

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097605.D
 Acq On : 11 Aug 2017 20:47
 Operator : SJ/JU
 Sample : I4631-03MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Quant Time: Aug 12 00:52:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	94614	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	404601	20.00	ng	0.00
38) Acenaphthene-d10	12.37	164	169201	20.00	ng	0.00
63) Phenanthrene-d10	14.77	188	253073	20.00	ng	0.00
75) Chrysene-d12	18.48	240	165386	20.00	ng	0.02
86) Perylene-d12	20.14	264	179586	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	435100	73.10	ng	0.02
7) Phenol-d6	7.07	99	315590	42.74	ng	0.01
23) Nitrobenzene-d5	8.43	82	558349	86.53	ng	0.00
41) 2,4,6-Tribromophenol	13.67	330	154441	120.07	ng	0.01
44) 2-Fluorobiphenyl	11.32	172	927300	82.71	ng	0.00
78) Terphenyl-d14	17.13	244	495135	61.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.84	88	35896	13.90	ng	# 70
3) Pyridine	2.51	79	45971	6.10	ng	# 61
4) n-Nitrosodimethylamine	2.40	42	57998	13.27	ng	# 74
6) Aniline	7.02	93	104804	9.88	ng	98
8) 2-Chlorophenol	7.20	128	263767	38.66	ng	92
9) Benzaldehyde	6.82	77	140202	28.79	ng	92
10) Phenol	7.09	94	101225	12.52	ng	99
11) bis(2-Chloroethyl)ether	7.15	93	299386	46.17	ng	90
12) 1,3-Dichlorobenzene	7.41	146	267511	35.01	ng	99
13) 1,4-Dichlorobenzene	7.54	146	295694	38.02	ng	95
14) 1,2-Dichlorobenzene	7.77	146	282502	39.80	ng	98
15) Benzyl Alcohol	7.81	79	136770	26.80	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.00	45	606168	41.63	ng	89
17) 2-Methylphenol	8.04	107	176276	33.33	ng	98
18) Hexachloroethane	8.29	117	94847	35.64	ng	# 78
19) n-Nitroso-di-n-propylamine	8.24	70	227236	44.24	ng	# 84
20) 3+4-Methylphenols	8.30	107	193570	29.89	ng	# 59
22) Acetophenone	8.19	105	435653	45.58	ng	# 97
24) Nitrobenzene	8.45	77	293234	41.70	ng	95
25) Isophorone	8.86	82	594387	50.01	ng	97
26) 2-Nitrophenol	8.96	139	171369	48.18	ng	# 85
27) 2,4-Dimethylphenol	9.11	122	250858	42.30	ng	96
28) bis(2-Chloroethoxy)methane	9.23	93	373001	43.43	ng	99
29) 2,4-Dichlorophenol	9.40	162	202718	38.76	ng	94
30) 1,2,4-Trichlorobenzene	9.47	180	204880	39.51	ng	97
31) Naphthalene	9.57	128	851433	42.01	ng	99
32) Benzoic acid	9.40	122	31158	9.75	ng	92
33) 4-Chloroaniline	9.73	127	134581	16.03	ng	96
34) Hexachlorobutadiene	9.79	225	99783	35.23	ng	96
35) Caprolactam	10.40	113	7949	4.72	ng	# 27
36) 4-Chloro-3-methylphenol	10.58	107	204762	34.85	ng	88
37) 2-Methylnaphthalene	10.70	142	552540	43.33	ng	99
39) 1,2,4,5-Tetrachlorobenzene	10.98	216	201750	42.11	ng	99
40) Hexachlorocyclopentadiene	10.96	237	85249	85.80	ng	97

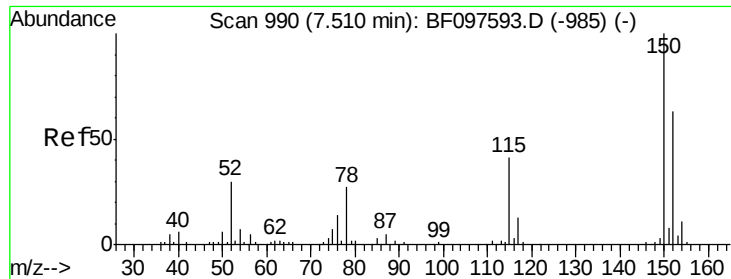
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097605.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.20	196	127680	40.45	nq	98
43) 2,4,5-Trichlorophenol	11.29	196	117414	39.38	nq	97
45) 1,1'-Biphenyl	11.47	154	570904	39.33	nq	97
46) 2-Chloronaphthalene	11.49	162	425044	38.13	nq	# 92
47) 2-Nitroaniline	11.70	65	175323	40.15	nq	94
48) Acenaphthylene	12.14	152	723463	40.83	nq	99
49) Dimethylphthalate	12.03	163	569685	43.69	nq	99
50) 2,6-Dinitrotoluene	12.12	165	111660	41.47	nq	# 65
51) Acenaphthene	12.43	154	413099	38.90	nq	98
52) 3-Nitroaniline	12.38	138	61788	17.52	nq	# 90
53) 2,4-Dinitrophenol	12.60	184	93135	83.90	nq	# 68
54) Dibenzofuran	12.71	168	663154	44.61	nq	97
55) 4-Nitrophenol	12.71	139	264707	197.14	nq	# 30
56) 2,4-Dinitrotoluene	12.78	165	157054	43.70	nq	# 70
57) Fluorene	13.26	166	519577	42.50	nq	99
58) 2,3,4,6-Tetrachlorophenol	12.96	232	86154	42.08	nq	# 90
59) Diethylphthalate	13.17	149	541154	43.94	nq	99
60) 4-Chlorophenyl-phenylether	13.29	204	226575	43.41	nq	97
61) 4-Nitroaniline	13.38	138	64518	19.18	nq	92
62) Azobenzene	13.55	77	563595	46.00	nq	92
64) 4,6-Dinitro-2-methylphenol	13.46	198	67175	43.51	nq	91
65) n-Nitrosodiphenylamine	13.50	169	430680	46.05	nq	98
66) 4-Bromophenyl-phenylether	14.08	248	122550	46.68	nq	97
67) Hexachlorobenzene	14.16	284	128180	44.82	nq	# 84
68) Atrazine	14.47	200	77261	32.93	nq	93
69) Pentachlorophenol	14.53	266	59224	123.14	nq	99
70) Phenanthrene	14.81	178	612826	42.04	nq	99
71) Anthracene	14.90	178	618233	41.45	nq	99
72) Carbazole	15.19	167	523624	36.88	nq	99
73) Di-n-butylphthalate	15.77	149	715565	43.06	nq	99
74) Fluoranthene	16.57	202	504980	38.34	nq	98
76) Benzidine	16.79	184	506	0.09	nq	# 1
77) Pyrene	16.88	202	503562	36.82	nq	100
79) Butylbenzylphthalate	17.80	149	256646	44.89	nq	# 75
80) Benzo(a)anthracene	18.47	228	412103	42.66	nq	98
81) 3,3'-Dichlorobenzidine	18.46	252	337	0.10	nq	# 1
82) Chrysene	18.51	228	403395	41.99	nq	99
83) Bis(2-ethylhexyl)phthalate	18.55	149	364176	44.78	nq	99
84) Di-n-octyl phthalate	19.32	149	649863	45.76	nq	# 89
85) Indeno(1,2,3-cd)pyrene	21.37	276	489937	65.57	nq	98
87) Benzo(b)fluoranthene	19.74	252	450531	41.78	nq	97
88) Benzo(k)fluoranthene	19.77	252	394579	36.33	nq	96
89) Benzo(a)pyrene	20.09	252	419013	42.33	nq	98
90) Dibenzo(a,h)anthracene	21.38	278	403343	56.91	nq	97
91) Benzo(g,h,i)perylene	21.72	276	437499	56.27	nq	98

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

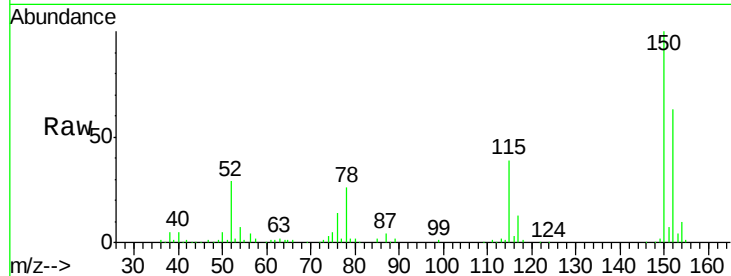


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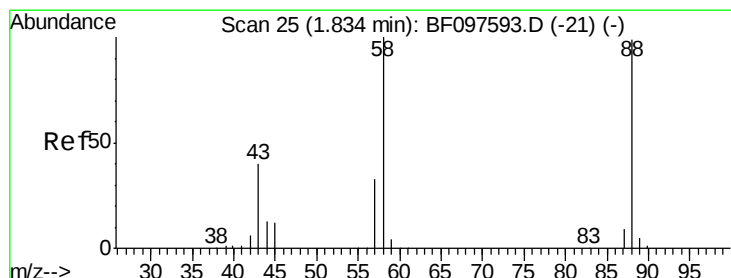
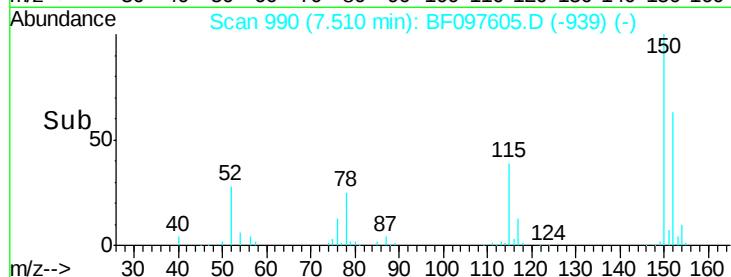
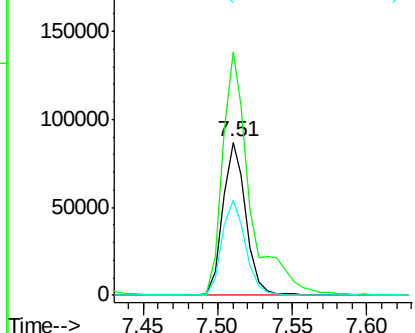
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Concen: 20.00 ng
RT: 7.51 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:152 Resp: 94614
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 61.7 52.2 78.2



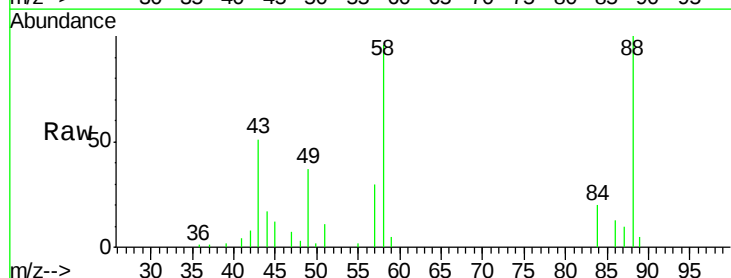
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



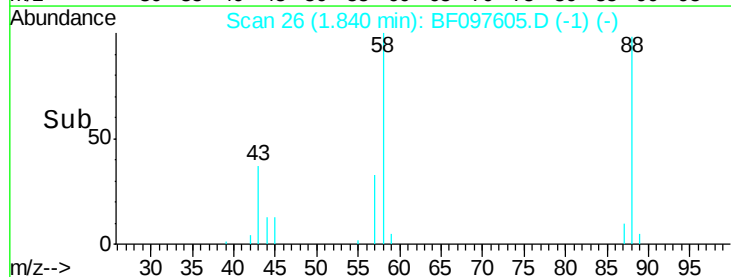
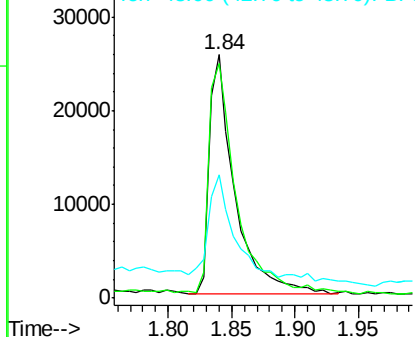
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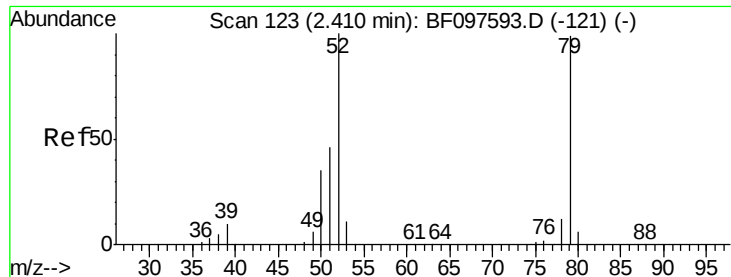
1,4-Dioxane
Concen: 13.90 ng
RT: 1.84 min Scan# 26
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion: 88 Resp: 35896
Ion Ratio Lower Upper
88 100
58 106.5 61.4 92.0#
43 38.1 23.4 35.0#



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





#3

Pvridine

Concen: 6.10 ng

RT: 2.51 min Scan# 140

Delta R.T. 0.10 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

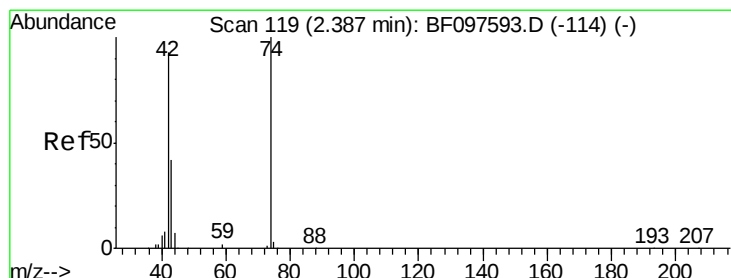
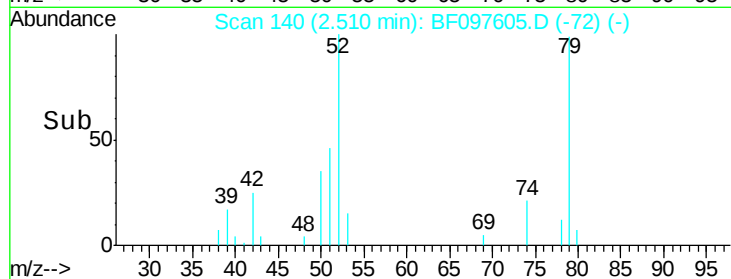
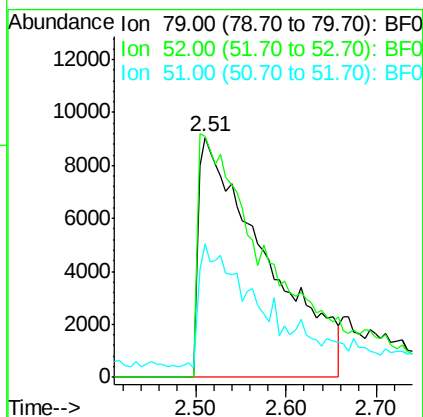
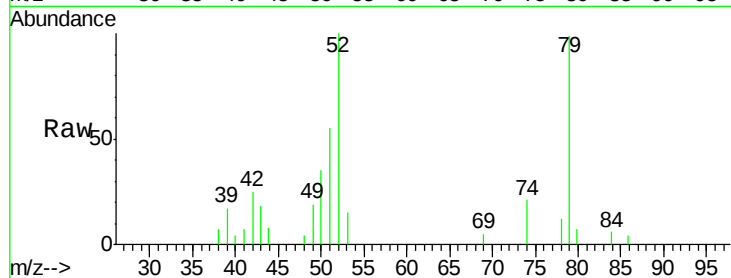
Tot Ion: 79 Resp: 45971

Ion Ratio Lower Upper

79 100

52 100.5 54.8 82.2#

51 55.6 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 13.27 ng

RT: 2.40 min Scan# 121

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

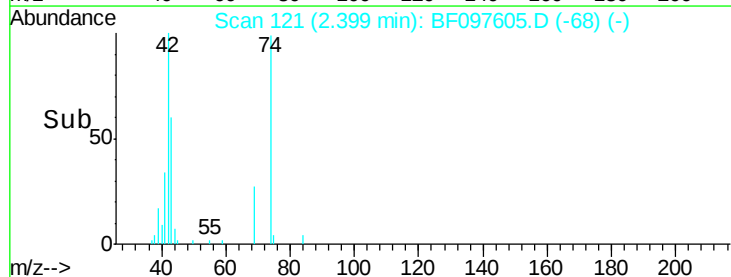
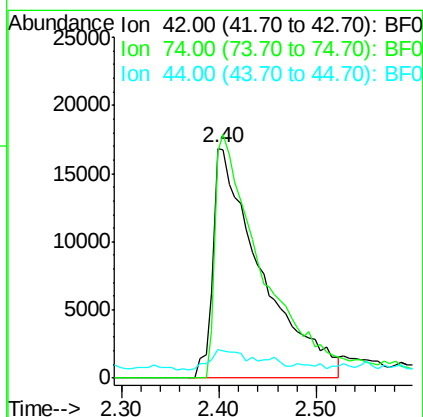
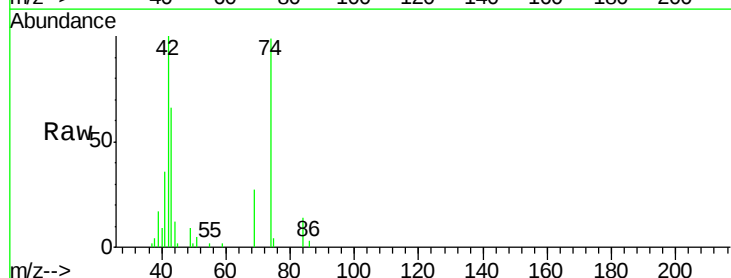
Tgt Ion: 42 Resp: 57998

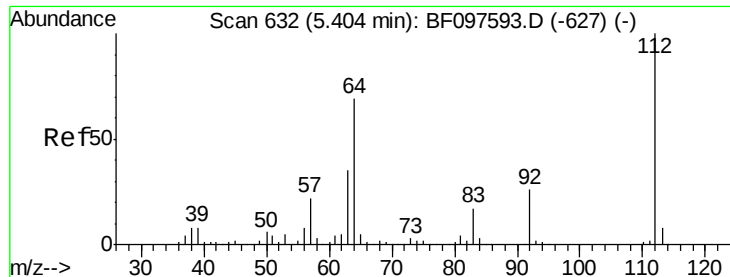
Ion Ratio Lower Upper

42 100

74 98.7 103.9 155.9#

44 12.4 5.7 8.5#





#5

2-Fluorophenol

Concen: 73.10 ng

RT: 5.43 min Scan# 636

Delta R.T. 0.02 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

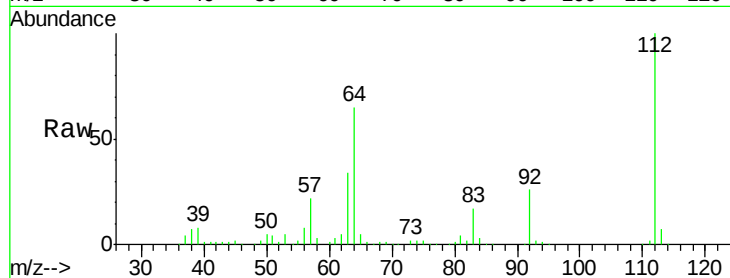
Tot Ion:112 Resp: 435100

Ion Ratio Lower Upper

112 100

64 65.1 46.0 69.0

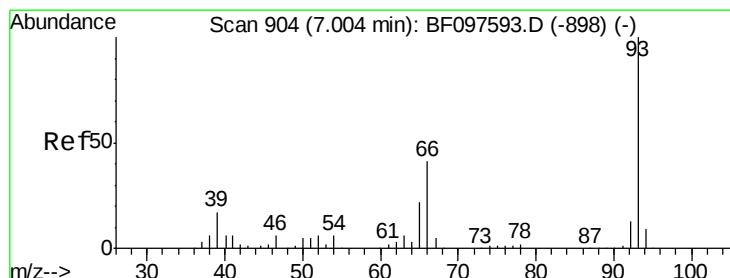
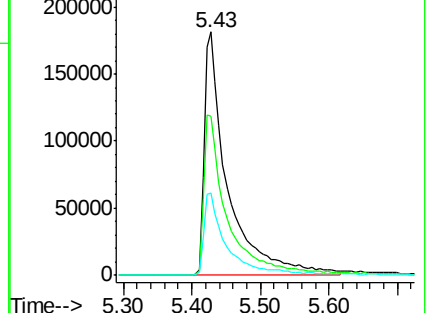
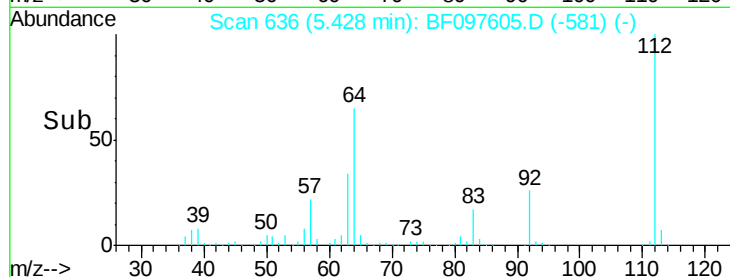
63 33.6 23.4 35.0



