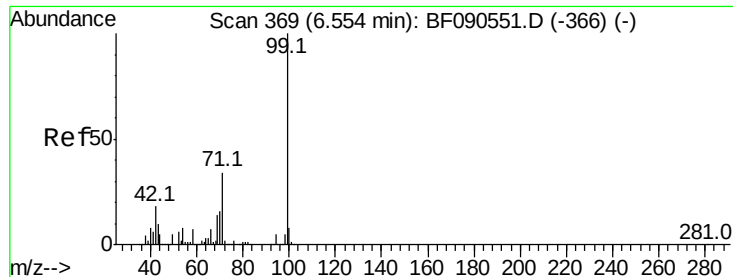


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 107.81 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

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ClientSampleId :

SP-3-2MSD

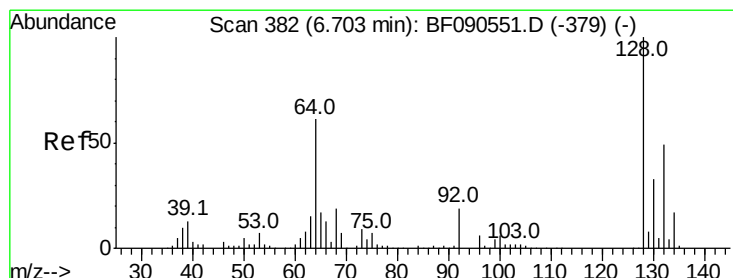
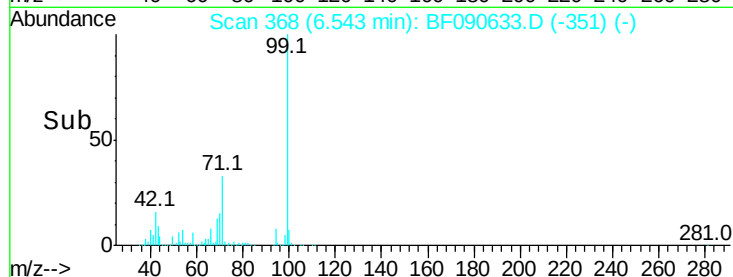
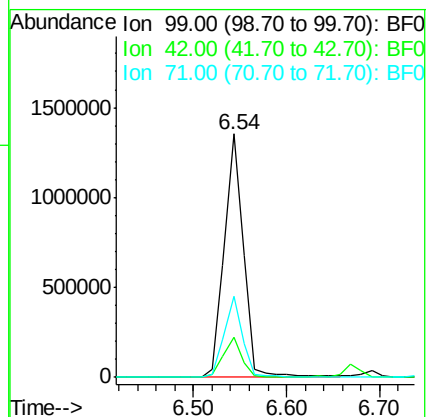
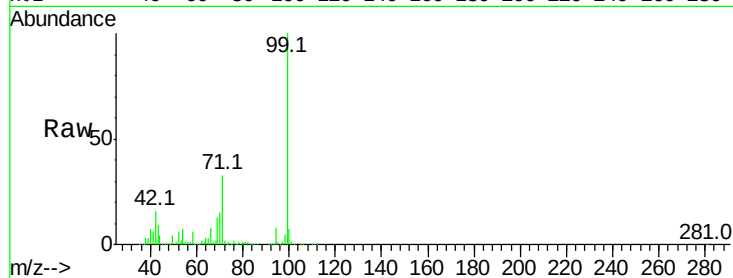
Tot Ion: 99 Resp: 1953252

Ion Ratio Lower Upper

99 100

42 16.3 14.7 22.1

71 33.5 27.6 41.4



#8

2-Chlorophenol

Concen: 39.71 ng

RT: 6.69 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

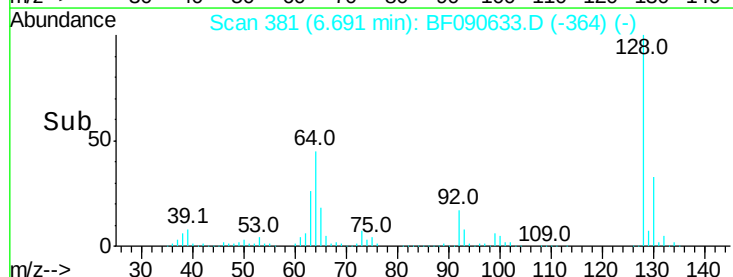
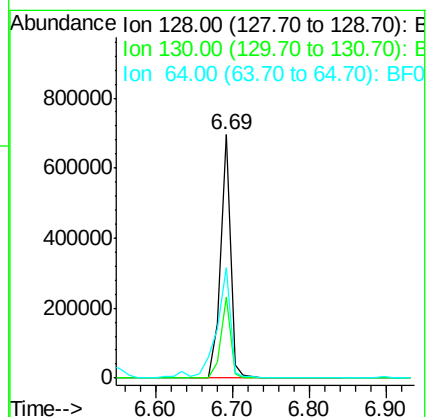
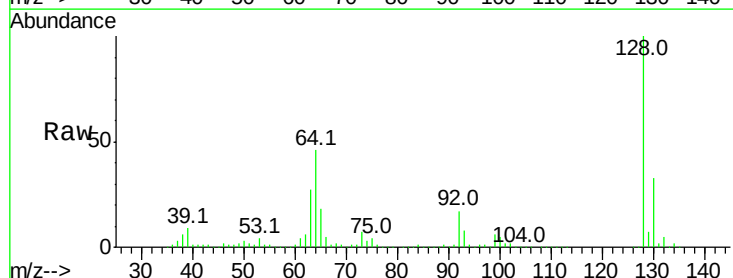
Tgt Ion: 128 Resp: 627813

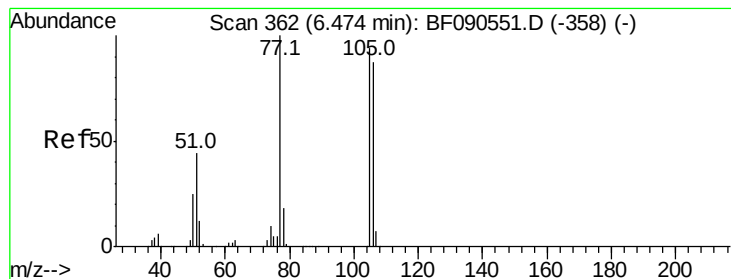
Ion Ratio Lower Upper

128 100

130 33.5 12.6 52.6

64 45.5 42.6 82.6





#9

Benzaldehyde

Concen: 13.47 ng

RT: 6.44 min Scan# 359

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

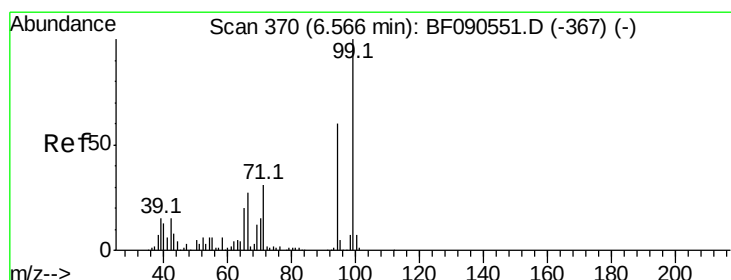
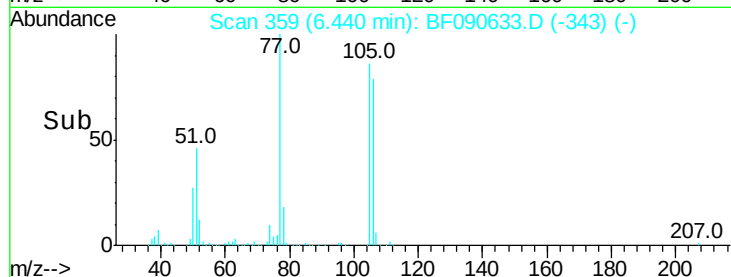
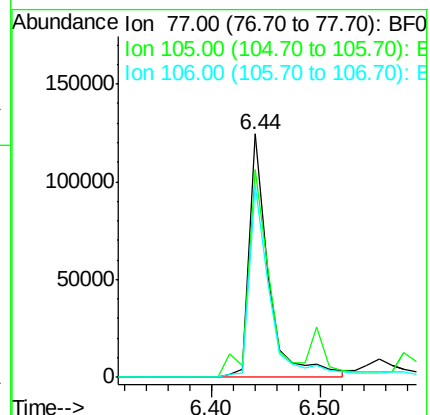
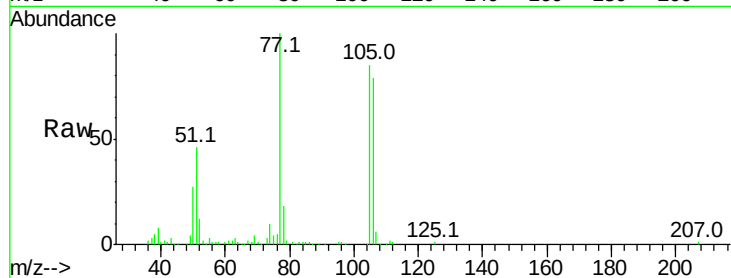
Tot Ion: 77 Resp: 155113

Ion Ratio Lower Upper

77 100

105 85.5 74.3 114.3

106 79.2 67.2 107.2



#10

Phenol

Concen: 33.60 ng

RT: 6.55 min Scan# 369

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

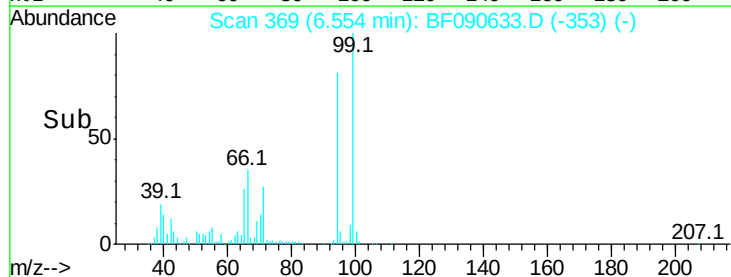
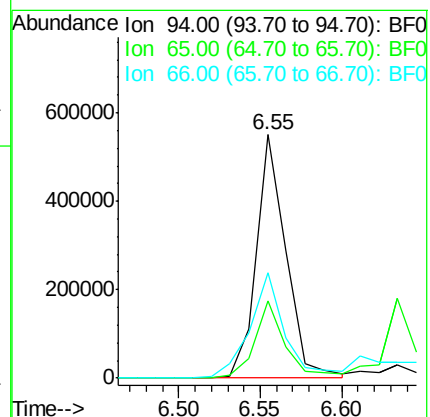
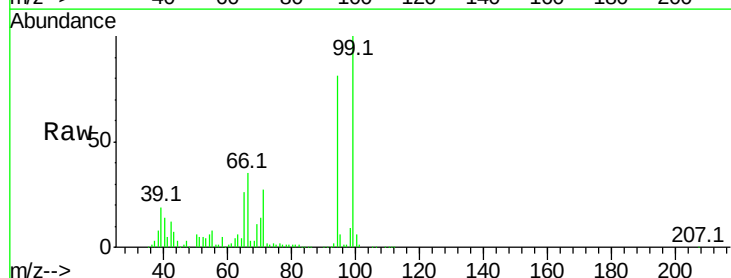
Tgt Ion: 94 Resp: 696240

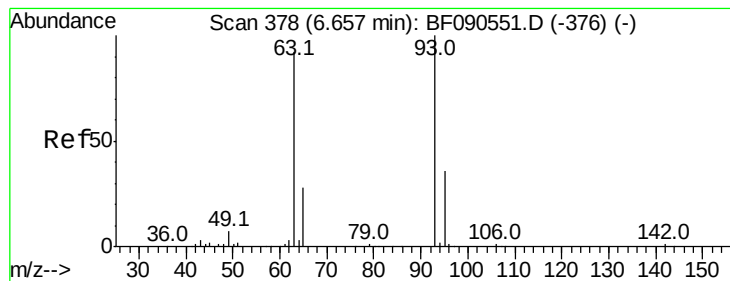
Ion Ratio Lower Upper

94 100

65 31.7 12.5 52.5

66 43.2 25.5 65.5



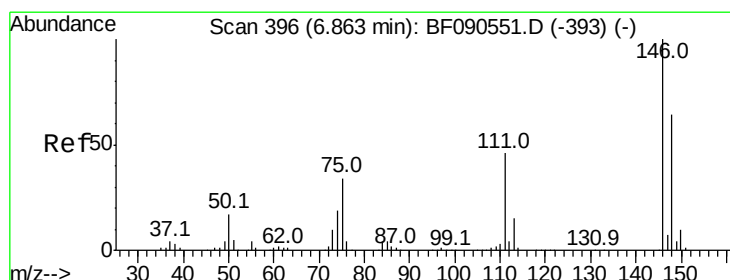
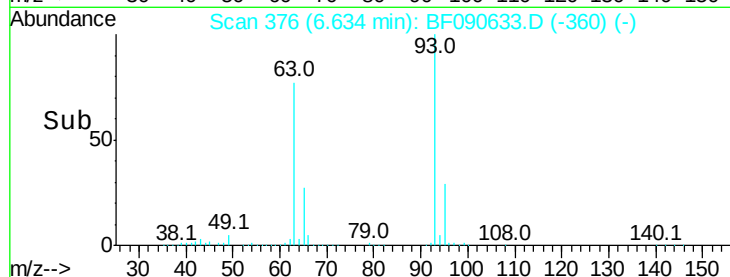
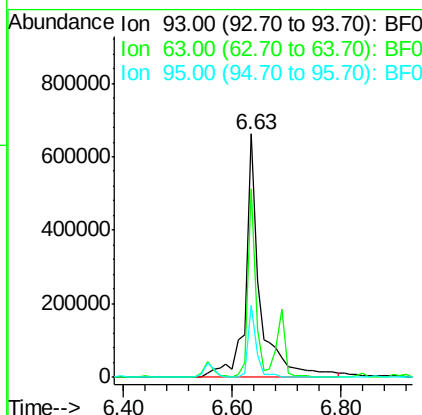
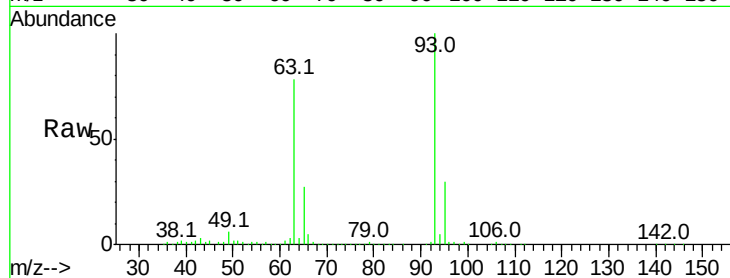


#11
bis(2-Chloroethyl)ether
Concen: 70.58 ng
RT: 6.63 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

Tot Ion: 93 Resp: 1206529

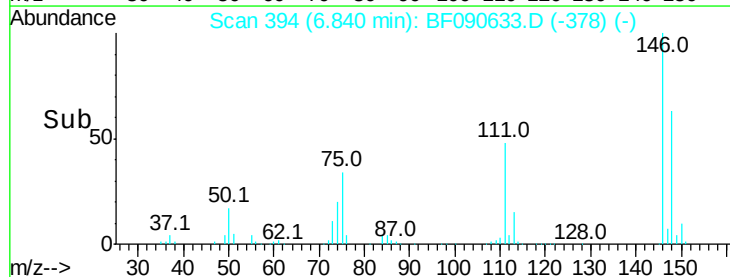
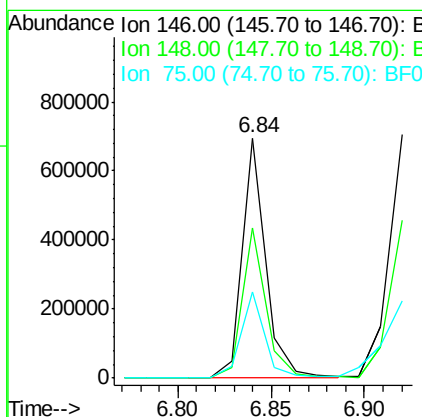
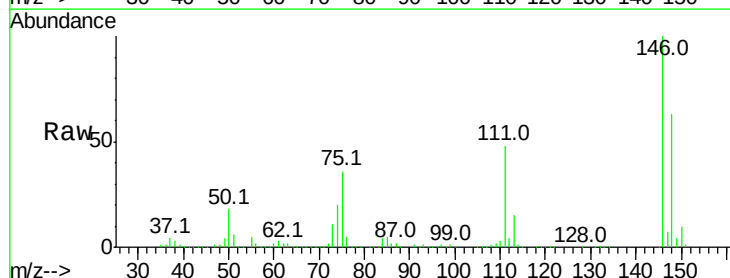
Ion	Ratio	Lower	Upper
93	100		
63	77.7	61.6	101.6
95	29.6	11.8	51.8

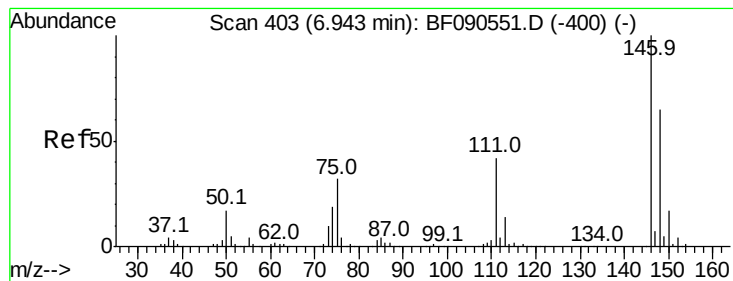


#12
1,3-Dichlorobenzene
Concen: 38.92 ng
RT: 6.84 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion: 146 Resp: 613648

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.4	77.2
75	35.9	27.0	40.6





#13

1,4-Dichlorobenzene

Concen: 38.05 ng

RT: 6.92 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

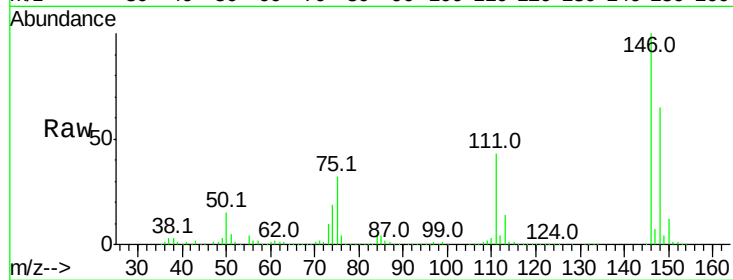
Tot Ion:146 Resp: 652471

Ion Ratio Lower Upper

146 100

148 64.9 51.9 77.9

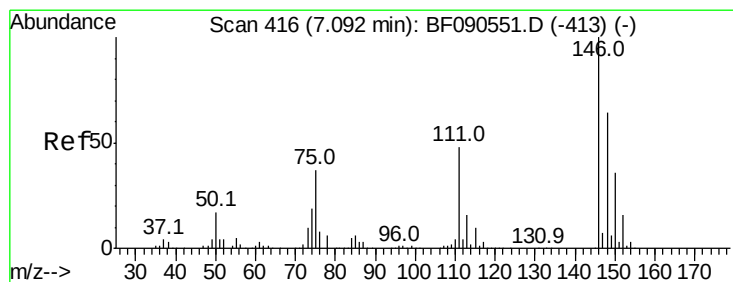
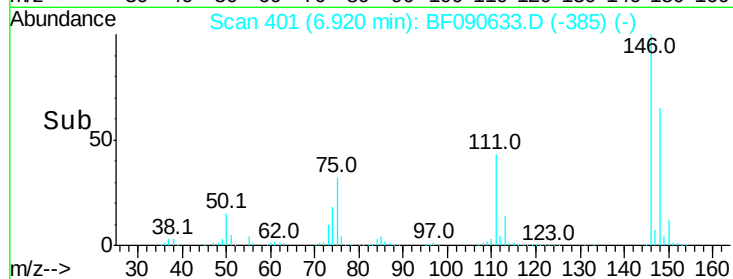
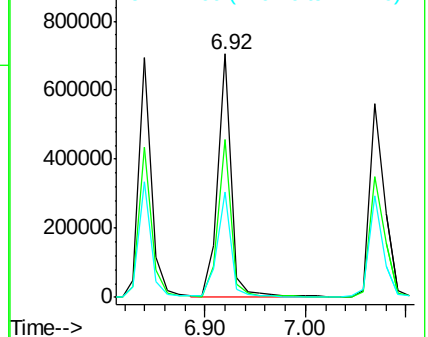
111 43.4 33.7 50.5



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: 36.47 ng

RT: 7.07 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

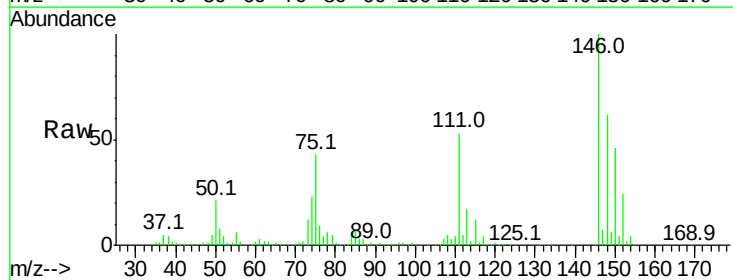
Tgt Ion:146 Resp: 584647

Ion Ratio Lower Upper

146 100

148 62.4 51.2 76.8

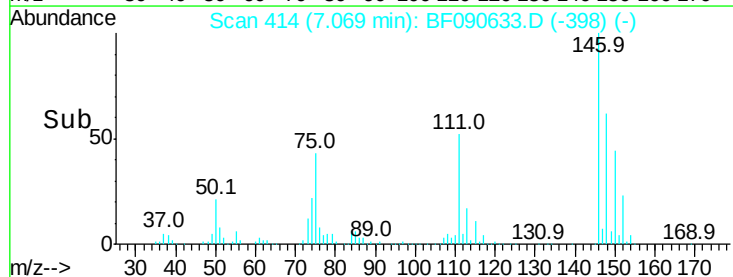
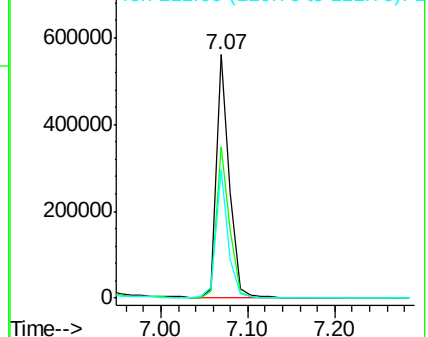
111 52.5 38.2 57.2

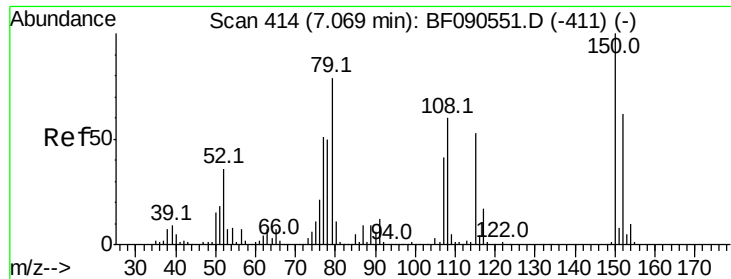


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.88 ng

RT: 7.05 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

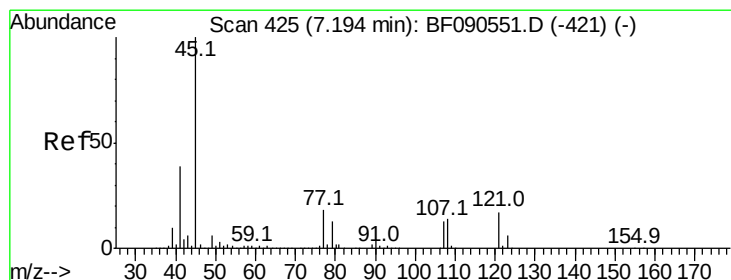
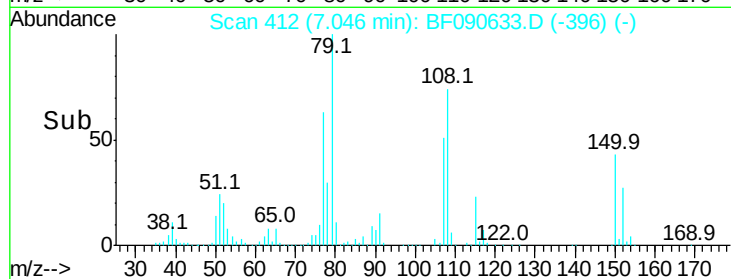
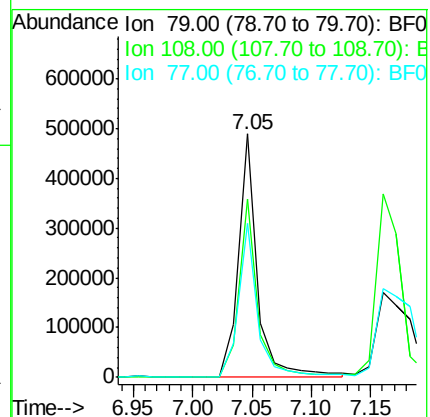
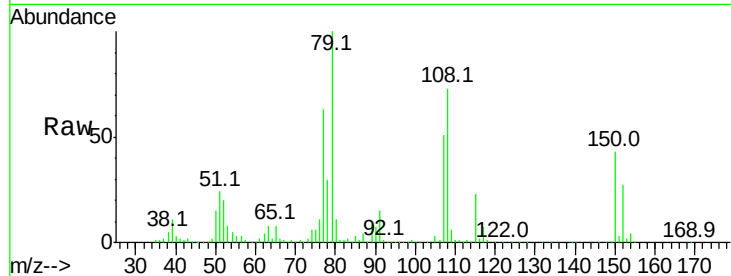
Tot Ion: 79 Resp: 541530

Ion Ratio Lower Upper

79 100

108 73.4 60.2 90.4

77 63.2 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.02 ng

RT: 7.18 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

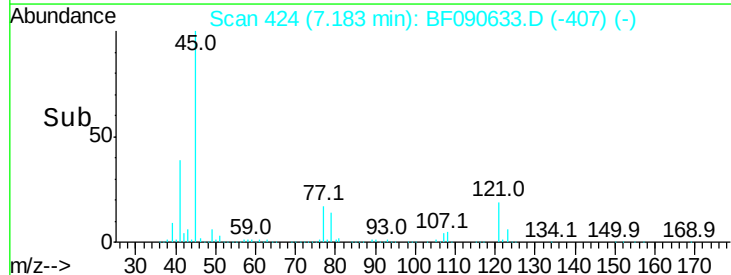
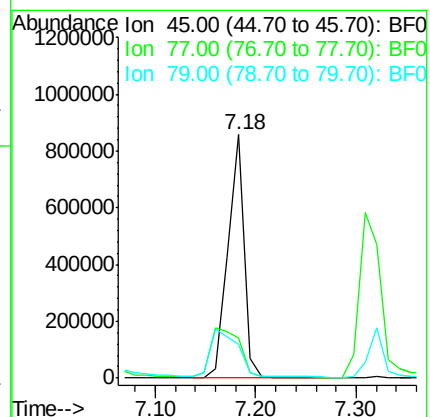
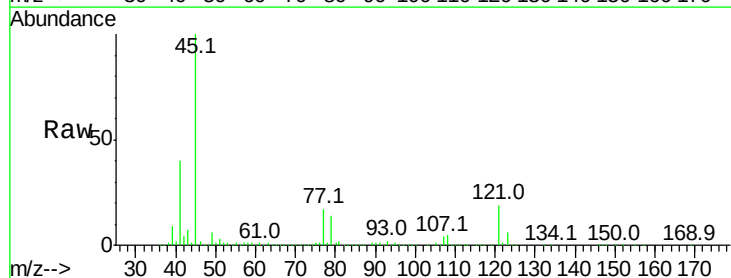
Tgt Ion: 45 Resp: 962738

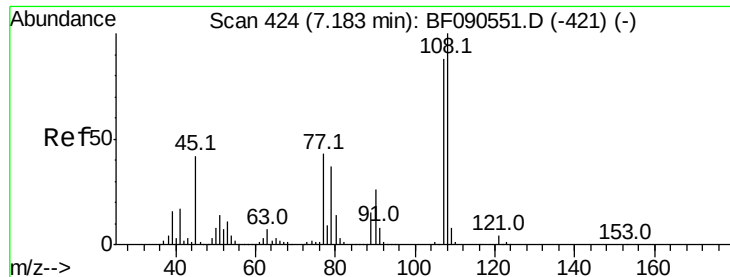
Ion Ratio Lower Upper

45 100

77 16.6 0.9 40.9

79 13.6 0.0 37.3





#17

2-Methylphenol

Concen: 37.73 ng

RT: 7.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampled :

