

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012916\
 Data File : BF084663.D
 Acq On : 30 Jan 2016 4:14
 Operator : SJ/IZ
 Sample : H1261-11MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Quant Time: Jan 30 05:42:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	182315	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	709836	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	343042	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	628227	20.00	ng	0.00
75) Chrysene-d12	13.87	240	395550	20.00	ng	0.00
86) Perylene-d12	15.25	264	344105	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1070583	88.64	ng	0.02
7) Phenol-d6	6.37	99	1264892	87.38	ng	0.00
23) Nitrobenzene-d5	7.30	82	1204137	94.80	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	446903	124.30	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1934297	83.81	ng	0.00
78) Terphenyl-d14	12.83	244	1912364	109.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	166952	29.64	ng	# 77
3) Pyridine	3.04	79	357987	23.86	ng	# 78
4) n-Nitrosodimethylamine	2.97	42	254069	34.63	ng	86
6) Aniline	6.38	93	517814	27.87	ng	# 43
8) 2-Chlorophenol	6.51	128	466836	34.85	ng	87
9) Benzaldehyde	6.27	77	19256	2.30	ng	98
10) Phenol	6.38	94	435706	27.01	ng	# 61
11) bis(2-Chloroethyl)ether	6.46	93	536737	42.77	ng	# 81
12) 1,3-Dichlorobenzene	6.67	146	534560	37.24	ng	96
13) 1,4-Dichlorobenzene	6.74	146	541594	38.45	ng	96
14) 1,2-Dichlorobenzene	6.90	146	546958	42.17	ng	98
15) Benzyl Alcohol	6.88	79	440860	44.74	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.01	45	848263	39.50	ng	90
17) 2-Methylphenol	7.00	107	384336	37.01	ng	94
18) Hexachloroethane	7.24	117	219610	39.85	ng	# 88
19) n-Nitroso-di-n-propylamine	7.15	70	387694	43.85	ng	# 74
20) 3+4-Methylphenols	7.15	107	453465	35.98	ng	# 66
22) Acetophenone	7.14	105	777234	41.93	ng	# 99
24) Nitrobenzene	7.31	77	534863	39.62	ng	93
25) Isophorone	7.56	82	1107785	46.55	ng	96
26) 2-Nitrophenol	7.63	139	250806	39.07	ng	# 85
27) 2,4-Dimethylphenol	7.68	122	408069	36.27	ng	95
28) bis(2-Chloroethoxy)methane	7.77	93	664067	46.50	ng	98
29) 2,4-Dichlorophenol	7.88	162	397855	40.43	ng	95
30) 1,2,4-Trichlorobenzene	7.95	180	477985	42.48	ng	97
31) Naphthalene	8.03	128	2048641	57.17	ng	99
32) Benzoic acid	7.81	122	283271	32.80	ng	97
33) 4-Chloroaniline	8.09	127	215282	14.77	ng	96
34) Hexachlorobutadiene	8.16	225	282139	42.43	ng	98
35) Caprolactam	8.45	113	71426	25.30	ng	# 47
36) 4-Chloro-3-methylphenol	8.58	107	430842	39.77	ng	93
37) 2-Methylnaphthalene	8.73	142	1193484	54.26	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.89	216	430411	38.69	ng	98
40) Hexachlorocyclopentadiene	8.88	237	456112	90.17	ng	98

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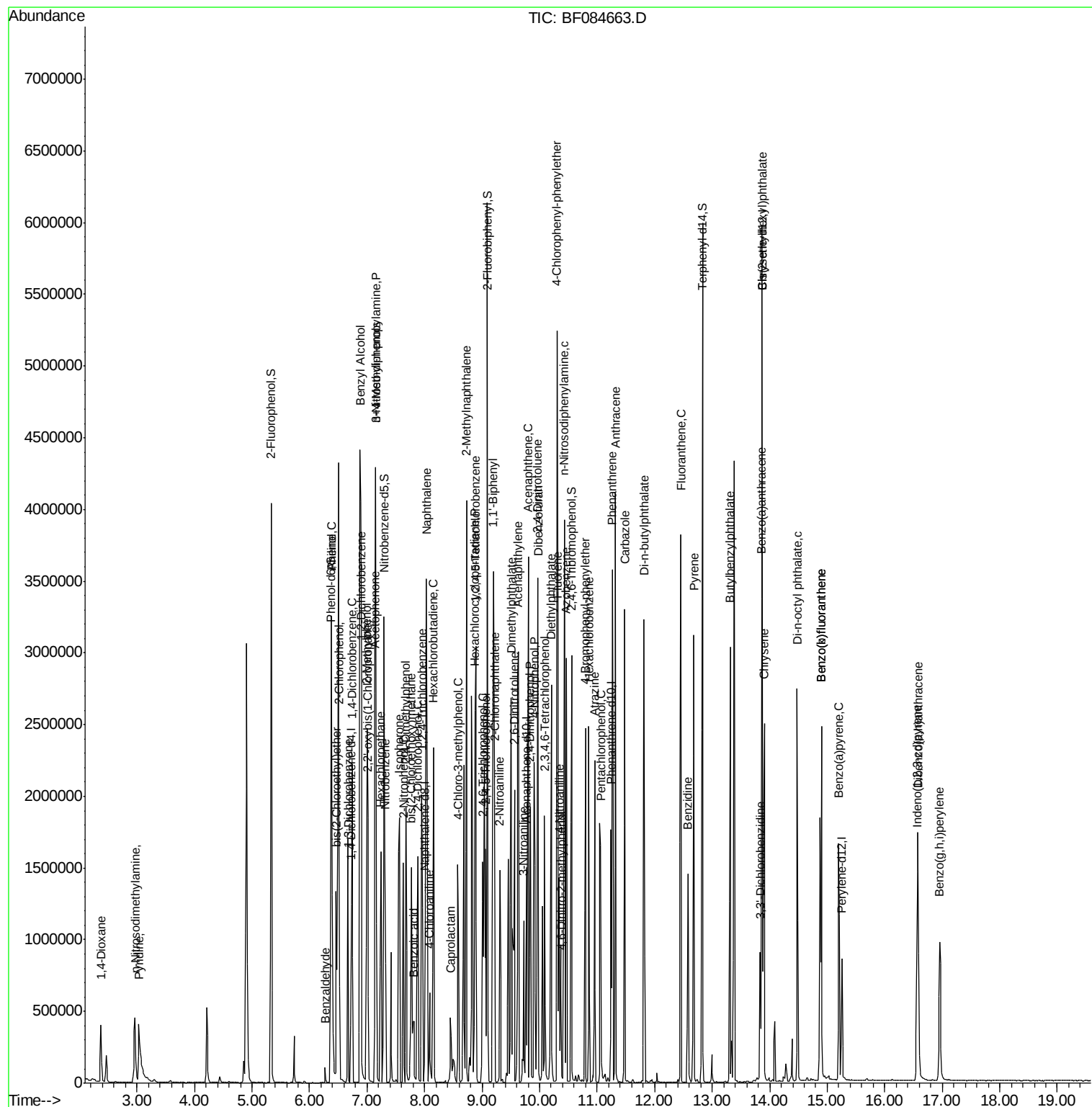
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	271086	39.23	ng	94
43) 2,4,5-Trichlorophenol	9.06	196	292878	41.05	ng	95
45) 1,1'-Biphenyl	9.20	154	1368798	43.54	ng	96
46) 2-Chloronaphthalene	9.22	162	1000136	43.60	ng	# 87
47) 2-Nitroaniline	9.31	65	301657	43.79	ng	98
48) Acenaphthylene	9.63	152	1575483	45.33	ng	98
49) Dimethylphthalate	9.50	163	1273914	49.48	ng	# 90
50) 2,6-Dinitrotoluene	9.56	165	290150	51.22	ng	# 84
51) Acenaphthene	9.80	154	1083555	46.56	ng	99
52) 3-Nitroaniline	9.72	138	155406	26.25	ng	99
53) 2,4-Dinitrophenol	9.84	184	267711	95.77	ng	92
54) Dibenzofuran	9.97	168	1445640	52.05	ng	96
55) 4-Nitrophenol	9.90	139	336543	77.40	ng	# 86
56) 2,4-Dinitrotoluene	9.96	165	345818	46.99	ng	# 88
57) Fluorene	10.32	166	1106723	47.01	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.09	232	235172	43.59	ng	91
59) Diethylphthalate	10.20	149	1226572	48.67	ng	97
60) 4-Chlorophenyl-phenylether	10.30	204	444137	42.02	ng	91
61) 4-Nitroaniline	10.34	138	257604	45.98	ng	93
62) Azobenzene	10.46	77	1181121	48.96	ng	89
64) 4,6-Dinitro-2-methylphenol	10.37	198	169910	41.41	ng	74
65) n-Nitrosodiphenylamine	10.43	169	978120	48.02	ng	99
66) 4-Bromophenyl-phenylether	10.80	248	336568	47.57	ng	# 92
67) Hexachlorobenzene	10.85	284	326929	42.48	ng	# 81
68) Atrazine	10.96	200	289030	47.36	ng	97
69) Pentachlorophenol	11.06	266	318023	85.53	ng	99
70) Phenanthrene	11.26	178	1548279	44.57	ng	97
71) Anthracene	11.32	178	1686902	47.76	ng	99
72) Carbazole	11.48	167	1575315	51.75	ng	99
73) Di-n-butylphthalate	11.81	149	1654570	44.69	ng	# 96
74) Fluoranthene	12.45	202	1693816	49.32	ng	96
76) Benzidine	12.58	184	565153	37.57	ng	98
77) Pyrene	12.68	202	1702835	57.08	ng	99
79) Butylbenzylphthalate	13.31	149	752382	59.03	ng	# 93
80) Benzo(a)anthracene	13.86	228	1214810	49.27	ng	98
81) 3,3'-Dichlorobenzidine	13.84	252	281816	32.48	ng	98
82) Chrysene	13.91	228	1225597	50.43	ng	100
83) Bis(2-ethylhexyl)phthalate	13.87	149	915056	55.35	ng	97
84) Di-n-octyl phthalate	14.48	149	1414878	54.16	ng	# 90
85) Indeno(1,2,3-cd)pyrene	16.57	276	956293	44.50	ng	100
87) Benzo(b)fluoranthene	14.90	252	2001813	89.84	ng	# 98
88) Benzo(k)fluoranthene	14.90	252	2003455	108.86	ng	98
89) Benzo(a)pyrene	15.20	252	914296	47.43	ng	# 95
90) Dibenzo(a,h)anthracene	16.58	278	791253	45.55	ng	98
91) Benzo(g,h,i)perylene	16.96	276	814734	46.46	ng	98

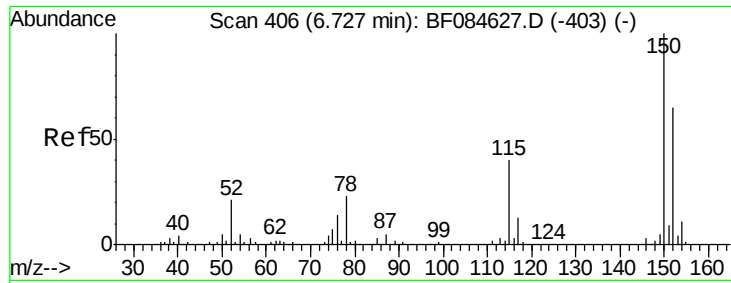
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

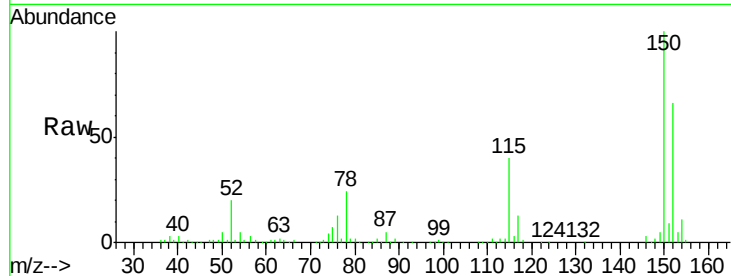
Tgt Ion:152 Resp: 182315

Ion Ratio Lower Upper

152 100

150 151.8 123.0 184.4

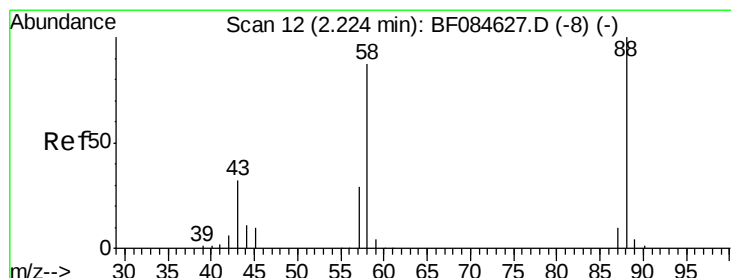
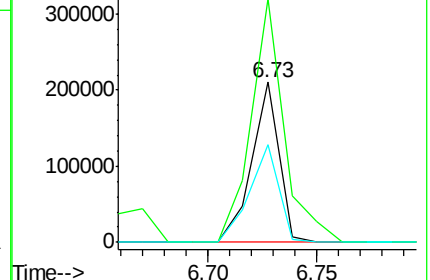
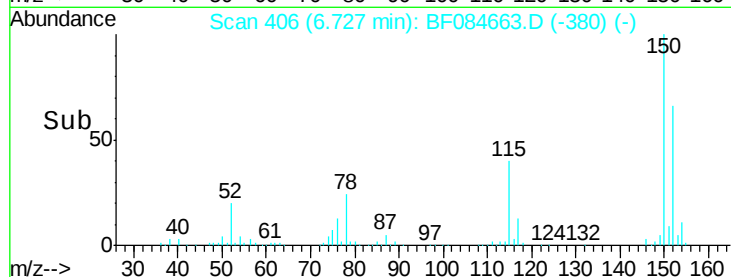
115 60.8 51.4 77.2



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: 29.64 ng

RT: 2.37 min Scan# 25

Delta R.T. 0.15 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

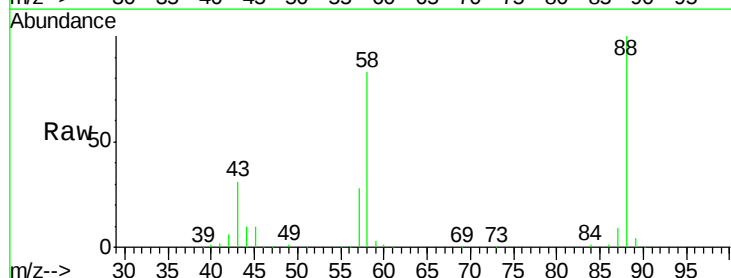
Tgt Ion: 88 Resp: 166952

Ion Ratio Lower Upper

88 100

58 84.5 51.2 76.8#

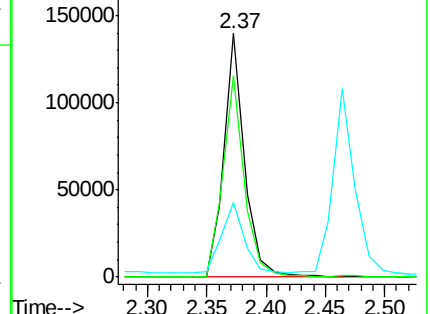
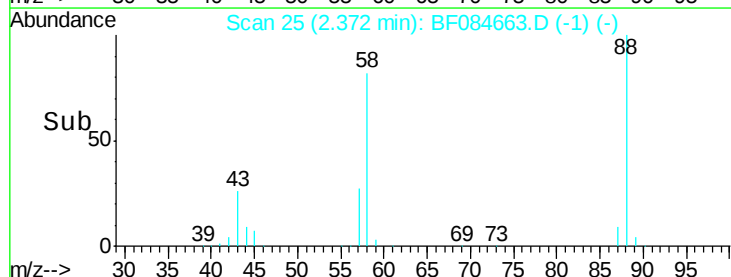
43 31.5 19.5 29.3#

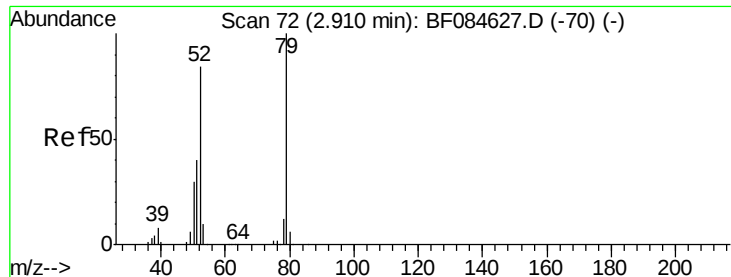


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 23.86 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.13 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

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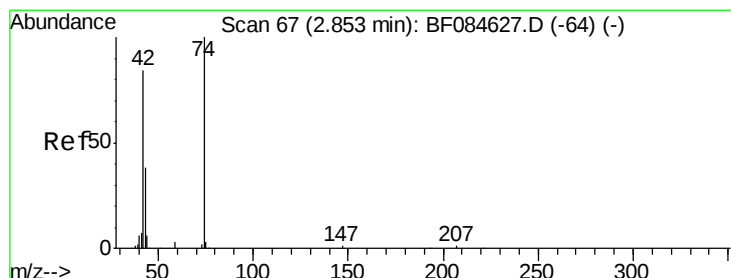
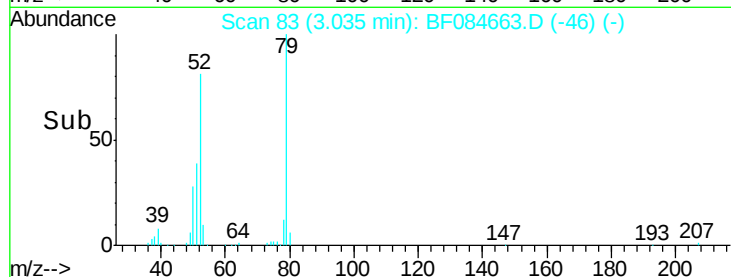
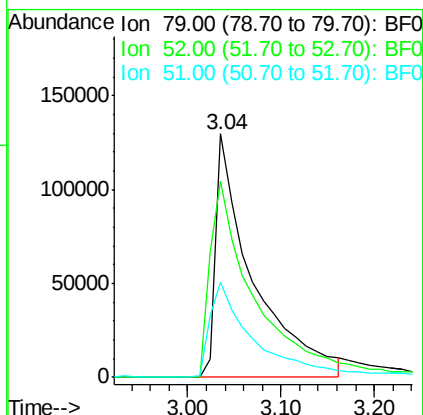
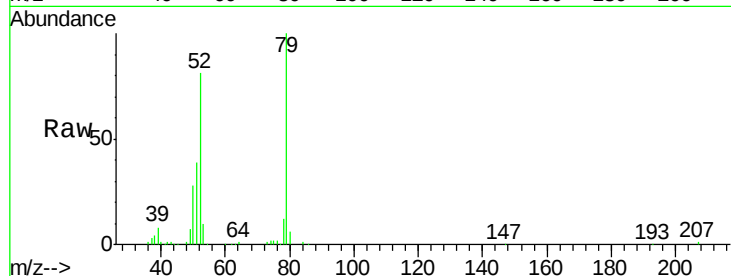
Tgt Ion: 79 Resp: 357987

Ion Ratio Lower Upper

79 100

52 80.6 49.0 73.4#

51 39.2 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 34.63 ng

RT: 2.97 min Scan# 77

Delta R.T. 0.11 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

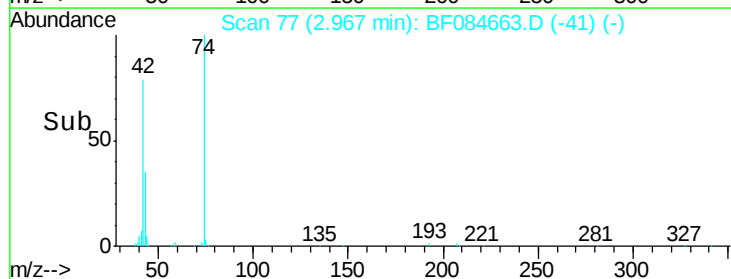
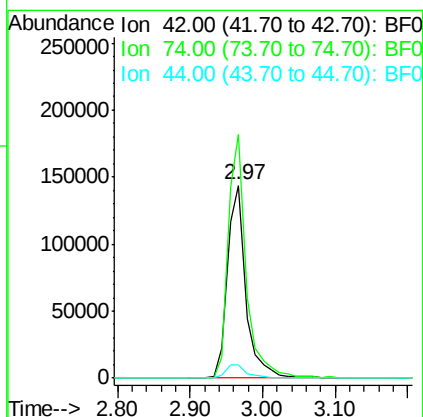
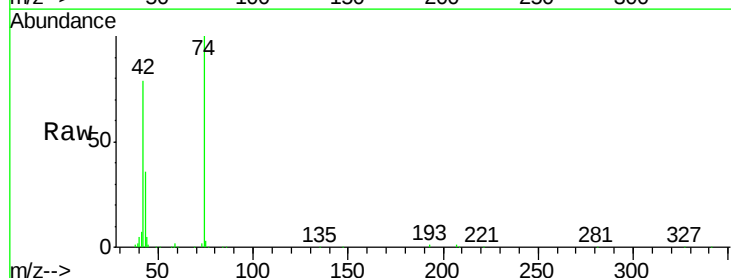
Tgt Ion: 42 Resp: 254069

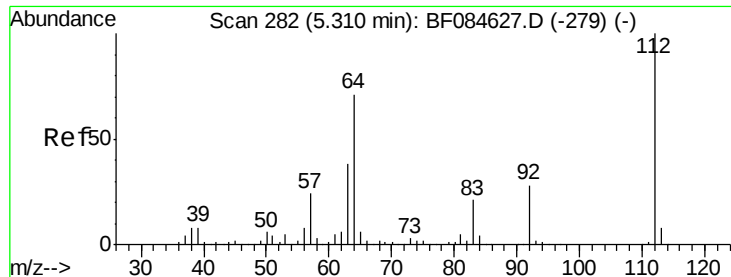
Ion Ratio Lower Upper

42 100

74 126.5 115.7 173.5

44 6.9 5.1 7.7





#5

2-Fluorophenol

Concen: 88.64 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF084663.D

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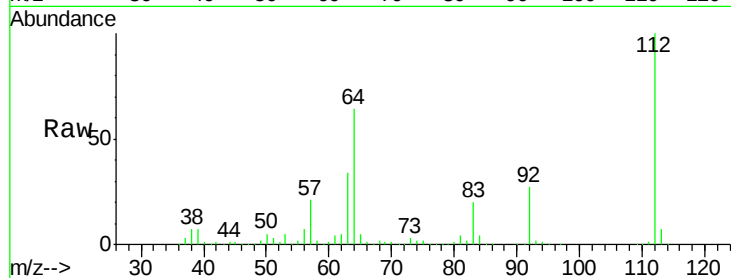
Tgt Ion: 112 Resp: 1070583

Ion Ratio Lower Upper

112 100

64 64.4 36.6 55.0#

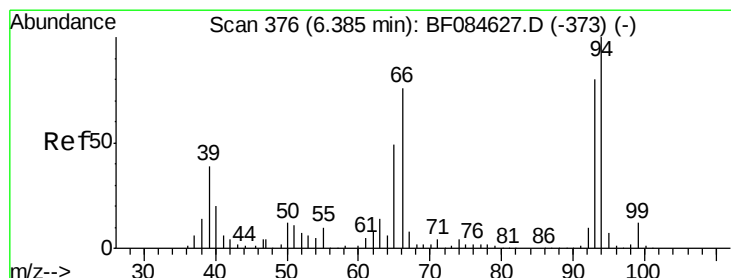
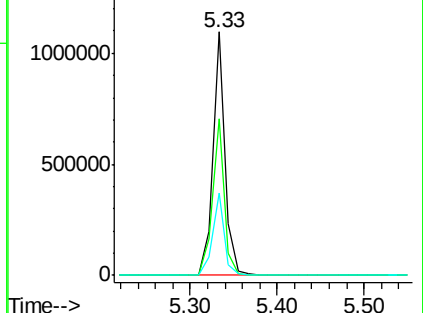
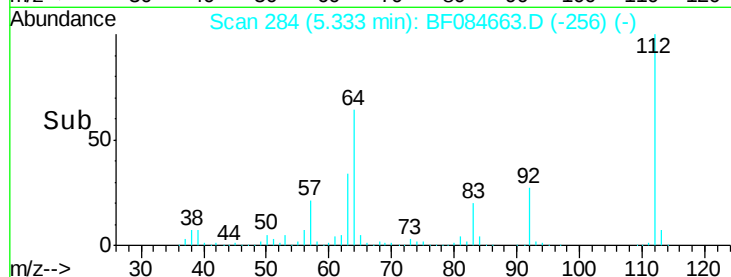
63 34.1 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 27.87 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

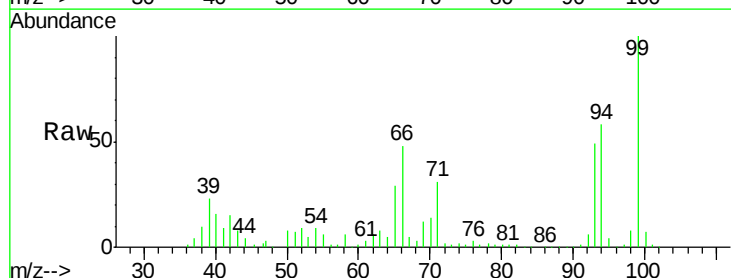
Tgt Ion: 93 Resp: 517814

Ion Ratio Lower Upper

93 100

66 97.9 44.9 67.3#

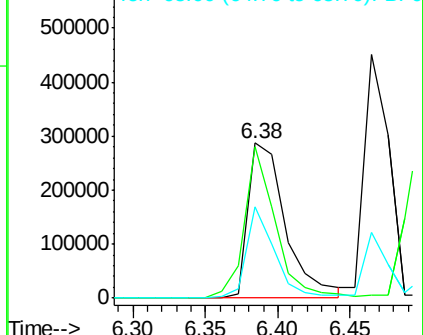
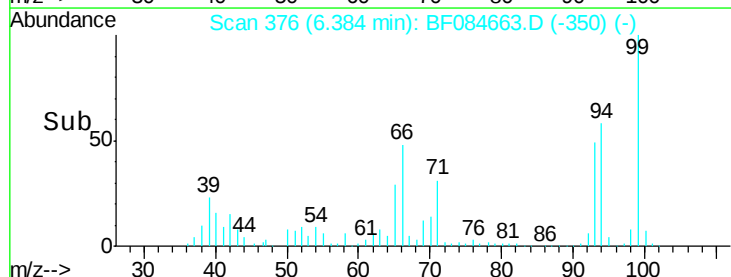
65 59.2 23.7 35.5#

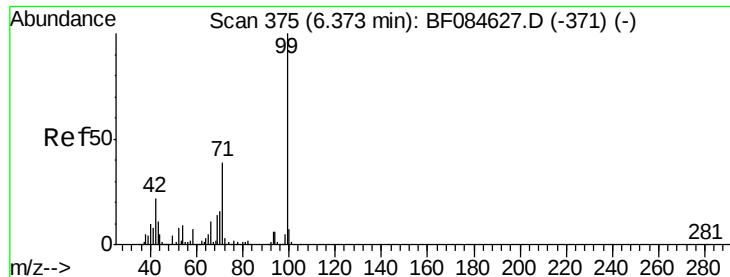


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 87.38 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

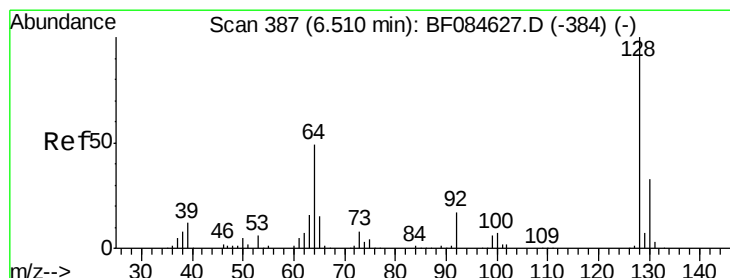
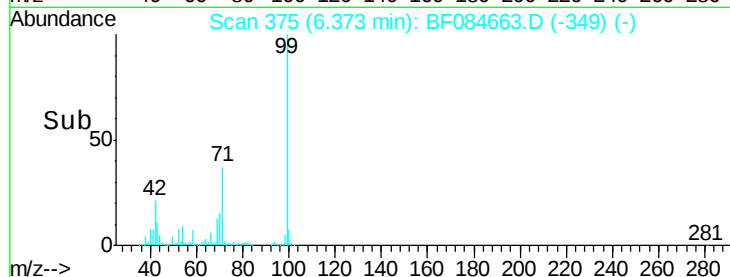
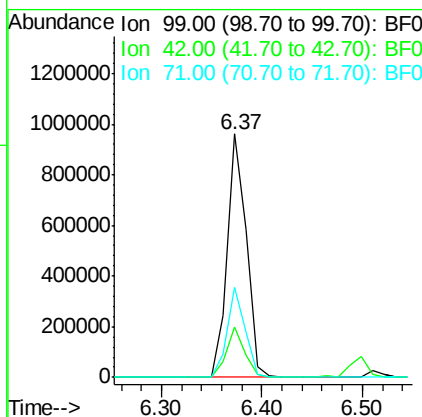
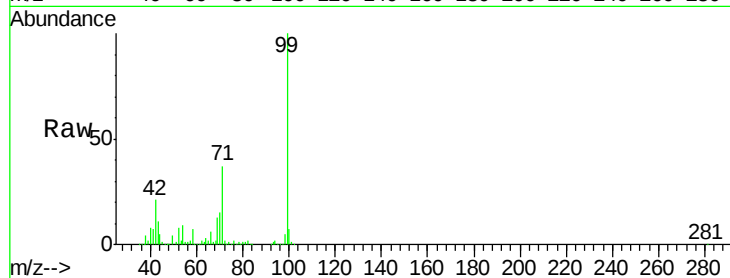
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Tgt Ion: 99 Resp: 1264892

Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	37.2	30.9	46.3



#8

2-Chlorophenol

Concen: 34.85 ng

RT: 6.51 min Scan# 387

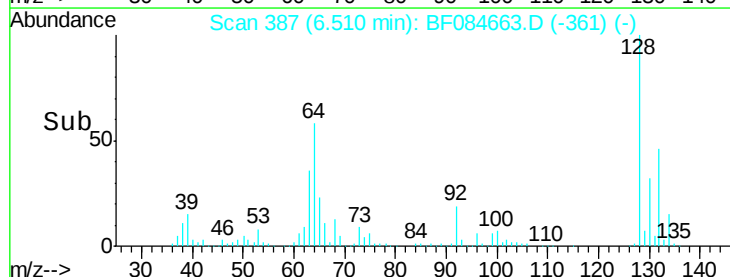
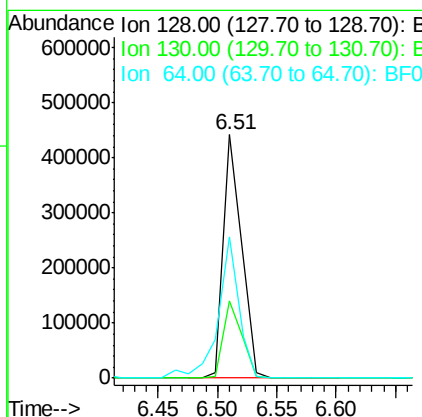
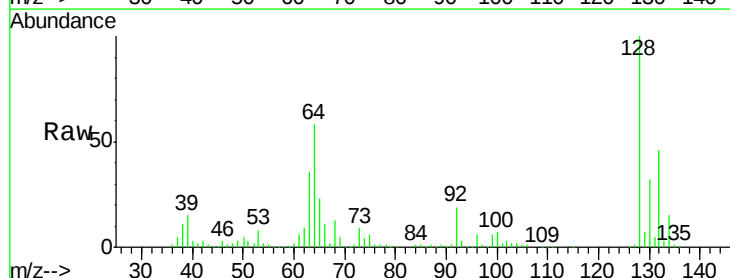
Delta R.T. -0.00 min