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: 9.88 ng

RT: 7.02 min Scan# 906

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

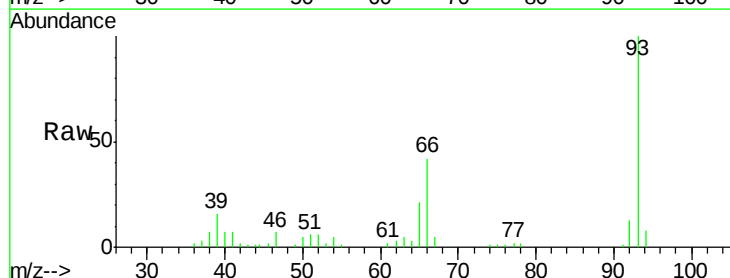
Tgt Ion: 93 Resp: 104804

Ion Ratio Lower Upper

93 100

66 42.1 32.9 49.3

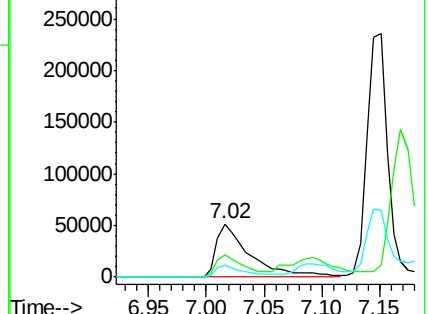
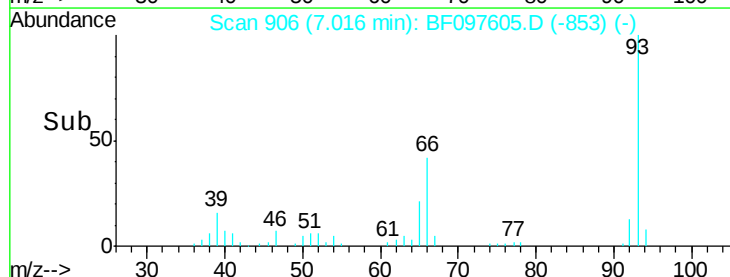
65 21.4 16.0 24.0

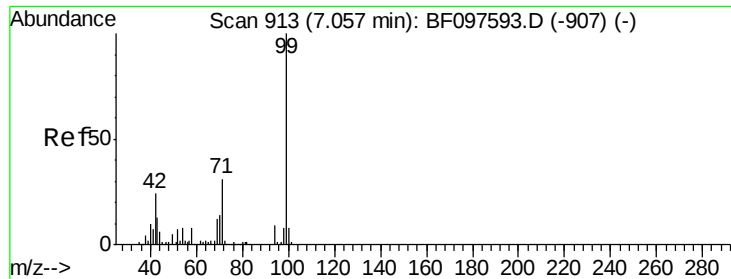


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 42.74 ng

RT: 7.07 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

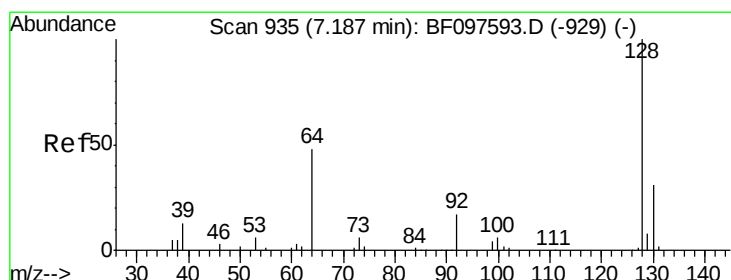
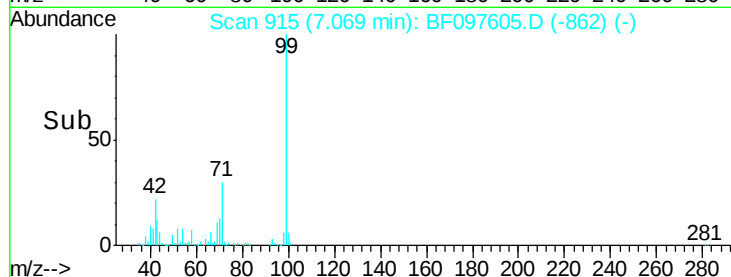
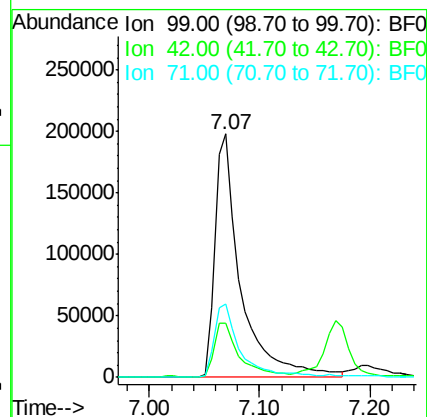
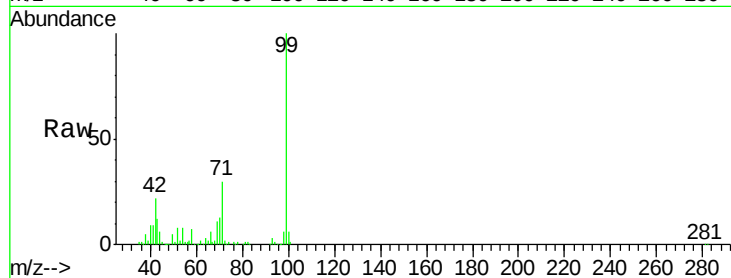
Tot Ion: 99 Resp: 315590

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

71 30.3 24.5 36.7



#8

2-Chlorophenol

Concen: 38.66 ng

RT: 7.20 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

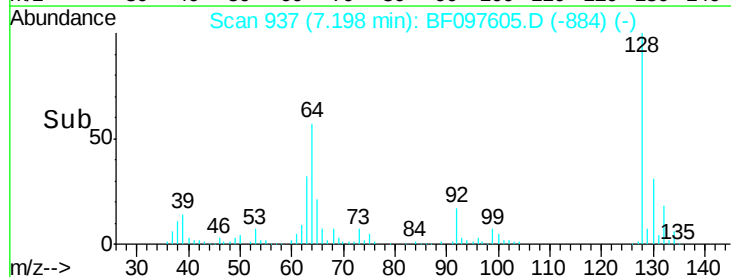
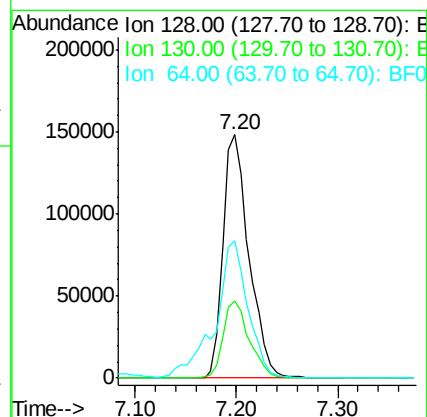
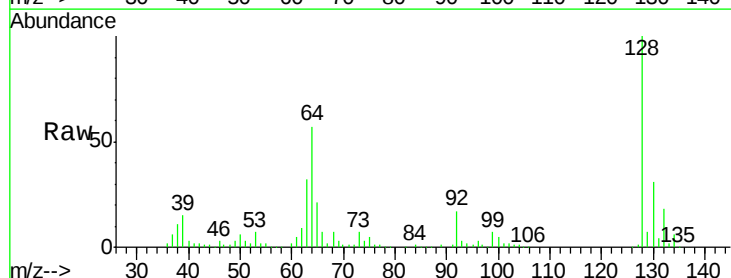
Tgt Ion: 128 Resp: 263767

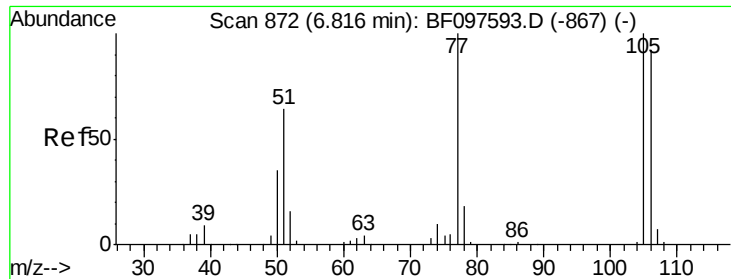
Ion Ratio Lower Upper

128 100

130 31.5 12.9 52.9

64 56.6 28.4 68.4

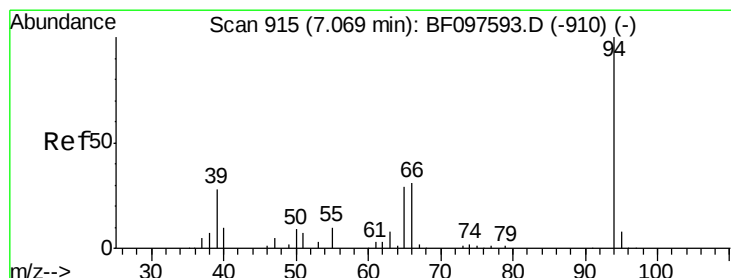
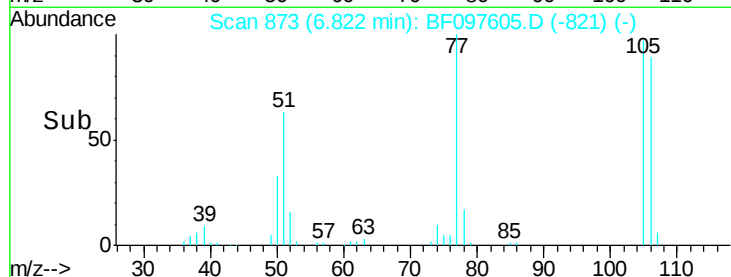
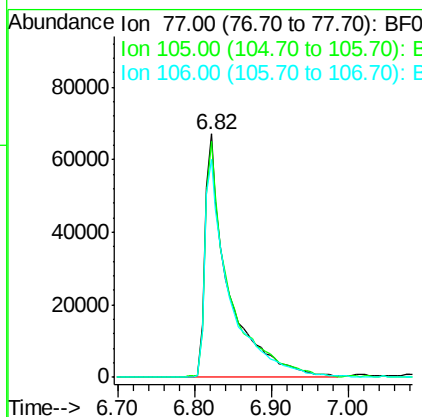
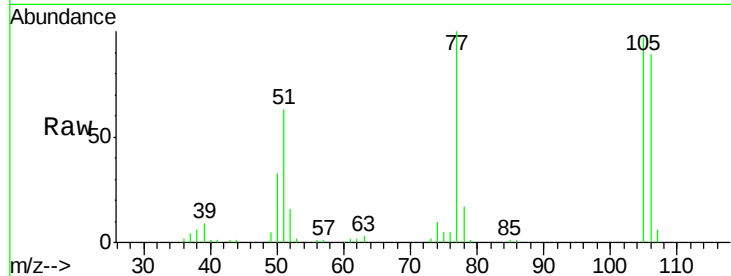




#9
Benzaldehyde
Concen: 28.79 ng
RT: 6.82 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

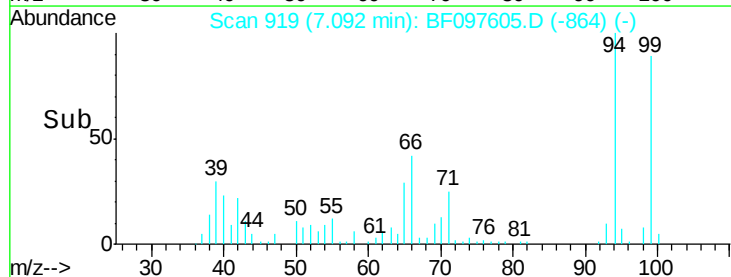
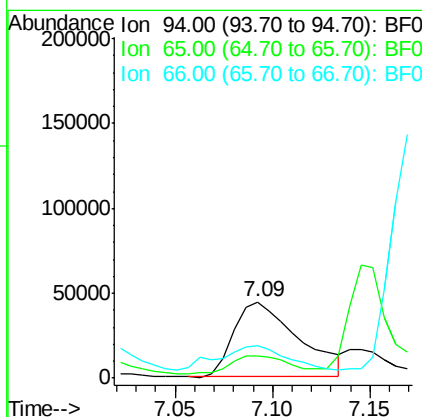
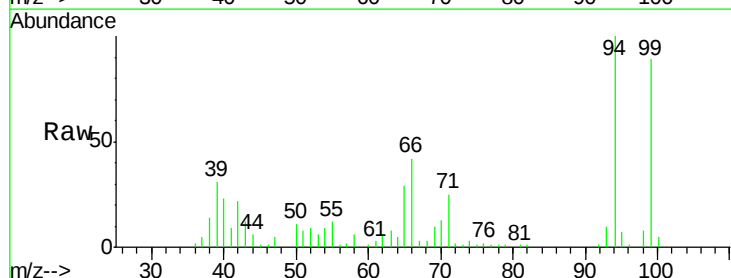
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

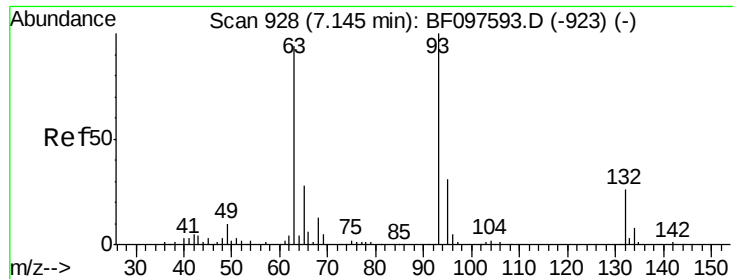
Tot Ion: 77 Resp: 140202
Ion Ratio Lower Upper
77 100
105 97.0 83.8 123.8
106 89.3 79.1 119.1



#10
Phenol
Concen: 12.52 ng
RT: 7.09 min Scan# 919
Delta R.T. 0.02 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion: 94 Resp: 101225
Ion Ratio Lower Upper
94 100
65 29.5 9.9 49.9
66 42.5 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 46.17 ng

RT: 7.15 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

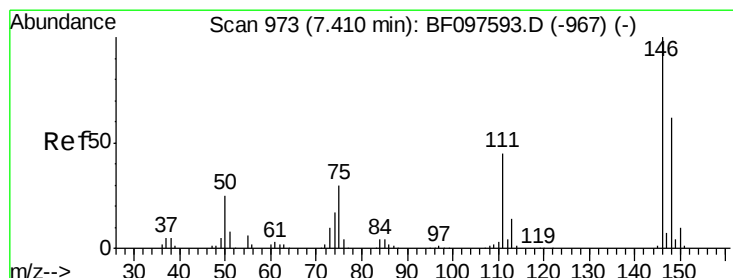
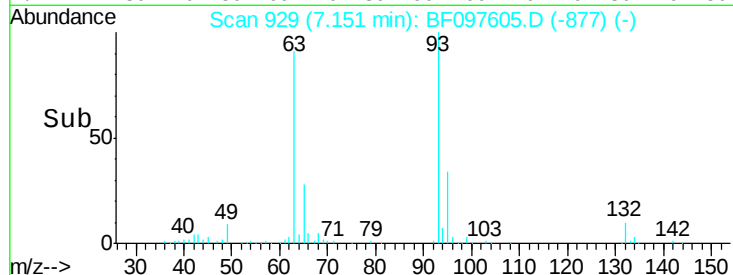
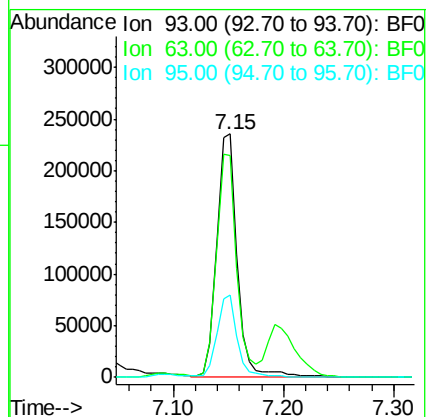
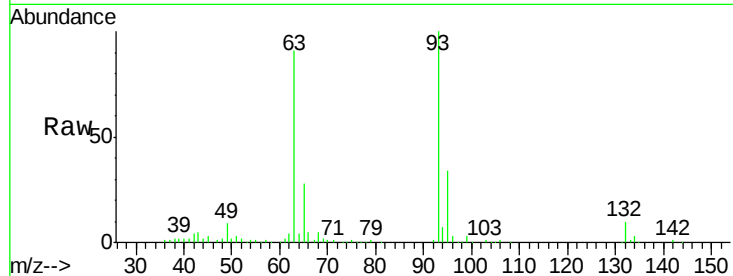
Tot Ion: 93 Resp: 299386

Ion Ratio Lower Upper

93 100

63 91.1 59.2 99.2

95 33.6 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 35.01 ng

RT: 7.41 min Scan# 973

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

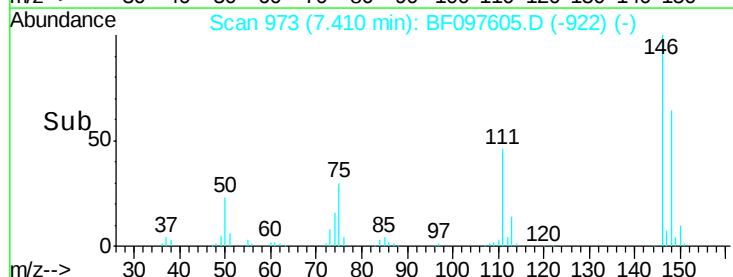
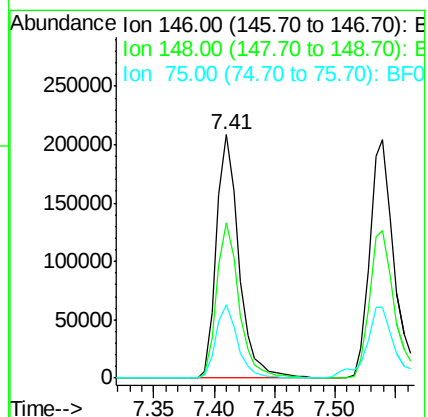
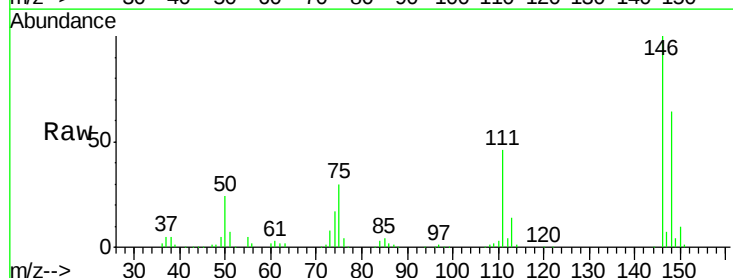
Tgt Ion: 146 Resp: 267511

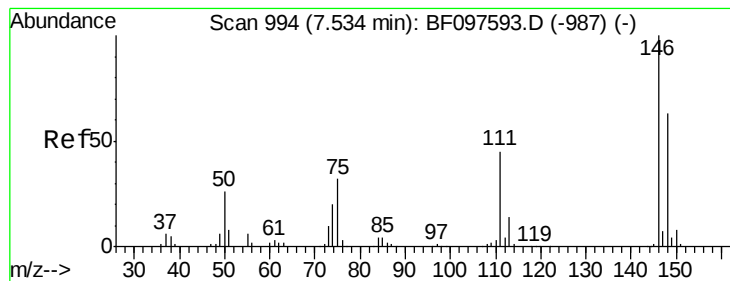
Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.6

75 30.4 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 38.02 ng

RT: 7.54 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

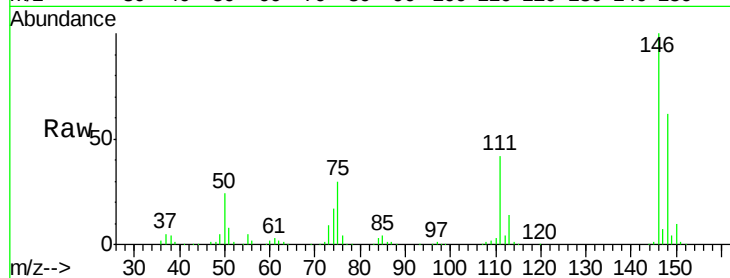
Tot Ion:146 Resp: 295694

Ion Ratio Lower Upper

146 100

148 61.8 52.2 78.2

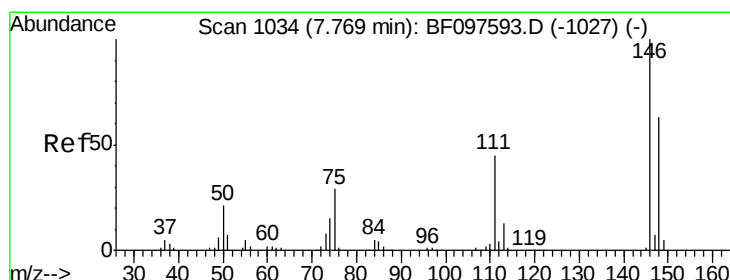
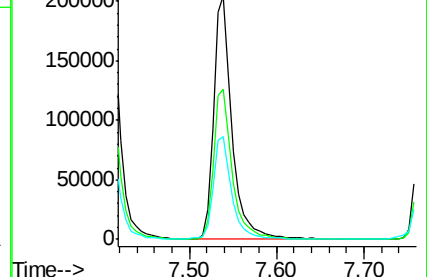
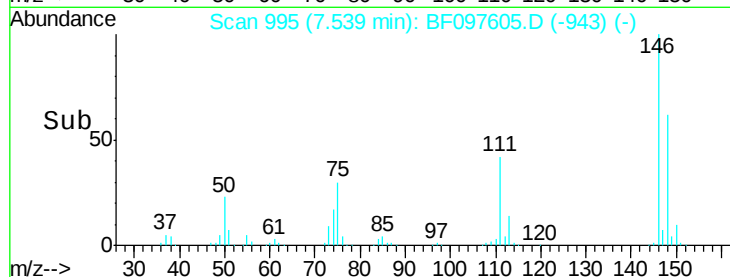
111 42.4 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.80 ng