SP-3-2MSD

Tot Ion:107 Resp: 464812

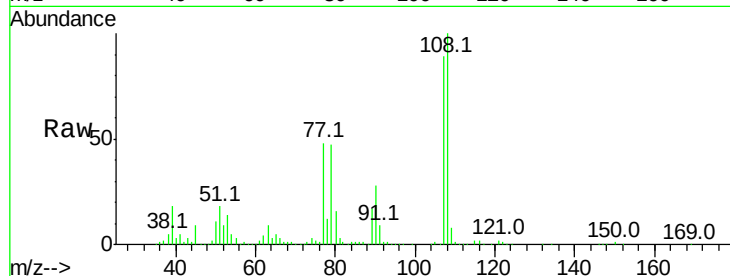
Ion Ratio Lower Upper

107 100

108 112.4 92.6 138.8

77 54.2 42.2 63.2

79 52.3 40.7 61.1

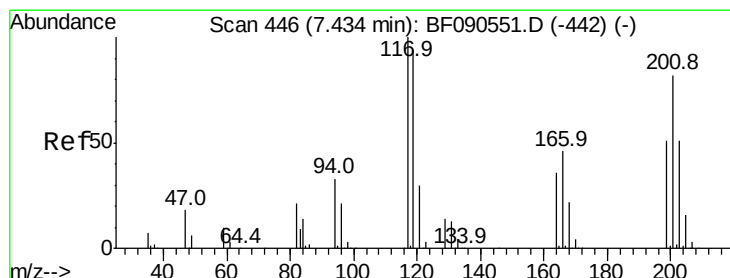
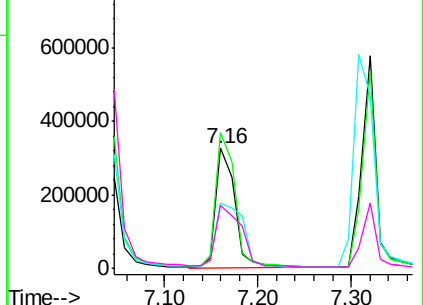
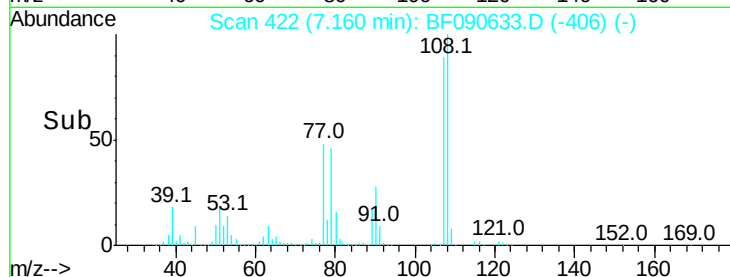


Abundance Ion 107.00 (106.70 to 107.70): E

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: 34.64 ng

RT: 7.41 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

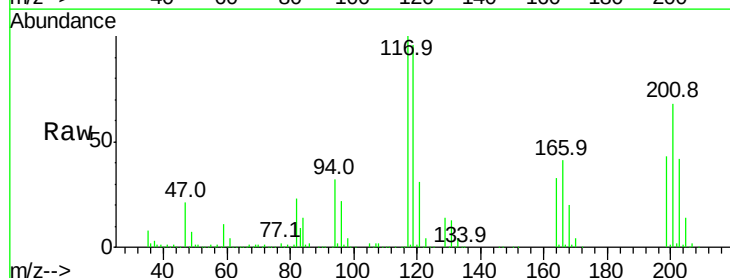
Tgt Ion:117 Resp: 234739

Ion Ratio Lower Upper

117 100

119 96.1 75.6 113.4

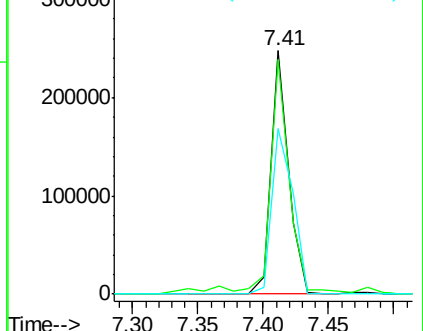
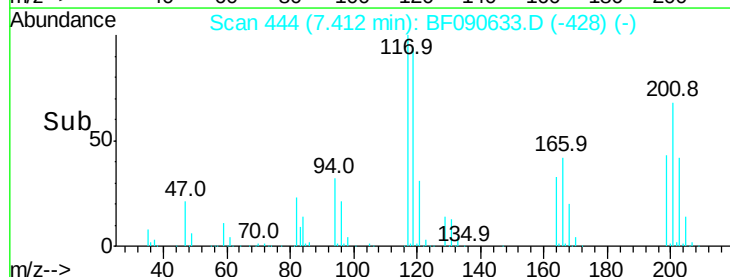
201 68.1 65.4 98.0

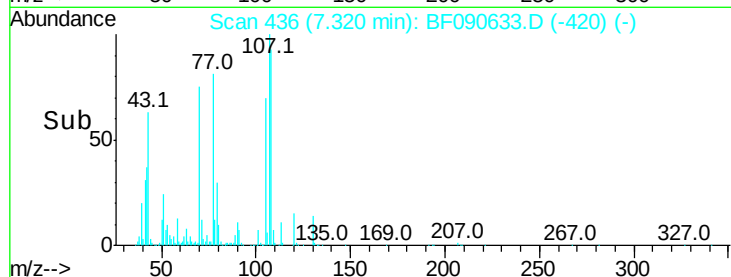
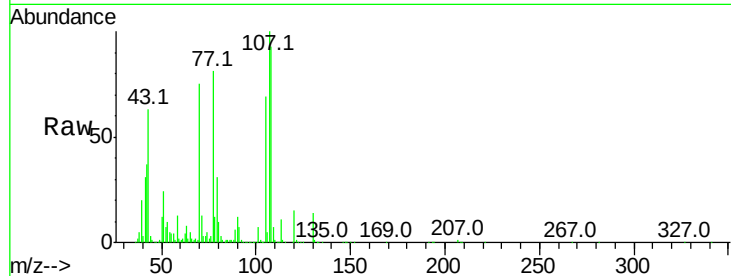
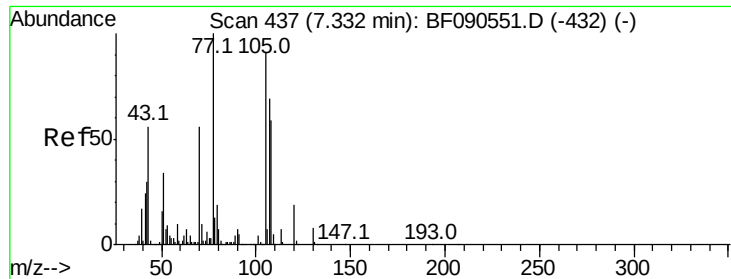


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

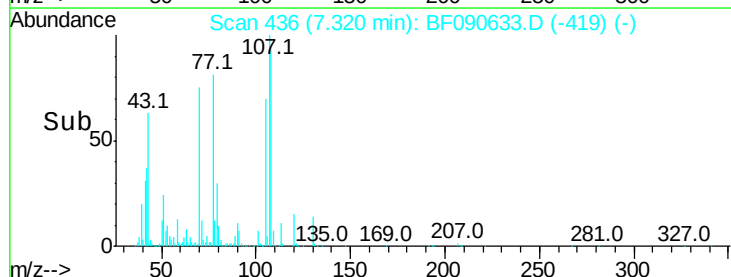
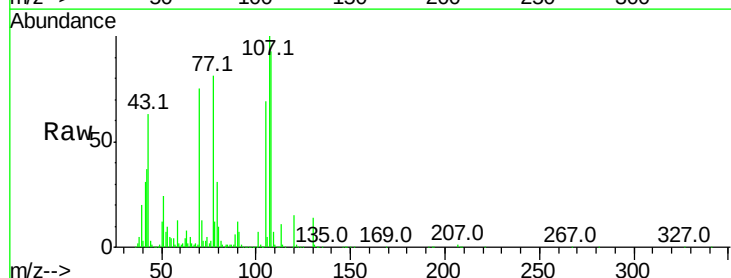
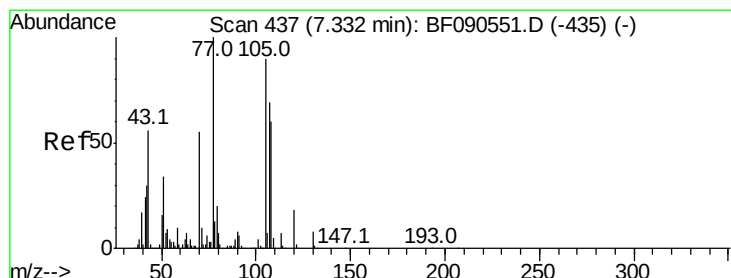
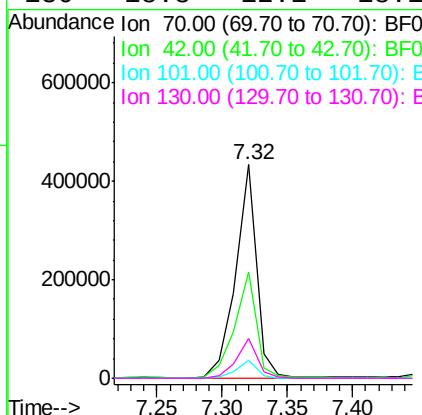




#19
n-Nitroso-di-n-propylamine
Concen: 38.92 ng
RT: 7.32 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

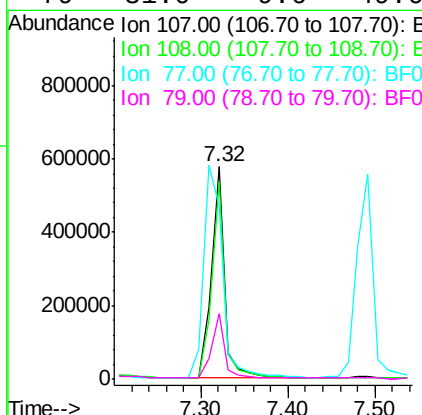
Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

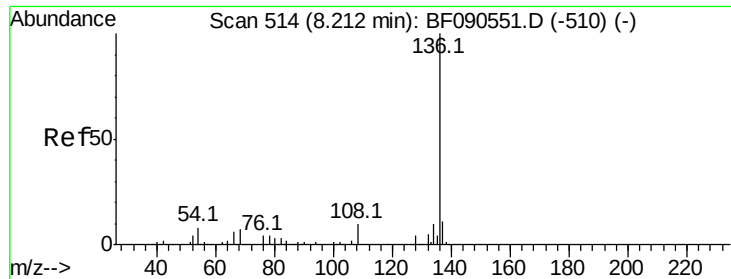
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	49.8	43.4	65.0	
101	8.7	6.4	9.6	
130	18.8	12.1	18.1#	



#20
3+4-Methylphenols
Concen: 41.39 ng
RT: 7.32 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	92.9	67.7	107.7	
77	81.3	123.1	163.1#	
79	31.0	9.6	49.6	



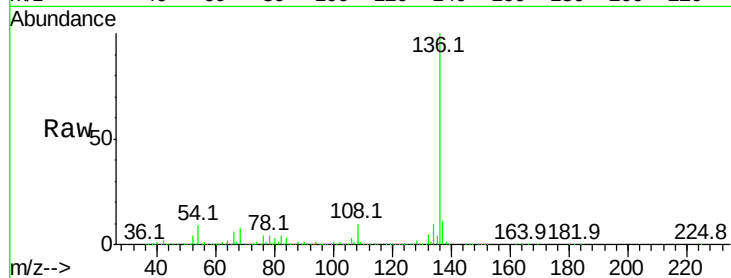


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

Tot Ion:136 Resp: 1022699

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	9.0	6.8	10.2
68	8.2	6.0	9.0

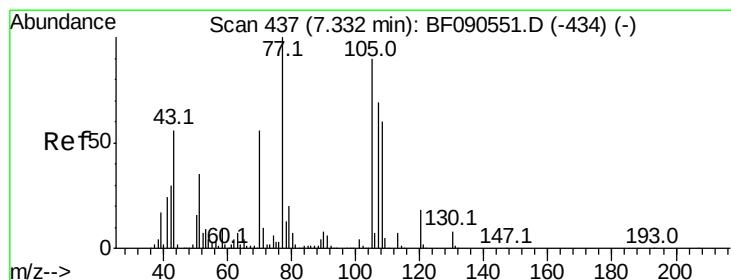
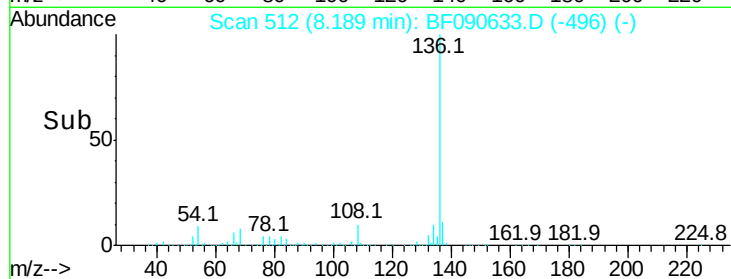
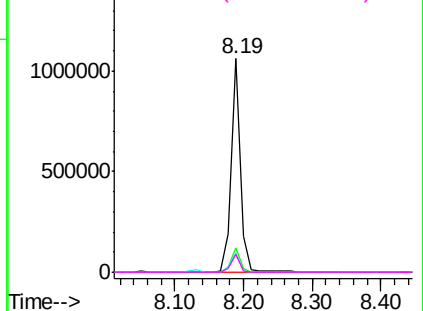


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.24 ng
RT: 7.31 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion:105 Resp: 864079

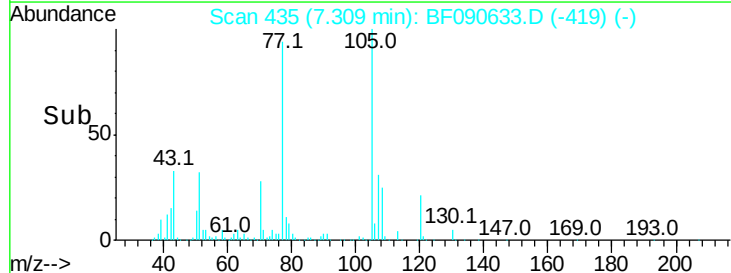
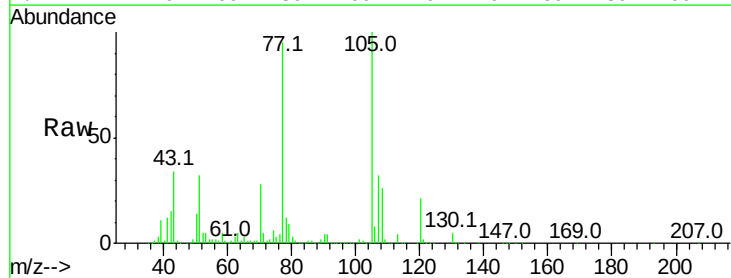
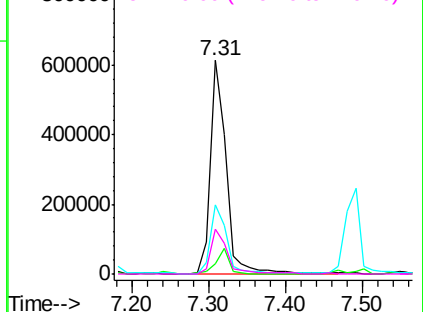
Ion	Ratio	Lower	Upper
105	100		
71	4.9	8.5	12.7#
51	32.4	31.0	46.4
120	20.8	16.2	24.4

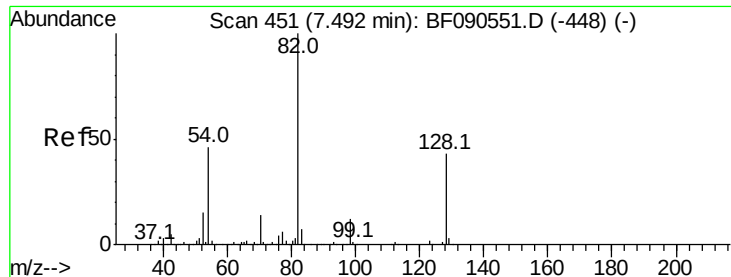
Abundance Ion 105.00 (104.70 to 105.70): E

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

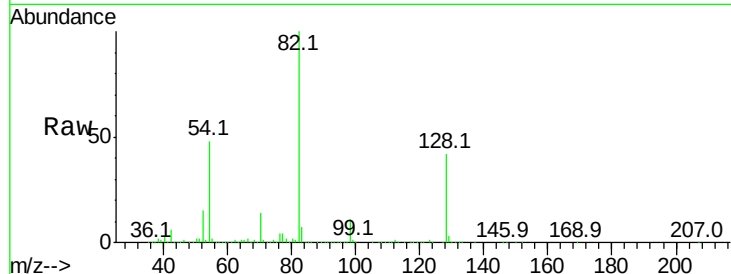




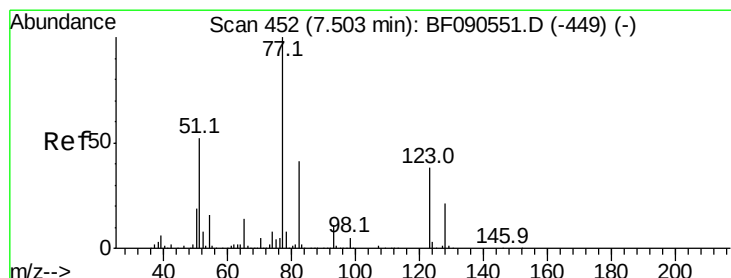
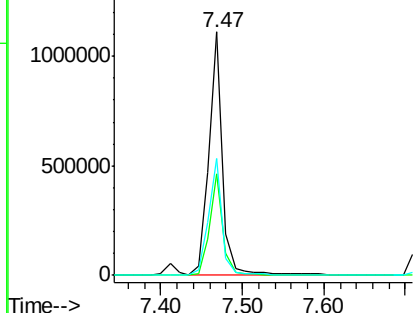
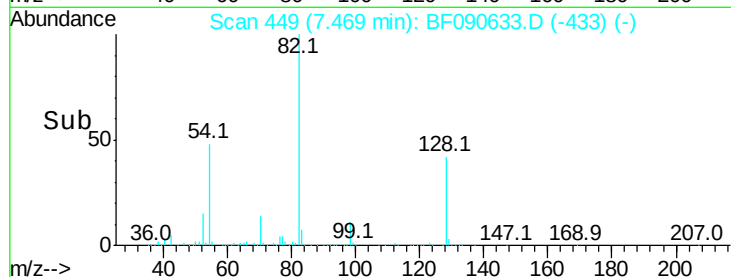
#23
 Nitrobenzene-d5
 Concen: 71.49 ng
 RT: 7.47 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

Tot Ion: 82 Resp: 1316133
 Ion Ratio Lower Upper
 82 100
 128 41.9 34.3 51.5
 54 47.8 37.0 55.6

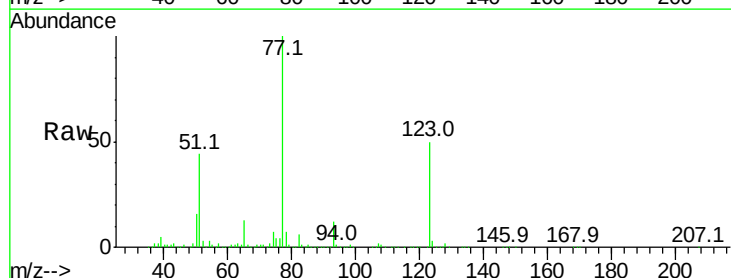


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

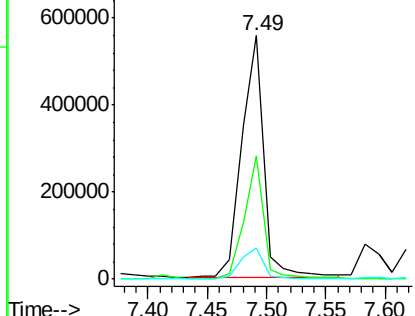
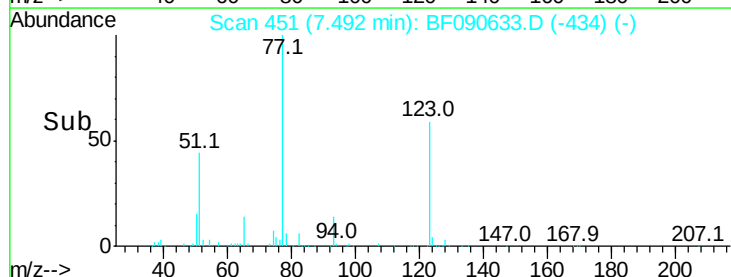


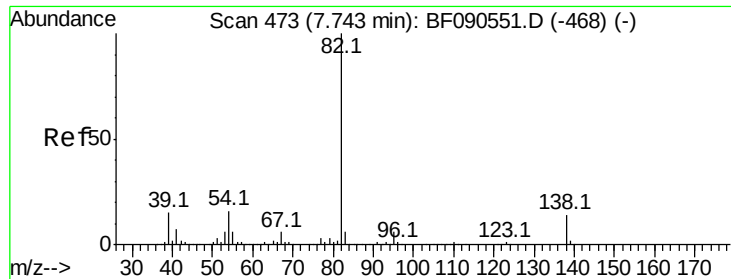
#24
 Nitrobenzene
 Concen: 37.56 ng
 RT: 7.49 min Scan# 451
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion: 77 Resp: 709691
 Ion Ratio Lower Upper
 77 100
 123 50.5 29.8 44.6#
 65 12.9 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 37.61 ng

RT: 7.73 min Scan# 472

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

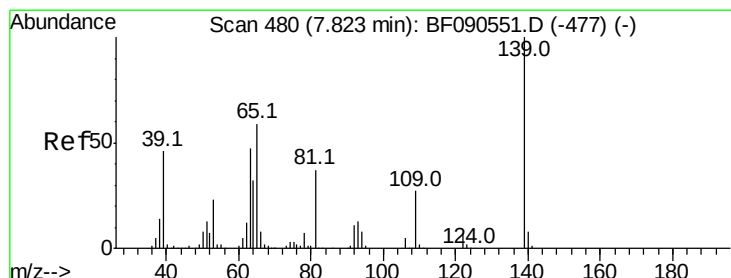
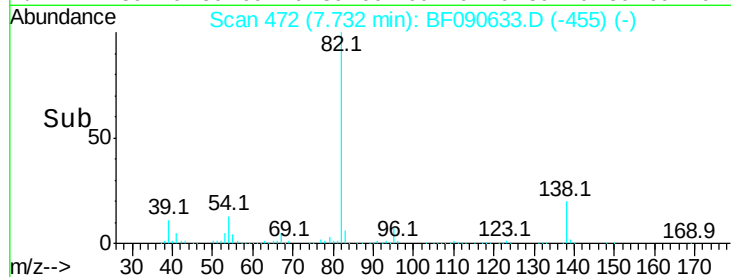
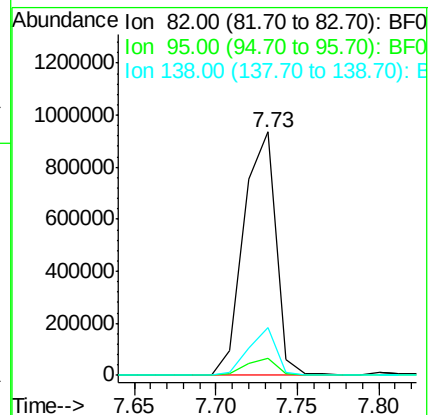
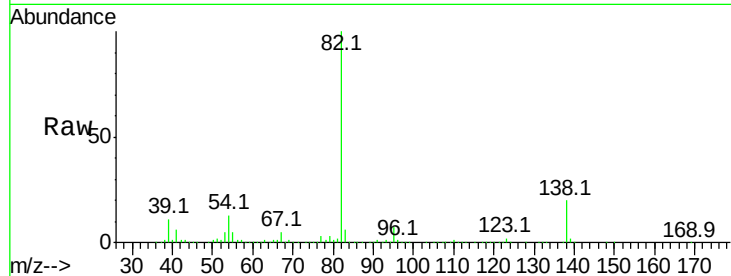
Tot Ion: 82 Resp: 1260155

Ion Ratio Lower Upper

82 100

95 6.8 5.0 7.6

138 19.8 11.5 17.3#



#26

2-Nitrophenol

Concen: 31.92 ng

RT: 7.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

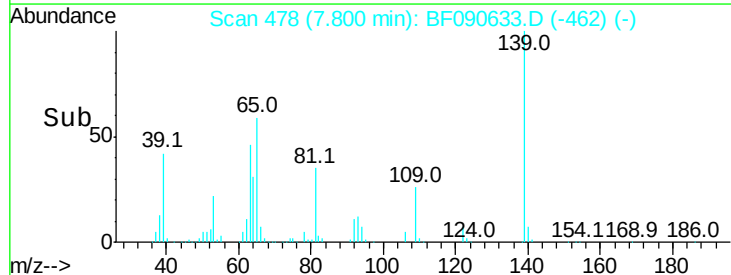
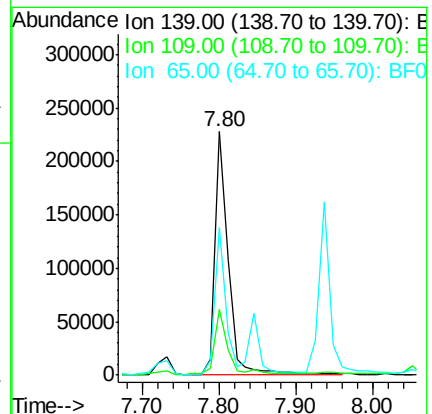
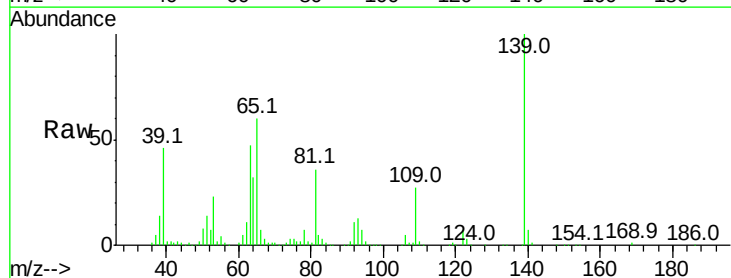
Tgt Ion: 139 Resp: 273634

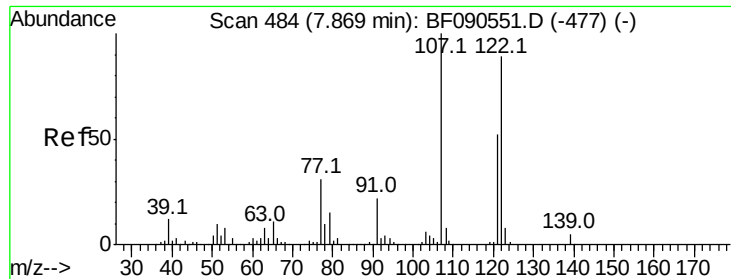
Ion Ratio Lower Upper

139 100

109 26.8 21.8 32.6

65 60.4 47.7 71.5





#27

2,4-Dimethylphenol

Concen: 35.14 ng

RT: 7.85 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

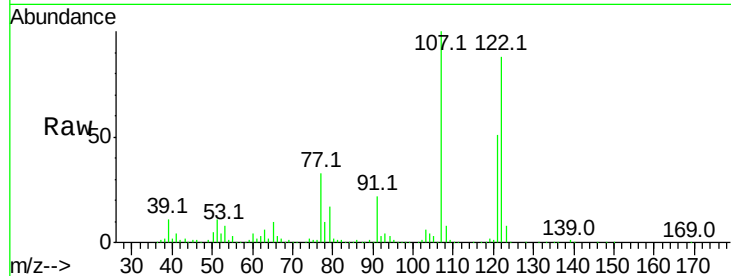
Tot Ion:122 Resp: 499801

Ion Ratio Lower Upper

122 100

107 113.7 89.8 134.6

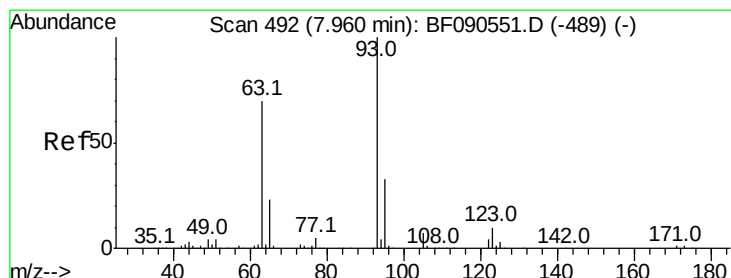
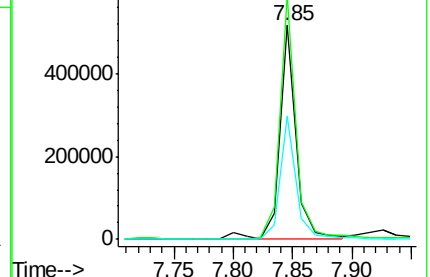
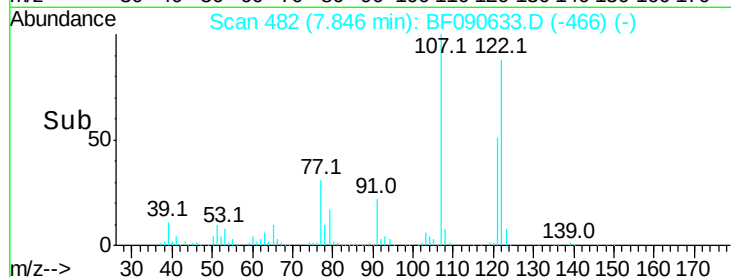
121 57.9 46.1 69.1