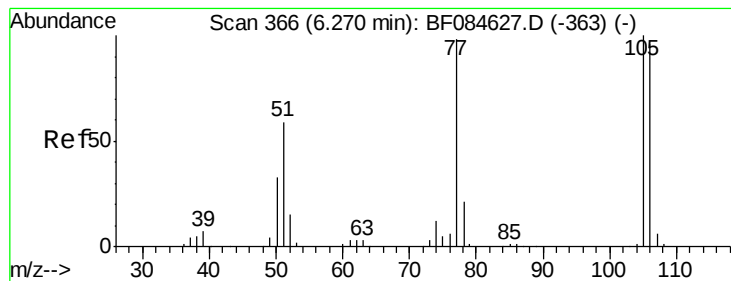
Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion: 128 Resp: 466836

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	57.9	23.8	63.8





#9

Benzaldehyde

Concen: 2.30 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF084663.D

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Instrument :

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ClientSampleId :

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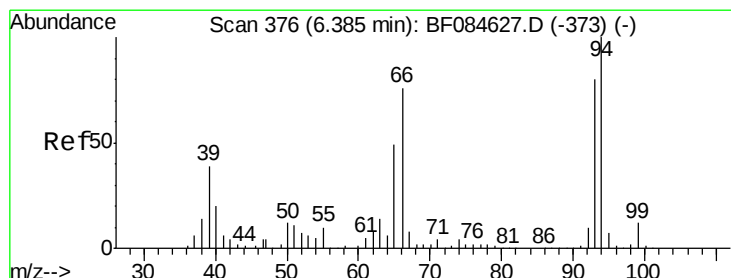
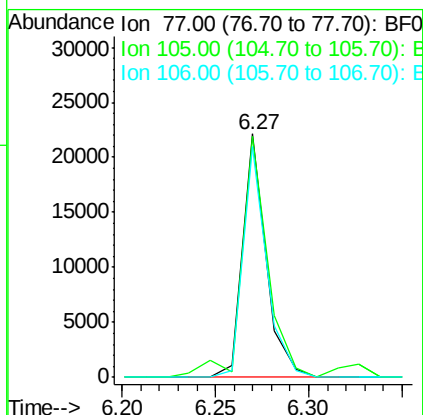
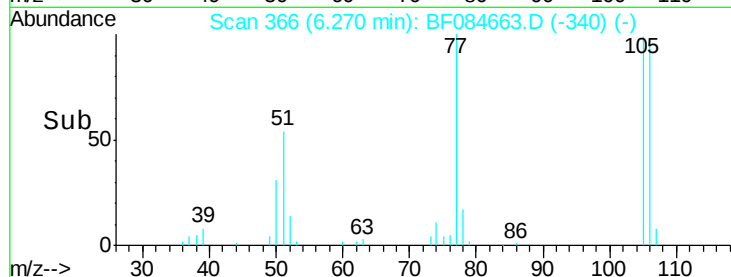
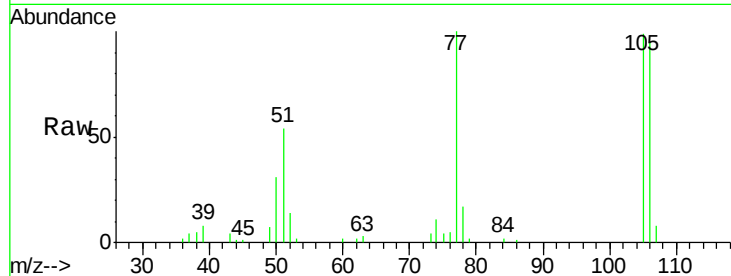
Tgt Ion: 77 Resp: 19256

Ion Ratio Lower Upper

77 100

105 99.0 83.0 123.0

106 95.0 74.6 114.6



#10

Phenol

Concen: 27.01 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

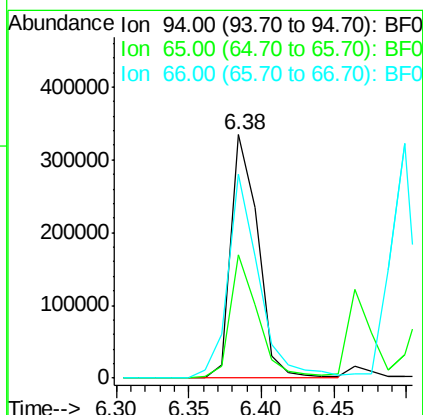
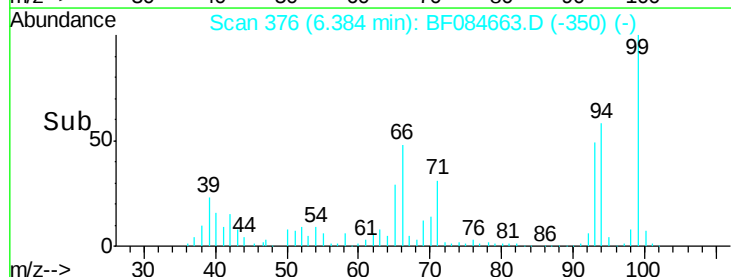
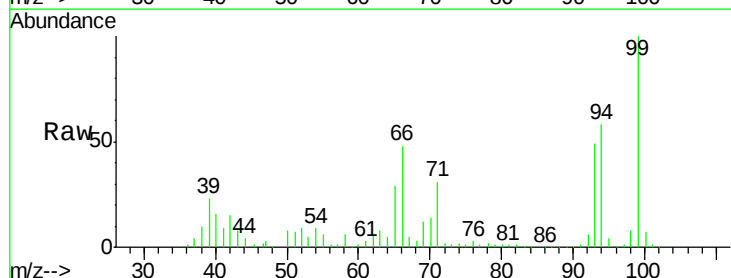
Tgt Ion: 94 Resp: 435706

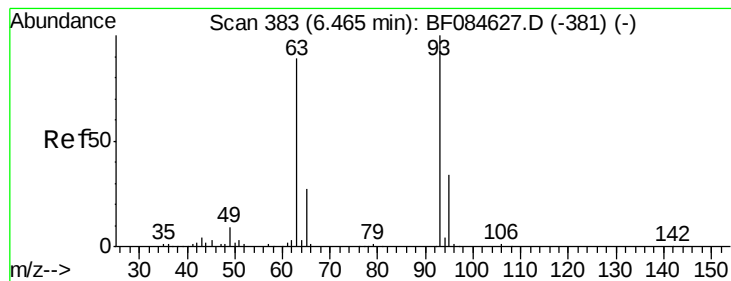
Ion Ratio Lower Upper

94 100

65 50.7 12.9 52.9

66 83.9 32.7 72.7#





#11

bis(2-Chloroethyl)ether

Concen: 42.77 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

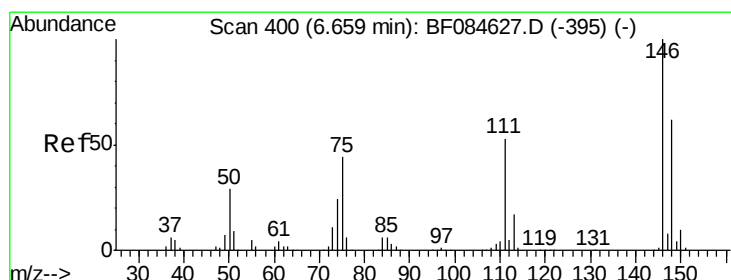
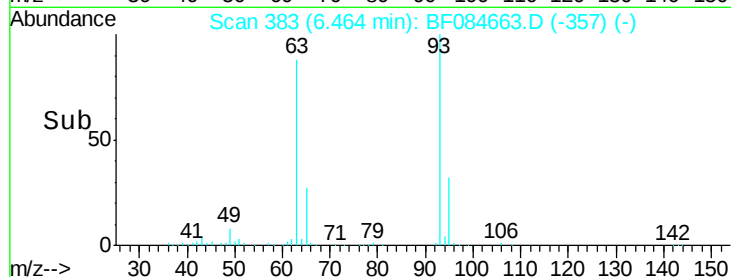
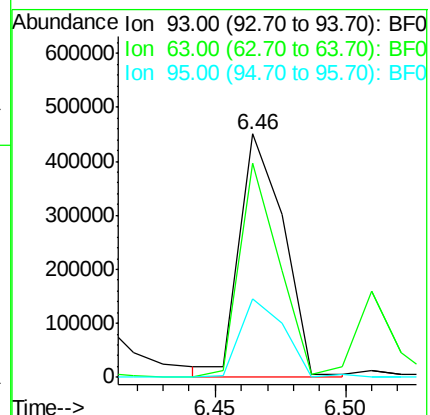
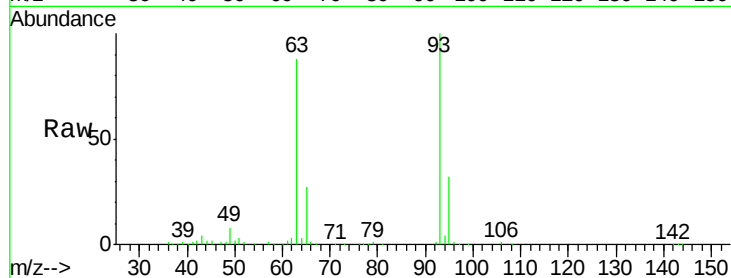
Tgt Ion: 93 Resp: 536737

Ion Ratio Lower Upper

93 100

63 87.7 45.9 85.9#

95 32.1 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 37.24 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

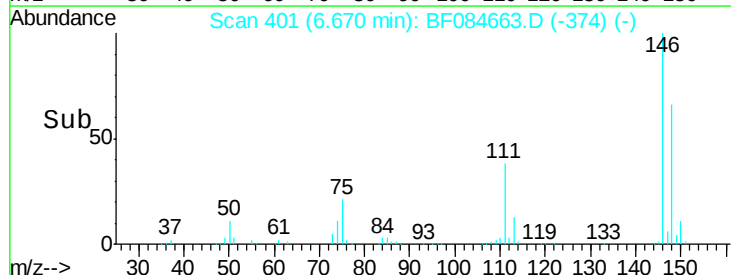
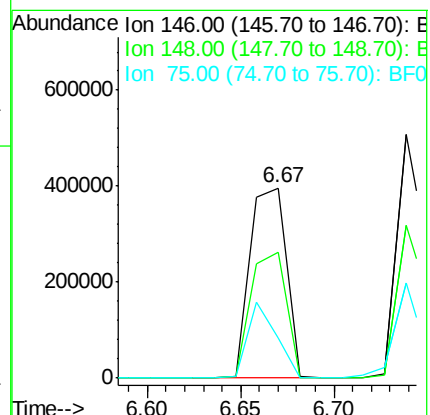
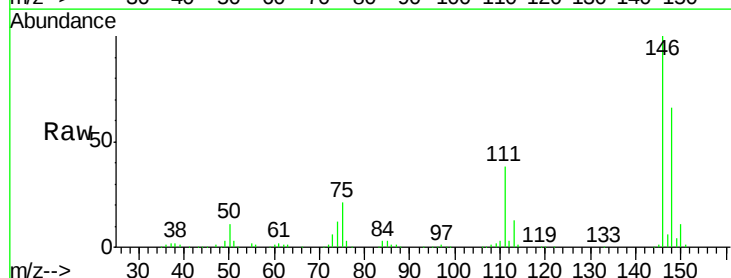
Tgt Ion: 146 Resp: 534560

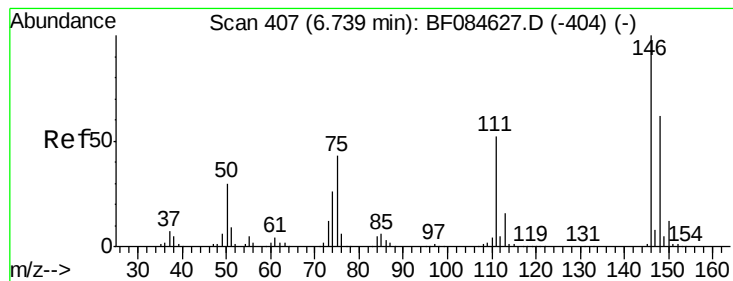
Ion Ratio Lower Upper

146 100

148 66.2 51.9 77.9

75 21.4 20.5 30.7





#13

1,4-Dichlorobenzene

Concen: 38.45 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

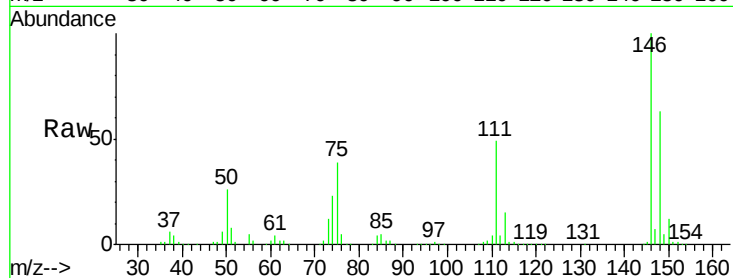
Tgt Ion:146 Resp: 541594

Ion Ratio Lower Upper

146 100

148 62.6 51.9 77.9

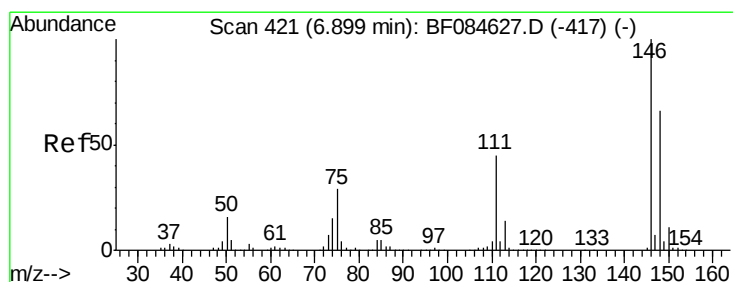
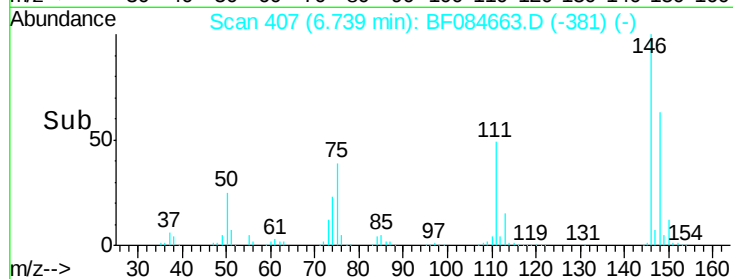
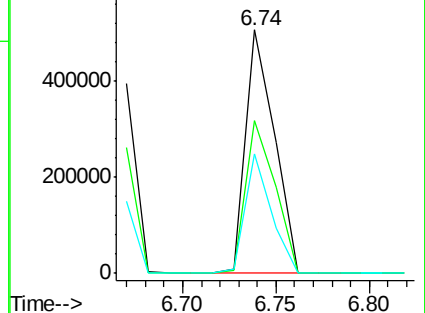
111 48.8 41.6 62.4



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: 42.17 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

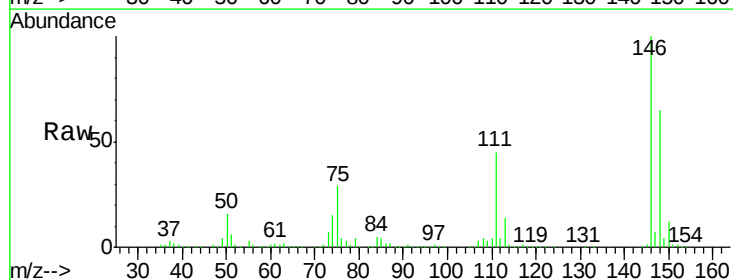
Tgt Ion:146 Resp: 546958

Ion Ratio Lower Upper

146 100

148 64.9 51.6 77.4

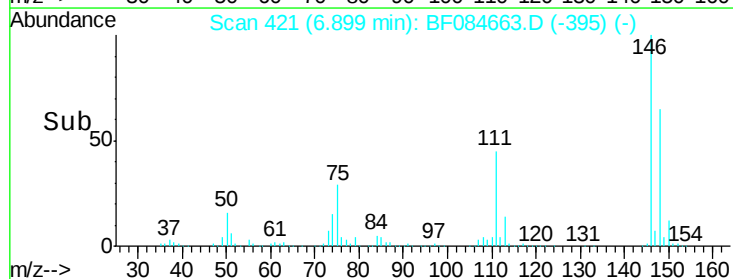
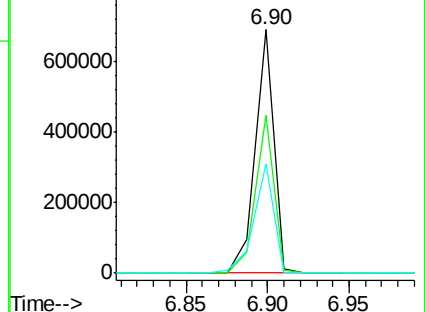
111 44.9 38.0 57.0

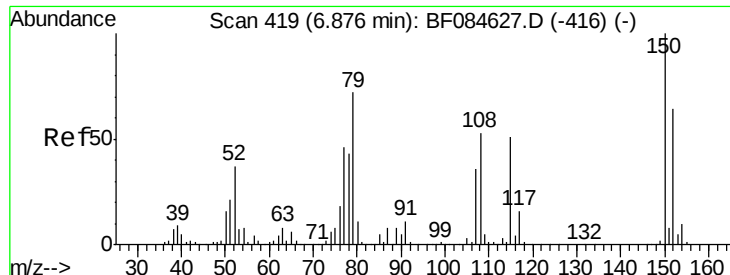


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

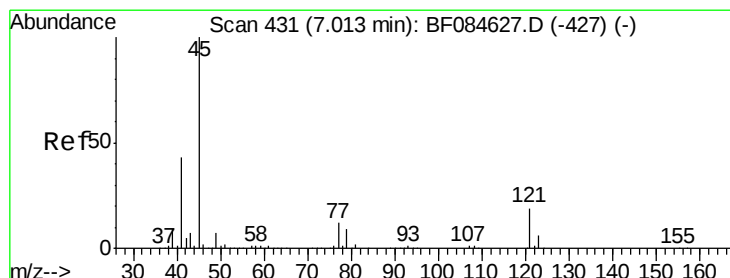
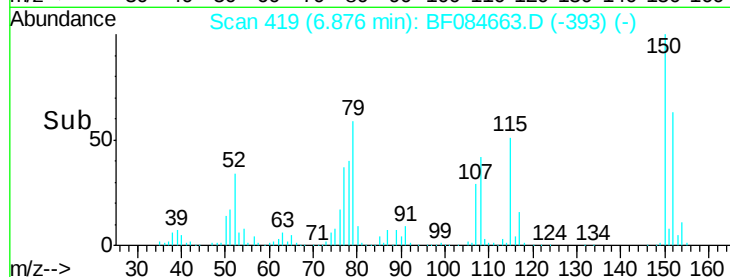
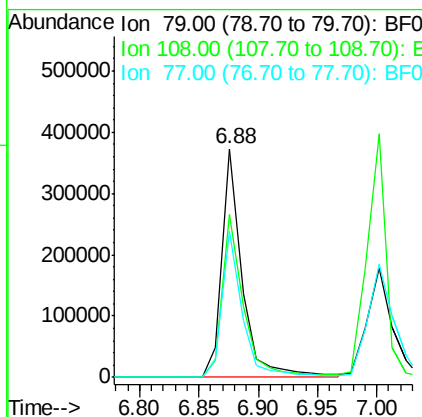
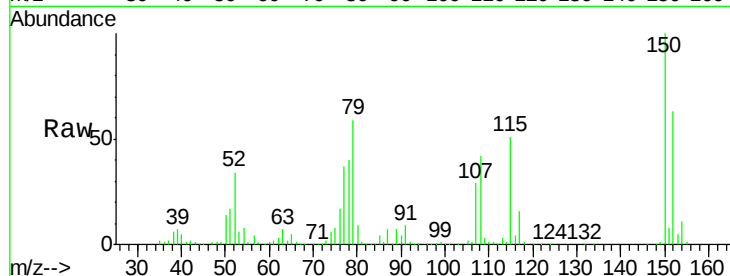




#15
Benzyl Alcohol
Concen: 44.74 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

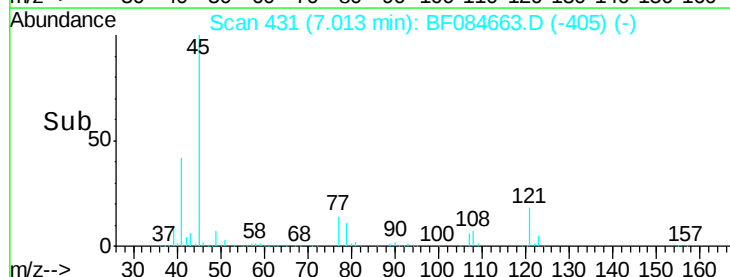
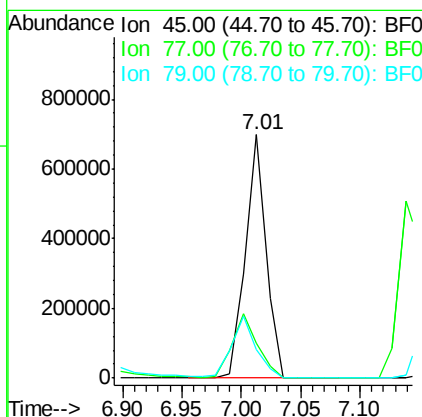
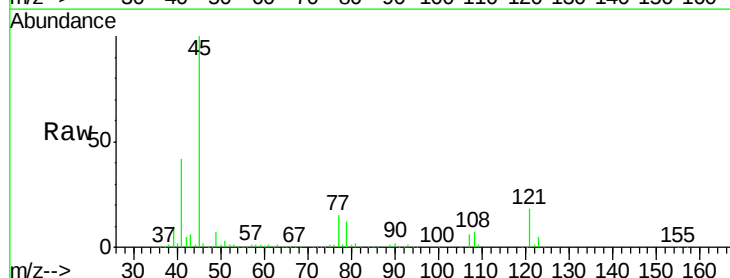
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

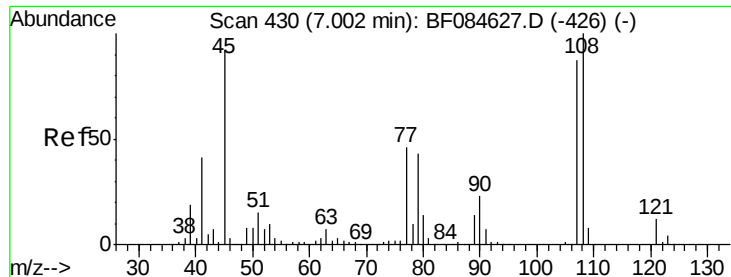
Tgt Ion: 79 Resp: 440860
Ion Ratio Lower Upper
79 100
108 71.1 69.0 103.4
77 63.7 50.0 75.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.50 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion: 45 Resp: 848263
Ion Ratio Lower Upper
45 100
77 14.5 0.0 39.6
79 11.8 0.0 35.0

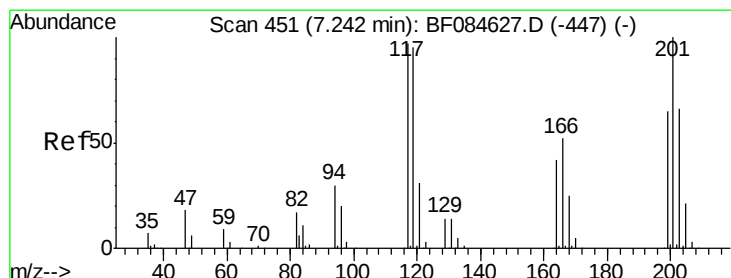
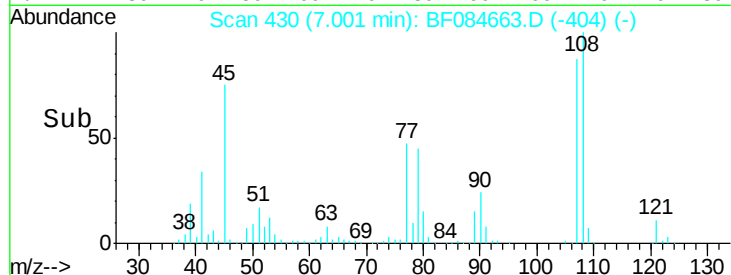
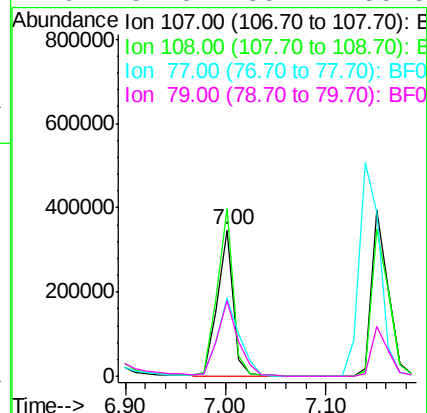
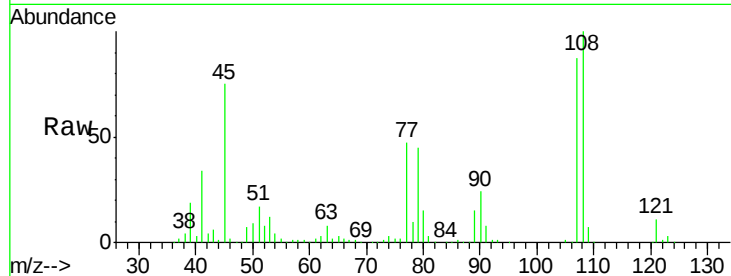




#17
2-Methylphenol
Concen: 37.01 ng
RT: 7.00 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

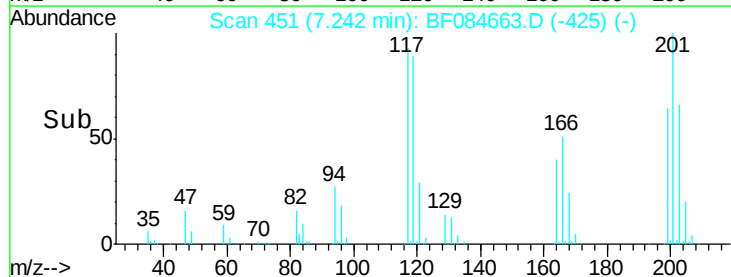
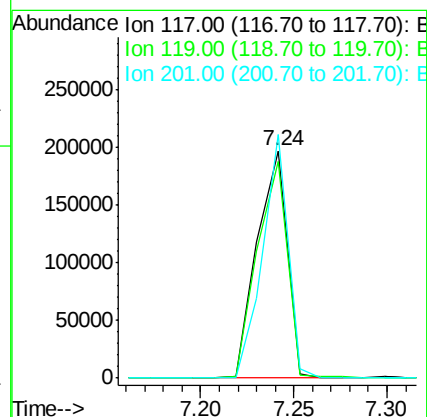
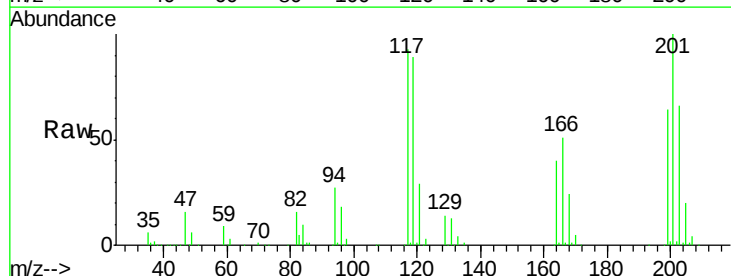
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

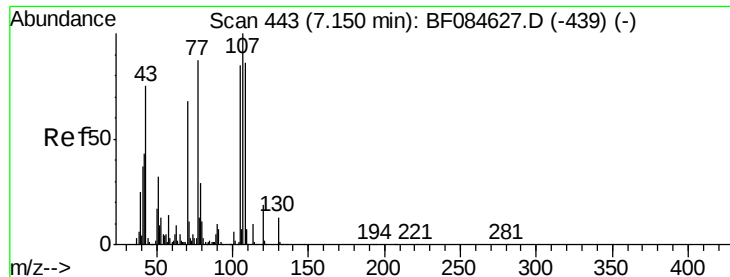
Tgt Ion:107 Resp: 384336
Ion Ratio Lower Upper
107 100
108 114.4 89.8 134.6
77 53.3 35.7 53.5
79 51.3 35.7 53.5



#18
Hexachloroethane
Concen: 39.85 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion:117 Resp: 219610
Ion Ratio Lower Upper
117 100
119 95.1 77.4 116.0
201 107.0 68.6 103.0#

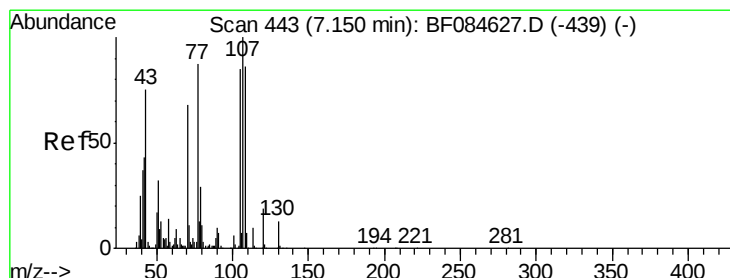
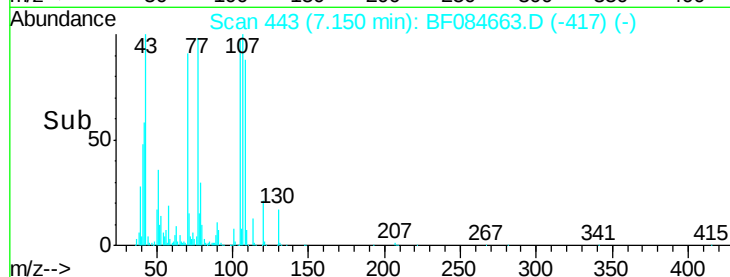
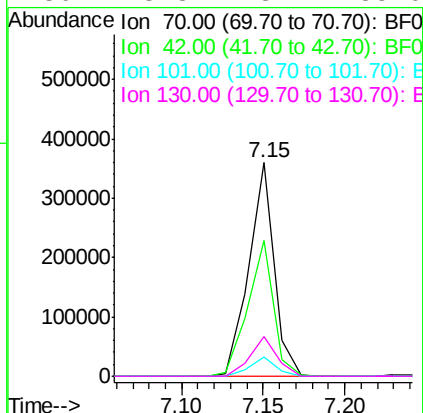
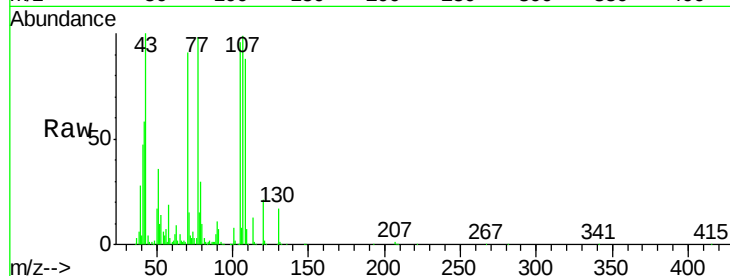




#19
n-Nitroso-di-n-propylamine
Concen: 43.85 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