RT: 7.77 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

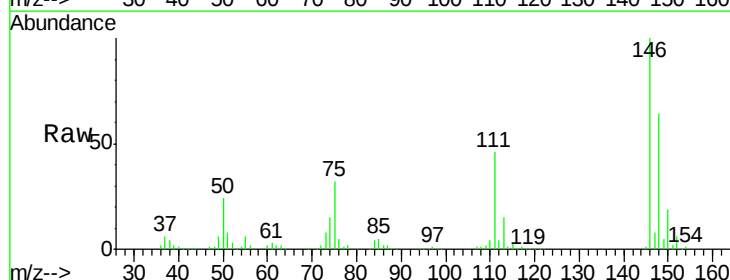
Tgt Ion:146 Resp: 282502

Ion Ratio Lower Upper

146 100

148 64.4 50.4 75.6

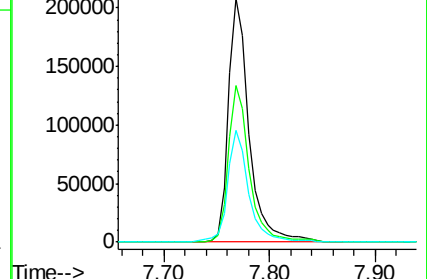
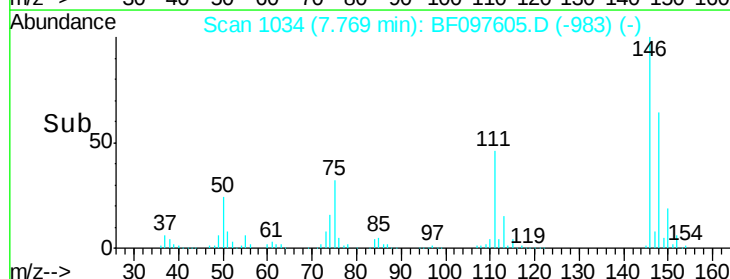
111 45.9 38.2 57.4

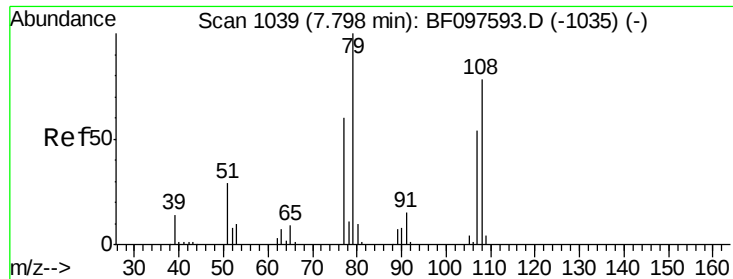


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

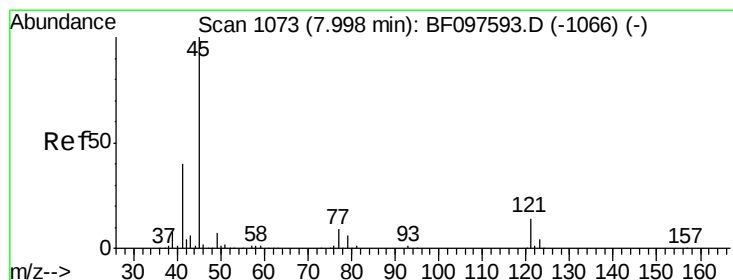
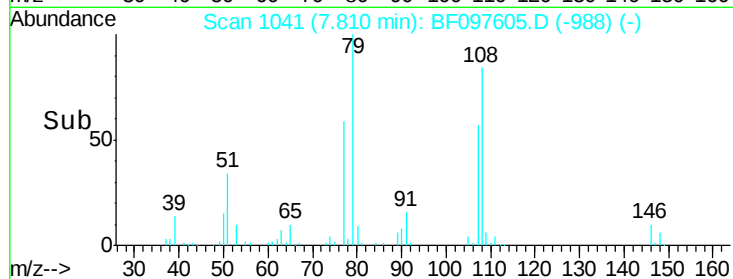
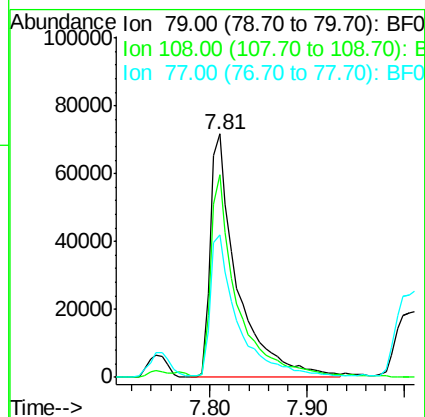
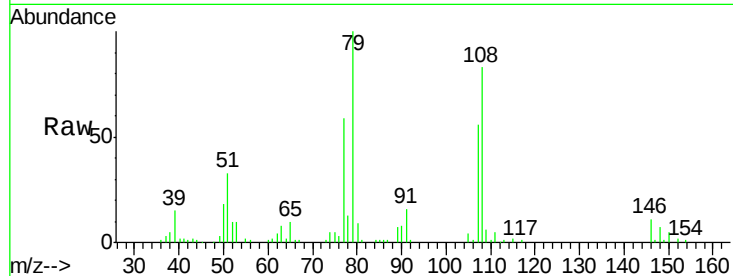




#15
Benzyl Alcohol
Concen: 26.80 ng
RT: 7.81 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

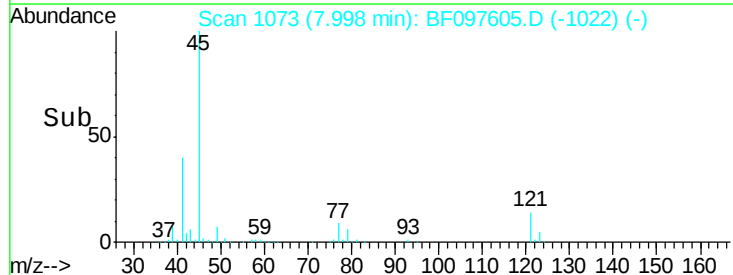
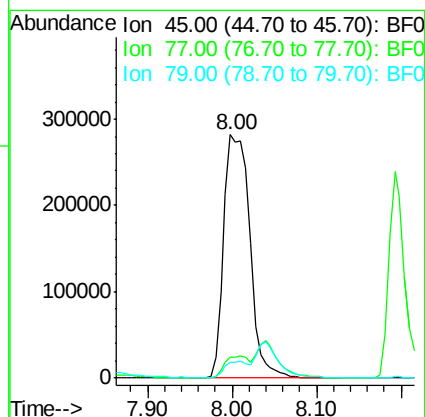
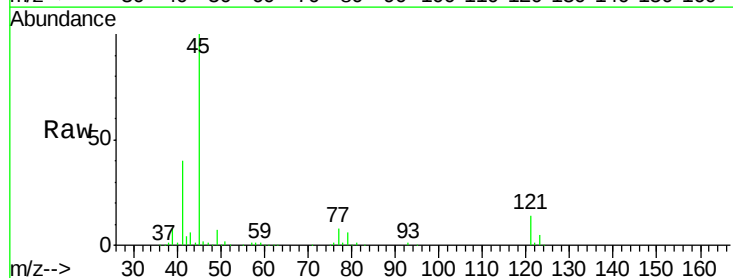
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

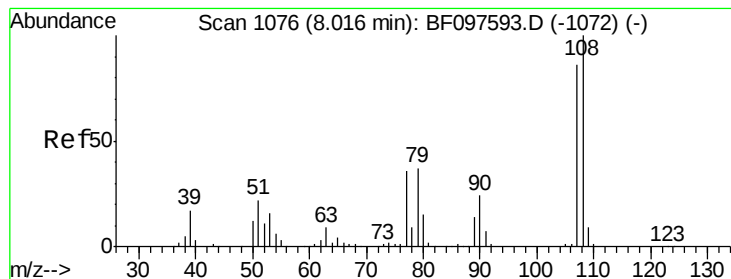
Tot Ion: 79 Resp: 136770
Ion Ratio Lower Upper
79 100
108 83.1 63.4 95.0
77 58.7 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.63 ng
RT: 8.00 min Scan# 1073
Delta R.T. -0.00 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion: 45 Resp: 606168
Ion Ratio Lower Upper
45 100
77 8.5 0.0 33.2
79 6.4 0.0 30.0





#17

2-Methylphenol

Concen: 33.33 ng

RT: 8.04 min Scan# 1080

Delta R.T. 0.02 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion:107 Resp: 176276

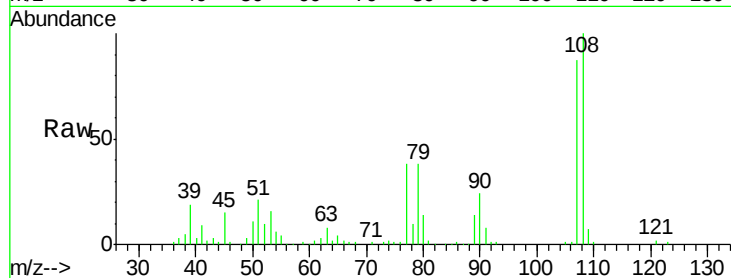
Ion Ratio Lower Upper

107 100

108 114.4 93.4 140.0

77 43.9 35.8 53.6

79 42.9 34.8 52.2

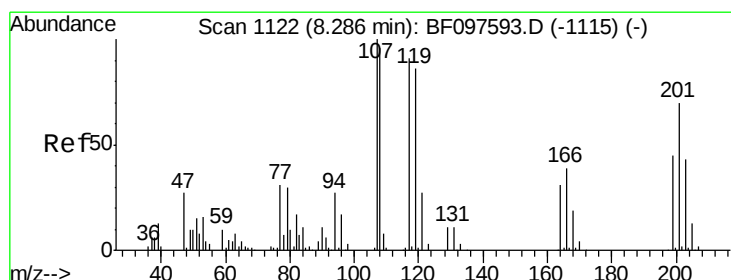
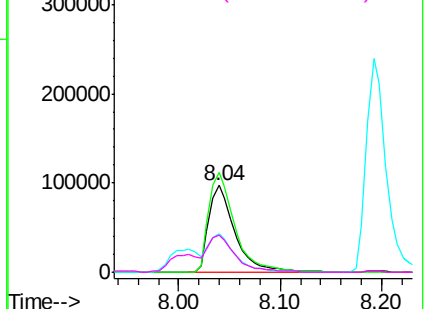
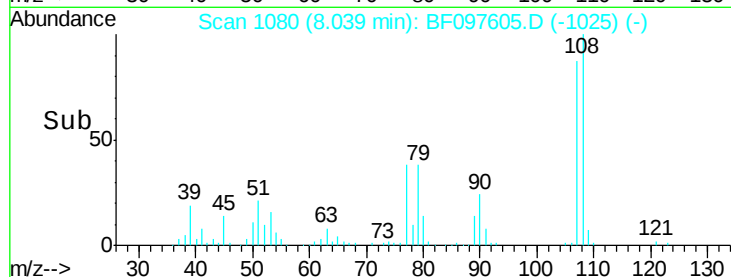


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 35.64 ng

RT: 8.29 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

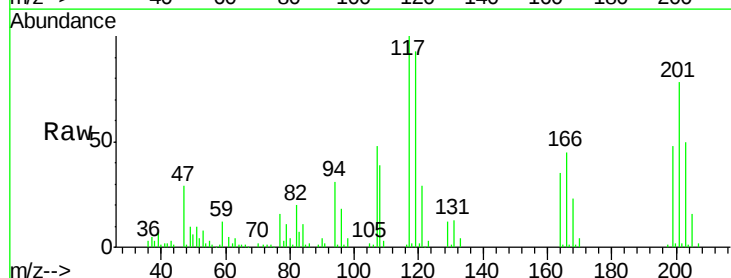
Tgt Ion:117 Resp: 94847

Ion Ratio Lower Upper

117 100

119 93.2 77.4 116.0

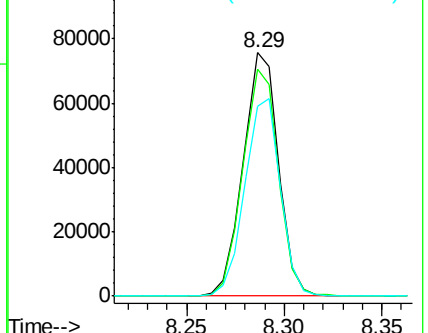
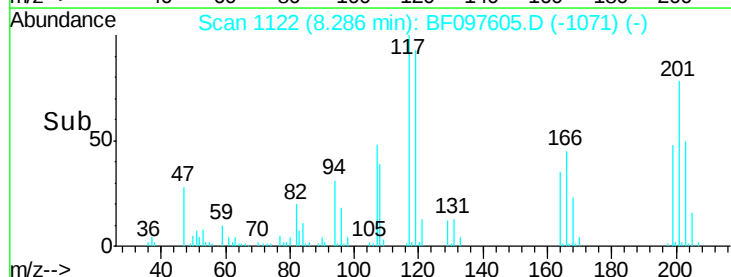
201 78.0 94.6 141.8#

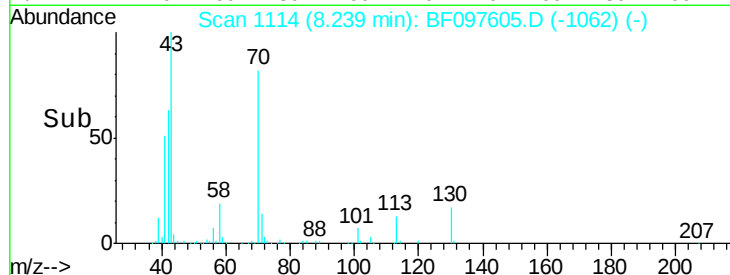
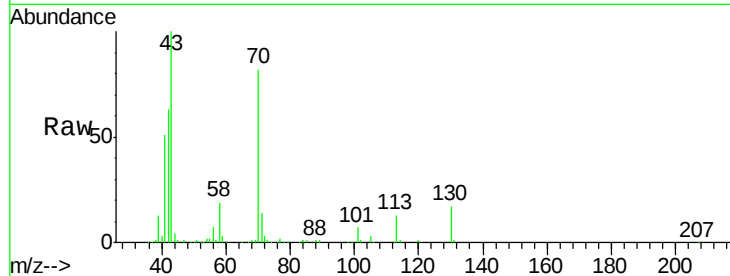
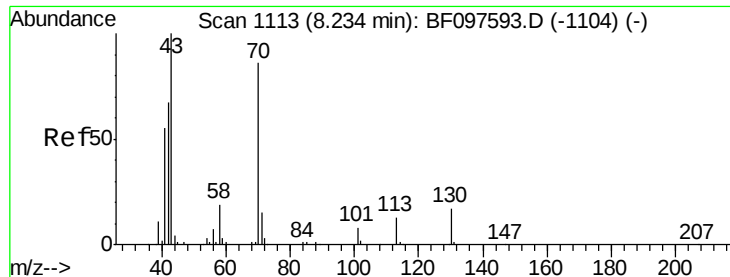


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

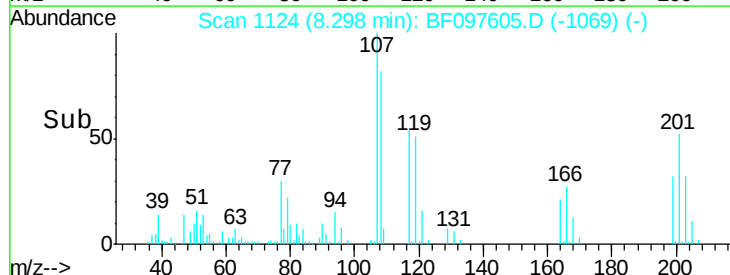
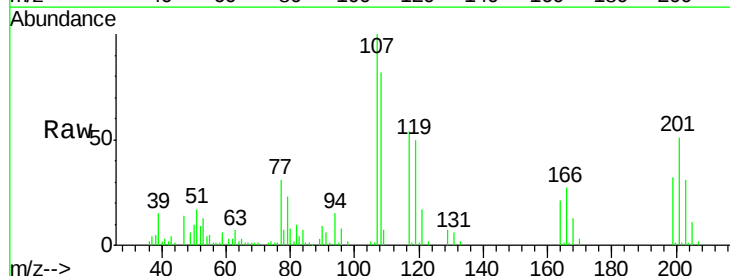
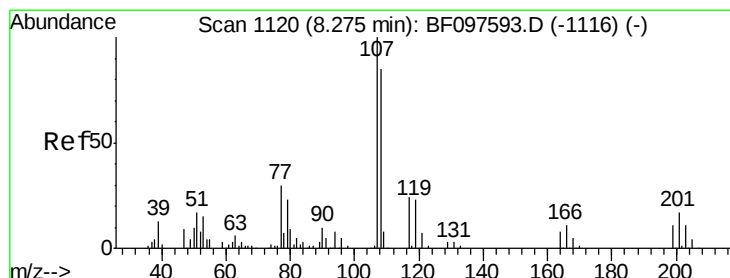
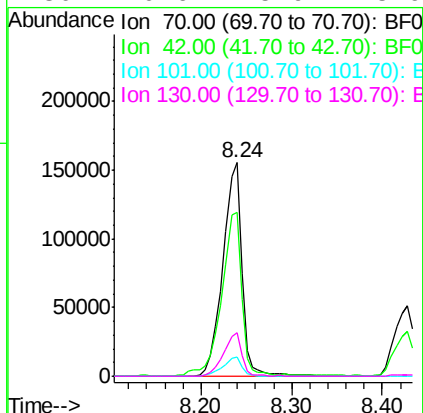




#19
n-Nitroso-di-n-propylamine
Concen: 44.24 ng
RT: 8.24 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

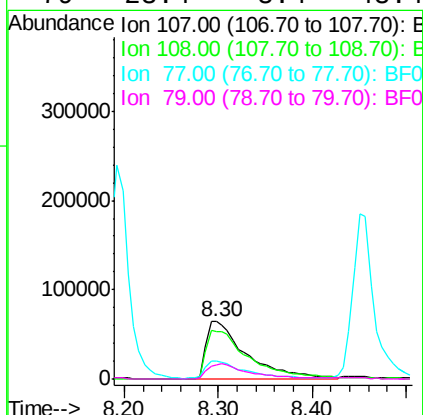
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

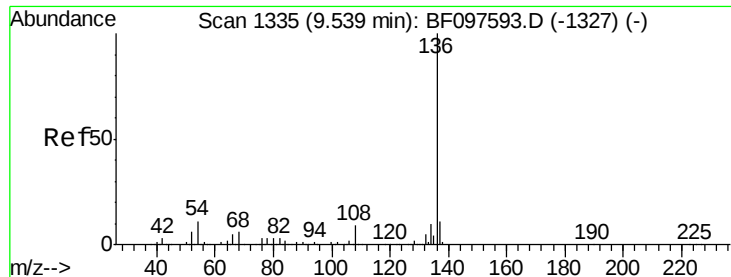
Tot Ion: 70 Resp: 227236
Ion Ratio Lower Upper
70 100
42 77.0 47.2 70.8#
101 9.0 7.2 10.8
130 20.6 15.9 23.9



#20
3+4-Methylphenols
Concen: 29.89 ng
RT: 8.30 min Scan# 1124
Delta R.T. 0.02 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion: 107 Resp: 193570
Ion Ratio Lower Upper
107 100
108 82.3 71.0 111.0
77 30.7 90.5 130.5#
79 23.4 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion:136 Resp: 404601

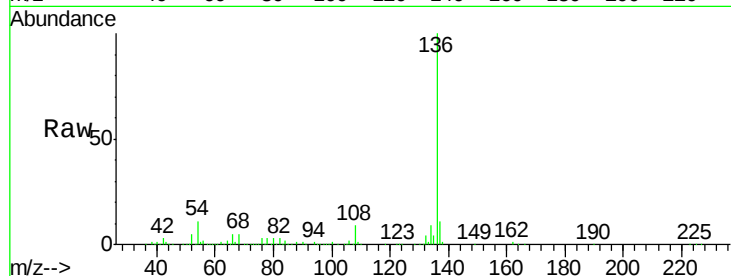
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.6 4.9 7.3#