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: 37.48 ng

RT: 7.94 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

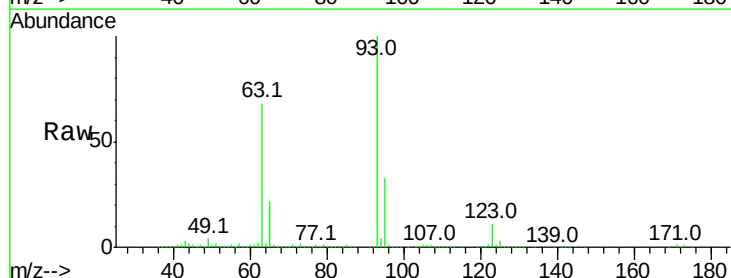
Tgt Ion: 93 Resp: 741486

Ion Ratio Lower Upper

93 100

95 33.3 26.2 39.2

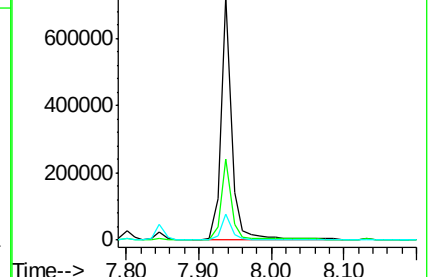
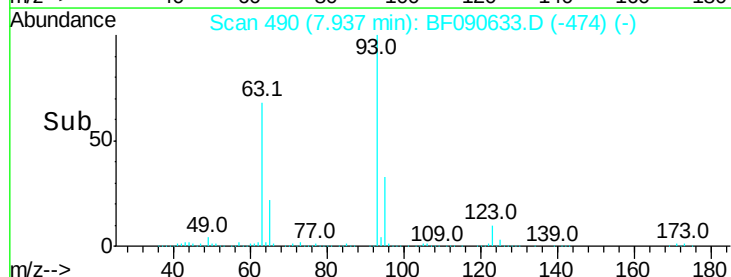
123 10.5 8.6 13.0

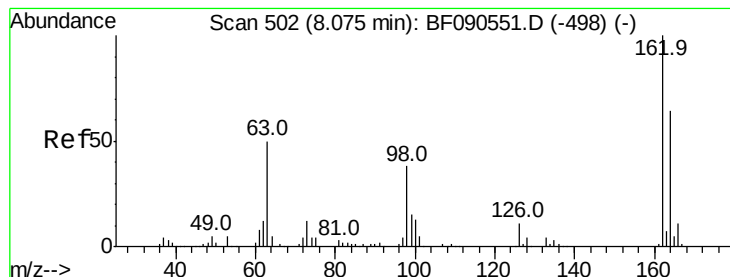


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 38.03 ng

RT: 8.05 min Scan# 500

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

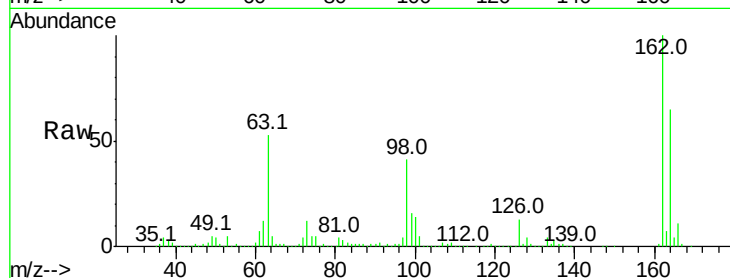
Tot Ion:162 Resp: 473829

Ion Ratio Lower Upper

162 100

164 65.0 44.0 84.0

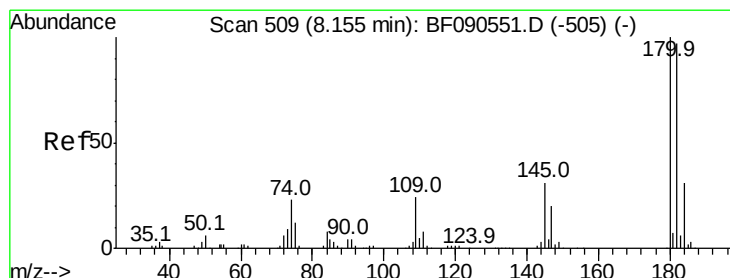
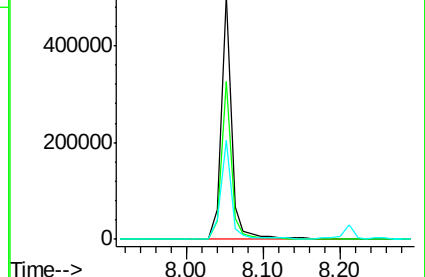
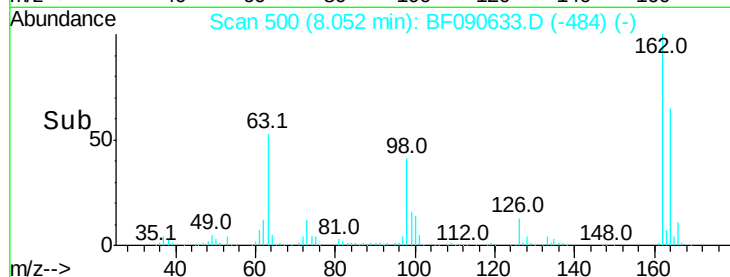
98 40.8 18.0 58.0



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: 35.72 ng

RT: 8.13 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

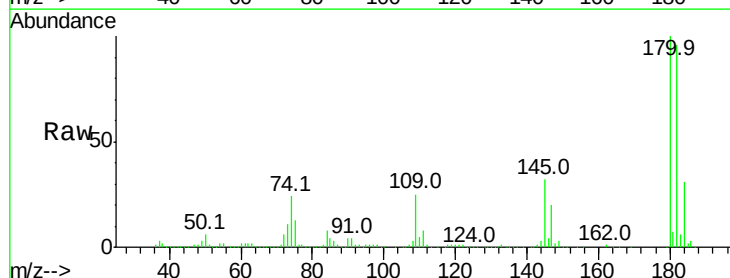
Tgt Ion:180 Resp: 521205

Ion Ratio Lower Upper

180 100

182 95.6 77.2 115.8

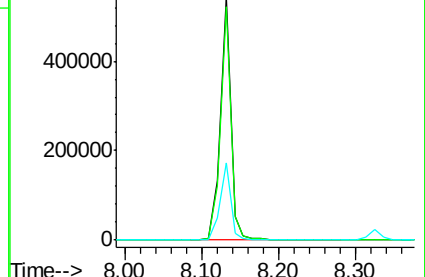
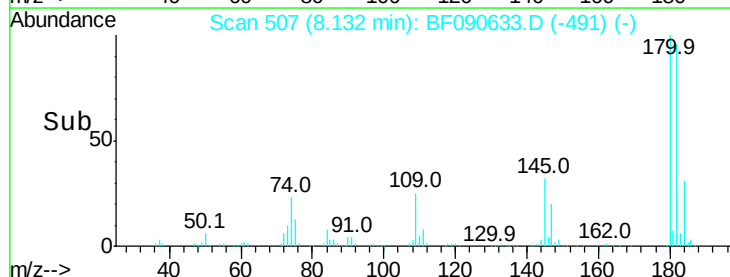
145 32.0 24.4 36.6

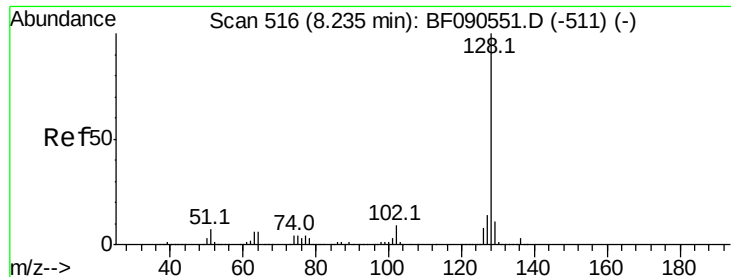


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

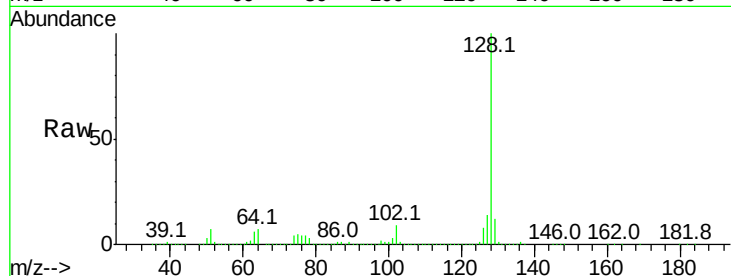




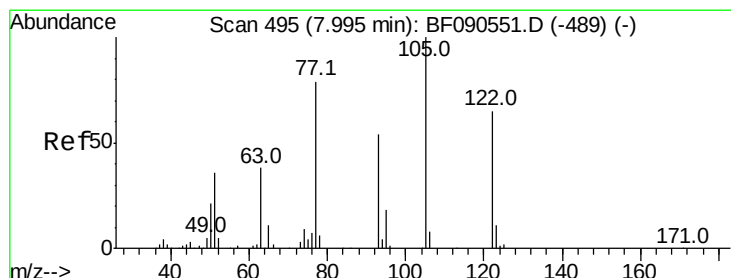
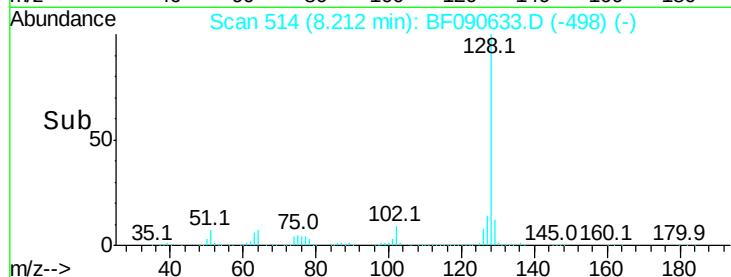
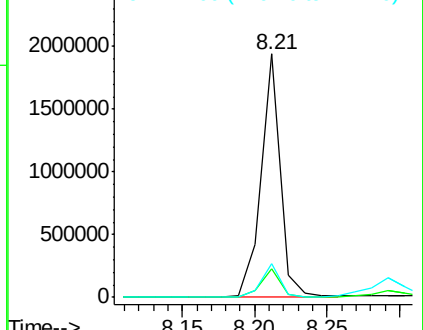
#31
Naphthalene
Concen: 34.49 ng
RT: 8.21 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

Tot Ion:128 Resp: 1796996
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.6
127 14.1 10.8 16.2

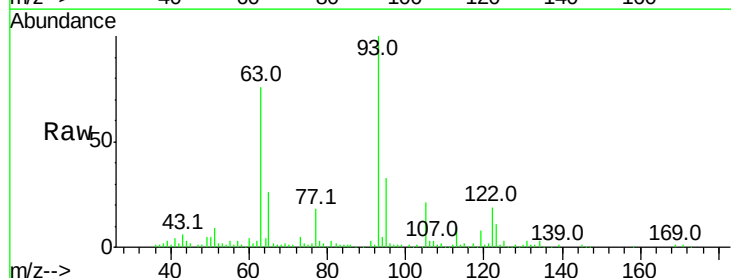


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

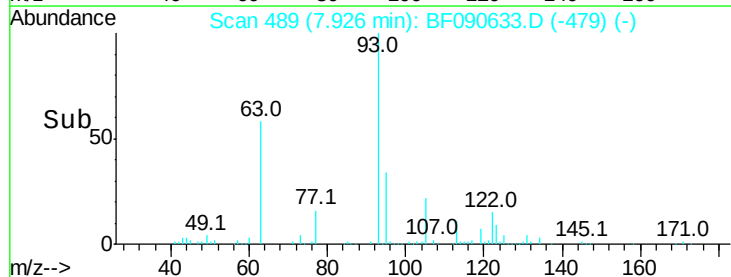
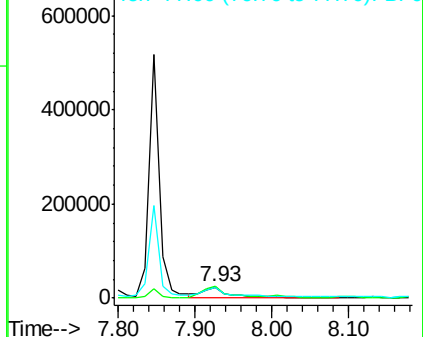


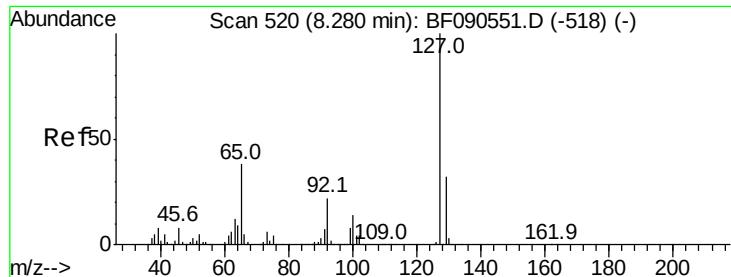
#32
Benzoic acid
Concen: 6.08 ng
RT: 7.93 min Scan# 489
Delta R.T. -0.08 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion:122 Resp: 53139
Ion Ratio Lower Upper
122 100
105 110.7 101.1 141.1
77 97.5 84.7 124.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

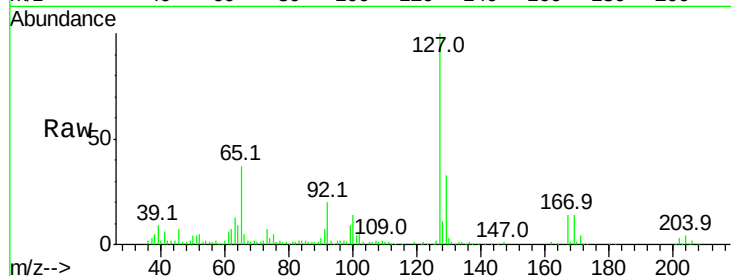




#33
4-Chloroaniline
Concen: 15.25 ng
RT: 8.29 min Scan# 521
Delta R.T. 0.02 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

Tot Ion:	127	Resp:	303682
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.2	39.2
65	36.8	30.1	45.1
92	19.9	17.2	25.8



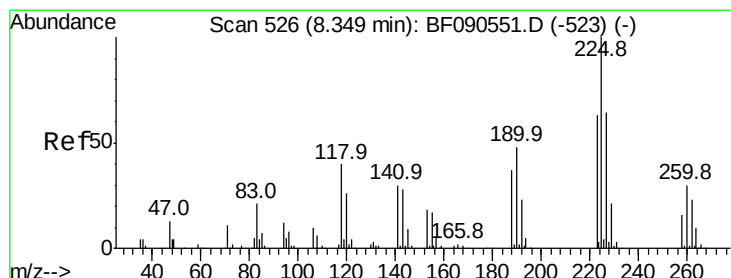
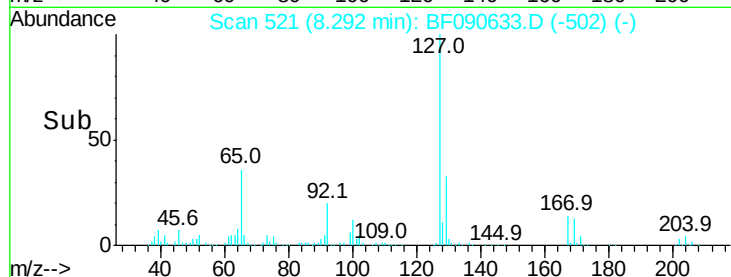
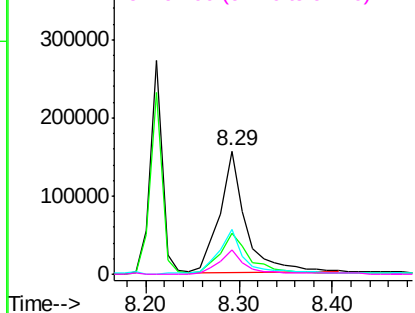
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

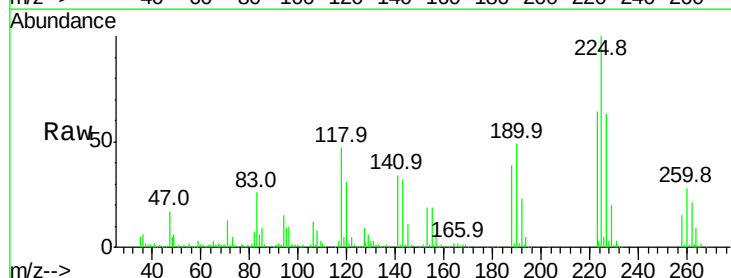
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34
Hexachlorobutadiene
Concen: 31.46 ng
RT: 8.33 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion:	225	Resp:	256524
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	76.0
227	63.0	51.4	77.2

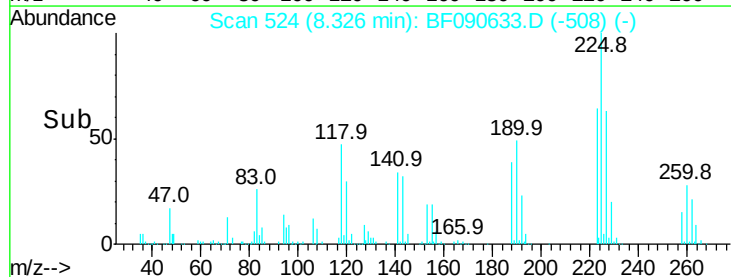
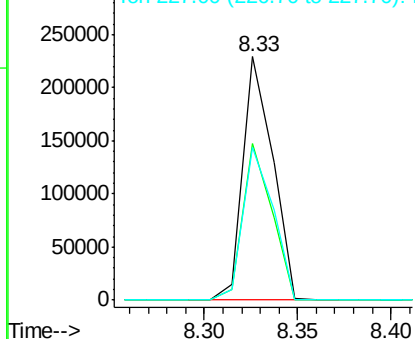


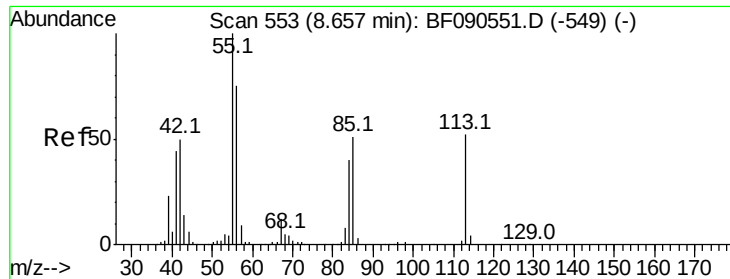
Abundance

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: 45.99 ng

RT: 8.63 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

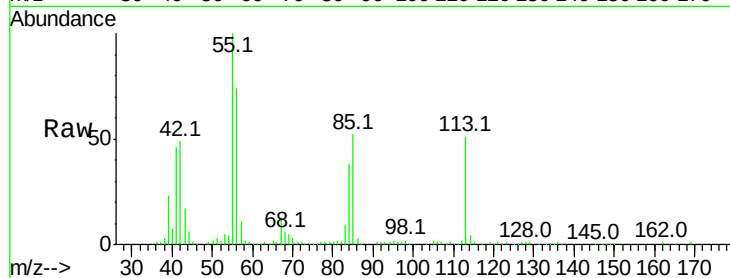
Tot Ion:113 Resp: 159917

Ion Ratio Lower Upper

113 100

55 196.1 170.8 210.8

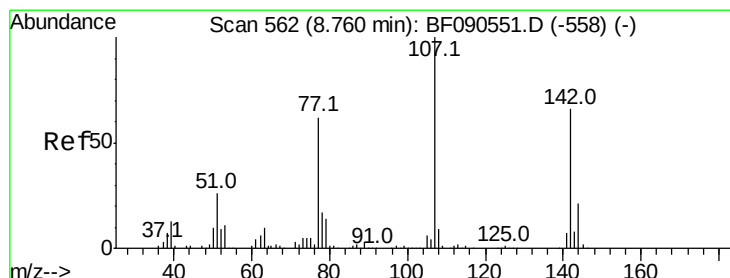
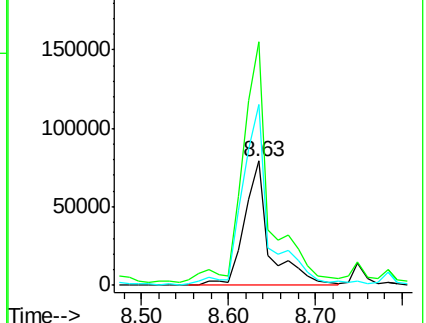
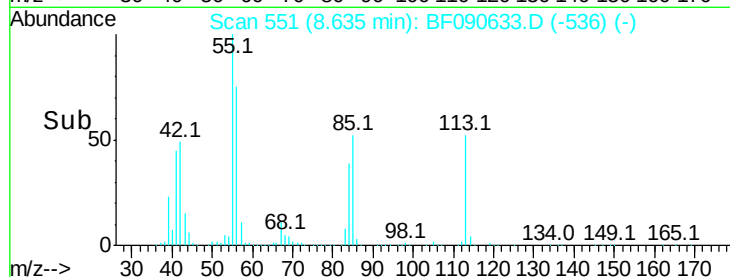
56 145.9 122.4 162.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 35.20 ng

RT: 8.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

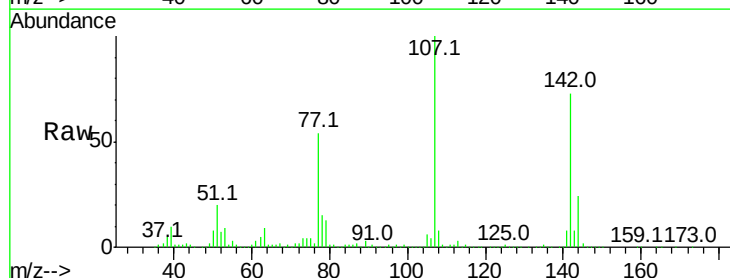
Tgt Ion:107 Resp: 506083

Ion Ratio Lower Upper

107 100

144 23.8 16.9 25.3

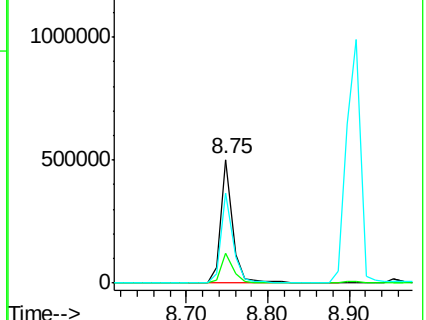
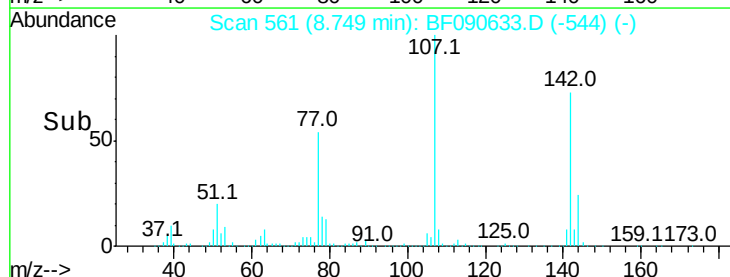
142 72.7 52.5 78.7

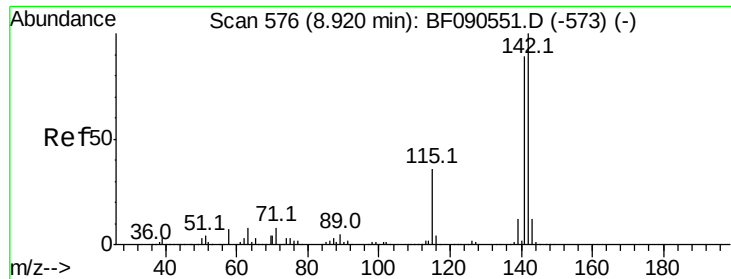


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



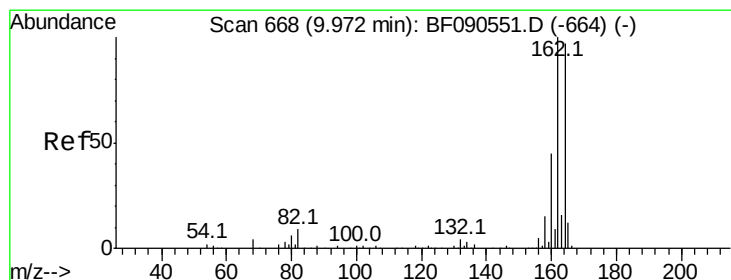
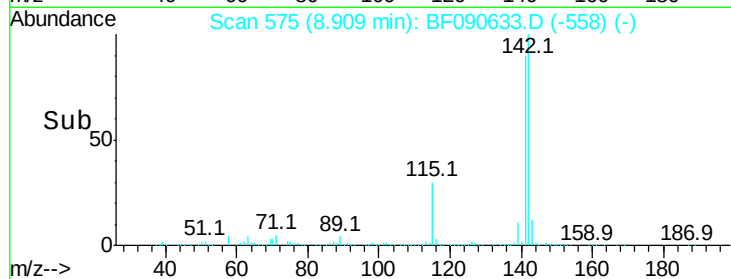
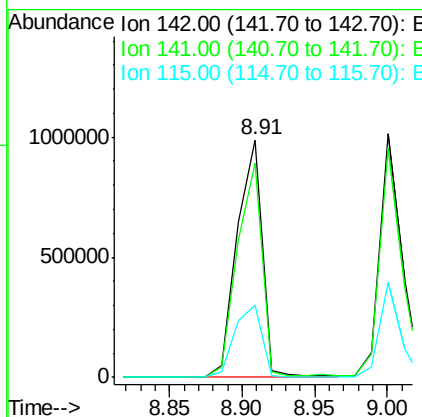
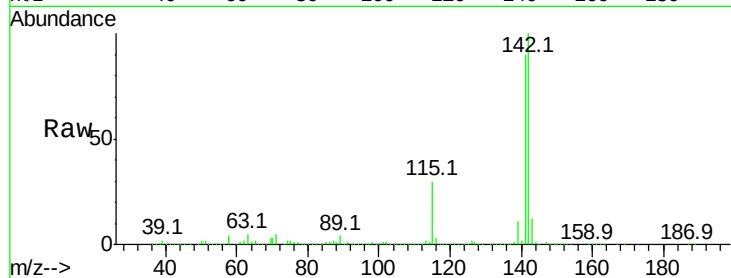


#37
 2-Methylnaphthalene
 Concen: 38.80 ng
 RT: 8.91 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