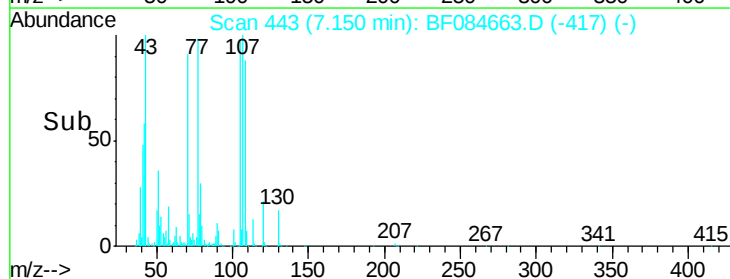
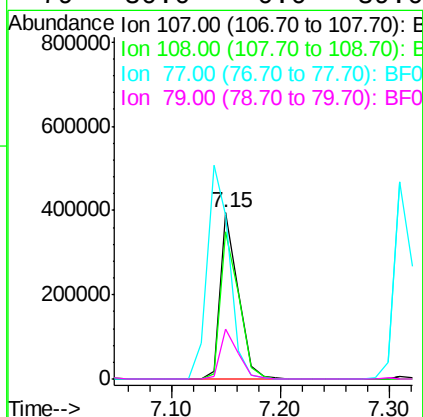
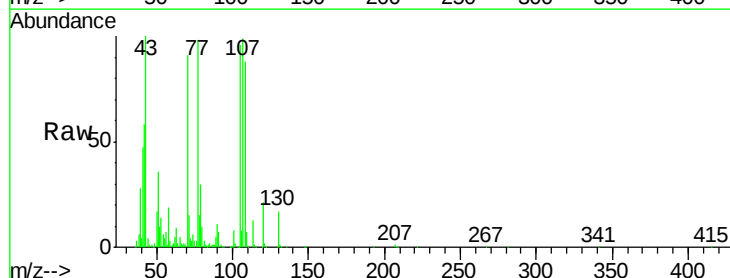
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

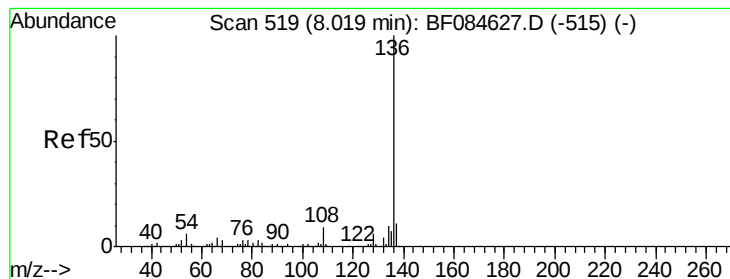
Tgt Ion: 70 Resp: 387694
Ion Ratio Lower Upper
70 100
42 63.8 33.3 49.9#
101 9.1 9.3 13.9#
130 18.8 23.4 35.0#



#20
3+4-Methylphenols
Concen: 35.98 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion: 107 Resp: 453465
Ion Ratio Lower Upper
107 100
108 88.3 74.6 114.6
77 98.8 0.7 40.7#
79 30.0 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tgt Ion:136 Resp: 709836

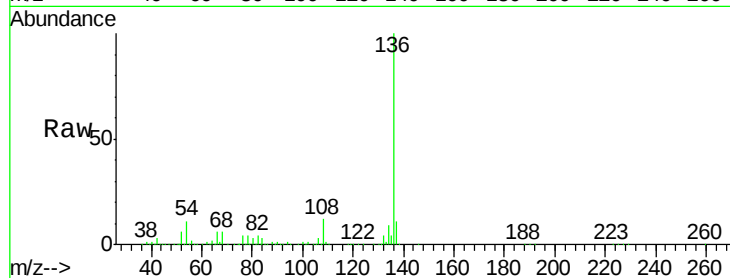
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 10.7 5.8 8.8#

68 5.6 4.2 6.2

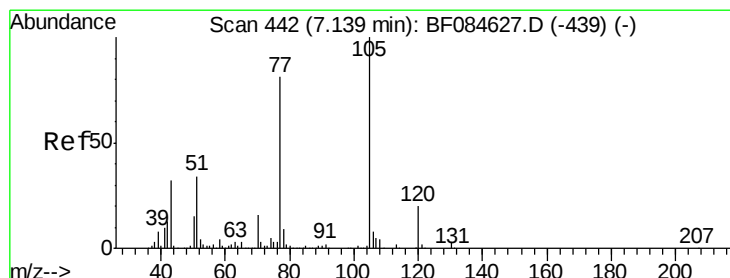
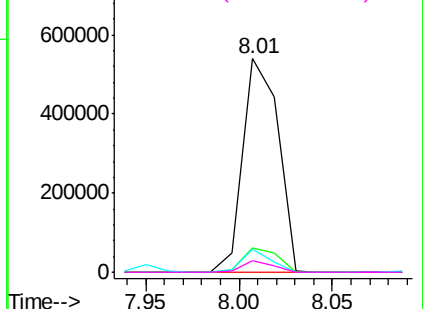
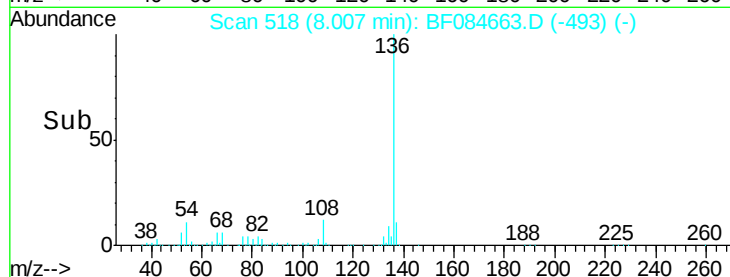


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 41.93 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:105 Resp: 777234

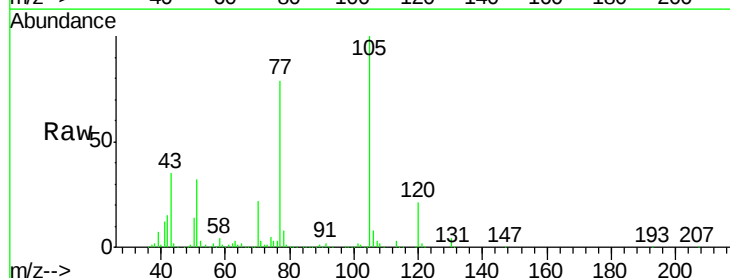
Ion Ratio Lower Upper

105 100

71 3.3 3.7 5.5#

51 32.2 25.1 37.7

120 20.6 16.6 25.0

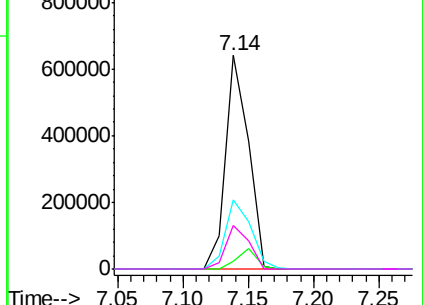
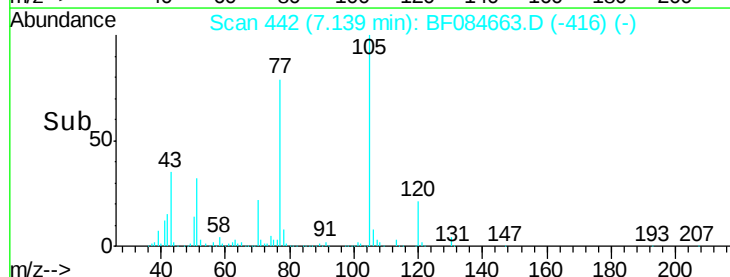


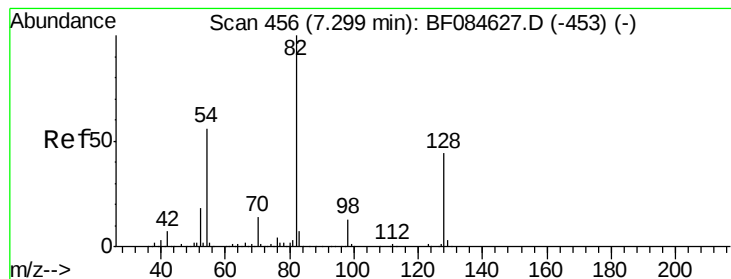
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 94.80 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

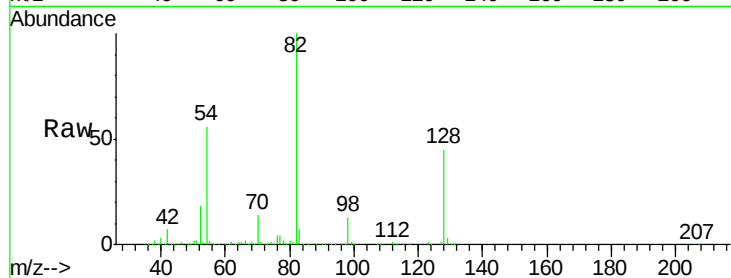
BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tgt Ion: 82 Resp: 1204137

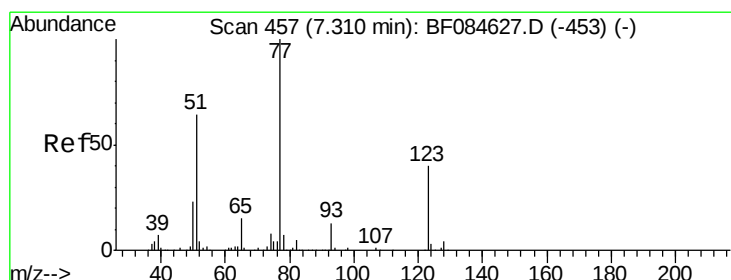
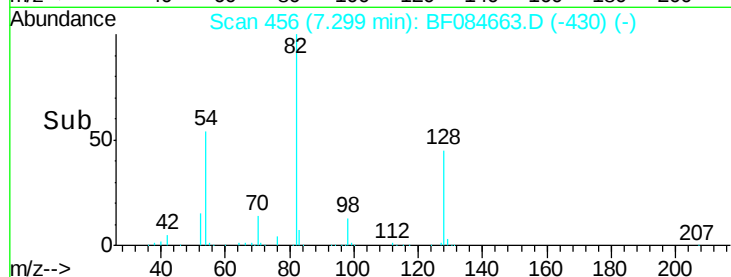
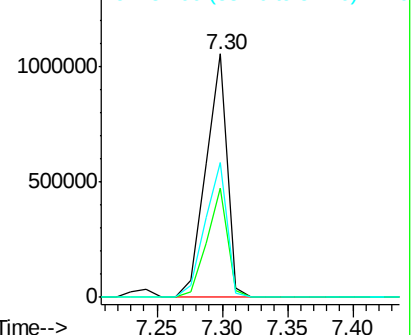
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	51.8
54	55.5	38.4	57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 39.62 ng

RT: 7.31 min Scan# 457

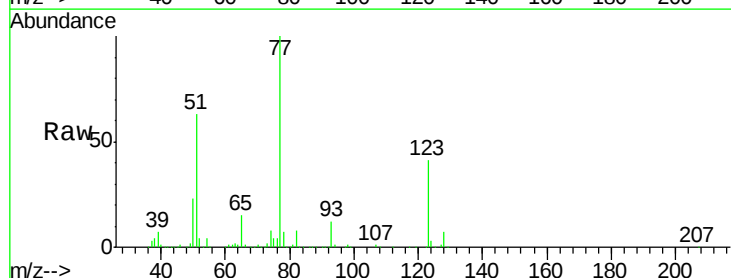
Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion: 77 Resp: 534863

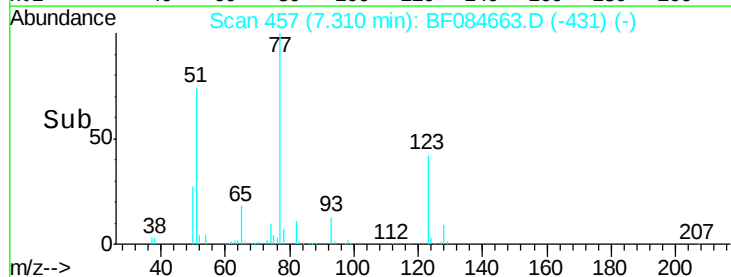
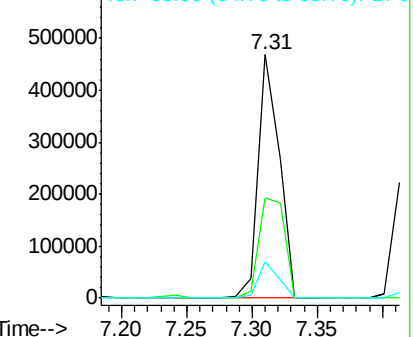
Ion	Ratio	Lower	Upper
77	100		
123	41.1	37.4	56.2
65	14.8	10.9	16.3

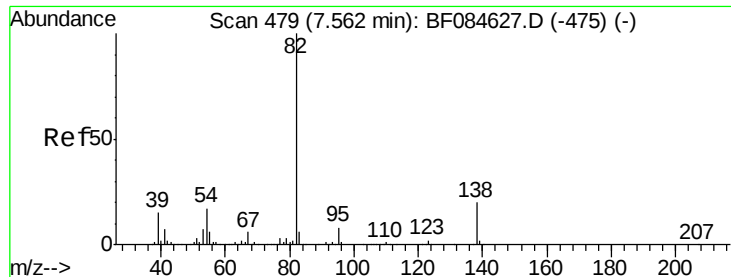


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 46.55 ng

RT: 7.56 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

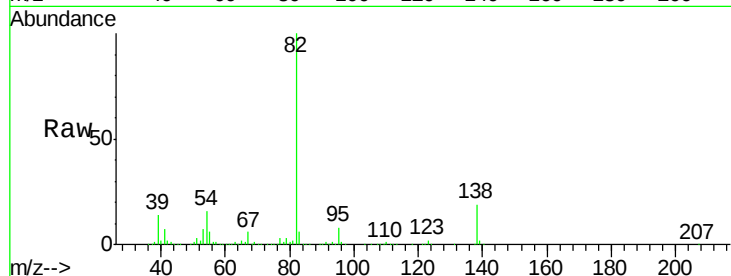
Tgt Ion: 82 Resp: 1107785

Ion Ratio Lower Upper

82 100

95 7.6 6.6 10.0

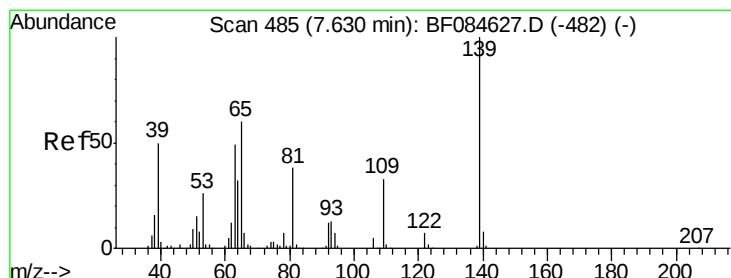
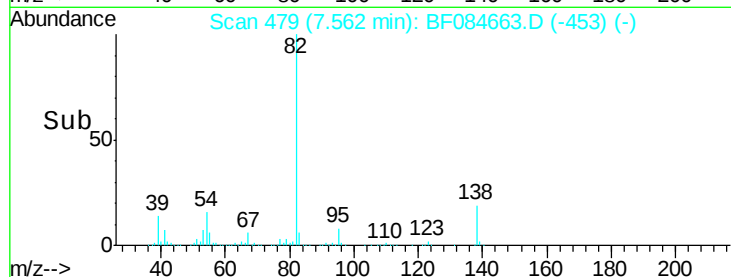
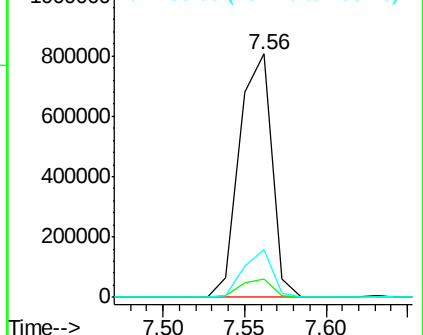
138 19.4 13.6 20.4



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: 39.07 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

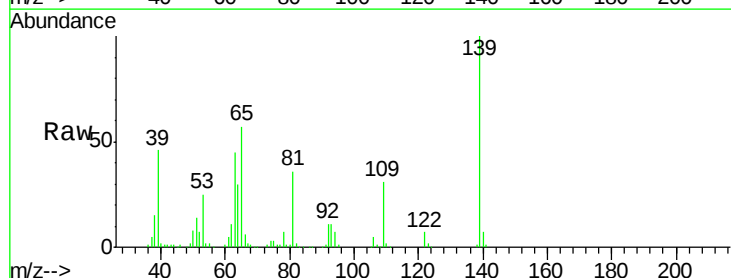
Tgt Ion: 139 Resp: 250806

Ion Ratio Lower Upper

139 100

109 31.2 25.4 38.2

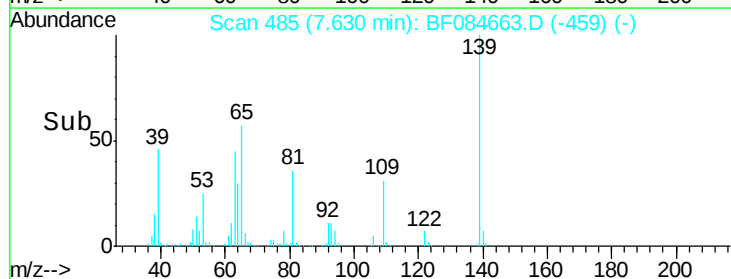
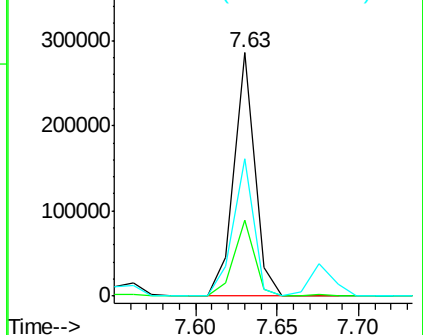
65 56.5 32.3 48.5#

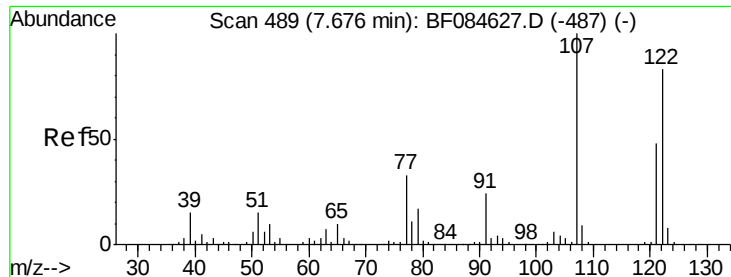


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

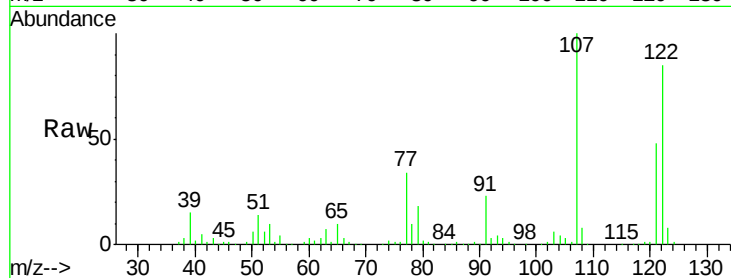




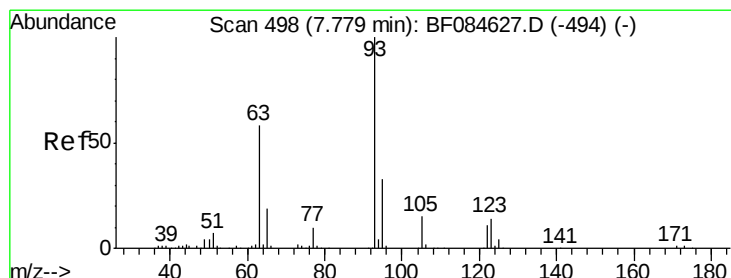
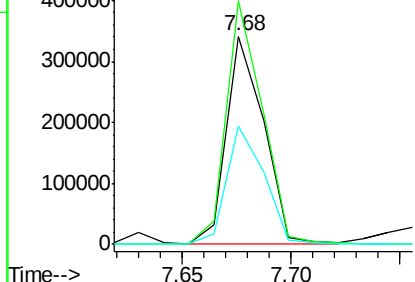
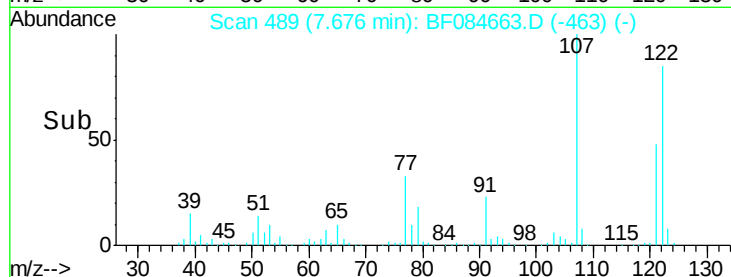
#27
 2,4-Dimethylphenol
 Concen: 36.27 ng
 RT: 7.68 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tgt Ion:122 Resp: 408069
 Ion Ratio Lower Upper
 122 100
 107 117.1 99.1 148.7
 121 56.6 47.9 71.9

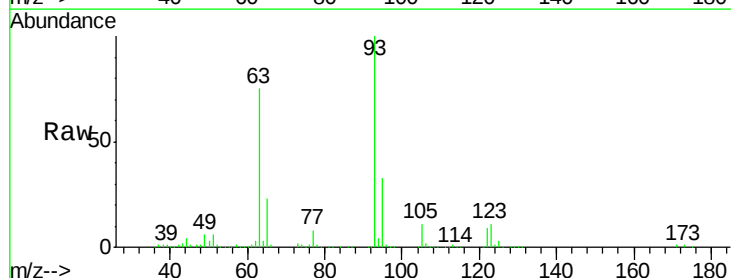


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

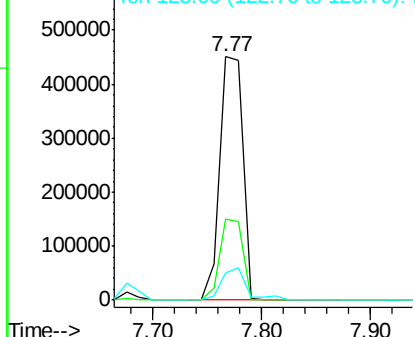
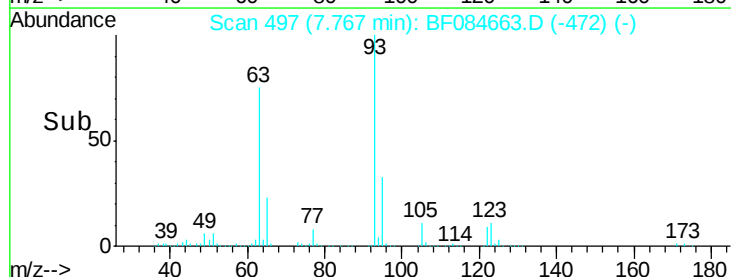


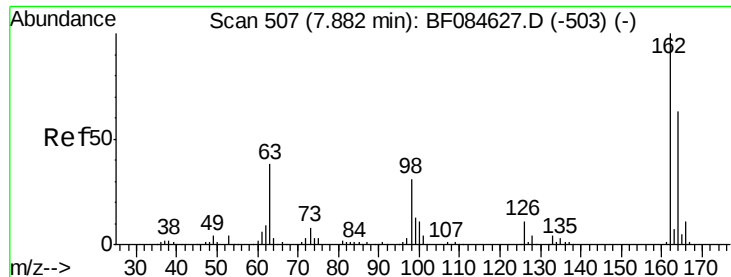
#28
 bis(2-Chloroethoxy)methane
 Concen: 46.50 ng
 RT: 7.77 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion: 93 Resp: 664067
 Ion Ratio Lower Upper
 93 100
 95 33.4 25.8 38.6
 123 11.0 8.6 12.8



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

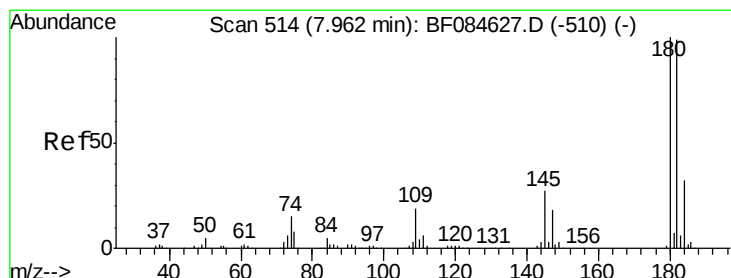
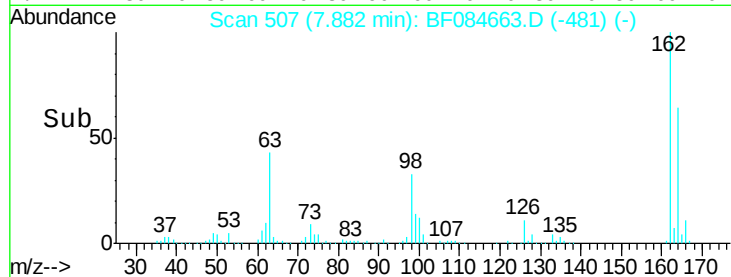
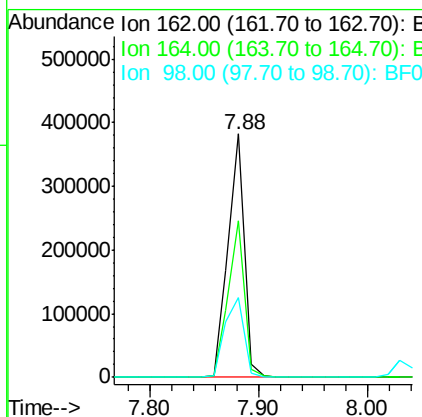
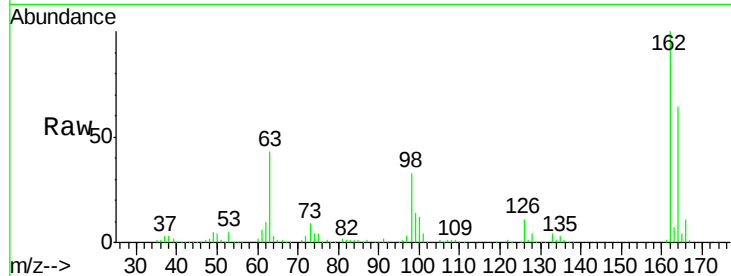




#29
 2,4-Dichlorophenol
 Concen: 40.43 ng
 RT: 7.88 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

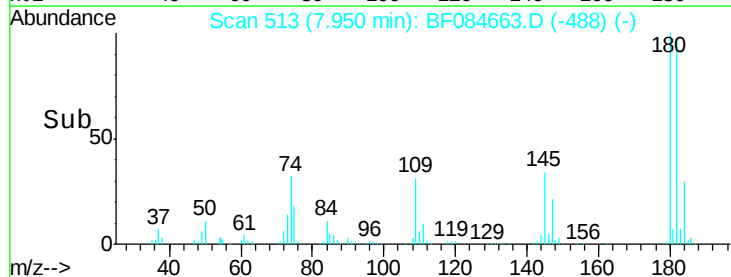
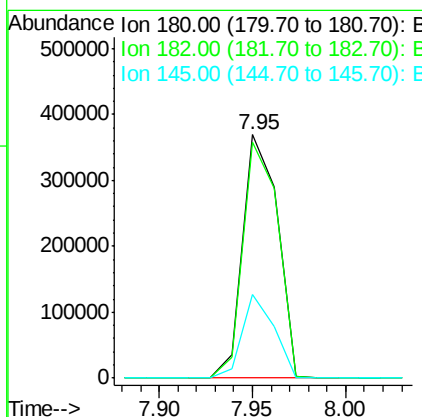
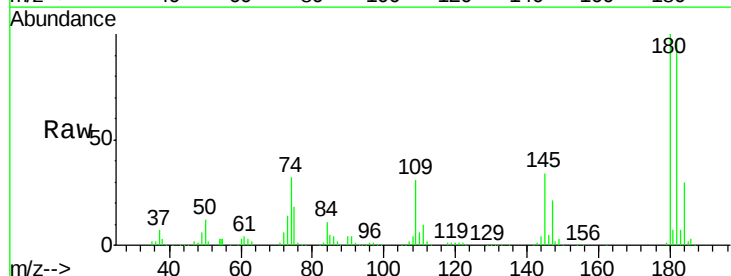
Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

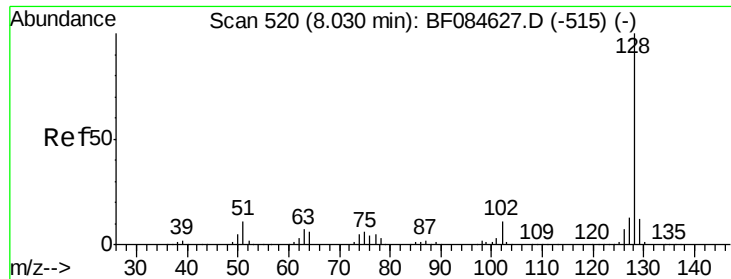
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	397855		
164	64.2		44.1	84.1
98	32.6		20.2	60.2



#30
 1,2,4-Trichlorobenzene
 Concen: 42.48 ng
 RT: 7.95 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	477985		
182	96.7		76.4	114.6
145	34.4		31.6	47.4

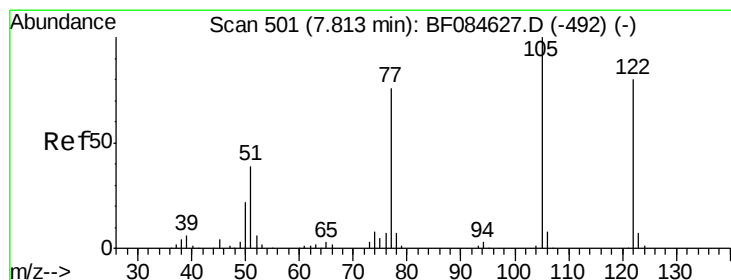
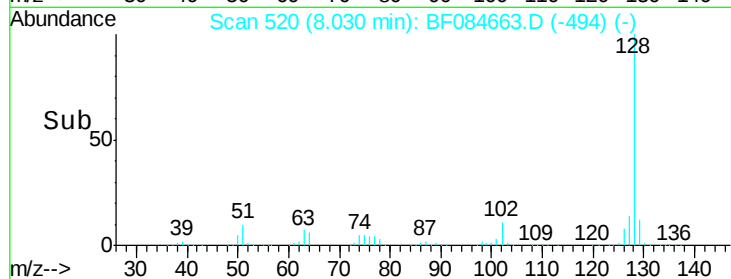
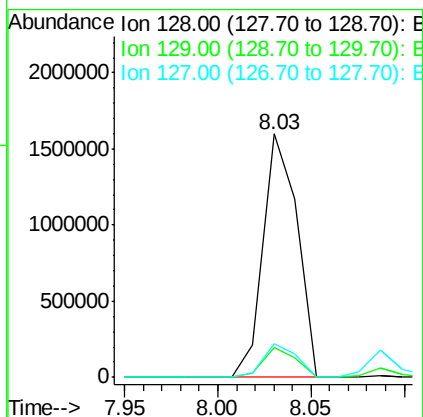
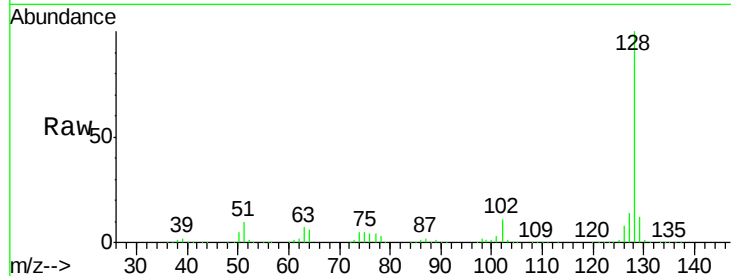




#31
Naphthalene
Concen: 57.17 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