68 5.4 4.1 6.1

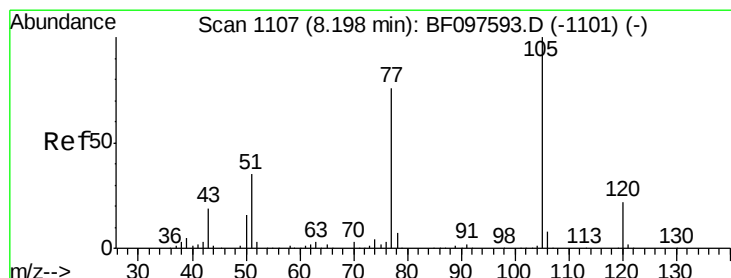
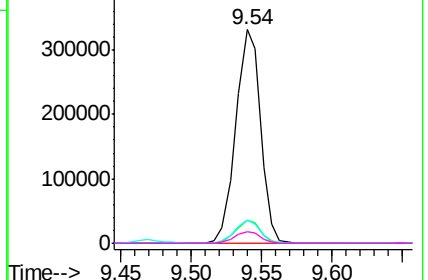
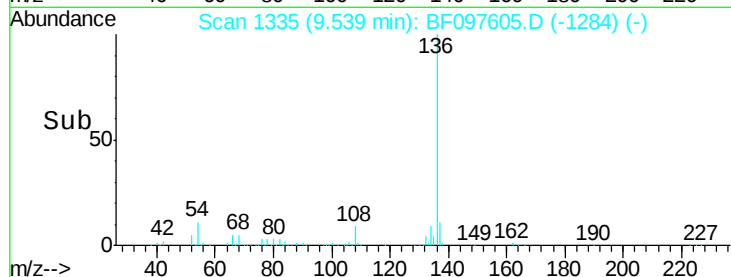


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.58 ng

RT: 8.19 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Tgt Ion:105 Resp: 435653

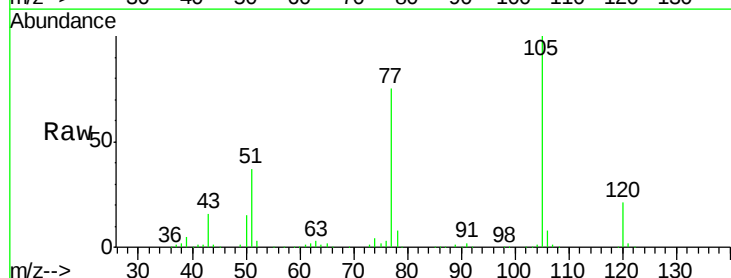
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 36.7 30.7 46.1

120 21.2 17.4 26.0

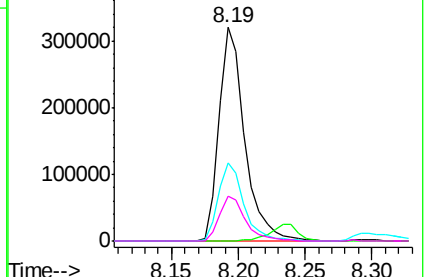
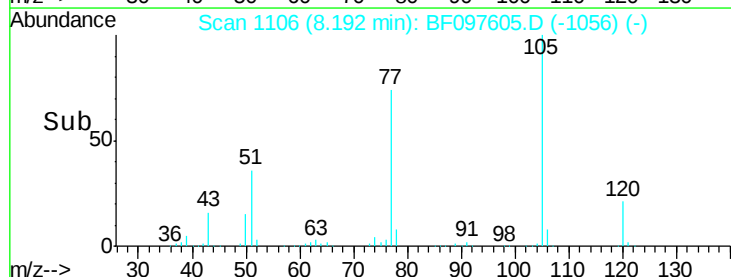


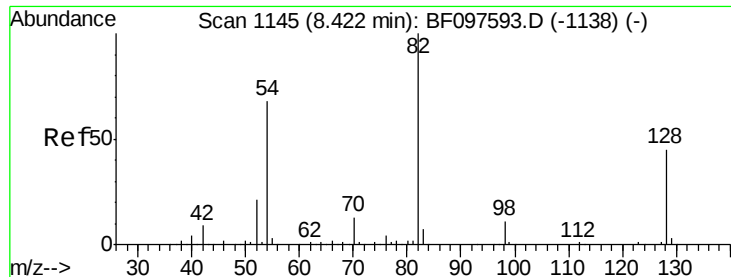
Abundance Ion 105.00 (104.70 to 105.70): E

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

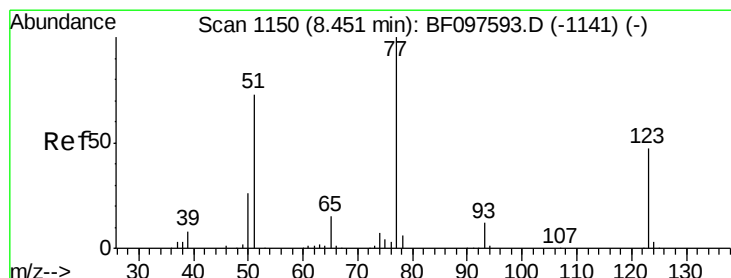
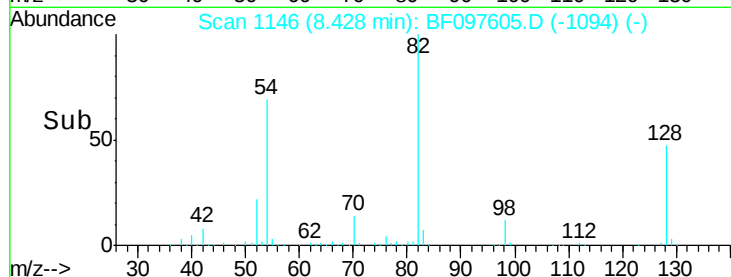
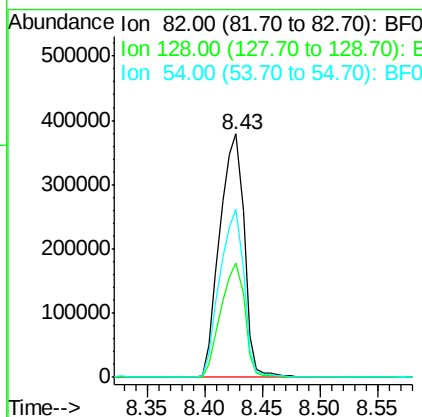
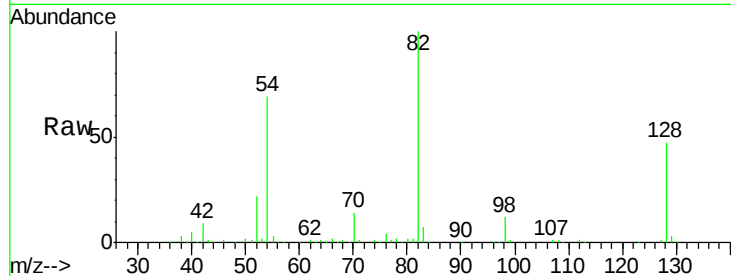




#23
Nitrobenzene-d5
Concen: 86.53 ng
RT: 8.43 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

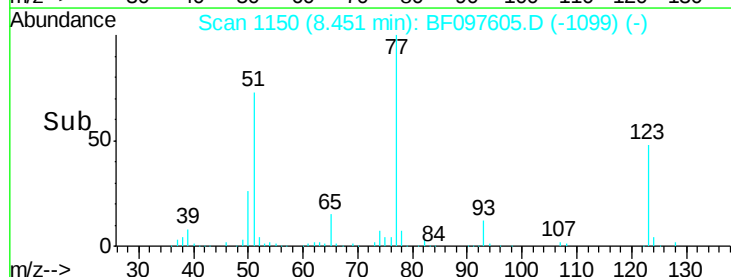
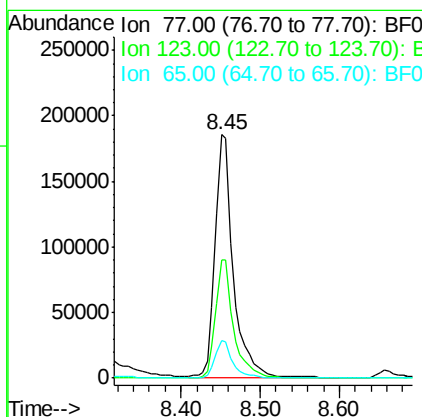
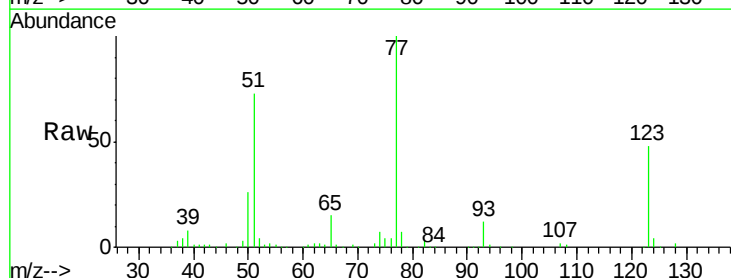
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

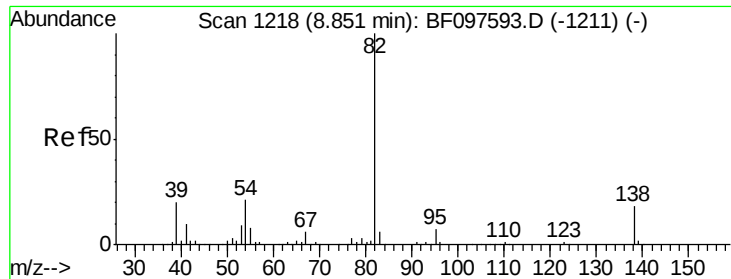
Tot Ion: 82 Resp: 558349
Ion Ratio Lower Upper
82 100
128 46.8 34.0 51.0
54 69.1 42.2 63.2#



#24
Nitrobenzene
Concen: 41.70 ng
RT: 8.45 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion: 77 Resp: 293234
Ion Ratio Lower Upper
77 100
123 48.4 35.8 53.8
65 15.2 10.6 15.8

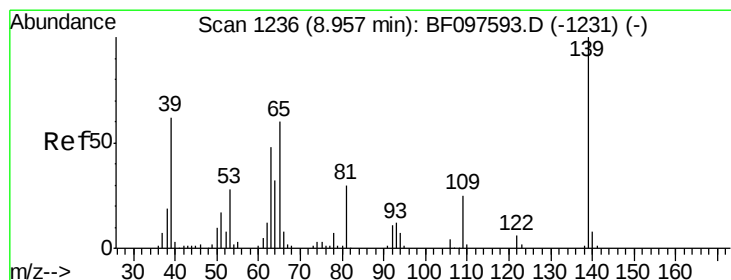
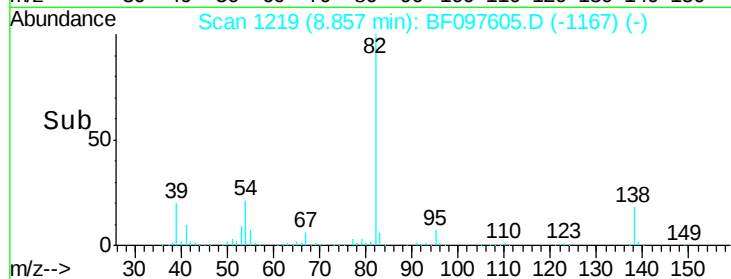
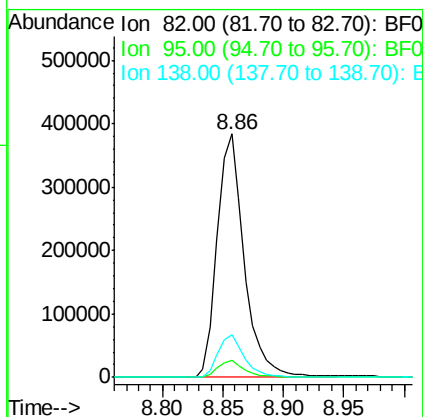
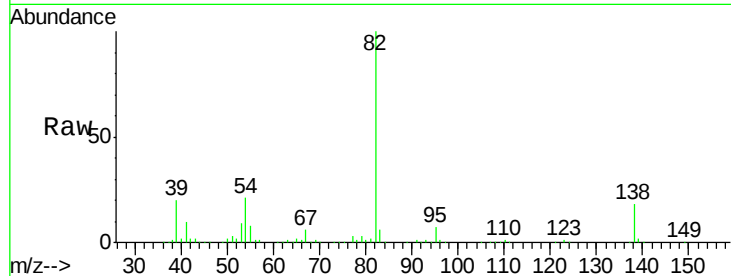




#25
Isophorone
Concen: 50.01 ng
RT: 8.86 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

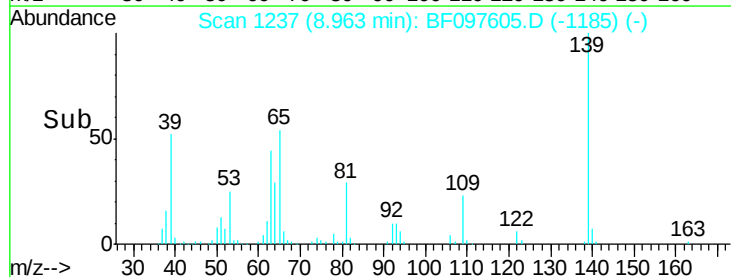
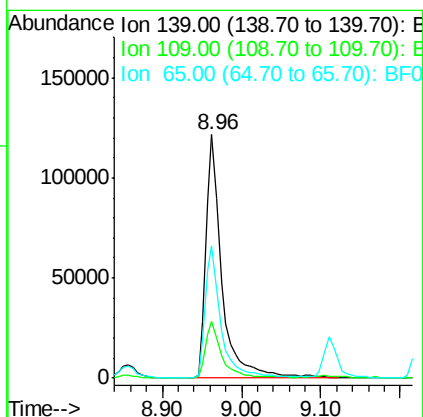
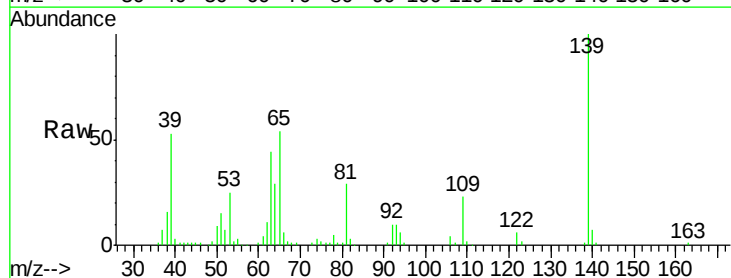
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

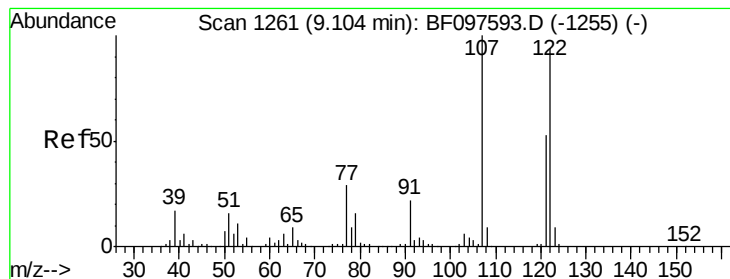
Tot Ion	82	Resp	594387
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.3	7.9
138	17.7	13.1	19.7



#26
2-Nitrophenol
Concen: 48.18 ng
RT: 8.96 min Scan# 1237
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion	139	Resp	171369
Ion Ratio	Lower	Upper	
139	100		
109	23.2	21.0	31.6
65	54.1	33.0	49.6





#27

2,4-Dimethylphenol

Concen: 42.30 ng

RT: 9.11 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

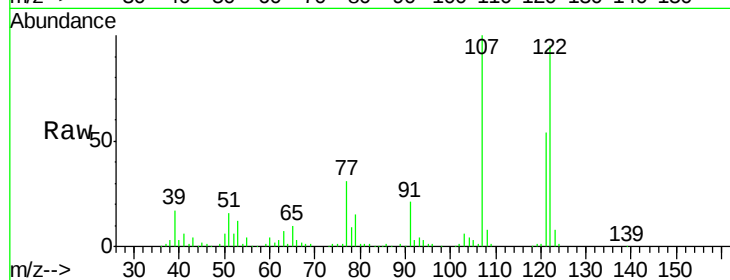
Tot Ion:122 Resp: 250858

Ion Ratio Lower Upper

122 100

107 105.2 89.2 133.8

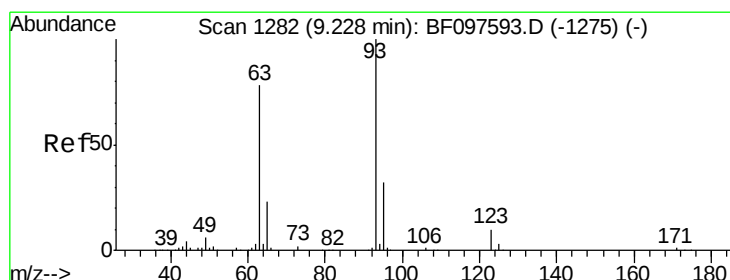
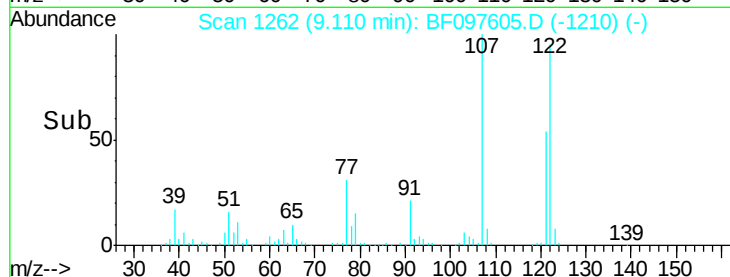
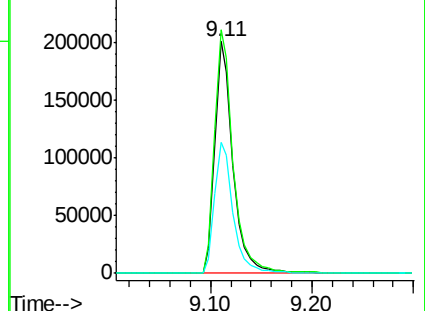
121 56.8 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.43 ng

RT: 9.23 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

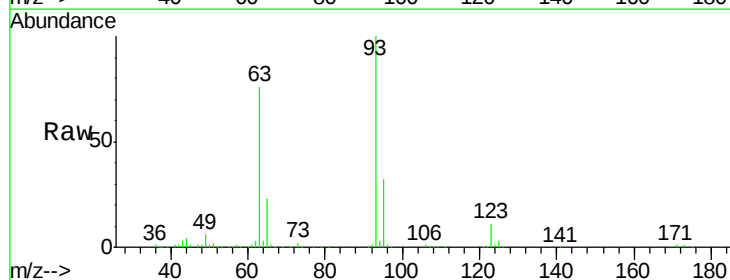
Tgt Ion: 93 Resp: 373001

Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

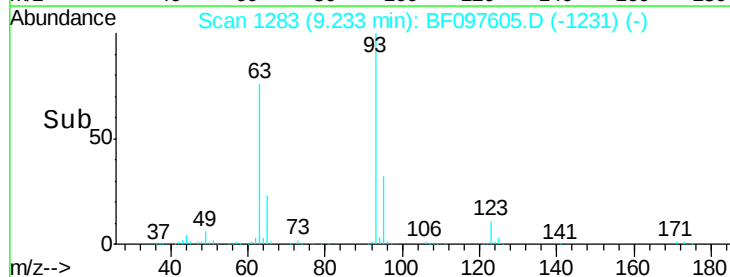
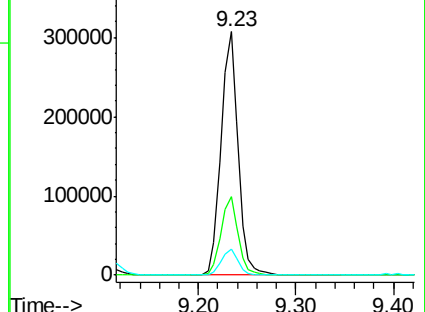
123 10.6 9.0 13.4

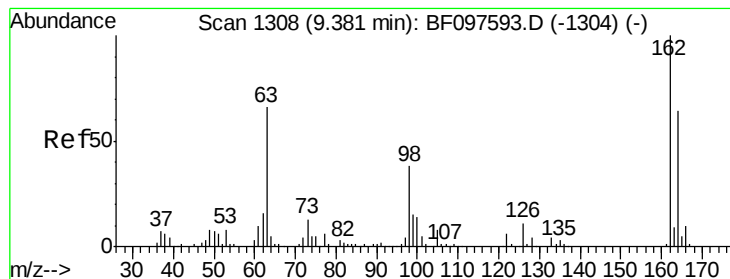


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 38.76 ng

RT: 9.40 min Scan# 1311

Delta R.T. 0.02 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

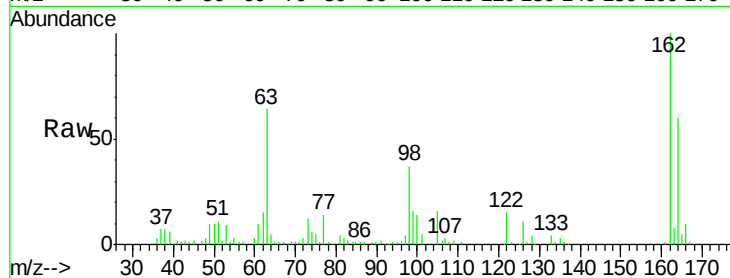
Tot Ion:162 Resp: 202718

Ion Ratio Lower Upper

162 100

164 59.7 44.6 84.6

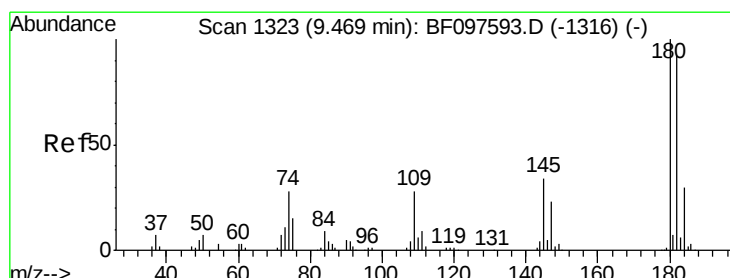
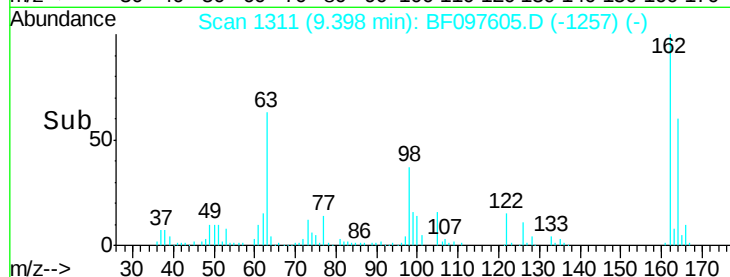
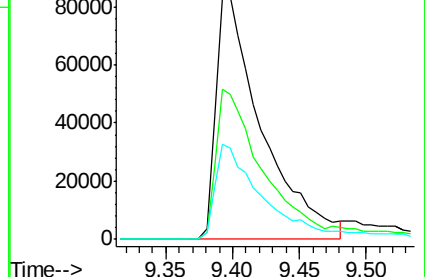
98 37.5 14.8 54.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 39.51 ng