Tot Ion:142 Resp: 1187237

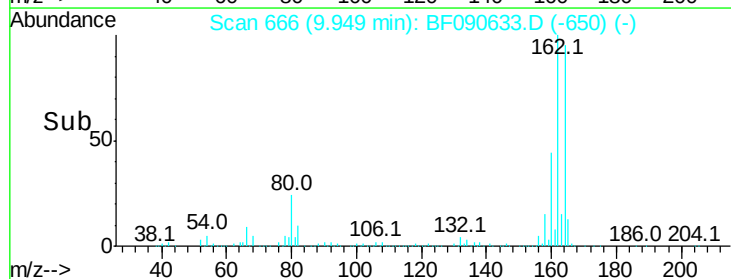
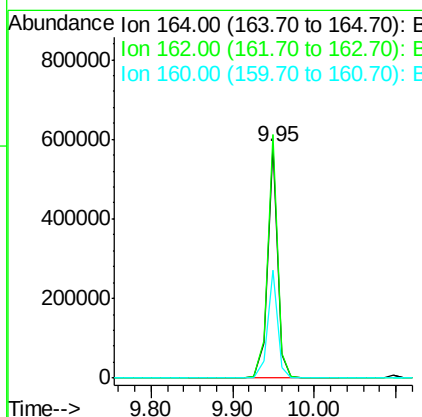
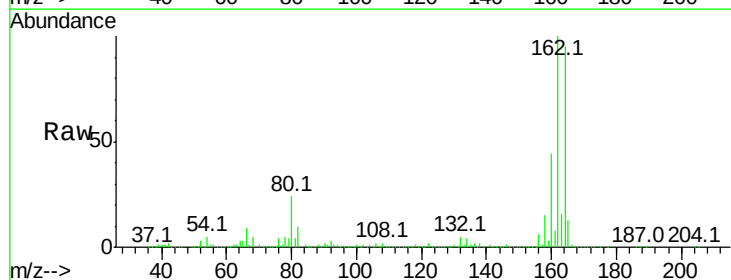
Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.3	106.9
115	30.1	28.8	43.2

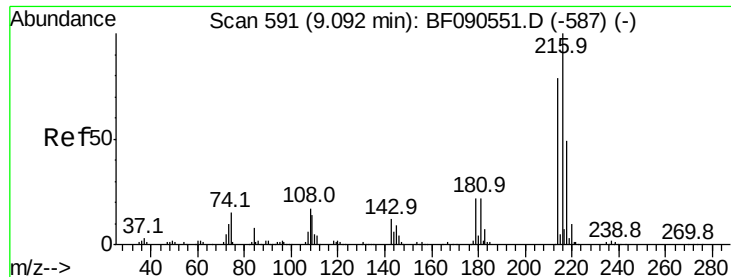


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion:164 Resp: 508781

Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.2	123.4
160	46.7	36.6	55.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 32.33 ng

RT: 9.07 min Scan# 589

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

Tot Ion:216 Resp: 436073

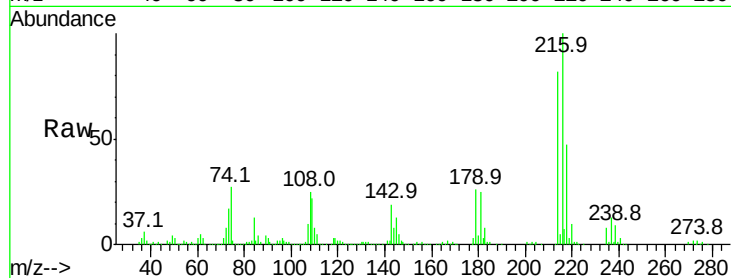
Ion Ratio Lower Upper

216 100

214 80.2 63.5 95.3

179 24.2 18.9 28.3

108 23.8 17.8 26.6

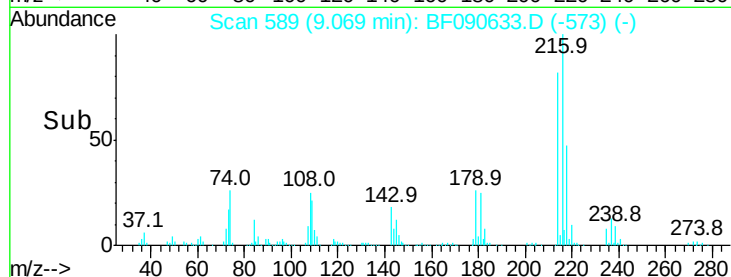


Abundance Ion 216.00 (215.70 to 216.70): E

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



Abundance

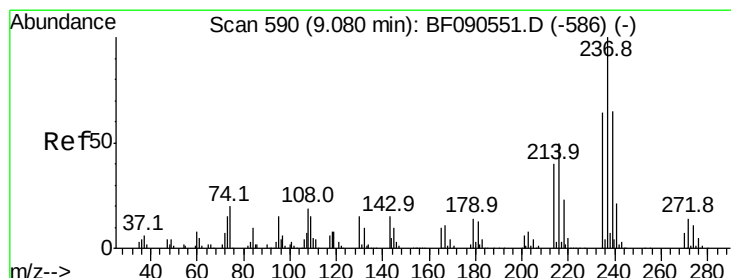
9.07

400000

200000

0

Time-->



#40

Hexachlorocyclopentadiene

Concen: 39.40 ng

RT: 9.06 min Scan# 588

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

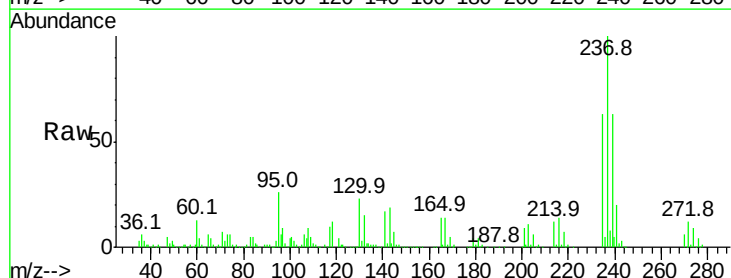
Tgt Ion:237 Resp: 259650

Ion Ratio Lower Upper

237 100

235 62.9 43.8 83.8

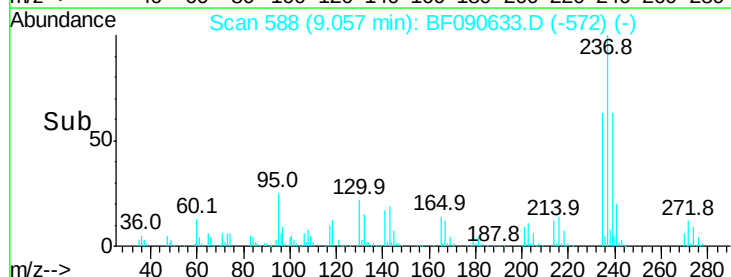
272 11.7 0.0 33.7



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



Abundance

9.06

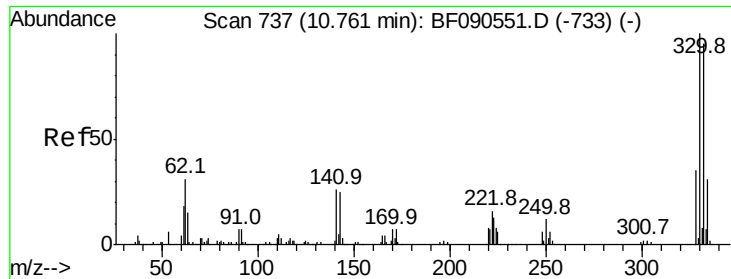
300000

200000

100000

0

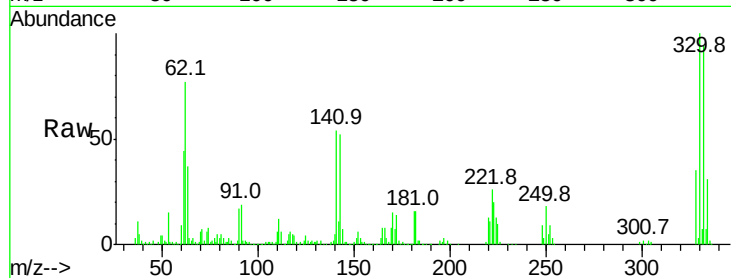
Time-->



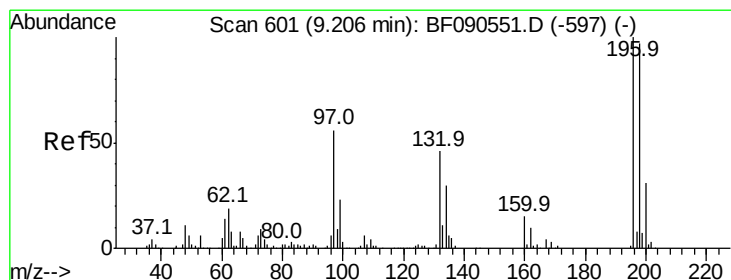
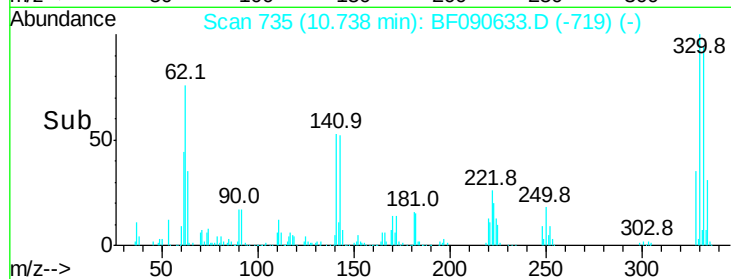
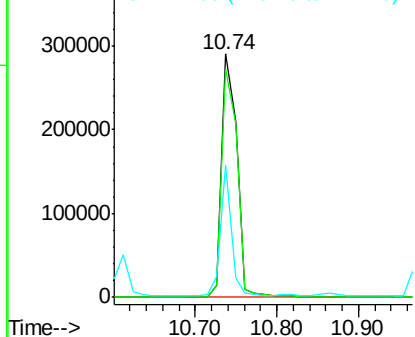
#41
 2,4,6-Tribromophenol
 Concen: 82.01 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.2
141	38.3	31.4	47.2

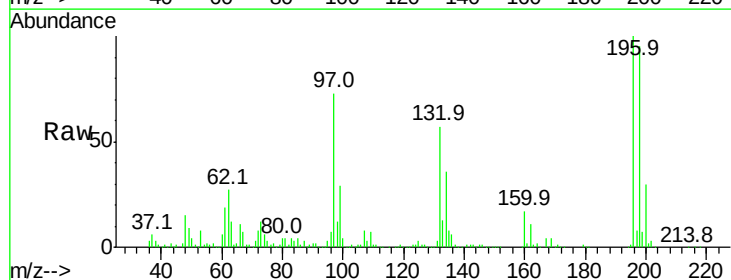


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

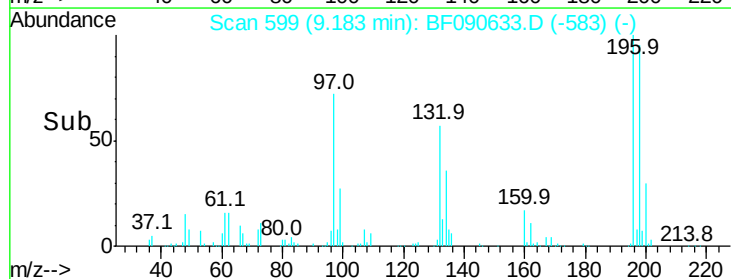
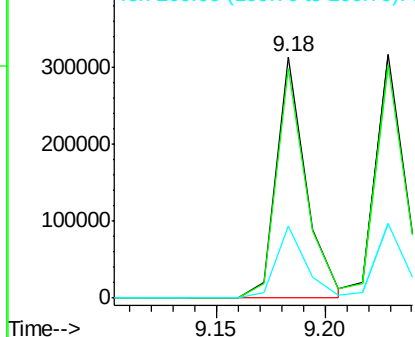


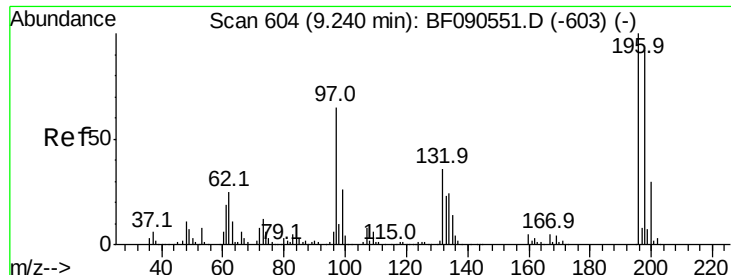
#42
 2,4,6-Trichlorophenol
 Concen: 39.30 ng
 RT: 9.18 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.9	116.9
200	30.1	25.1	37.7



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

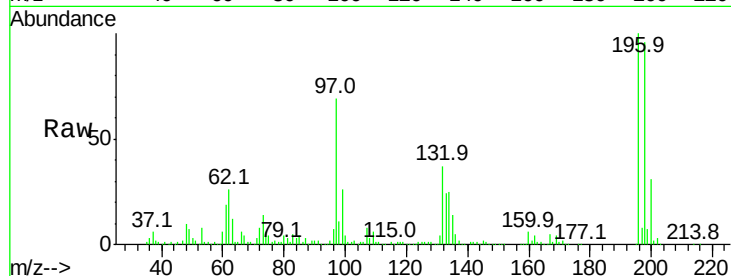




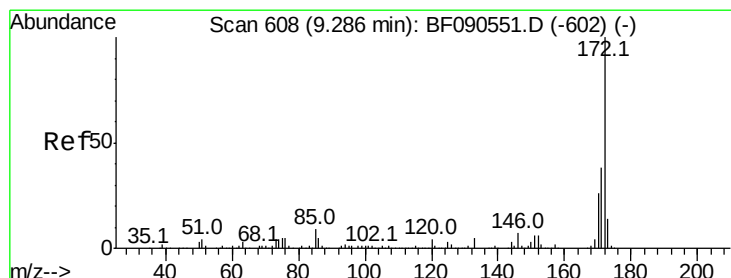
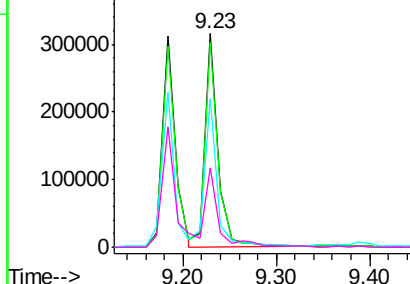
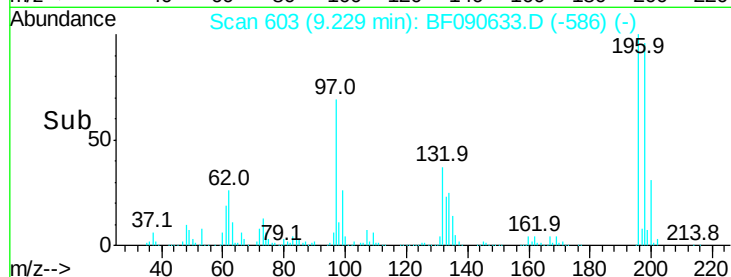
#43
 2,4,5-Trichlorophenol
 Concen: 34.02 ng
 RT: 9.23 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

Tot Ion:196 Resp: 308792
 Ion Ratio Lower Upper
 196 100
 198 95.9 74.0 111.0
 97 69.3 54.7 82.1
 132 37.3 30.5 45.7

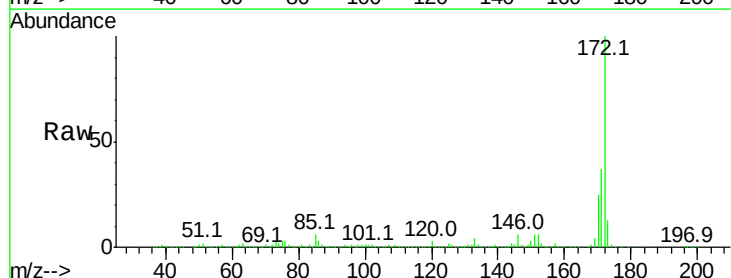


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

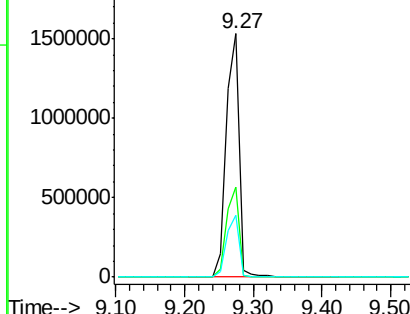
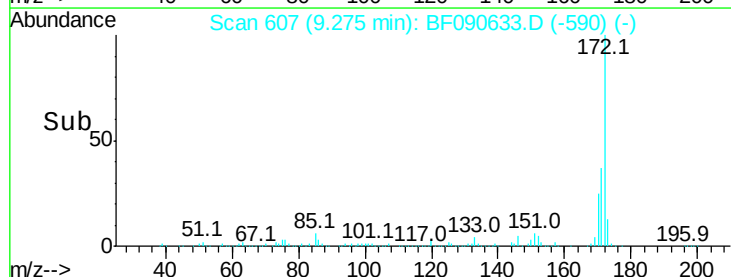


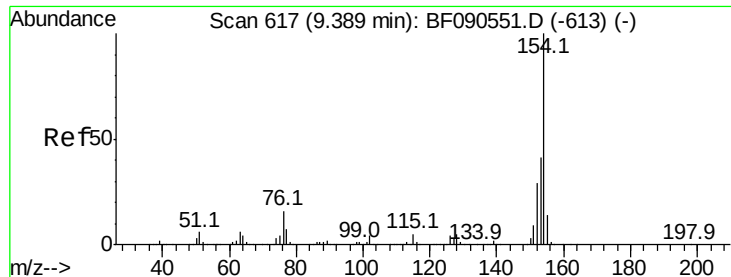
#44
 2-Fluorobiphenyl
 Concen: 66.41 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion:172 Resp: 2050696
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.1 45.1
 170 25.2 20.6 30.8



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: 32.14 ng

RT: 9.37 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

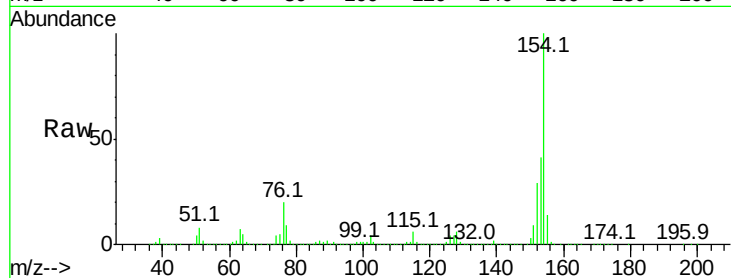
Tot Ion:154 Resp: 1244531

Ion Ratio Lower Upper

154 100

153 41.1 21.5 61.5

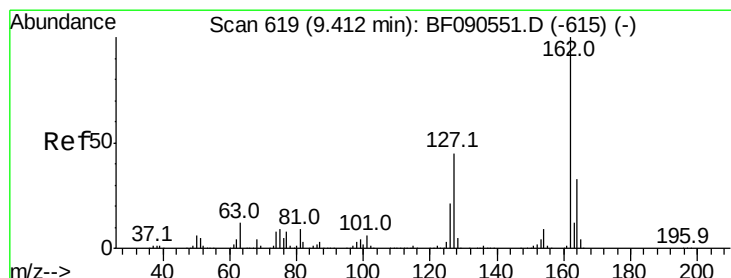
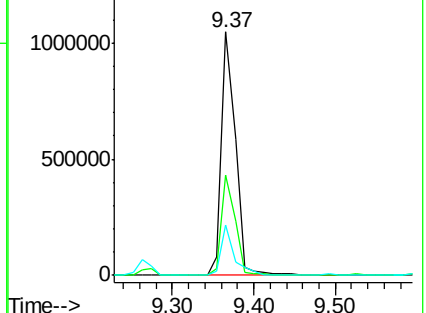
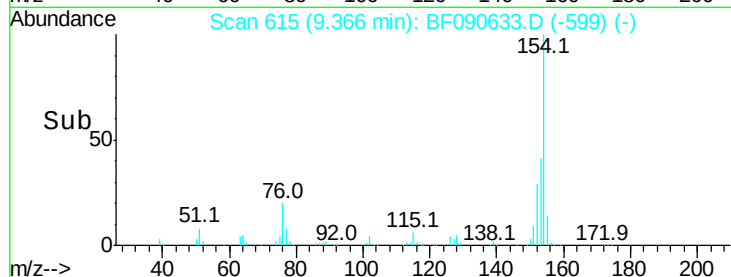
76 20.5 0.0 36.0



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: 35.22 ng

RT: 9.40 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

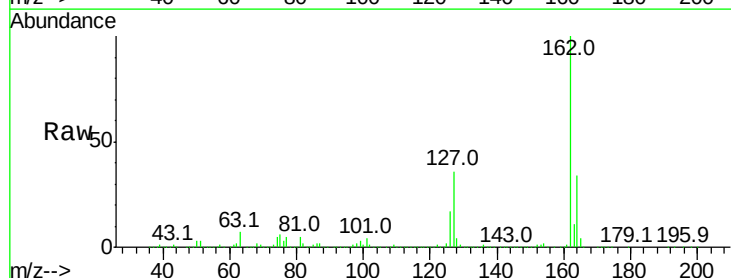
Tgt Ion:162 Resp: 1016759

Ion Ratio Lower Upper

162 100

127 36.4 35.9 53.9

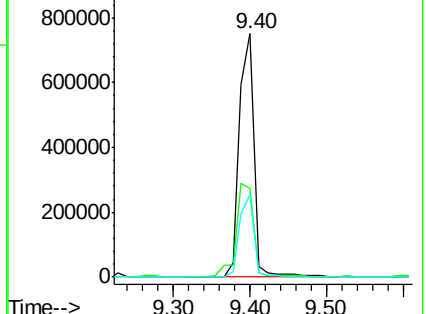
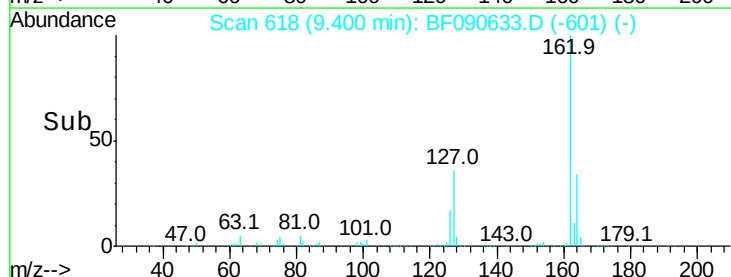
164 34.0 26.7 40.1

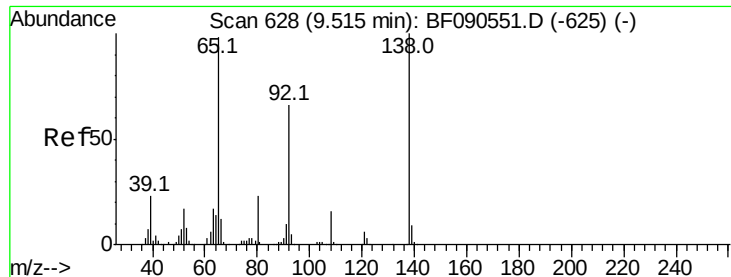


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 32.82 ng

RT: 9.49 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

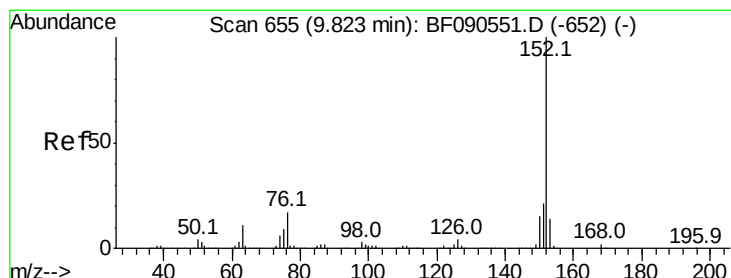
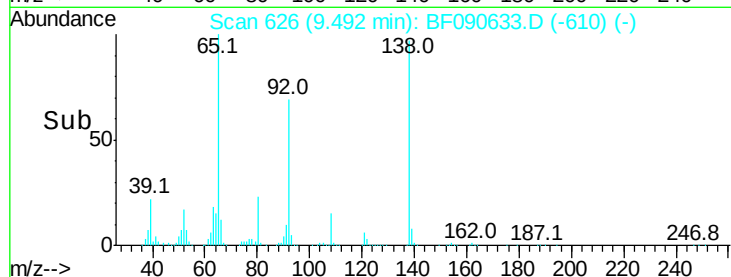
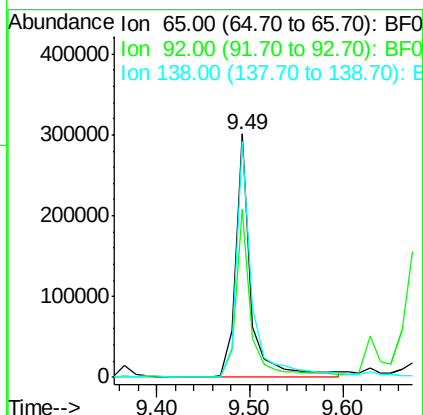
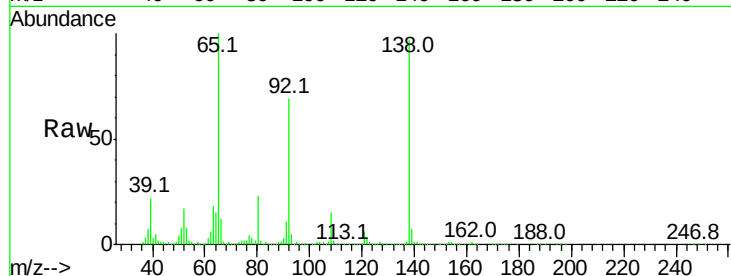
Tot Ion: 65 Resp: 343522

Ion Ratio Lower Upper

65 100

92 69.1 54.3 81.5

138 97.2 81.7 122.5



#48

Acenaphthylene

Concen: 35.32 ng

RT: 9.81 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

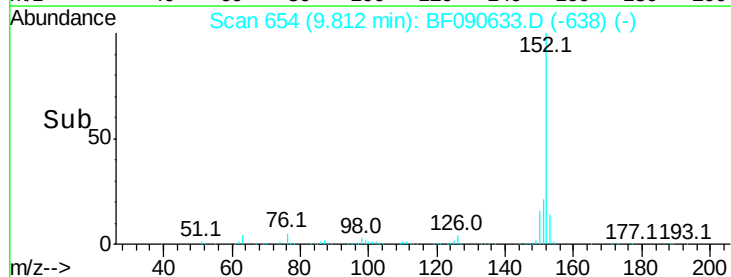
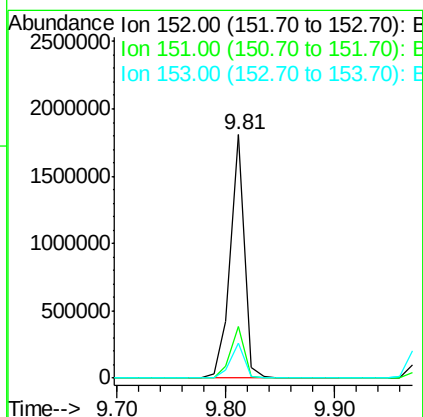
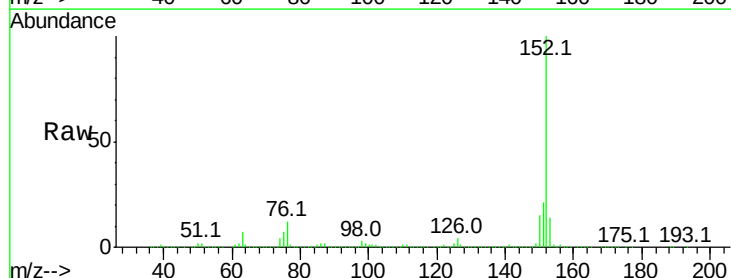
Tgt Ion: 152 Resp: 1623619

