

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
 Data File : BF081991.D
 Acq On : 2 Oct 2015 21:05
 Operator : UM/IZ
 Sample : G3886-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-24(16-18)MSD

Quant Time: Oct 05 06:56:28 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	113926	20.00	ng	-0.05
21) Naphthalene-d8	8.17	136	452266	20.00	ng	-0.05
38) Acenaphthene-d10	9.93	164	229159	20.00	ng	-0.05
63) Phenanthrene-d10	11.43	188	455119	20.00	ng	-0.03
75) Chrysene-d12	14.08	240	427129	20.00	ng	-0.03
86) Perylene-d12	15.53	264	337729	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	699238	111.42	ng	-0.03
7) Phenol-d6	6.53	99	976776	123.69	ng	-0.03
23) Nitrobenzene-d5	7.46	82	604979	89.17	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	268515	115.70	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	1155669	84.24	ng	-0.05
78) Terphenyl-d14	13.02	244	1099507	82.45	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	2.53	88	93836	34.38	ng	# 83
3) Pyridine	3.26	79	236350	33.26	ng	85
4) n-Nitrosodimethylamine	3.22	42	116639	36.14	ng	92
6) Aniline	6.55	93	245851	23.17	ng	# 84
8) 2-Chlorophenol	6.67	128	298732	43.11	ng	99
9) Benzaldehyde	6.43	77	54104	10.46	ng	# 80
10) Phenol	6.54	94	361978	40.86	ng	80
11) bis(2-Chloroethyl)ether	6.63	93	314485	45.78	ng	96
12) 1,3-Dichlorobenzene	7.06	146	291538	35.61	ng	98
13) 1,4-Dichlorobenzene	7.06	146	299583	35.05	ng	97
14) 1,2-Dichlorobenzene	7.06	146	309987	40.70	ng	99
15) Benzyl Alcohol	7.03	79	212594	37.29	ng	# 76
16) 2,2'-oxybis(1-Chloropropan	7.17	45	397189	40.90	ng	81
17) 2-Methylphenol	7.14	107	234424	41.72	ng	# 86
18) Hexachloroethane	7.39	117	109829	41.04	ng	90
19) n-Nitroso-di-n-propylamine	7.30	70	187256	39.01	ng	# 78
20) 3+4-Methylphenols	7.30	107	283935	40.01	ng	# 50
22) Acetophenone	7.30	105	392369	42.43	ng	# 81
24) Nitrobenzene	7.47	77	284823	38.66	ng	# 69
25) Isophorone	7.71	82	559460	41.60	ng	# 92
26) 2-Nitrophenol	7.79	139	166592	47.11	ng	# 81
27) 2,4-Dimethylphenol	7.83	122	273380	43.94	ng	# 82
28) bis(2-Chloroethoxy)methane	7.93	93	347928	43.57	ng	# 94
29) 2,4-Dichlorophenol	8.03	162	277608	46.02	ng	97
30) 1,2,4-Trichlorobenzene	8.11	180	281620	41.82	ng	98
31) Naphthalene	8.19	128	815400	40.69	ng	97
32) Benzoic acid	7.92	122	75868	24.61	ng	# 71
33) 4-Chloroaniline	8.25	127	130626	15.07	ng	# 94
34) Hexachlorobutadiene	8.31	225	162657	40.84	ng	98
35) Caprolactam	8.63	113	50697	30.36	ng	90
36) 4-Chloro-3-methylphenol	8.73	107	264277	44.80	ng	85
37) 2-Methylnaphthalene	8.89	142	588864	43.05	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	9.05	216	278933	39.65	ng	98
40) Hexachlorocyclopentadiene	9.04	237	171027	47.21	ng	98

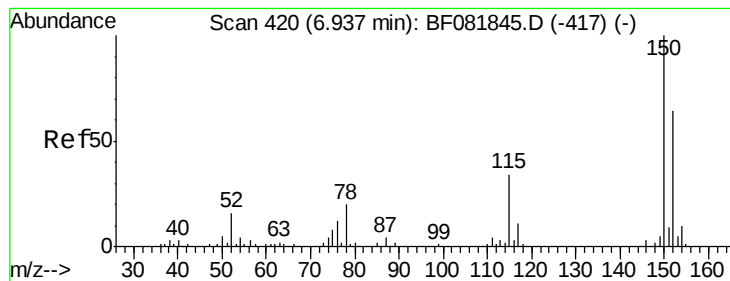
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	178920	37.10	nq	100
43) 2,4,5-Trichlorophenol	9.21	196	212058	42.75	nq	# 96
45) 1,1'-Biphenyl	9.36	154	738175	41.75	nq	95
46) 2-Chloronaphthalene	9.38	162	574677	41.40	nq	95
47) 2-Nitroaniline	9.49	65	168056	41.24	nq	90
48) Acenaphthylene	9.79	152	829652	37.34	nq	96
49) Dimethylphthalate	9.67	163	921062	58.23	nq	# 98
50) 2,6-Dinitrotoluene	9.73	165	145294	42.31	nq	# 69
51) Acenaphthene	9.97	154	561152	42.53	nq	89
52) 3-Nitroaniline	9.90	138	96557	24.30	nq	# 72
53) 2,4-Dinitrophenol	10.00	184	109770	71.12	nq	# 57
54) Dibenzofuran	10.15	168	785264	42.11	nq	94
55) 4-Nitrophenol	10.06	139	216326	75.35	nq	# 47
56) 2,4-Dinitrotoluene	10.14	165	191165	43.67	nq	# 94
57) Fluorene	10.49	166	628791	47.26	nq	92
58) 2,3,4,6-Tetrachlorophenol	10.26	232	189047	48.05	nq	93
59) Diethylphthalate	10.37	149	610809	41.34	nq	99
60) 4-Chlorophenyl-phenylether	10.48	204	297778	43.62	nq	92
61) 4-Nitroaniline	10.53	138	153395	38.51	nq	# 65
62) Azobenzene	10.64	77	627311	43.50	nq	91
64) 4,6-Dinitro-2-methylphenol	10.54	198	91504	44.98	nq	98
65) n-Nitrosodiphenylamine	10.61	169	554005	40.23	nq	92
66) 4-Bromophenyl-phenylether	10.97	248	194736	42.44	nq	99
67) Hexachlorobenzene	11.03	284	185686	35.85	nq	# 81
68) Atrazine	11.13	200	165470	38.73	nq	83
69) Pentachlorophenol	11.23	266	235508	79.81	nq	99
70) Phenanthrene	11.45	178	883298	40.15	nq	95
71) Anthracene	11.51	178	989487	42.78	nq	98
72) Carbazole	11.66	167	849340	40.57	nq	95
73) Di-n-butylphthalate	11.99	149	936864	43.90	nq	# 98
74) Fluoranthene	12.64	202	949297	38.94	nq	90
76) Benzidine	12.79	184	53775	4.18	nq	97
77) Pyrene	12.87	202	928338	36.38	nq	95
79) Butylbenzylphthalate	13.50	149	437374	45.55	nq	96
80) Benzo(a)anthracene	14.07	228	842172	36.62	nq	96
81) 3,3'-Dichlorobenzidine	14.04	252	195371	25.15	nq	# 93
82) Chrysene	14.07	228	842172	39.51	nq	98
83) Bis(2-ethylhexyl)phthalate	14.06	149	570276	47.35	nq	# 94
84) Di-n-octyl phthalate	14.68	149	945013	48.21	nq	# 92
85) Indeno(1,2,3-cd)pyrene	16.98	276	673422	37.43	nq	# 87
87) Benzo(b)fluoranthene	15.14	252	1588303	82.37	nq	# 86
88) Benzo(k)fluoranthene	15.14	252	1590059	89.97	nq	# 86
89) Benzo(a)pyrene	15.48	252	731293	43.72	nq	# 86
90) Dibenzo(a,h)anthracene	17.01	278	560394	39.93	nq	# 81
91) Benzo(g,h,i)perylene	17.43	276	545762	37.95	nq	# 76

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

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ClientSampleId :

OS-SB-24(16-18)MSD

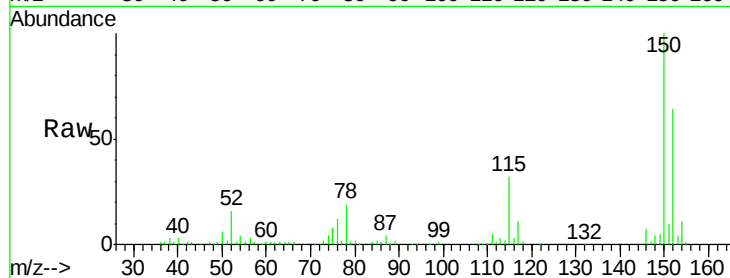
Tot Ion:152 Resp: 113926

Ion Ratio Lower Upper

152 100

150 155.8 124.7 187.1

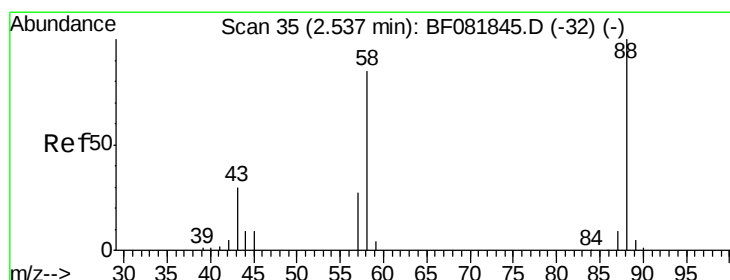
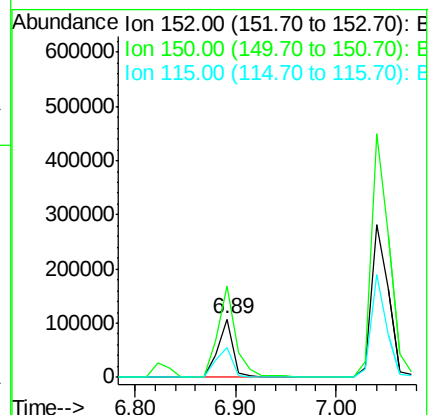
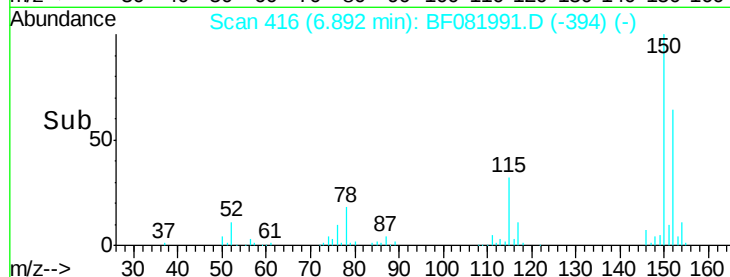
115 50.2 39.0 58.4



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: 34.38 ng

RT: 2.53 min Scan# 34

Delta R.T. -0.01 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

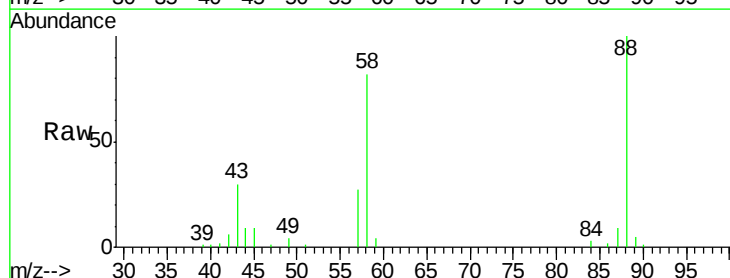
Tgt Ion: 88 Resp: 93836

Ion Ratio Lower Upper

88 100

58 77.5 77.7 116.5#

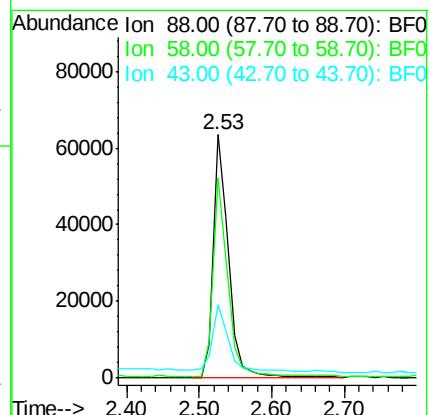
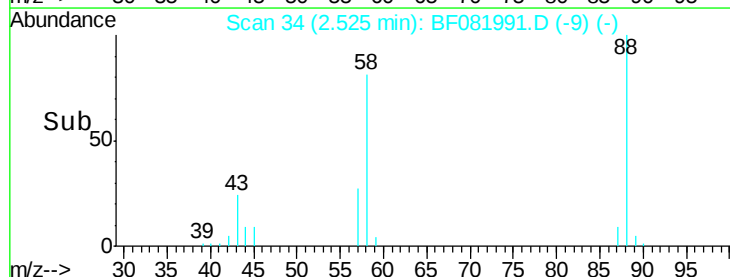
43 29.1 26.6 40.0



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 33.26 ng

RT: 3.26 min Scan# 98

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

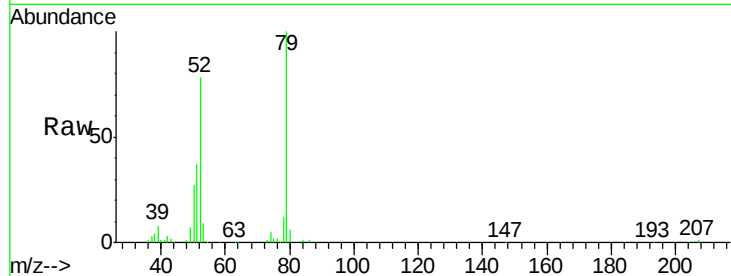
Tot Ion: 79 Resp: 236350

Ion Ratio Lower Upper

79 100

52 77.7 76.8 115.2

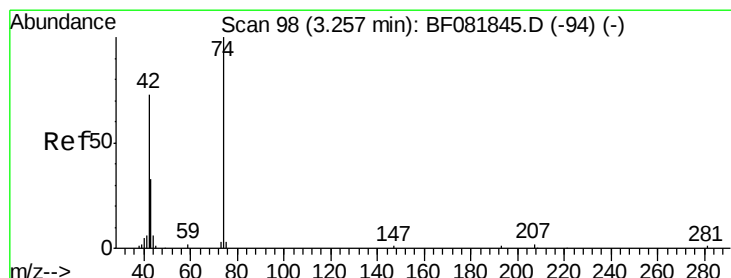
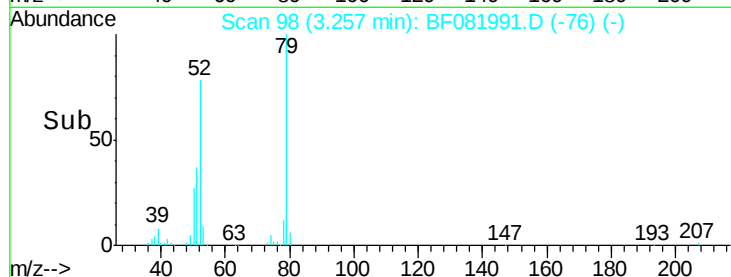
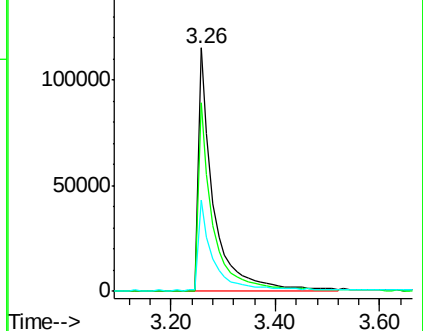
51 37.4 32.2 48.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 36.14 ng

RT: 3.22 min Scan# 95

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

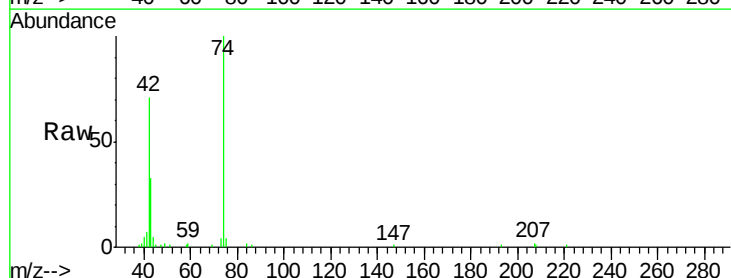
Tgt Ion: 42 Resp: 116639

Ion Ratio Lower Upper

42 100

74 140.9 105.0 157.6

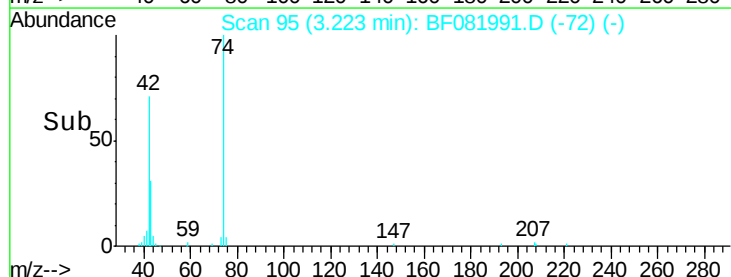
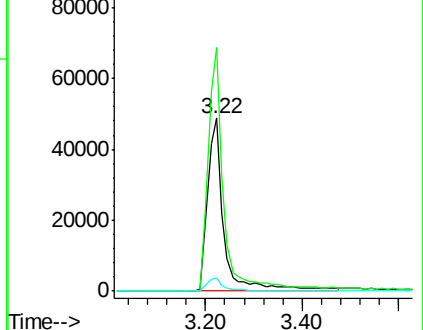
44 7.5 6.6 10.0



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 111.42 ng

RT: 5.49 min Scan# 293

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

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OS-SB-24(16-18)MSD

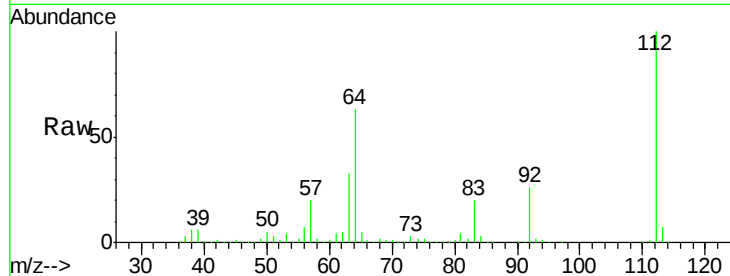
Tot Ion:112 Resp: 699238

Ion Ratio Lower Upper

112 100

64 62.9 39.7 59.5#

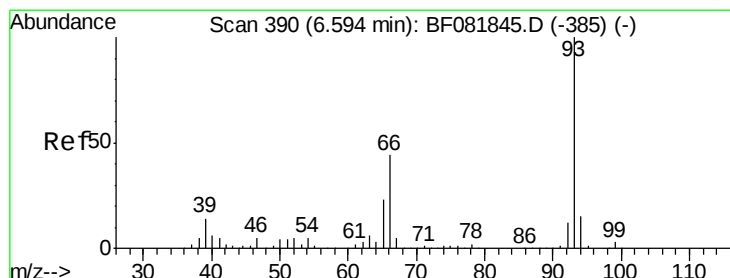
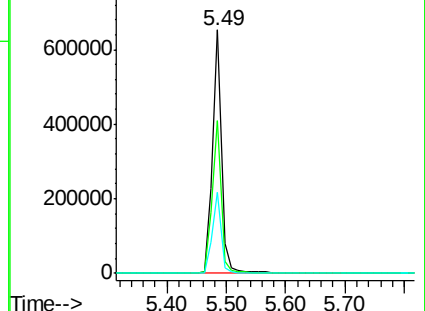
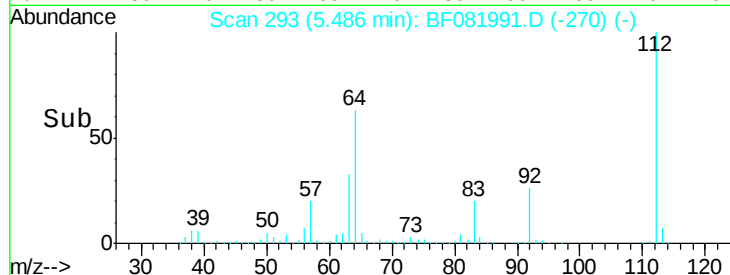
63 33.2 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 23.17 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

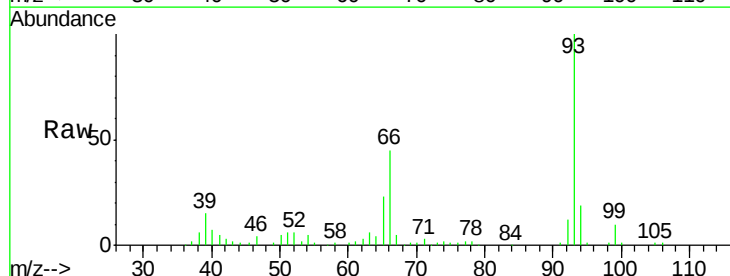
Tgt Ion: 93 Resp: 245851

Ion Ratio Lower Upper

93 100

66 45.1 27.2 40.8#

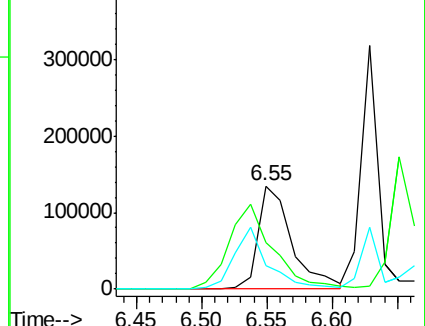
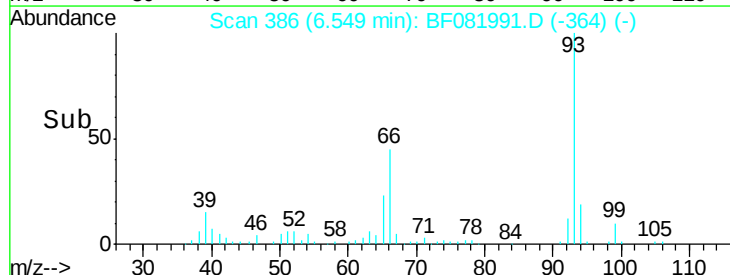
65 22.7 14.7 22.1#

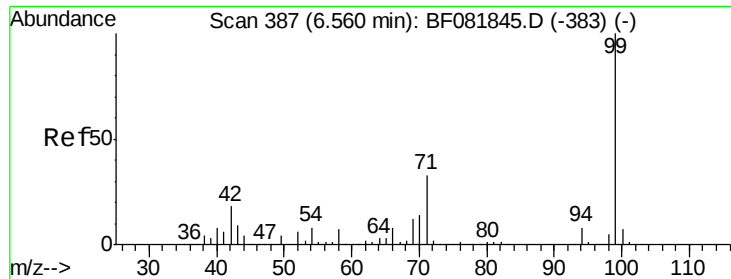


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 123.69 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

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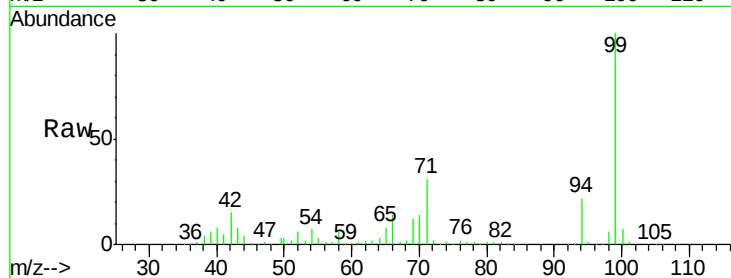
Tot Ion: 99 Resp: 976776

Ion Ratio Lower Upper

99 100

42 15.3 13.7 20.5

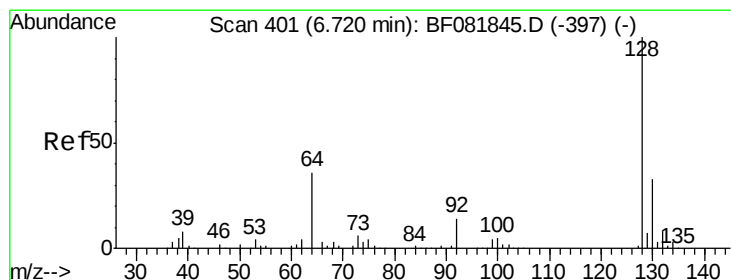
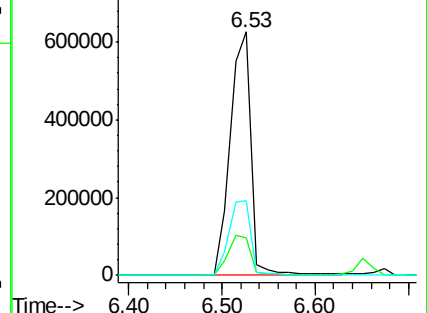
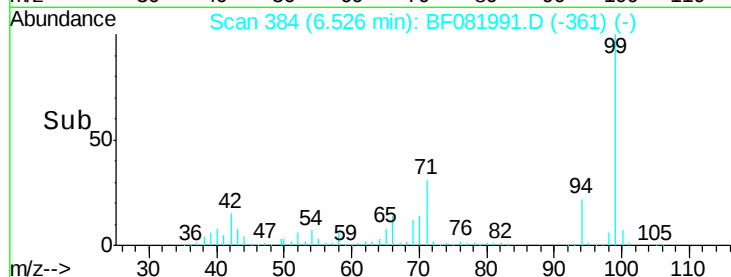
71 30.6 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 43.11 ng

RT: 6.67 min Scan# 397

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

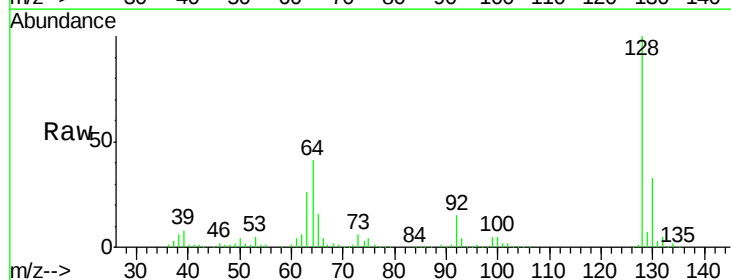
Tgt Ion:128 Resp: 298732

Ion Ratio Lower Upper

128 100

130 32.8 12.2 52.2

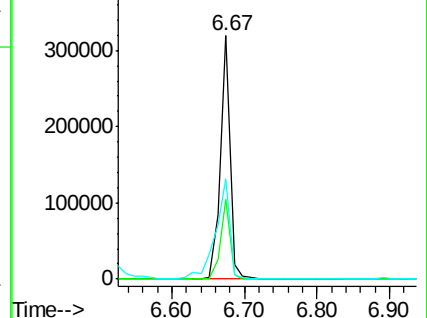
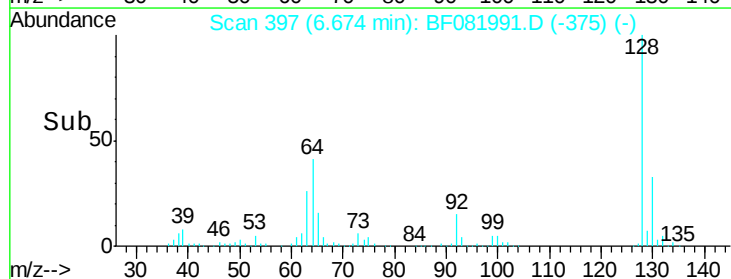
64 41.1 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 10.46 ng

RT: 6.43 min Scan# 376

Delta R.T. -0.05 min

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OS-SB-24(16-18)MSD

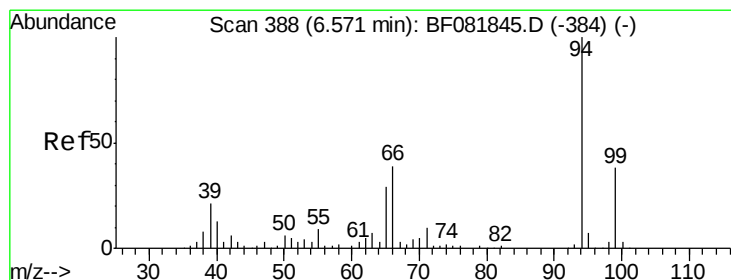
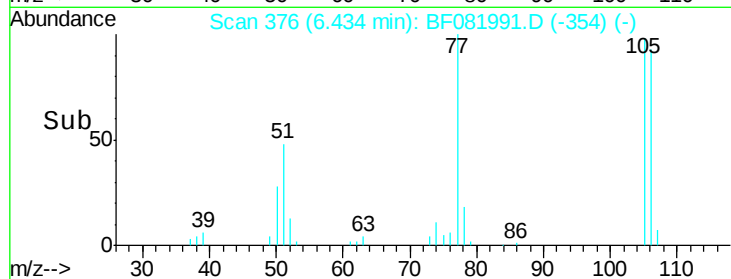
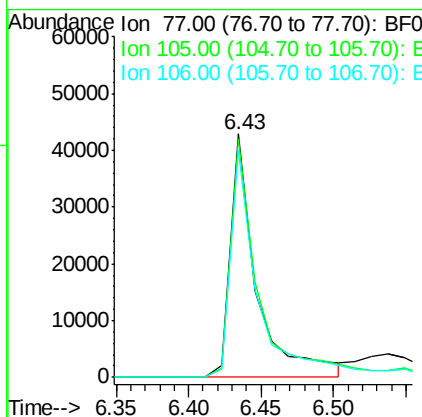
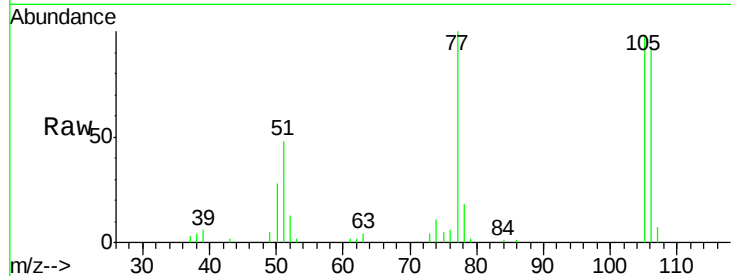
Tot Ion: 77 Resp: 54104