RT: 9.47 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

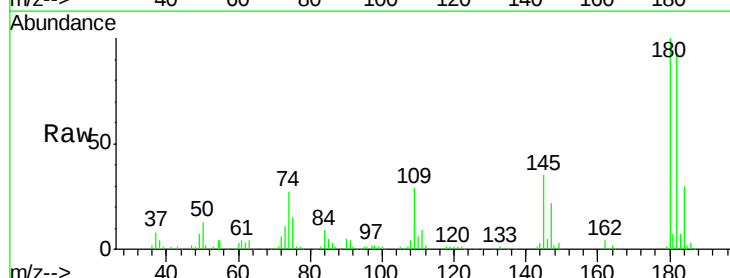
Tgt Ion:180 Resp: 204880

Ion Ratio Lower Upper

180 100

182 93.1 75.8 113.6

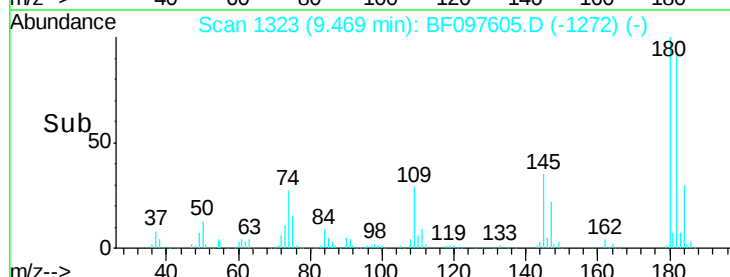
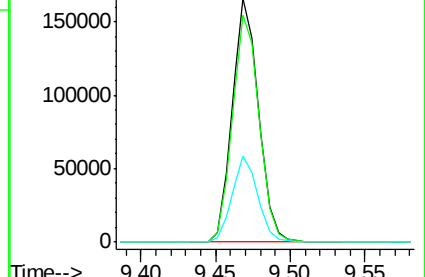
145 35.3 25.3 37.9

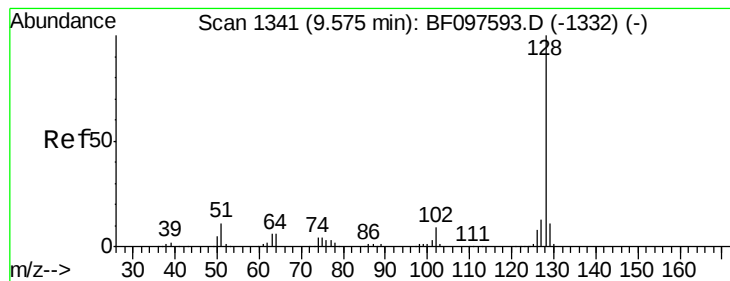


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 42.01 ng

RT: 9.57 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

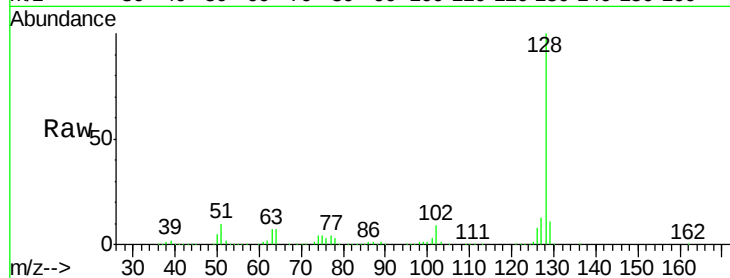
Tot Ion:128 Resp: 851433

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

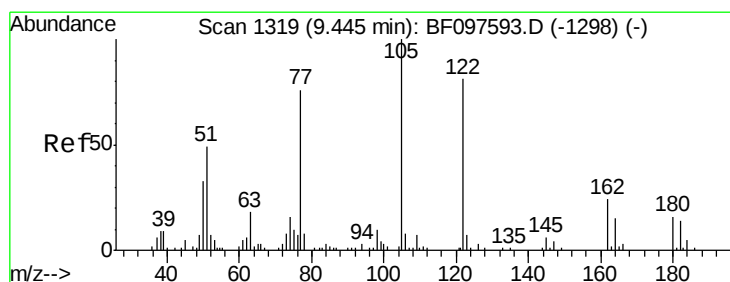
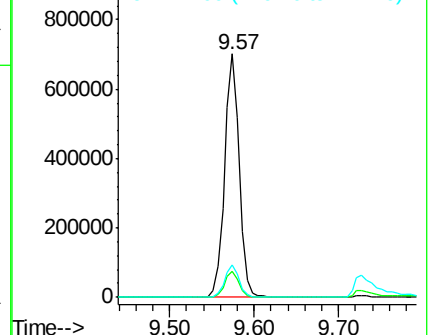
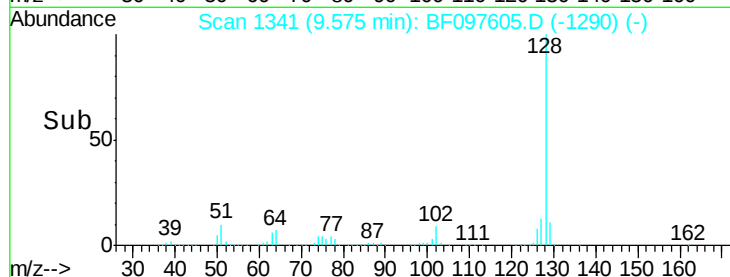
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.75 ng

RT: 9.40 min Scan# 1311

Delta R.T. -0.05 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

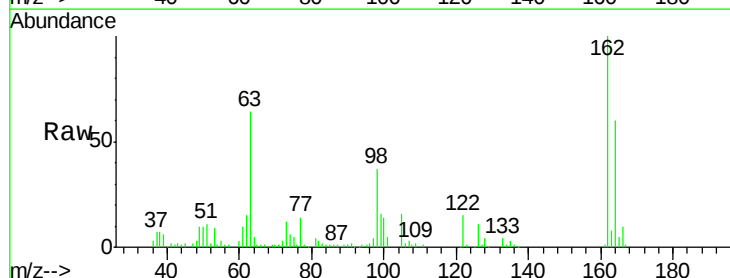
Tgt Ion:122 Resp: 31158

Ion Ratio Lower Upper

122 100

105 107.7 103.3 143.3

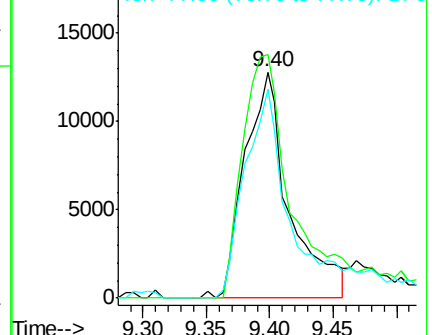
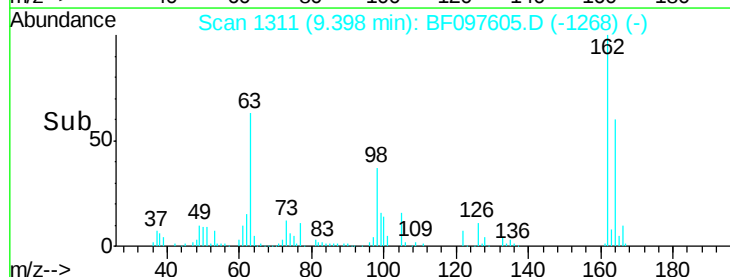
77 92.6 73.7 113.7

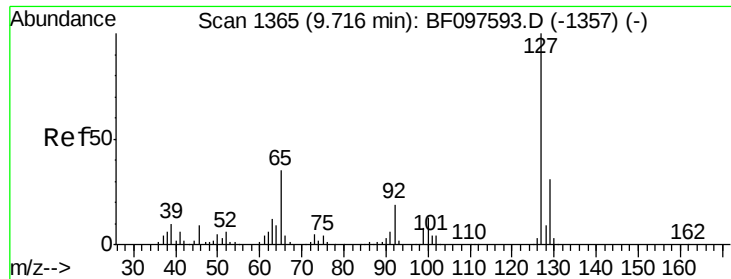


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

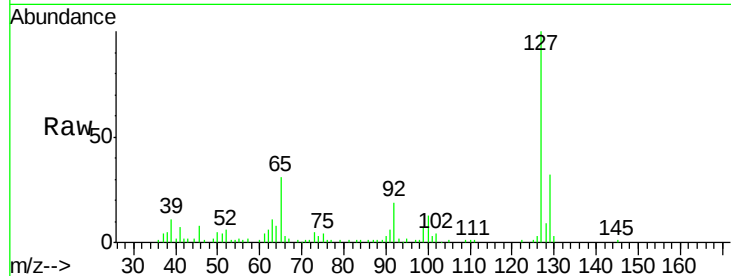




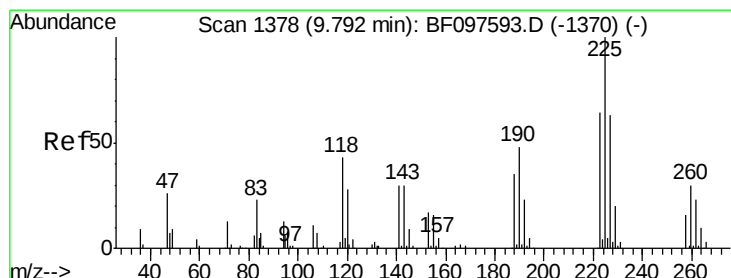
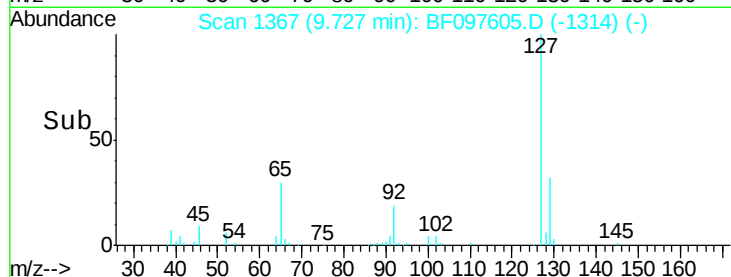
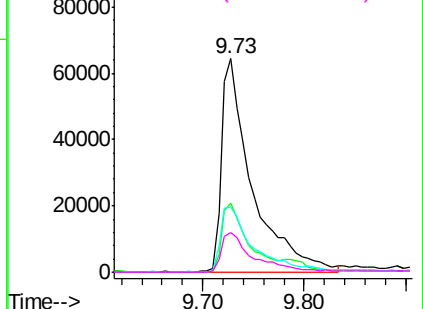
#33
4-Chloroaniline
Concen: 16.03 ng
RT: 9.73 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:	127	Resp:	134581
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.2	39.2
65	30.6	27.8	41.8
92	18.9	16.8	25.2

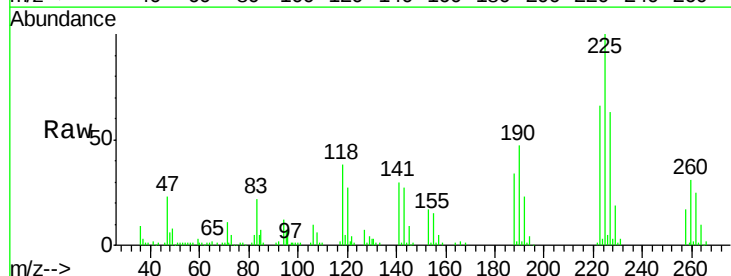


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

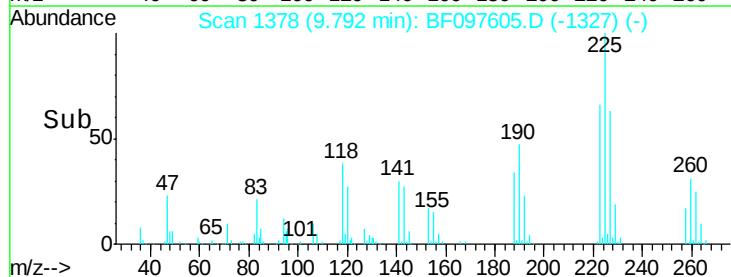
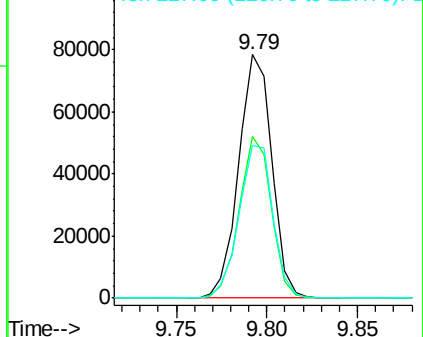


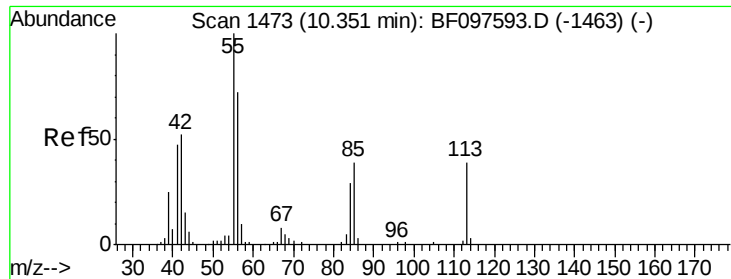
#34
Hexachlorobutadiene
Concen: 35.23 ng
RT: 9.79 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:	225	Resp:	99783
Ion	Ratio	Lower	Upper
225	100		
223	66.4	48.8	73.2
227	62.8	51.1	76.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

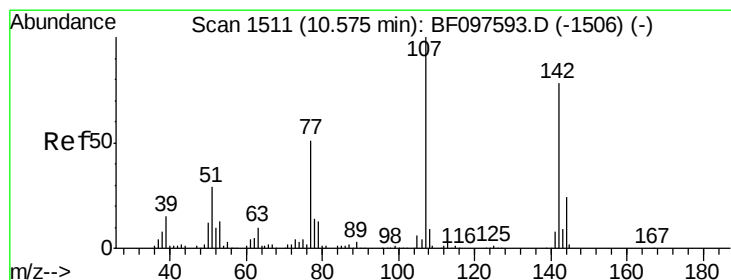
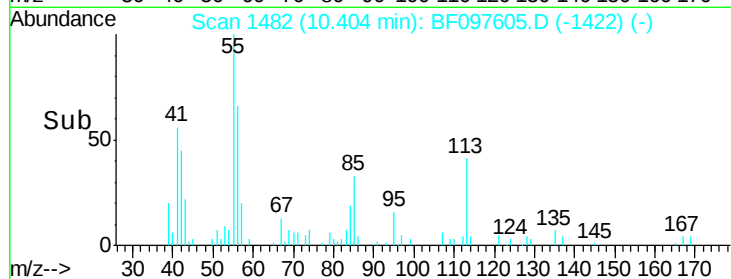
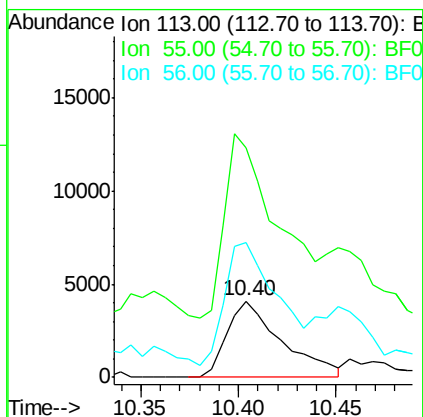
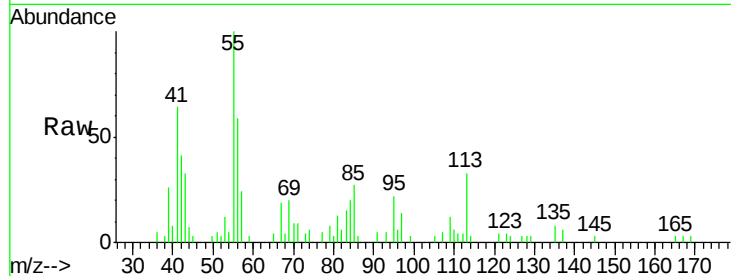




#35
 Caprolactam
 Concen: 4.72 ng
 RT: 10.40 min Scan# 1482
 Delta R.T. 0.05 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

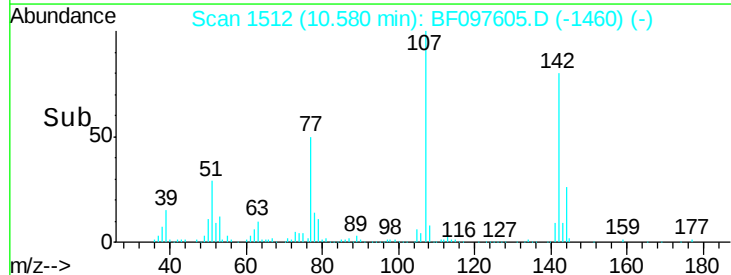
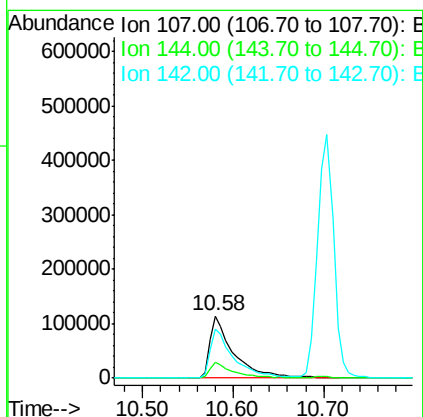
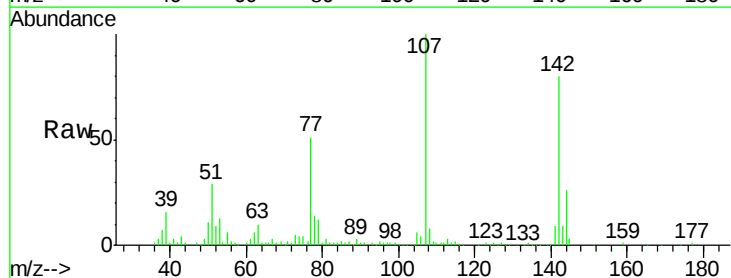
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

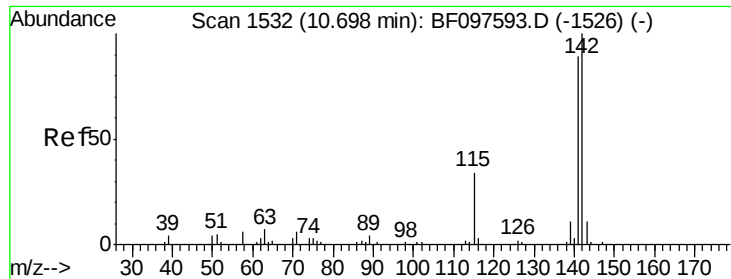
Tot Ion:113 Resp: 7949
 Ion Ratio Lower Upper
 113 100
 55 300.4 150.2 190.2#
 56 177.5 107.8 147.8#



#36
 4-Chloro-3-methylphenol
 Concen: 34.85 ng
 RT: 10.58 min Scan# 1512
 Delta R.T. 0.01 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion:107 Resp: 204762
 Ion Ratio Lower Upper
 107 100
 144 25.8 24.2 36.4
 142 79.6 73.4 110.0