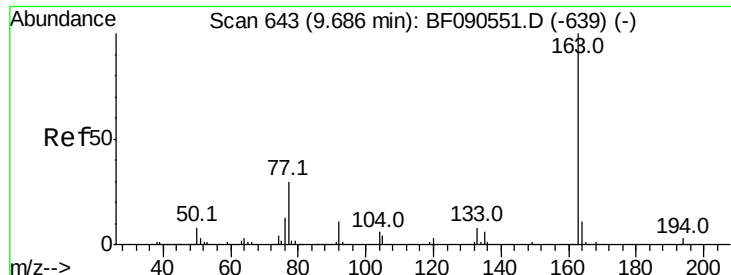
Ion Ratio Lower Upper

152 100

151 21.3 16.6 25.0

153 14.2 11.3 16.9





#49

Dimethylphthalate

Concen: 47.03 ng

RT: 9.67 min Scan# 642

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

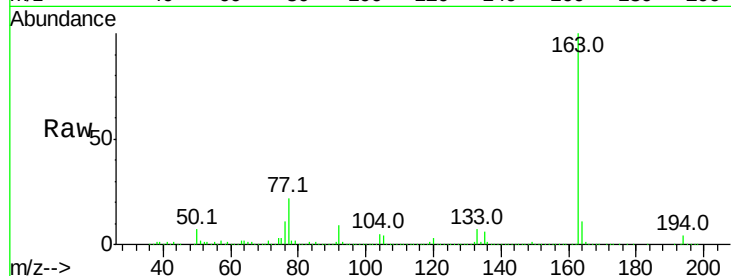
Tot Ion:163 Resp: 1552553

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

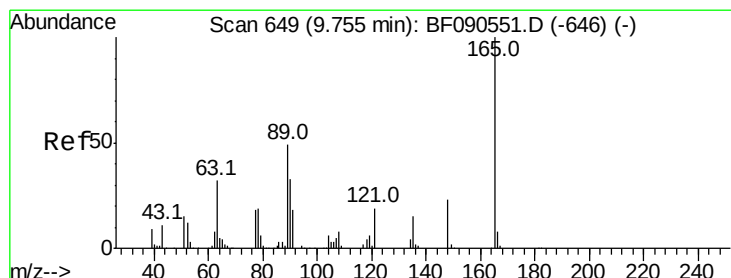
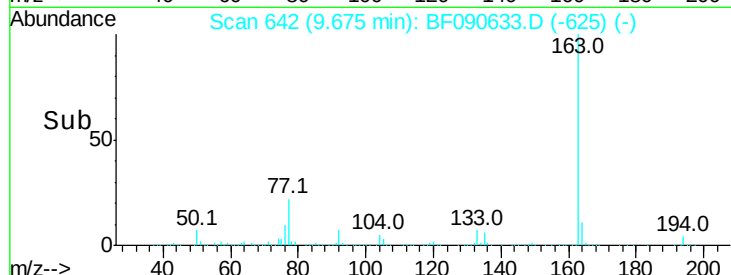
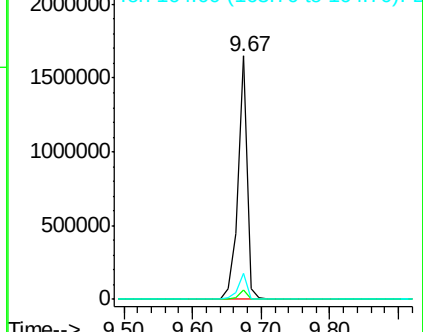
164 10.9 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 32.33 ng

RT: 9.73 min Scan# 647

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

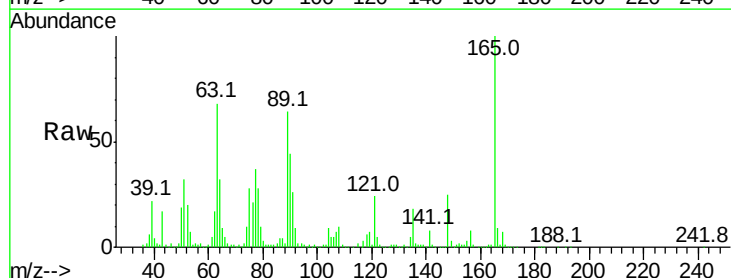
Tgt Ion:165 Resp: 233510

Ion Ratio Lower Upper

165 100

63 68.2 40.1 60.1#

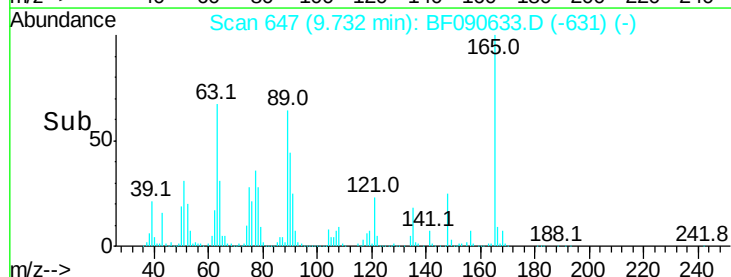
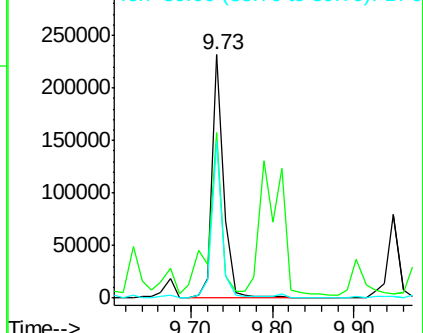
89 64.4 39.5 59.3#

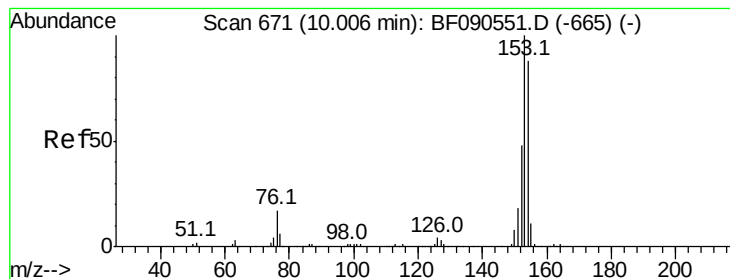


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 31.11 ng

RT: 9.98 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

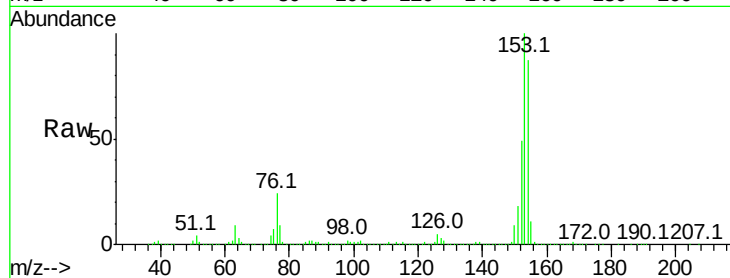
Tot Ion:154 Resp: 950638

Ion Ratio Lower Upper

154 100

153 115.3 91.2 136.8

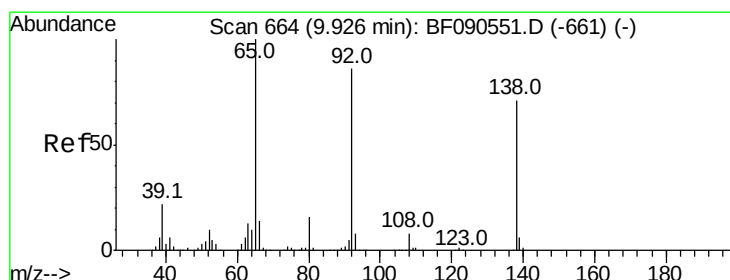
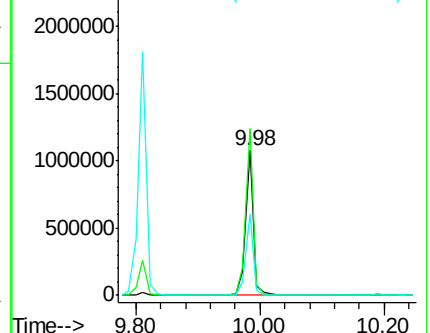
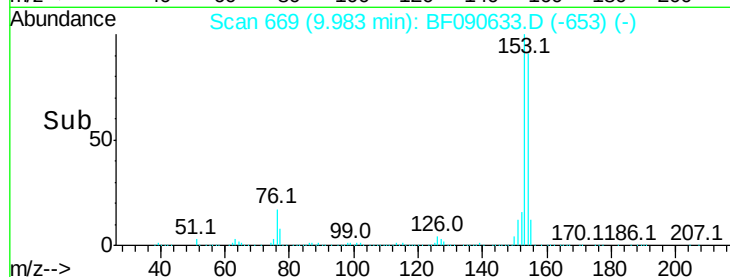
152 56.4 44.0 66.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.85 ng

RT: 9.90 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

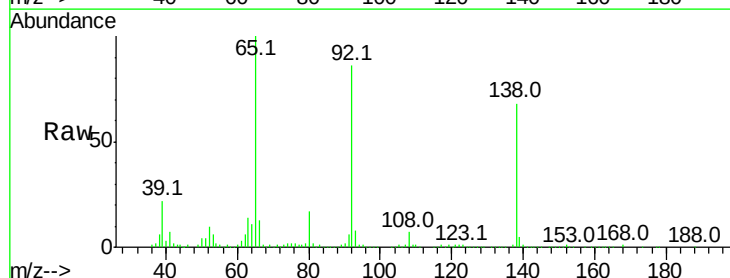
Tgt Ion:138 Resp: 243379

Ion Ratio Lower Upper

138 100

108 10.6 8.6 12.8

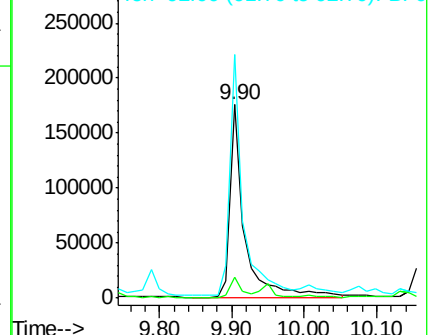
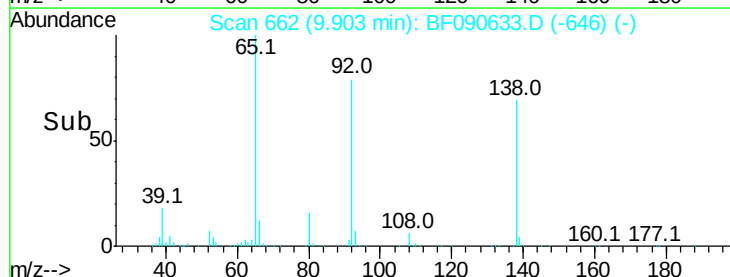
92 125.8 97.8 146.8

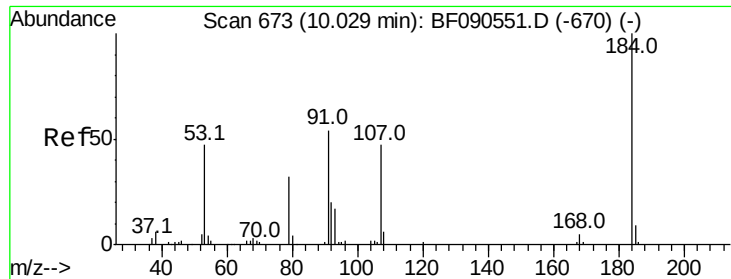


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

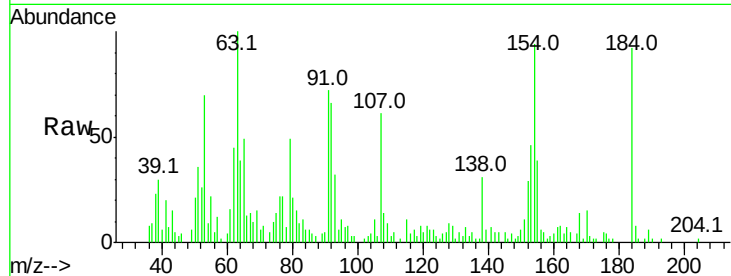




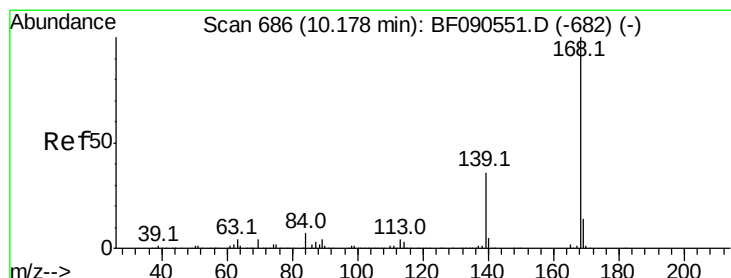
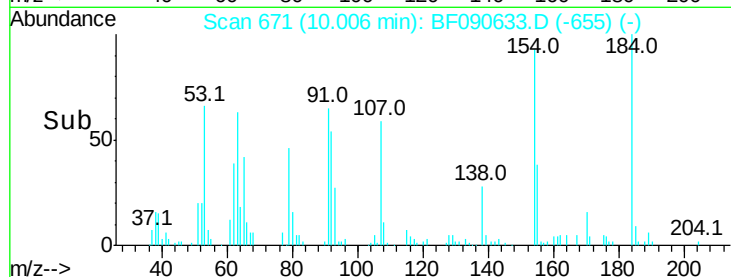
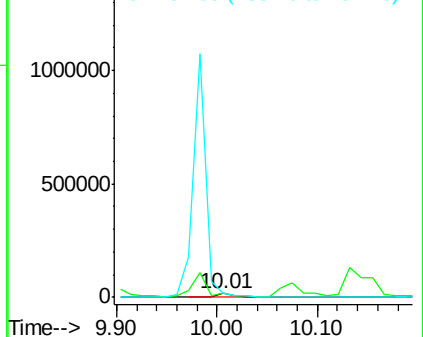
#53
2,4-Dinitrophenol
Concen: 12.58 ng
RT: 10.01 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

Tot Ion:184 Resp: 29146
Ion Ratio Lower Upper
184 100
63 108.2 60.2 90.2#
154 101.8 86.1 129.1

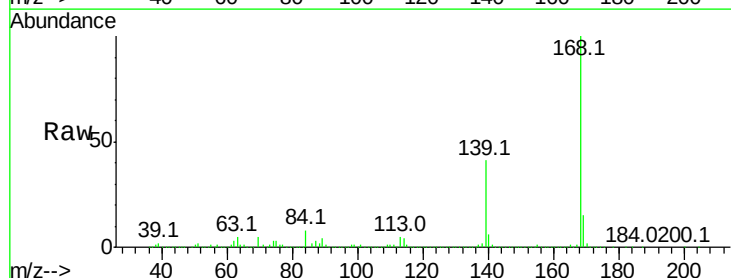


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

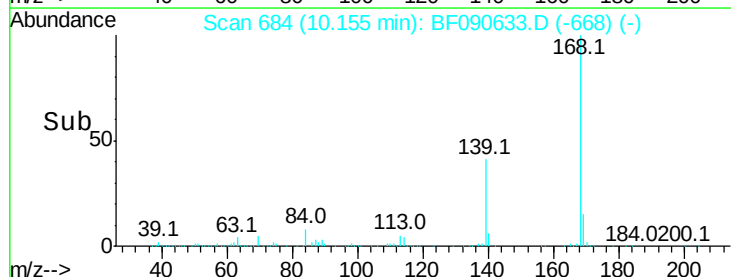
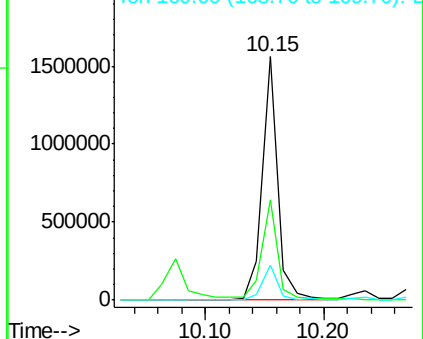


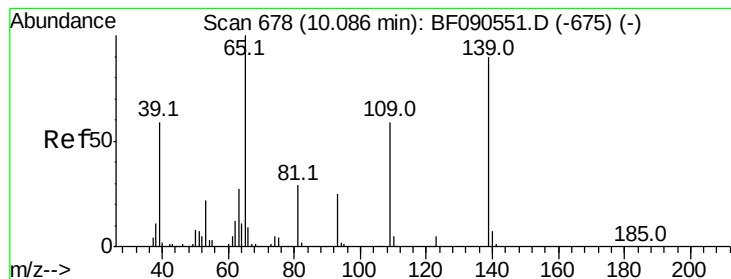
#54
Dibenzofuran
Concen: 35.62 ng
RT: 10.15 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion:168 Resp: 1431800
Ion Ratio Lower Upper
168 100
139 41.3 30.5 45.7
169 14.6 10.9 16.3



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: 62.42 ng

RT: 10.07 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

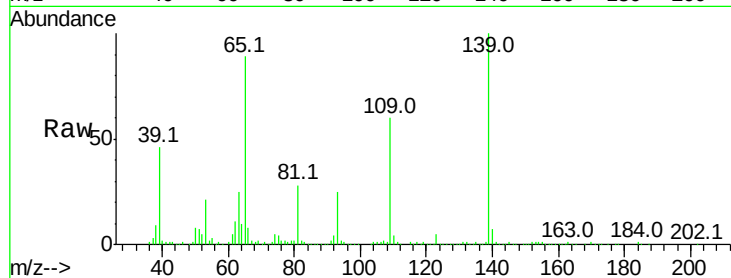
Tot Ion:139 Resp: 340465

Ion Ratio Lower Upper

139 100

109 60.1 45.9 85.9

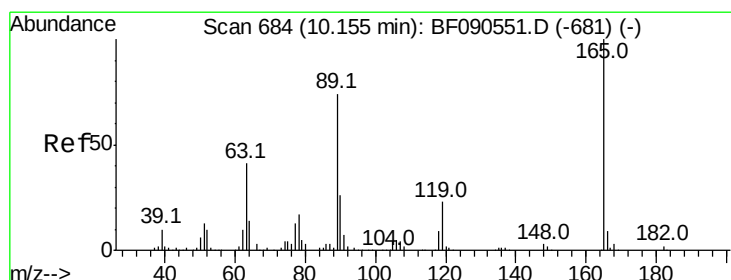
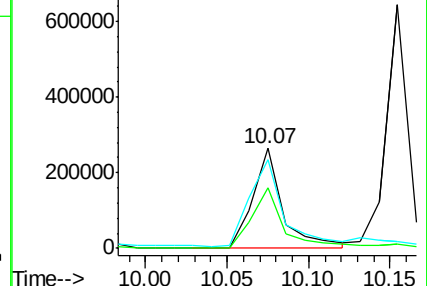
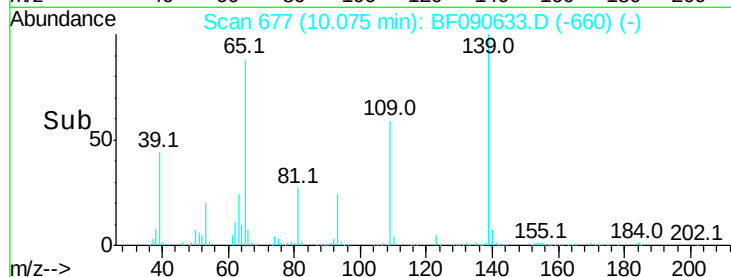
65 89.2 95.8 135.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 33.22 ng

RT: 10.14 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Tgt Ion:165 Resp: 325963

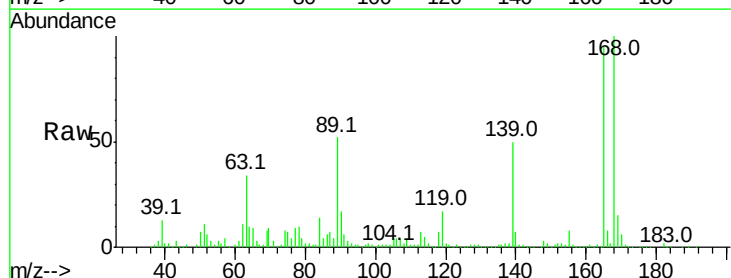
Ion Ratio Lower Upper

165 100

63 36.1 35.4 53.0

89 54.4 59.0 88.4#

182 2.4 1.8 2.6

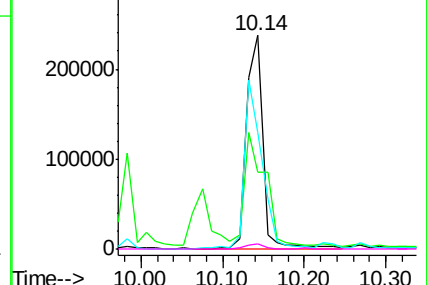
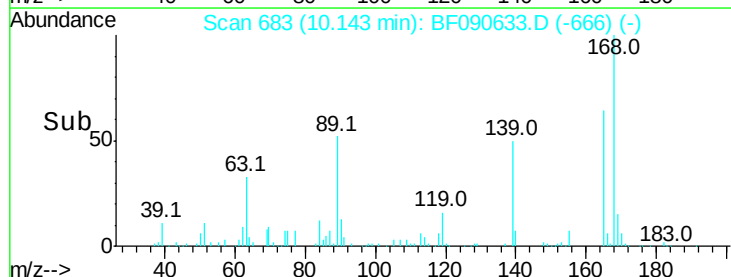


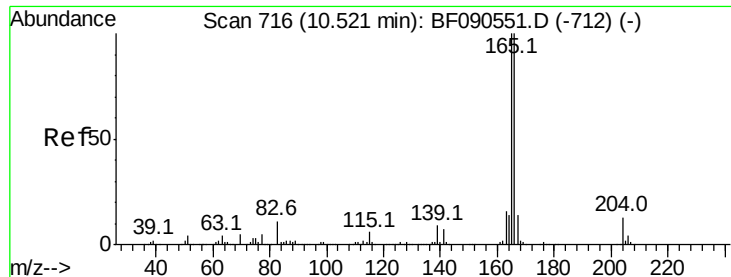
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

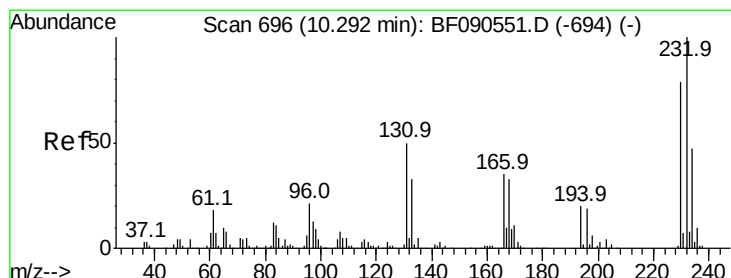
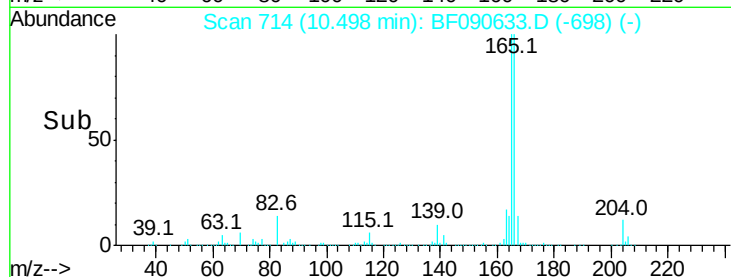
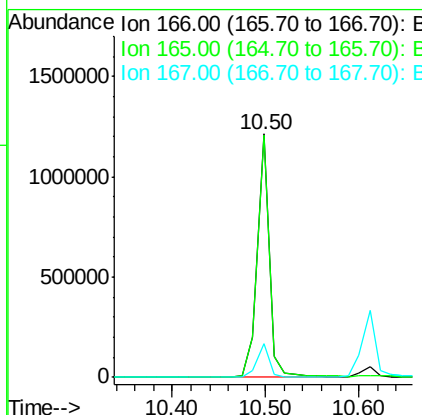
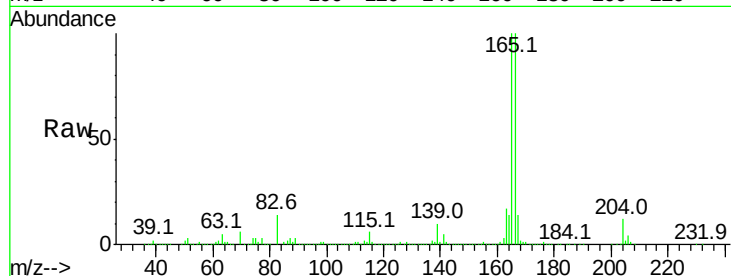




#57
 Fluorene
 Concen: 32.78 ng
 RT: 10.50 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

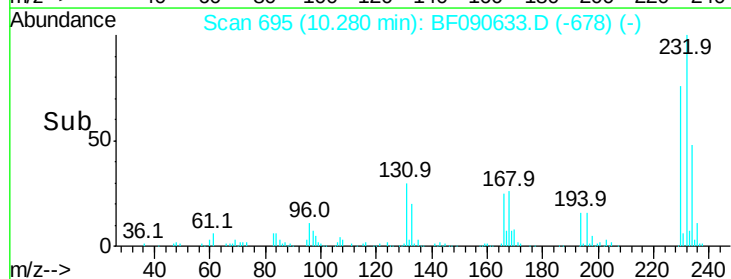
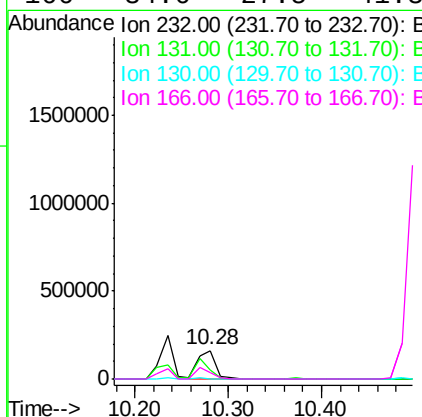
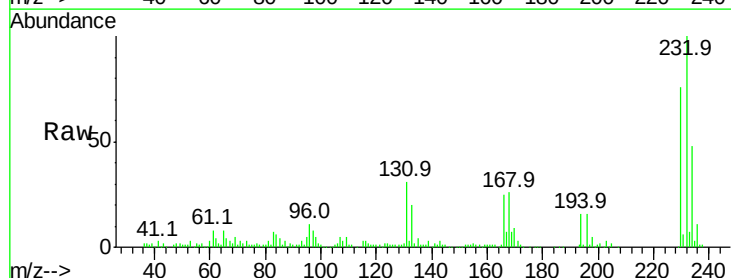
Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

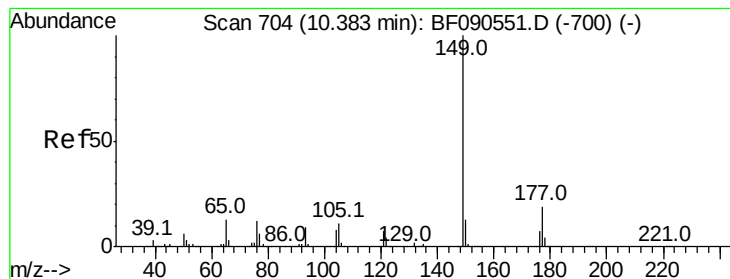
Tot Ion:166 Resp: 1086654
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.9 119.9
 167 14.0 10.9 16.3



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 29.37 ng
 RT: 10.28 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion:232 Resp: 222056
 Ion Ratio Lower Upper
 232 100
 131 51.2 42.6 64.0
 130 2.7 1.8 2.8
 166 34.6 27.5 41.3





#59

Diethylphthalate

Concen: 35.94 ng

RT: 10.37 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

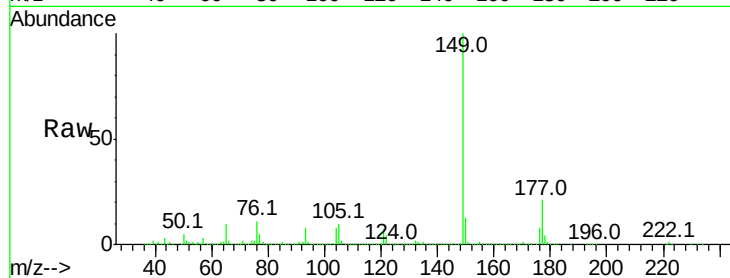
Tot Ion:149 Resp: 1203131

Ion Ratio Lower Upper

149 100

177 21.3 15.3 22.9

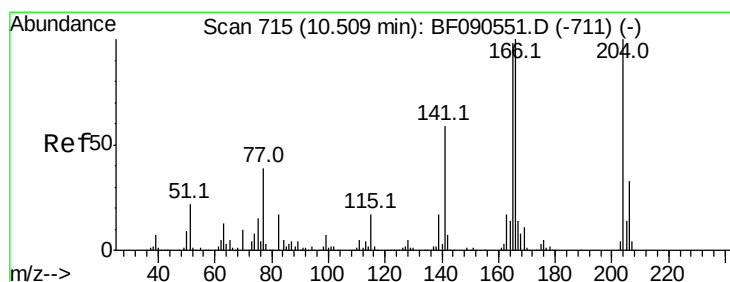
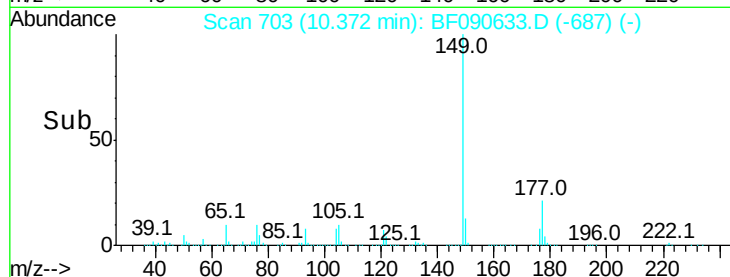
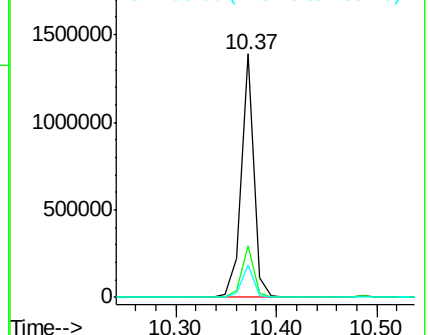
150 13.1 10.3 15.5