Ion Ratio Lower Upper

77 100

105 98.1 91.6 131.6

106 93.0 102.6 142.6#



#10

Phenol

Concen: 40.86 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

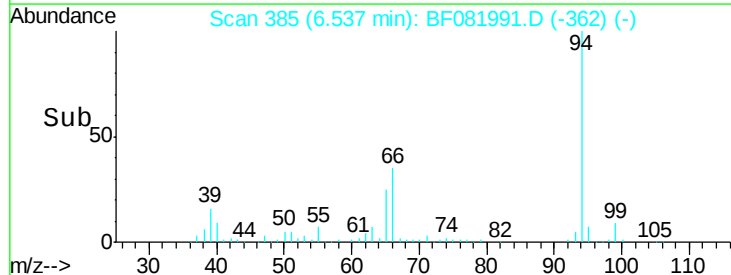
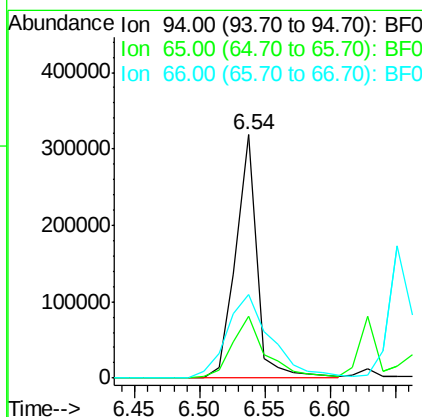
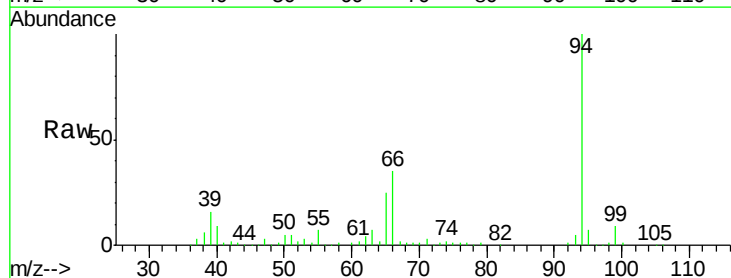
Tgt Ion: 94 Resp: 361978

Ion Ratio Lower Upper

94 100

65 25.5 0.7 40.7

66 34.6 0.8 40.8

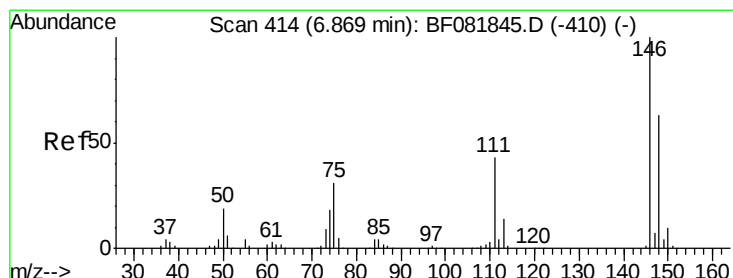
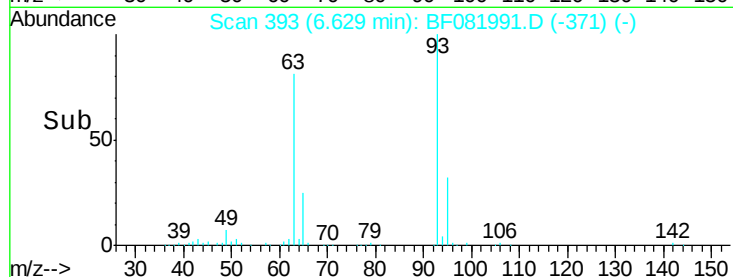
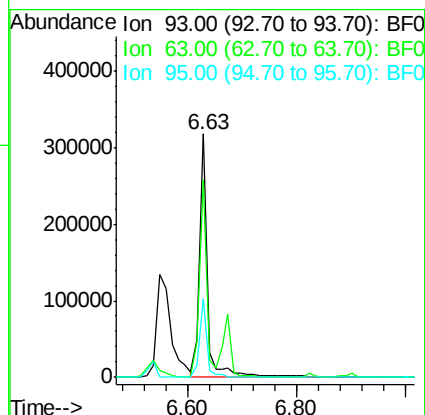
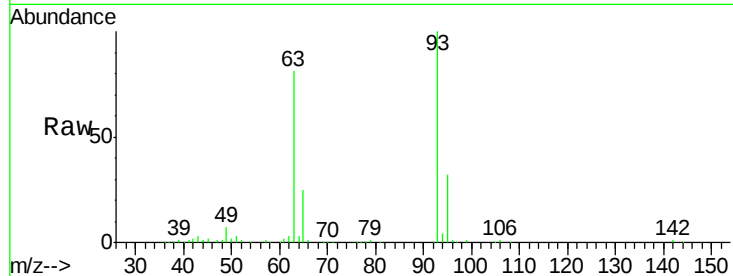




#11
bis(2-Chloroethyl)ether
Concen: 45.78 ng
RT: 6.63 min Scan# 393
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

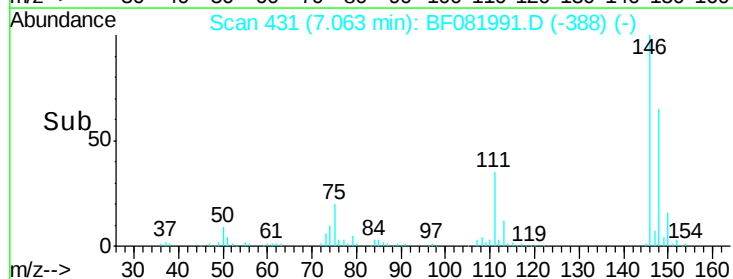
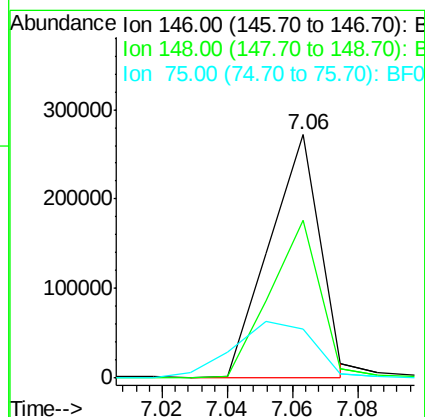
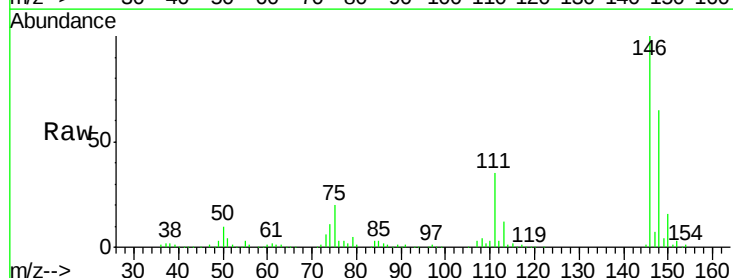
Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

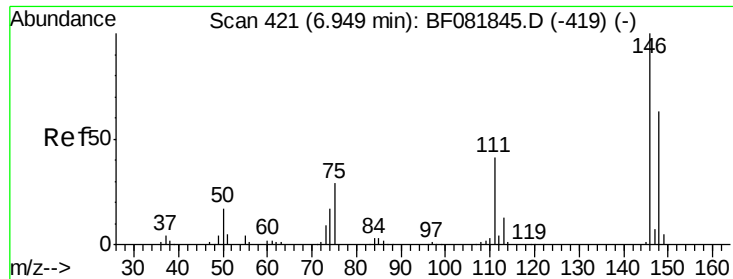
Tot Ion: 93 Resp: 314485
Ion Ratio Lower Upper
93 100
63 81.1 65.6 105.6
95 32.2 13.6 53.6



#12
1,3-Dichlorobenzene
Concen: 35.61 ng
RT: 7.06 min Scan# 431
Delta R.T. 0.19 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion: 146 Resp: 291538
Ion Ratio Lower Upper
146 100
148 65.0 51.0 76.4
75 20.4 15.0 22.6

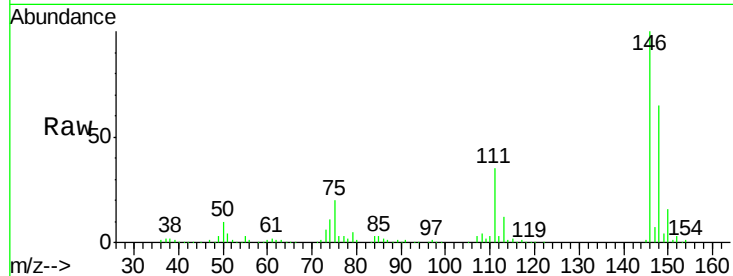




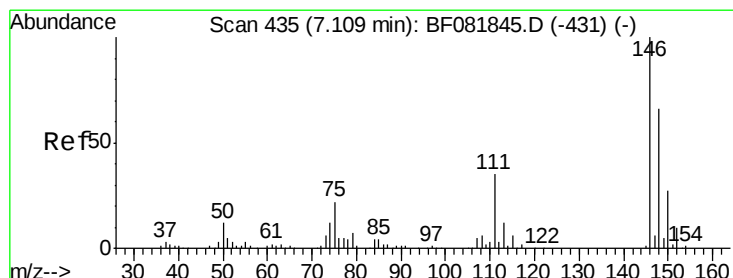
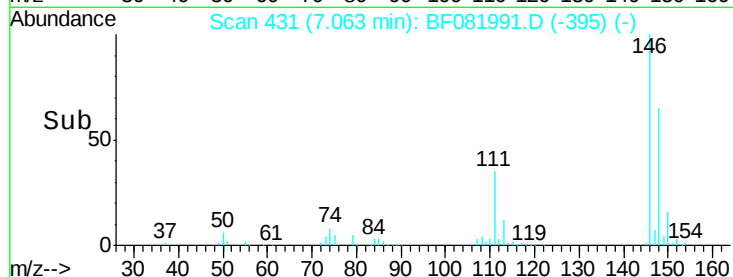
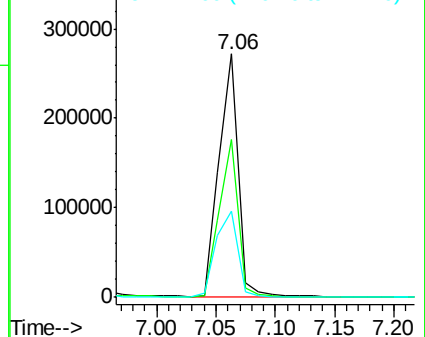
#13
 1,4-Dichlorobenzene
 Concen: 35.05 ng
 RT: 7.06 min Scan# 431
 Delta R.T. 0.11 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-24(16-18)MSD

Tot Ion:146 Resp: 299583
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.8 77.6
 111 35.5 24.9 37.3

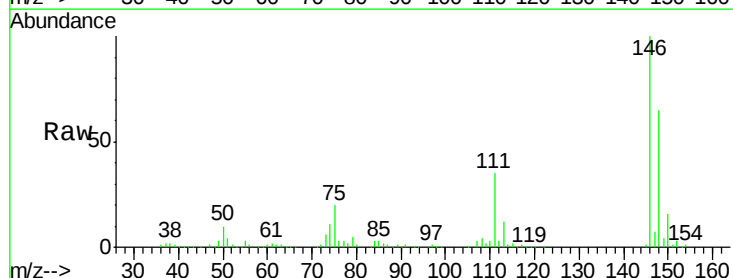


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

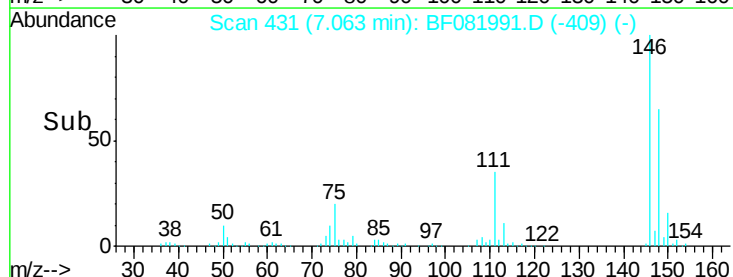
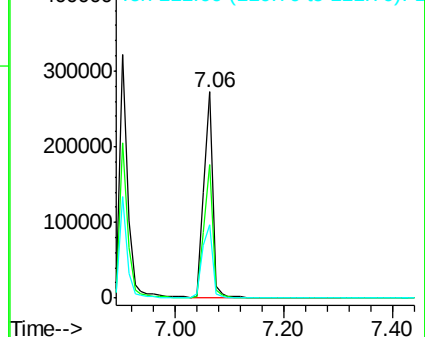


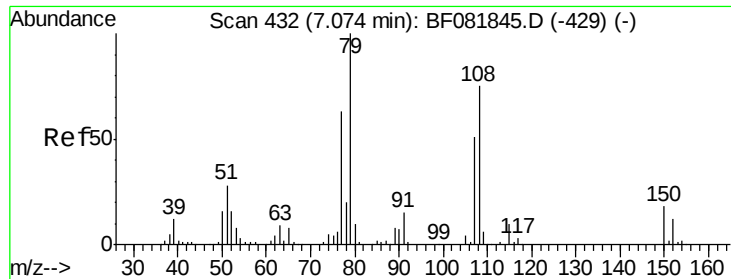
#14
 1,2-Dichlorobenzene
 Concen: 40.70 ng
 RT: 7.06 min Scan# 431
 Delta R.T. -0.05 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Tgt Ion:146 Resp: 309987
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.7 79.1
 111 35.5 28.8 43.2



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: 37.29 ng

RT: 7.03 min Scan# 428

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

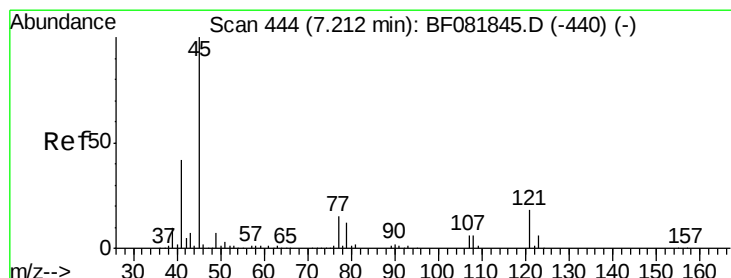
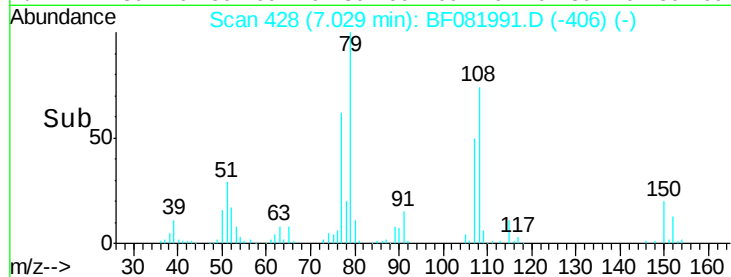
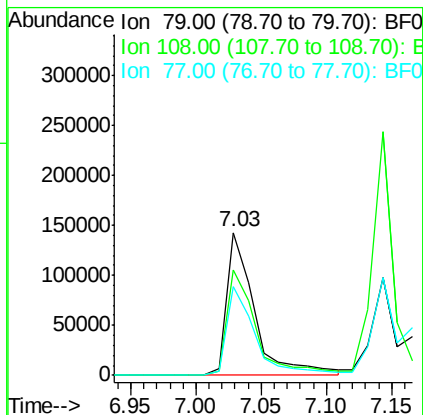
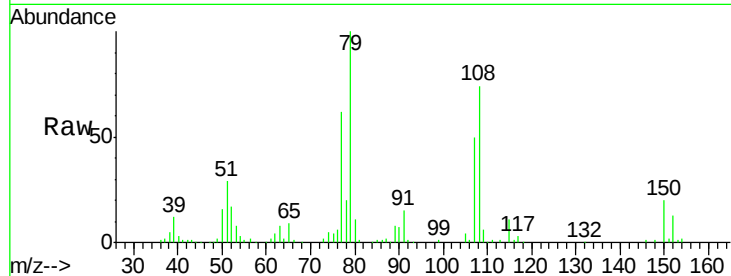
Tot Ion: 79 Resp: 212594

Ion Ratio Lower Upper

79 100

108 74.0 88.6 132.8#

77 62.2 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.90 ng

RT: 7.17 min Scan# 440

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

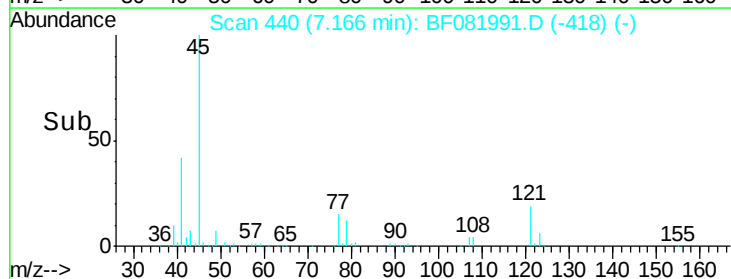
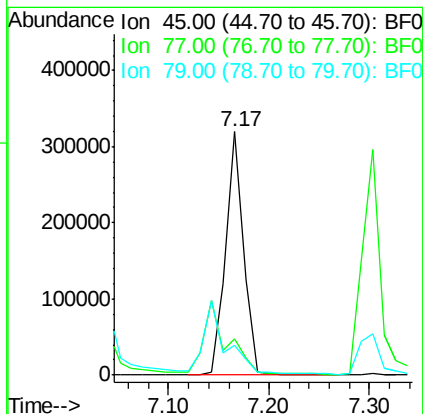
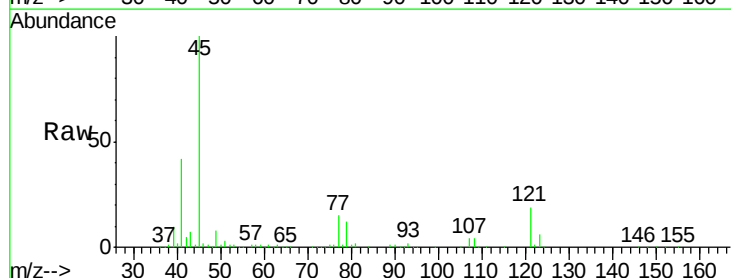
Tgt Ion: 45 Resp: 397189

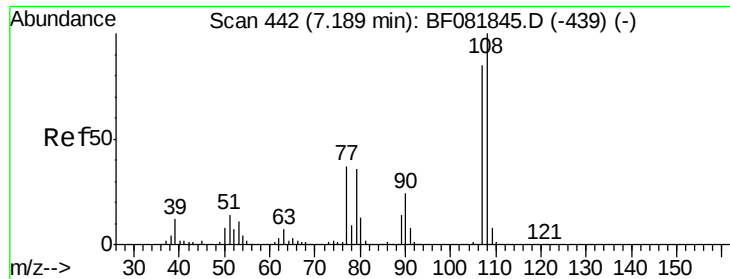
Ion Ratio Lower Upper

45 100

77 15.1 0.0 28.1

79 12.1 0.0 26.0





#17

2-Methylphenol

Concen: 41.72 ng

RT: 7.14 min Scan# 438

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

Tot Ion:107 Resp: 234424

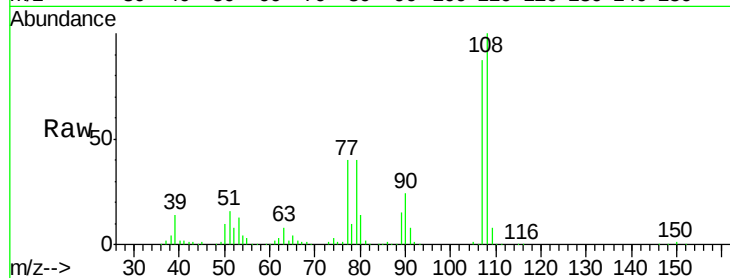
Ion Ratio Lower Upper

107 100

108 115.4 96.6 145.0

77 46.3 23.3 34.9#

79 46.1 22.0 33.0#

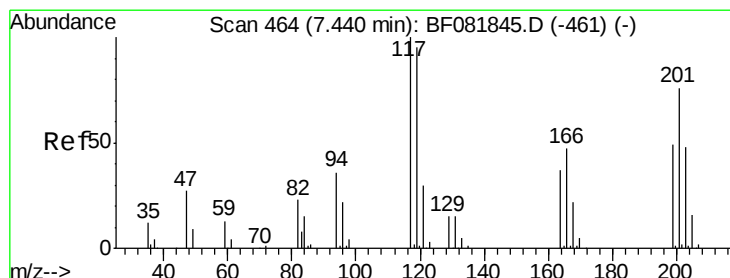
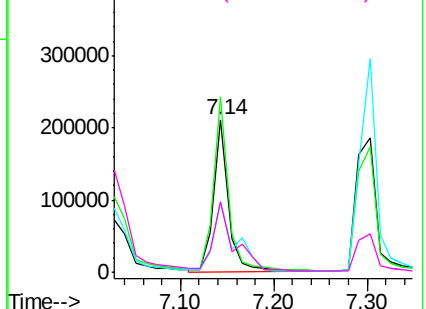
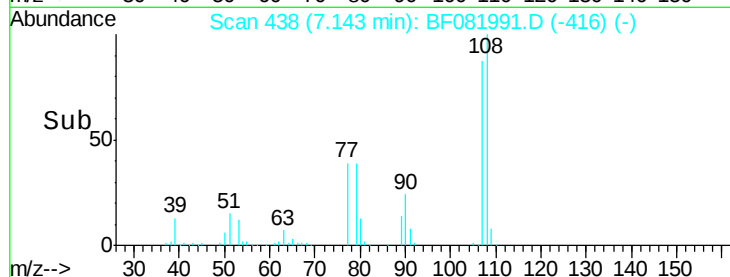


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 41.04 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

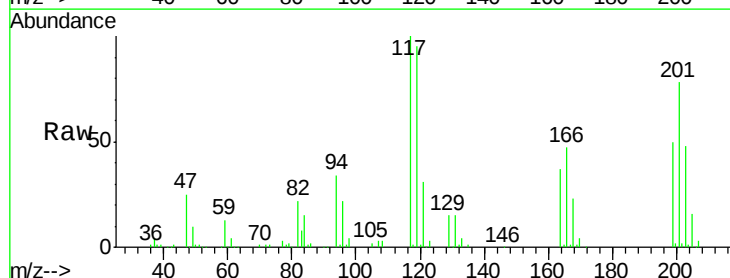
Tgt Ion:117 Resp: 109829

Ion Ratio Lower Upper

117 100

119 94.8 83.8 125.6

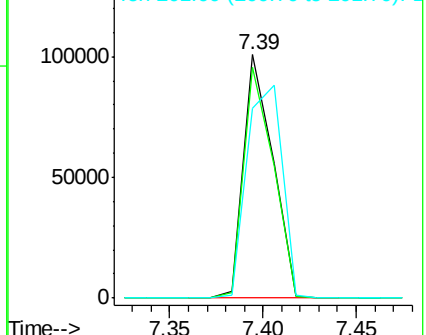
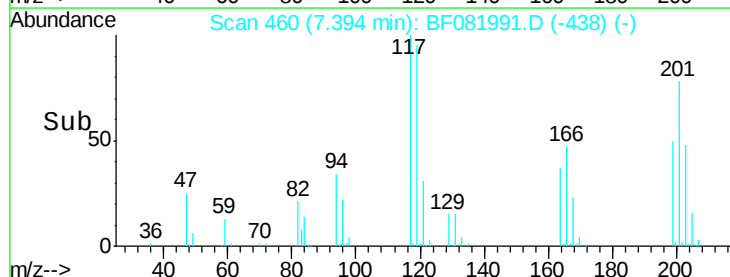
201 78.1 55.1 82.7

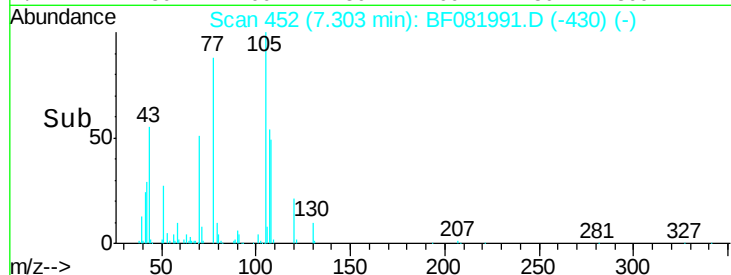
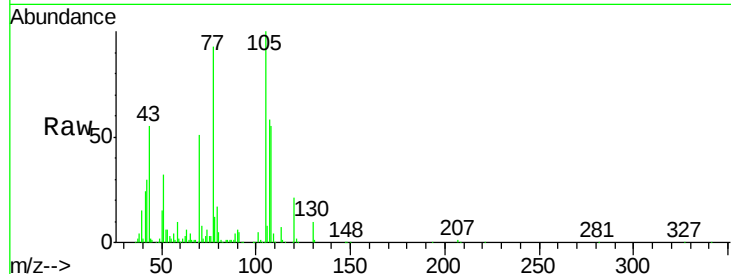


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

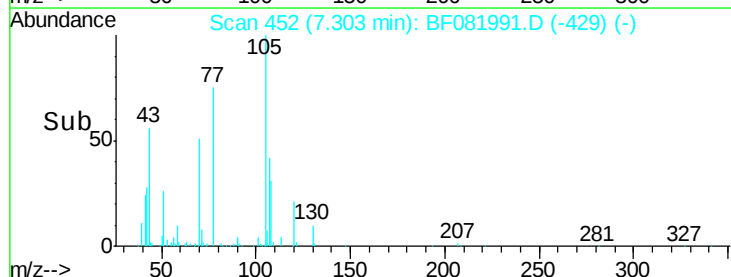
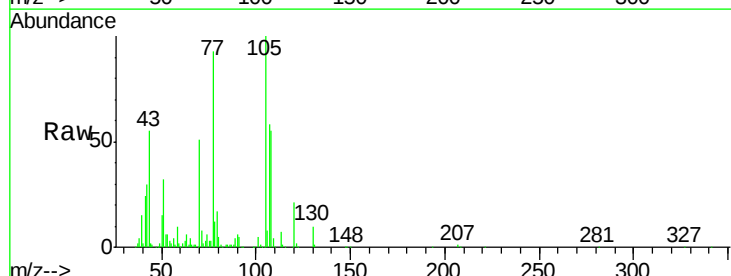
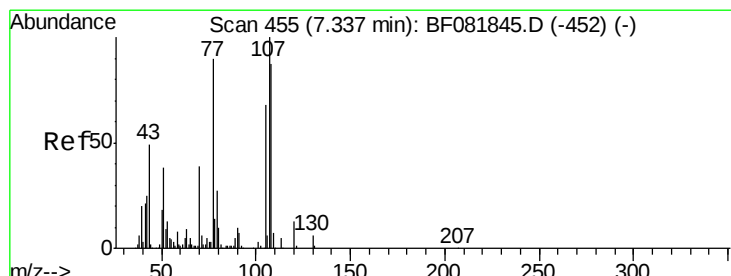
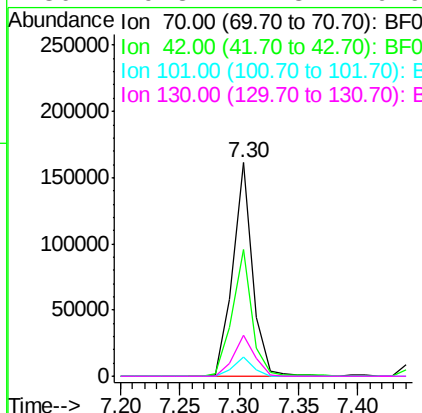




#19
n-Nitroso-di-n-propylamine
Concen: 39.01 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

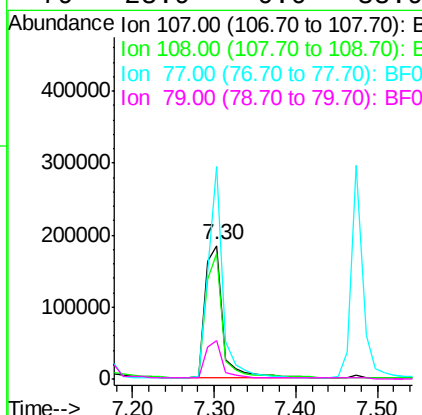
Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

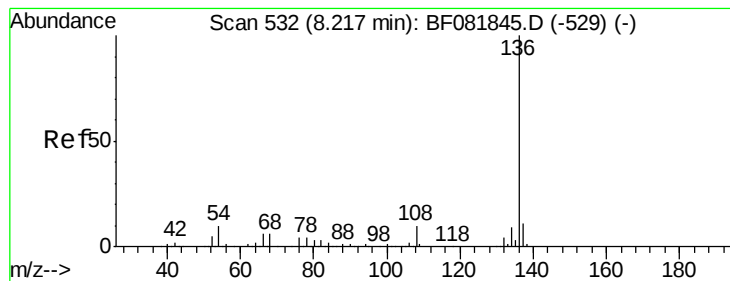
Tot Ion	Ratio	Lower	Upper
70	100		
42	59.1	63.8	95.6#
101	9.1	9.2	13.8#
130	19.3	27.3	40.9#



#20
3+4-Methylphenols
Concen: 40.01 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.5	74.6	114.6
77	159.3	0.7	40.7#
79	28.9	0.0	38.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

Tot Ion:136 Resp: 452266

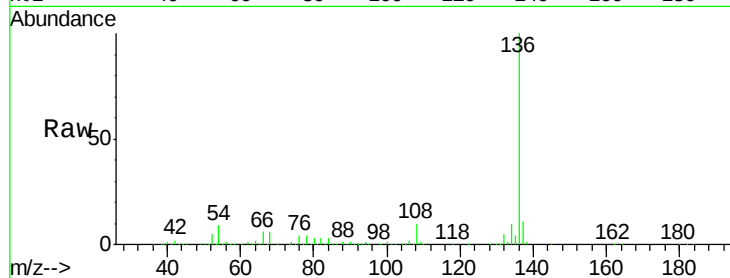
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 9.4 8.2 12.2

68 5.9 5.8 8.6

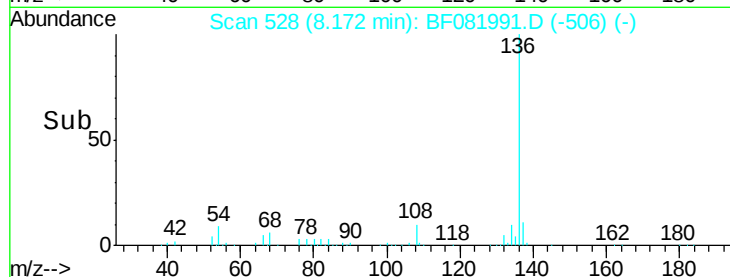


Abundance Ion 136.00 (135.70 to 136.70): E

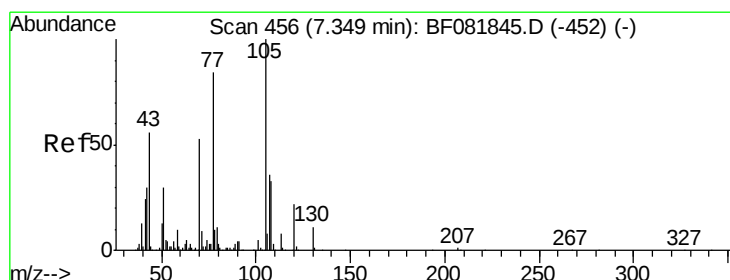
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 42.43 ng