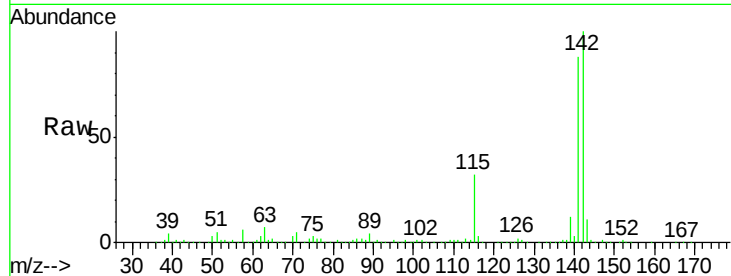




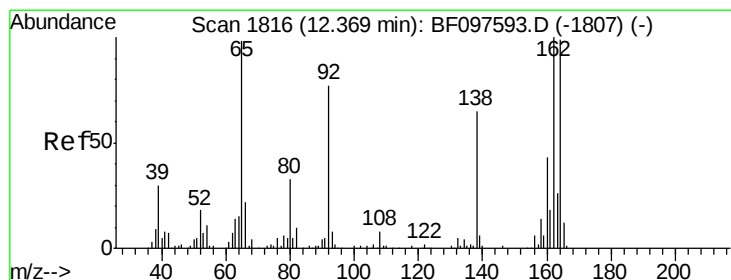
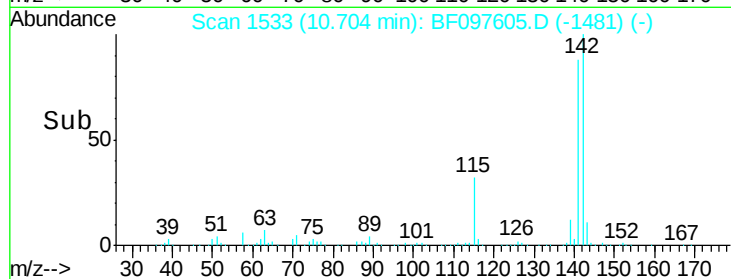
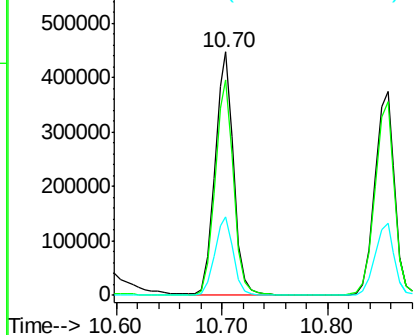
#37
2-Methylnaphthalene
Concen: 43.33 ng
RT: 10.70 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:142 Resp: 552540
Ion Ratio Lower Upper
142 100
141 88.4 71.3 106.9
115 32.4 27.1 40.7

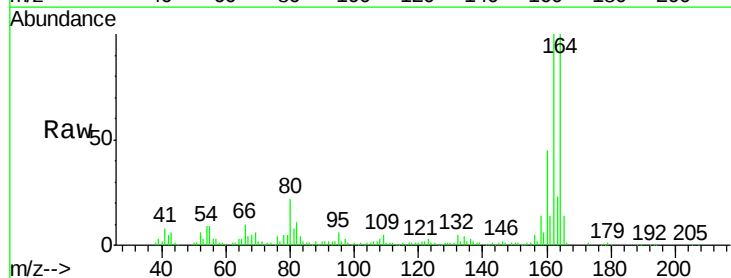


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

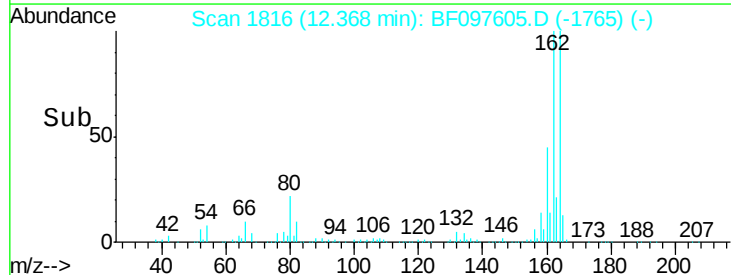
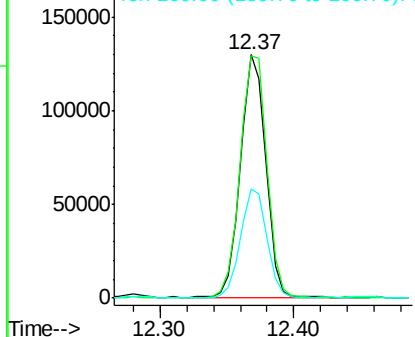


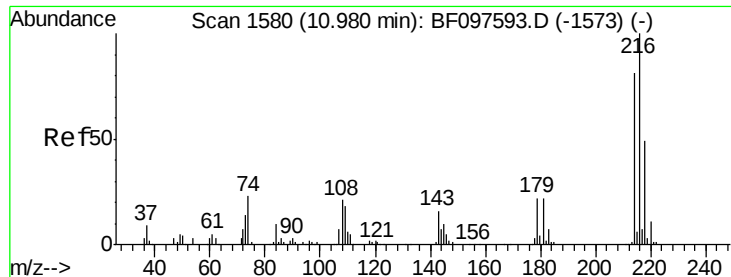
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:164 Resp: 169201
Ion Ratio Lower Upper
164 100
162 99.8 82.6 123.8
160 44.7 36.2 54.2



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

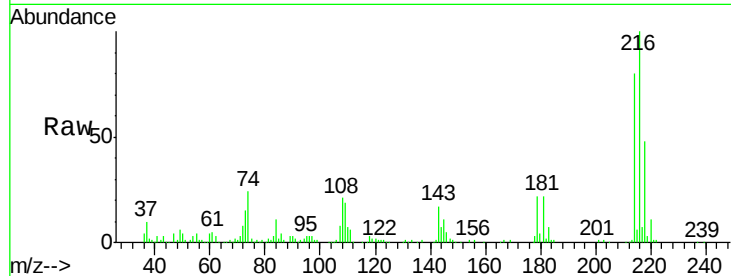




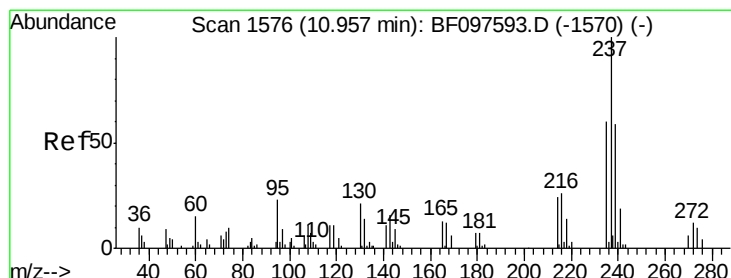
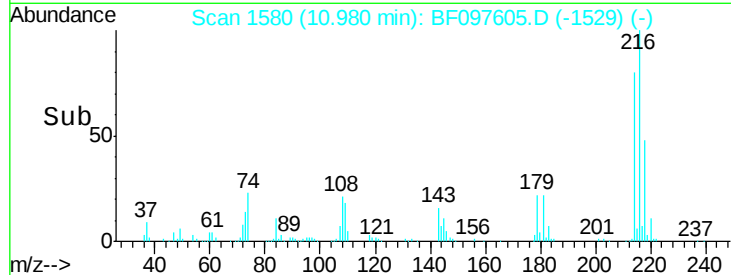
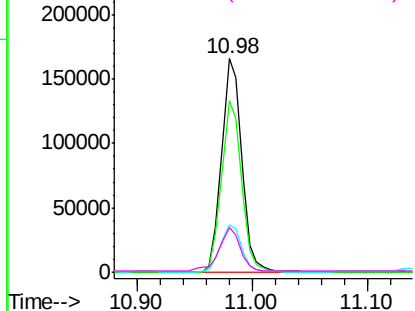
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 42.11 ng
 RT: 10.98 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion:216	Resp:	201750
Ion	Ratio	Lower Upper
216	100	
214	79.8	63.4 95.2
179	23.7	17.9 26.9
108	21.9	16.5 24.7

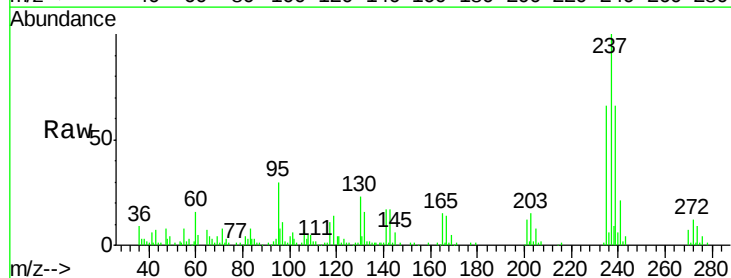


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

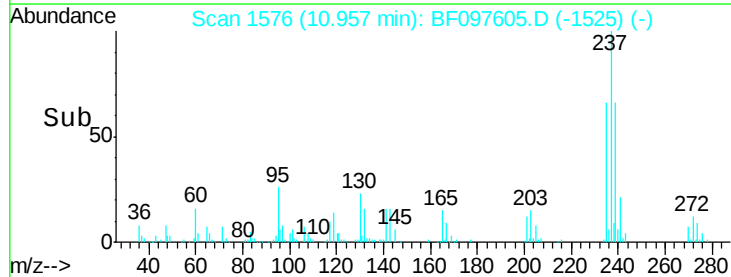
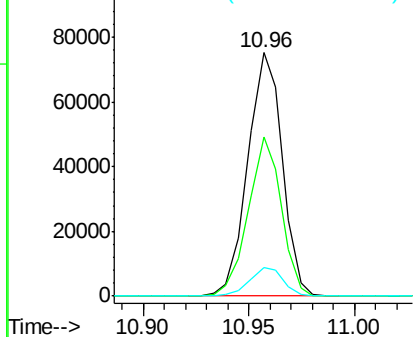


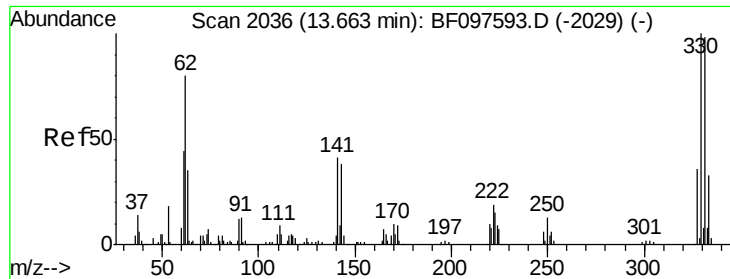
#40
 Hexachlorocyclopentadiene
 Concen: 85.80 ng
 RT: 10.96 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion:237	Resp:	85249
Ion	Ratio	Lower Upper
237	100	
235	65.6	42.6 82.6
272	11.6	0.0 31.9



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

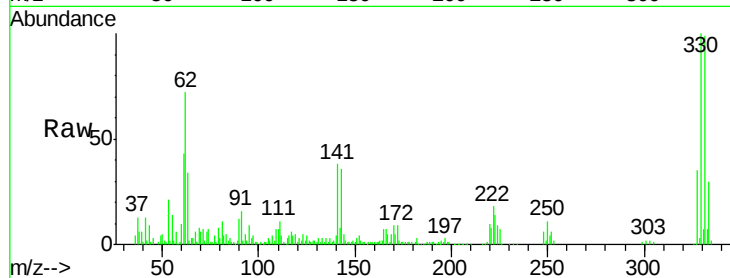




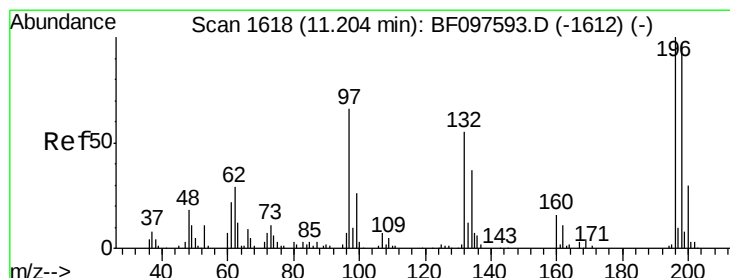
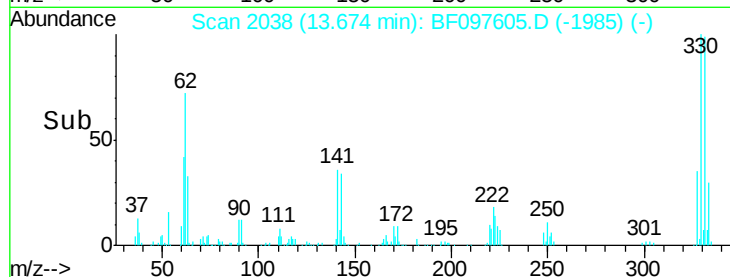
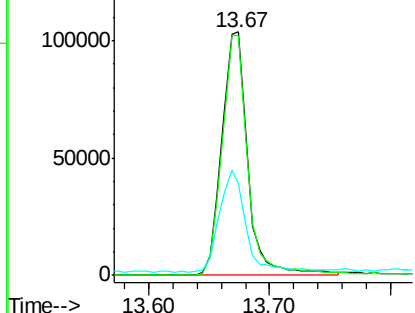
#41
 2,4,6-Tribromophenol
 Concen: 120.07 ng
 RT: 13.67 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion:330 Resp: 154441
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 115.0
 141 41.4 31.4 47.2

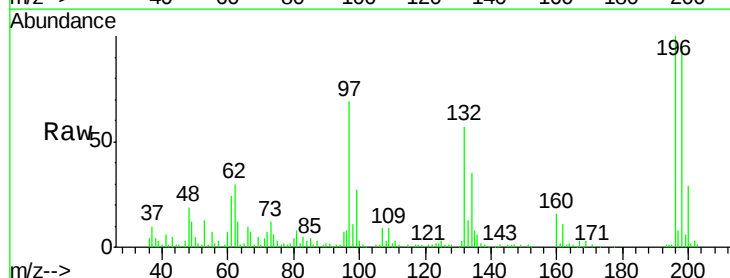


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

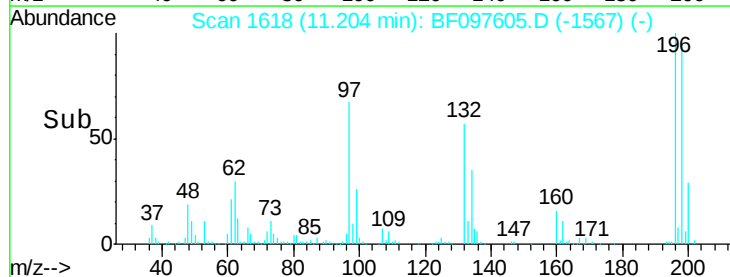
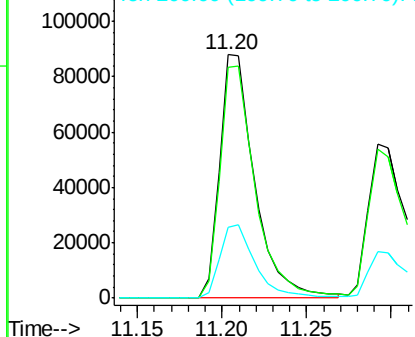


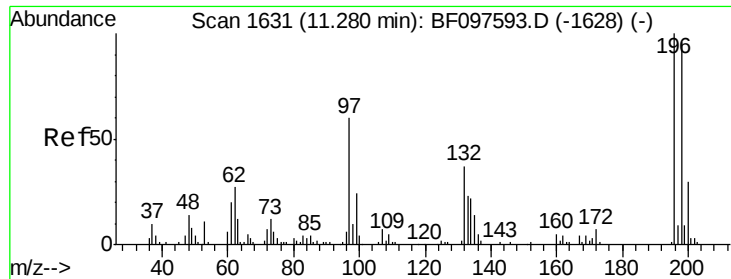
#42
 2,4,6-Trichlorophenol
 Concen: 40.45 ng
 RT: 11.20 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion:196 Resp: 127680
 Ion Ratio Lower Upper
 196 100
 198 94.8 74.2 111.4
 200 29.3 24.0 36.0



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

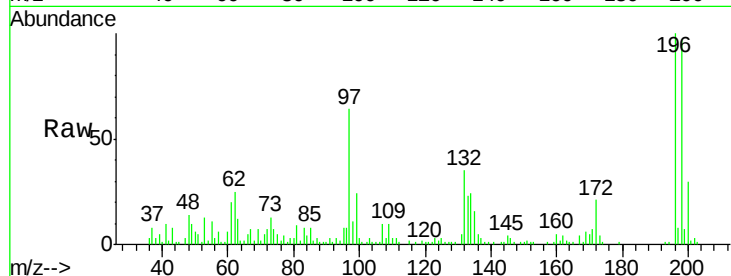




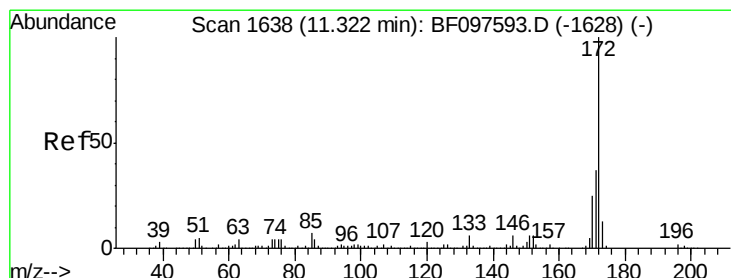
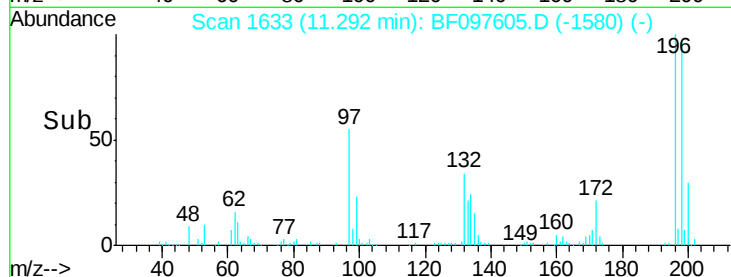
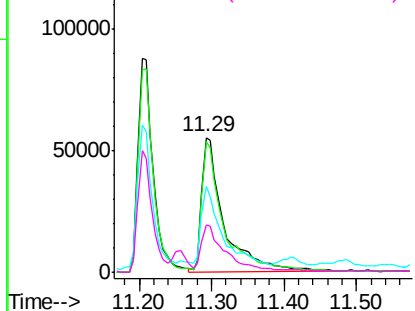
#43
 2,4,5-Trichlorophenol
 Concen: 39.38 ng
 RT: 11.29 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ion	Ratio	Lower	Upper
196	100			
198	96.7	75.7	113.5	
97	63.6	47.7	71.5	
132	35.1	28.0	42.0	

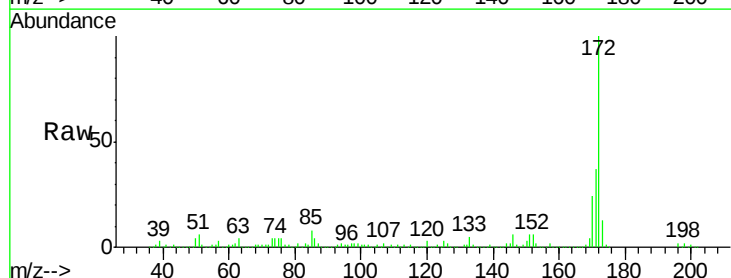


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

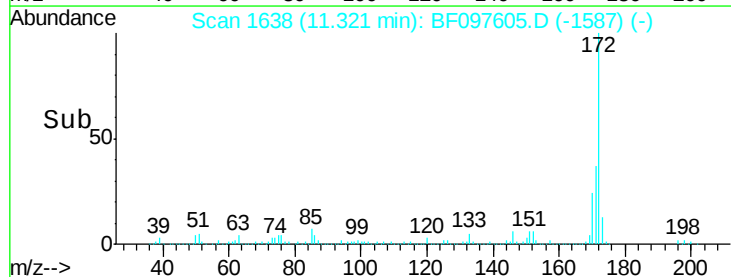
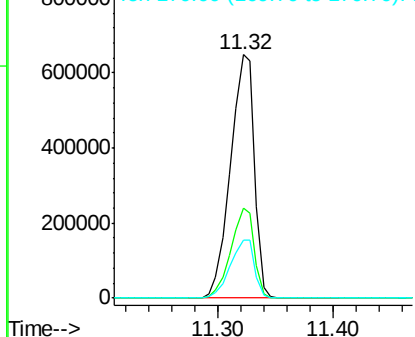


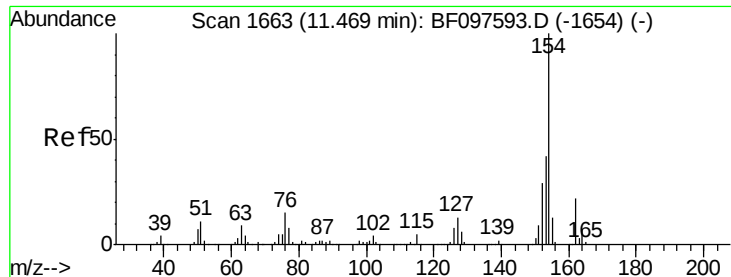
#44
 2-Fluorobiphenyl
 Concen: 82.71 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.0	29.6	44.4	
170	24.0	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 39.33 ng