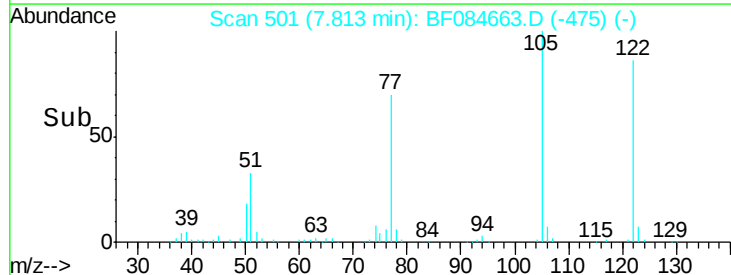
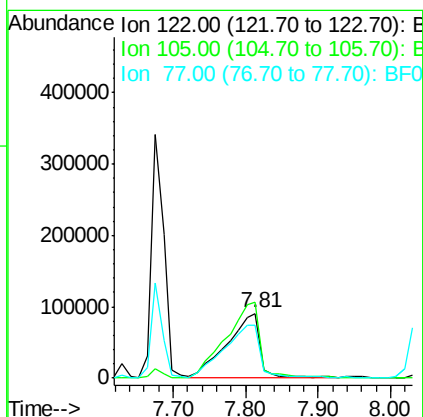
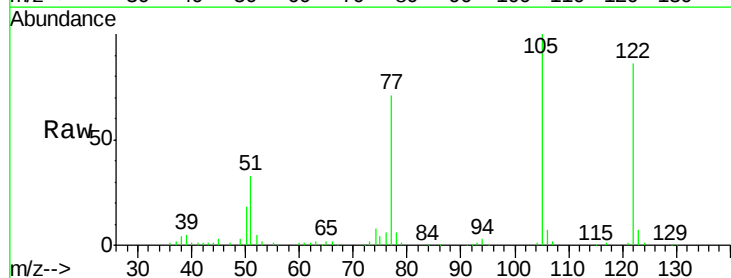
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

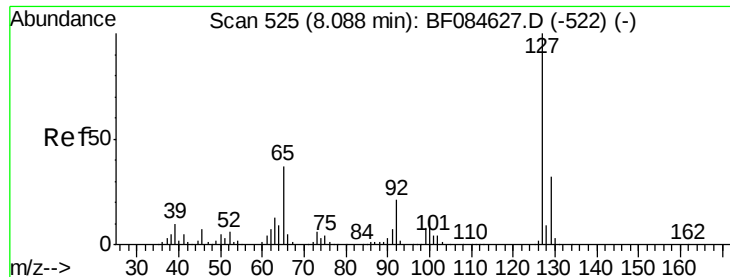
Tgt Ion:128 Resp: 2048641
Ion Ratio Lower Upper
128 100
129 12.1 9.1 13.7
127 13.8 11.1 16.7



#32
Benzoic acid
Concen: 32.80 ng
RT: 7.81 min Scan# 501
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion:122 Resp: 283271
Ion Ratio Lower Upper
122 100
105 116.5 100.3 140.3
77 82.2 63.5 103.5

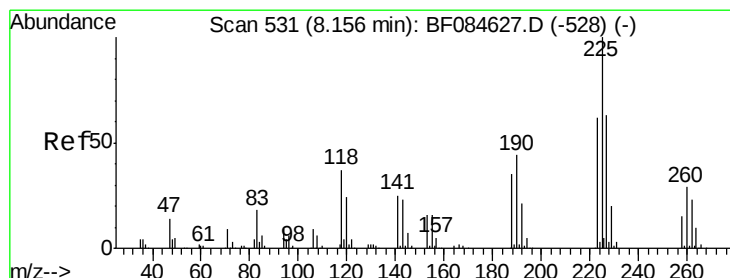
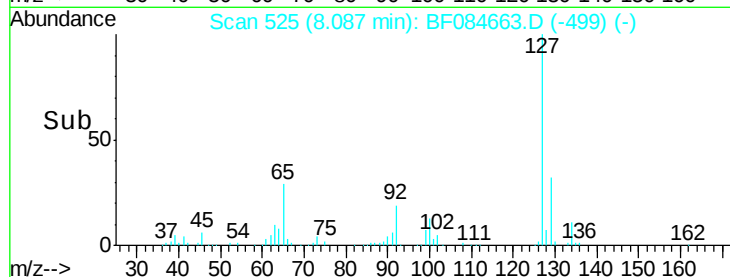
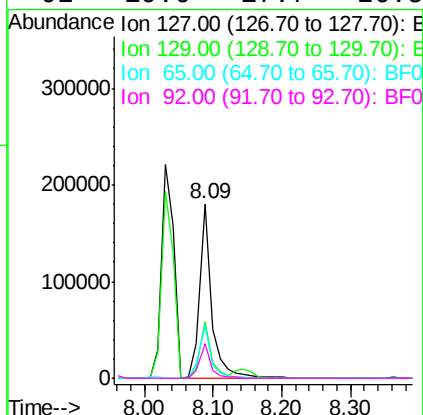
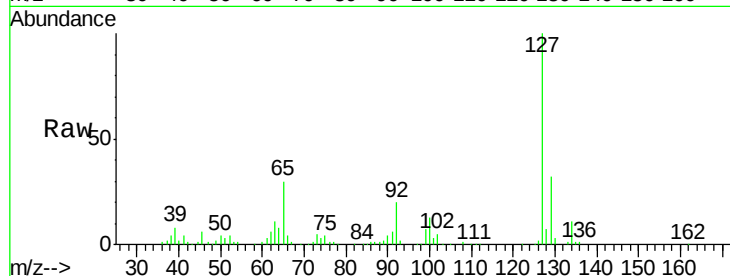




#33
4-Chloroaniline
Concen: 14.77 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

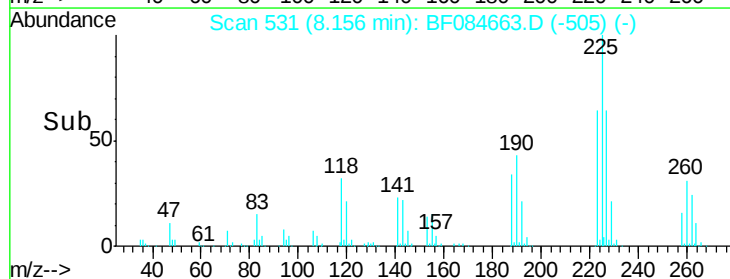
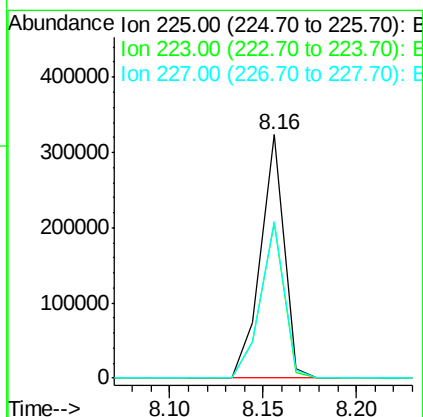
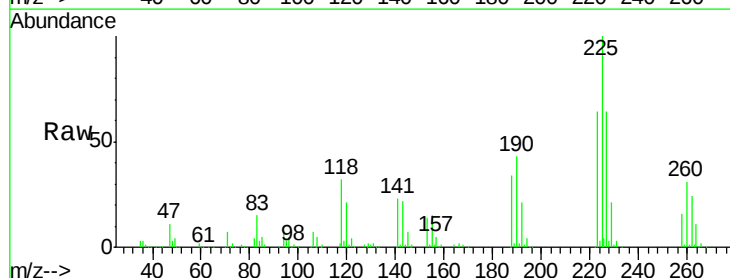
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

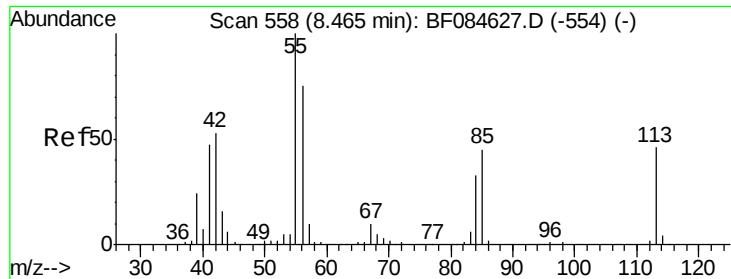
Tgt Ion:	127	Resp:	215282
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.5	39.7
65	30.4	27.2	40.8
92	19.6	17.7	26.5



#34
Hexachlorobutadiene
Concen: 42.43 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion:	225	Resp:	282139
Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.4	74.0
227	64.4	50.8	76.2





#35

Caprolactam

Concen: 25.30 ng

RT: 8.45 min Scan# 557

Delta R.T. -0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

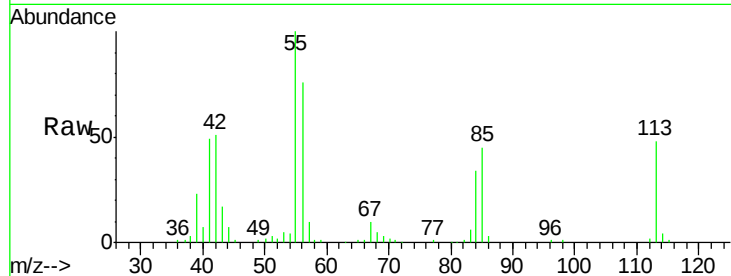
Tgt Ion:113 Resp: 71426

Ion Ratio Lower Upper

113 100

55 209.9 116.9 156.9#

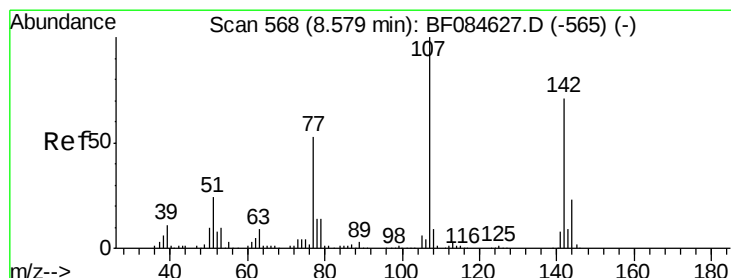
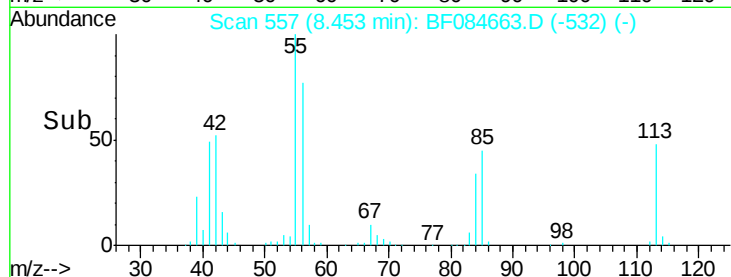
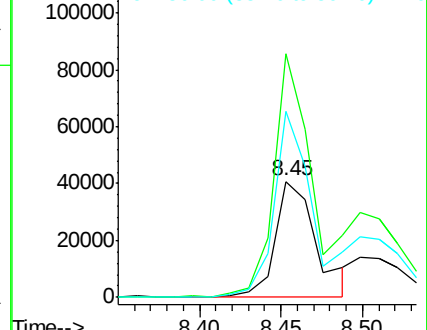
56 160.3 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 39.77 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

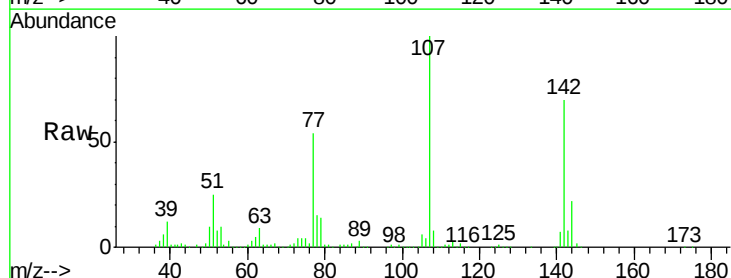
Tgt Ion:107 Resp: 430842

Ion Ratio Lower Upper

107 100

144 22.5 19.7 29.5

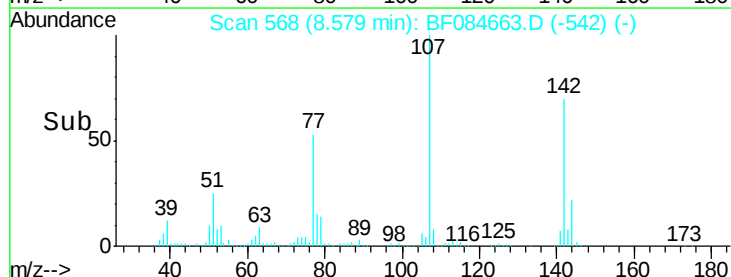
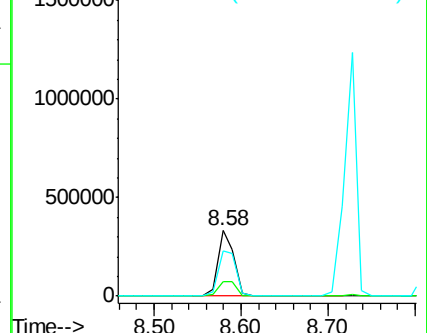
142 70.0 61.8 92.6

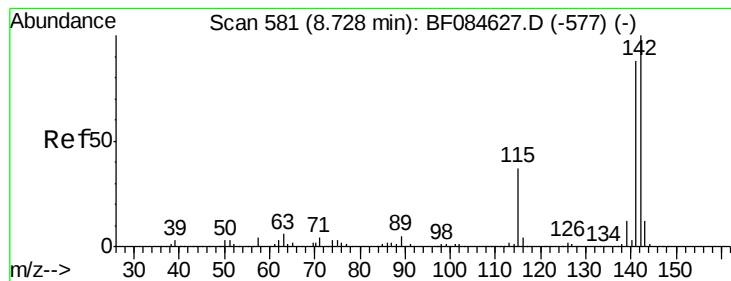


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 54.26 ng

RT: 8.73 min Scan# 581

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

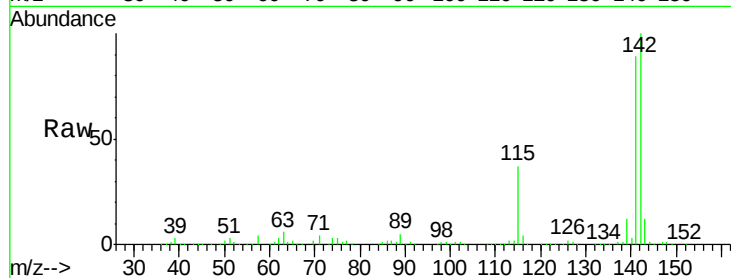
Tgt Ion:142 Resp: 1193484

Ion Ratio Lower Upper

142 100

141 88.9 72.4 108.6

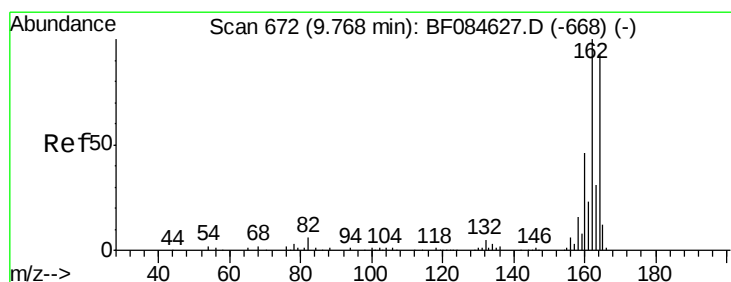
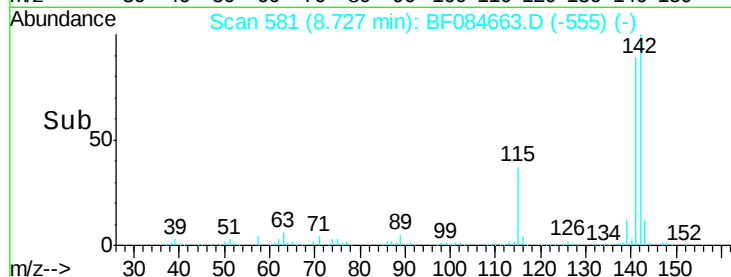
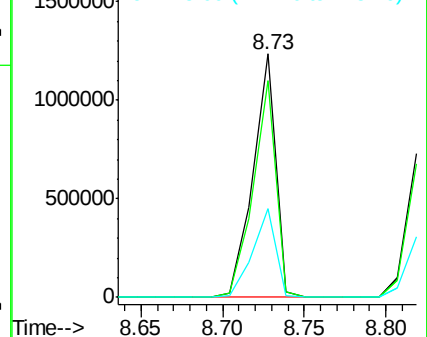
115 36.5 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

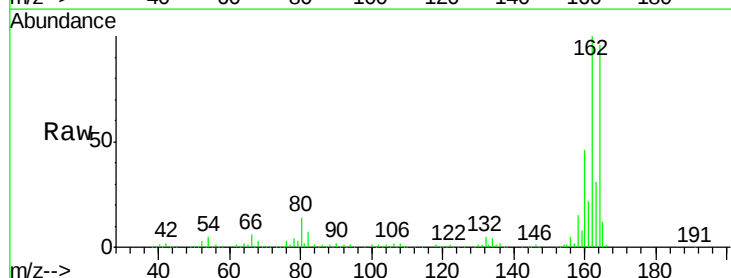
Tgt Ion:164 Resp: 343042

Ion Ratio Lower Upper

164 100

162 104.0 85.1 127.7

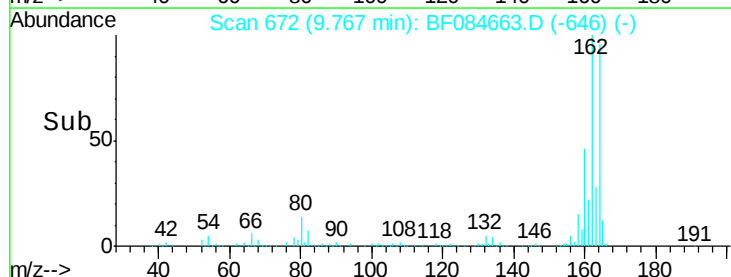
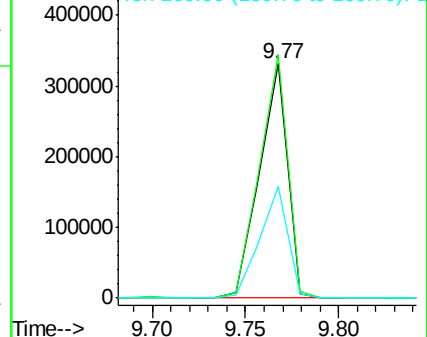
160 47.8 37.5 56.3

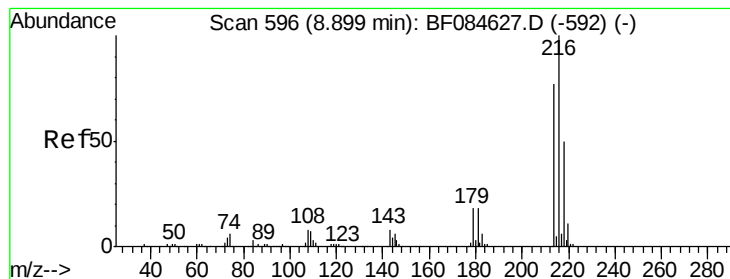


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.69 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tgt Ion:216 Resp: 430411

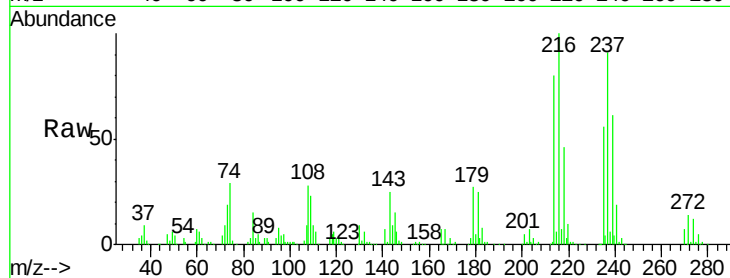
Ion Ratio Lower Upper

216 100

214 78.7 64.2 96.2

179 22.8 18.7 28.1

108 22.4 16.8 25.2

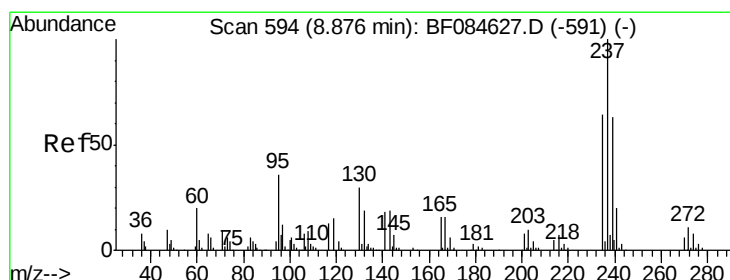
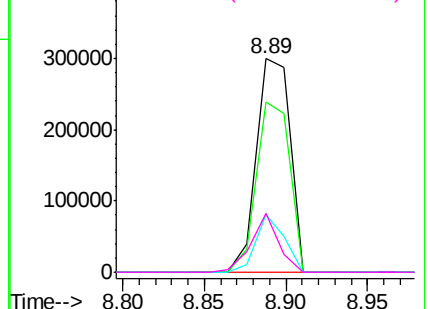
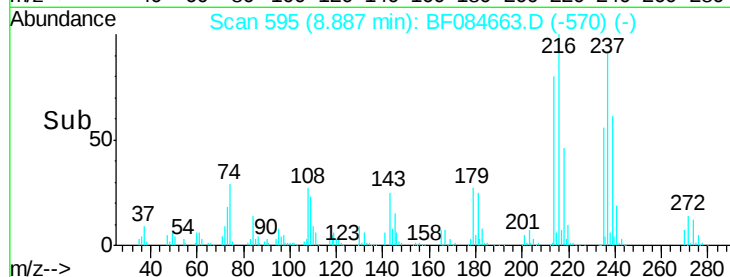


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 90.17 ng

RT: 8.88 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

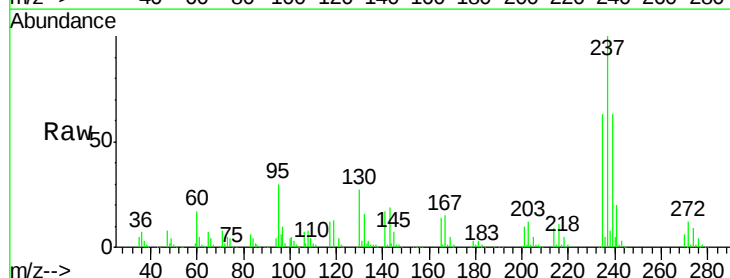
Tgt Ion:237 Resp: 456112

Ion Ratio Lower Upper

237 100

235 62.9 43.1 83.1

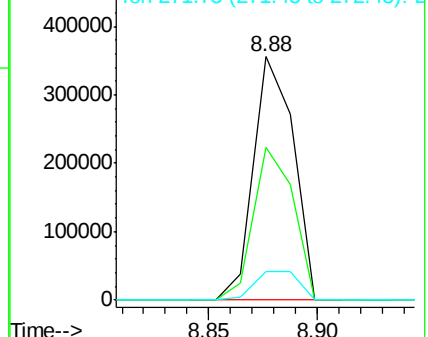
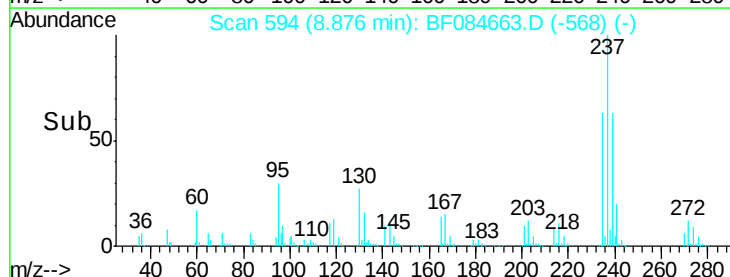
272 11.8 0.0 35.1

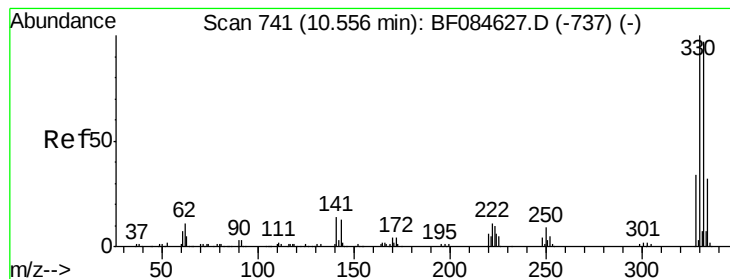


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

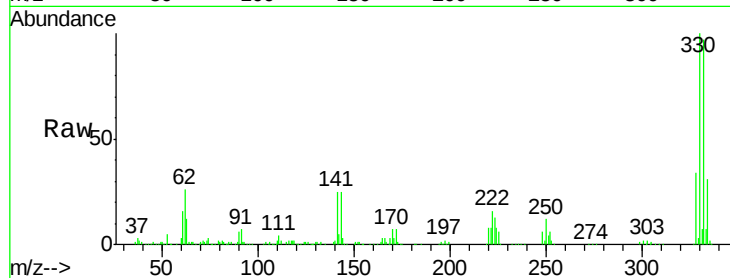




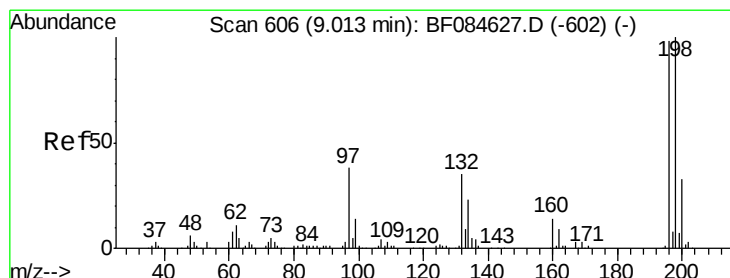
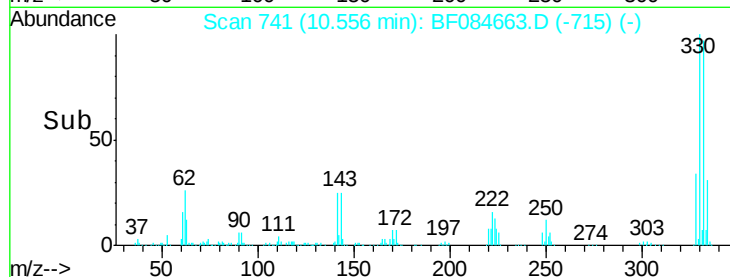
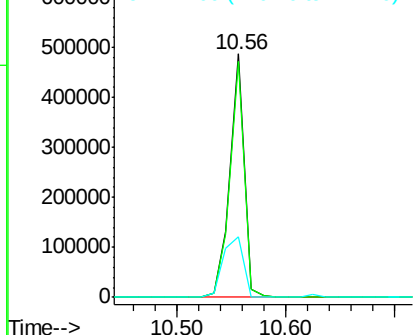
#41
 2,4,6-Tribromophenol
 Concen: 124.30 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tgt Ion:330 Resp: 446903
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 114.8
 141 35.5 27.8 41.6

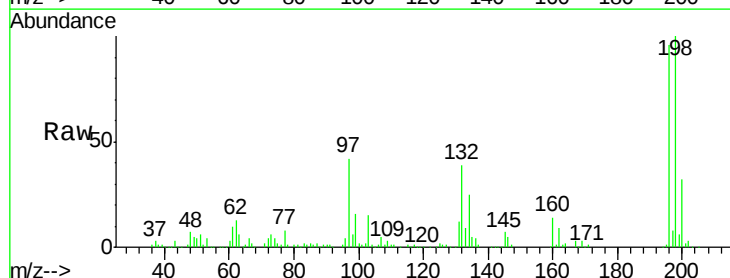


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

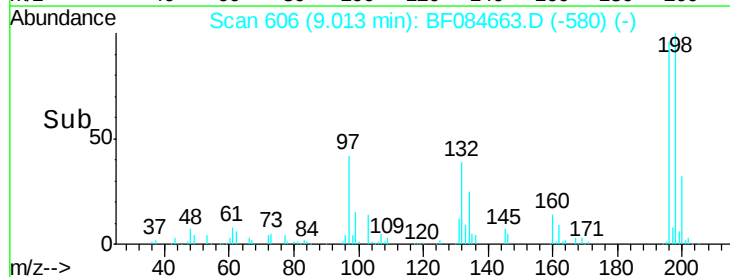
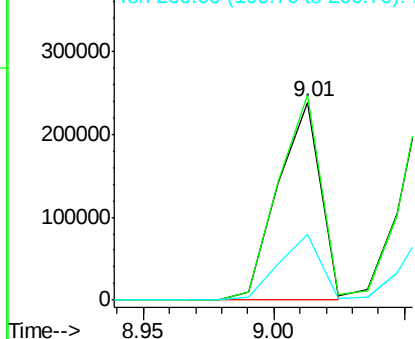


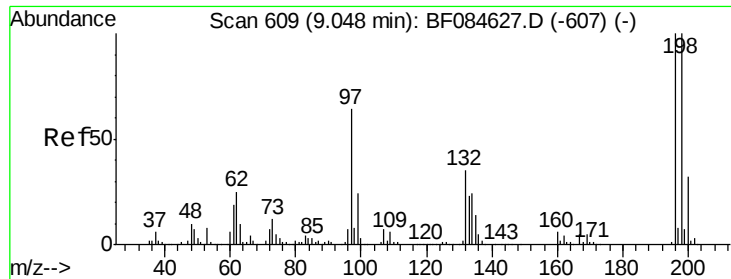
#42
 2,4,6-Trichlorophenol
 Concen: 39.23 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion:196 Resp: 271086
 Ion Ratio Lower Upper
 196 100
 198 104.0 77.7 116.5
 200 33.3 24.6 37.0



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

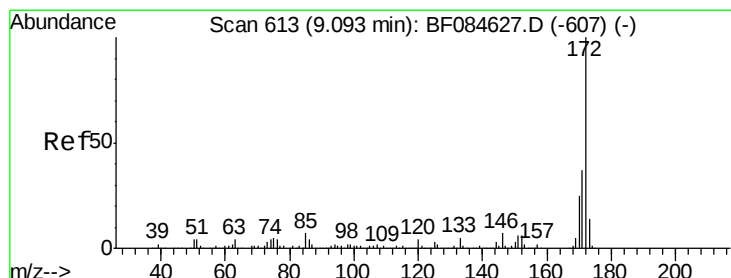
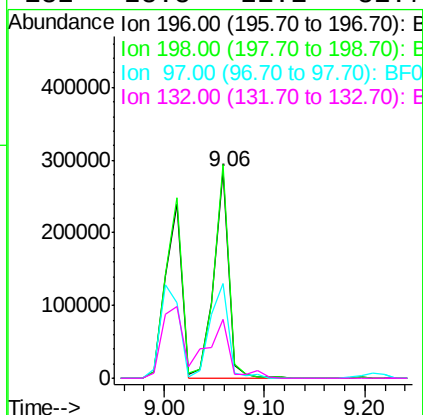
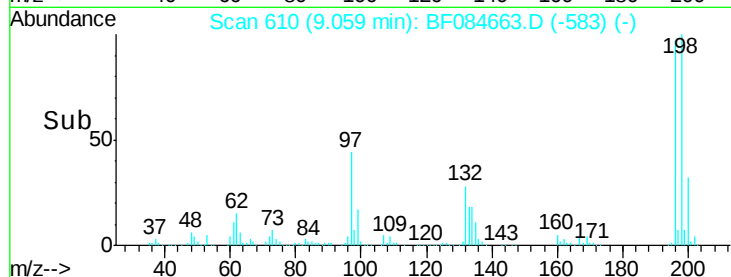
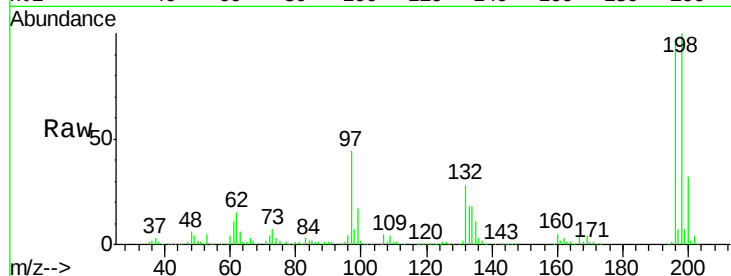