RT: 7.30 min Scan# 452

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Tgt Ion:105 Resp: 392369

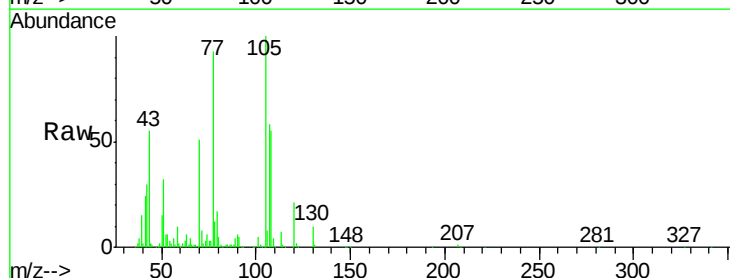
Ion Ratio Lower Upper

105 100

71 8.2 4.7 7.1#

51 32.5 22.0 33.0

120 21.1 30.1 45.1#

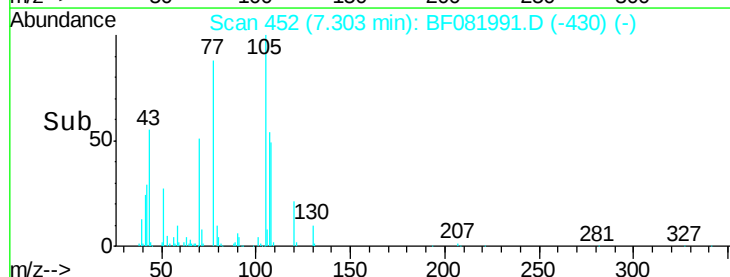


Abundance Ion 105.00 (104.70 to 105.70): E

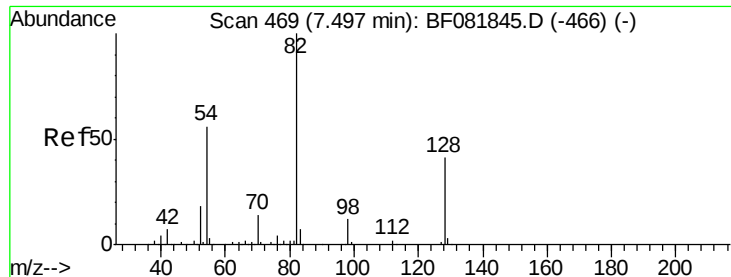
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



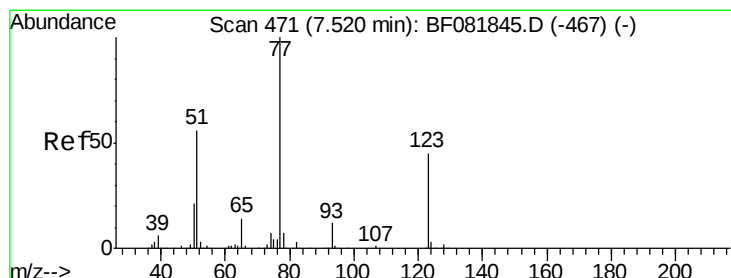
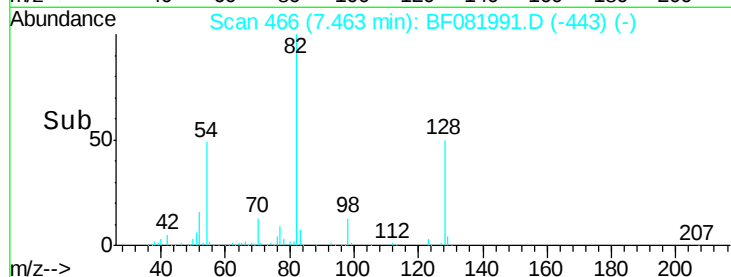
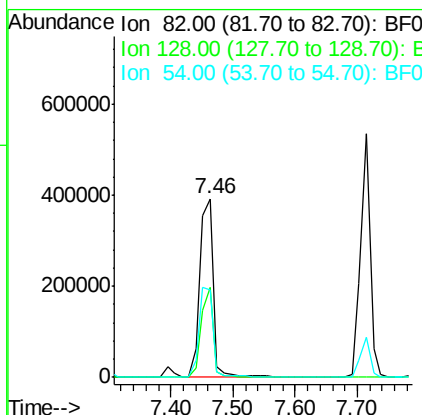
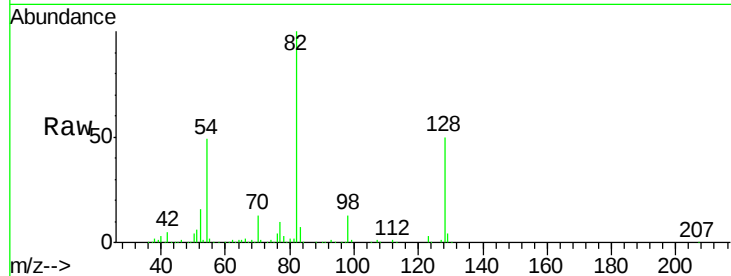
Time-->



#23
 Nitrobenzene-d5
 Concen: 89.17 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

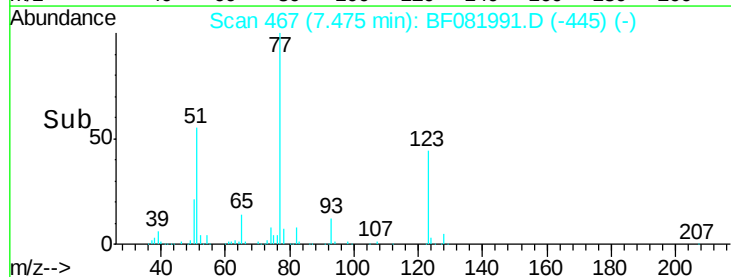
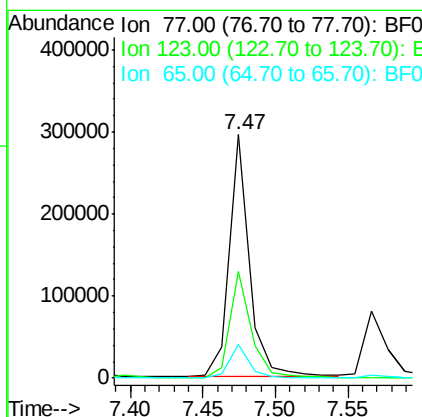
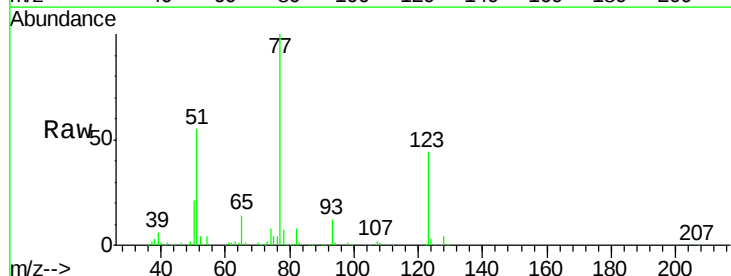
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-24(16-18)MSD

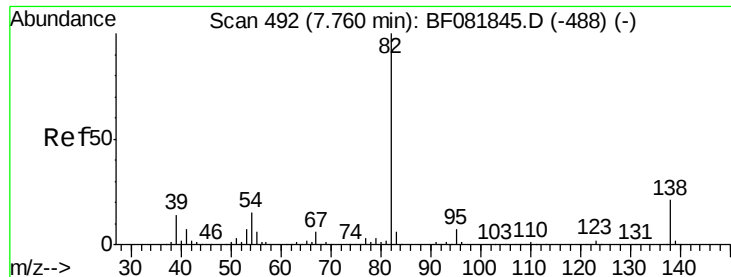
Tot Ion: 82 Resp: 604979
 Ion Ratio Lower Upper
 82 100
 128 50.4 51.0 76.6#
 54 49.2 47.5 71.3



#24
 Nitrobenzene
 Concen: 38.66 ng
 RT: 7.47 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Tgt Ion: 77 Resp: 284823
 Ion Ratio Lower Upper
 77 100
 123 44.0 59.8 89.8#
 65 14.0 10.2 15.4





#25

Isophorone

Concen: 41.60 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

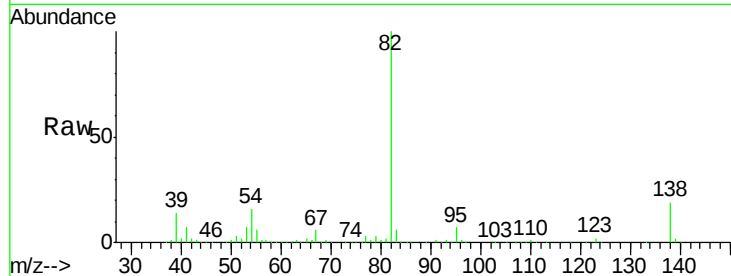
Tot Ion: 82 Resp: 559460

Ion Ratio Lower Upper

82 100

95 7.1 4.0 6.0#

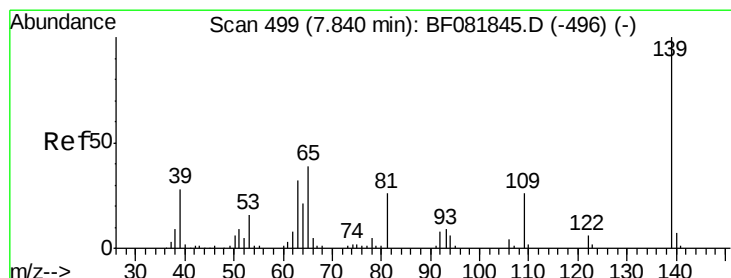
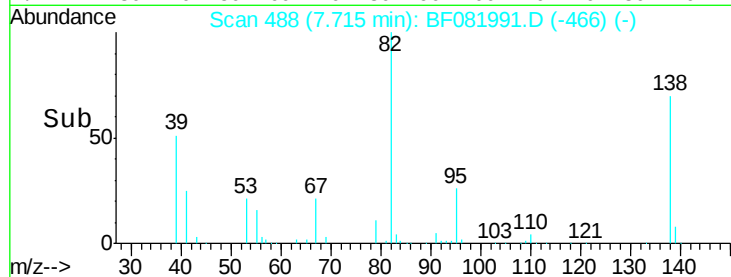
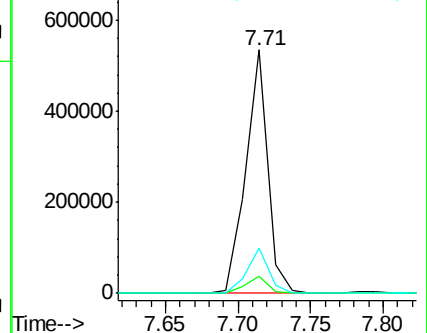
138 18.6 18.3 27.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 47.11 ng

RT: 7.79 min Scan# 495

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

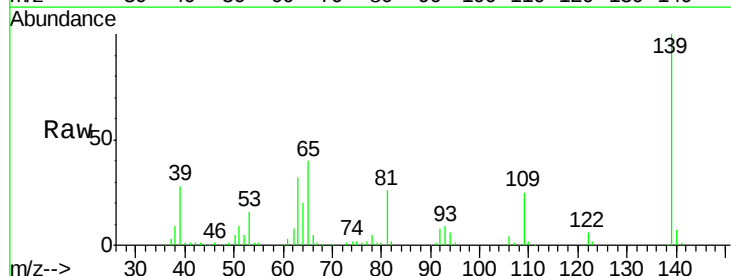
Tgt Ion: 139 Resp: 166592

Ion Ratio Lower Upper

139 100

109 25.0 11.0 16.4#

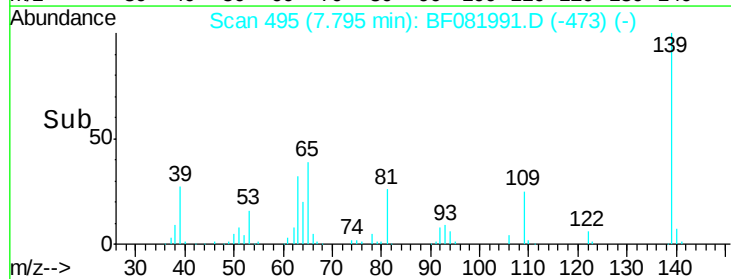
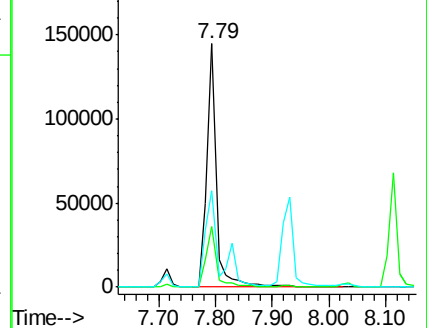
65 39.5 24.7 37.1#

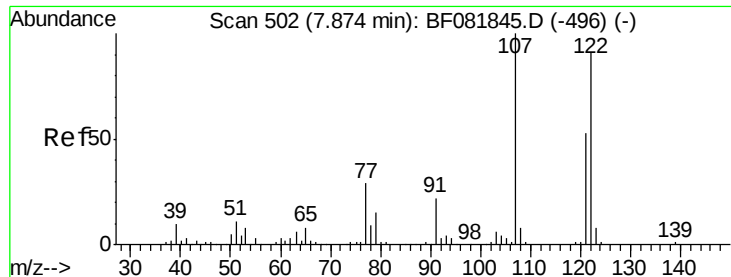


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 43.94 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

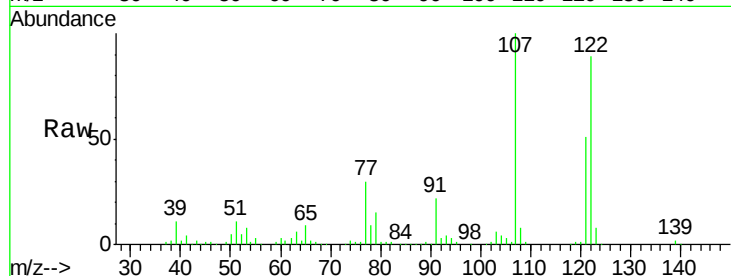
Tot Ion:122 Resp: 273380

Ion Ratio Lower Upper

122 100

107 112.5 71.8 107.6#

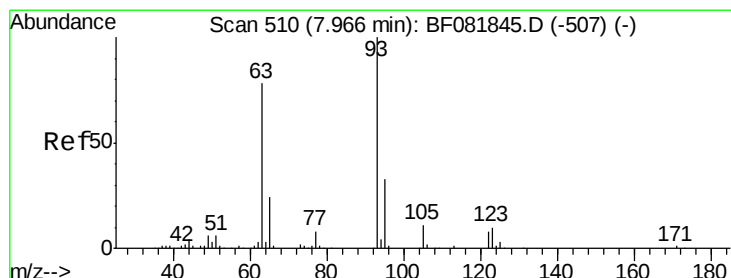
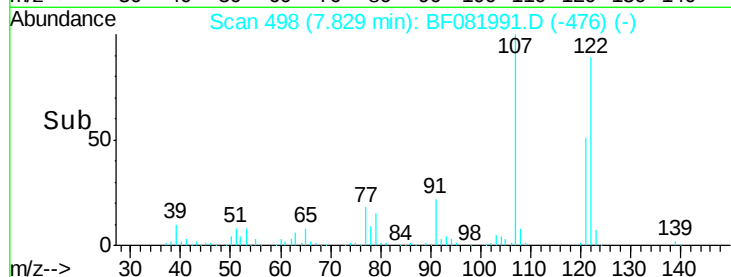
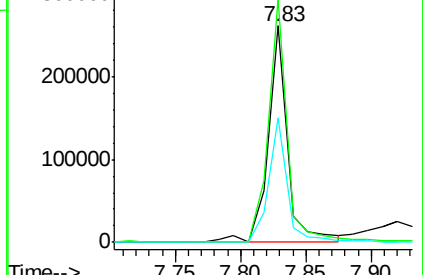
121 57.3 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.57 ng

RT: 7.93 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

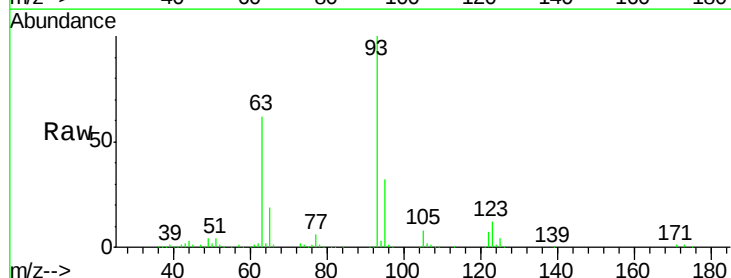
Tgt Ion: 93 Resp: 347928

Ion Ratio Lower Upper

93 100

95 32.4 27.5 41.3

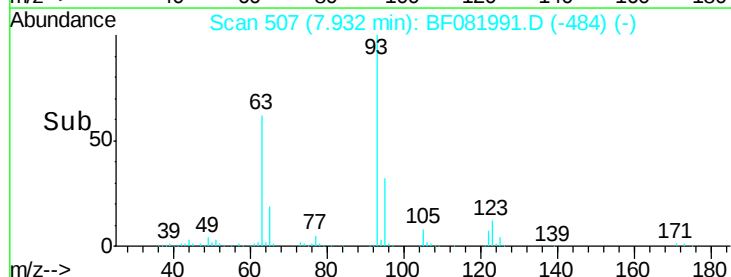
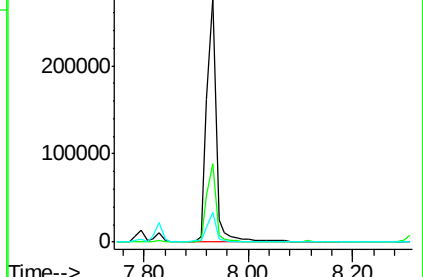
123 12.2 13.7 20.5#

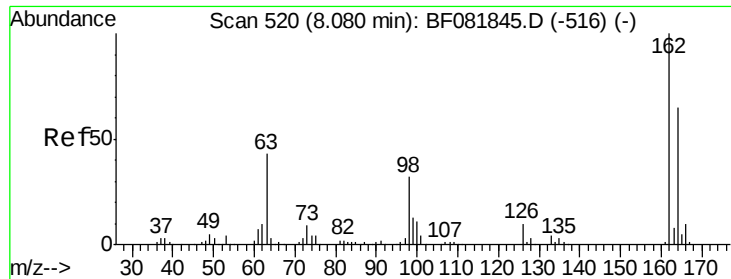


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

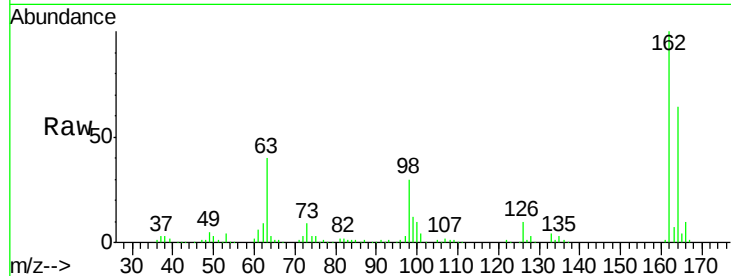




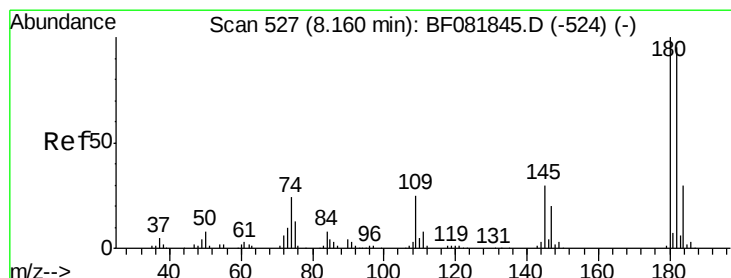
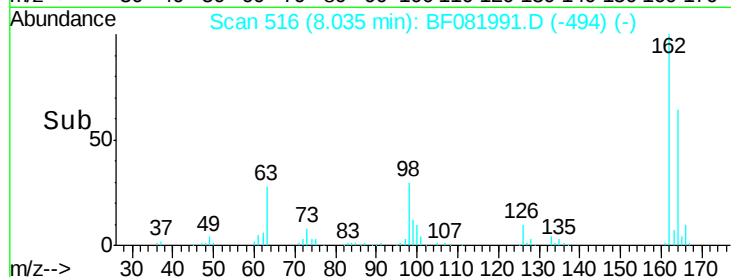
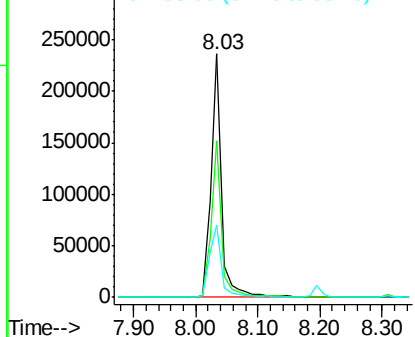
#29
 2,4-Dichlorophenol
 Concen: 46.02 ng
 RT: 8.03 min Scan# 516
 Delta R.T. -0.05 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-24(16-18)MSD

Tot Ion:162 Resp: 277608
 Ion Ratio Lower Upper
 162 100
 164 64.1 44.9 84.9
 98 29.7 13.0 53.0

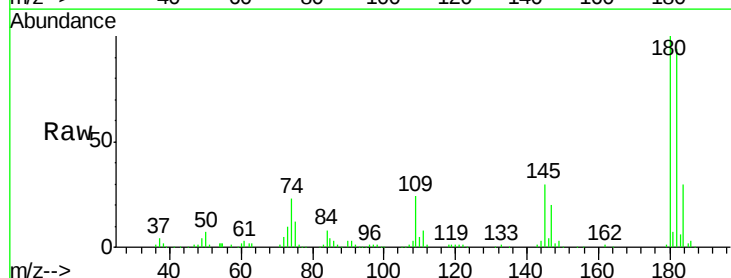


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

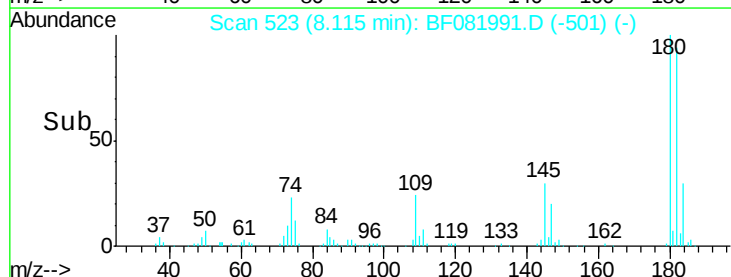
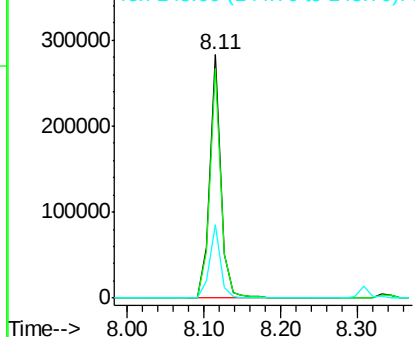


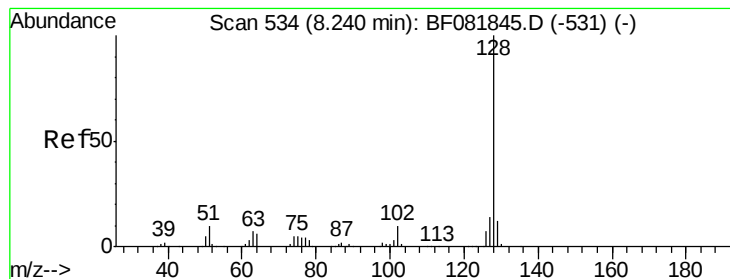
#30
 1,2,4-Trichlorobenzene
 Concen: 41.82 ng
 RT: 8.11 min Scan# 523
 Delta R.T. -0.05 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Tgt Ion:180 Resp: 281620
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.1 115.7
 145 30.0 23.3 34.9



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: 40.69 ng

RT: 8.19 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

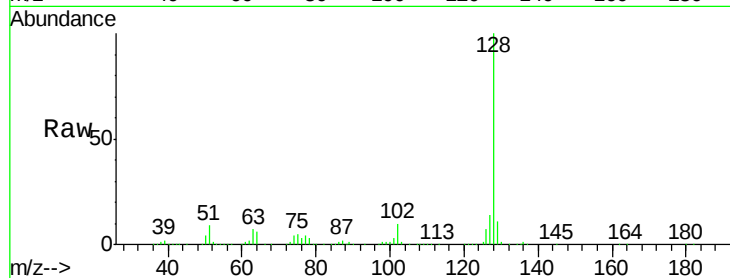
Tot Ion:128 Resp: 815400

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

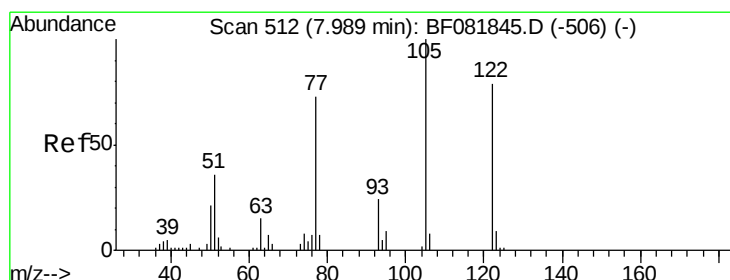
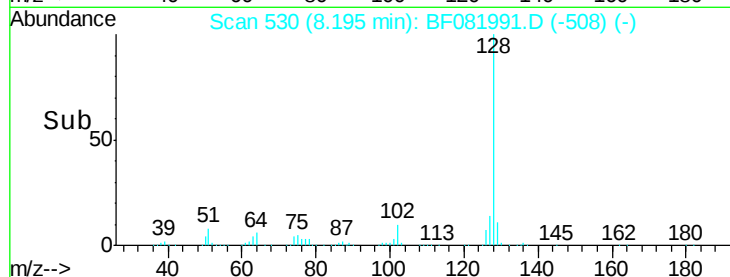
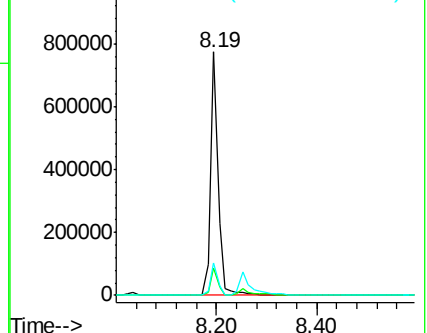
127 13.6 9.9 14.9



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: 24.61 ng

RT: 7.92 min Scan# 506

Delta R.T. -0.07 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

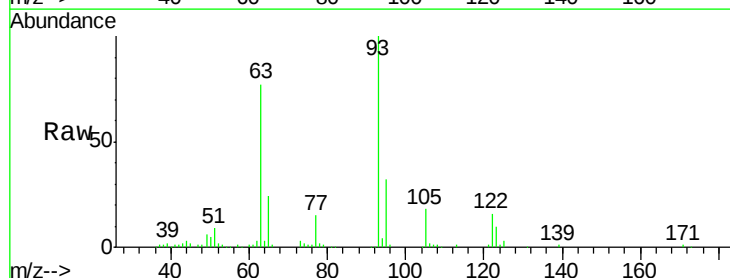
Tgt Ion:122 Resp: 75868

Ion Ratio Lower Upper

122 100

105 116.1 76.1 116.1

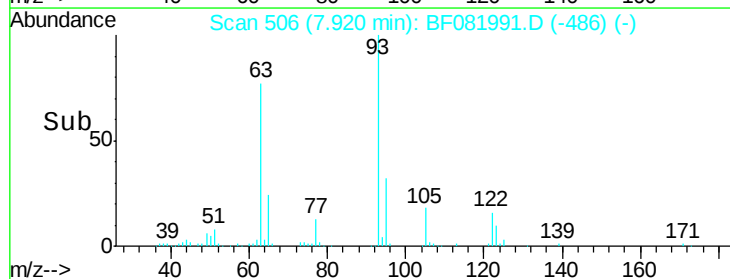
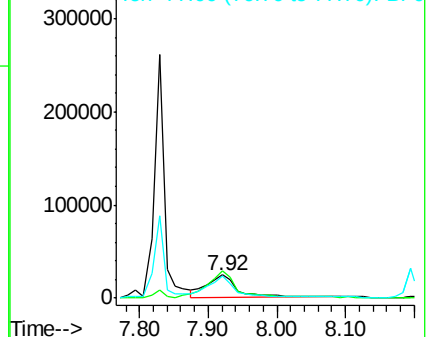
77 93.6 40.5 80.5#

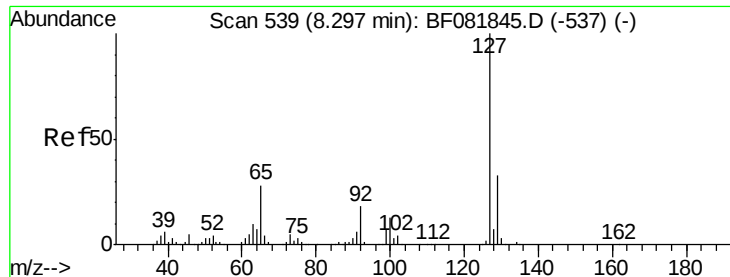


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

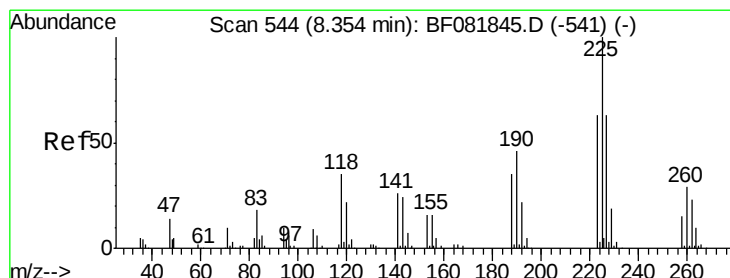
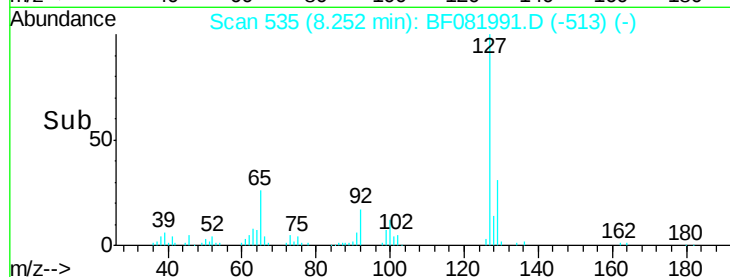
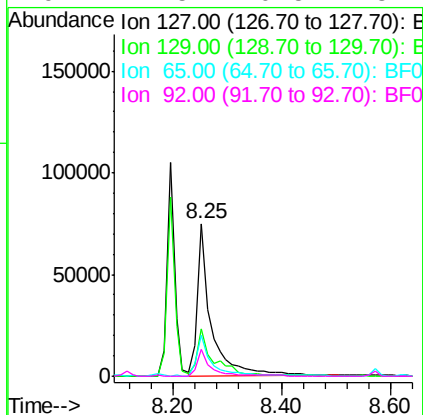
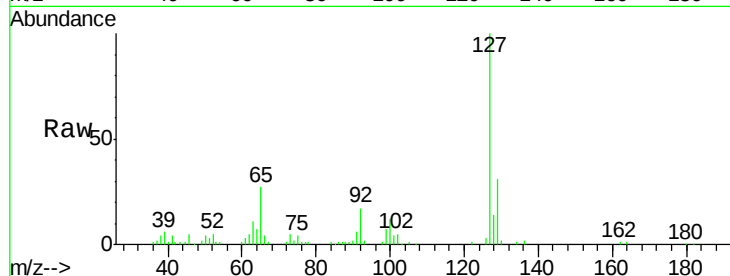