RT: 11.47 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

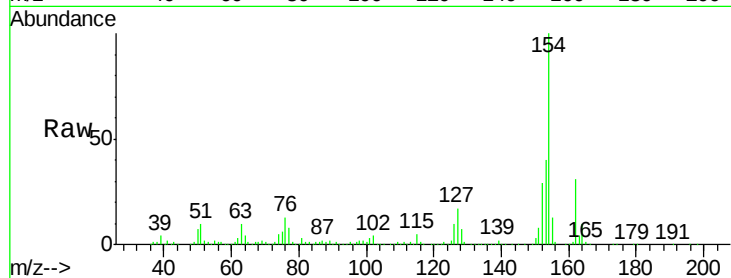
Tot Ion:154 Resp: 570904

Ion Ratio Lower Upper

154 100

153 40.3 21.2 61.2

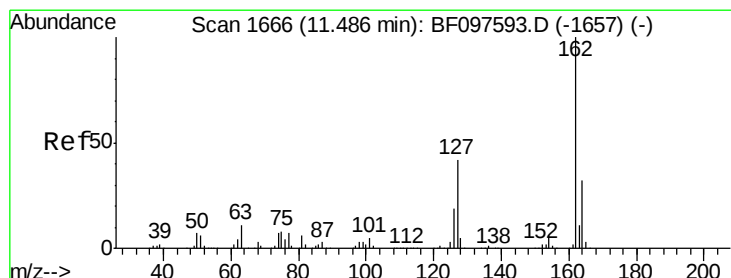
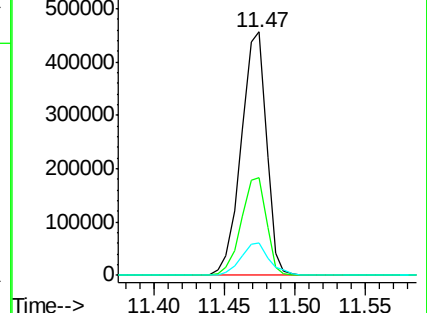
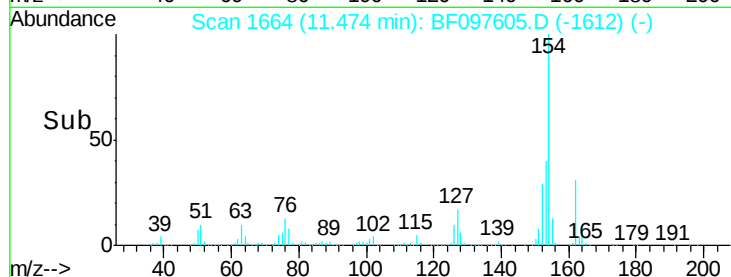
76 13.2 0.0 29.9



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: 38.13 ng

RT: 11.49 min Scan# 1666

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

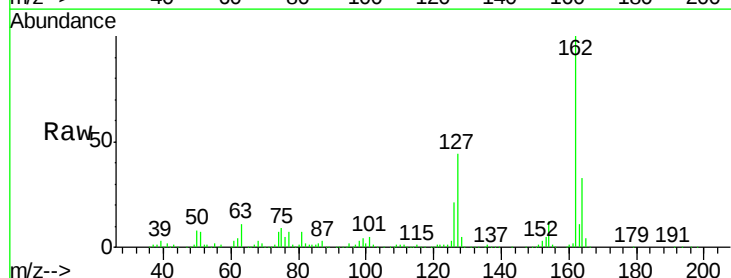
Tgt Ion:162 Resp: 425044

Ion Ratio Lower Upper

162 100

127 43.6 28.3 42.5#

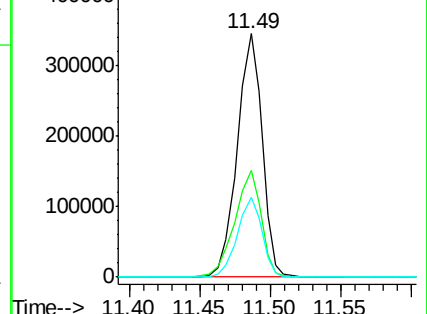
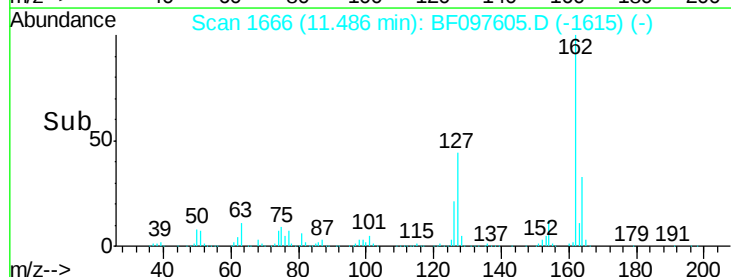
164 32.6 27.0 40.4

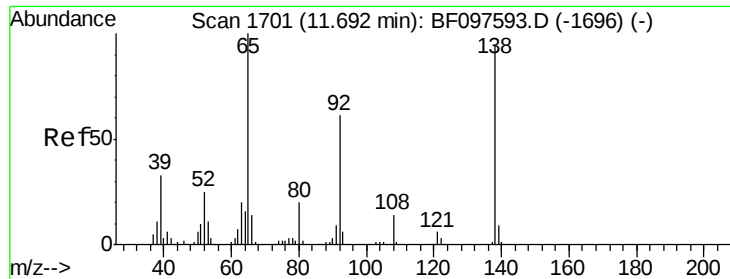


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 40.15 ng

RT: 11.70 min Scan# 1702

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

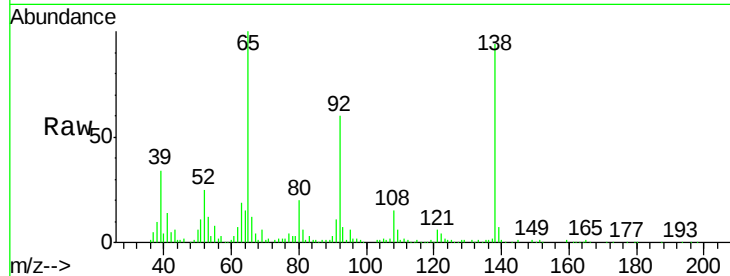
Tot Ion: 65 Resp: 175323

Ion Ratio Lower Upper

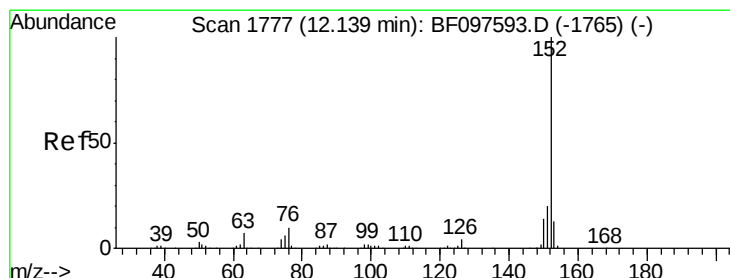
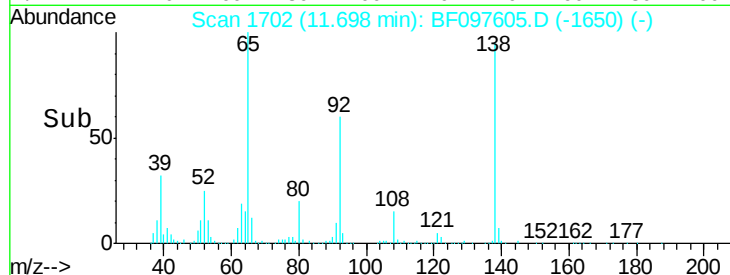
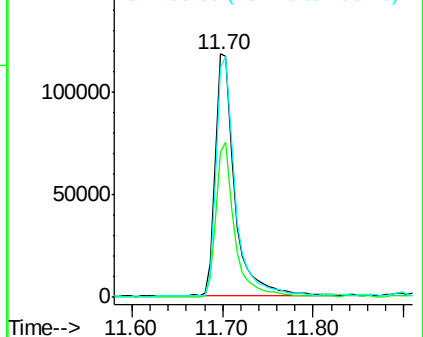
65 100

92 59.8 53.9 80.9

138 94.5 78.8 118.2



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



#48

Acenaphthylene

Concen: 40.83 ng

RT: 12.14 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

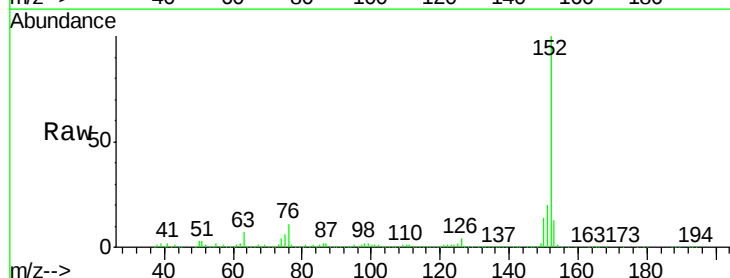
Tgt Ion: 152 Resp: 723463

Ion Ratio Lower Upper

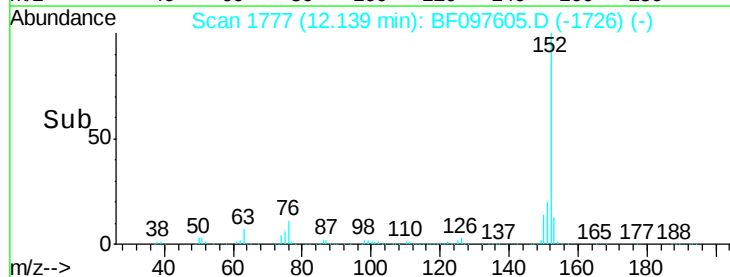
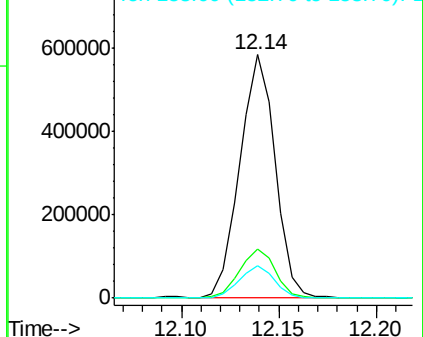
152 100

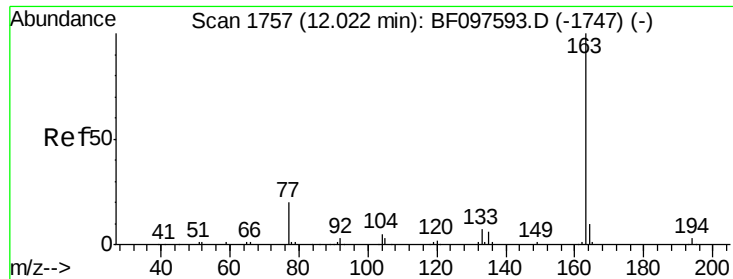
151 20.2 16.8 25.2

153 13.1 10.8 16.2



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





#49

Dimethylphthalate

Concen: 43.69 ng

RT: 12.03 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

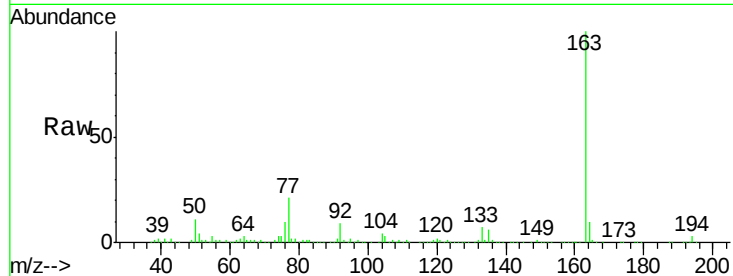
Tot Ion:163 Resp: 569685

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

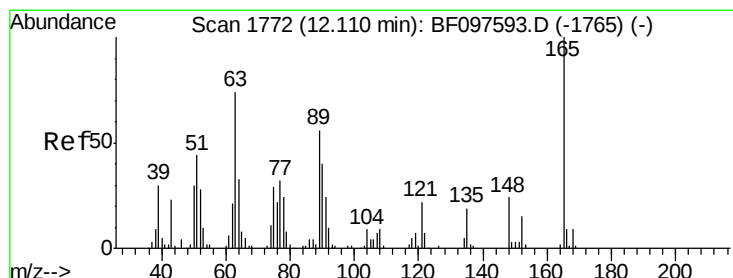
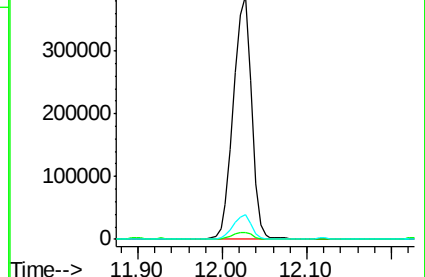
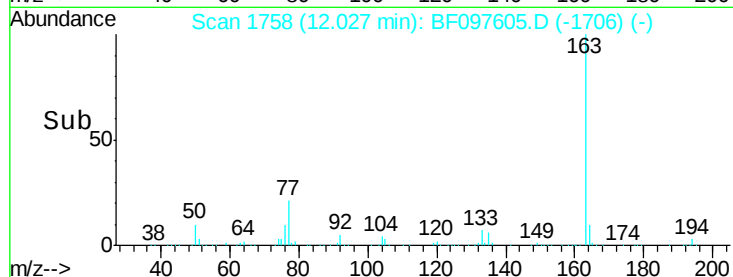
164 10.1 8.4 12.6



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: 41.47 ng

RT: 12.12 min Scan# 1773

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

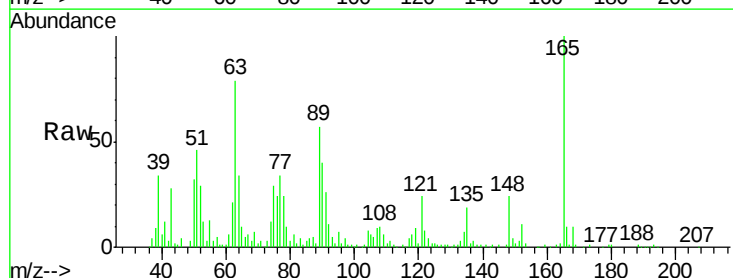
Tgt Ion:165 Resp: 111660

Ion Ratio Lower Upper

165 100

63 78.5 34.3 51.5#

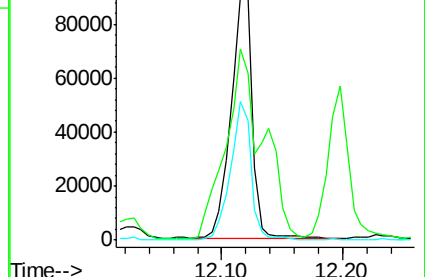
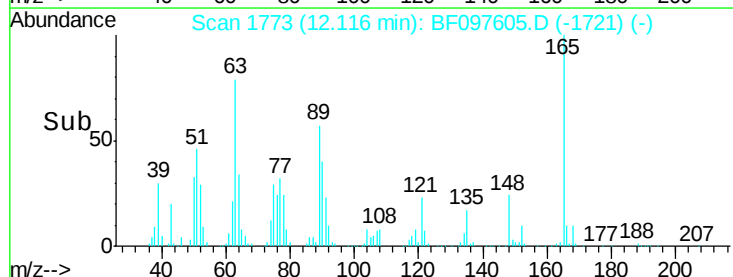
89 56.7 37.1 55.7#

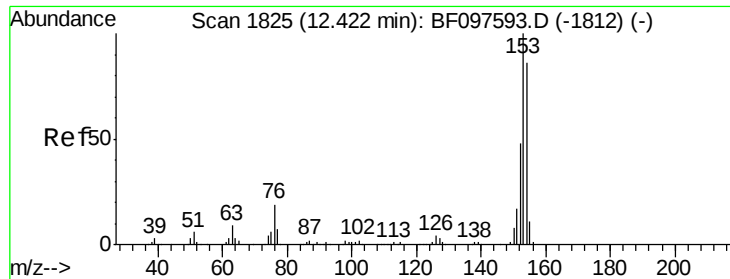


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 38.90 ng

RT: 12.43 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

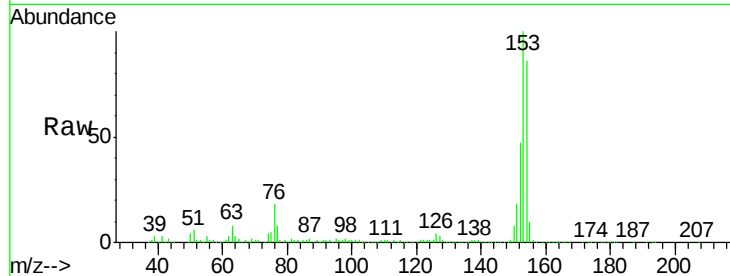
Tot Ion:154 Resp: 413099

Ion Ratio Lower Upper

154 100

153 116.1 90.5 135.7

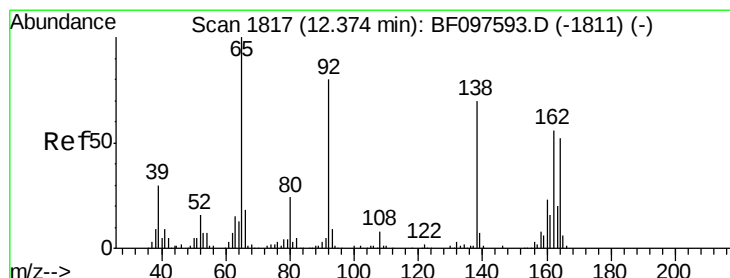
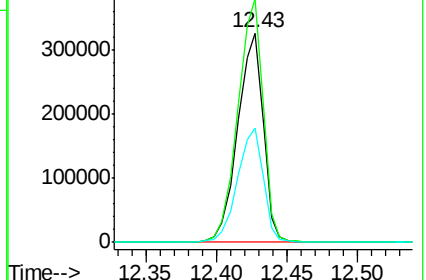
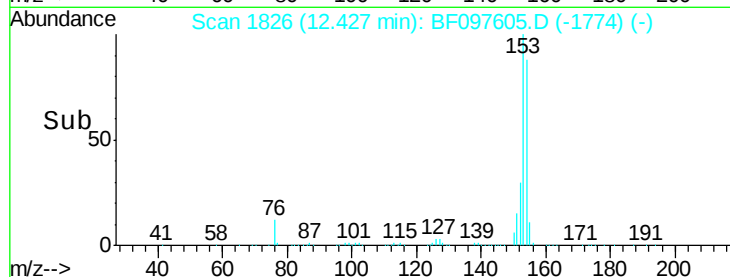
152 54.4 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 17.52 ng

RT: 12.38 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

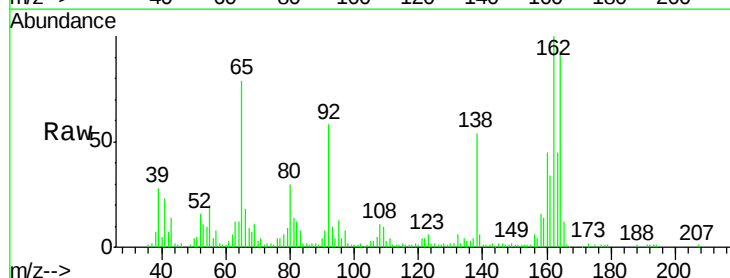
Tgt Ion:138 Resp: 61788

Ion Ratio Lower Upper

138 100

108 19.6 9.1 13.7#

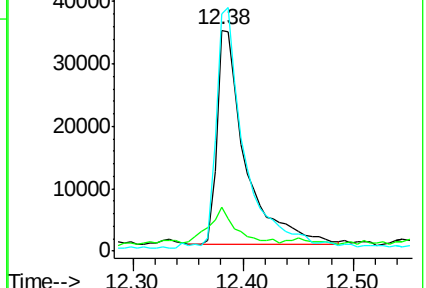
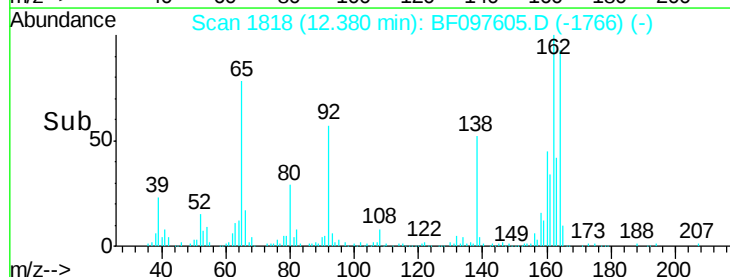
92 107.3 93.8 140.6