#43
2,4,5-Trichlorophenol
Concen: 41.05 ng
RT: 9.06 min Scan# 610
Delta R.T. 0.01 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

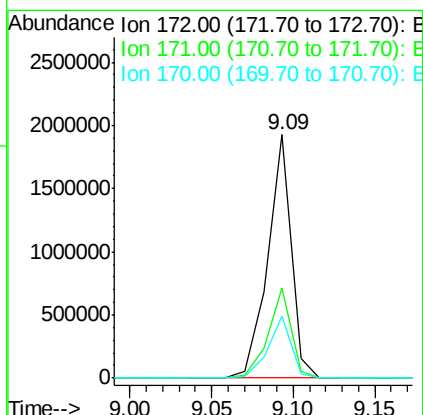
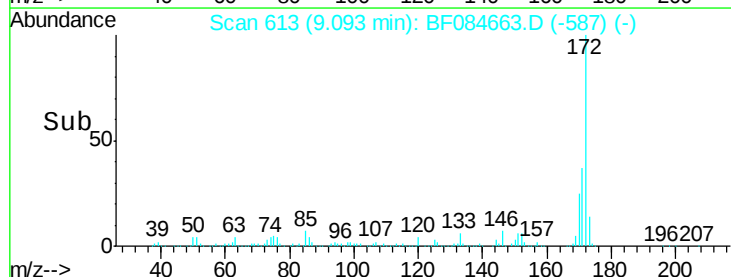
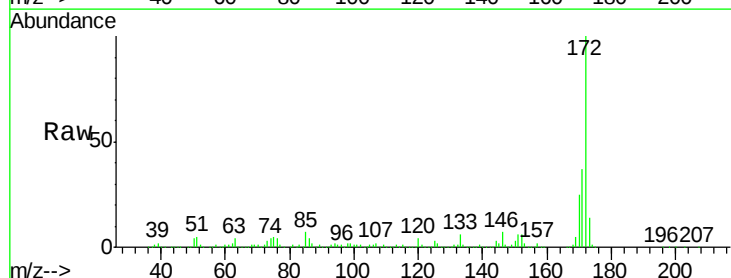
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

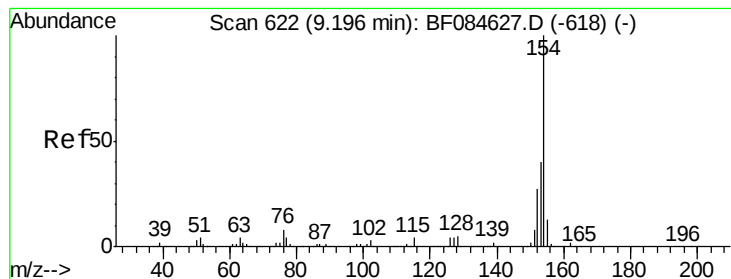
Tgt Ion	Ratio	Lower	Upper
196	100		
198	103.3	79.0	118.6
97	45.9	33.0	49.6
132	28.8	21.1	31.7



#44
2-Fluorobiphenyl
Concen: 83.81 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.9	43.3
170	25.2	18.6	27.8





#45

1,1'-Biphenyl

Concen: 43.54 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

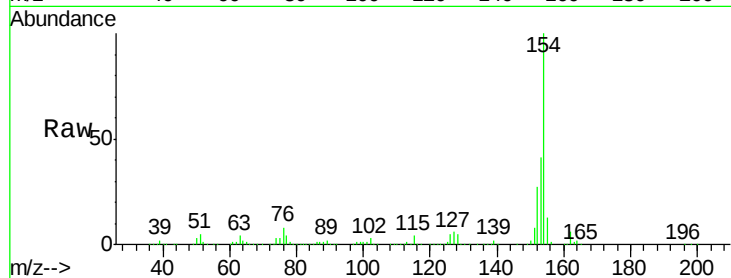
Tgt Ion:154 Resp: 1368798

Ion Ratio Lower Upper

154 100

153 40.6 21.6 61.6

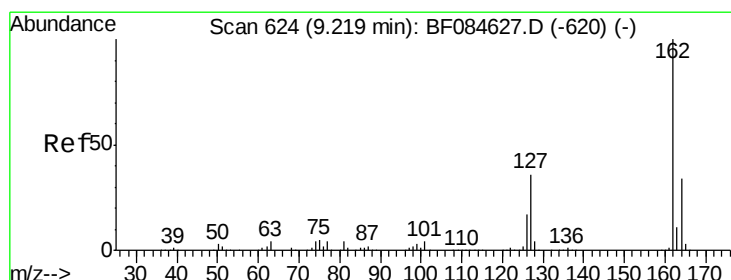
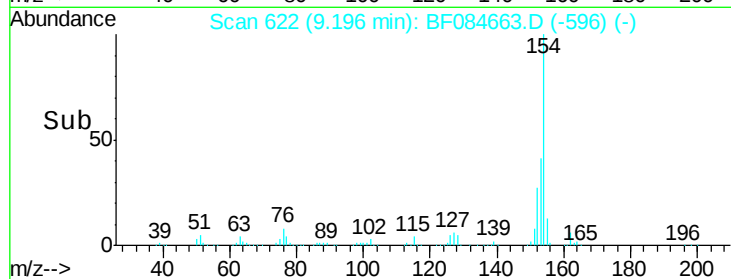
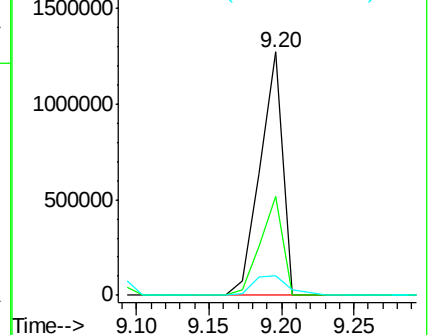
76 8.0 0.0 32.7



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: 43.60 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

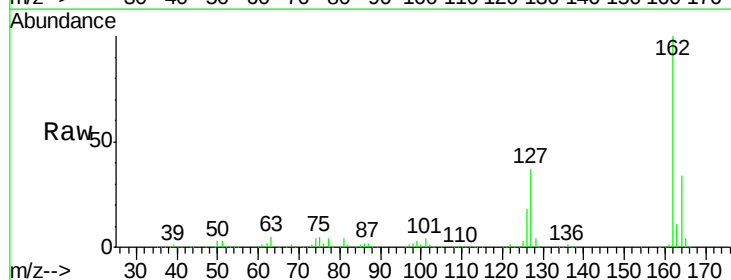
Tgt Ion:162 Resp: 1000136

Ion Ratio Lower Upper

162 100

127 36.9 40.2 60.4#

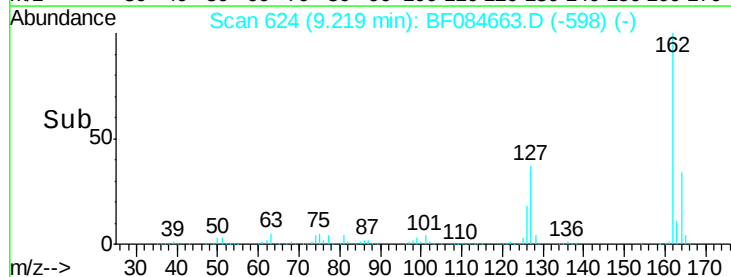
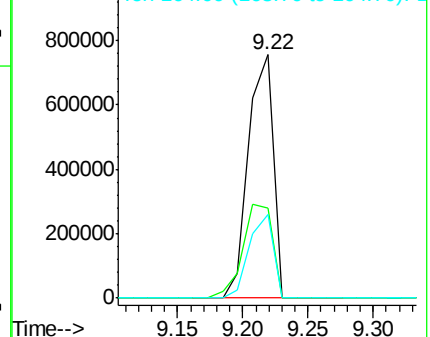
164 34.1 25.7 38.5

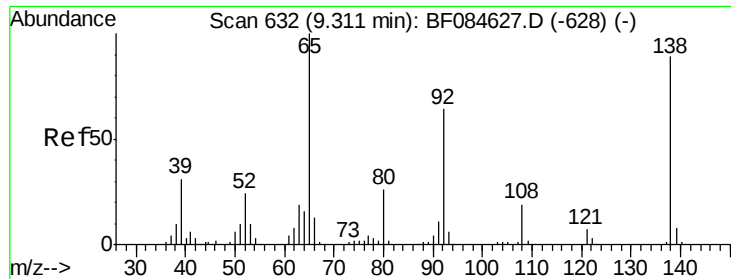


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

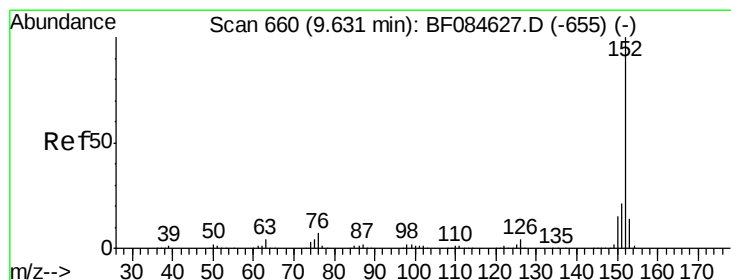
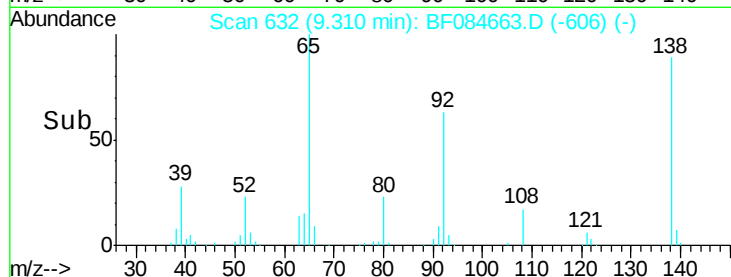
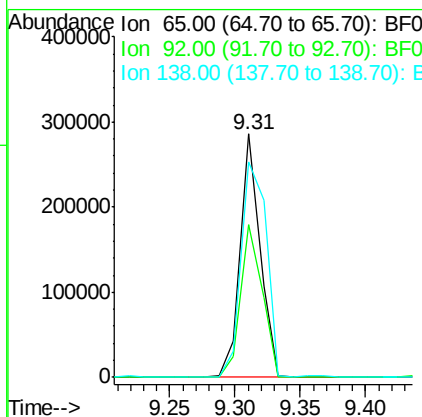
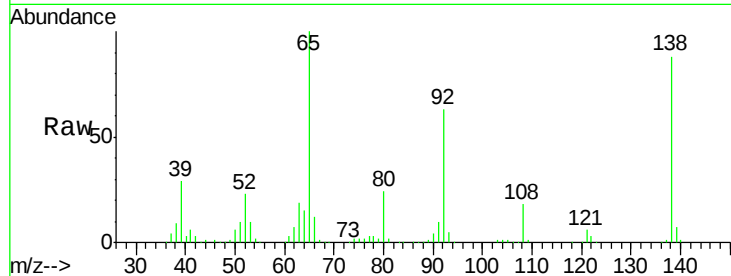




#47
2-Nitroaniline
Concen: 43.79 ng
RT: 9.31 min Scan# 632
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

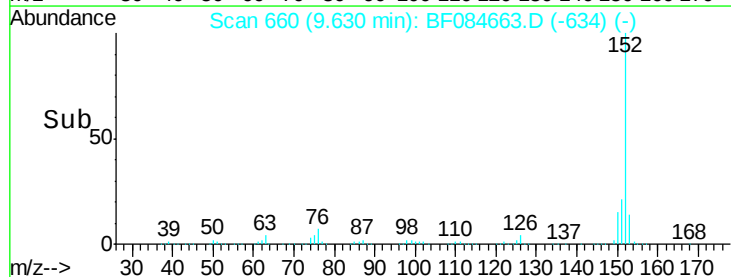
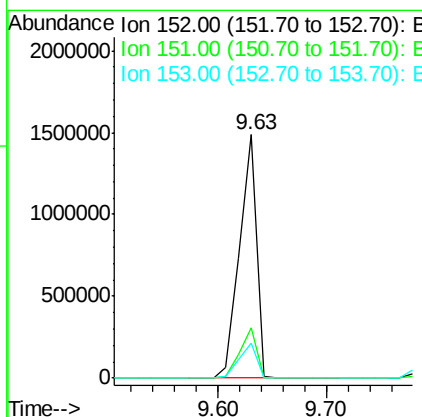
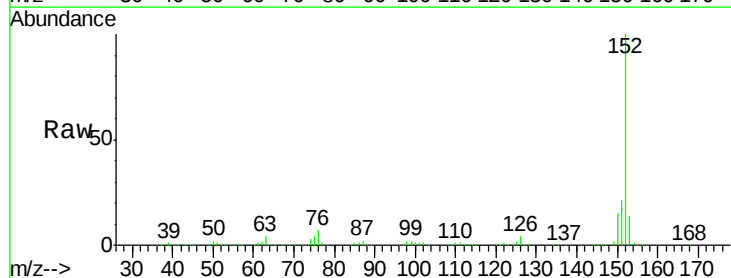
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

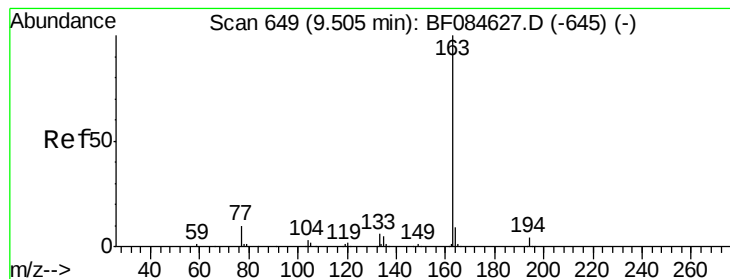
Tgt Ion: 65 Resp: 301657
Ion Ratio Lower Upper
65 100
92 62.7 53.4 80.2
138 88.4 71.1 106.7



#48
Acenaphthylene
Concen: 45.33 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion: 152 Resp: 1575483
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 14.2 10.4 15.6





#49

Dimethylphthalate

Concen: 49.48 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

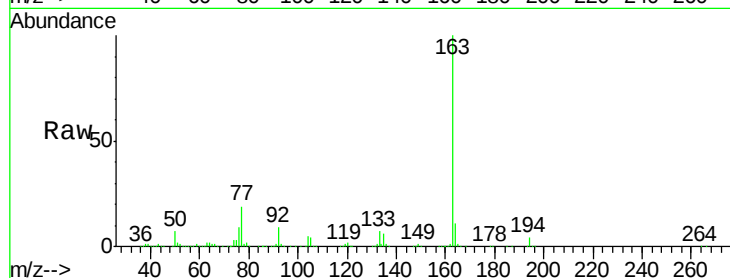
Tgt Ion:163 Resp: 1273914

Ion Ratio Lower Upper

163 100

194 3.5 8.0 12.0#

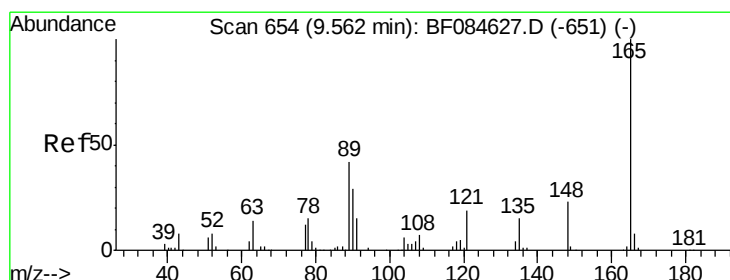
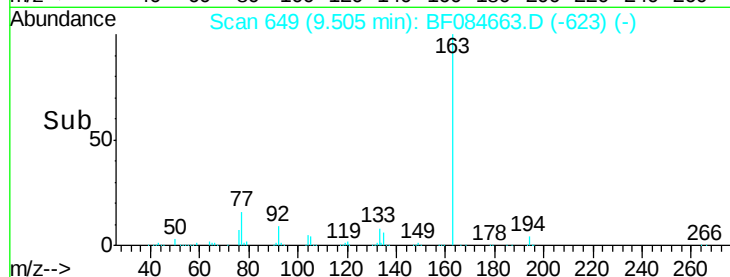
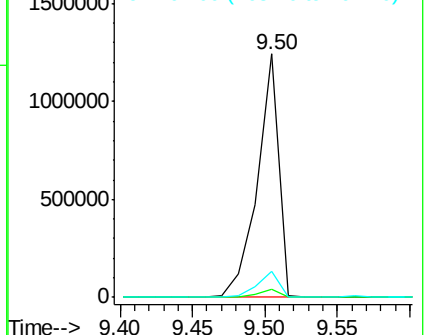
164 10.6 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 51.22 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

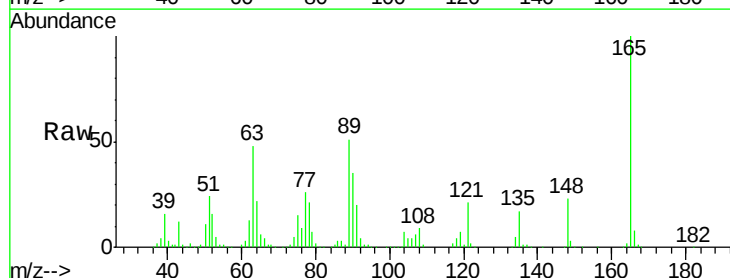
Tgt Ion:165 Resp: 290150

Ion Ratio Lower Upper

165 100

63 48.4 28.8 43.2#

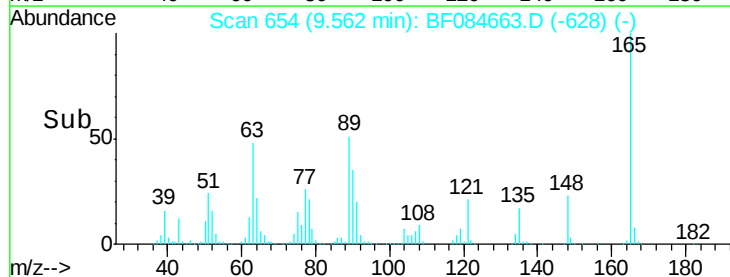
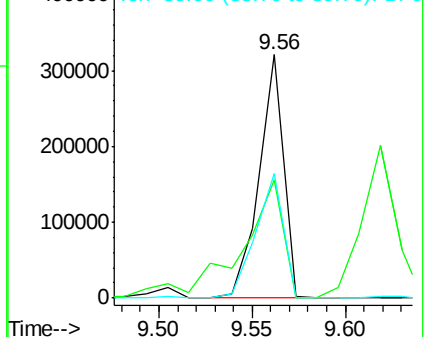
89 51.1 35.1 52.7

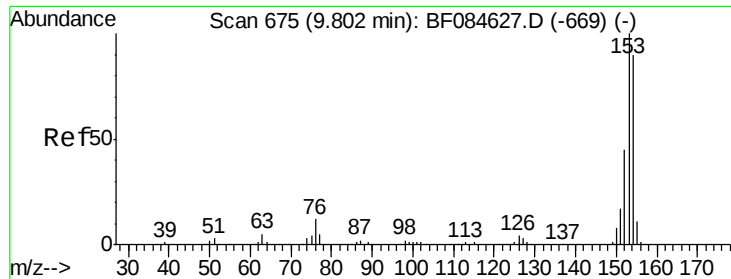


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 46.56 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

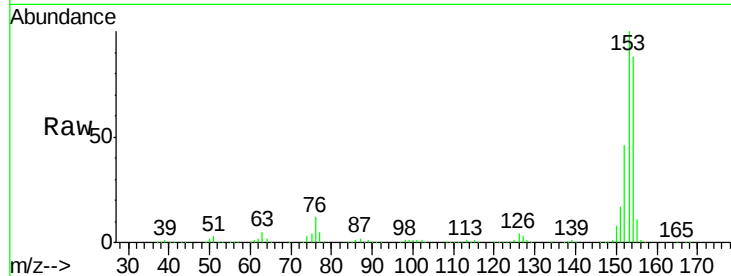
Tgt Ion:154 Resp: 1083555

Ion Ratio Lower Upper

154 100

153 113.9 91.5 137.3

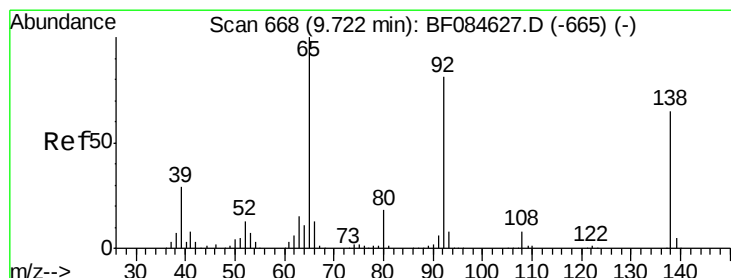
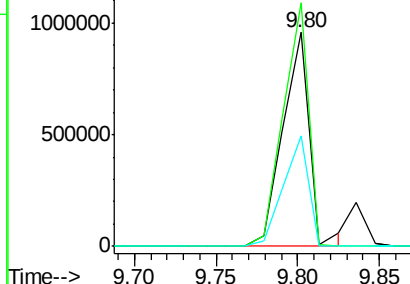
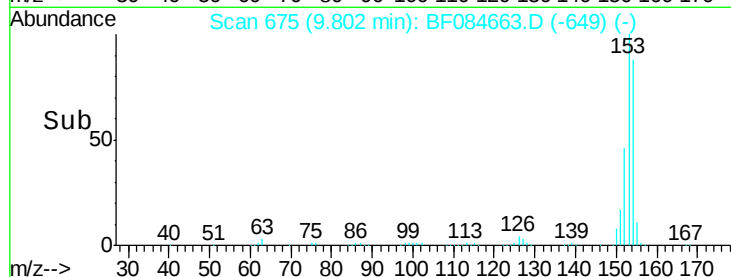
152 52.0 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.25 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

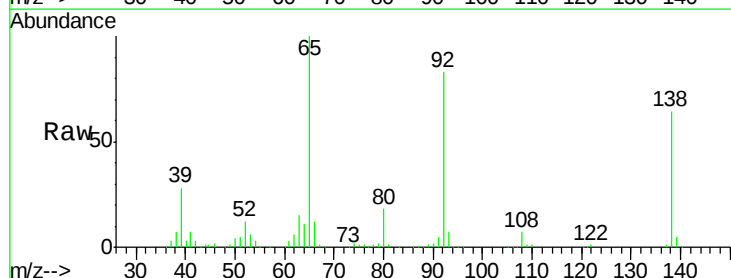
Tgt Ion:138 Resp: 155406

Ion Ratio Lower Upper

138 100

108 11.2 10.5 15.7

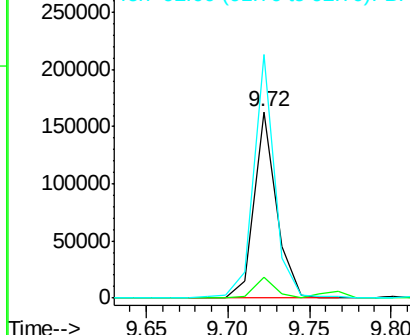
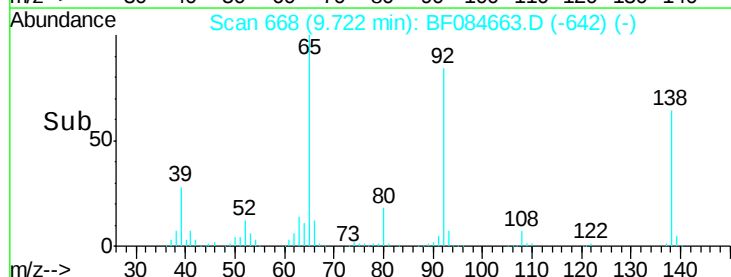
92 130.7 103.9 155.9

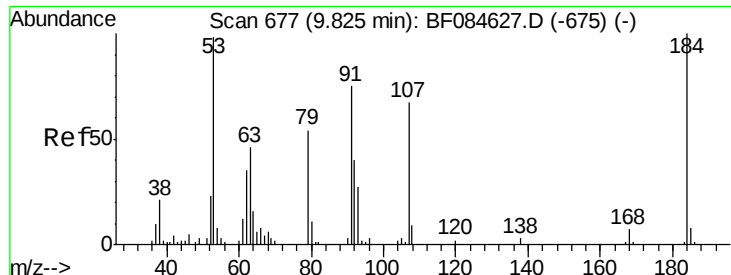


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

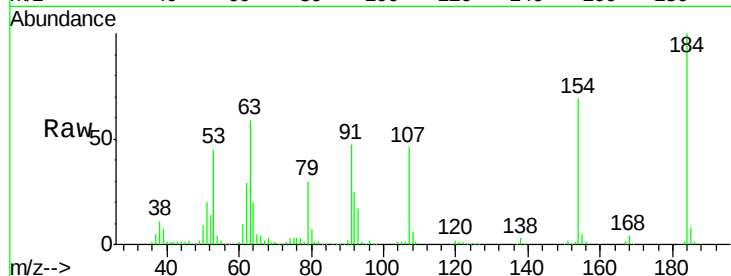




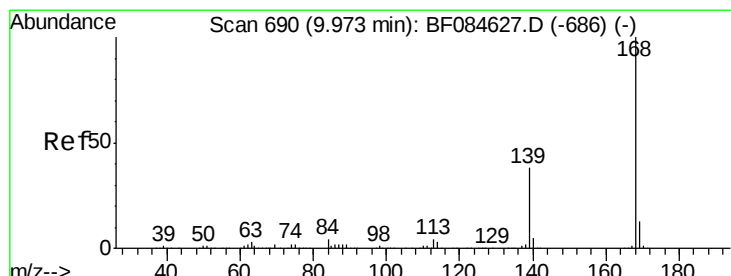
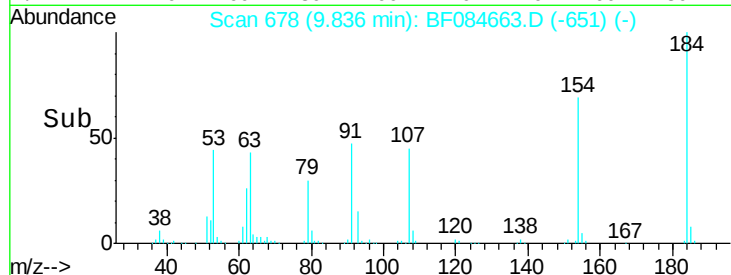
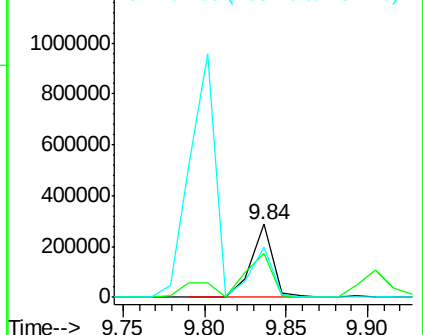
#53
 2,4-Dinitrophenol
 Concen: 95.77 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tgt Ion:184 Resp: 267711
 Ion Ratio Lower Upper
 184 100
 63 59.4 43.1 64.7
 154 69.2 60.5 90.7

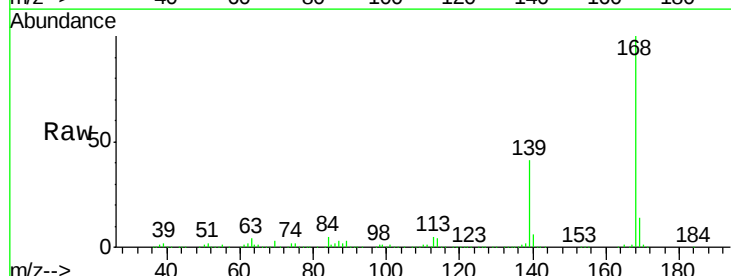


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

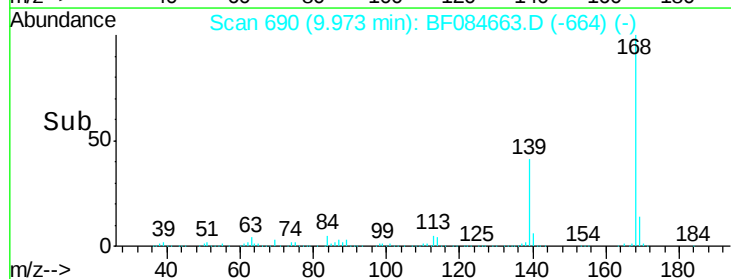
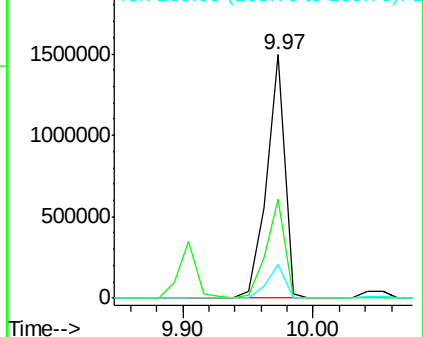


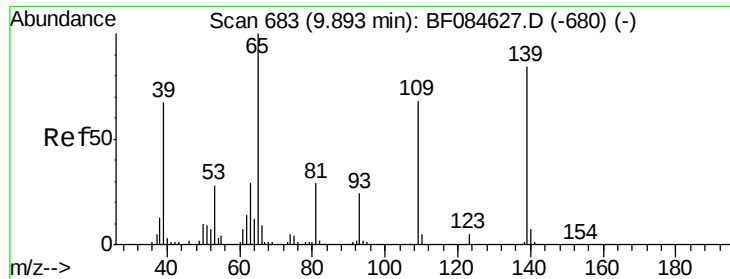
#54
 Dibenzofuran
 Concen: 52.05 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion:168 Resp: 1445640
 Ion Ratio Lower Upper
 168 100
 139 40.6 30.5 45.7
 169 13.9 10.4 15.6



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

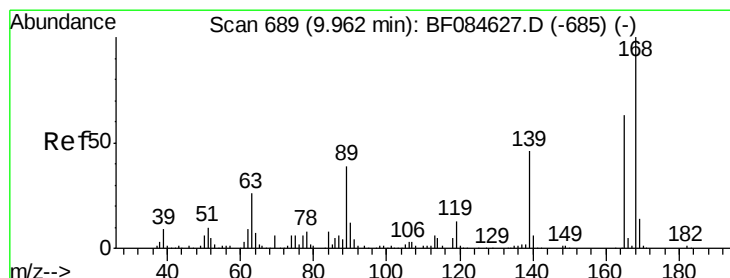
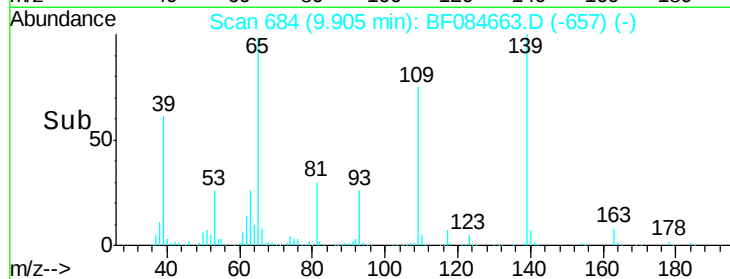
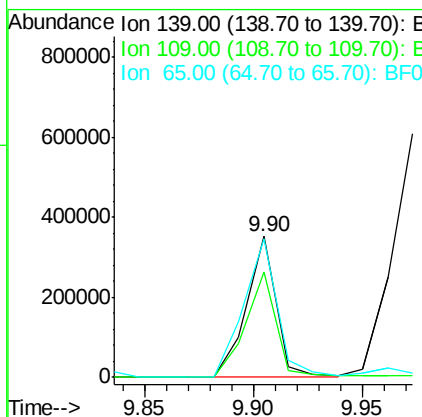
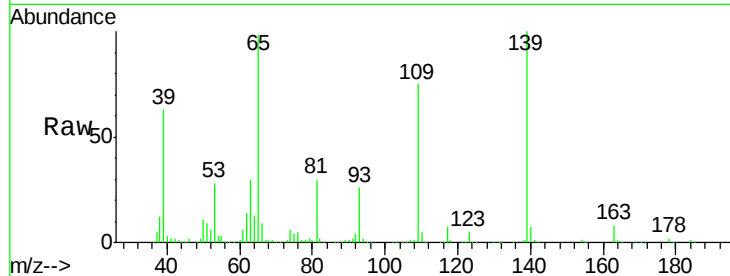