#33
4-Chloroaniline
Concen: 15.07 ng
RT: 8.25 min Scan# 535
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

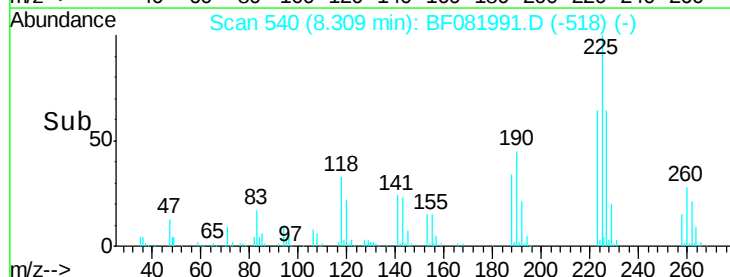
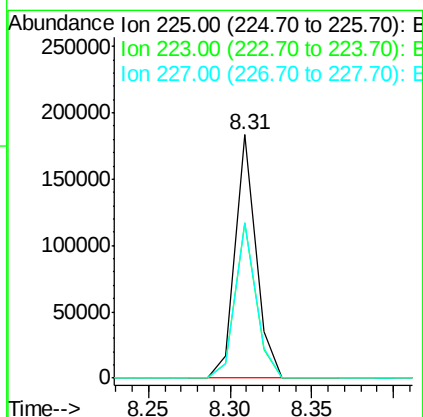
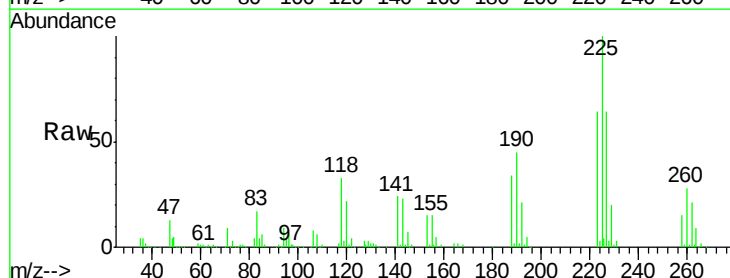
Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

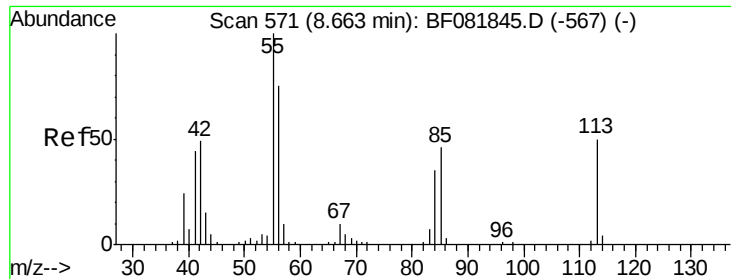
Tot Ion:	127	Resp:	130626
Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.8	38.6
65	27.1	17.9	26.9#
92	17.5	10.5	15.7#



#34
Hexachlorobutadiene
Concen: 40.84 ng
RT: 8.31 min Scan# 540
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion:	225	Resp:	162657
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.2	75.2
227	63.9	52.2	78.2

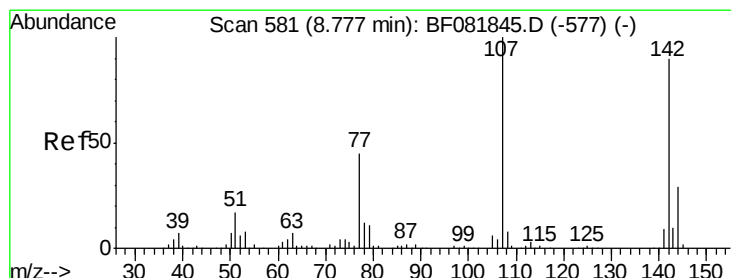
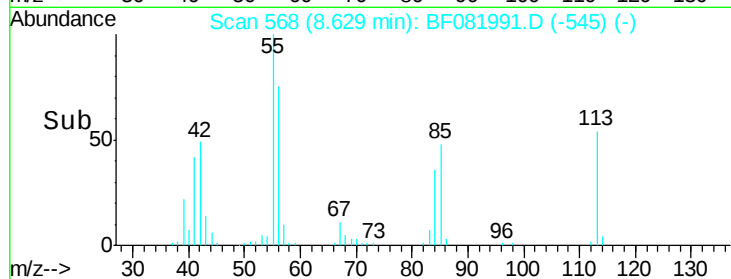
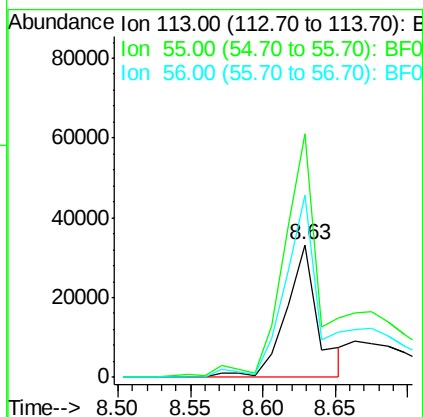
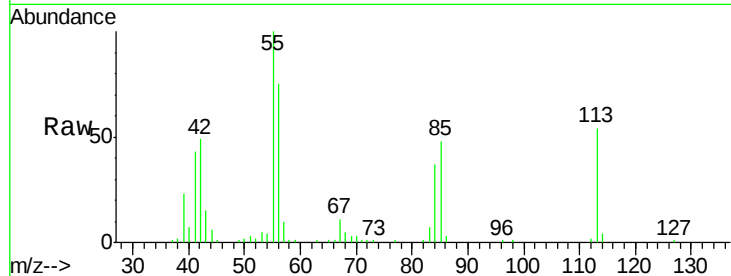




#35
Caprolactam
Concen: 30.36 ng
RT: 8.63 min Scan# 568
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

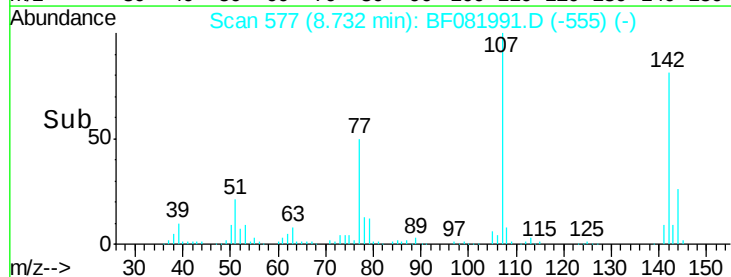
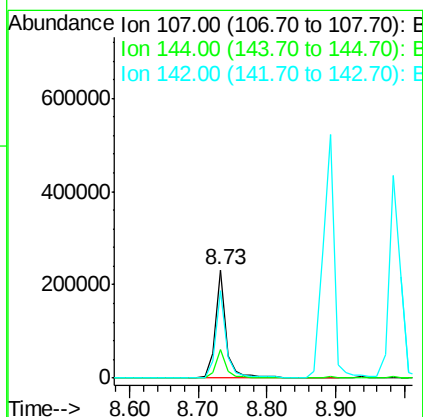
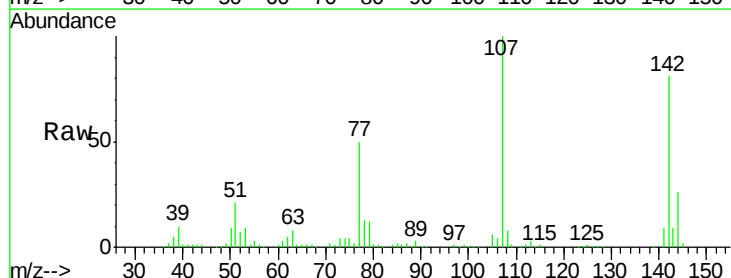
Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

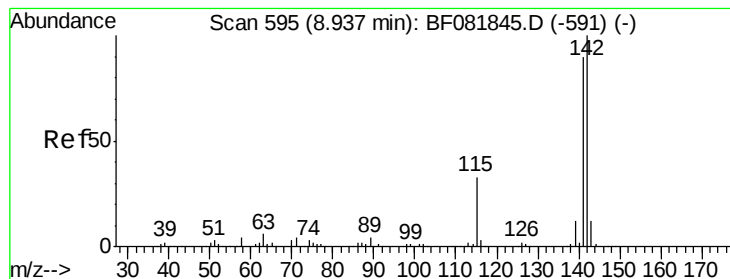
Tot Ion:113 Resp: 50697
Ion Ratio Lower Upper
113 100
55 184.0 152.4 192.4
56 137.8 104.6 144.6



#36
4-Chloro-3-methylphenol
Concen: 44.80 ng
RT: 8.73 min Scan# 577
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion:107 Resp: 264277
Ion Ratio Lower Upper
107 100
144 26.1 25.4 38.0
142 80.8 77.3 115.9

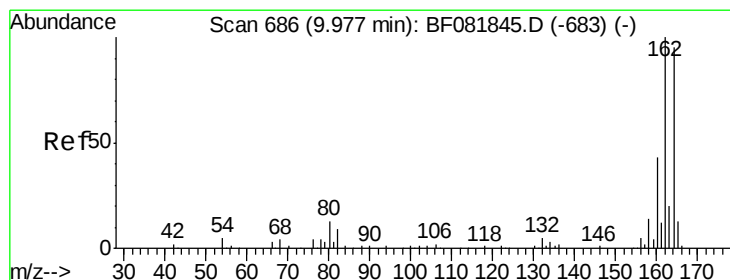
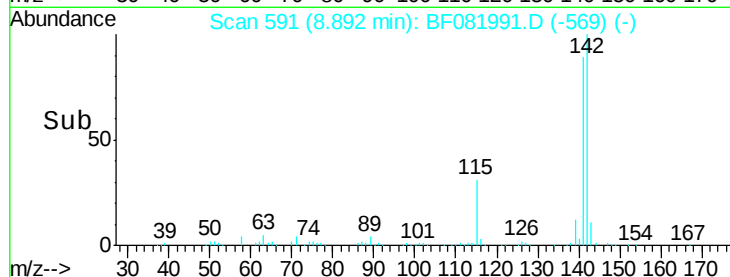
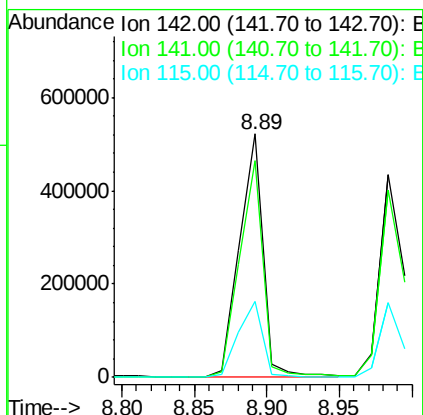
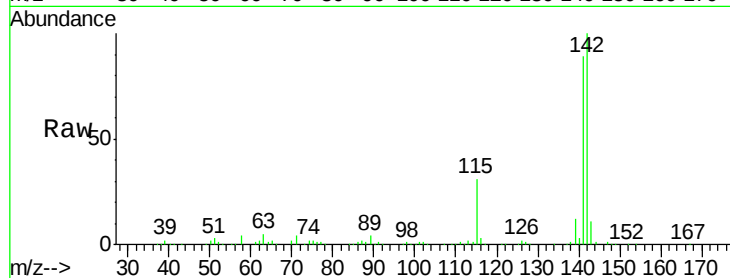




#37
2-Methylnaphthalene
Concen: 43.05 ng
RT: 8.89 min Scan# 591
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

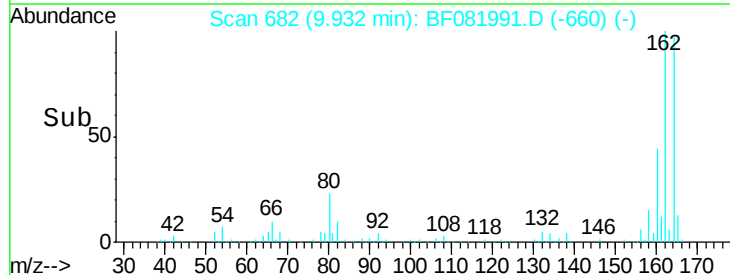
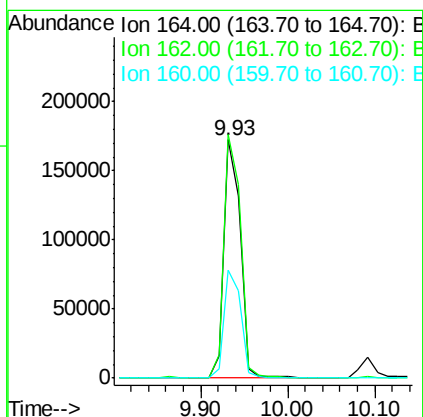
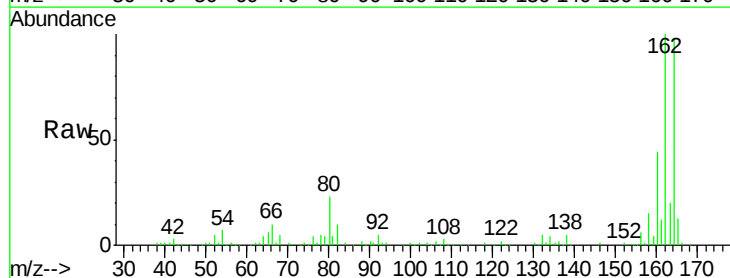
Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

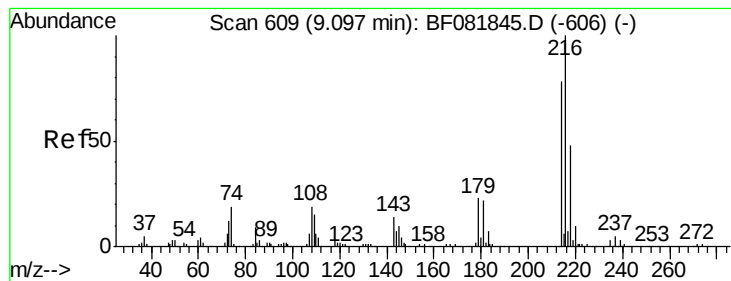
Tot Ion:142 Resp: 588864
Ion Ratio Lower Upper
142 100
141 88.8 67.5 101.3
115 31.2 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion:164 Resp: 229159
Ion Ratio Lower Upper
164 100
162 102.1 75.2 112.8
160 45.3 31.5 47.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.65 ng

RT: 9.05 min Scan# 605

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

Tot Ion:216 Resp: 278933

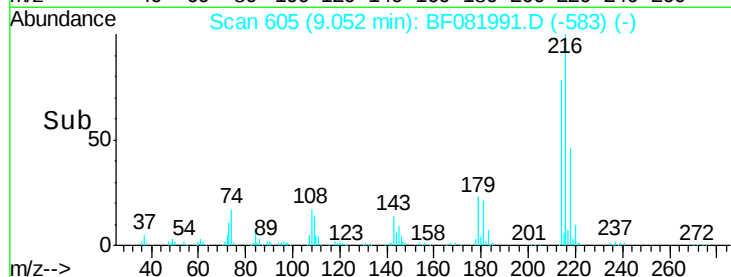
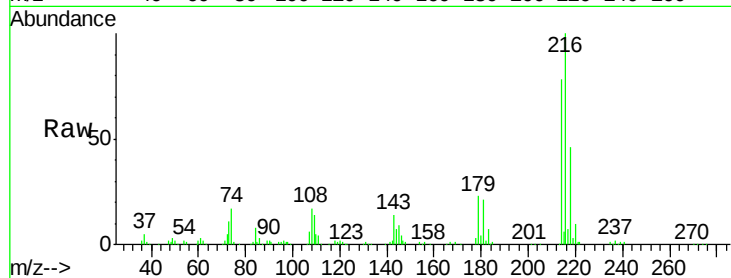
Ion Ratio Lower Upper

216 100

214 77.7 63.5 95.3

179 21.4 16.6 24.8

108 17.8 16.3 24.5



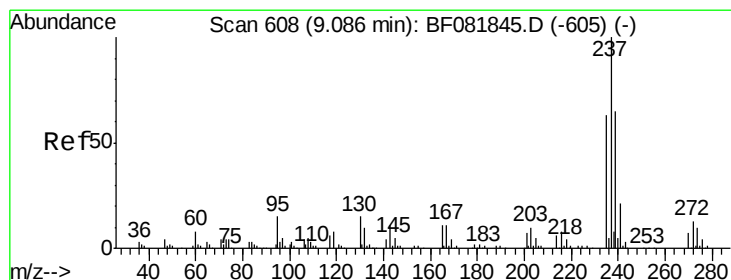
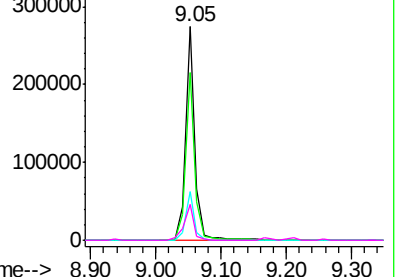
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

Time-->



#40

Hexachlorocyclopentadiene

Concen: 47.21 ng

RT: 9.04 min Scan# 604

Delta R.T. -0.04 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

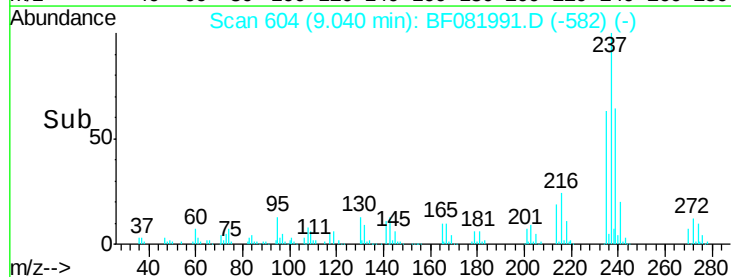
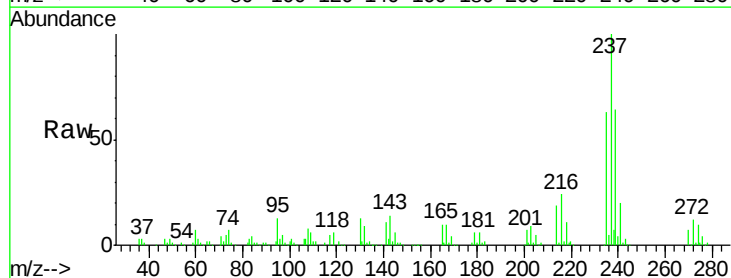
Tgt Ion:237 Resp: 171027

Ion Ratio Lower Upper

237 100

235 62.7 42.0 82.0

272 12.4 0.0 36.1

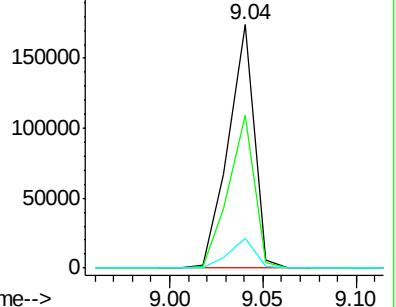


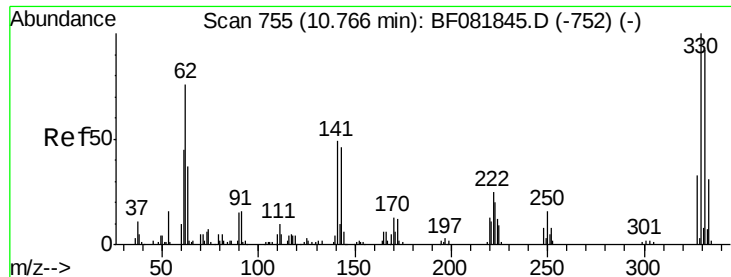
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

Time-->

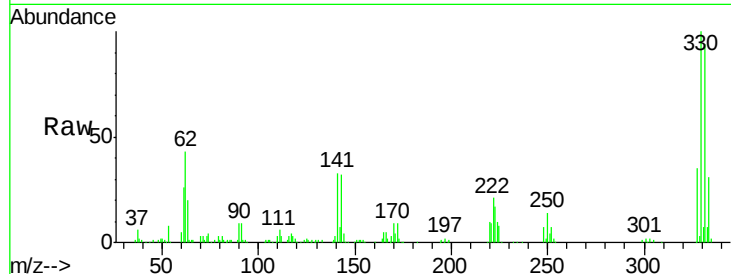




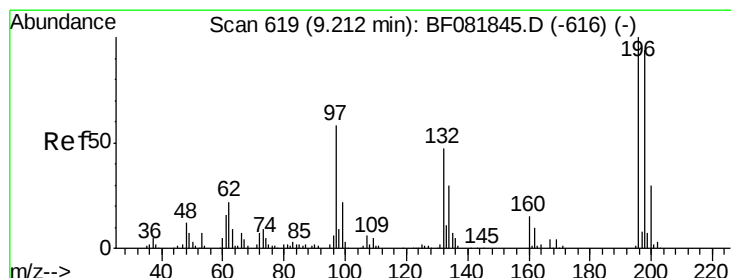
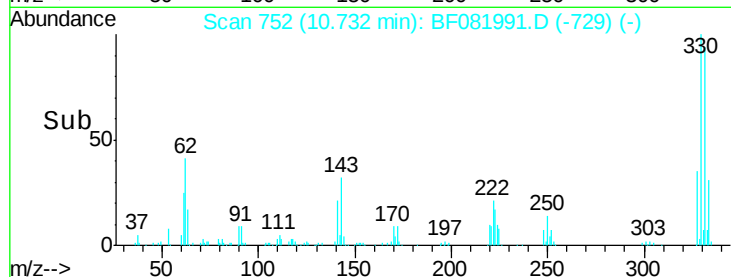
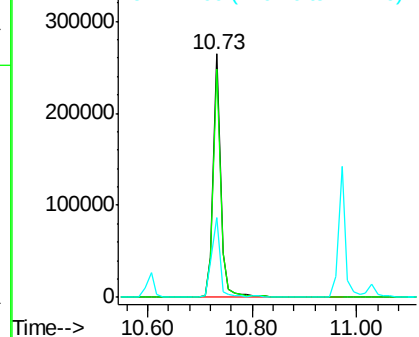
#41
2,4,6-Tribromophenol
Concen: 115.70 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

Tot Ion:330 Resp: 268515
Ion Ratio Lower Upper
330 100
332 94.8 76.6 114.8
141 35.9 29.7 44.5

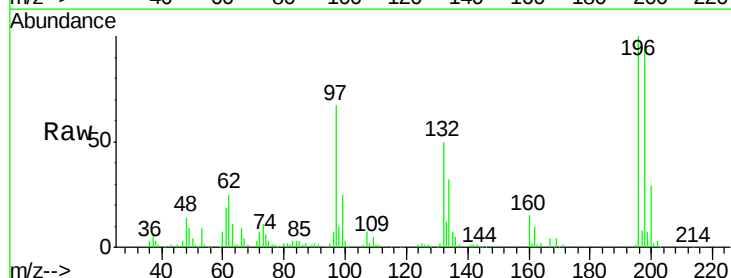


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

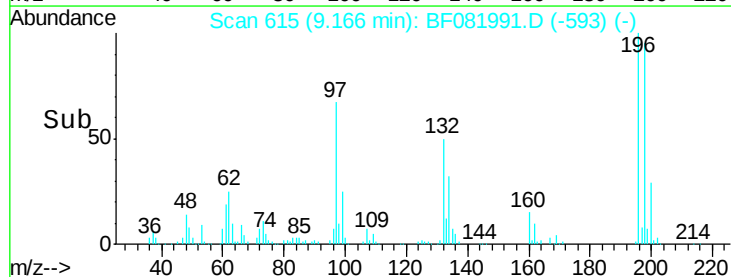
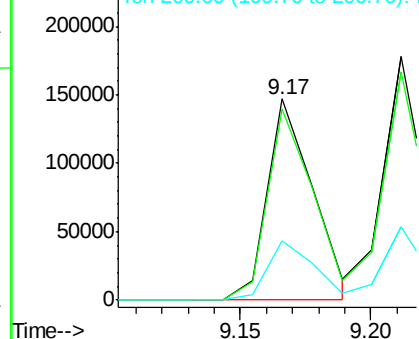


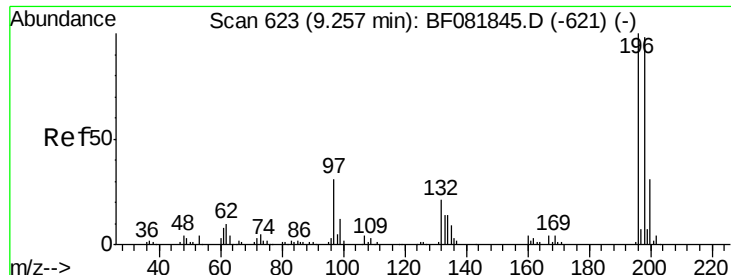
#42
2,4,6-Trichlorophenol
Concen: 37.10 ng
RT: 9.17 min Scan# 615
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion:196 Resp: 178920
Ion Ratio Lower Upper
196 100
198 94.8 75.7 113.5
200 29.3 23.9 35.9



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

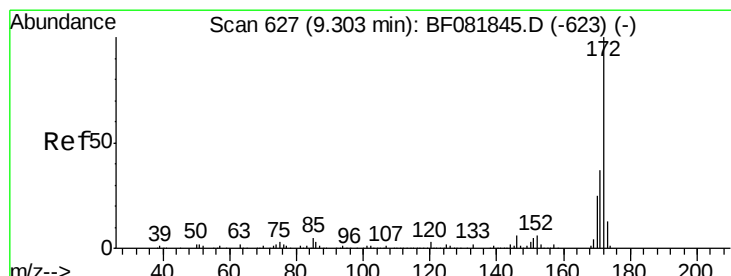
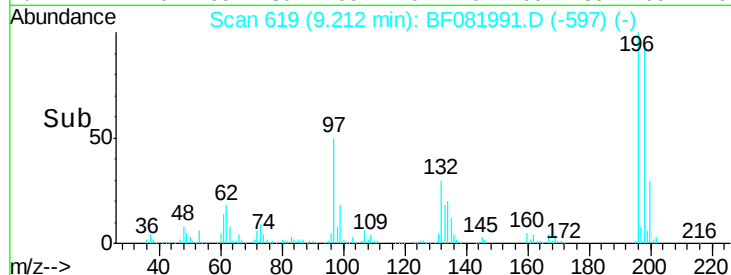
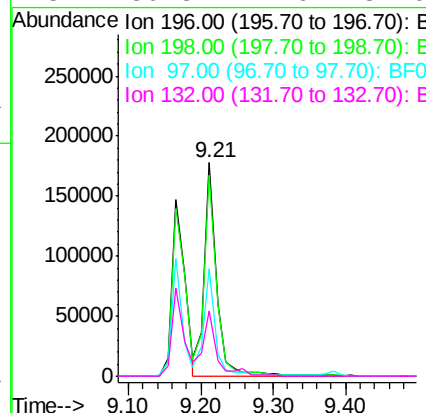
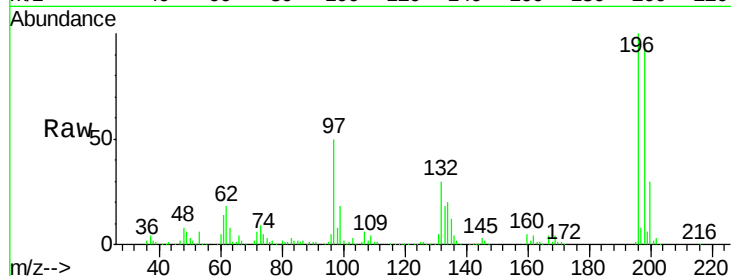




#43
 2,4,5-Trichlorophenol
 Concen: 42.75 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

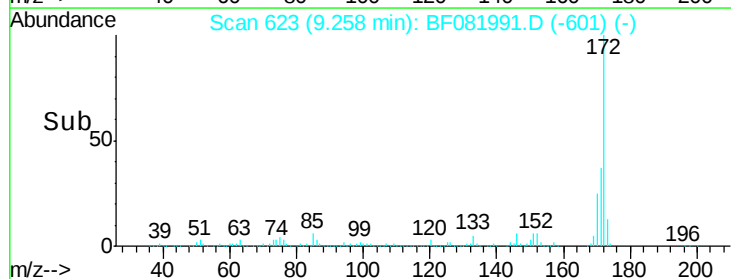
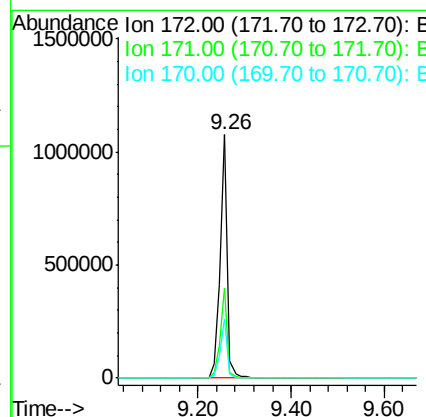
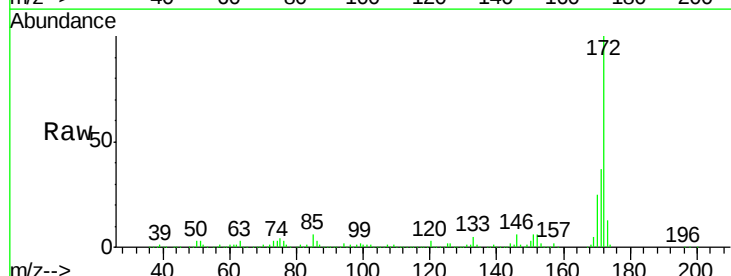
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-24(16-18)MSD