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: 30.52 ng

RT: 10.49 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

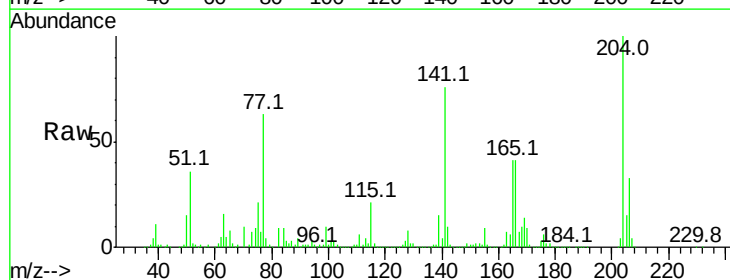
Tgt Ion:204 Resp: 477042

Ion Ratio Lower Upper

204 100

206 32.6 26.5 39.7

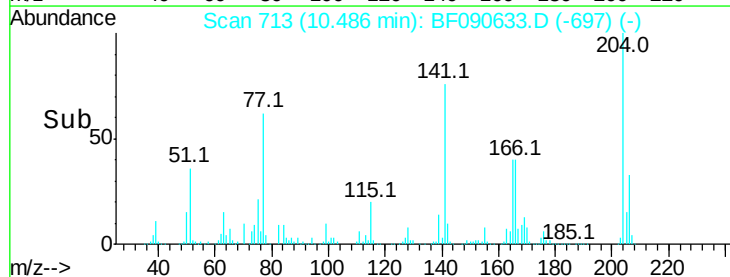
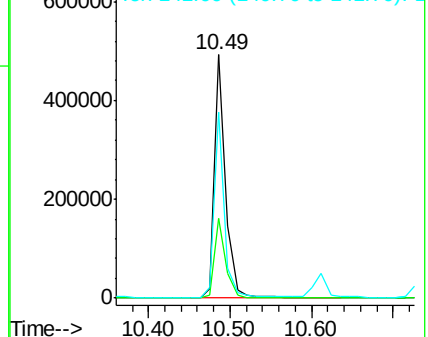
141 76.2 47.2 70.8#

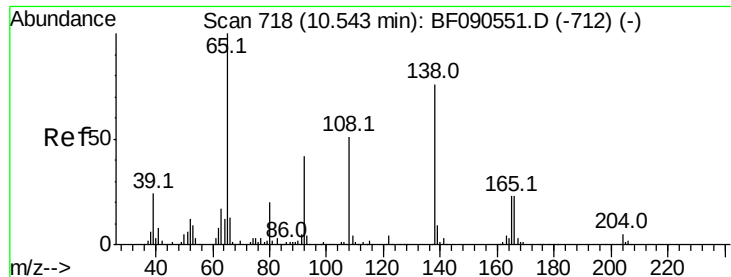


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

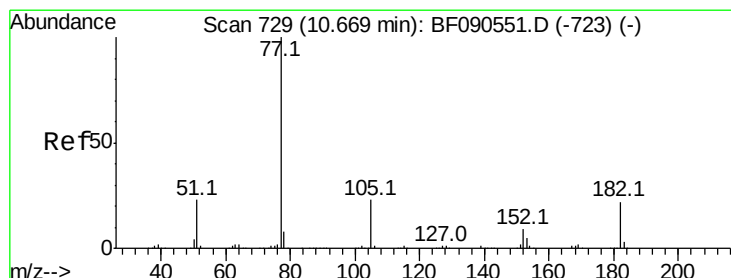
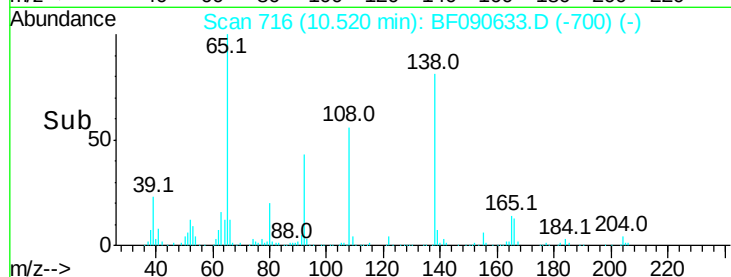
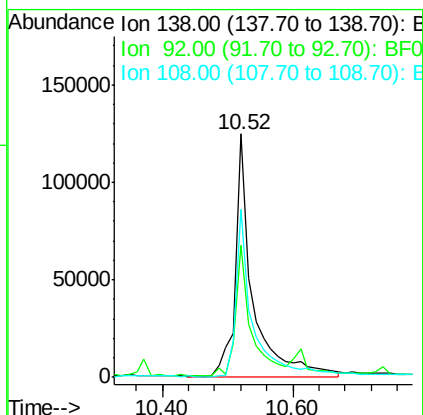
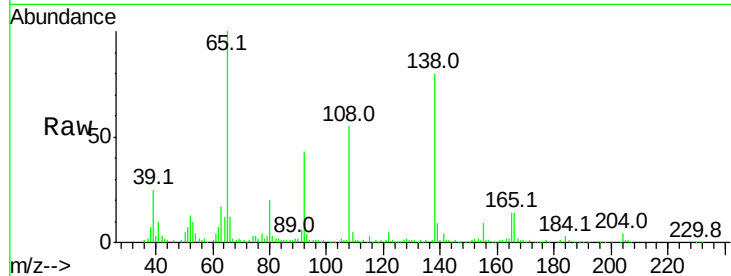




#61
4-Nitroaniline
Concen: 25.03 ng
RT: 10.52 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

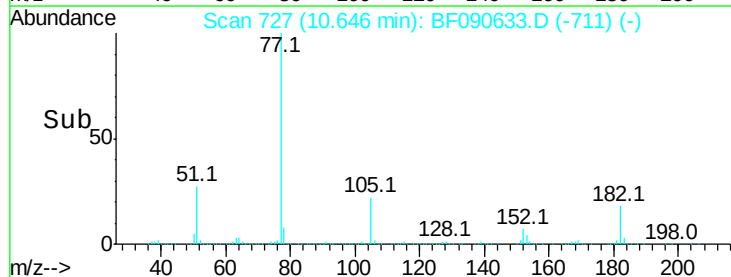
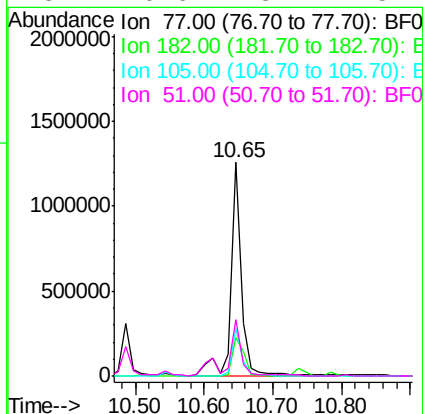
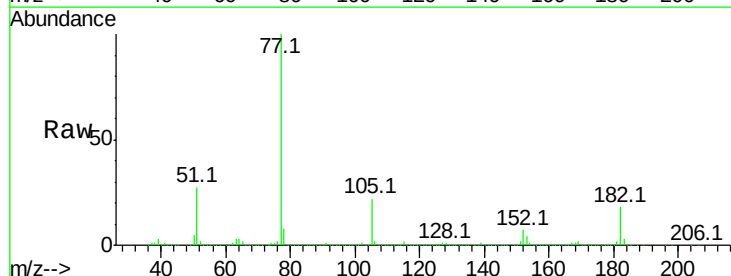
Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

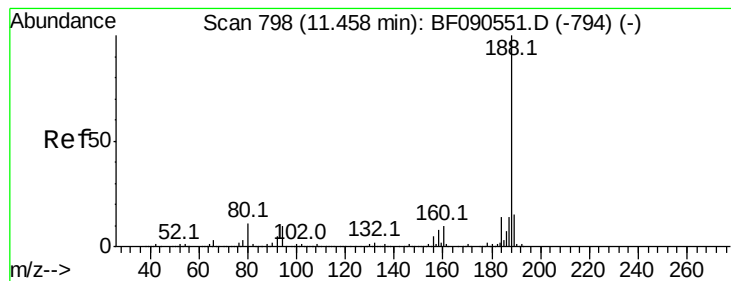
Tot Ion:138 Resp: 227498
Ion Ratio Lower Upper
138 100
92 54.1 35.7 75.7
108 69.1 46.9 86.9



#62
Azobenzene
Concen: 35.25 ng
RT: 10.65 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion: 77 Resp: 1365165
Ion Ratio Lower Upper
77 100
182 18.0 2.2 42.2
105 22.1 3.5 43.5
51 26.6 3.7 43.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

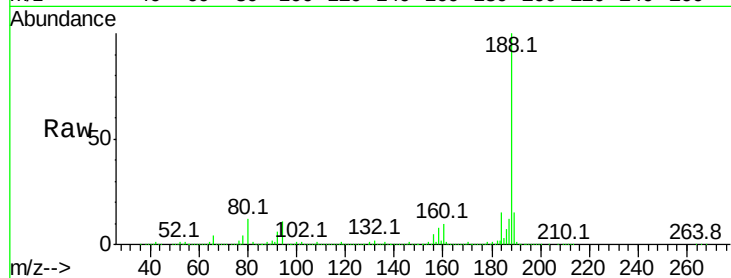
Tot Ion:188 Resp: 710455

Ion Ratio Lower Upper

188 100

94 11.2 7.7 11.5

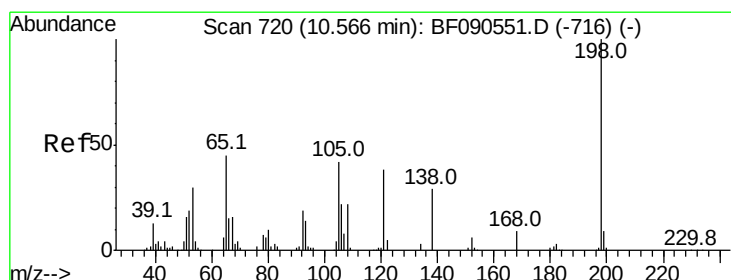
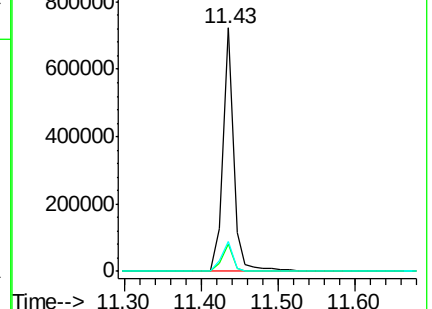
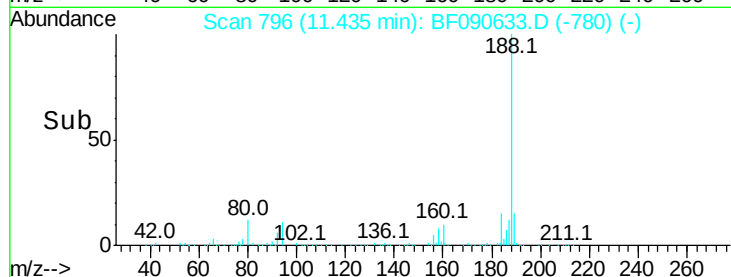
80 12.2 8.6 12.8



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: 9.73 ng

RT: 10.54 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

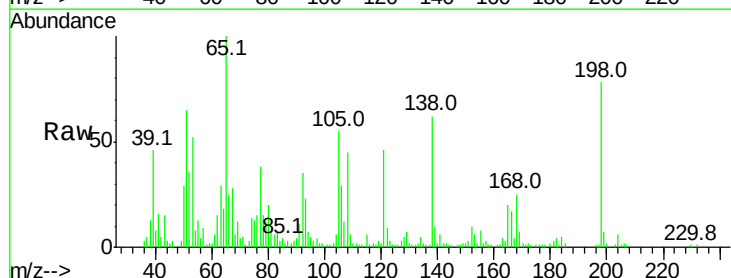
Tgt Ion:198 Resp: 41819

Ion Ratio Lower Upper

198 100

51 83.5 19.7 59.7#

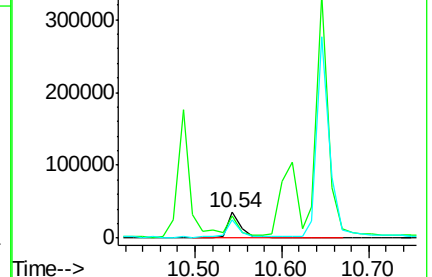
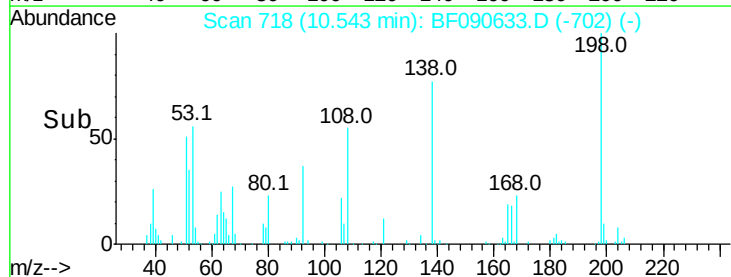
105 70.9 22.6 62.6#

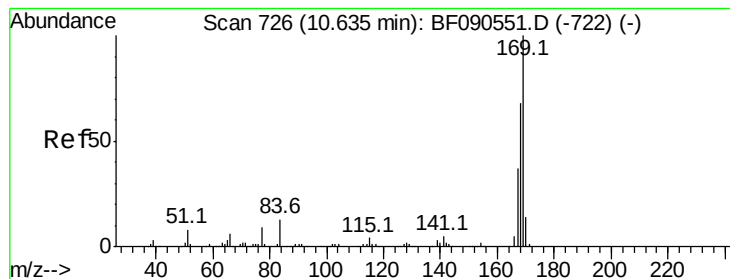


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 39.56 ng

RT: 10.61 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

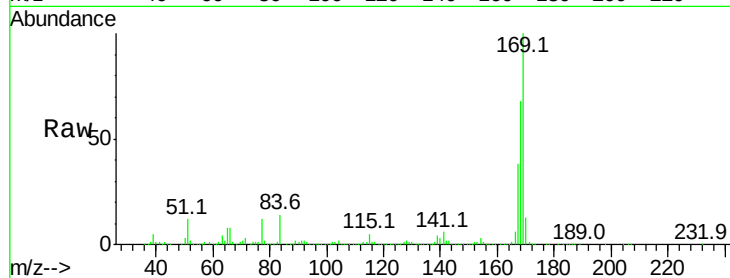
Tot Ion:169 Resp: 928404

Ion Ratio Lower Upper

169 100

168 68.4 54.6 81.8

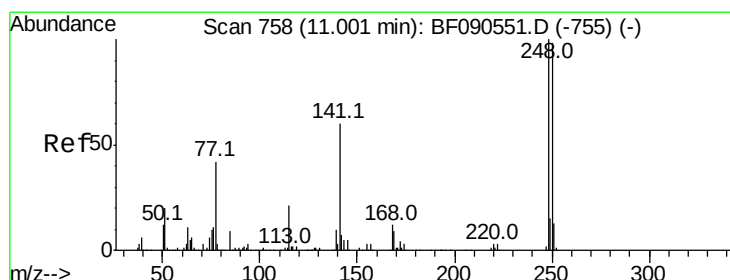
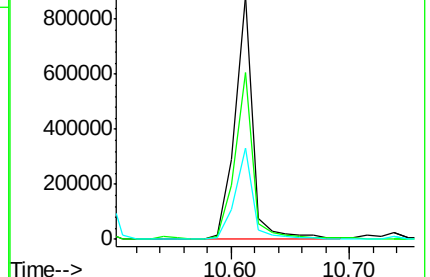
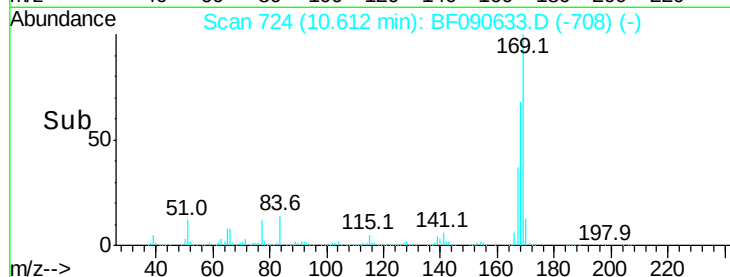
167 37.6 29.8 44.8



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: 35.20 ng

RT: 10.98 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

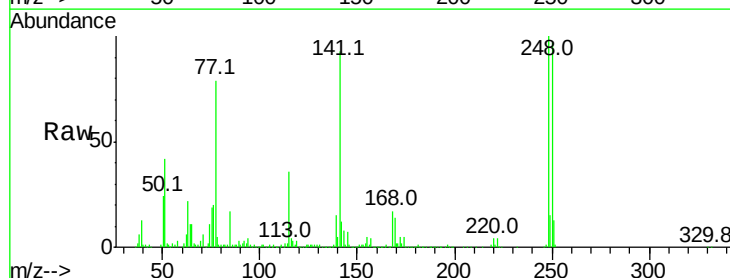
Tgt Ion:248 Resp: 268324

Ion Ratio Lower Upper

248 100

250 97.1 78.4 117.6

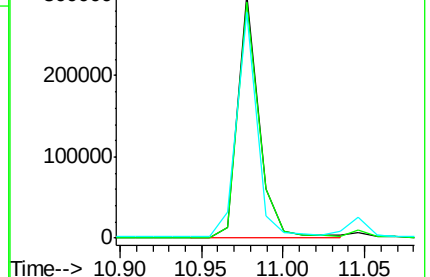
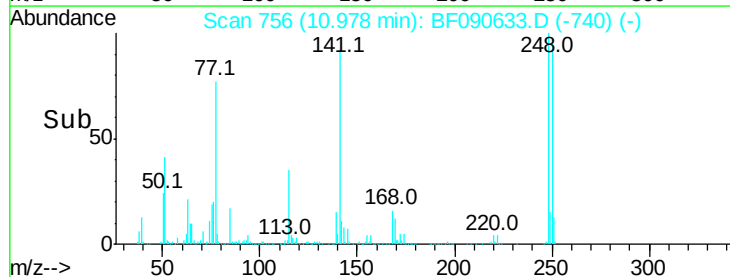
141 92.8 48.4 72.6#

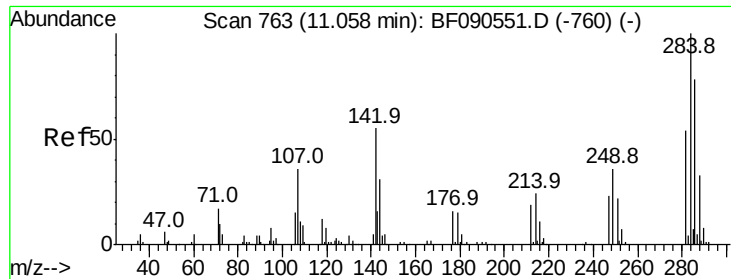


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

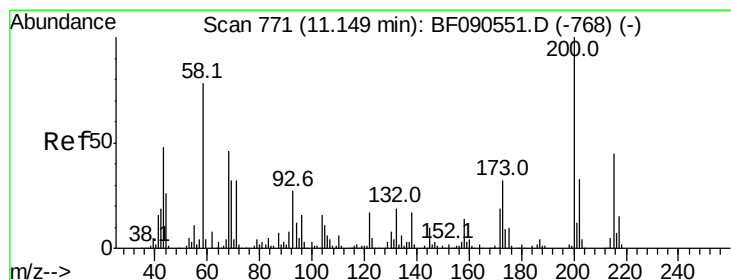
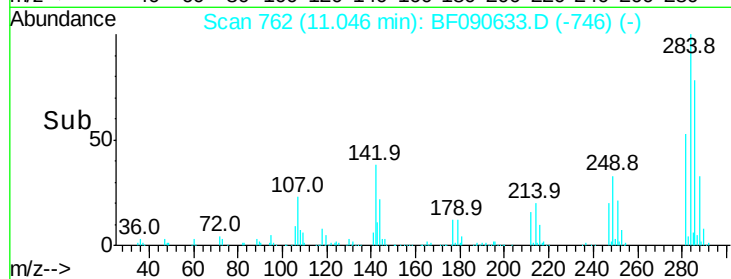
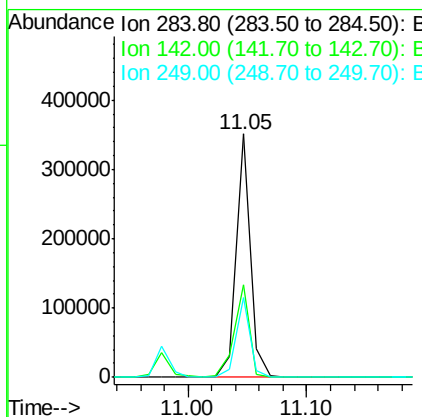
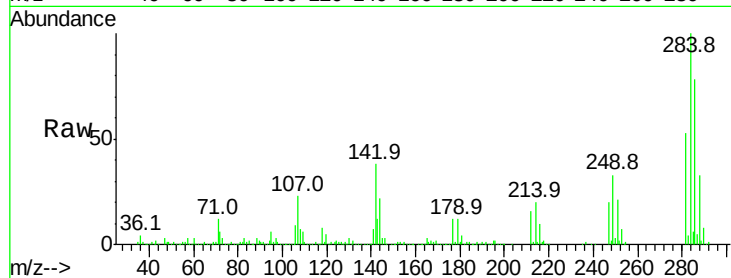




#67
Hexachlorobenzene
Concen: 35.28 ng
RT: 11.05 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

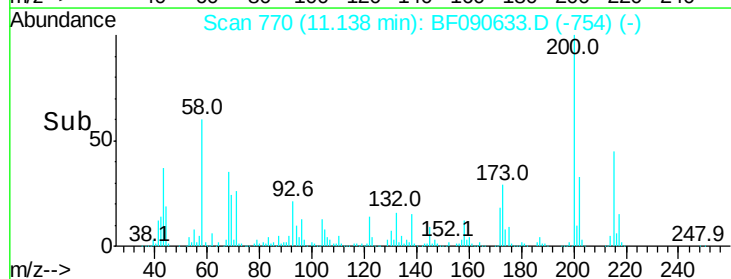
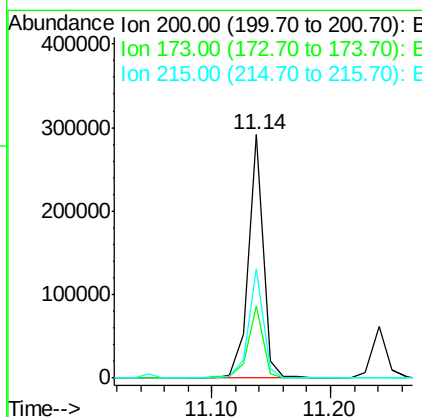
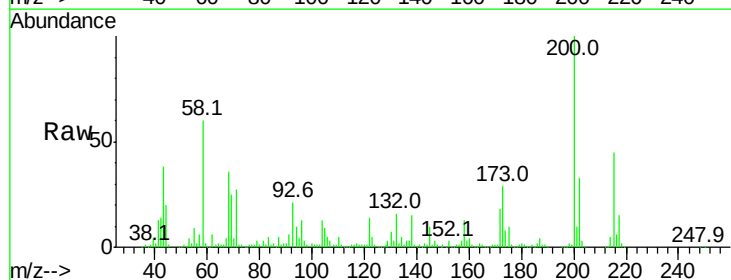
Instrument :
BNA_F
ClientSampleId :
SP-3-2MSD

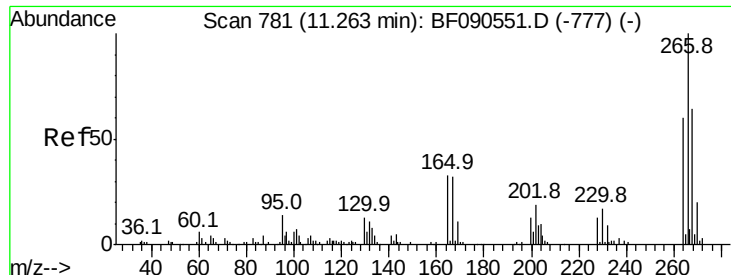
Tot Ion	Ratio	Lower	Upper
284	100		
142	38.2	44.5	66.7#
249	32.7	29.6	44.4



#68
Atrazine
Concen: 39.63 ng
RT: 11.14 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion	Ratio	Lower	Upper
200	100		
173	29.4	12.0	52.0
215	45.0	25.2	65.2

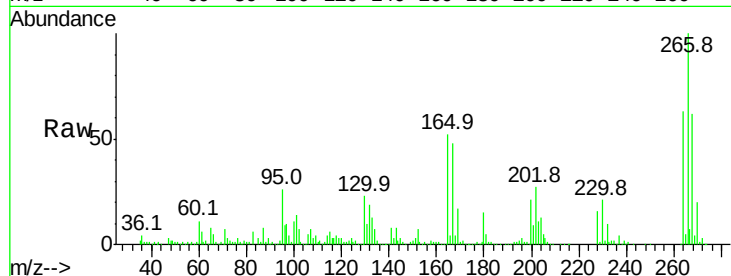




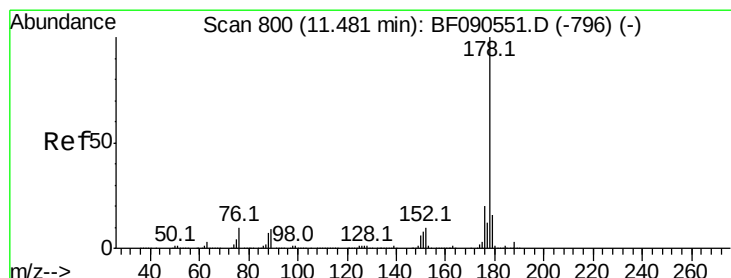
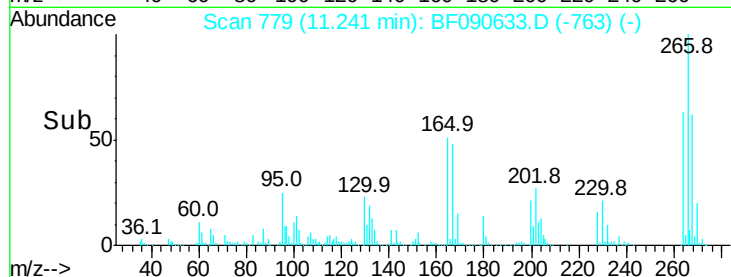
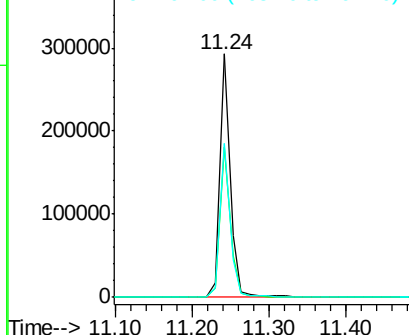
#69
 Pentachlorophenol
 Concen: 68.58 ng
 RT: 11.24 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	61.7	51.5	77.3
264	63.3	47.9	71.9

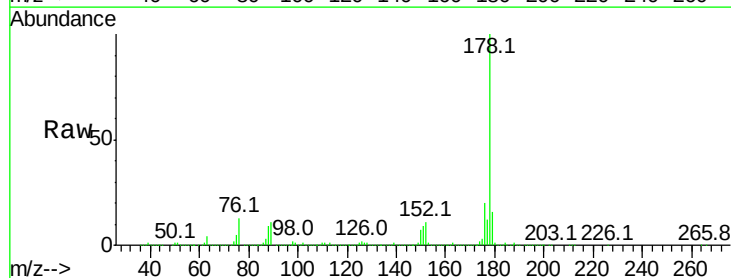


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

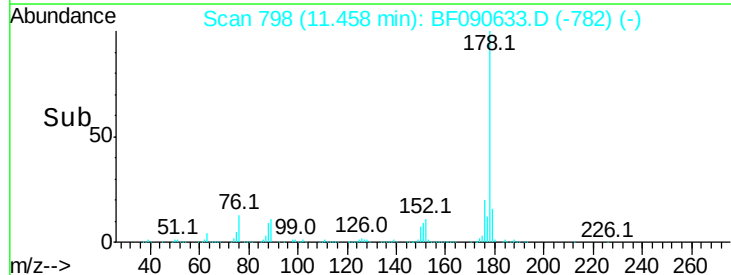
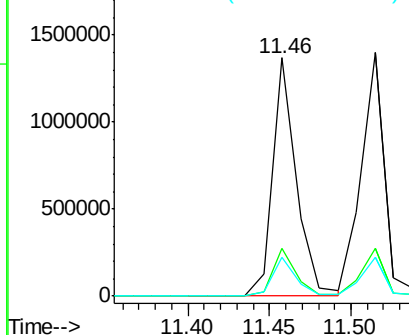