#55
4-Nitrophenol
Concen: 77.40 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.01 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

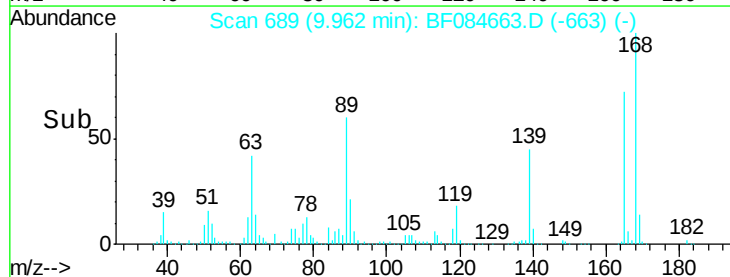
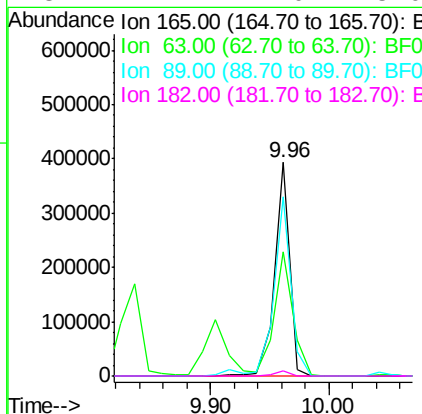
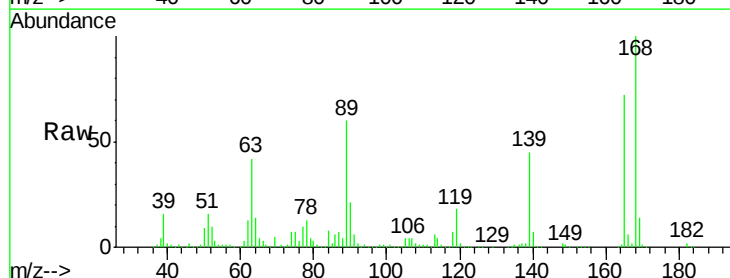
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

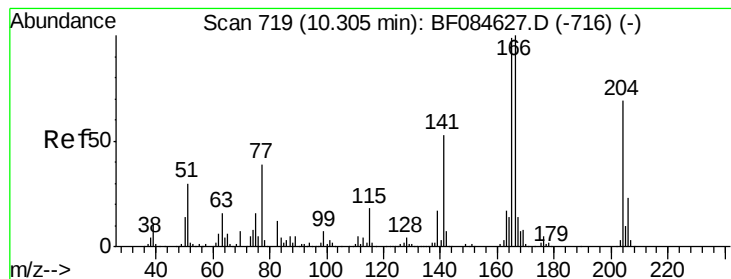
Tgt Ion:139 Resp: 336543
Ion Ratio Lower Upper
139 100
109 75.1 58.5 98.5
65 98.3 57.6 97.6#



#56
2,4-Dinitrotoluene
Concen: 46.99 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion:165 Resp: 345818
Ion Ratio Lower Upper
165 100
63 58.2 36.7 55.1#
89 84.0 61.9 92.9
182 2.2 2.0 3.0





#57

Fluorene

Concen: 47.01 ng

RT: 10.32 min Scan# 720

Delta R.T. 0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

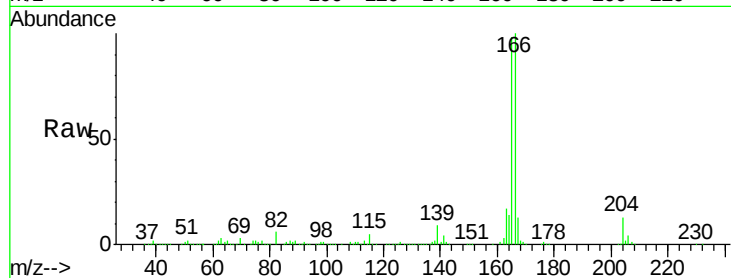
Tgt Ion:166 Resp: 1106723

Ion Ratio Lower Upper

166 100

165 98.1 79.1 118.7

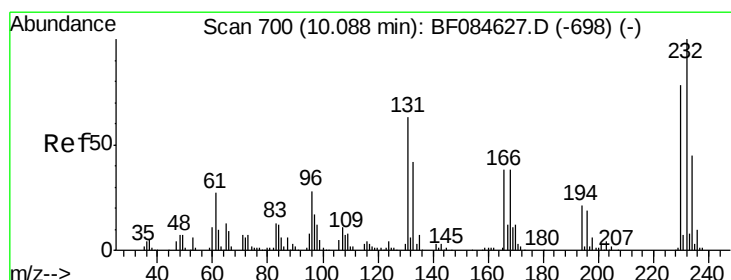
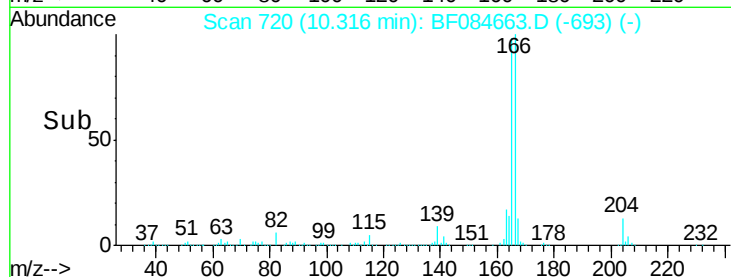
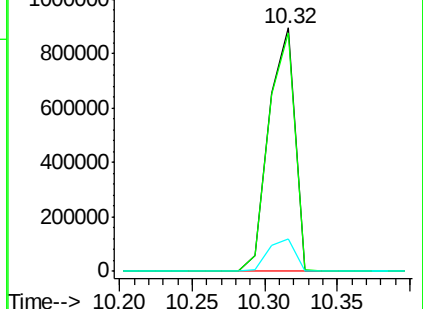
167 13.4 10.4 15.6



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: 43.59 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:232 Resp: 235172

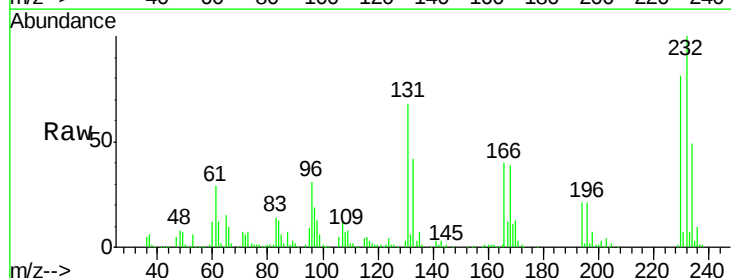
Ion Ratio Lower Upper

232 100

131 52.4 47.0 70.6

130 2.4 2.0 3.0

166 32.0 30.5 45.7

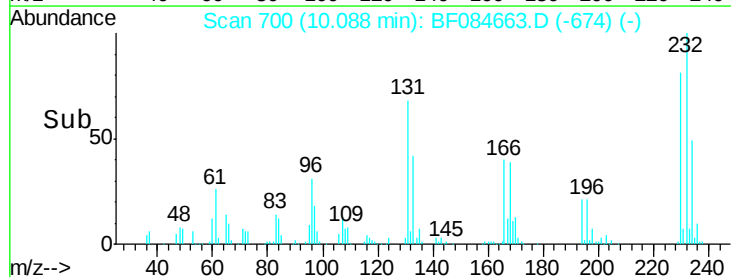
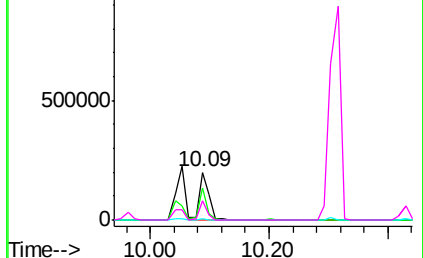


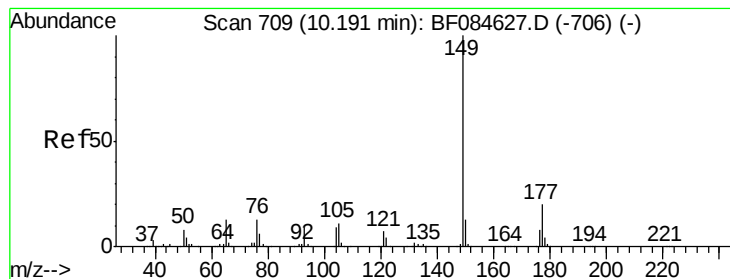
Abundance Ion 232.00 (231.70 to 232.70): E

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: 48.67 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

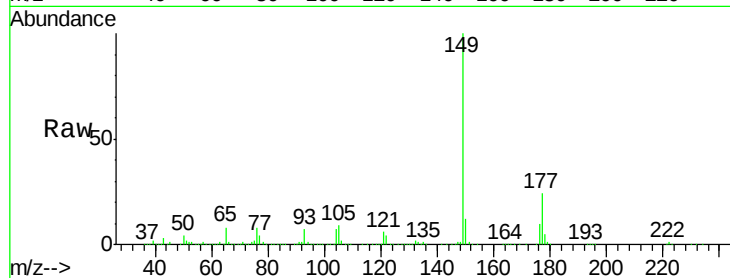
Tgt Ion:149 Resp: 1226572

Ion Ratio Lower Upper

149 100

177 24.0 17.3 25.9

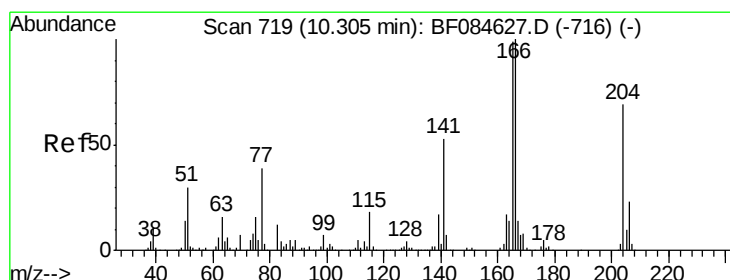
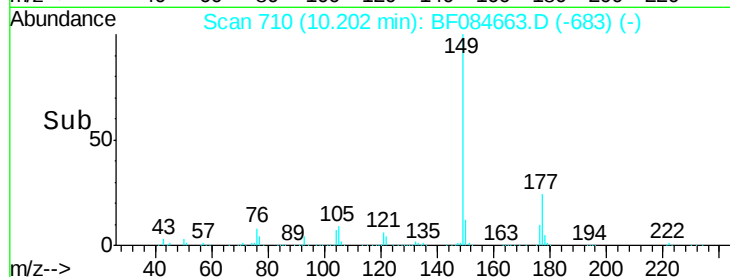
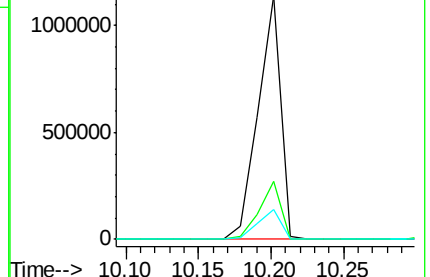
150 12.4 9.8 14.8



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: 42.02 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

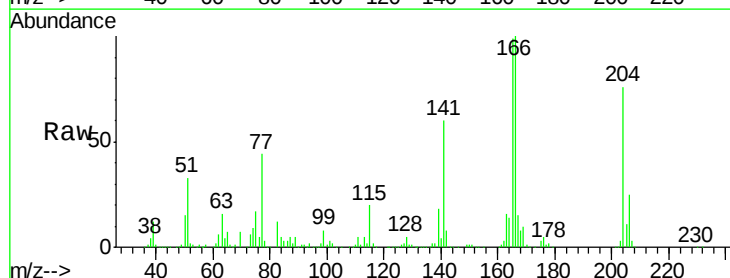
Tgt Ion:204 Resp: 444137

Ion Ratio Lower Upper

204 100

206 33.1 25.7 38.5

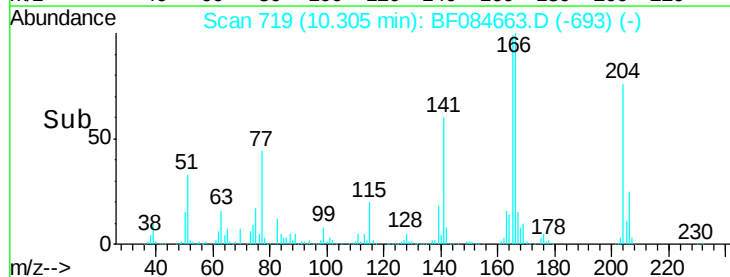
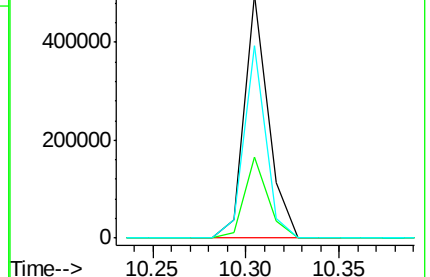
141 79.1 55.1 82.7

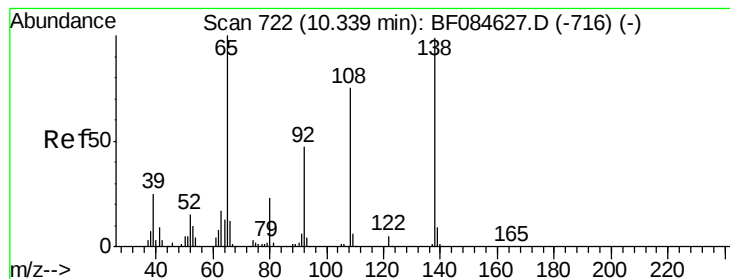


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 45.98 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

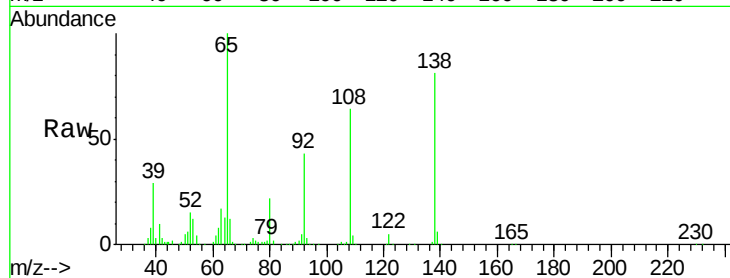
Tgt Ion:138 Resp: 257604

Ion Ratio Lower Upper

138 100

92 53.2 32.6 72.6

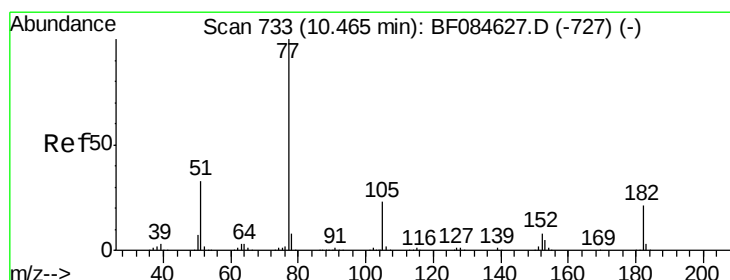
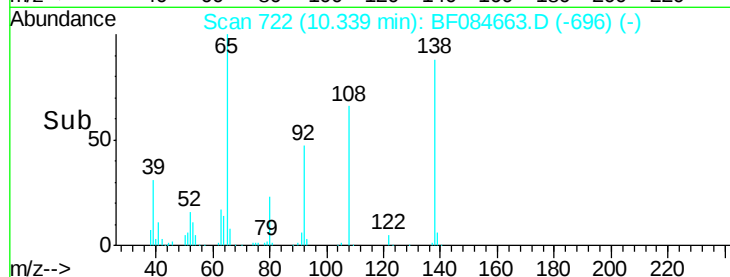
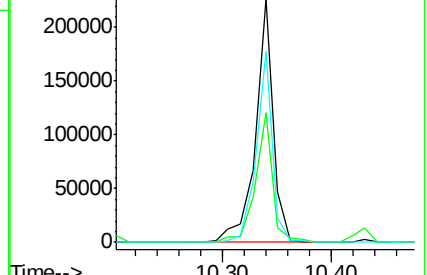
108 78.5 68.6 108.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 48.96 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion: 77 Resp: 1181121

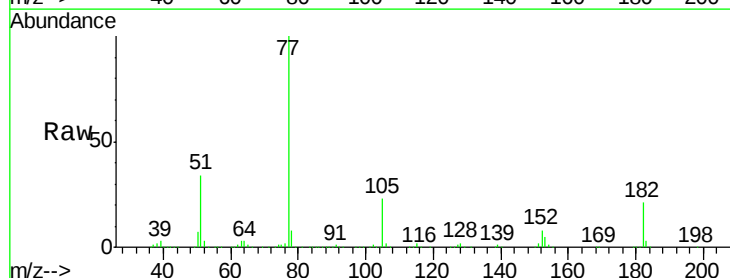
Ion Ratio Lower Upper

77 100

182 20.9 8.3 48.3

105 23.3 4.6 44.6

51 33.7 6.2 46.2

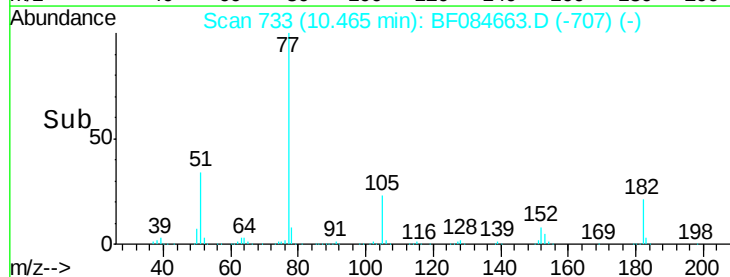
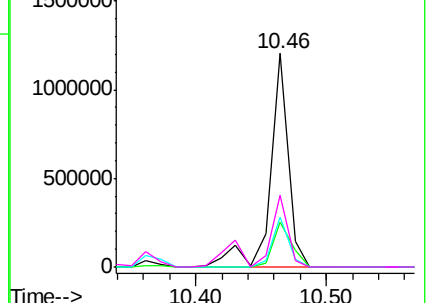


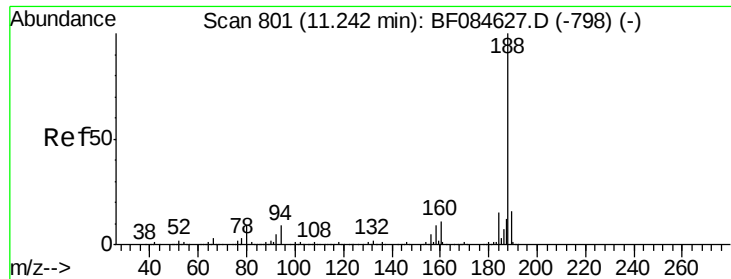
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

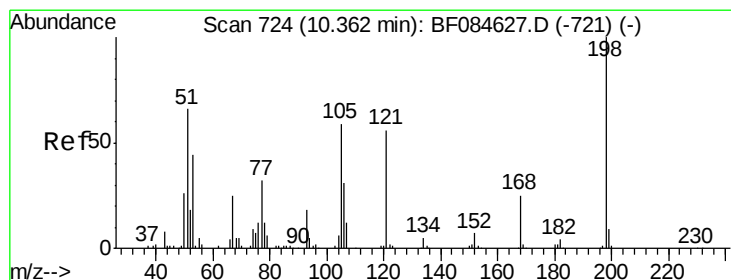
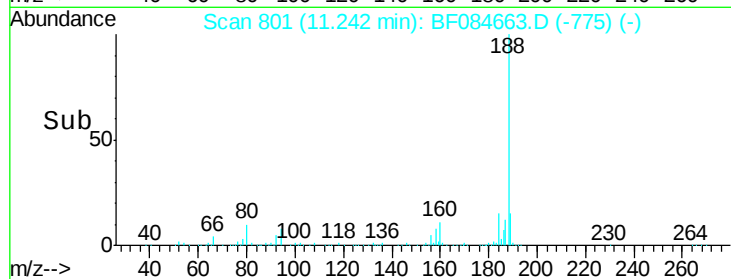
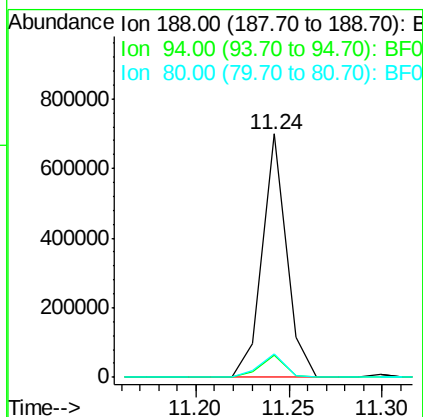
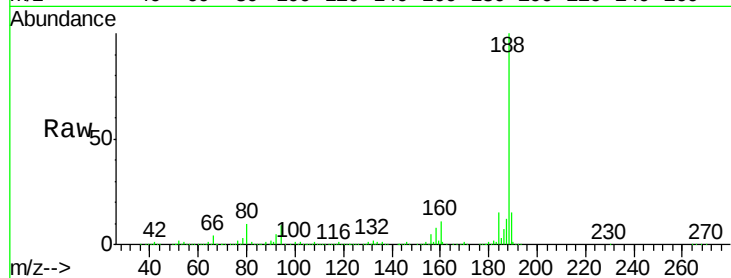




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

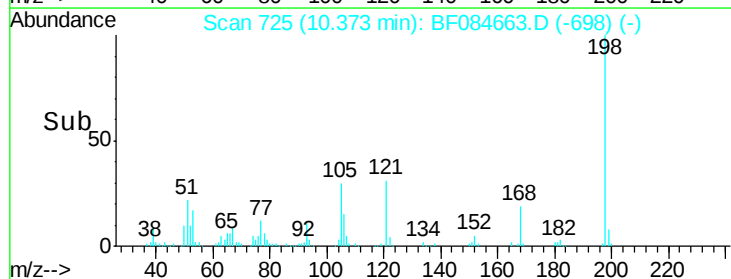
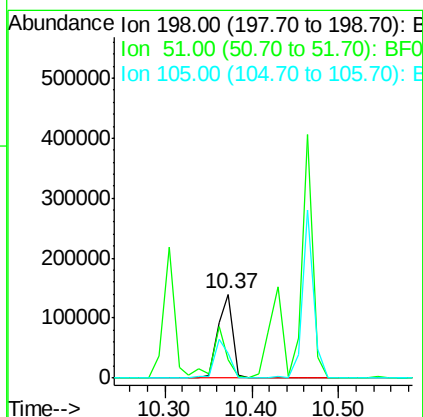
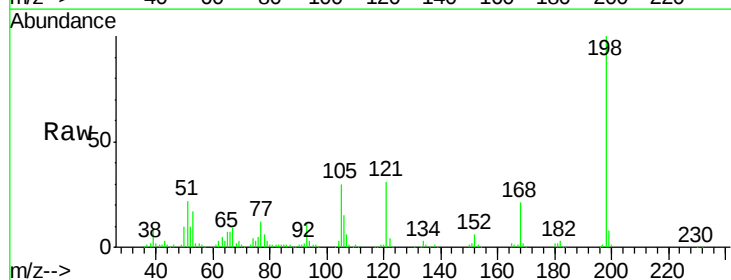
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

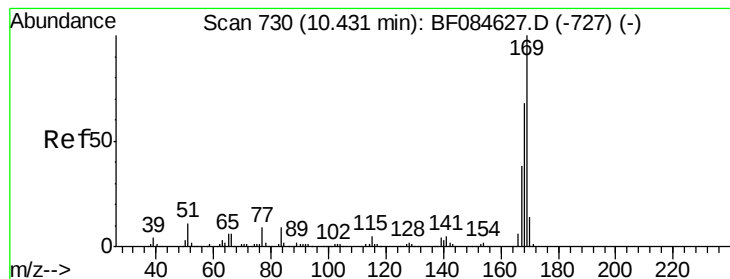
Tgt Ion:188 Resp: 628227
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.8 9.6 14.4



#64
4,6-Dinitro-2-methylphenol
Concen: 41.41 ng
RT: 10.37 min Scan# 725
Delta R.T. 0.01 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion:198 Resp: 169910
Ion Ratio Lower Upper
198 100
51 22.1 18.9 58.9
105 29.9 26.4 66.4





#65

n-Nitrosodiphenylamine

Concen: 48.02 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

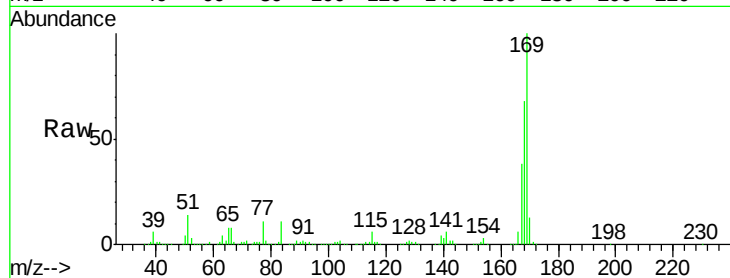
Tgt Ion:169 Resp: 978120

Ion Ratio Lower Upper

169 100

168 68.0 55.1 82.7

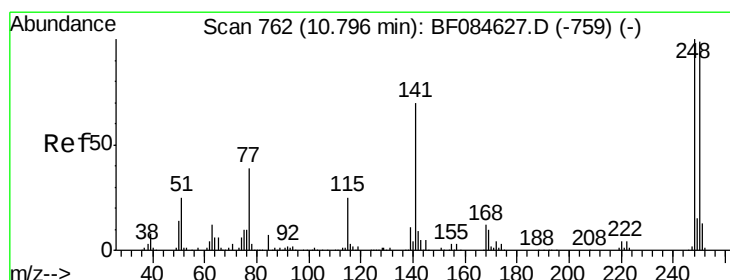
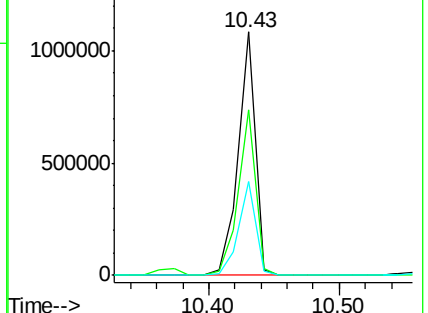
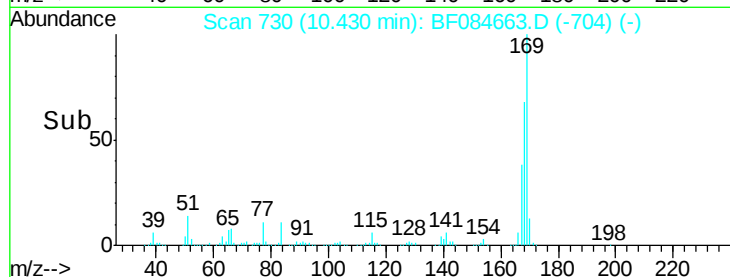
167 38.3 30.0 45.0



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: 47.57 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

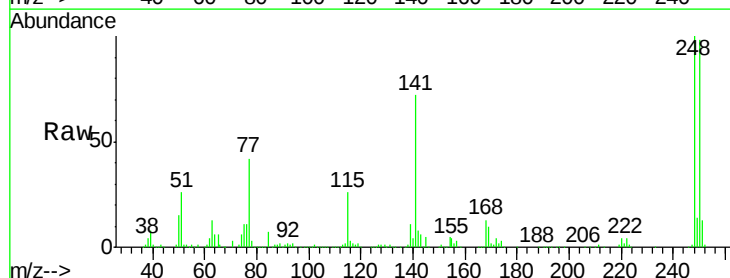
Tgt Ion:248 Resp: 336568

Ion Ratio Lower Upper

248 100

250 98.1 78.4 117.6

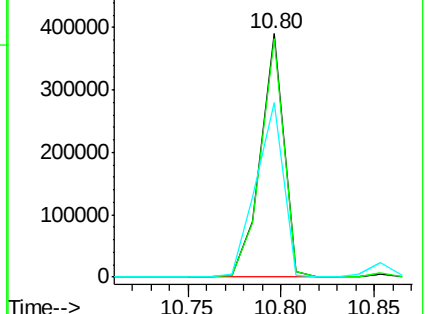
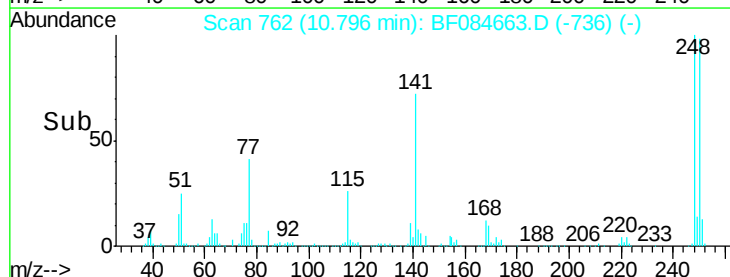
141 71.6 44.0 66.0#

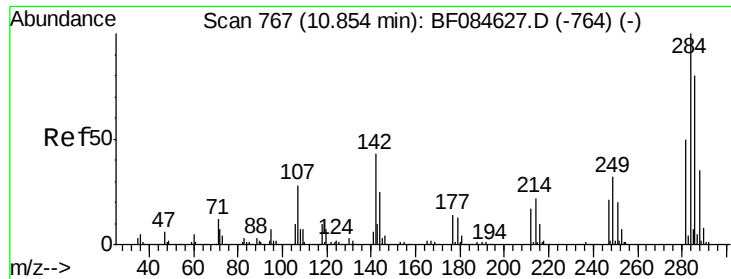


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

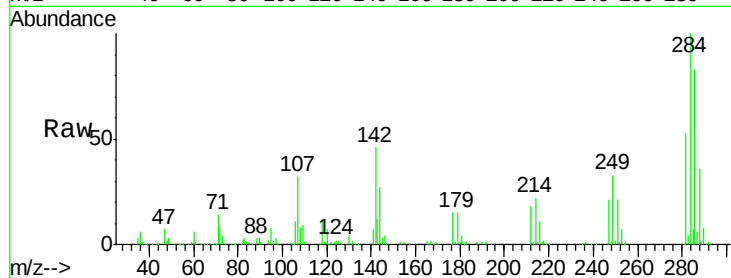




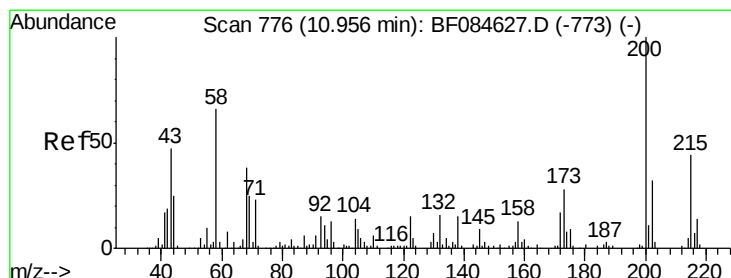
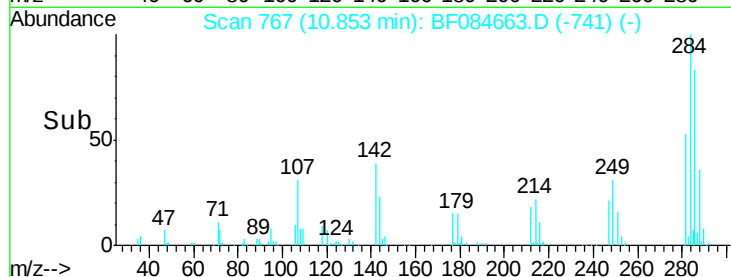
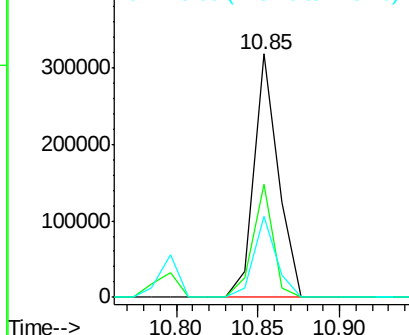
#67
Hexachlorobenzene
Concen: 42.48 ng
RT: 10.85 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