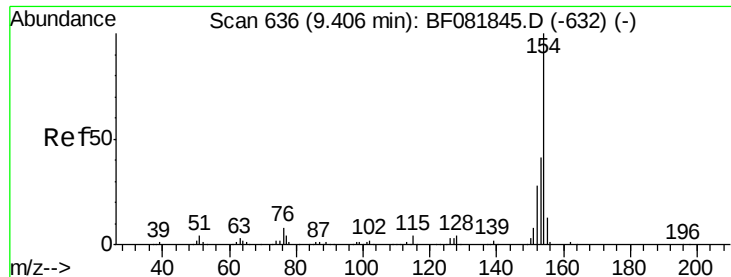
Tot Ion:196 Resp: 212058
 Ion Ratio Lower Upper
 196 100
 198 93.9 75.4 113.0
 97 50.1 33.3 49.9#
 132 30.3 24.6 37.0



#44
 2-Fluorobiphenyl
 Concen: 84.24 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Tgt Ion:172 Resp: 1155669
 Ion Ratio Lower Upper
 172 100
 171 36.8 26.1 39.1
 170 24.6 17.4 26.2





#45

1,1'-Biphenyl

Concen: 41.75 ng

RT: 9.36 min Scan# 632

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

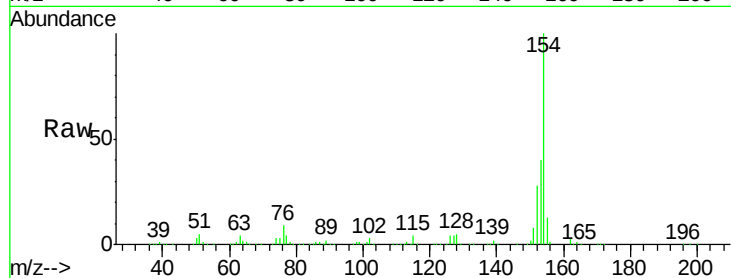
Tot Ion:154 Resp: 738175

Ion Ratio Lower Upper

154 100

153 40.0 17.1 57.1

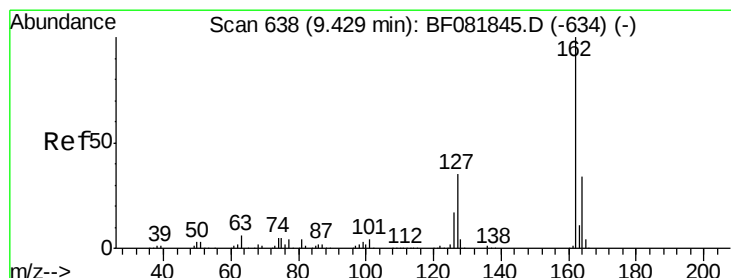
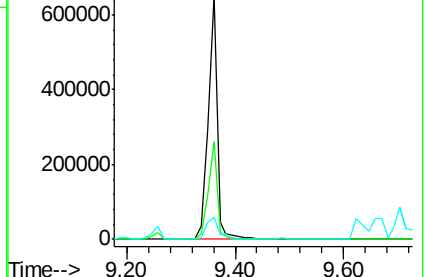
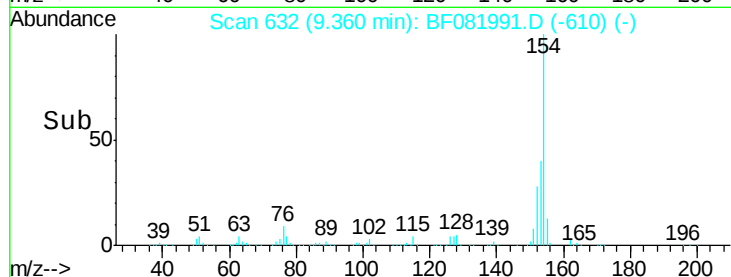
76 9.0 0.0 31.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 41.40 ng

RT: 9.38 min Scan# 634

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

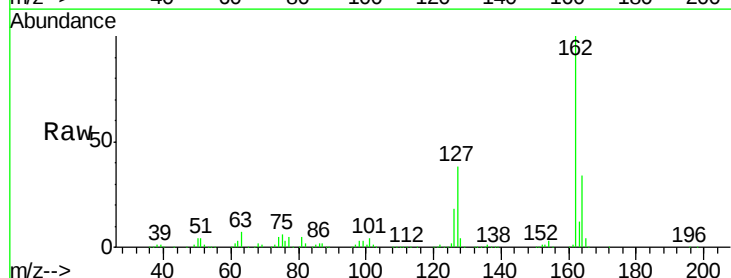
Tgt Ion:162 Resp: 574677

Ion Ratio Lower Upper

162 100

127 38.0 27.6 41.4

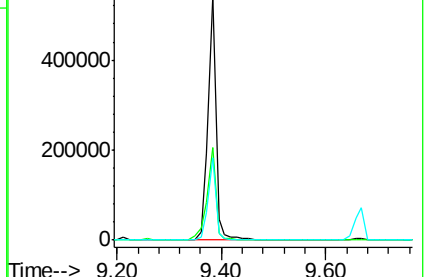
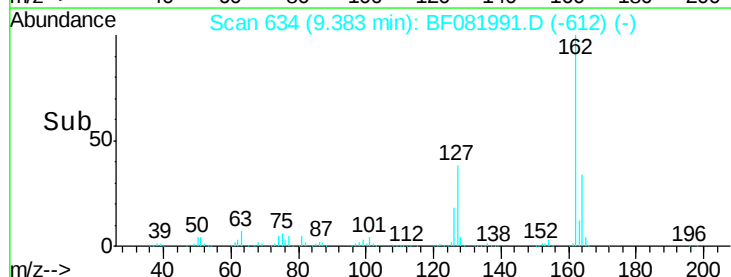
164 33.9 25.4 38.2

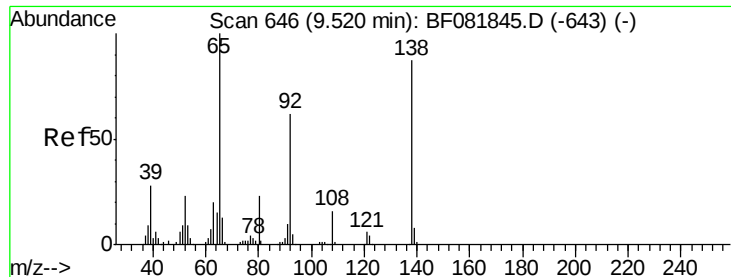


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

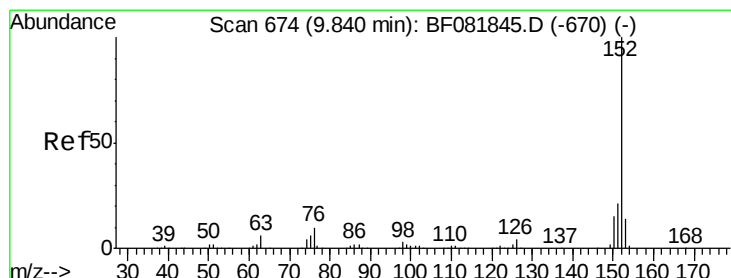
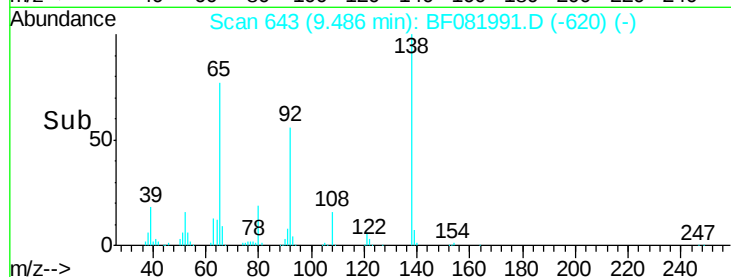
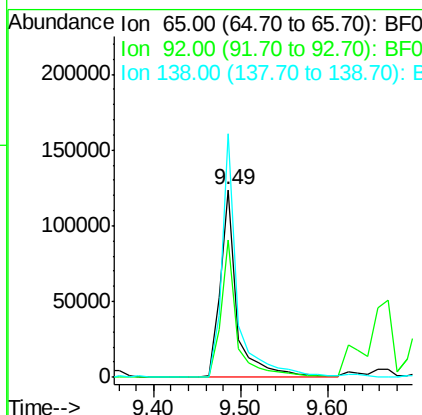
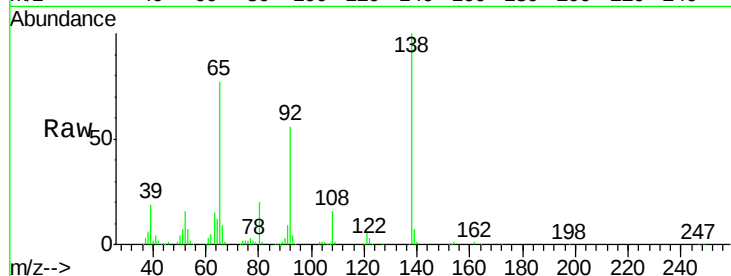




#47
2-Nitroaniline
Concen: 41.24 ng
RT: 9.49 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

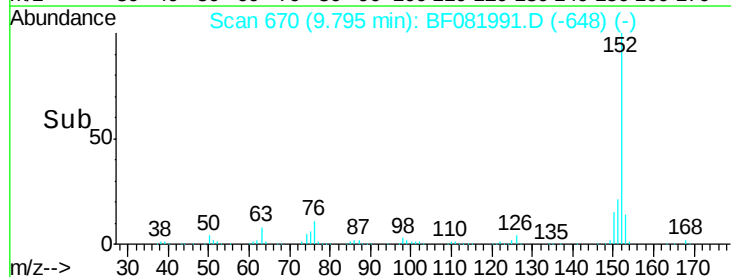
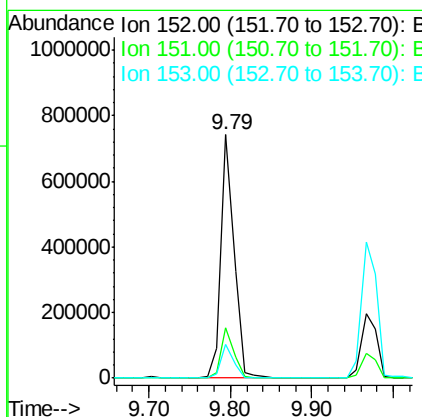
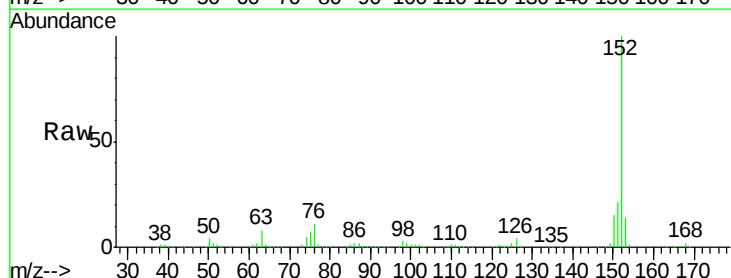
Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

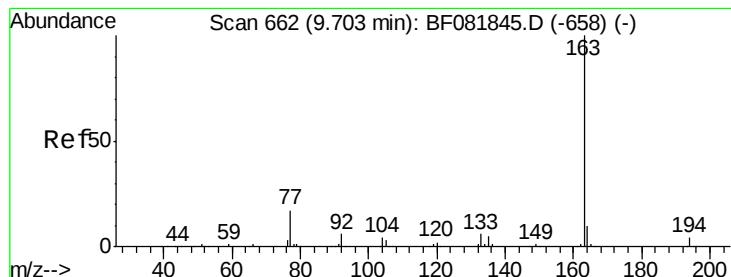
Tot Ion: 65 Resp: 168056
Ion Ratio Lower Upper
65 100
92 73.3 55.4 83.0
138 129.9 115.5 173.3



#48
Acenaphthylene
Concen: 37.34 ng
RT: 9.79 min Scan# 670
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion: 152 Resp: 829652
Ion Ratio Lower Upper
152 100
151 20.8 14.6 22.0
153 13.8 10.3 15.5





#49

Dimethylphthalate

Concen: 58.23 ng

RT: 9.67 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

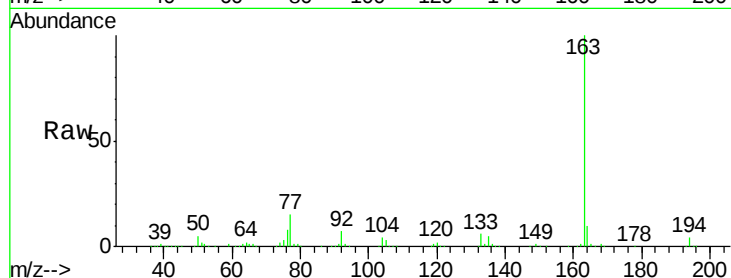
Tot Ion:163 Resp: 921062

Ion Ratio Lower Upper

163 100

194 3.9 4.4 6.6#

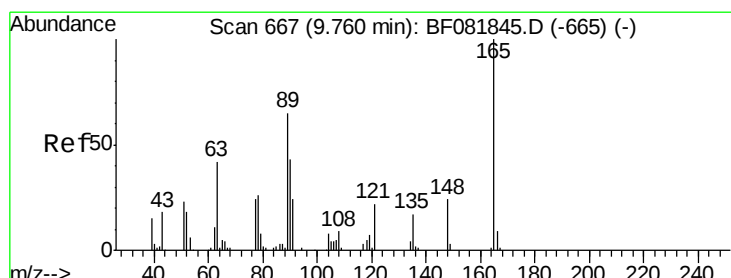
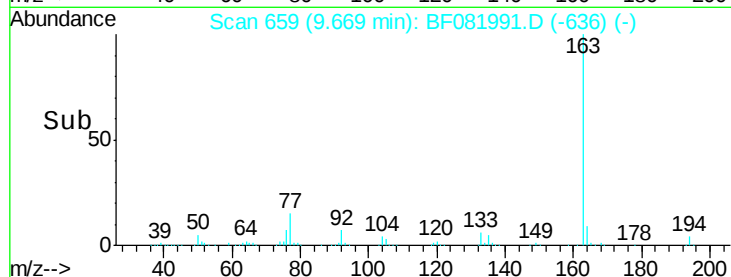
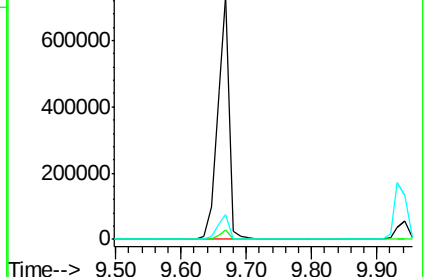
164 9.9 8.3 12.5



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: 42.31 ng

RT: 9.73 min Scan# 664

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

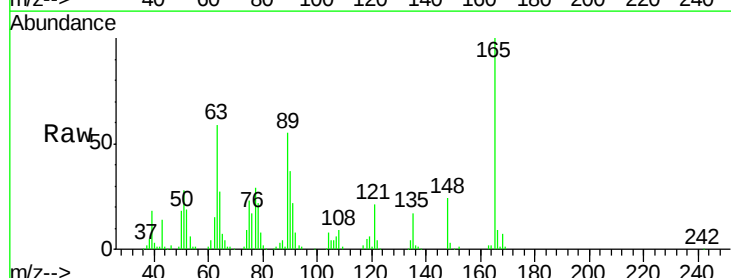
Tgt Ion:165 Resp: 145294

Ion Ratio Lower Upper

165 100

63 58.7 32.3 48.5#

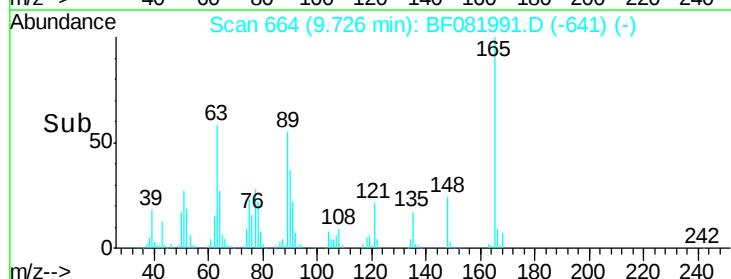
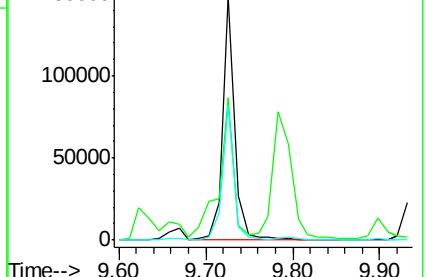
89 55.2 28.6 43.0#

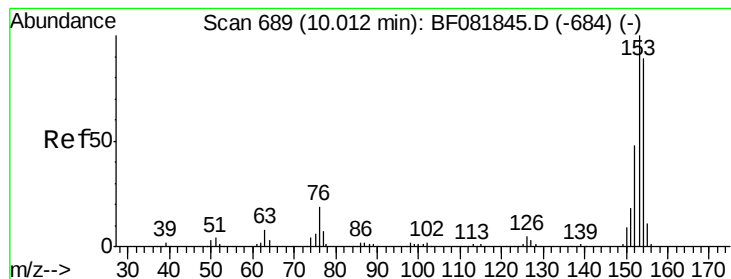


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.53 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

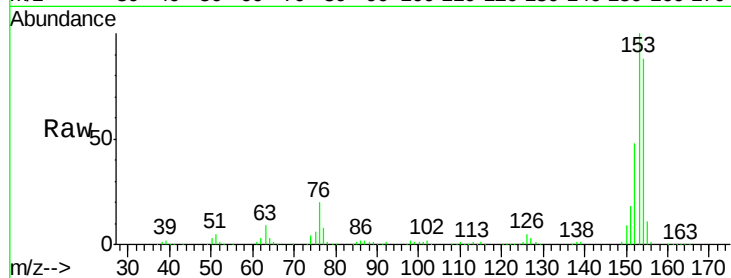
Tot Ion:154 Resp: 561152

Ion Ratio Lower Upper

154 100

153 113.6 82.1 123.1

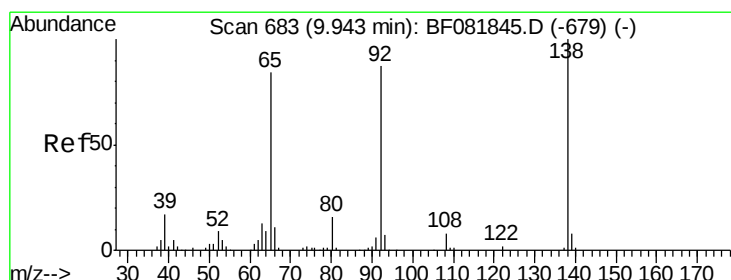
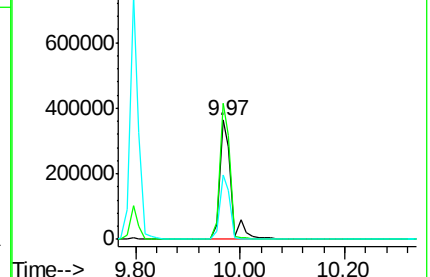
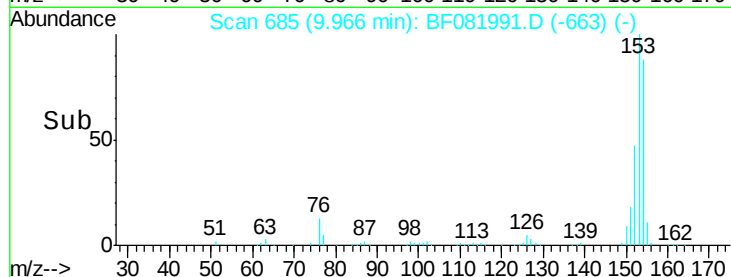
152 54.1 37.9 56.9



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: 24.30 ng

RT: 9.90 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

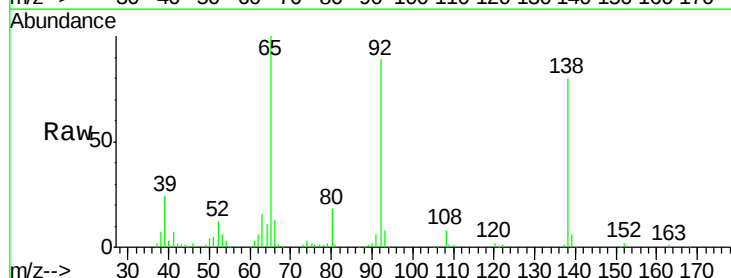
Tgt Ion:138 Resp: 96557

Ion Ratio Lower Upper

138 100

108 10.0 5.7 8.5#

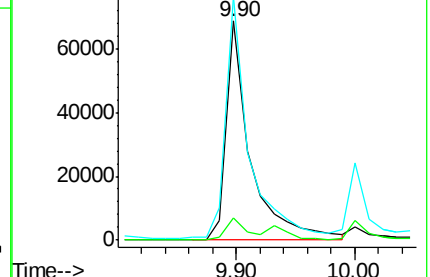
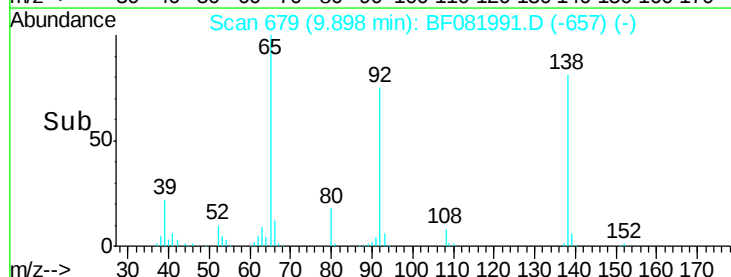
92 111.3 67.7 101.5#



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

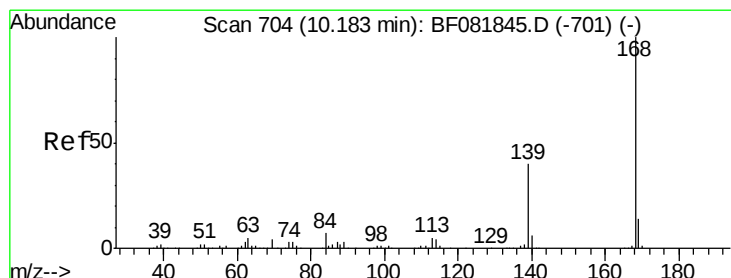
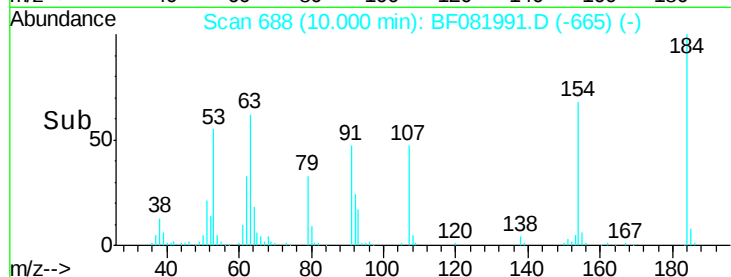
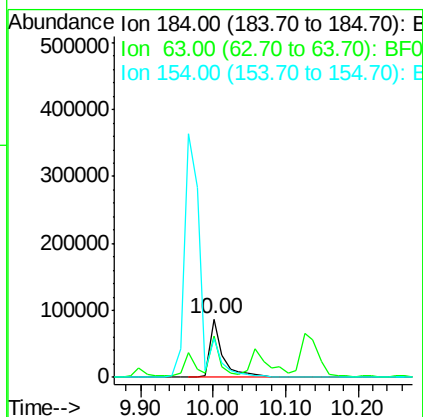
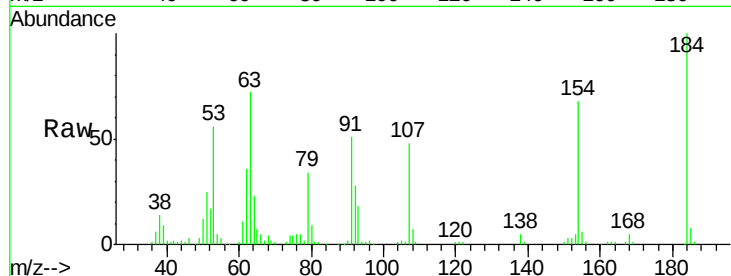




#53
 2,4-Dinitrophenol
 Concen: 71.12 ng
 RT: 10.00 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

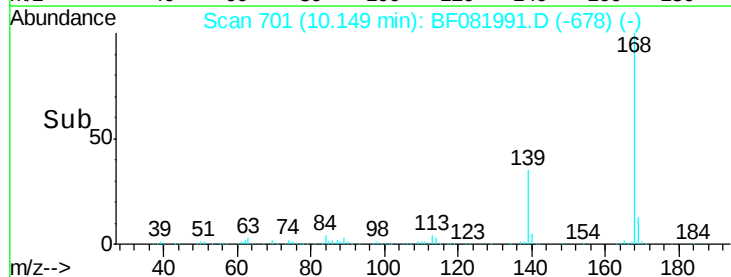
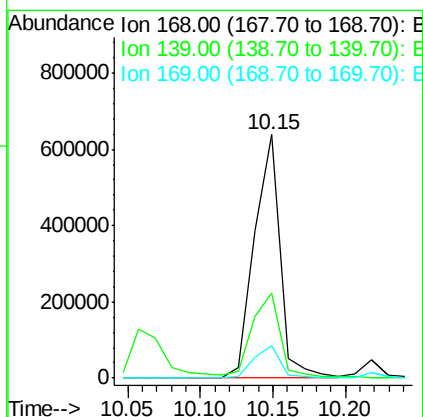
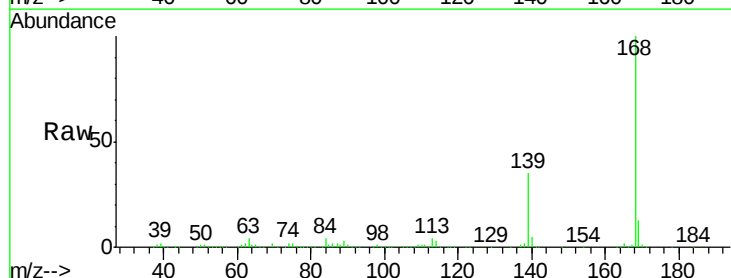
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-24(16-18)MSD

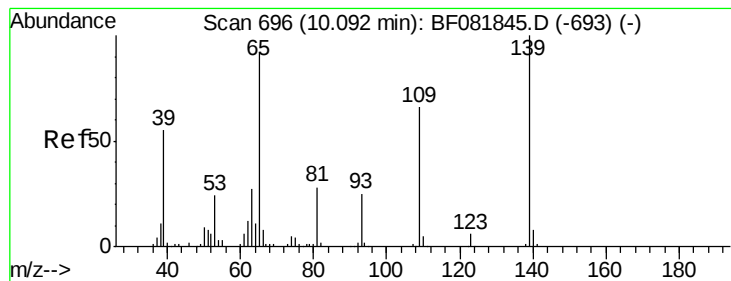
Tot Ion:184 Resp: 109770
 Ion Ratio Lower Upper
 184 100
 63 72.0 35.4 53.2#
 154 67.8 32.2 48.4#



#54
 Dibenzofuran
 Concen: 42.11 ng
 RT: 10.15 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Tgt Ion:168 Resp: 785264
 Ion Ratio Lower Upper
 168 100
 139 34.7 24.2 36.2
 169 13.3 10.6 15.8





#55

4-Nitrophenol

Concen: 75.35 ng

RT: 10.06 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

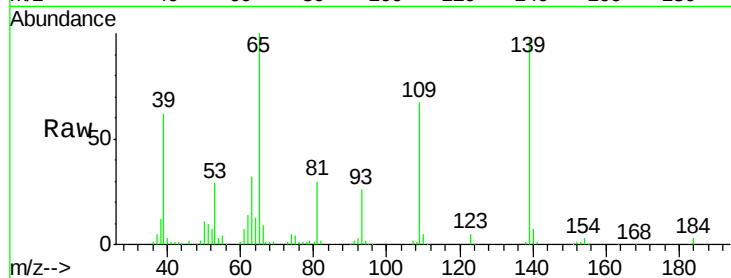
Tot Ion:139 Resp: 216326

Ion Ratio Lower Upper

139 100

109 69.5 12.7 52.7#

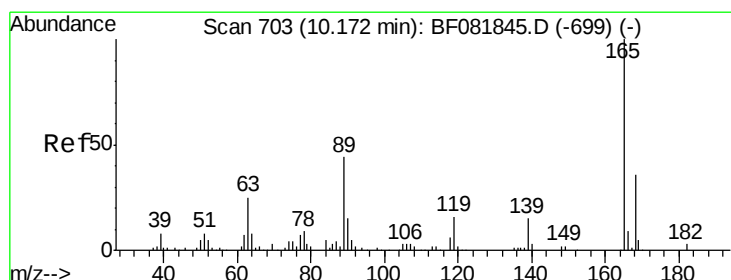
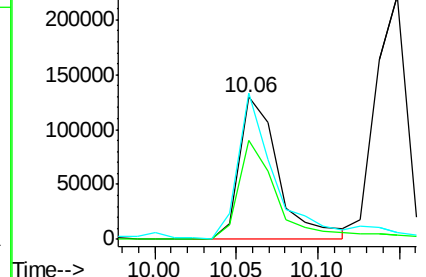
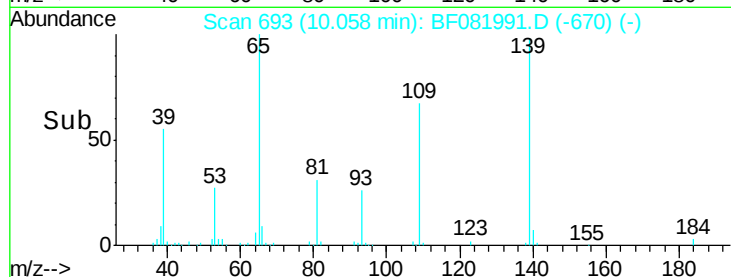
65 103.0 45.9 85.9#