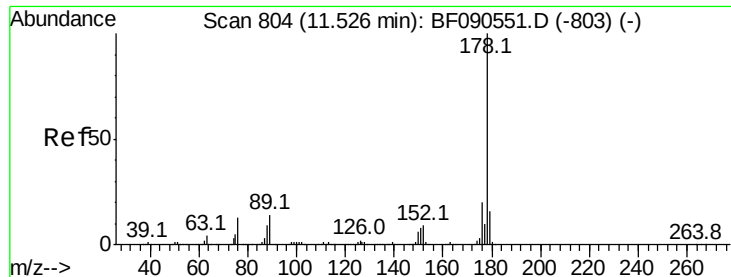
#70
 Phenanthrene
 Concen: 36.65 ng
 RT: 11.46 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.1	24.1
179	16.2	12.6	19.0



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

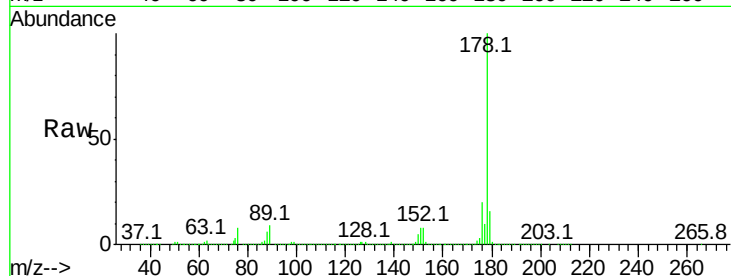




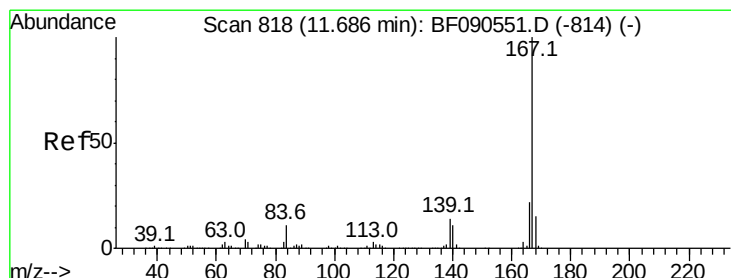
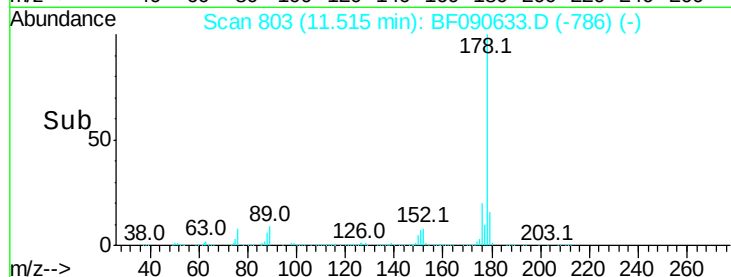
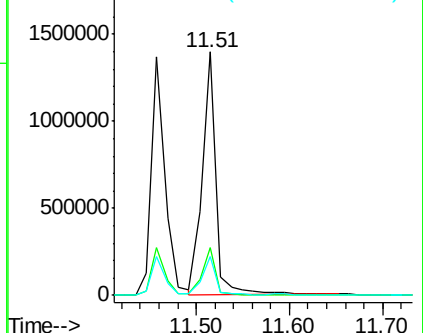
#71
 Anthracene
 Concen: 35.52 ng
 RT: 11.51 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

Tot Ion:178 Resp: 1449809
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 15.9 13.0 19.4

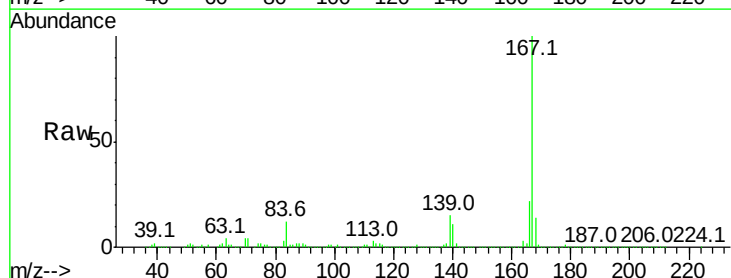


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

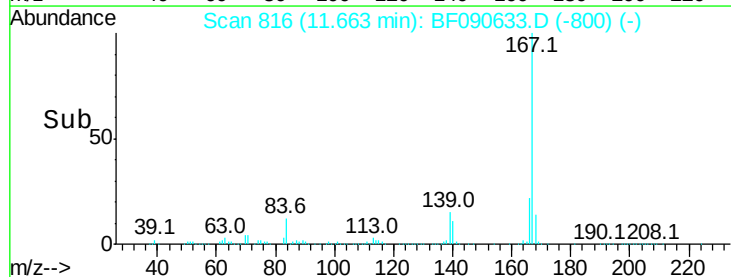
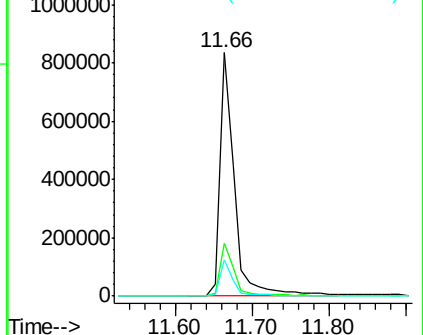


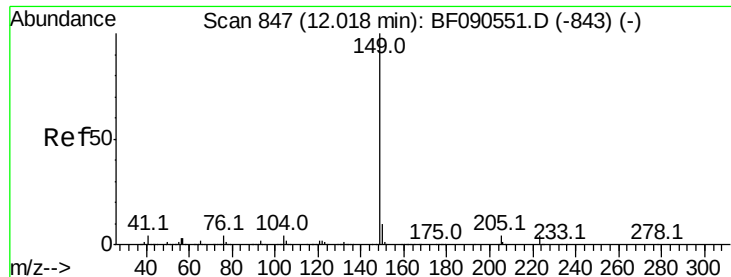
#72
 Carbazole
 Concen: 29.87 ng
 RT: 11.66 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion:167 Resp: 1091483
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.8
 139 14.7 11.3 16.9



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: 33.70 ng

RT: 11.99 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

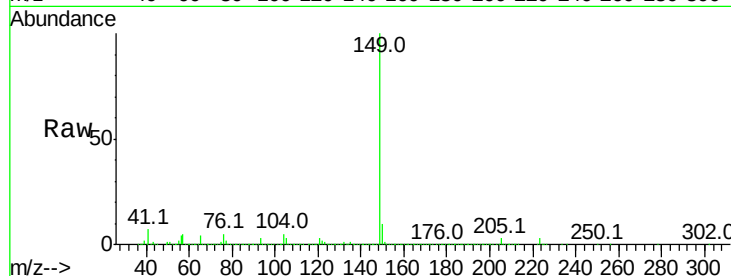
Tot Ion:149 Resp: 1442509

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

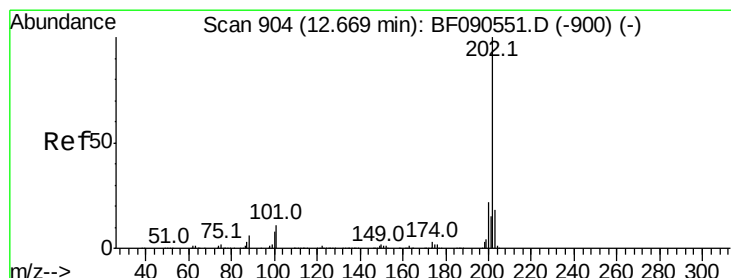
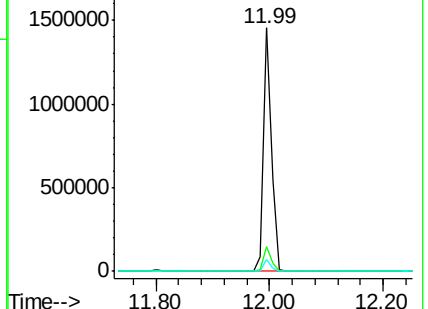
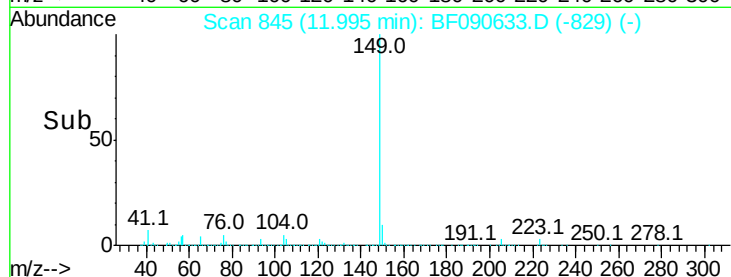
104 5.0 3.3 4.9#



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: 34.98 ng

RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

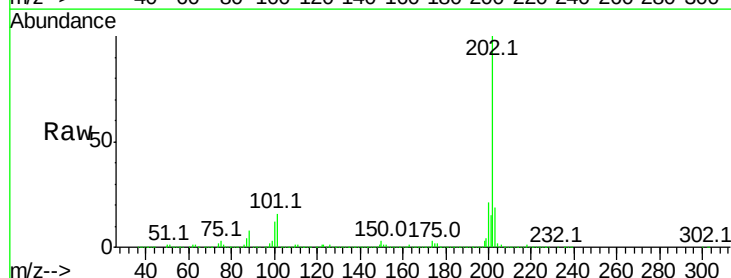
Tgt Ion:202 Resp: 1334254

Ion Ratio Lower Upper

202 100

101 16.0 0.0 31.1

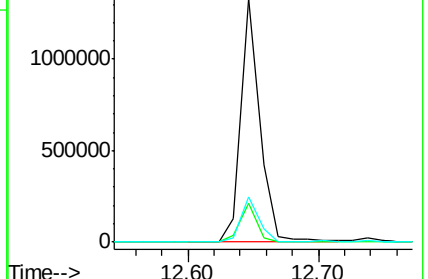
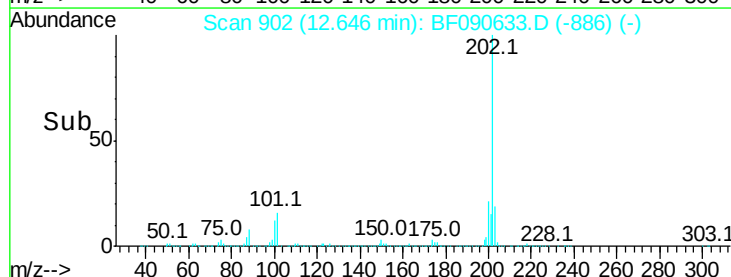
203 18.6 0.0 38.0

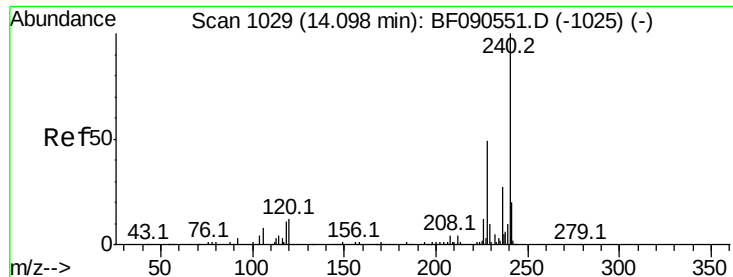


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.09 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

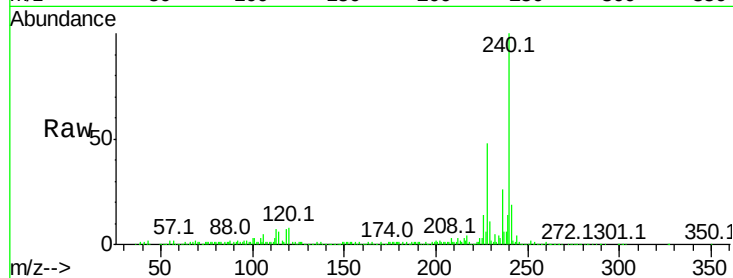
Tot Ion:240 Resp: 522735

Ion Ratio Lower Upper

240 100

120 7.9 9.8 14.8#

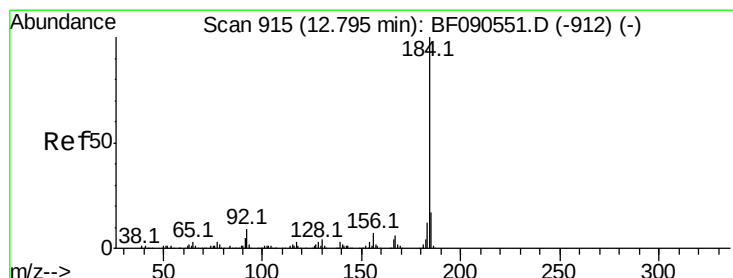
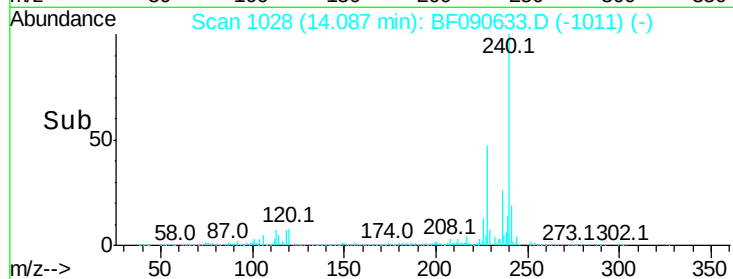
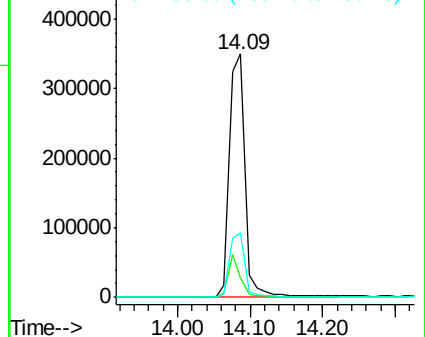
236 26.4 21.7 32.5



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: 7.55 ng

RT: 12.78 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

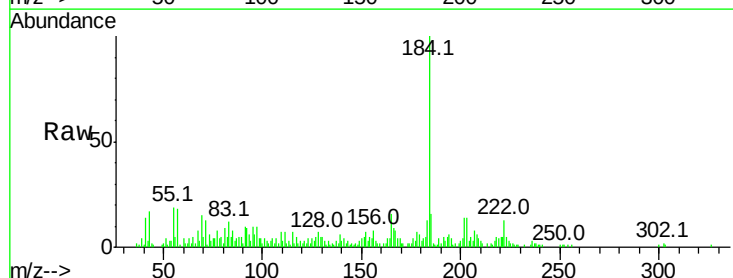
Tgt Ion:184 Resp: 98146

Ion Ratio Lower Upper

184 100

185 15.9 13.4 20.0

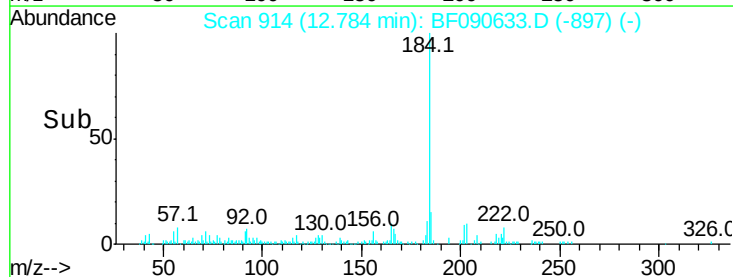
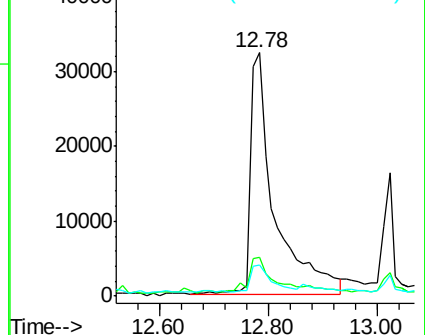
183 13.0 9.4 14.0

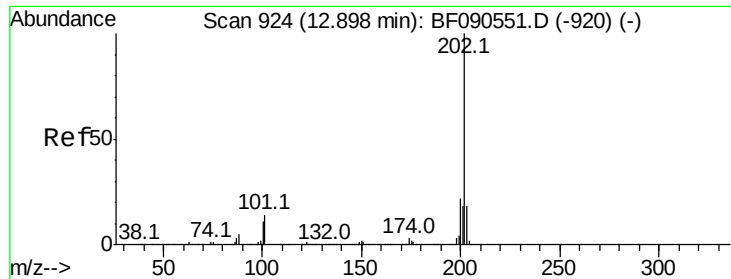


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 36.77 ng

RT: 12.87 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

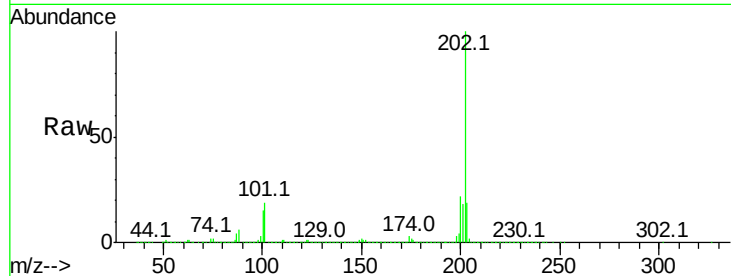
Tot Ion:202 Resp: 1273008

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.8	26.6
203	18.6	14.6	21.8

202 100

200 22.0 17.8 26.6

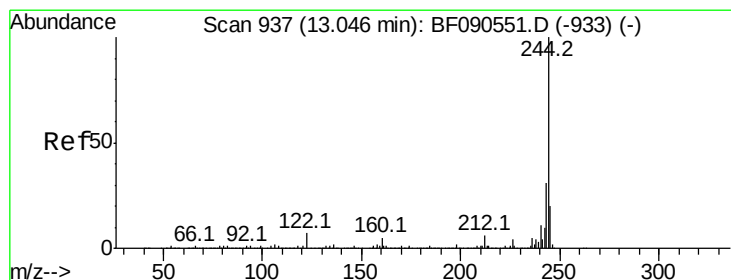
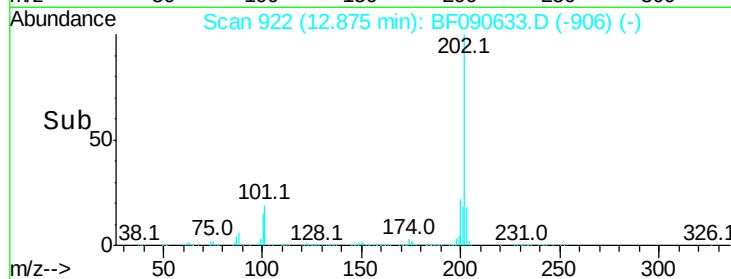
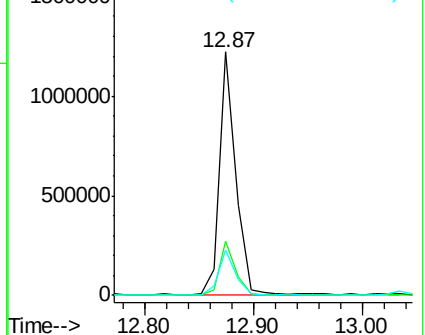
203 18.6 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 61.04 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

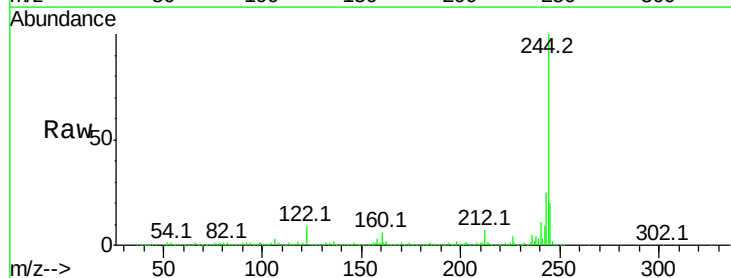
Tgt Ion:244 Resp: 1370327

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.0	7.4
122	9.1	5.6	8.4

244 100

212 6.7 5.0 7.4

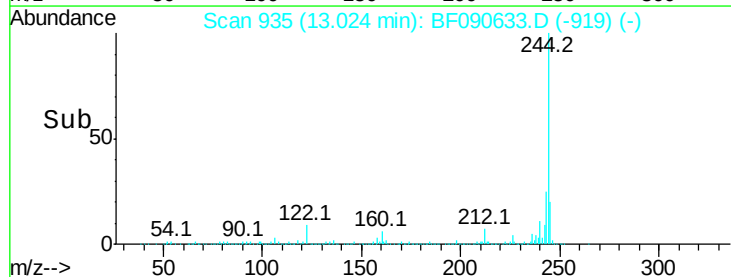
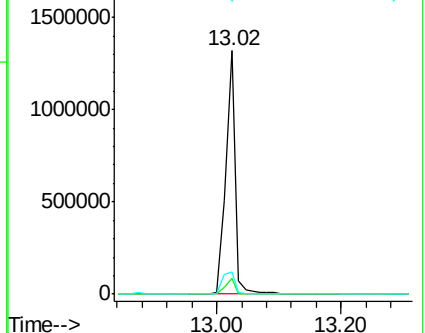
122 9.1 5.6 8.4

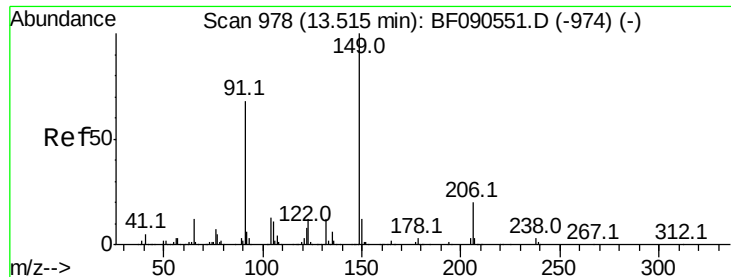


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

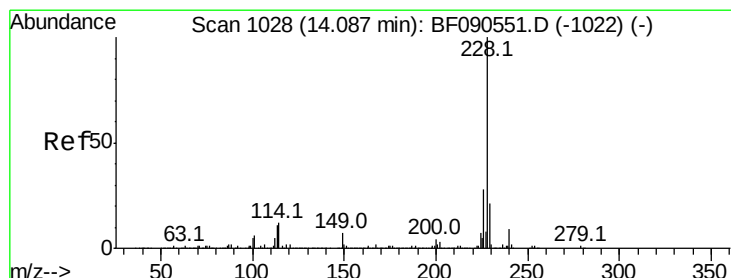
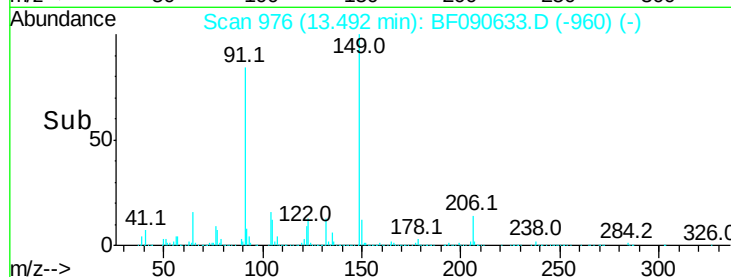
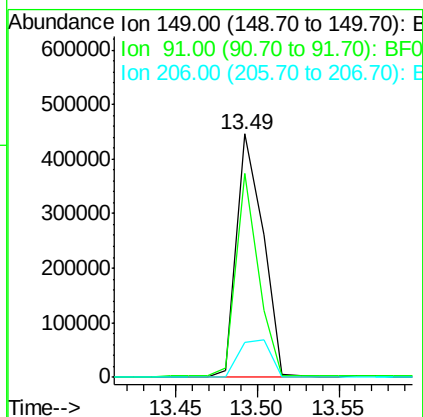
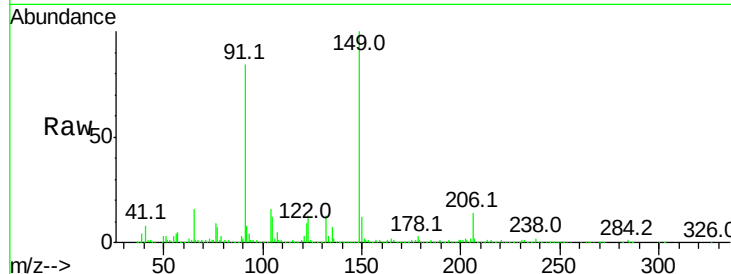




#79
Butylbenzylphthalate
Concen: 32.39 ng
RT: 13.49 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

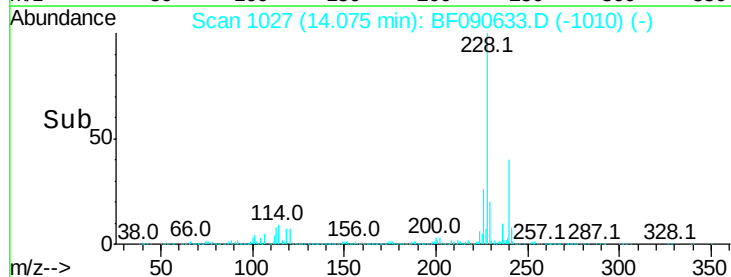
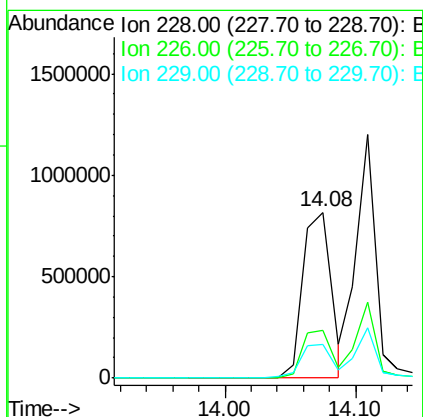
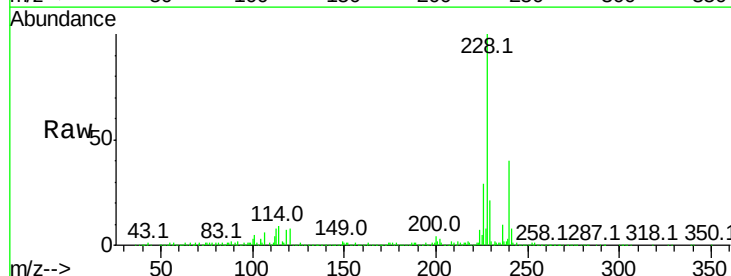
Instrument :
BNA_F
ClientSampleID :
SP-3-2MSD

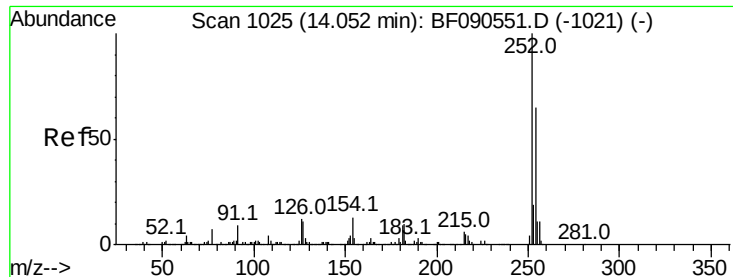
Tot Ion	Ratio	Lower	Upper
149	100		
91	83.7	54.3	81.5#
206	14.4	15.8	23.6#



#80
Benzo(a)anthracene
Concen: 41.42 ng
RT: 14.08 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF090633.D
Acq: 18 Oct 2016 17:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.8	34.2
229	20.7	16.6	25.0