Tgt Ion: 284 Resp: 326929
Ion Ratio Lower Upper
284 100
142 46.3 22.2 33.4#
249 33.4 24.6 37.0

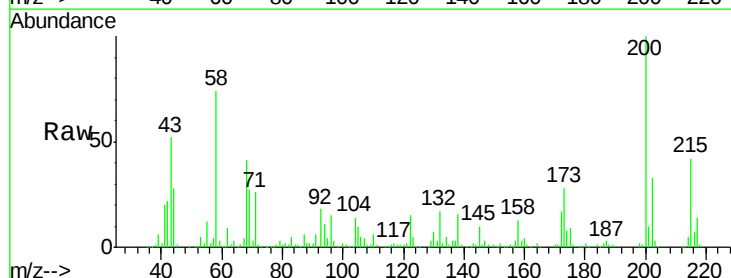


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

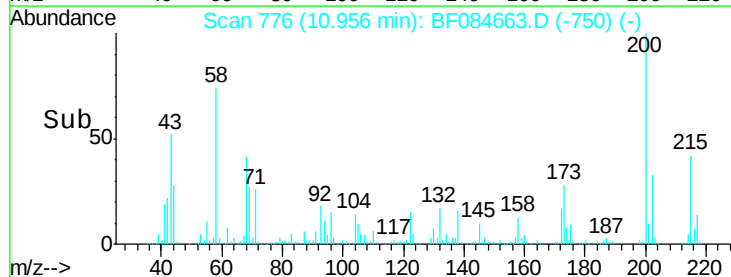
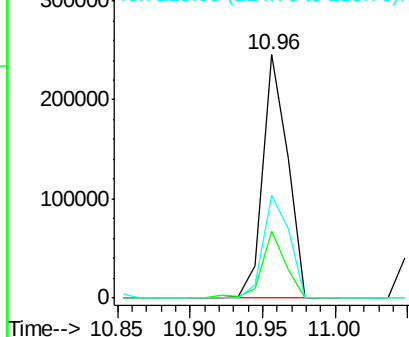


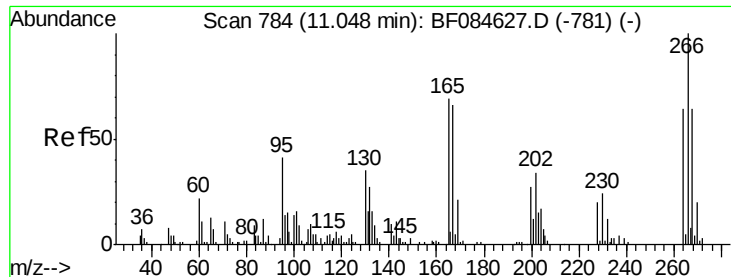
#68
Atrazine
Concen: 47.36 ng
RT: 10.96 min Scan# 776
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion: 200 Resp: 289030
Ion Ratio Lower Upper
200 100
173 27.7 9.5 49.5
215 42.4 23.8 63.8



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

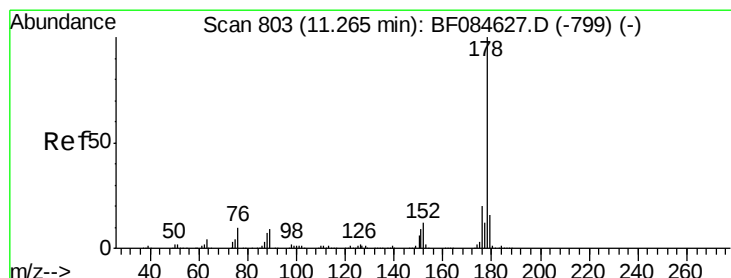
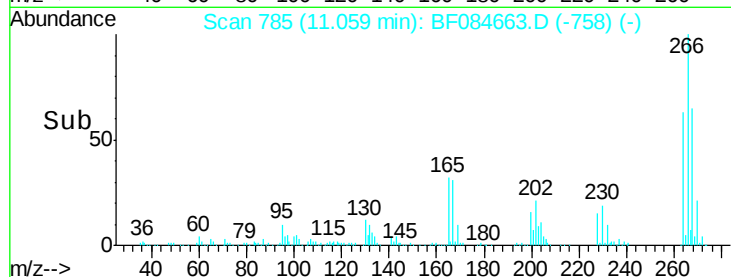
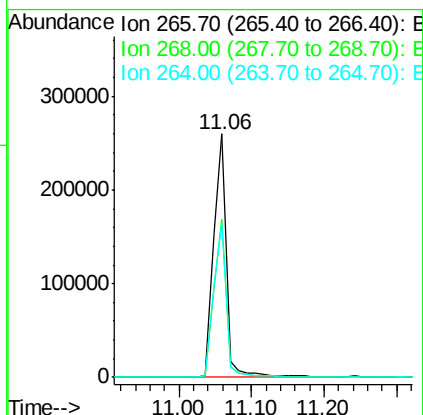
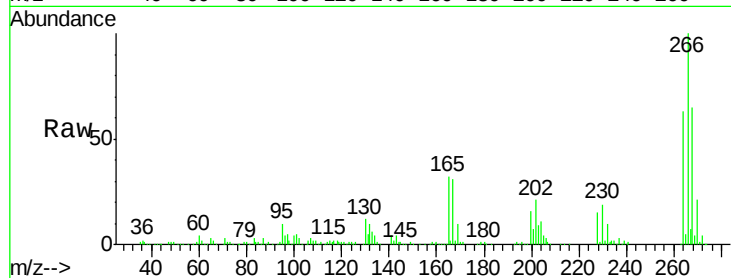




#69
 Pentachlorophenol
 Concen: 85.53 ng
 RT: 11.06 min Scan# 785
 Delta R.T. 0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

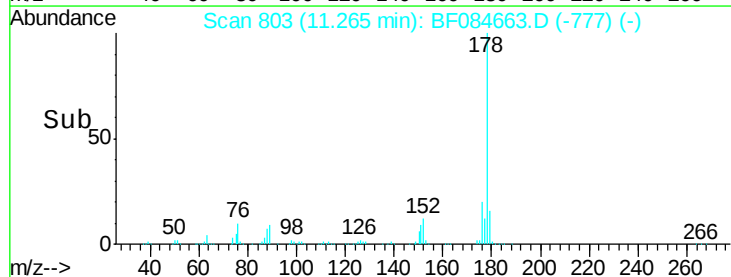
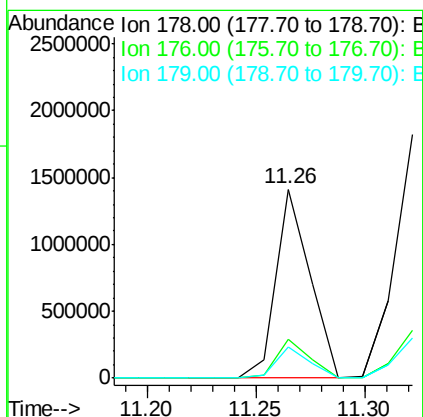
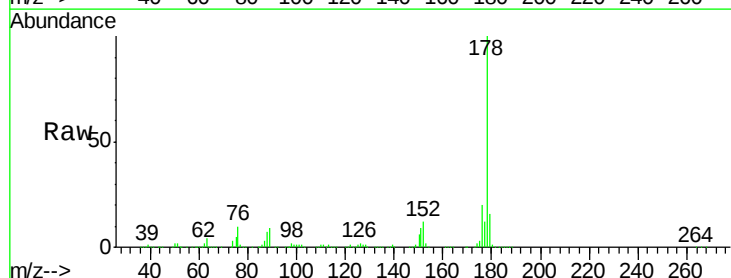
Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

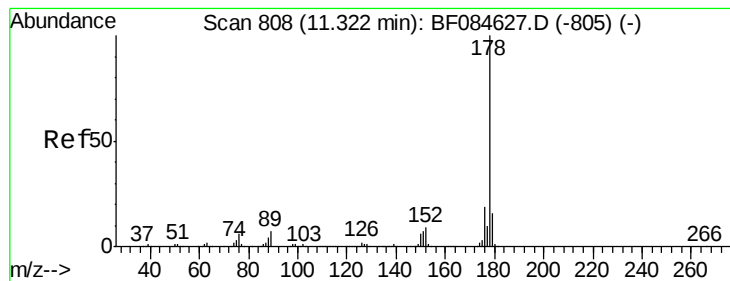
Tgt Ion: 266 Resp: 318023
 Ion Ratio Lower Upper
 266 100
 268 64.9 52.4 78.6
 264 63.2 50.2 75.2



#70
 Phenanthrene
 Concen: 44.57 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion: 178 Resp: 1548279
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.3 22.9
 179 16.3 12.0 18.0





#71

Anthracene

Concen: 47.76 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

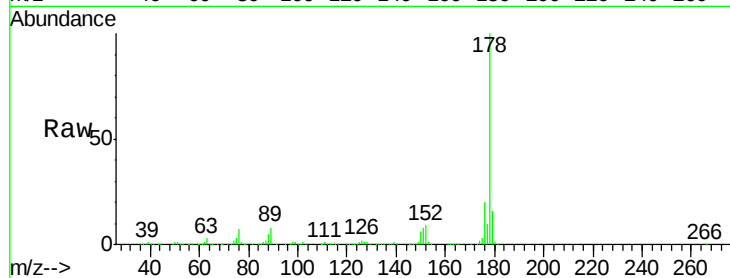
Tgt Ion:178 Resp: 1686902

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

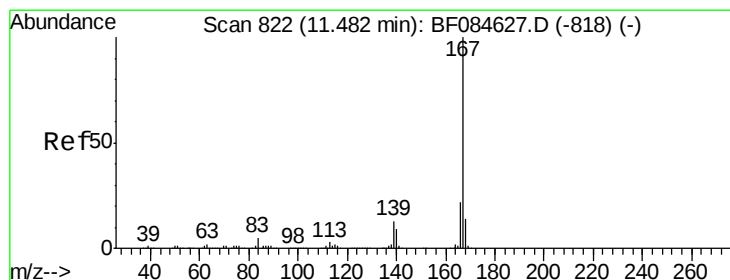
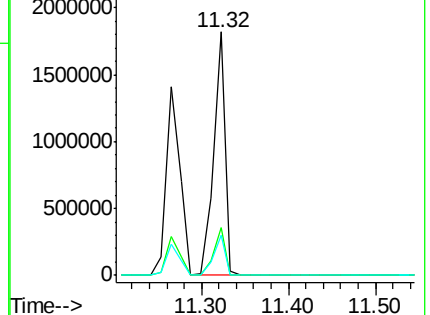
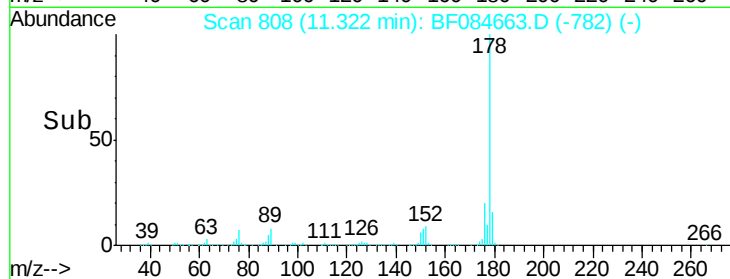
179 16.2 12.5 18.7



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: 51.75 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

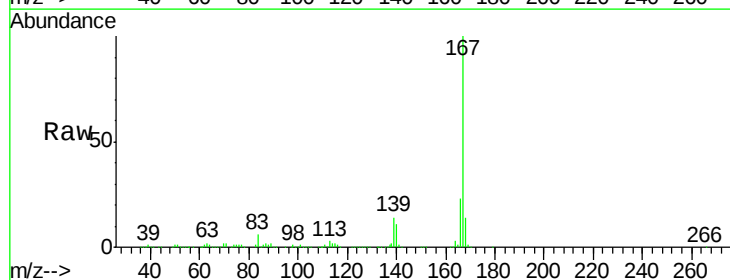
Tgt Ion:167 Resp: 1575315

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

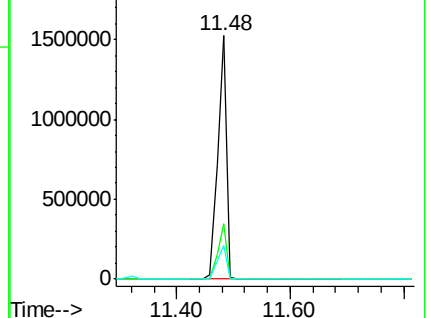
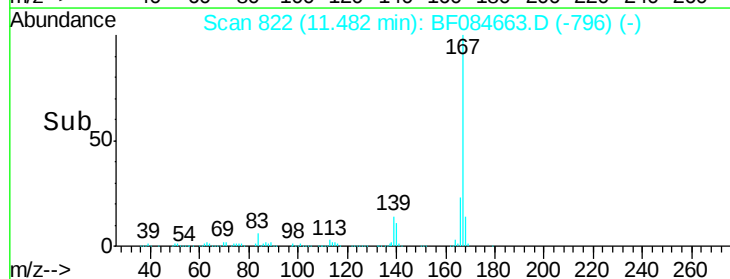
139 14.0 11.8 17.8

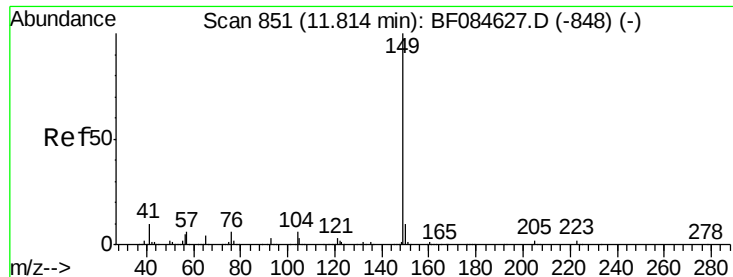


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 44.69 ng

RT: 11.81 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

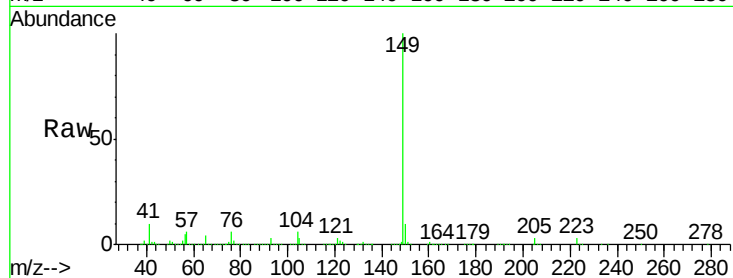
Tgt Ion:149 Resp: 1654570

Ion Ratio Lower Upper

149 100

150 10.0 7.1 10.7

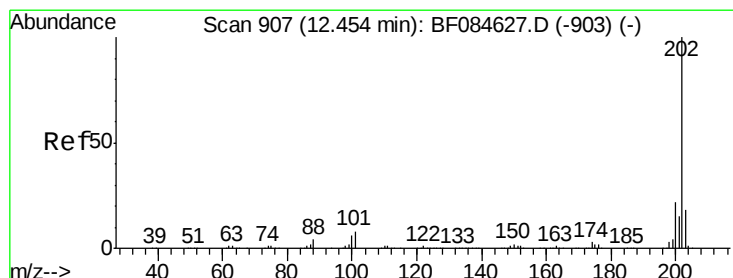
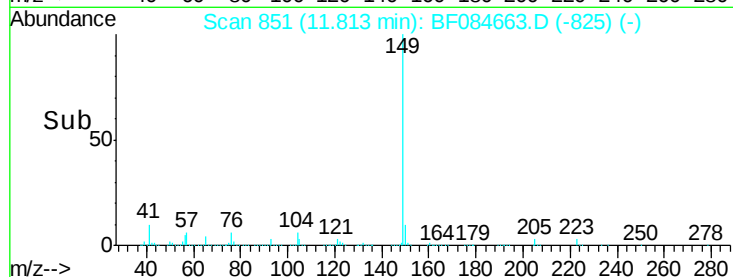
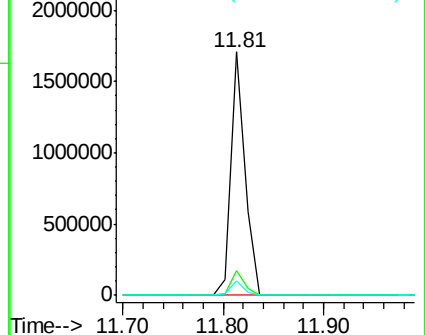
104 5.8 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 49.32 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

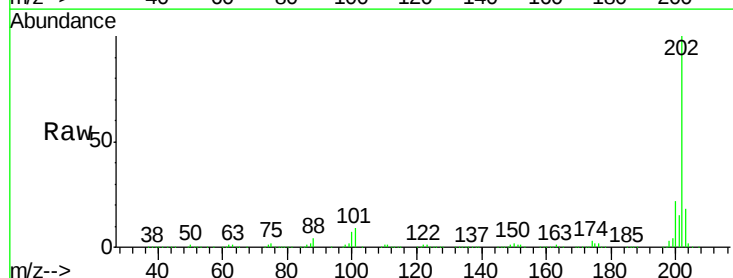
Tgt Ion:202 Resp: 1693816

Ion Ratio Lower Upper

202 100

101 9.1 0.0 32.8

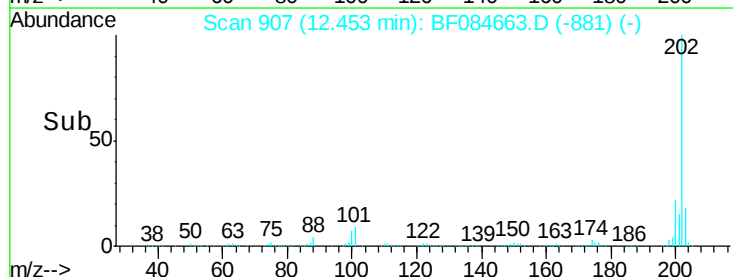
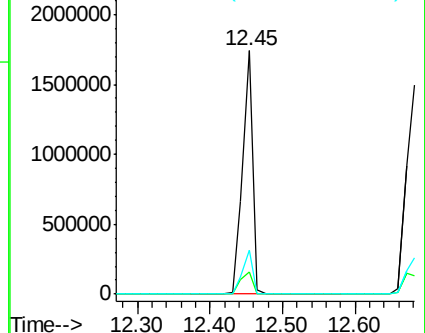
203 17.9 0.0 37.9

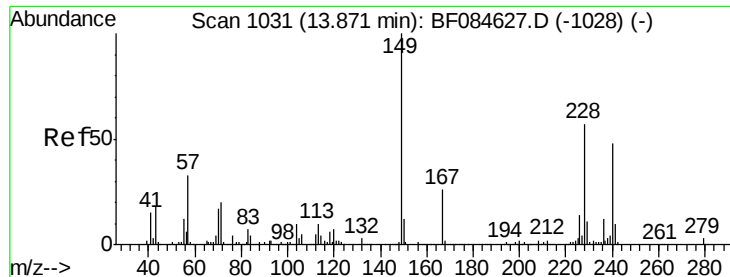


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

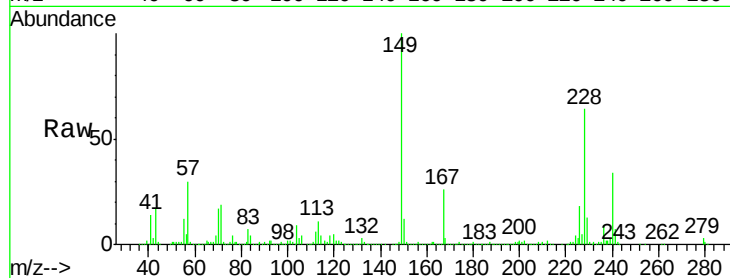
Tgt Ion:240 Resp: 395550

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

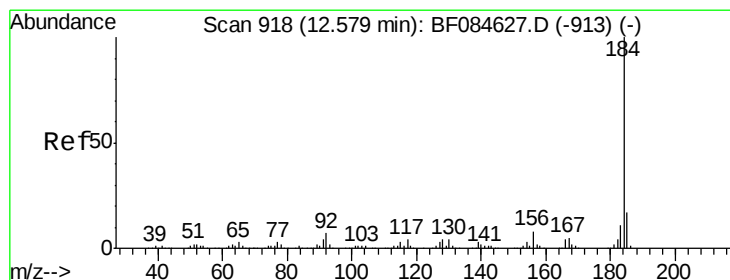
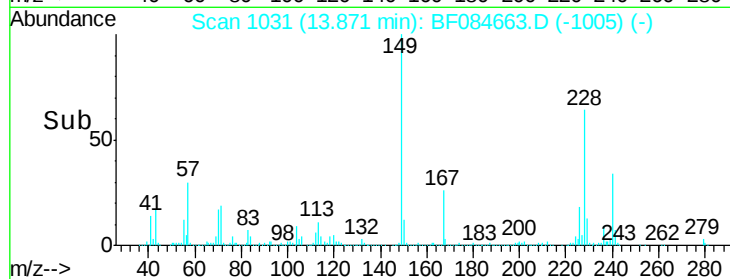
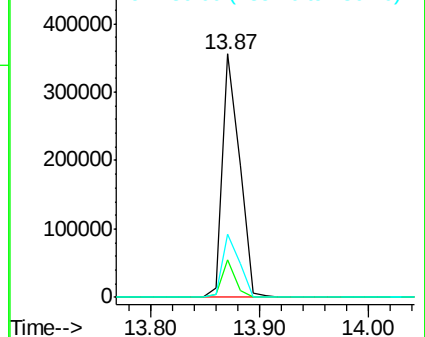
236 26.2 20.6 31.0



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: 37.57 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

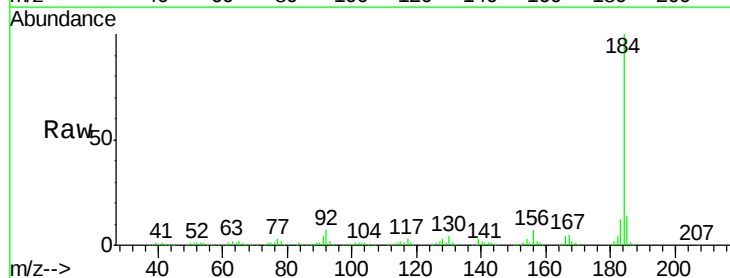
Tgt Ion:184 Resp: 565153

Ion Ratio Lower Upper

184 100

185 14.3 12.2 18.2

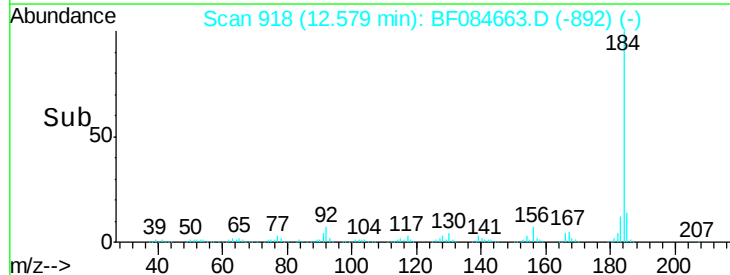
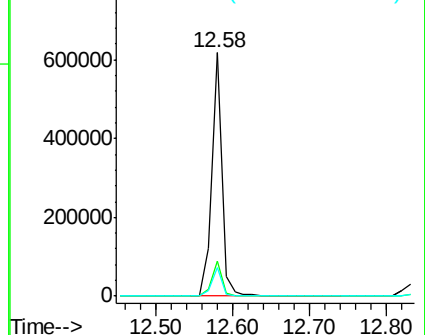
183 11.5 9.8 14.8

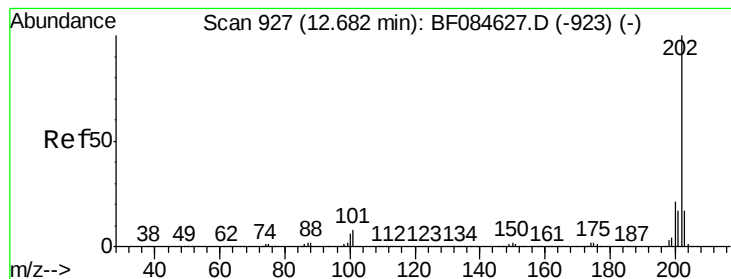


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 57.08 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

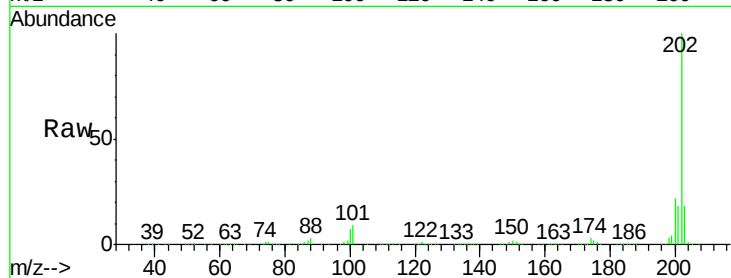
Tgt Ion:202 Resp: 1702835

Ion Ratio Lower Upper

202 100

200 22.4 17.2 25.8

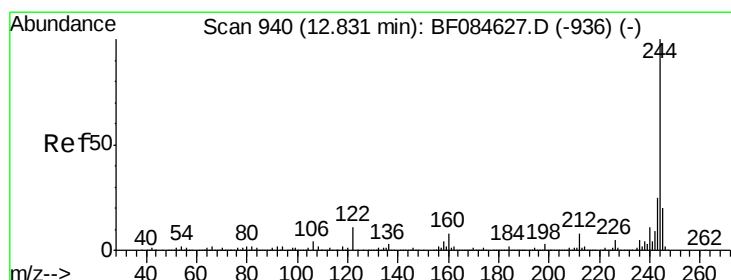
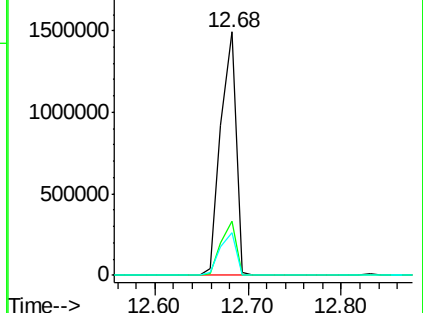
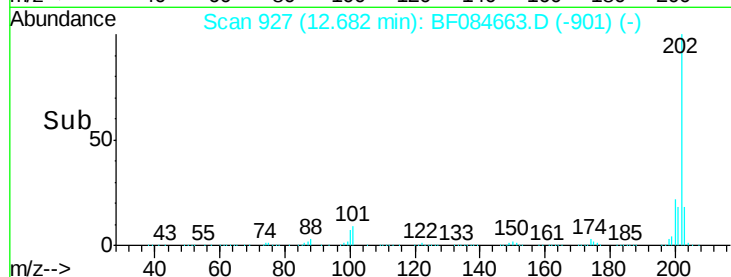
203 17.7 14.3 21.5



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: 109.19 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

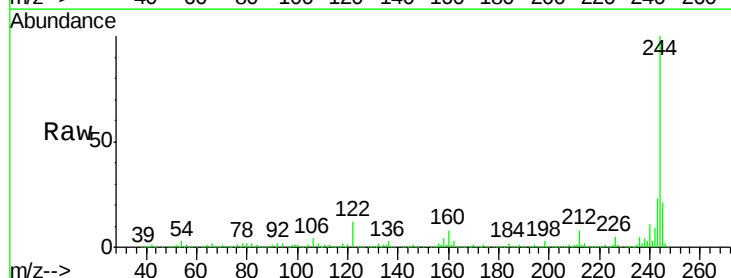
Tgt Ion:244 Resp: 1912364

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

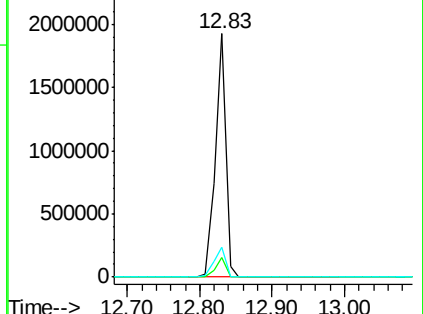
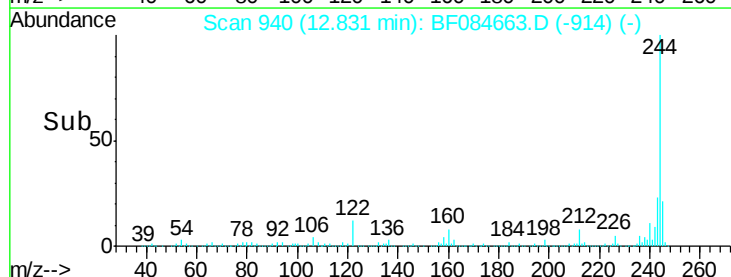
122 12.2 7.4 11.0#

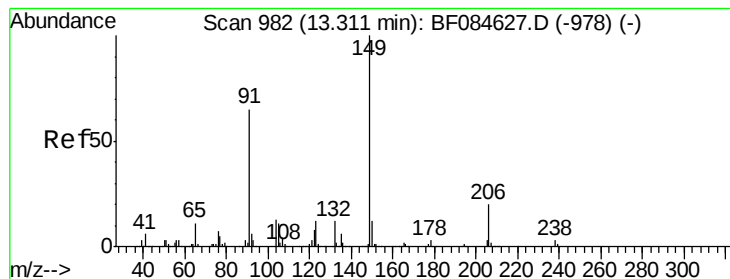


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 59.03 ng

RT: 13.31 min Scan# 982

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

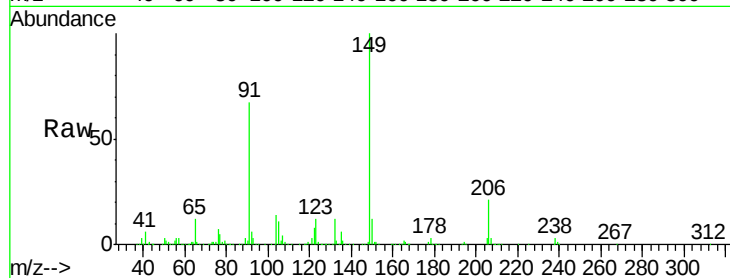
Tgt Ion:149 Resp: 752382

Ion Ratio Lower Upper

149 100

91 66.7 57.6 86.4

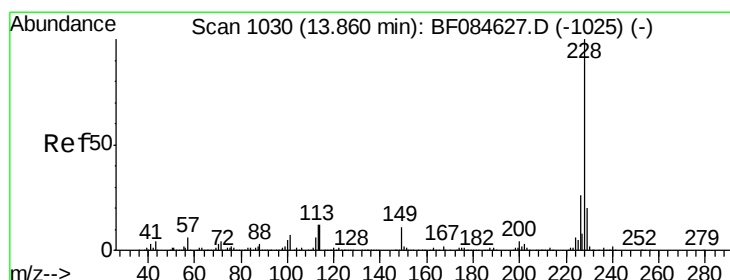
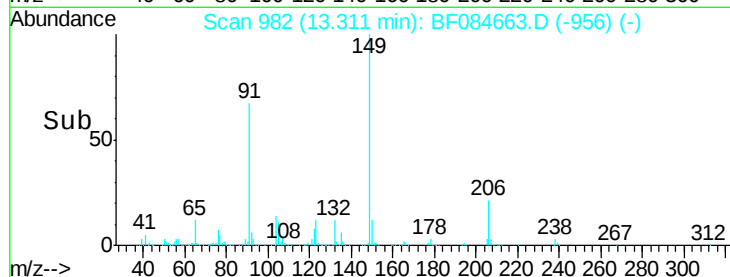
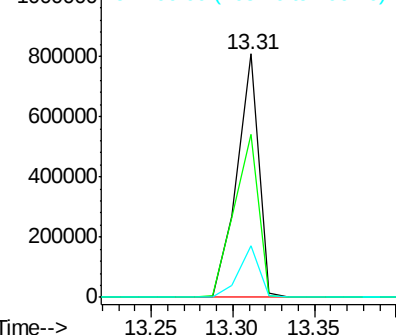
206 21.0 13.2 19.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 49.27 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