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: 43.67 ng

RT: 10.14 min Scan# 700

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Tgt Ion:165 Resp: 191165

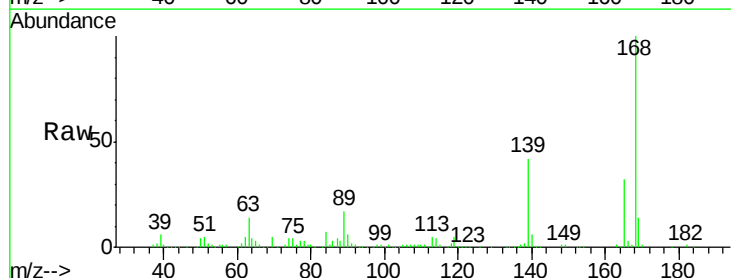
Ion Ratio Lower Upper

165 100

63 44.4 29.8 44.6

89 54.0 44.5 66.7

182 2.3 3.0 4.4#

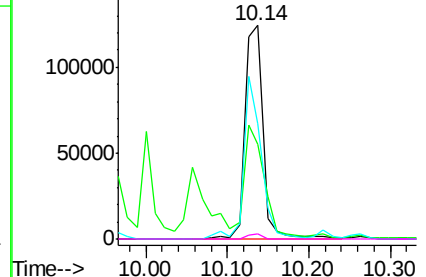
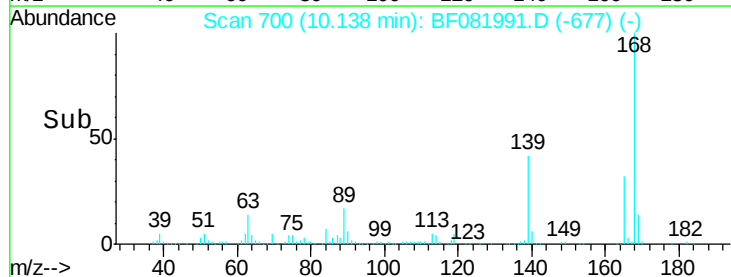


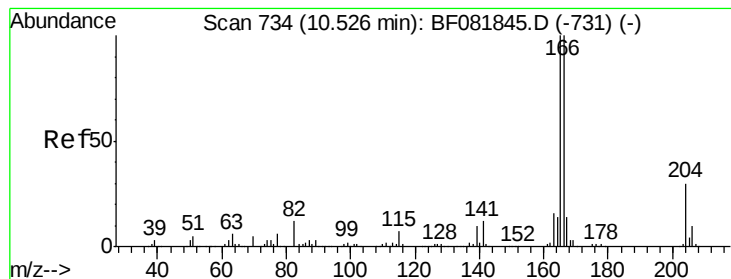
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 47.26 ng

RT: 10.49 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

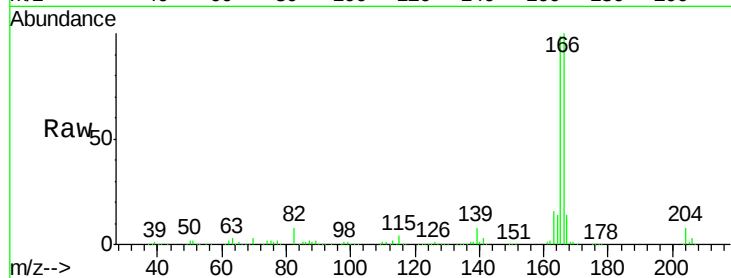
Tot Ion:166 Resp: 628791

Ion Ratio Lower Upper

166 100

165 99.3 72.6 109.0

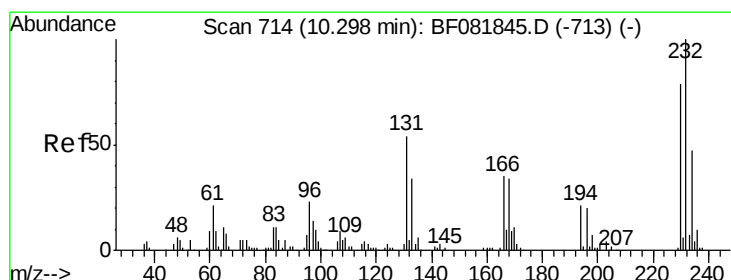
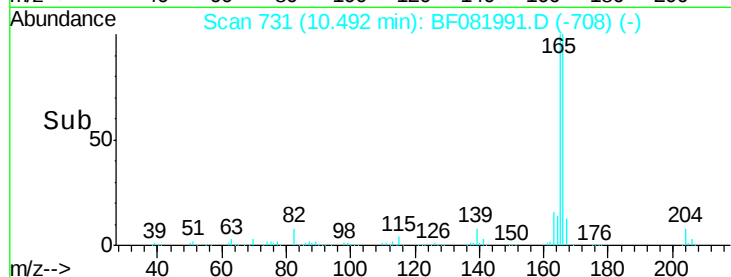
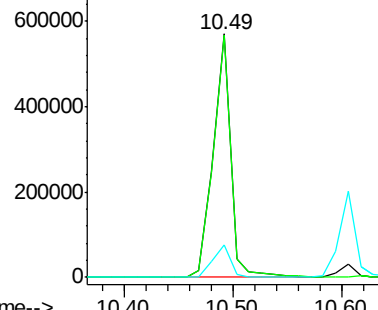
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.05 ng

RT: 10.26 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Tgt Ion:232 Resp: 189047

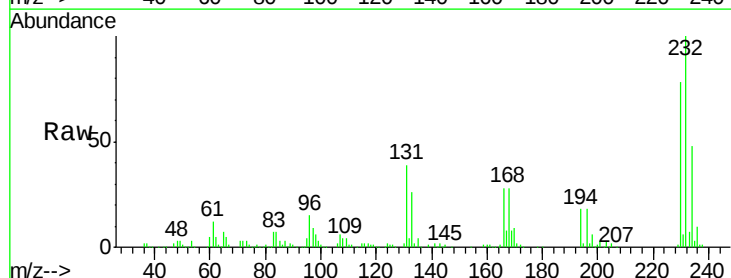
Ion Ratio Lower Upper

232 100

131 42.2 38.5 57.7

130 2.0 1.8 2.6

166 28.3 25.0 37.6

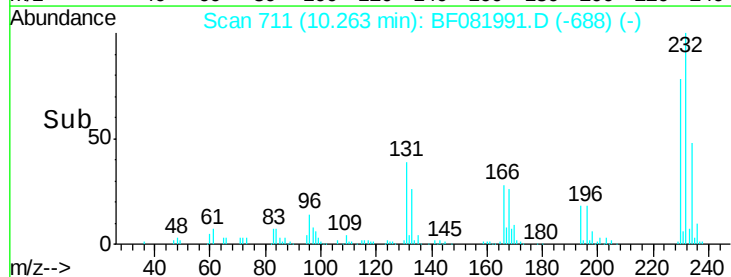
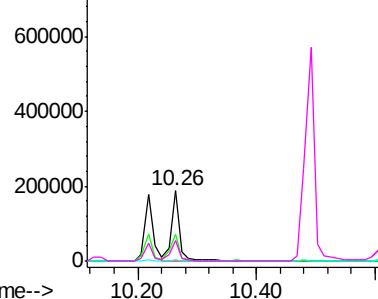


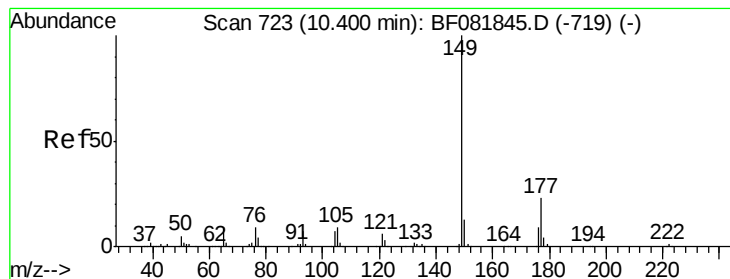
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 41.34 ng

RT: 10.37 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

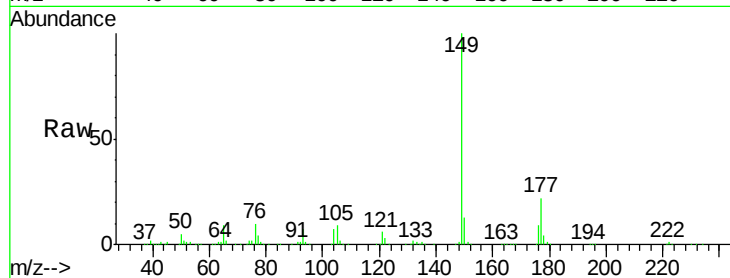
Tot Ion:149 Resp: 610809

Ion Ratio Lower Upper

149 100

177 21.9 17.5 26.3

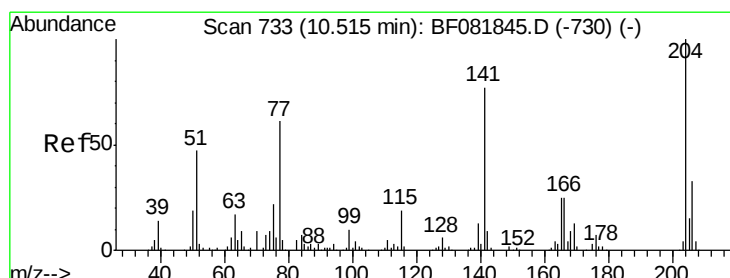
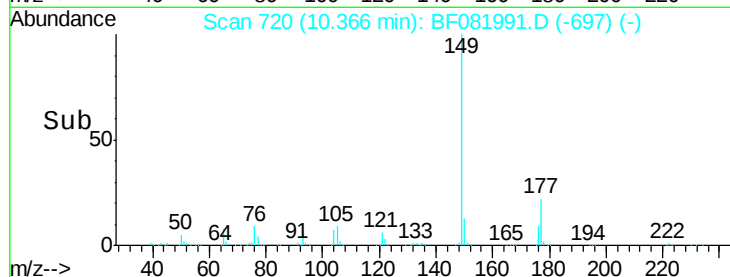
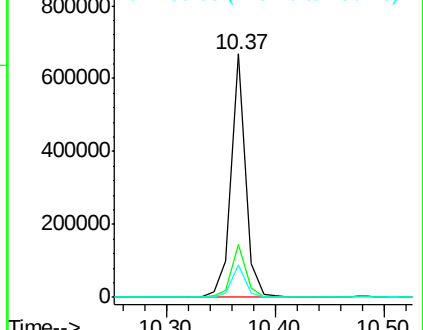
150 13.2 9.4 14.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 43.62 ng

RT: 10.48 min Scan# 730

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

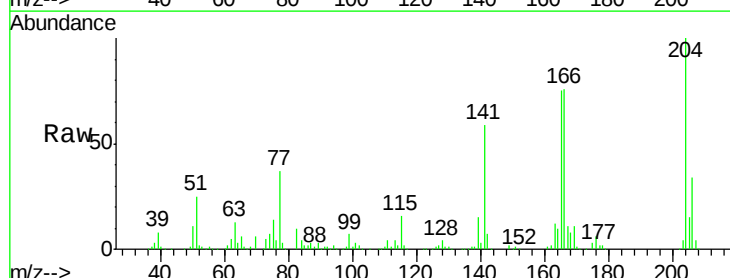
Tgt Ion:204 Resp: 297778

Ion Ratio Lower Upper

204 100

206 34.3 24.8 37.2

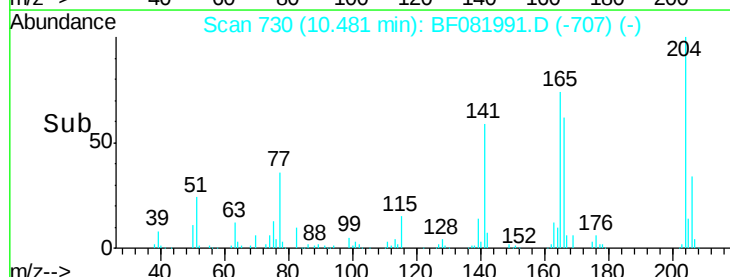
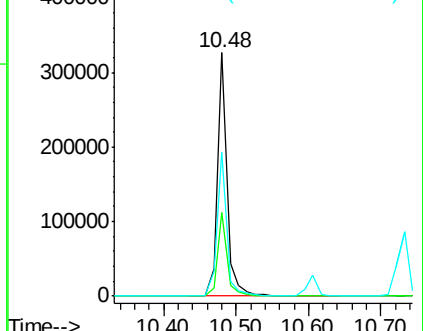
141 59.3 42.2 63.4

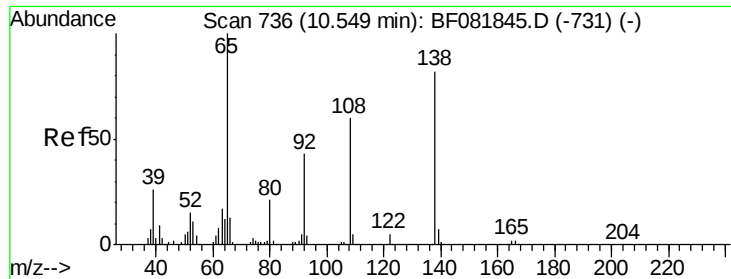


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 38.51 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

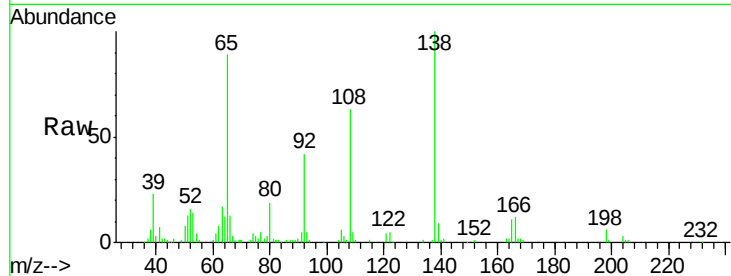
Tot Ion:138 Resp: 153395

Ion Ratio Lower Upper

138 100

92 41.5 12.6 52.6

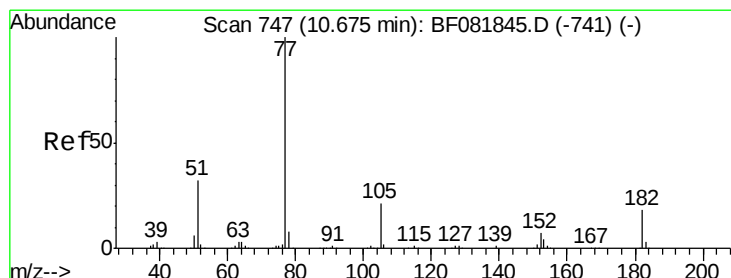
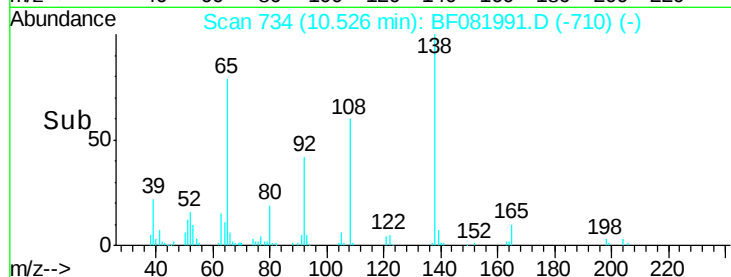
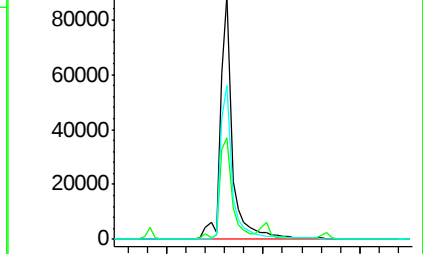
108 63.3 12.4 52.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 43.50 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Tgt Ion: 77 Resp: 627311

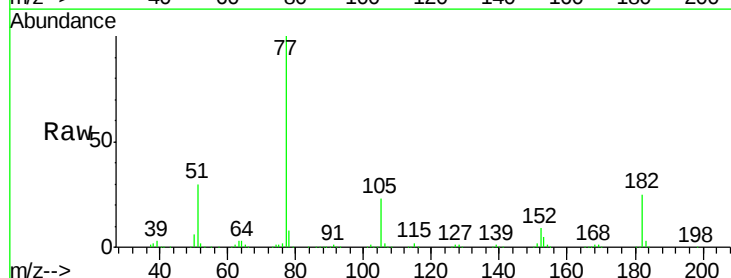
Ion Ratio Lower Upper

77 100

182 24.6 15.1 55.1

105 22.6 3.4 43.4

51 30.0 12.0 52.0

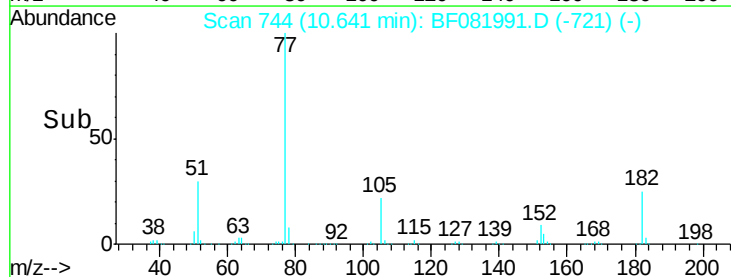
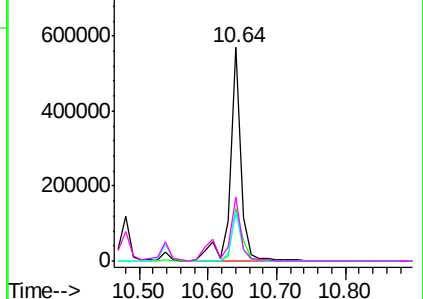


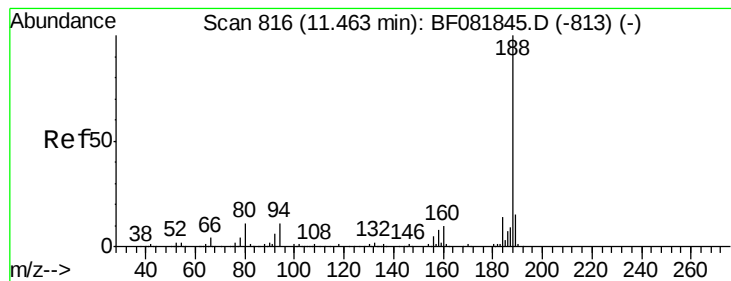
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 813

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

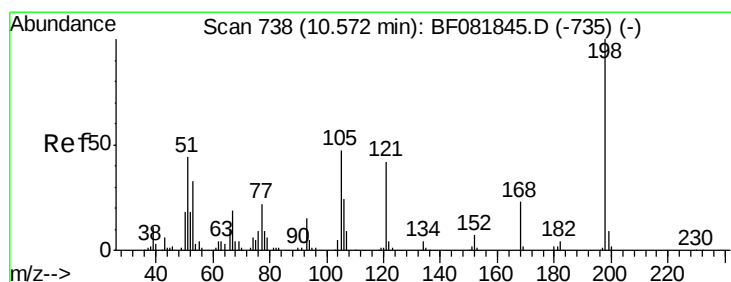
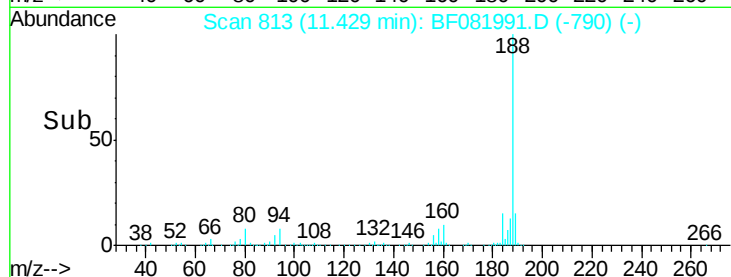
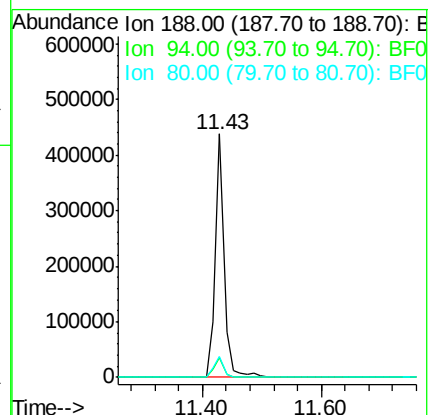
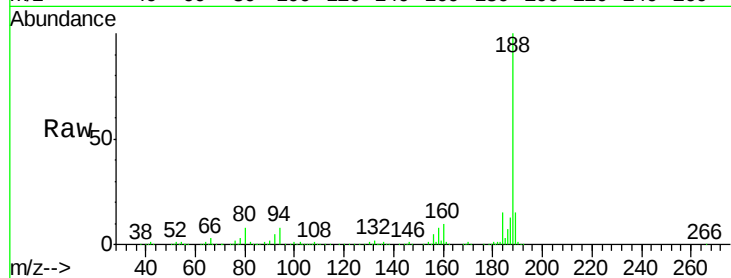
Tot Ion:188 Resp: 455119

Ion Ratio Lower Upper

188 100

94 8.0 11.1 16.7#

80 8.4 11.0 16.4#



#64

4,6-Dinitro-2-methylphenol

Concen: 44.98 ng

RT: 10.54 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

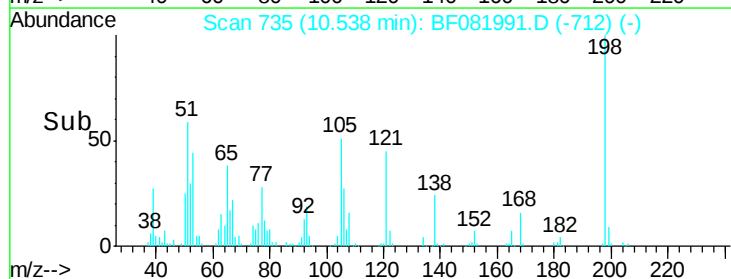
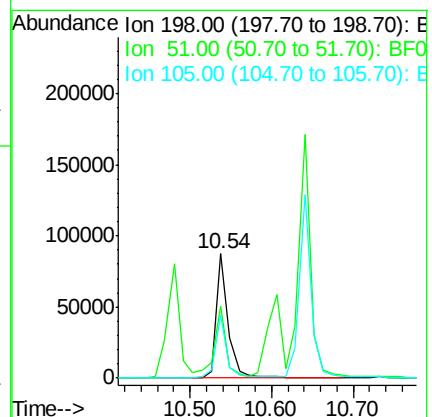
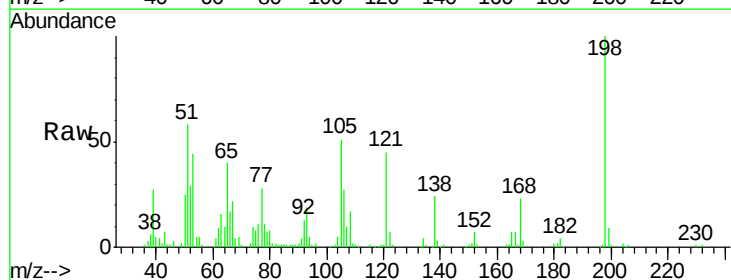
Tgt Ion:198 Resp: 91504

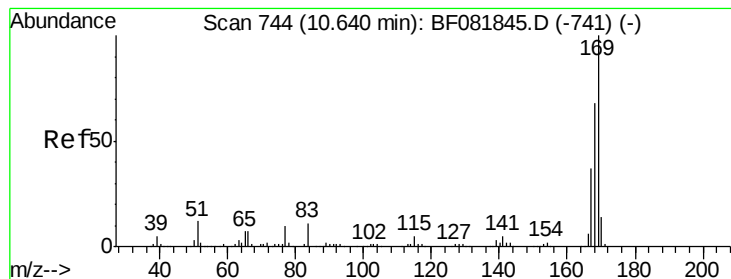
Ion Ratio Lower Upper

198 100

51 58.3 39.6 79.6

105 50.5 28.5 68.5

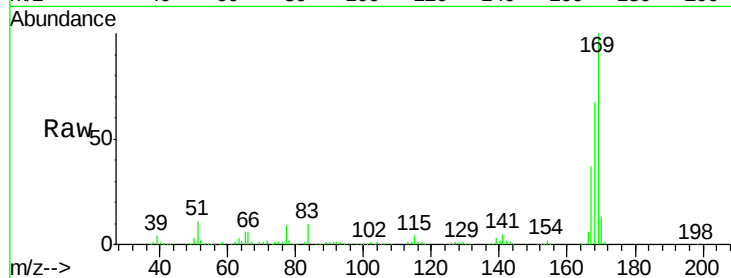




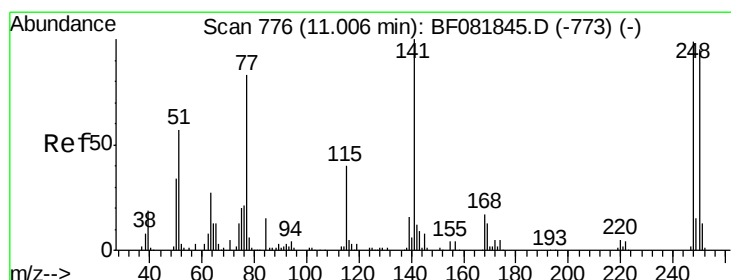
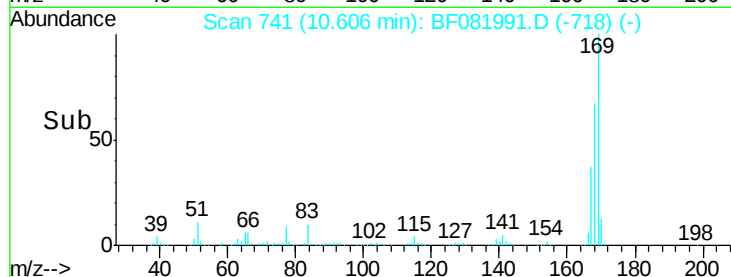
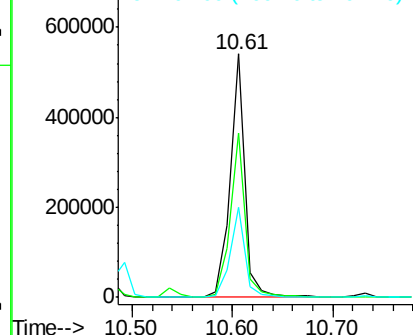
#65
n-Nitrosodiphenylamine
Concen: 40.23 ng
RT: 10.61 min Scan# 741
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

Tot Ion:169 Resp: 554005
Ion Ratio Lower Upper
169 100
168 67.2 48.9 73.3
167 37.1 26.2 39.4

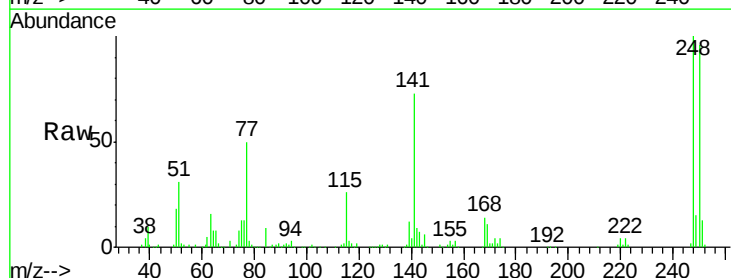


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

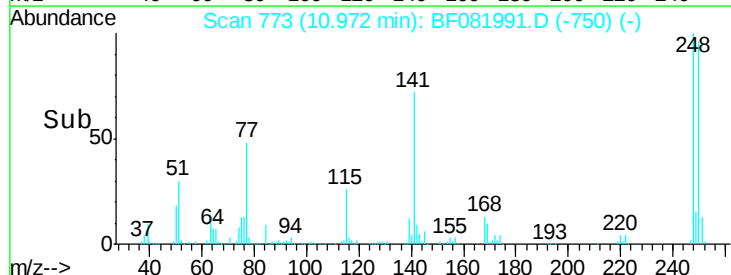
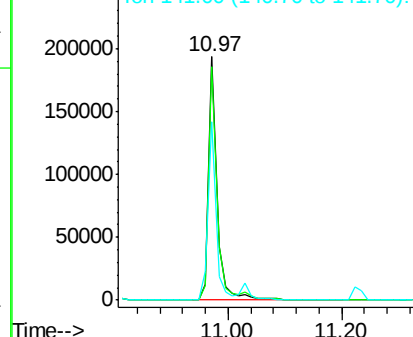


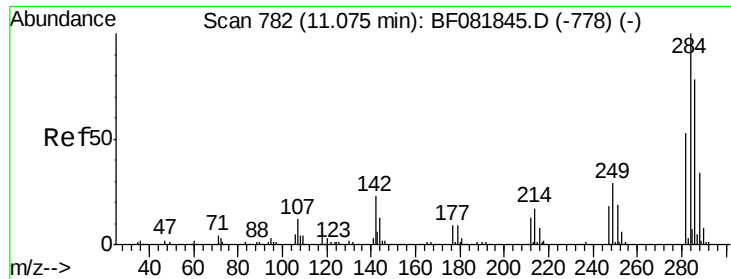
#66
4-Bromophenyl-phenylether
Concen: 42.44 ng
RT: 10.97 min Scan# 773
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion:248 Resp: 194736
Ion Ratio Lower Upper
248 100
250 96.0 78.5 117.7
141 73.4 59.0 88.6



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

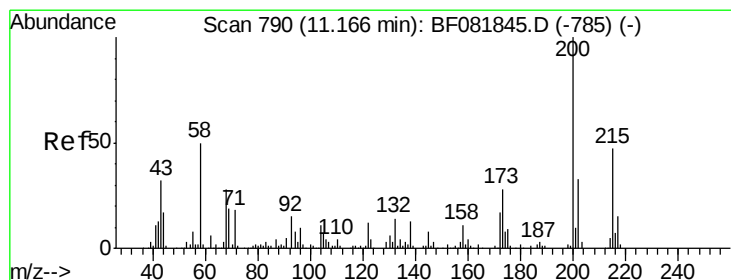
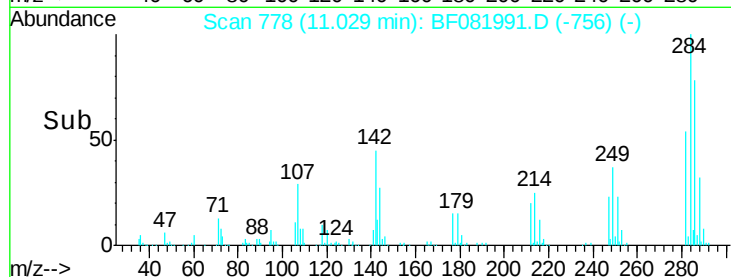
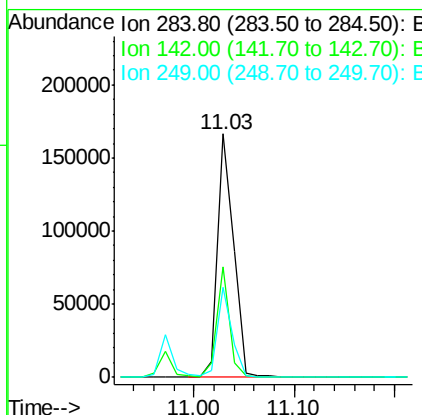
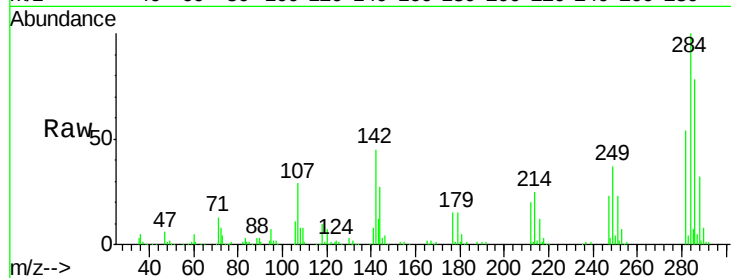