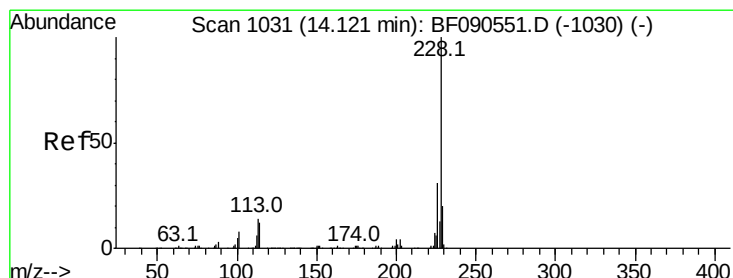
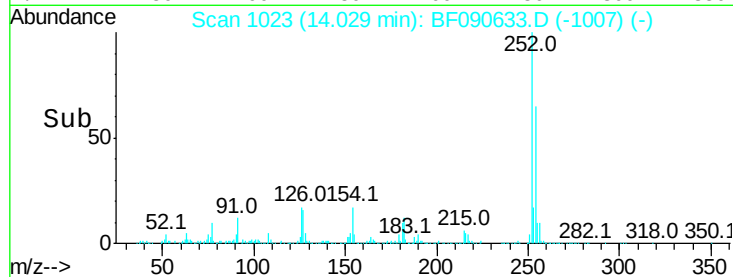
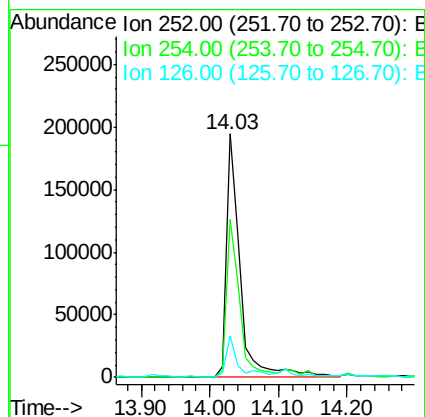
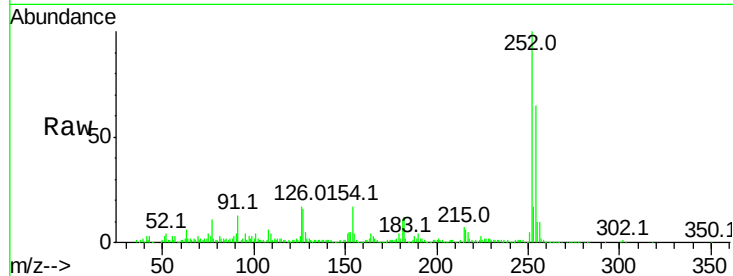




#81
 3,3'-Dichlorobenzidine
 Concen: 26.69 ng
 RT: 14.03 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

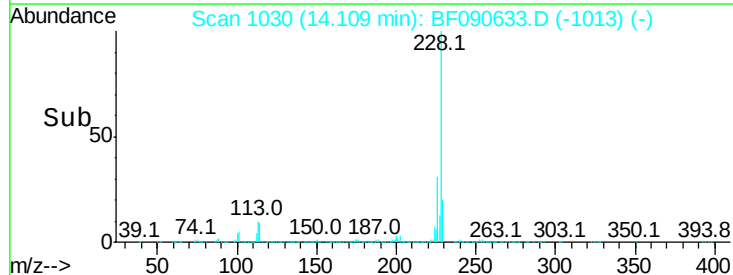
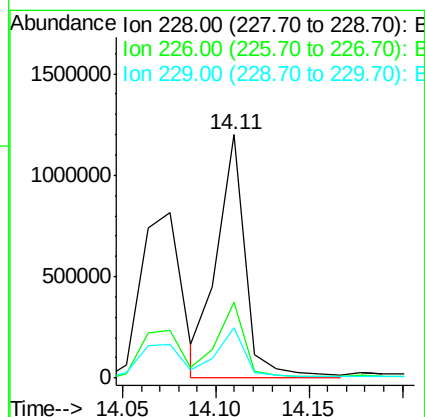
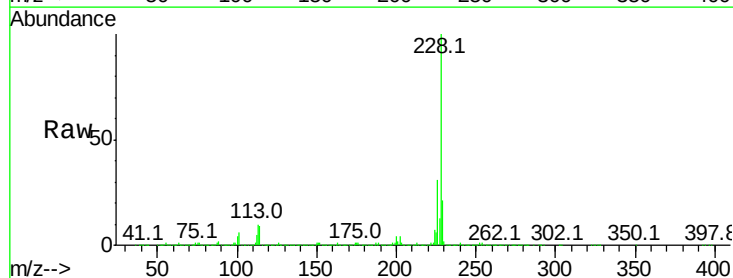
Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

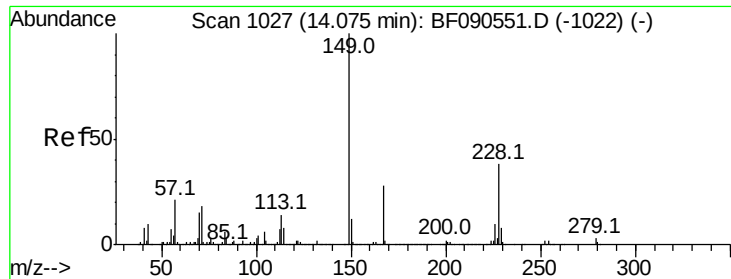
Tot Ion:252 Resp: 271315
 Ion Ratio Lower Upper
 252 100
 254 64.9 52.1 78.1
 126 17.2 9.3 13.9#



#82
 Chrysene
 Concen: 44.23 ng
 RT: 14.11 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion:228 Resp: 1268306
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.8 37.2
 229 20.7 16.2 24.4

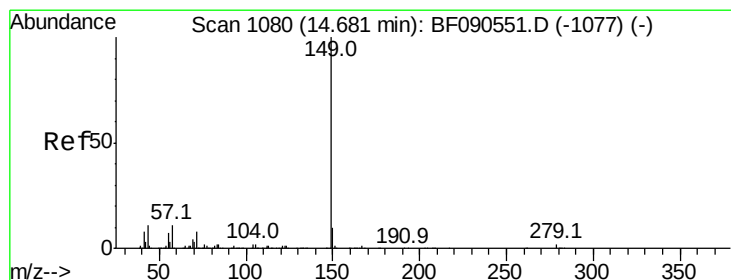
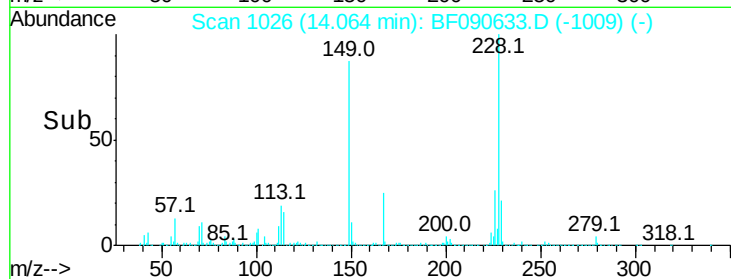
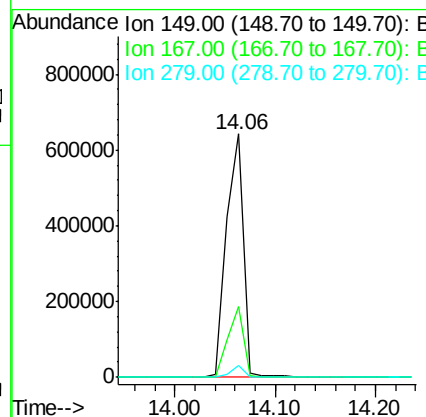
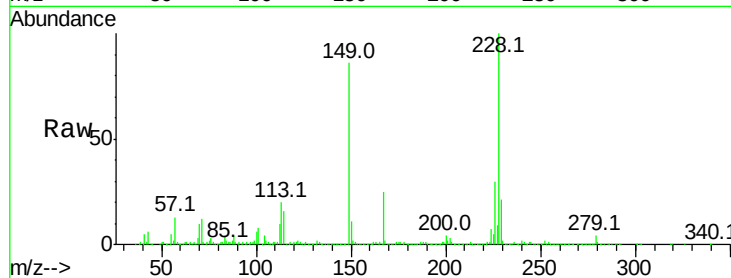




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 36.19 ng
 RT: 14.06 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

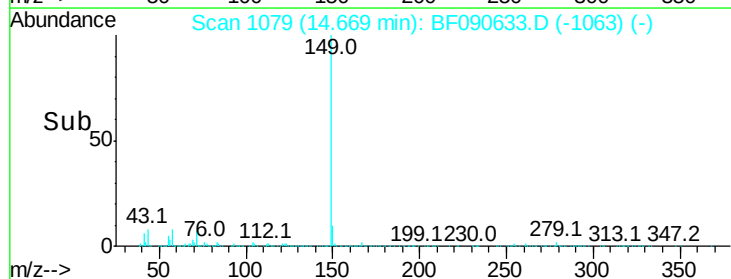
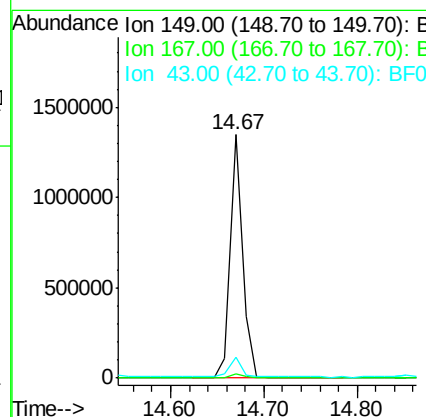
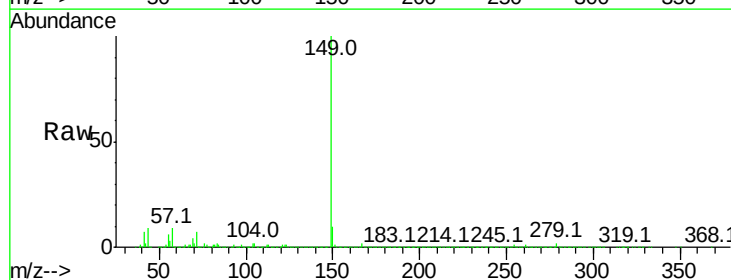
Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

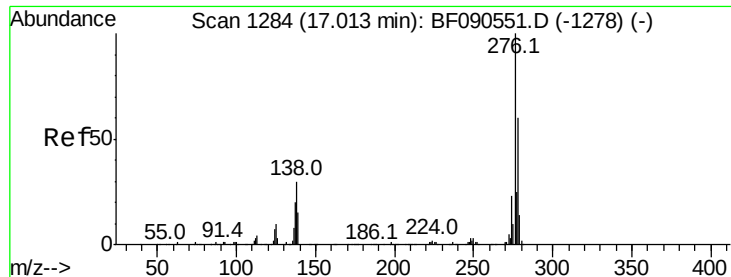
Tot Ion:149 Resp: 748893
 Ion Ratio Lower Upper
 149 100
 167 28.9 22.1 33.1
 279 5.0 2.6 4.0#



#84
 Di-n-octyl phthalate
 Concen: 44.65 ng
 RT: 14.67 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion:149 Resp: 1238777
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 8.2 6.7 10.1

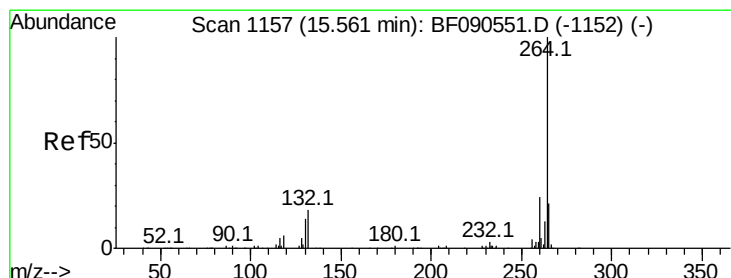
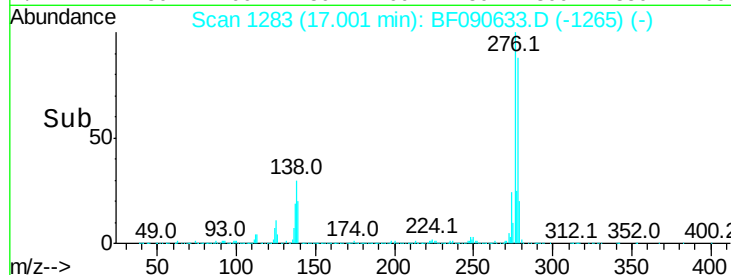
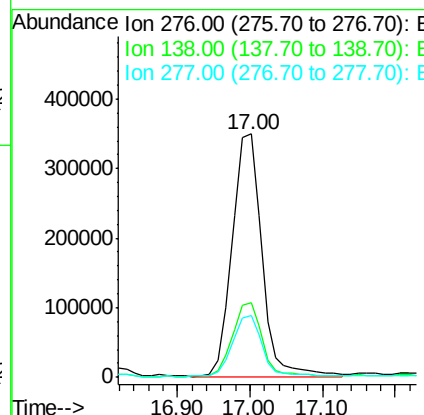
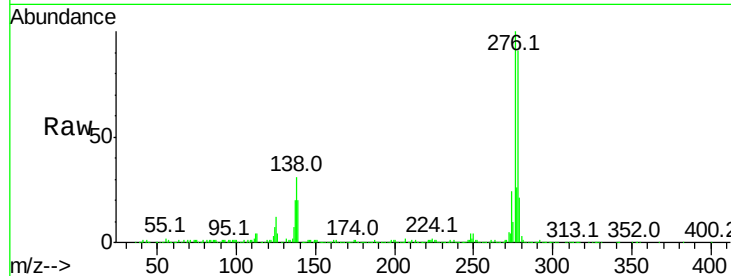




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 59.89 ng
 RT: 17.00 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

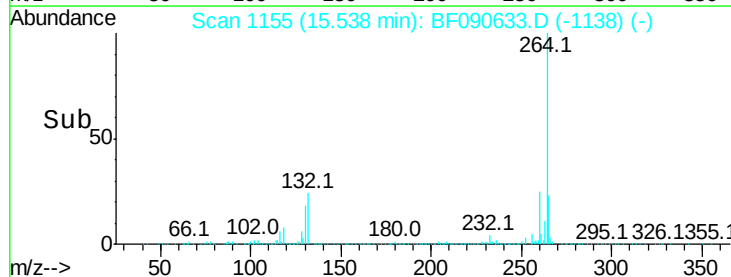
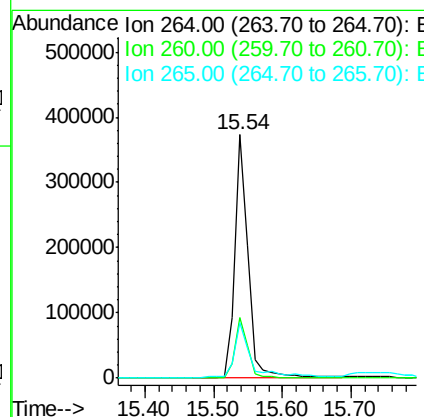
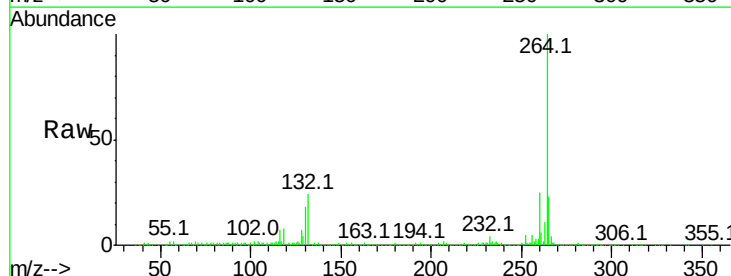
Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2MSD

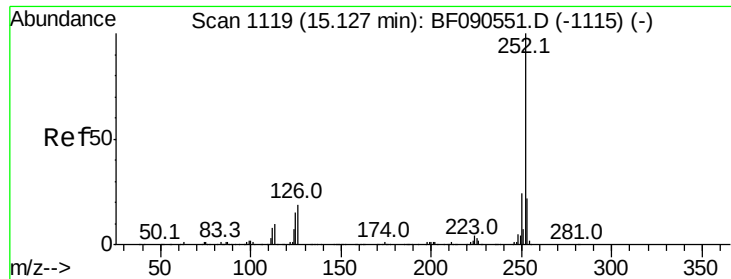
Tot Ion:276 Resp: 992831
 Ion Ratio Lower Upper
 276 100
 138 30.6 25.8 38.6
 277 25.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BF090633.D
 Acq: 18 Oct 2016 17:41

Tgt Ion:264 Resp: 511108
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.3 28.9
 265 22.8 16.7 25.1





#87

Benzo(b)fluoranthene

Concen: 51.10 ng m

RT: 15.12 min Scan# 1118

Delta R.T. -0.00 min

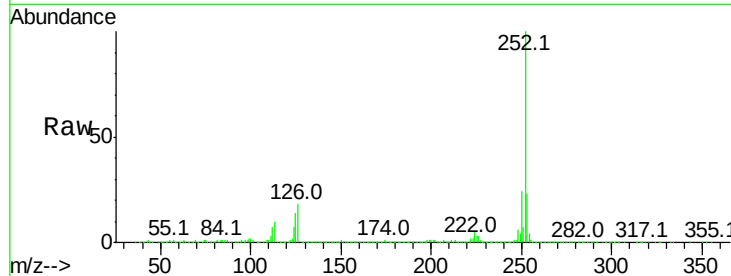
Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :
BNA_F
ClientSampled :
SP-3-2MSD

Tot Ion:252 Resp: 1708909

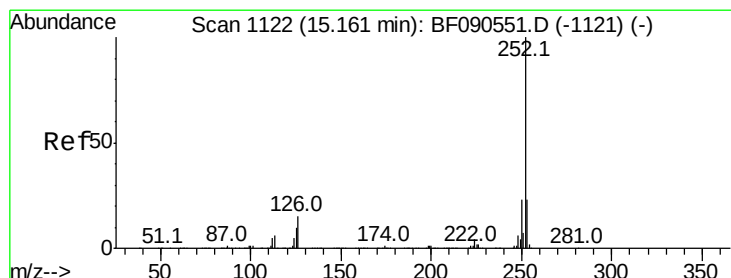
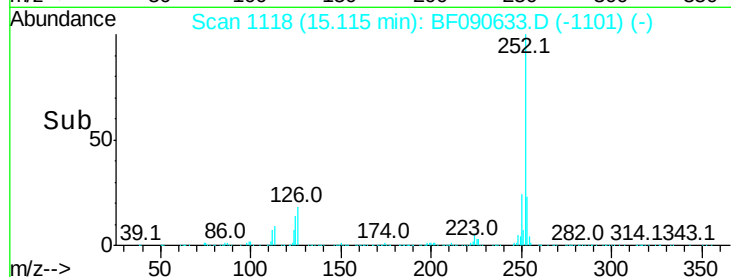
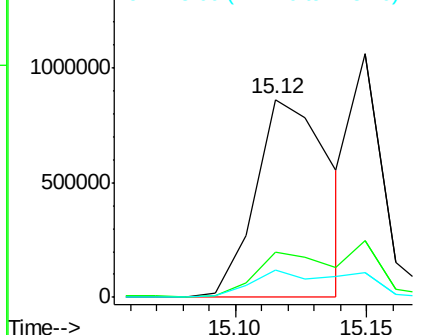
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	13.8	12.0	18.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 25.39 ng m

RT: 15.15 min Scan# 1121

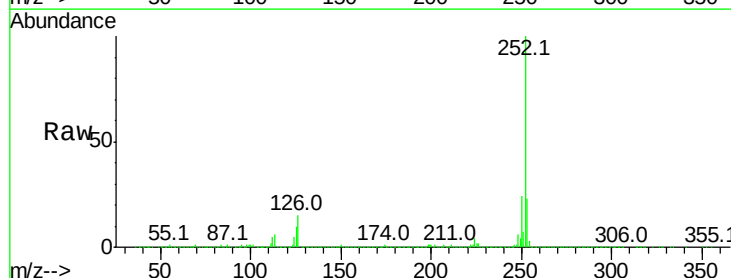
Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Tgt Ion:252 Resp: 913804

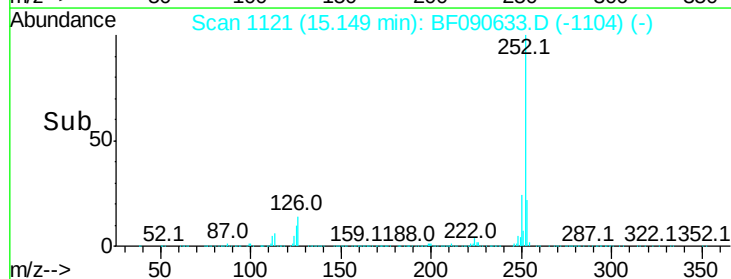
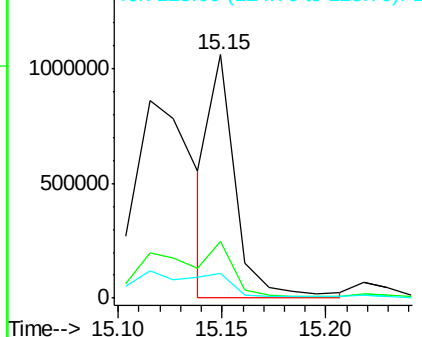
Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	10.2	10.0	15.0

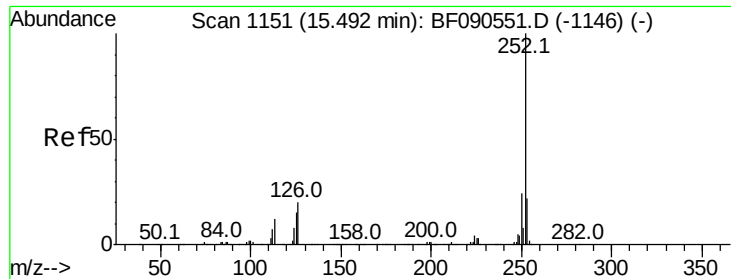


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 36.24 ng

RT: 15.48 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

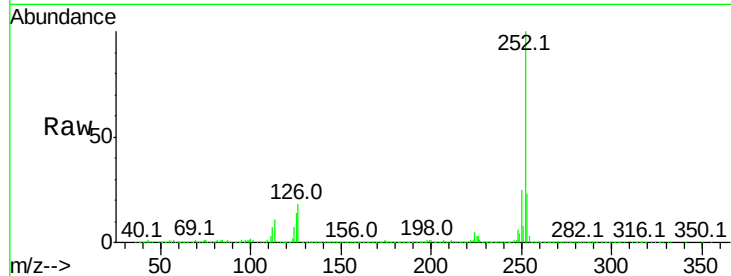
Tot Ion:252 Resp: 1109628

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

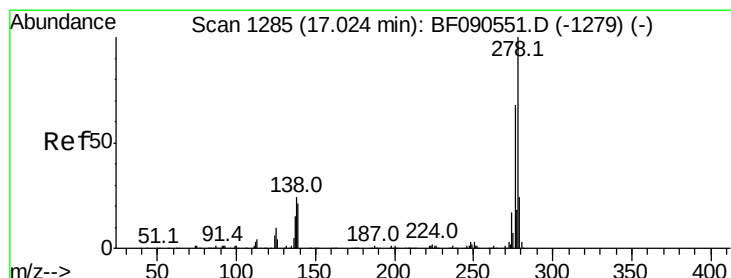
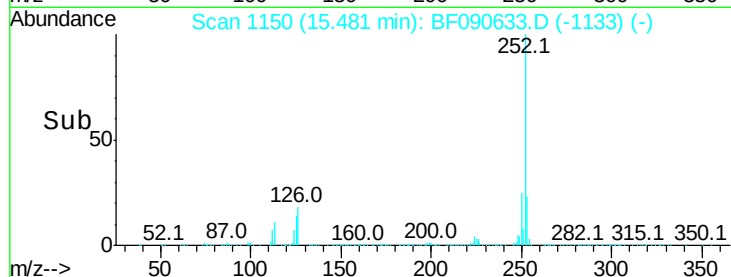
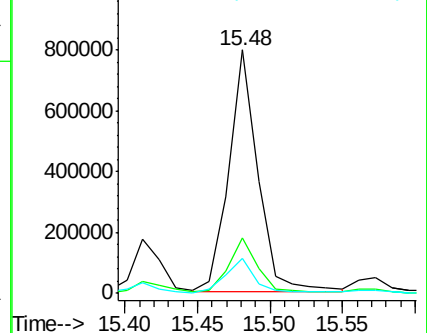
125 14.1 12.3 18.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 34.31 ng

RT: 17.01 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

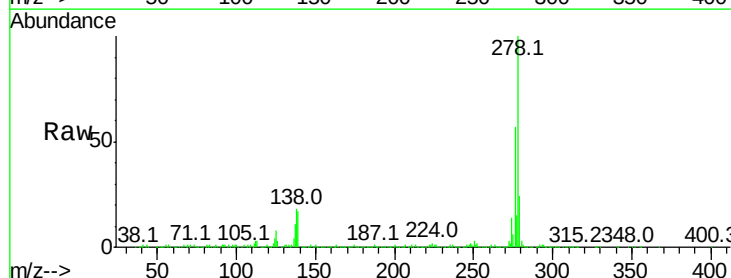
Tgt Ion:278 Resp: 801201

Ion Ratio Lower Upper

278 100

139 17.2 16.6 25.0

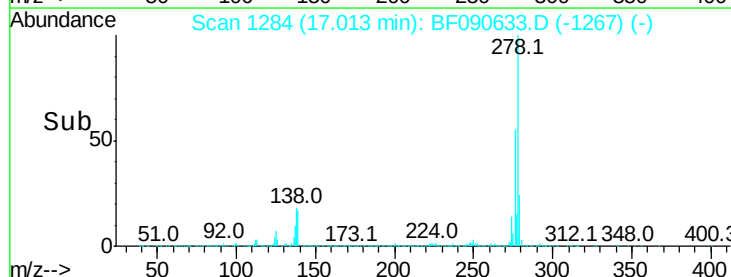
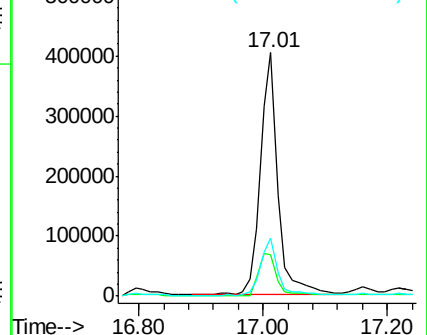
279 24.1 19.1 28.7

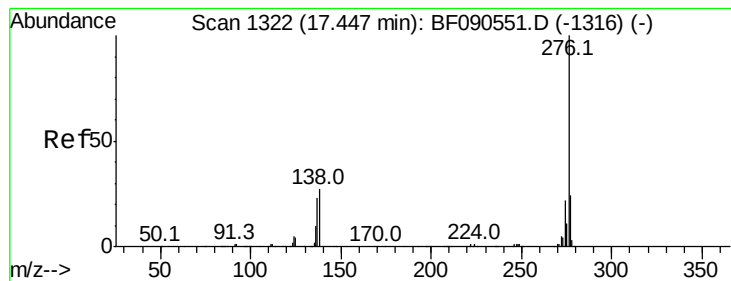


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 33.55 ng

RT: 17.44 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF090633.D

Acq: 18 Oct 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-3-2MSD

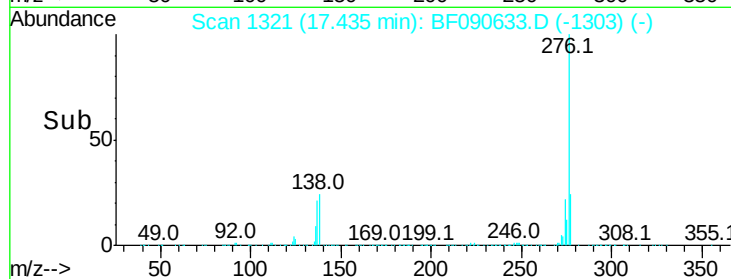
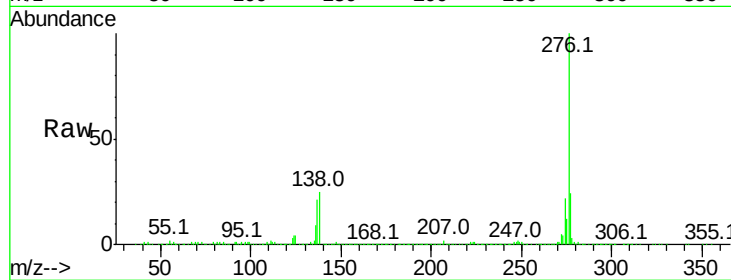
Tot Ion:276 Resp: 747087

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

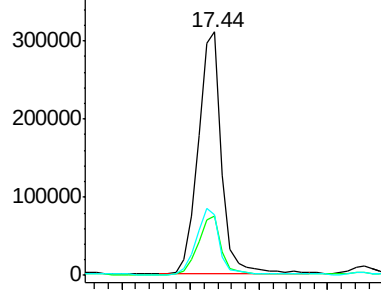
138 24.6 21.8 32.8



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



Time-->