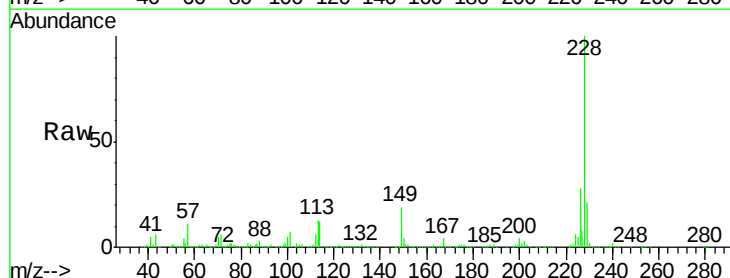
Tgt Ion:228 Resp: 1214810

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.6

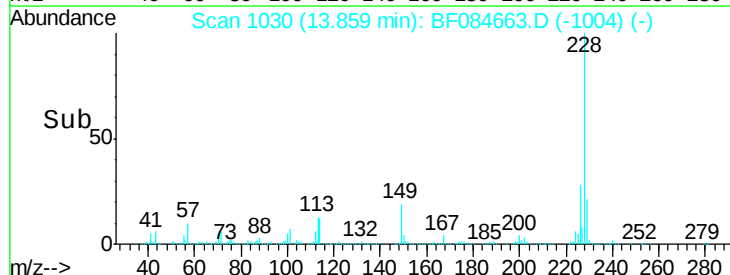
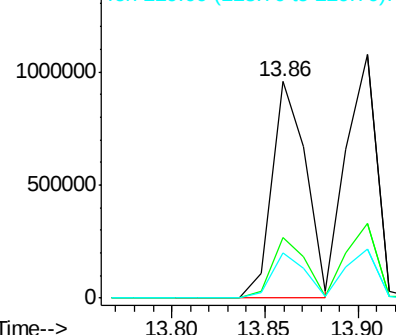
229 20.7 15.8 23.8

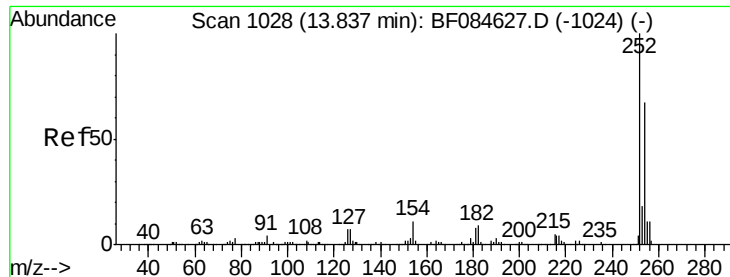


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

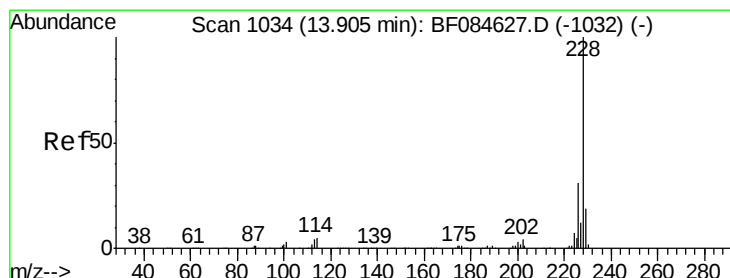
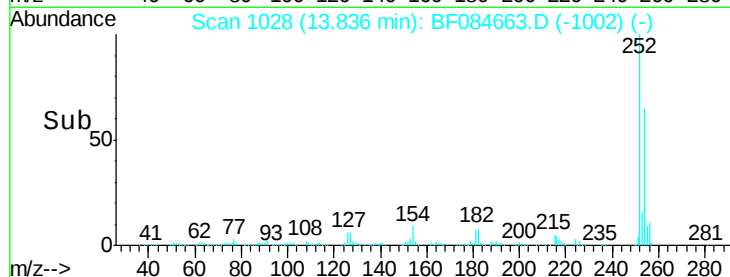
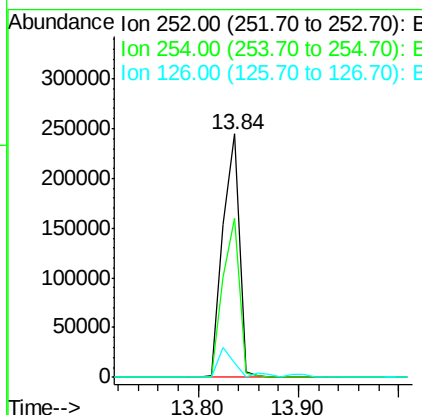
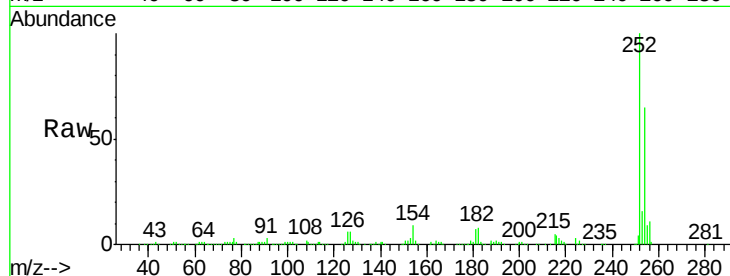




#81
 3,3'-Dichlorobenzidine
 Concen: 32.48 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

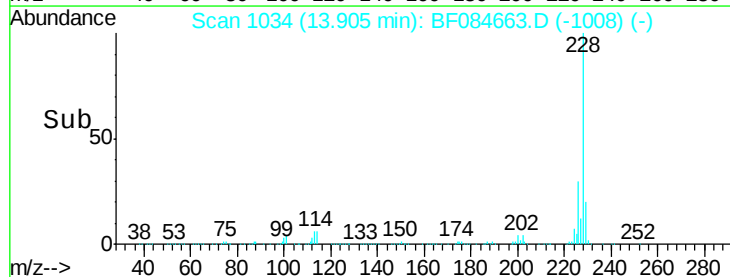
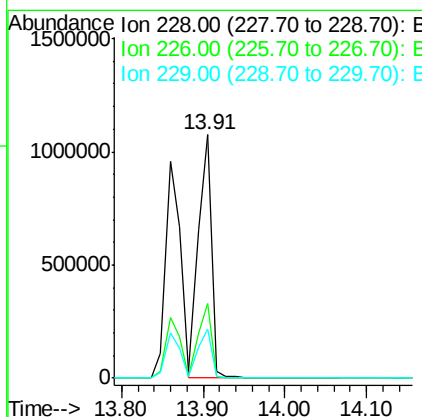
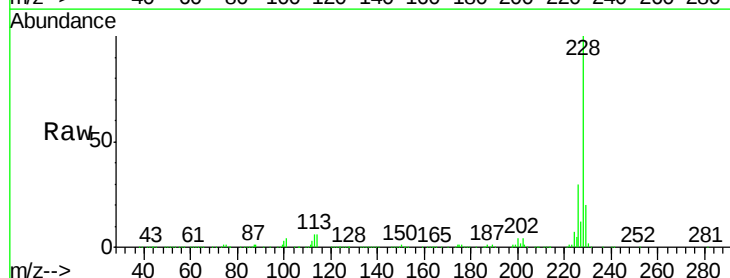
Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

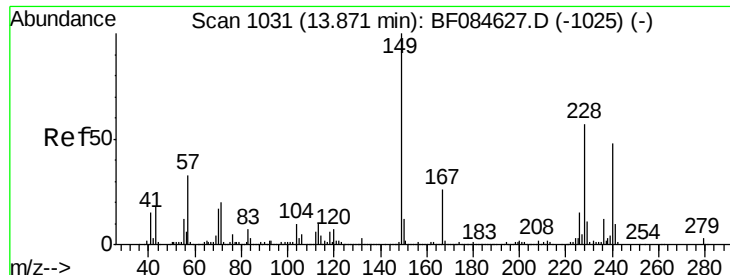
Tgt Ion:252 Resp: 281816
 Ion Ratio Lower Upper
 252 100
 254 65.4 53.5 80.3
 126 6.1 4.9 7.3



#82
 Chrysene
 Concen: 50.43 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion:228 Resp: 1225597
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.3 36.5
 229 19.9 16.1 24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 55.35 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

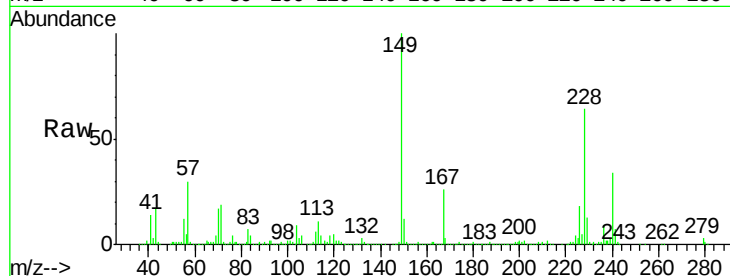
Tgt Ion:149 Resp: 915056

Ion Ratio Lower Upper

149 100

167 26.0 19.7 29.5

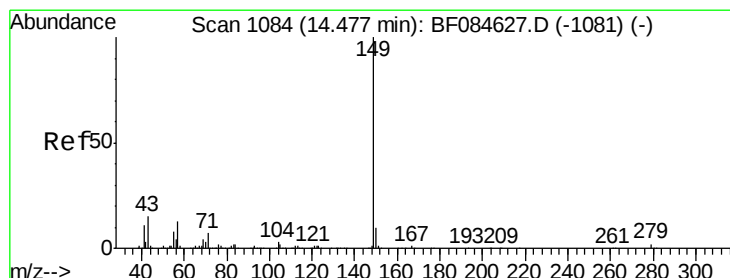
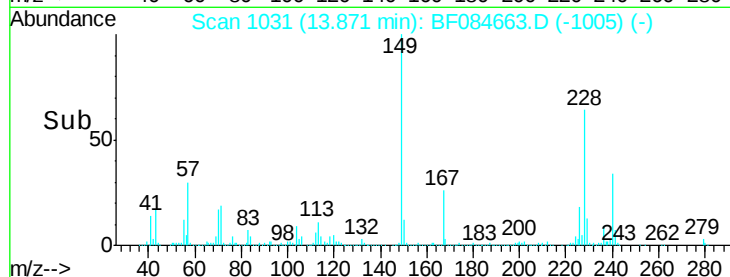
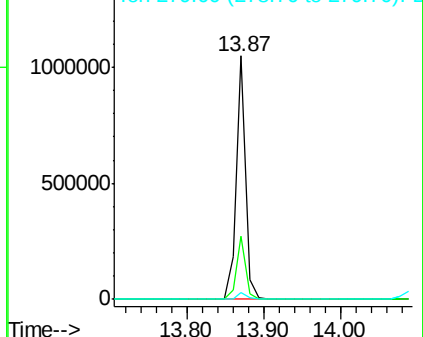
279 2.6 1.8 2.6



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: 54.16 ng

RT: 14.48 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

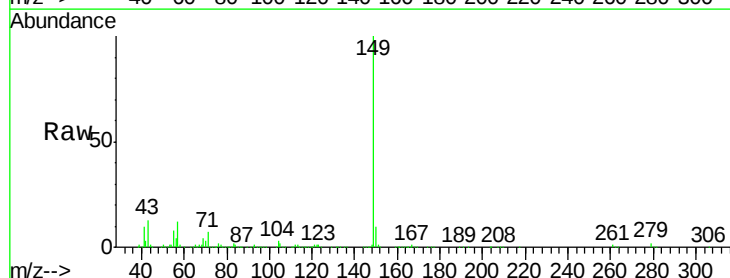
Tgt Ion:149 Resp: 1414878

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

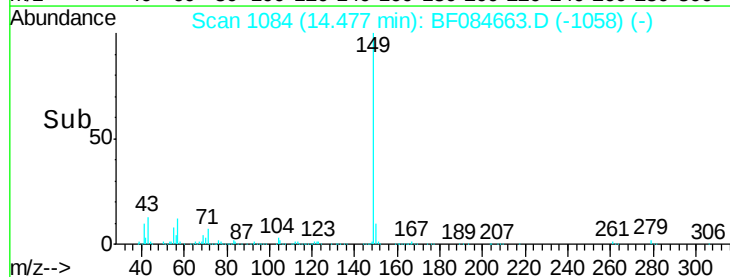
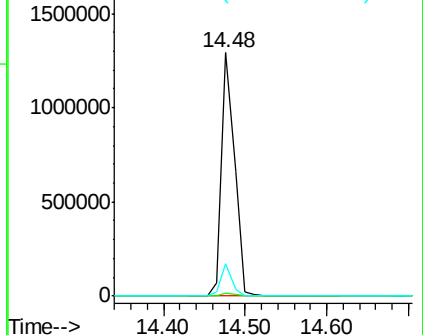
43 11.2 5.6 8.4#

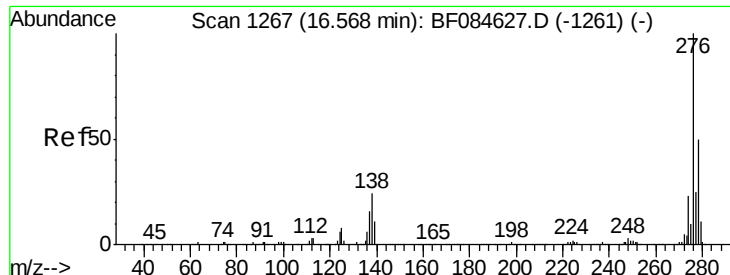


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

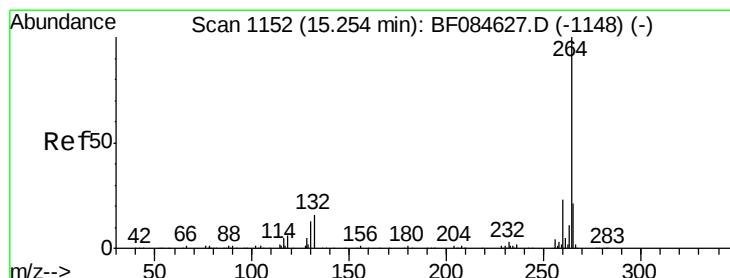
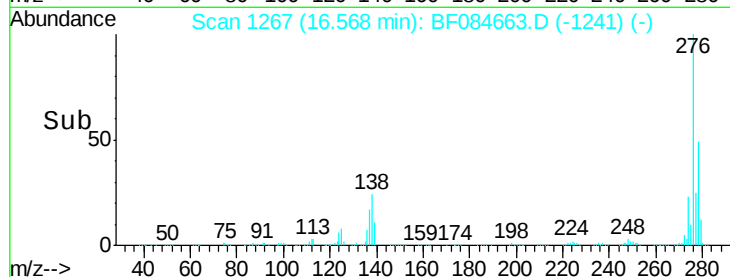
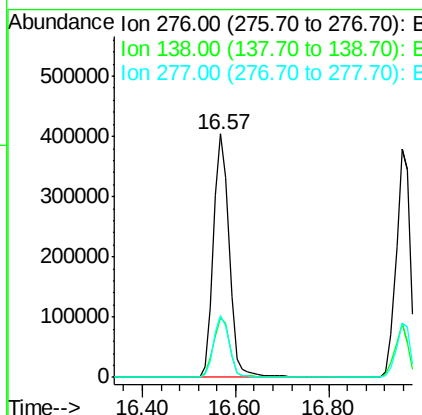
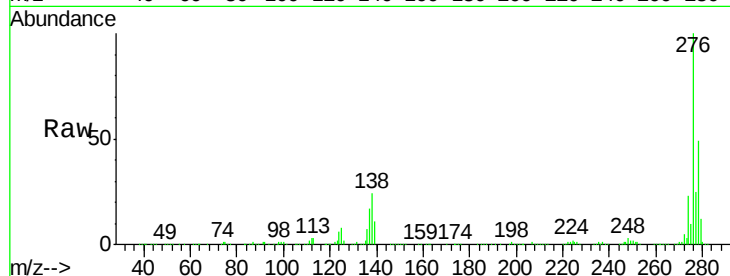




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.50 ng
 RT: 16.57 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

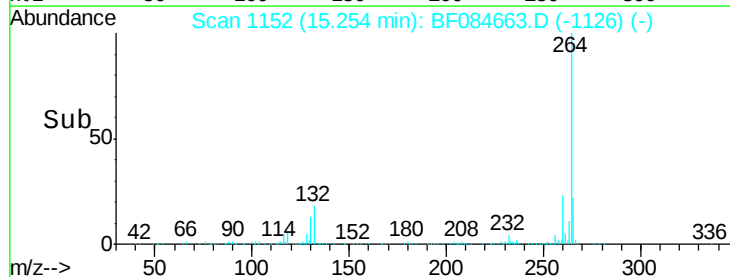
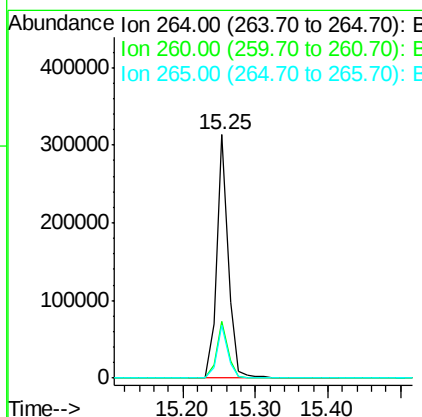
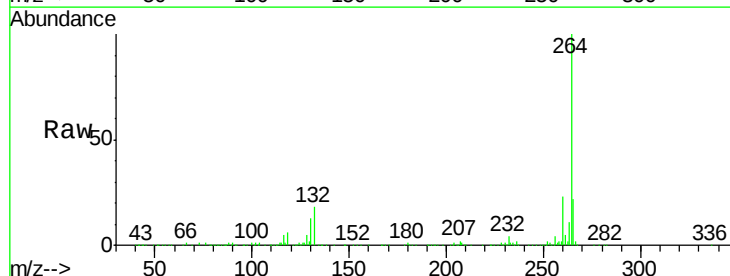
Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

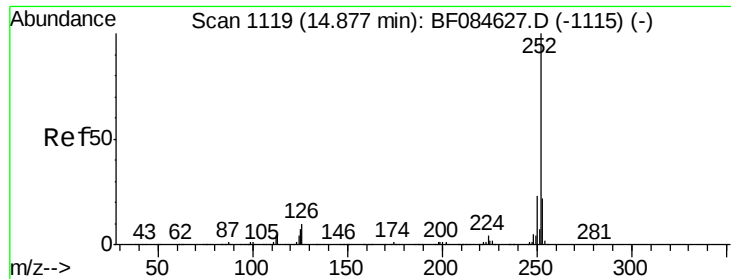
Tgt Ion: 276 Resp: 956293
 Ion Ratio Lower Upper
 276 100
 138 25.2 20.6 30.8
 277 25.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion: 264 Resp: 344105
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.4 29.2
 265 21.7 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 89.84 ng

RT: 14.90 min Scan# 1121

Delta R.T. 0.02 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

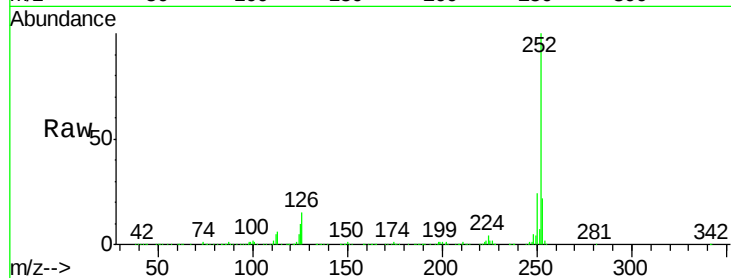
Tgt Ion:252 Resp: 2001813

Ion Ratio Lower Upper

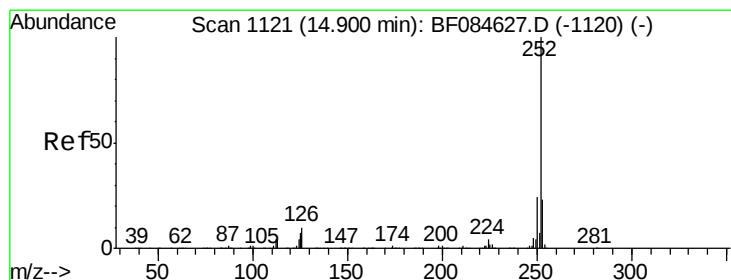
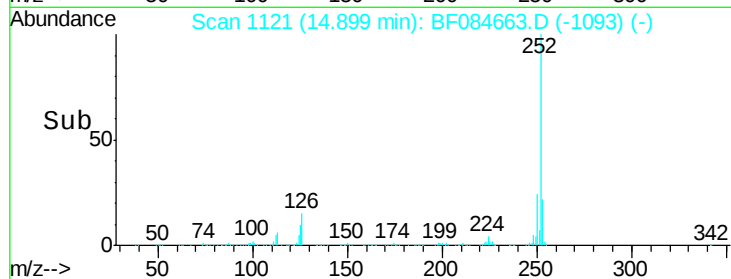
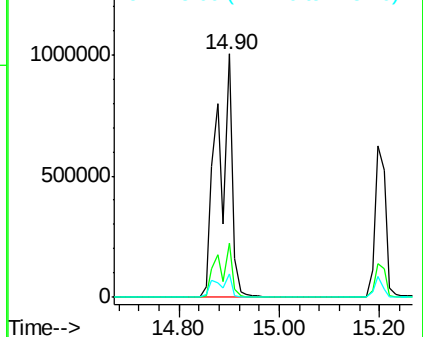
252 100

253 22.2 17.3 25.9

125 9.9 6.5 9.7#



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



#88

Benzo(k)fluoranthene

Concen: 108.86 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

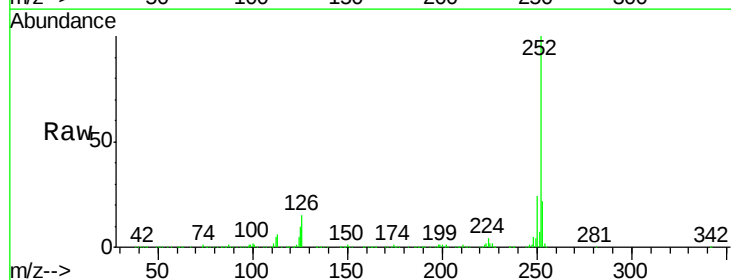
Tgt Ion:252 Resp: 2003455

Ion Ratio Lower Upper

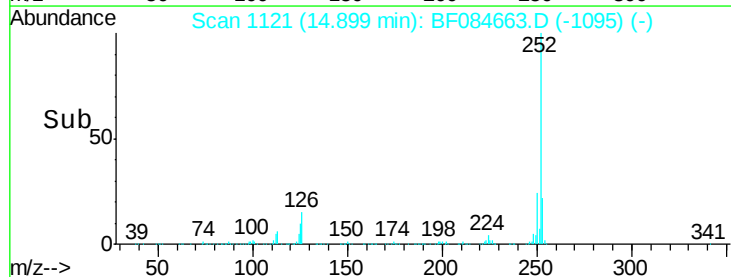
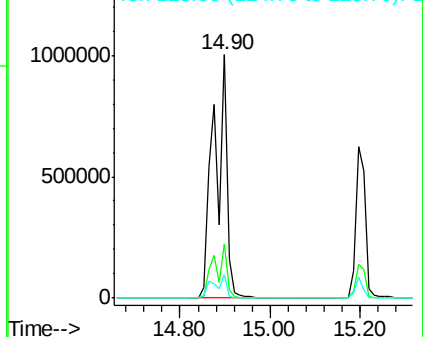
252 100

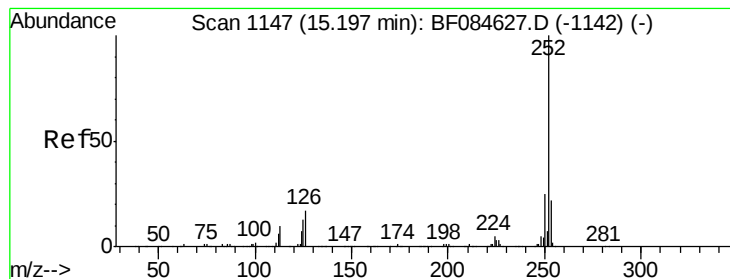
253 22.2 18.1 27.1

125 9.9 9.0 13.6



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





#89

Benzo(a)pyrene

Concen: 47.43 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

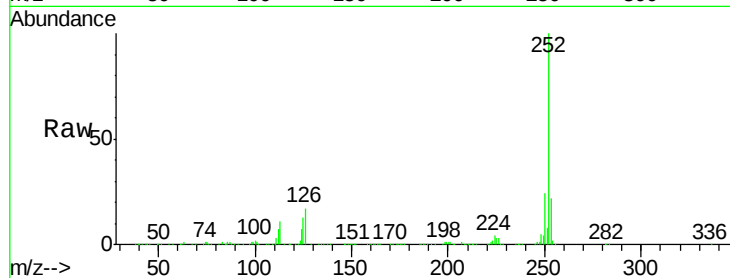
Tgt Ion:252 Resp: 914296

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

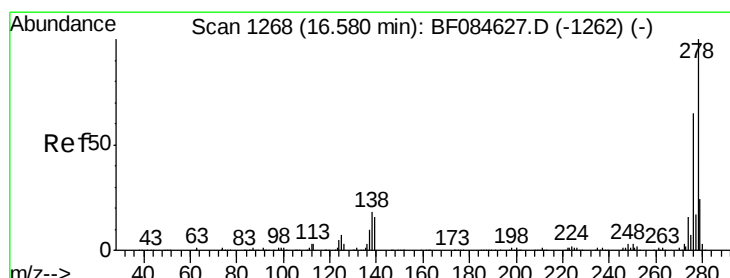
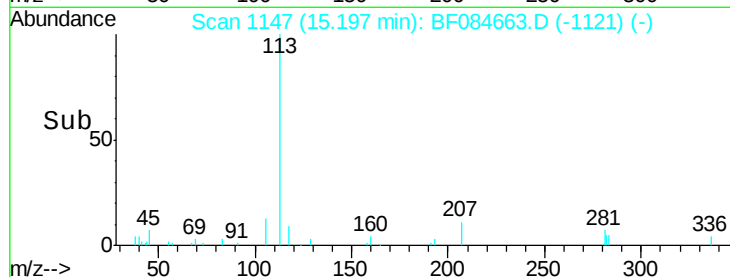
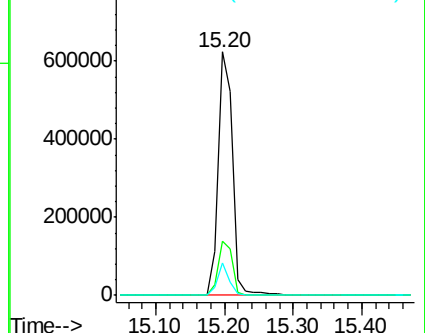
125 13.4 7.0 10.4#



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: 45.55 ng

RT: 16.58 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

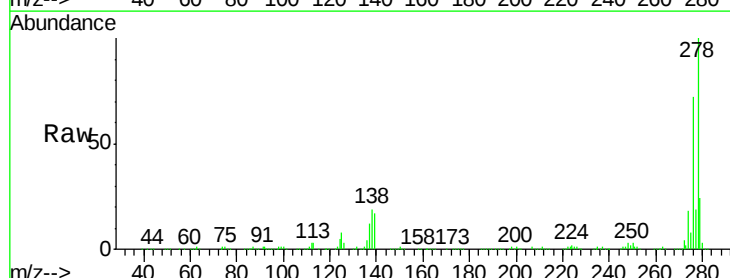
Tgt Ion:278 Resp: 791253

Ion Ratio Lower Upper

278 100

139 17.1 15.0 22.4

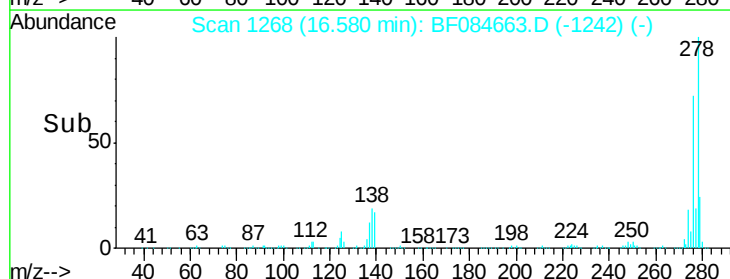
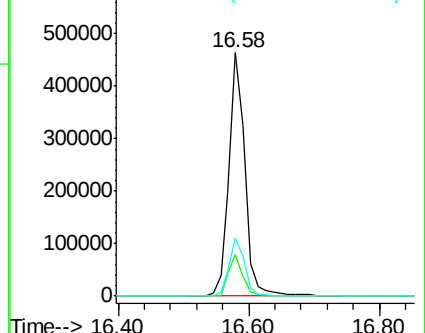
279 24.1 18.9 28.3

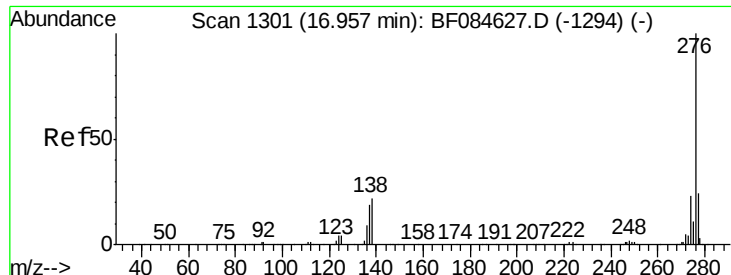


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 46.46 ng

RT: 16.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

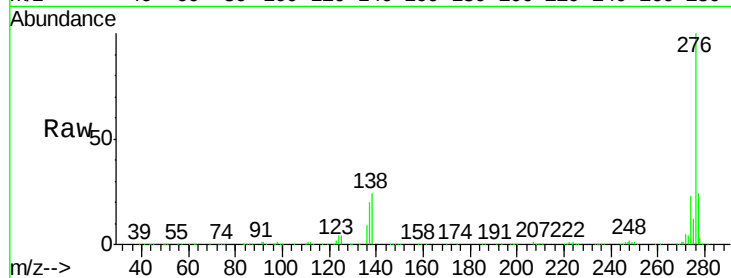
Tgt Ion: 276 Resp: 814734

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 23.9 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