#67
Hexachlorobenzene
Concen: 35.85 ng
RT: 11.03 min Scan# 778
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

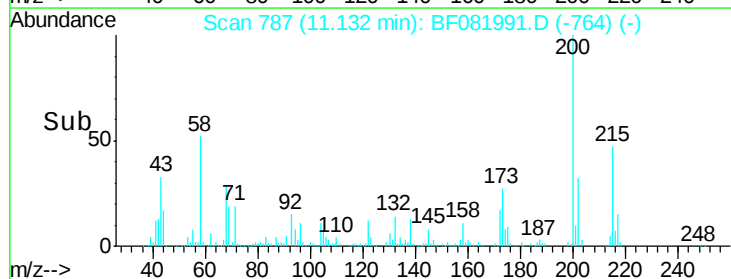
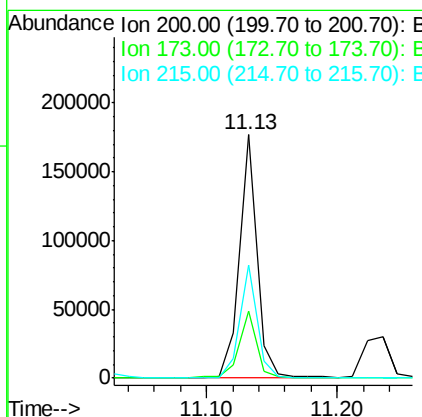
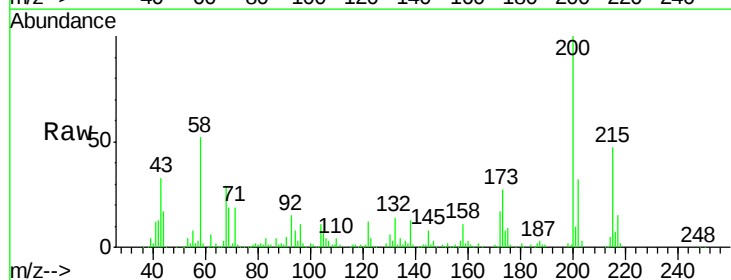
Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

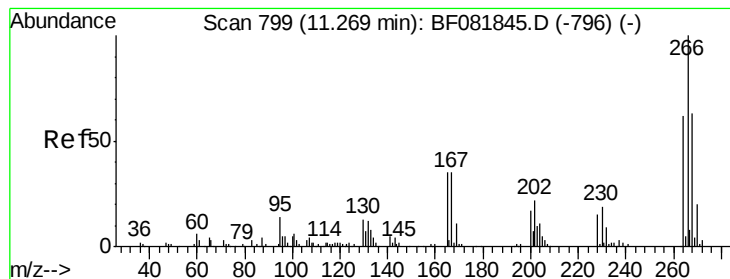
Tot Ion:284 Resp: 185686
Ion Ratio Lower Upper
284 100
142 45.2 29.5 44.3#
249 37.1 19.5 29.3#



#68
Atrazine
Concen: 38.73 ng
RT: 11.13 min Scan# 787
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion:200 Resp: 165470
Ion Ratio Lower Upper
200 100
173 27.3 13.2 53.2
215 46.6 41.8 81.8





#69

Pentachlorophenol

Concen: 79.81 ng

RT: 11.23 min Scan# 796

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

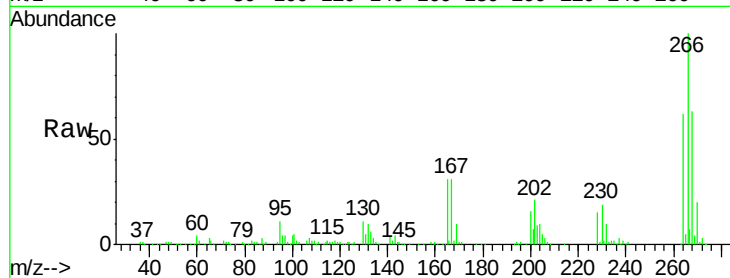
Tot Ion:266 Resp: 235508

Ion Ratio Lower Upper

266 100

268 63.5 49.8 74.6

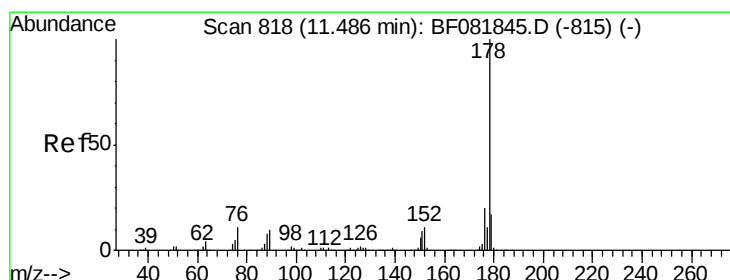
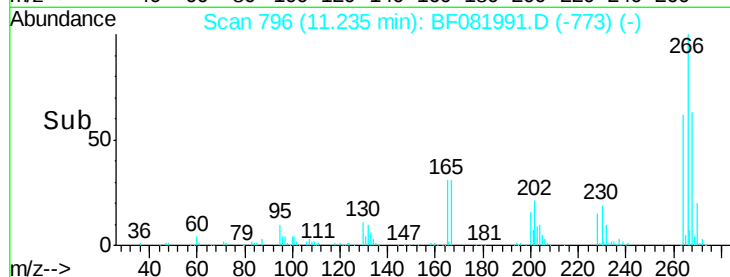
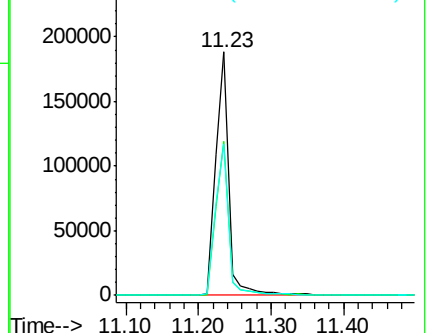
264 62.1 50.2 75.2



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 40.15 ng

RT: 11.45 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

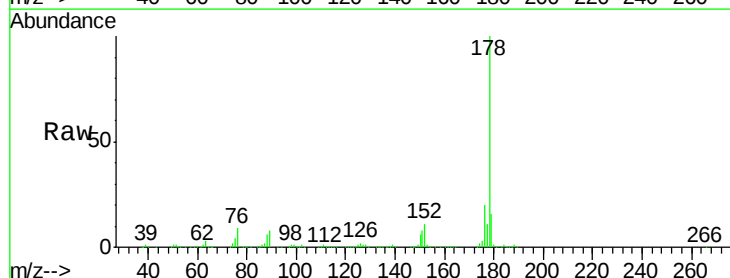
Tgt Ion:178 Resp: 883298

Ion Ratio Lower Upper

178 100

176 20.4 13.8 20.8

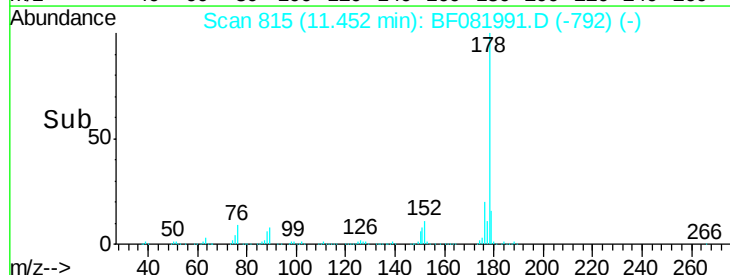
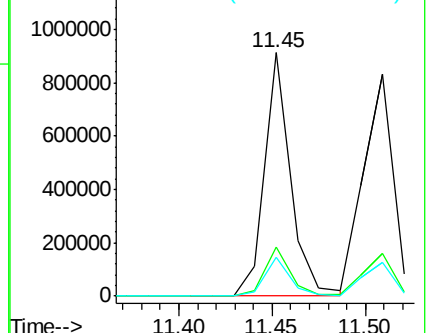
179 16.1 12.2 18.2

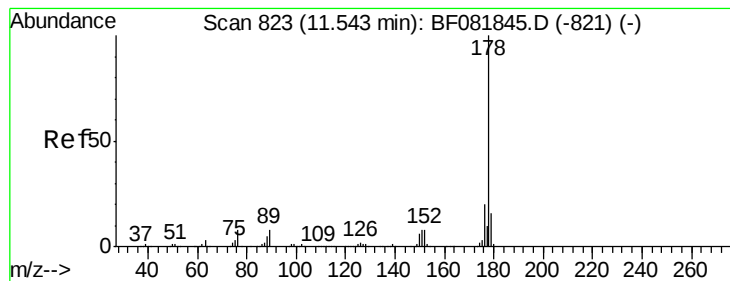


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 42.78 ng

RT: 11.51 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

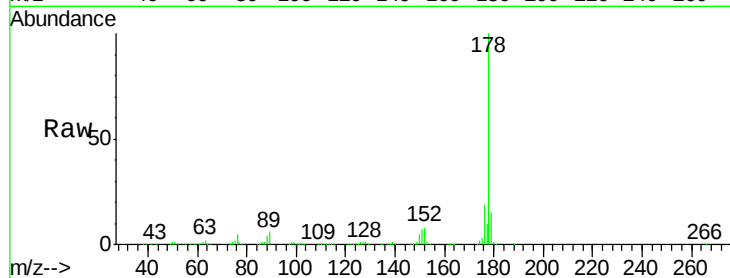
Tot Ion:178 Resp: 989487

Ion Ratio Lower Upper

178 100

176 19.2 14.1 21.1

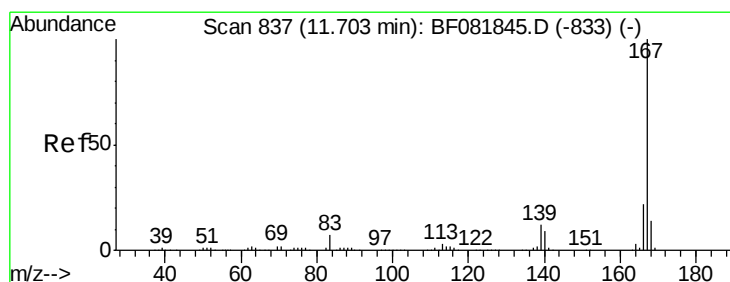
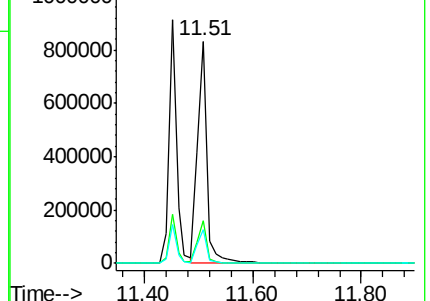
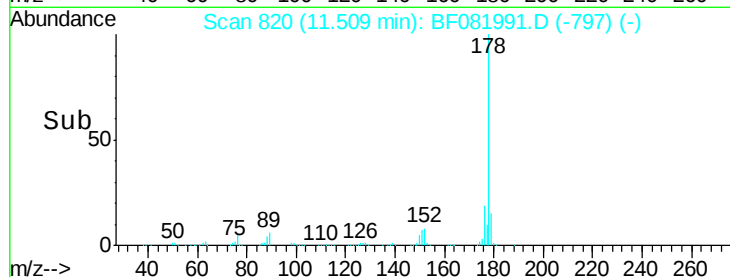
179 15.4 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 40.57 ng

RT: 11.66 min Scan# 833

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

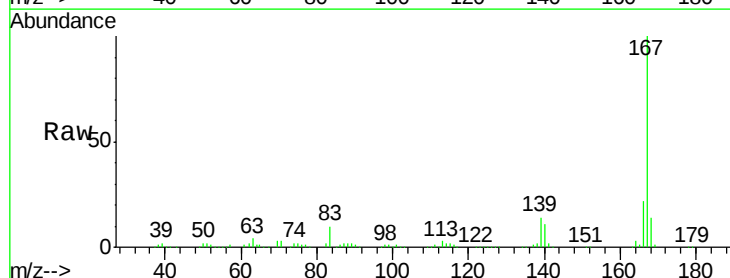
Tgt Ion:167 Resp: 849340

Ion Ratio Lower Upper

167 100

166 22.1 15.7 23.5

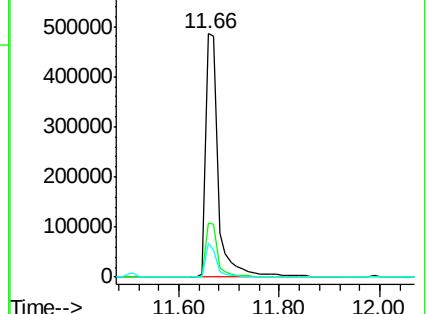
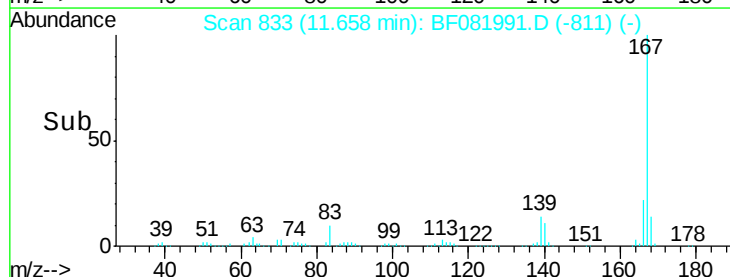
139 14.0 9.5 14.3

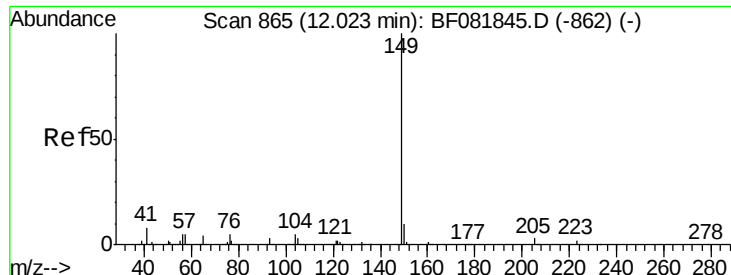


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 43.90 ng

RT: 11.99 min Scan# 862

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

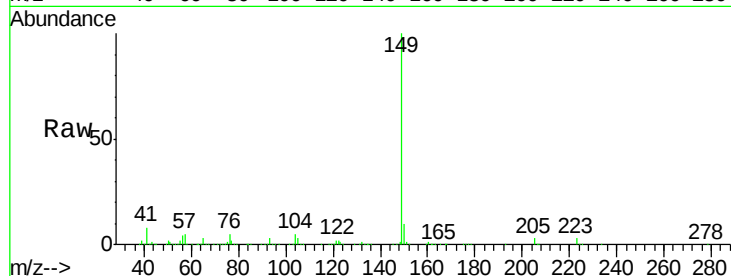
Tot Ion:149 Resp: 936864

Ion Ratio Lower Upper

149 100

150 9.7 7.4 11.2

104 5.0 2.4 3.6#



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

11.99

1200000

1000000

800000

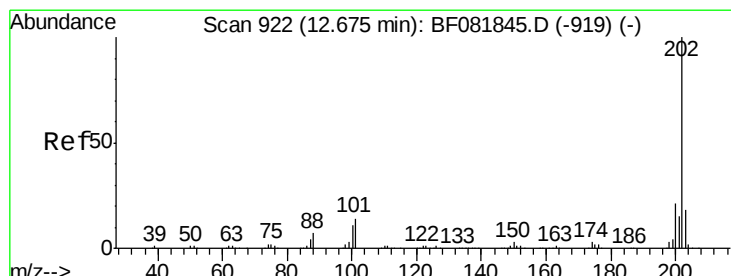
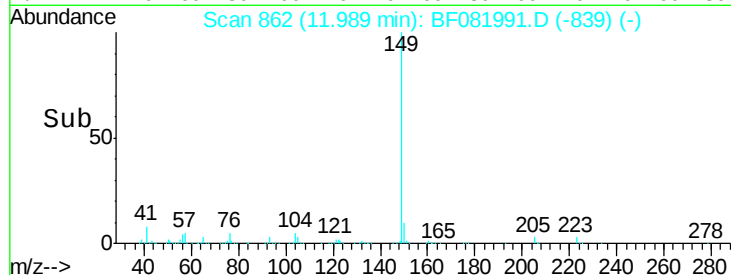
600000

400000

200000

0

Time-->



#74

Fluoranthene

Concen: 38.94 ng

RT: 12.64 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

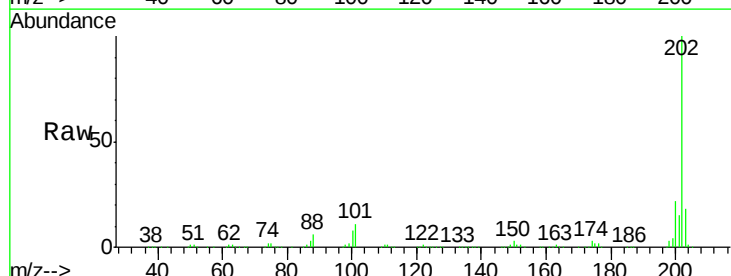
Tgt Ion:202 Resp: 949297

Ion Ratio Lower Upper

202 100

101 11.1 0.0 38.3

203 18.4 0.0 37.3



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

12.64

1200000

1000000

800000

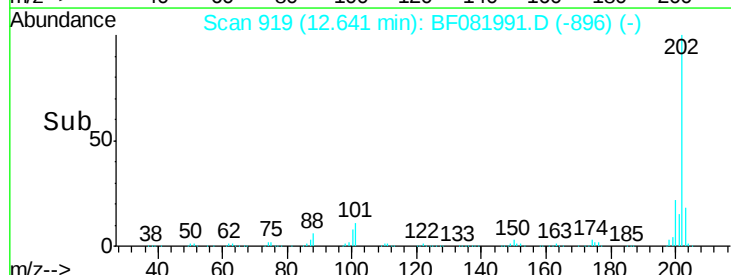
600000

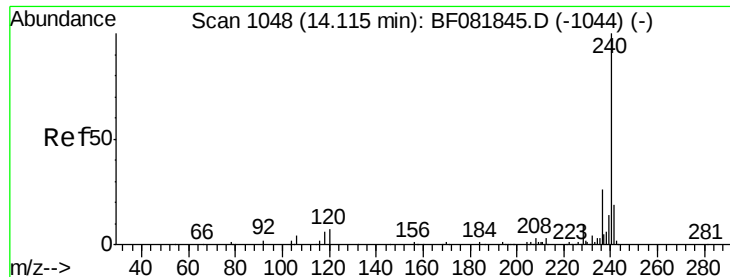
400000

200000

0

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

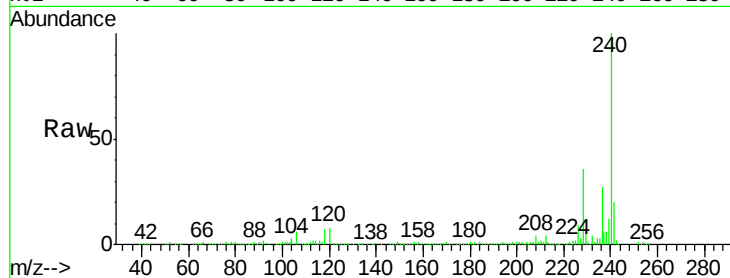
Tot Ion:240 Resp: 427129

Ion Ratio Lower Upper

240 100

120 8.5 16.2 24.2#

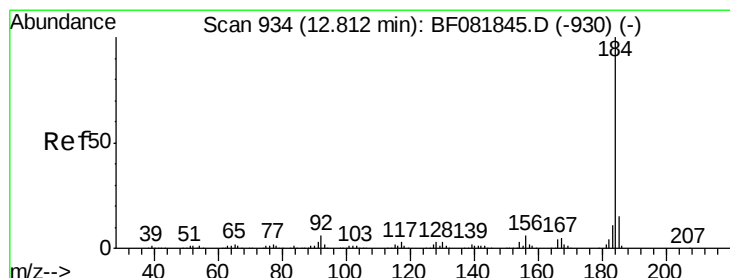
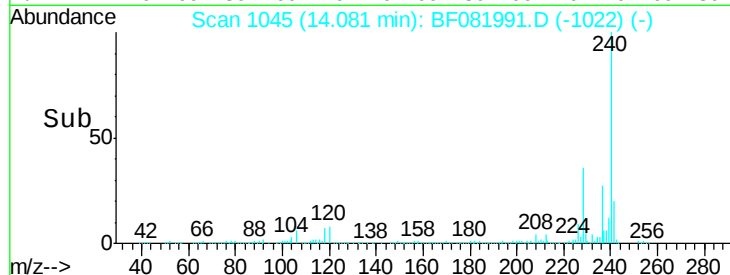
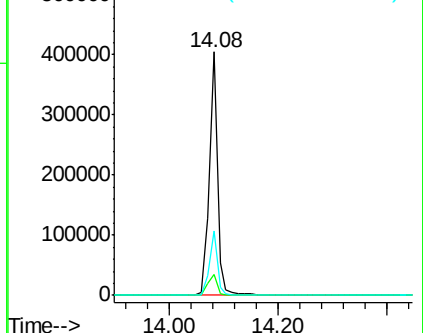
236 26.6 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 4.18 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

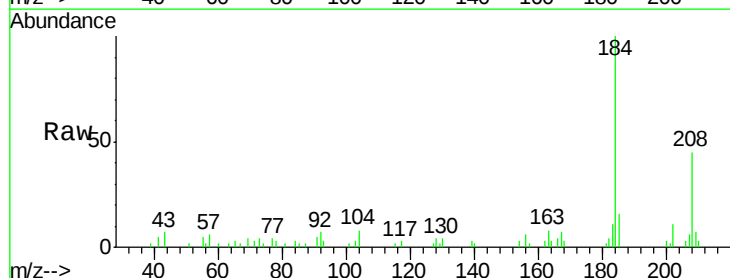
Tgt Ion:184 Resp: 53775

Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.6

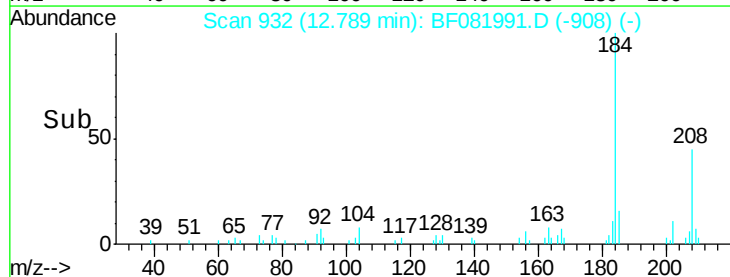
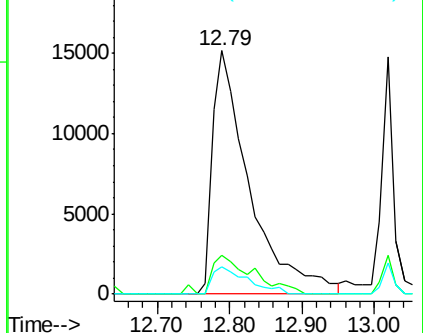
183 11.3 7.6 11.4

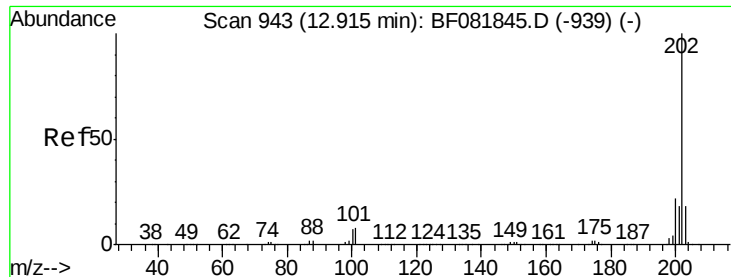


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

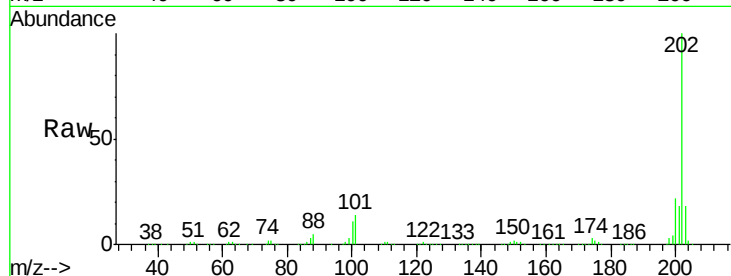




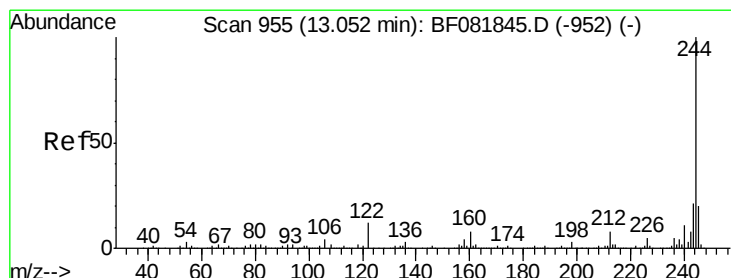
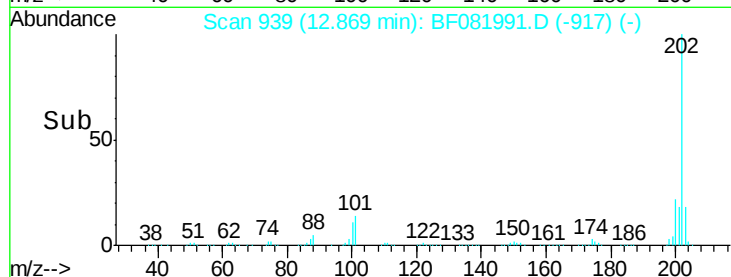
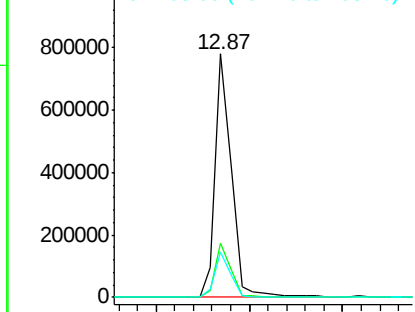
#77
Pvrene
Concen: 36.38 ng
RT: 12.87 min Scan# 939
Delta R.T. -0.05 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	15.0	22.4
203	18.4	14.1	21.1

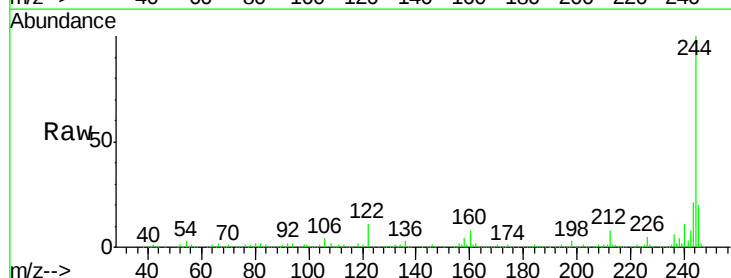


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

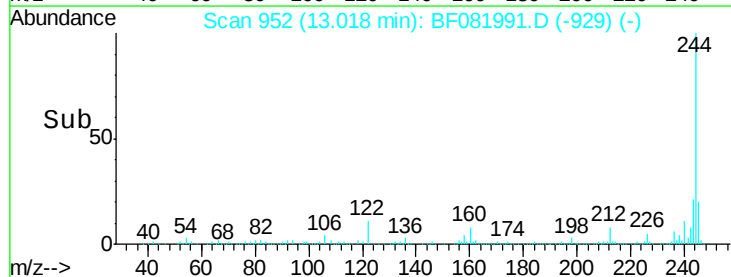
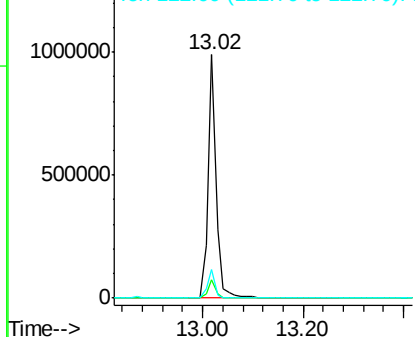


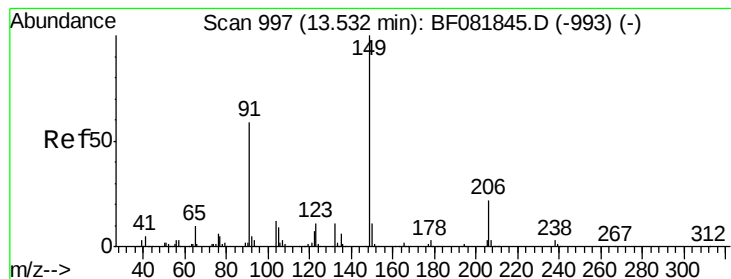
#78
Terphenyl-d14
Concen: 82.45 ng
RT: 13.02 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	4.3	6.5#
122	11.5	17.4	26.2#



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





#79

Butylbenzylphthalate

Concen: 45.55 ng

RT: 13.50 min Scan# 994

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

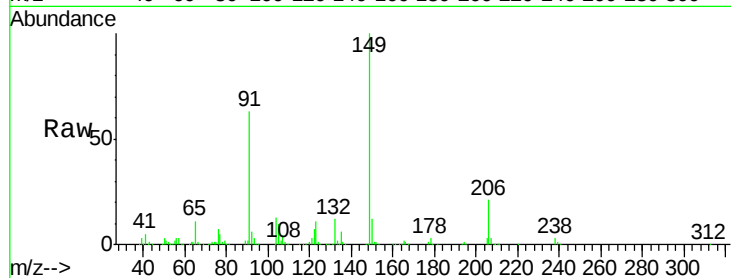
Tot Ion:149 Resp: 437374

Ion Ratio Lower Upper

149 100

91 63.4 48.6 72.8

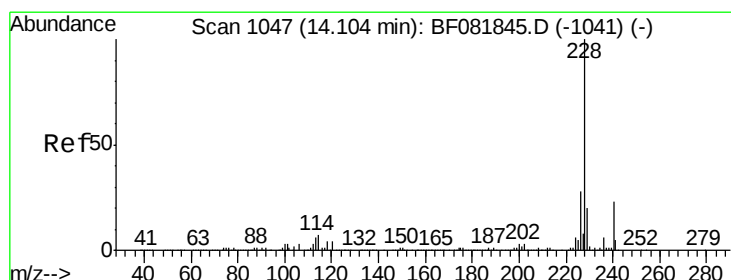
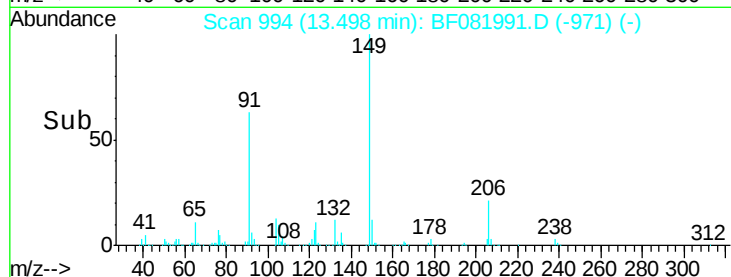
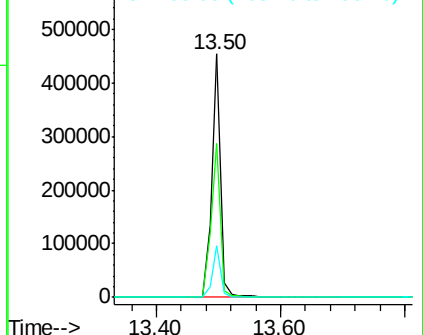
206 21.2 14.9 22.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 36.62 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

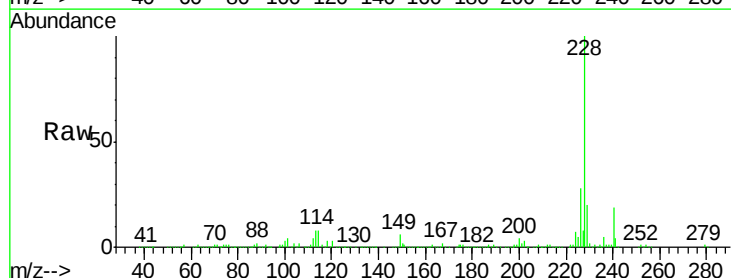
Tgt Ion:228 Resp: 842172

Ion Ratio Lower Upper

228 100

226 27.8 20.0 30.0

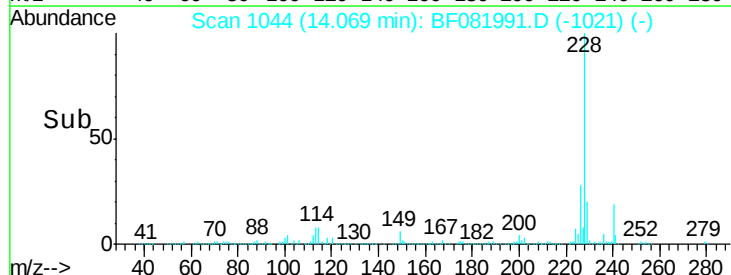
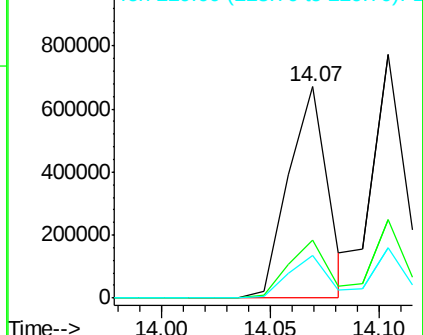
229 20.0 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

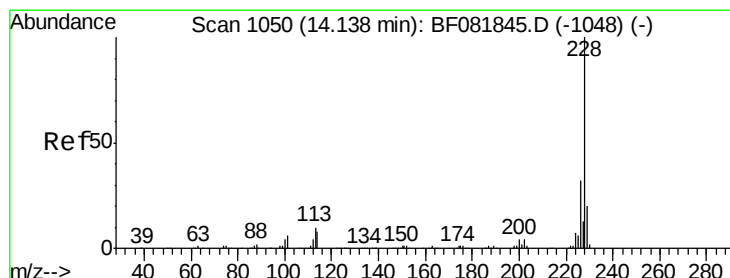
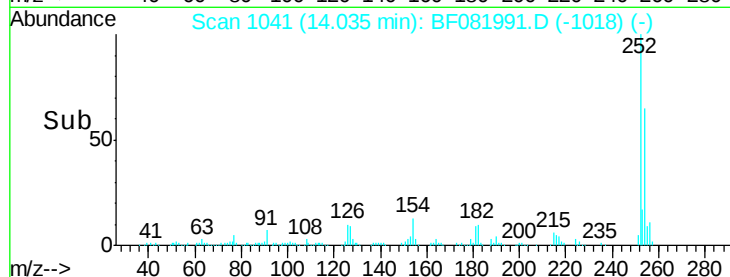
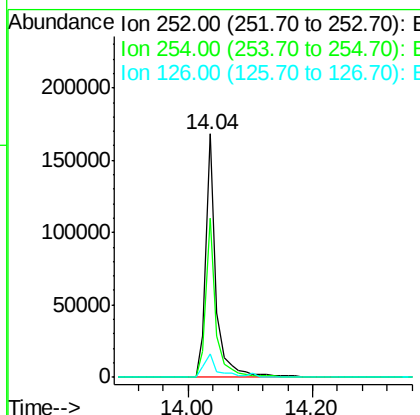
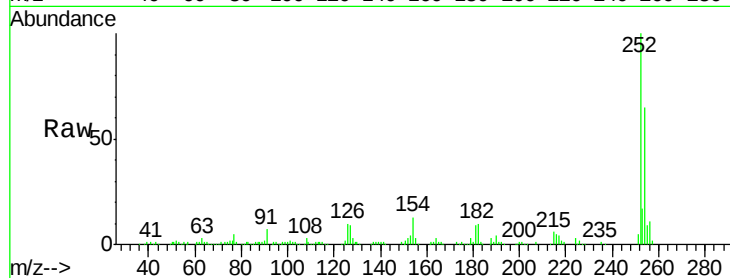




#81
 3,3'-Dichlorobenzidine
 Concen: 25.15 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

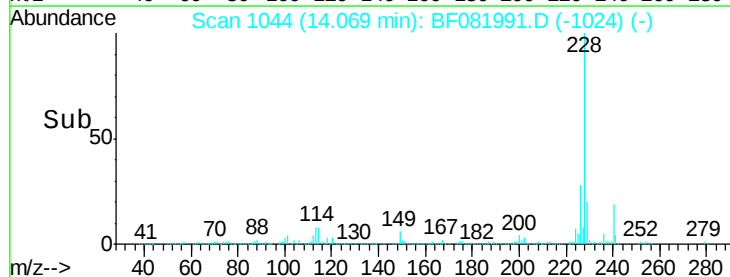
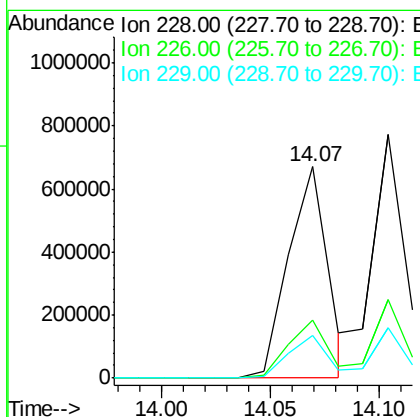
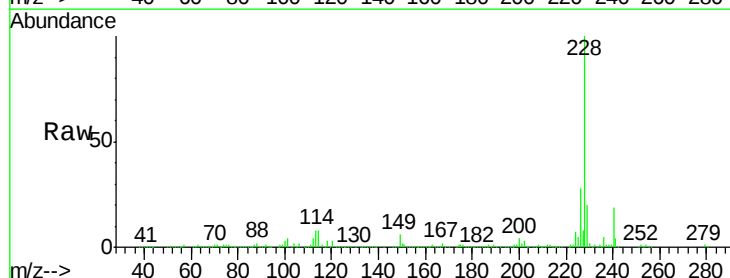
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-24(16-18)MSD

Tot Ion:252 Resp: 195371
 Ion Ratio Lower Upper
 252 100
 254 65.3 51.4 77.2
 126 9.7 16.4 24.6#



#82
 Chrysene
 Concen: 39.51 ng
 RT: 14.07 min Scan# 1044
 Delta R.T. -0.07 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Tgt Ion:228 Resp: 842172
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.0 31.4
 229 20.0 15.6 23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 47.35 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

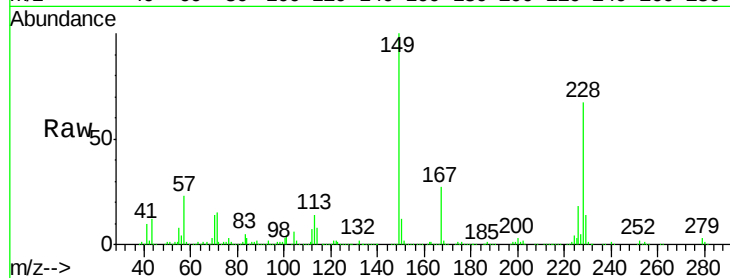
Tot Ion:149 Resp: 570276

Ion Ratio Lower Upper

149 100

167 27.0 24.2 36.2

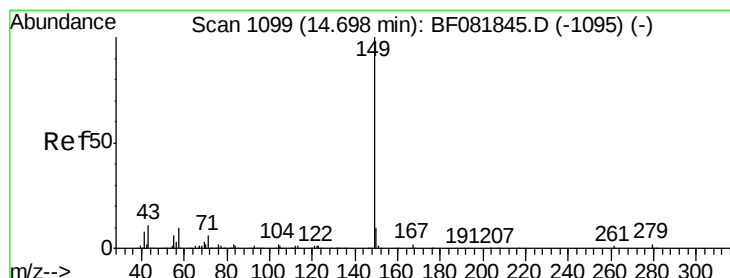
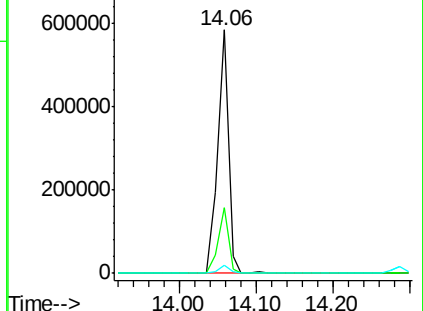
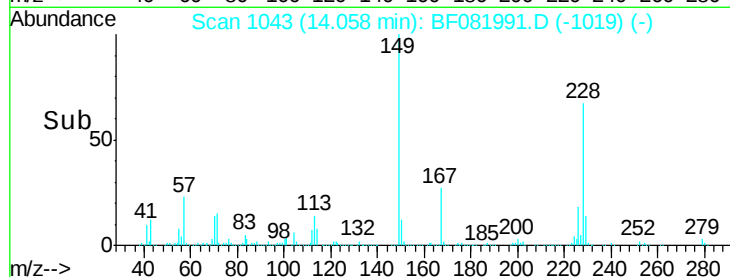
279 3.4 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 48.21 ng

RT: 14.68 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

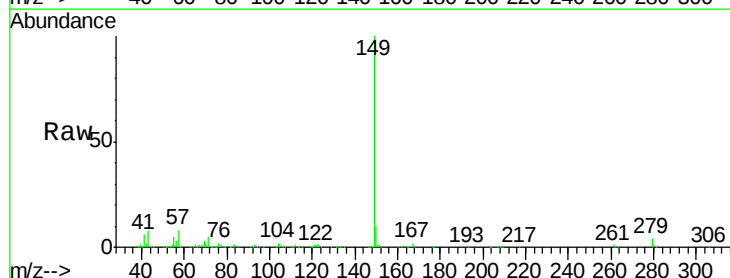
Tgt Ion:149 Resp: 945013

Ion Ratio Lower Upper

149 100

167 1.5 1.0 1.6

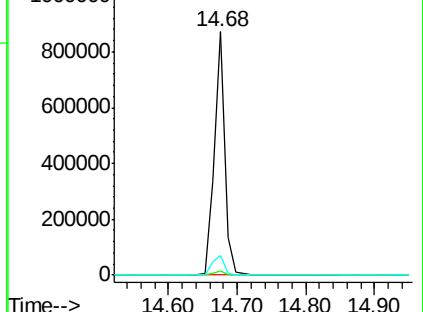
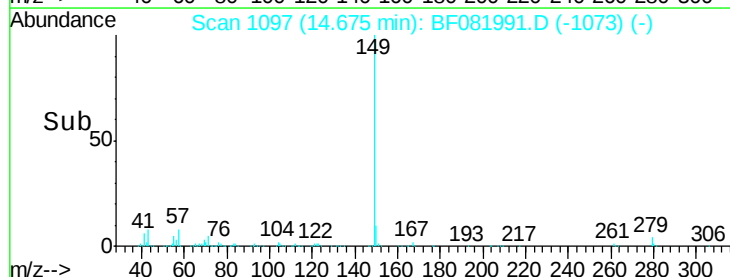
43 9.2 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

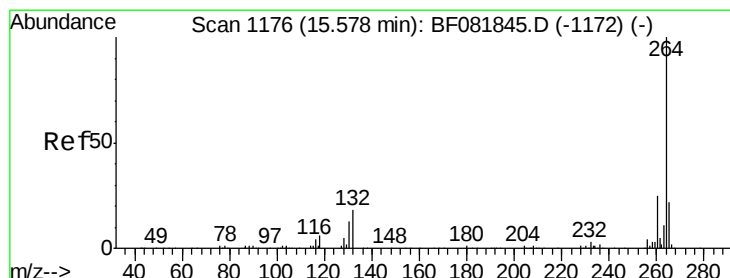
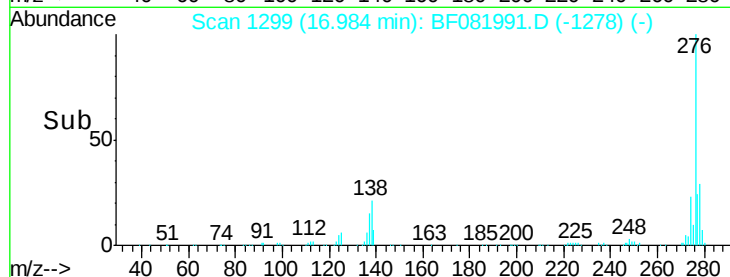
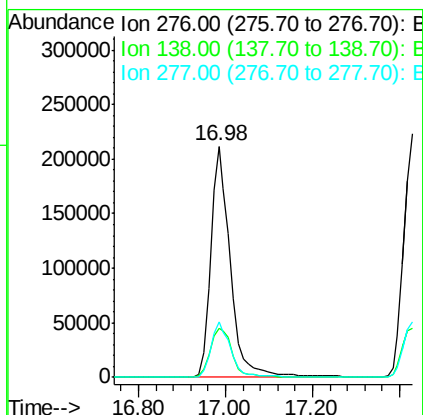
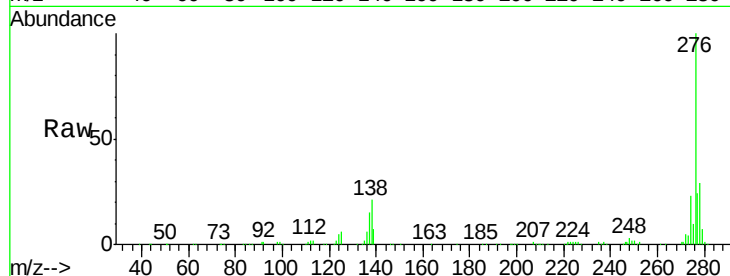




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 37.43 ng
 RT: 16.98 min Scan# 1299
 Delta R.T. -0.06 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

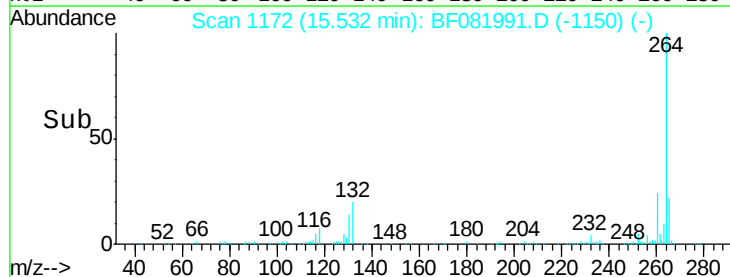
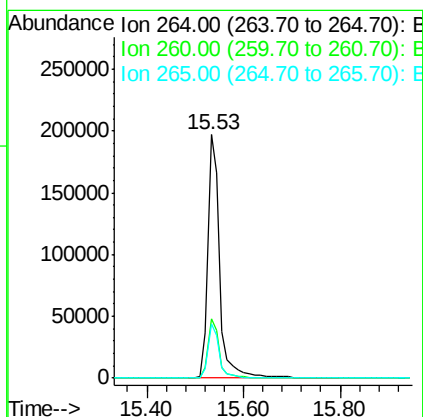
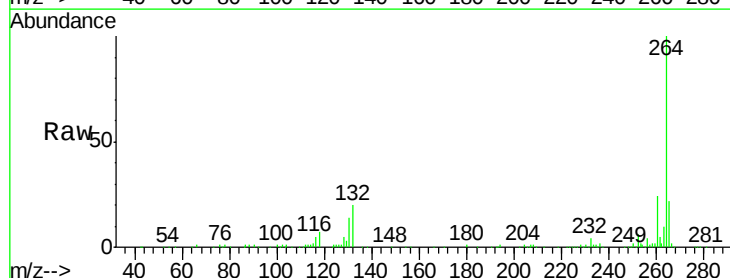
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-24(16-18)MSD

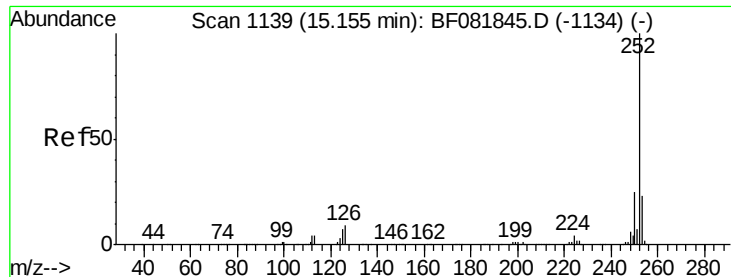
Tot Ion:276 Resp: 673422
 Ion Ratio Lower Upper
 276 100
 138 24.2 25.7 38.5#
 277 24.8 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1172
 Delta R.T. -0.05 min
 Lab File: BF081991.D
 Acq: 2 Oct 2015 21:05

Tgt Ion:264 Resp: 337729
 Ion Ratio Lower Upper
 264 100
 260 24.2 16.7 25.1
 265 22.2 17.2 25.8

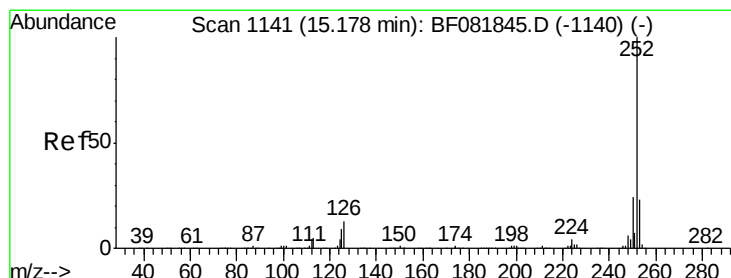
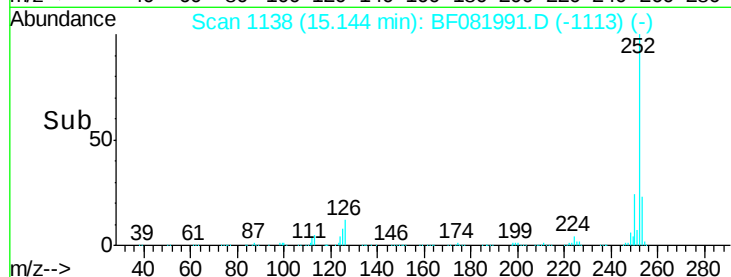
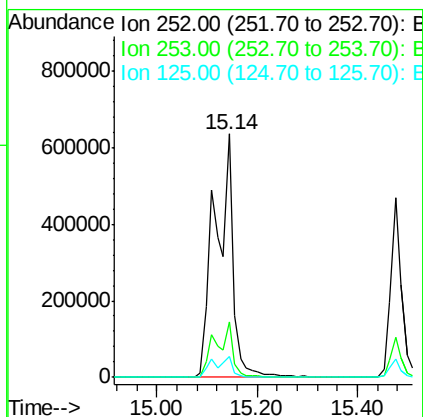
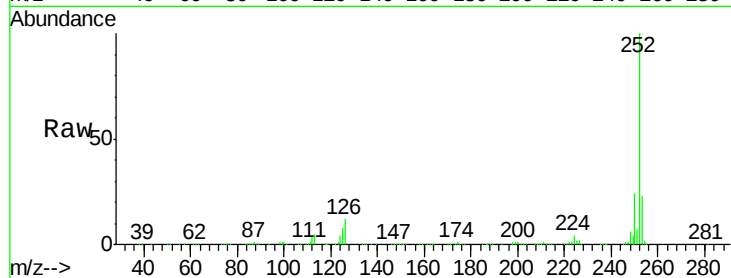




#87
Benzo(b)fluoranthene
Concen: 82.37 ng
RT: 15.14 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

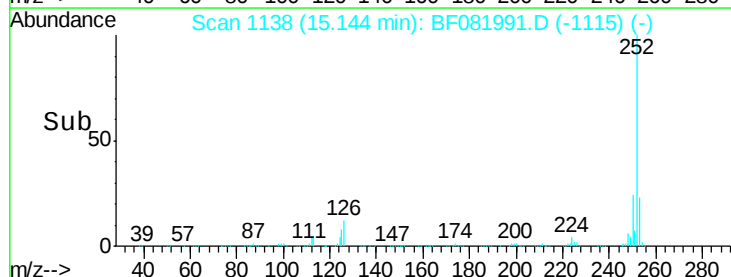
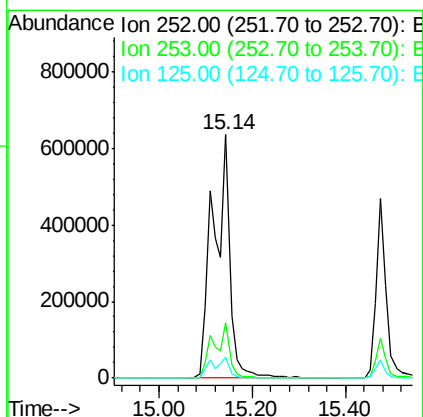
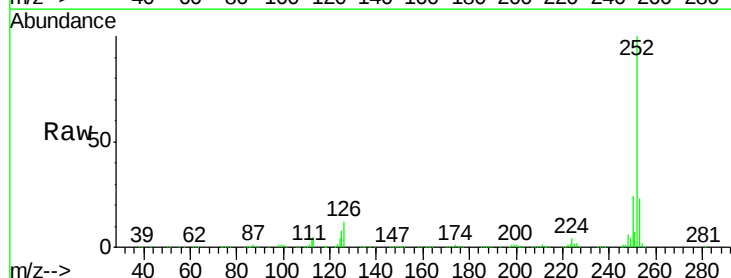
Instrument :
BNA_F
ClientSampleId :
OS-SB-24(16-18)MSD

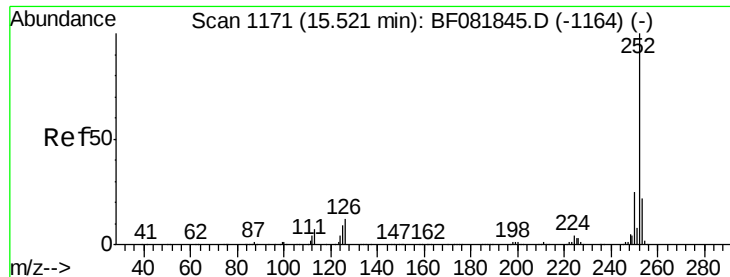
Tot Ion:252 Resp: 1588303
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 8.3 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 89.97 ng
RT: 15.14 min Scan# 1138
Delta R.T. -0.03 min
Lab File: BF081991.D
Acq: 2 Oct 2015 21:05

Tgt Ion:252 Resp: 1590059
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 8.3 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 43.72 ng

RT: 15.48 min Scan# 1167

Delta R.T. -0.05 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD

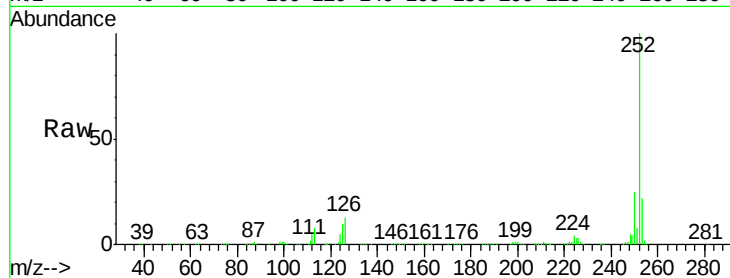
Tot Ion:252 Resp: 731293

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

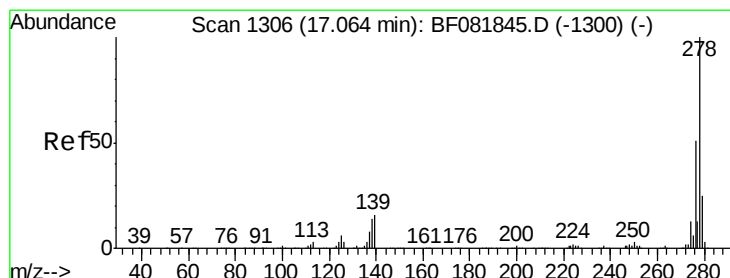
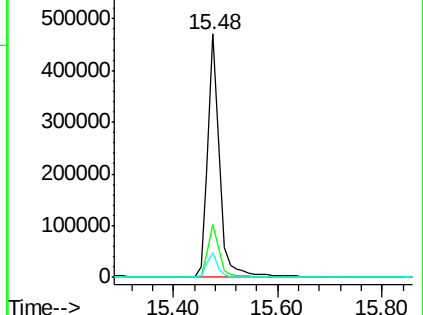
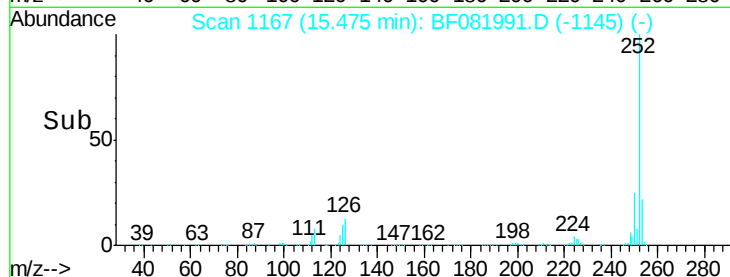
125 10.1 18.0 27.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 39.93 ng

RT: 17.01 min Scan# 1301

Delta R.T. -0.06 min

Lab File: BF081991.D

Acq: 2 Oct 2015 21:05

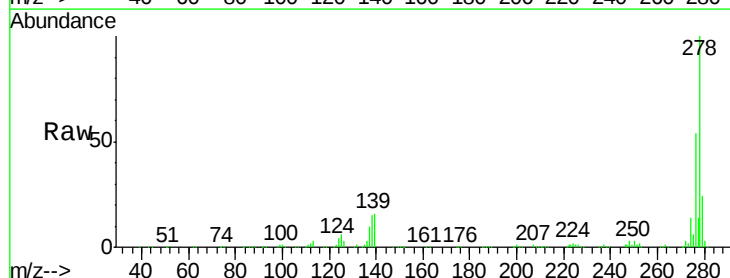
Tgt Ion:278 Resp: 560394

Ion Ratio Lower Upper

278 100

139 15.7 26.3 39.5#

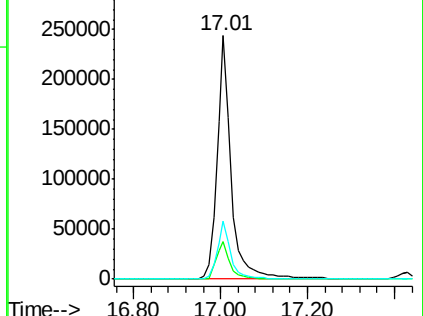
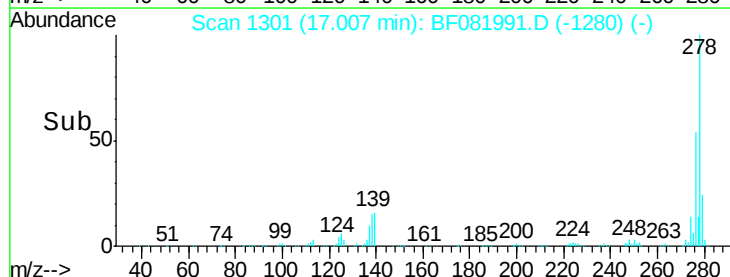
279 24.1 18.2 27.4



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: 37.95 ng

RT: 17.43 min Scan# 1338

Delta R.T. -0.06 min

Lab File: BF081991.D

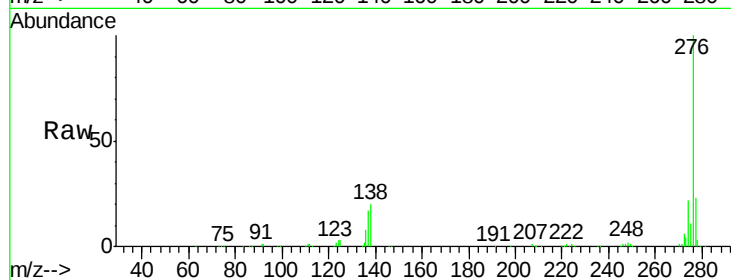
Acq: 2 Oct 2015 21:05

Instrument :

BNA_F

ClientSampleId :

OS-SB-24(16-18)MSD



Tot Ion:	276	Resp:	545762
Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.8	26.6
138	20.1	34.6	51.8#