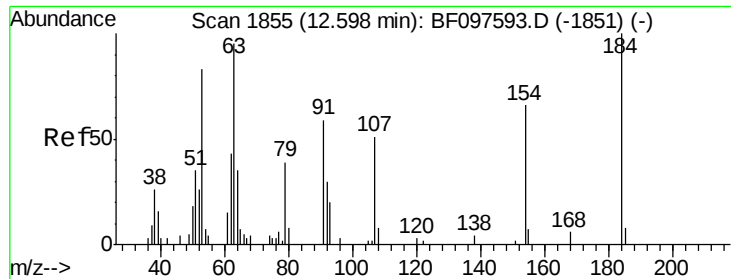


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 83.90 ng

RT: 12.60 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

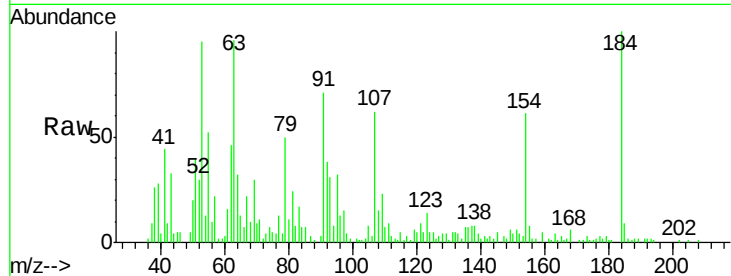
Tot Ion:184 Resp: 93135

Ion Ratio Lower Upper

184 100

63 96.4 62.7 94.1#

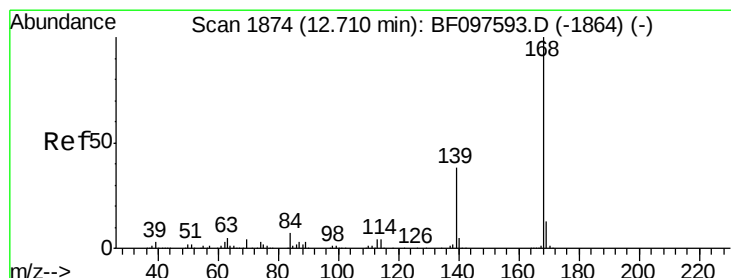
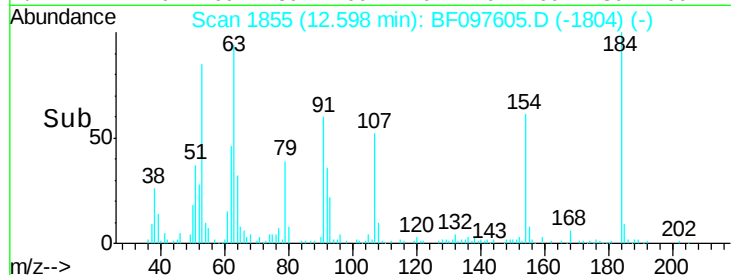
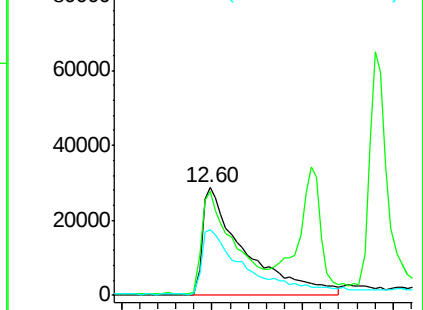
154 61.0 81.1 121.7#



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: 44.61 ng

RT: 12.71 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

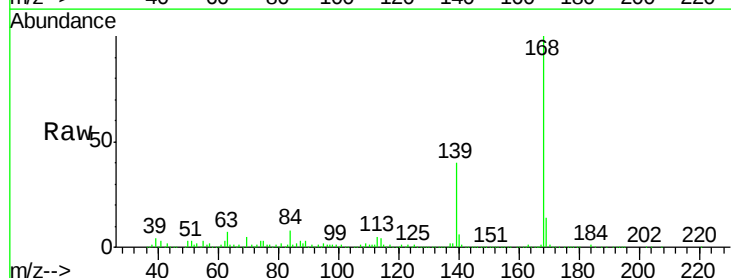
Tgt Ion:168 Resp: 663154

Ion Ratio Lower Upper

168 100

139 40.2 30.6 45.8

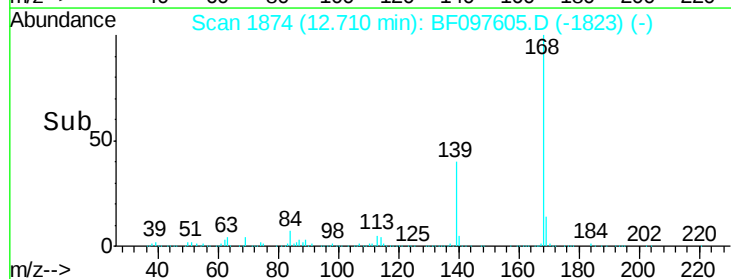
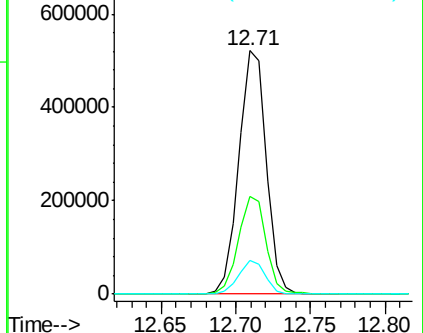
169 13.7 10.8 16.2

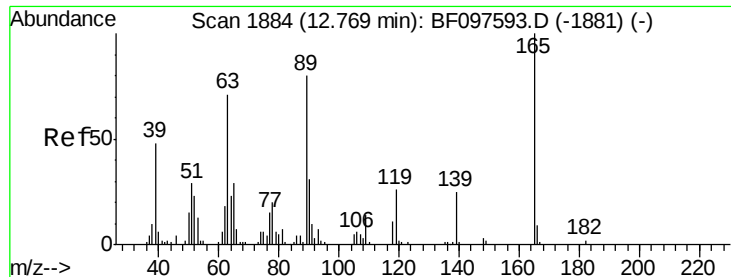


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

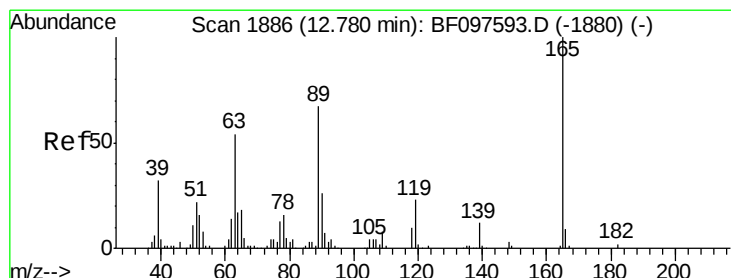
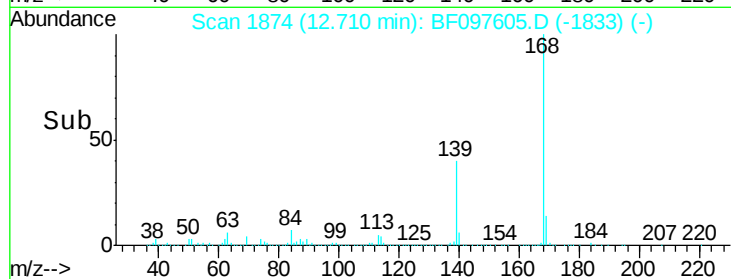
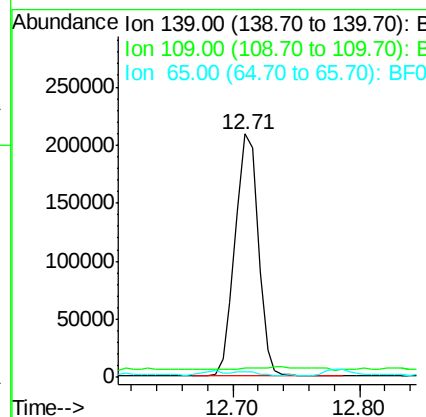
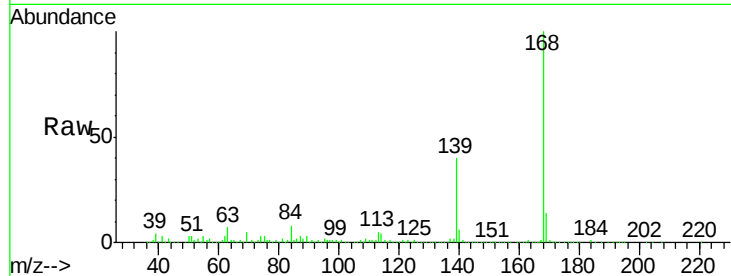




#55
4-Nitrophenol
Concen: 197.14 ng
RT: 12.71 min Scan# 1874
Delta R.T. -0.06 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

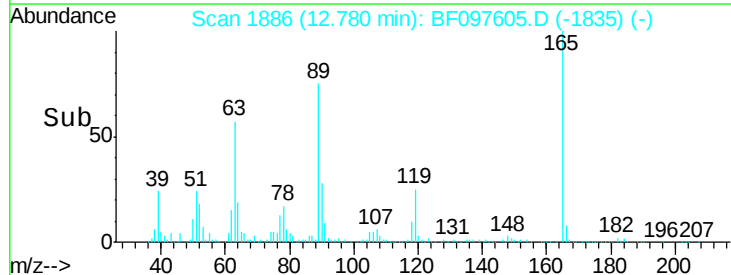
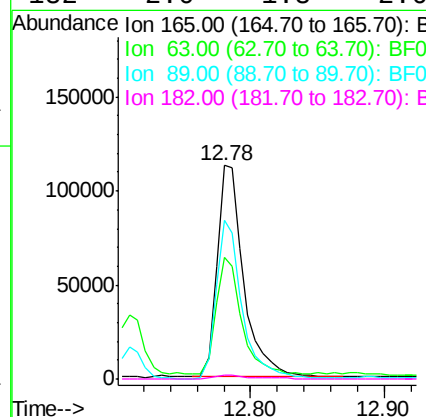
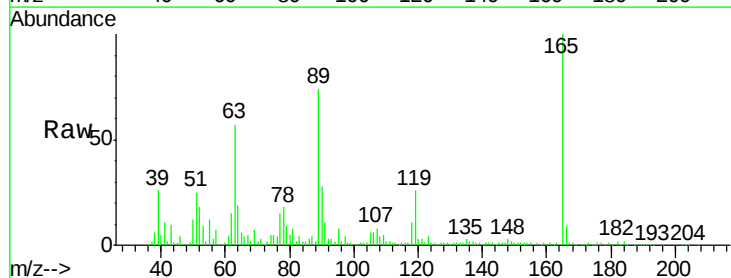
Instrument :
BNA_F
ClientSampled :
VE-4-11MSD

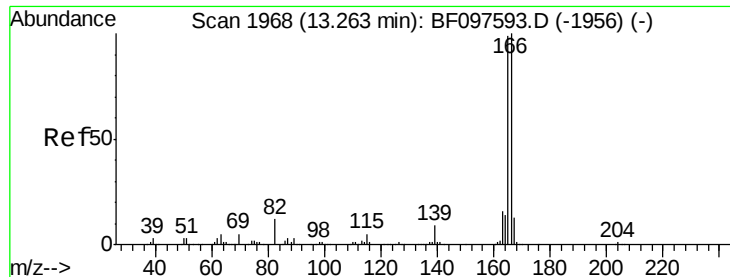
Tot Ion:139 Resp: 264707
Ion Ratio Lower Upper
139 100
109 3.7 34.1 74.1#
65 2.4 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 43.70 ng
RT: 12.78 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:165 Resp: 157054
Ion Ratio Lower Upper
165 100
63 57.1 25.4 38.0#
89 74.4 46.4 69.6#
182 2.0 1.8 2.6





#57

Fluorene

Concen: 42.50 ng

RT: 13.26 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

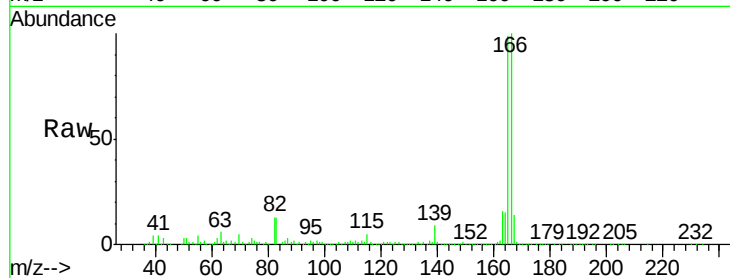
Tot Ion:166 Resp: 519577

Ion Ratio Lower Upper

166 100

165 99.3 78.8 118.2

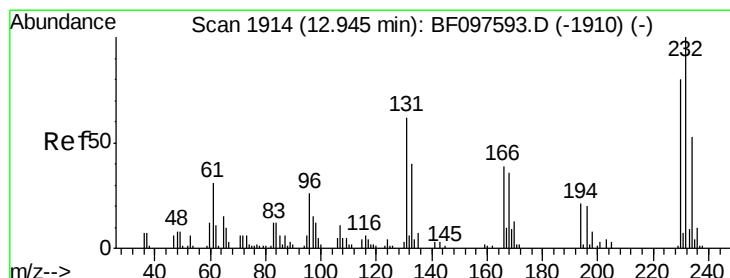
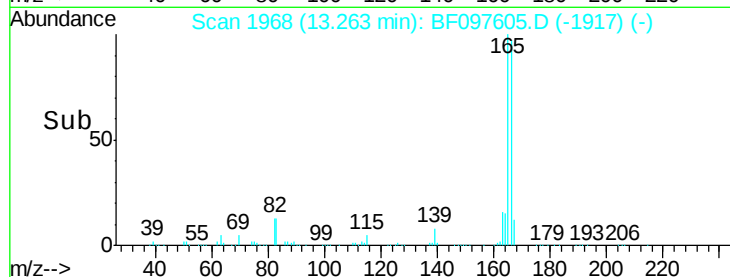
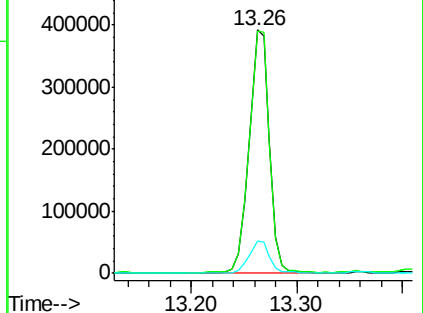
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 42.08 ng

RT: 12.96 min Scan# 1917

Delta R.T. 0.02 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Tgt Ion:232 Resp: 86154

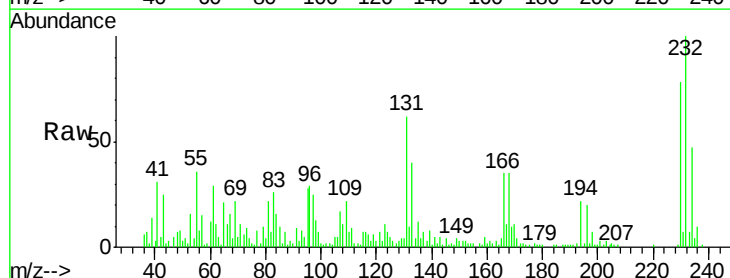
Ion Ratio Lower Upper

232 100

131 51.3 44.8 67.2

130 2.3 2.3 3.5

166 26.4 29.0 43.4#

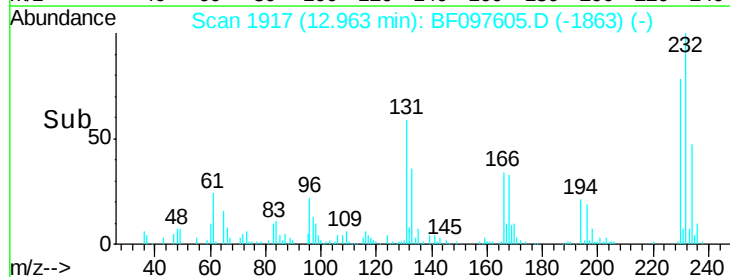
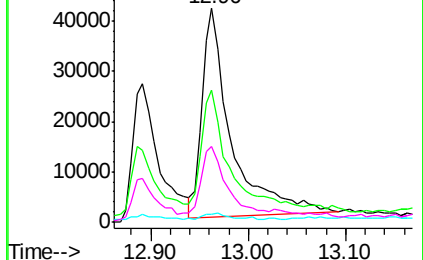


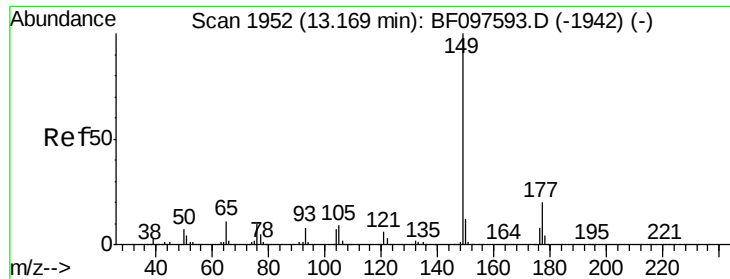
Abundance Ion 232.00 (231.70 to 232.70): E

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

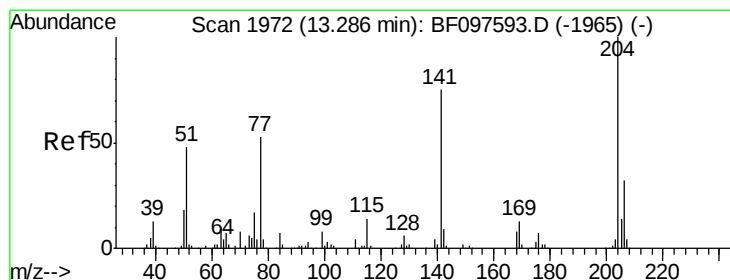
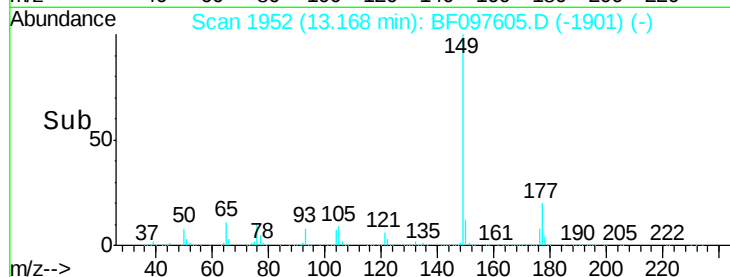
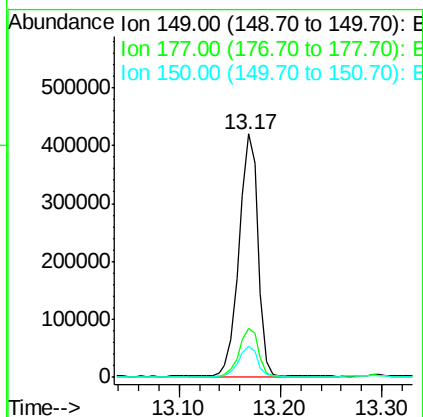
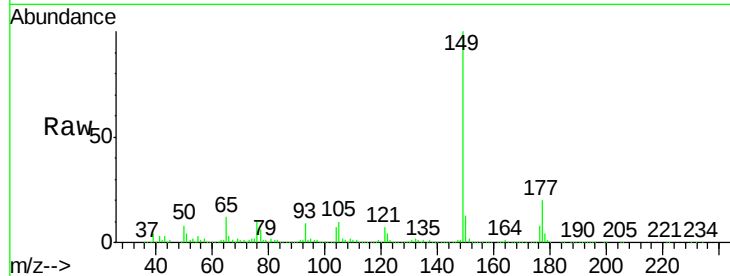




#59
Diethylphthalate
Concen: 43.94 ng
RT: 13.17 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

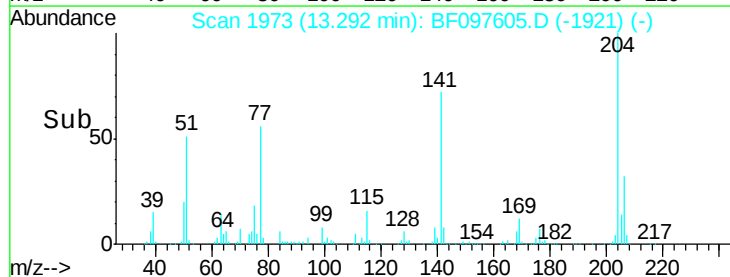
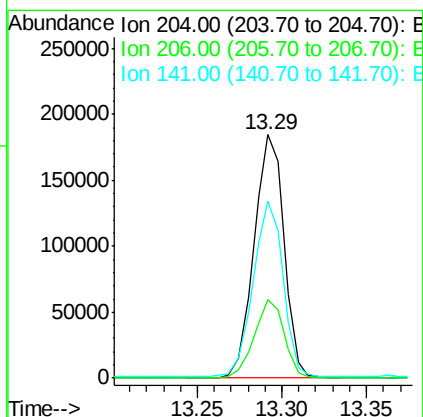
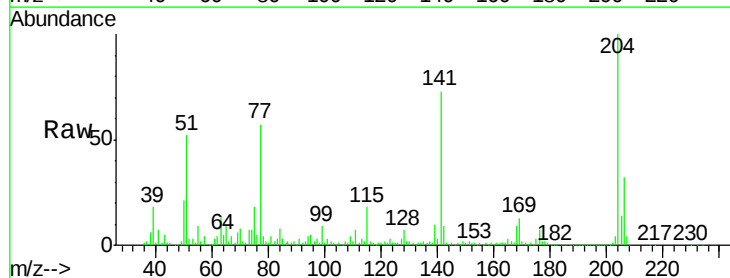
Instrument :
BNA_F
ClientSampled :
VE-4-11MSD

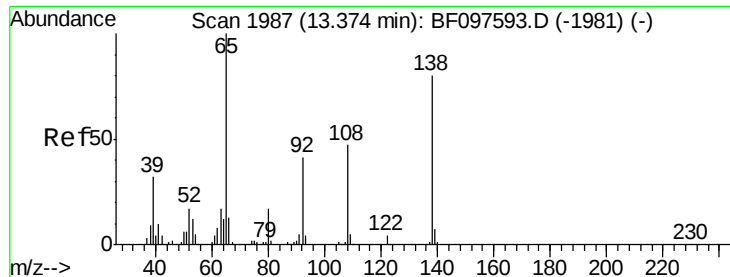
Tot Ion:149 Resp: 541154
Ion Ratio Lower Upper
149 100
177 20.3 16.7 25.1
150 12.6 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 43.41 ng
RT: 13.29 min Scan# 1973
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:204 Resp: 226575
Ion Ratio Lower Upper
204 100
206 32.1 26.2 39.2
141 73.0 60.8 91.2

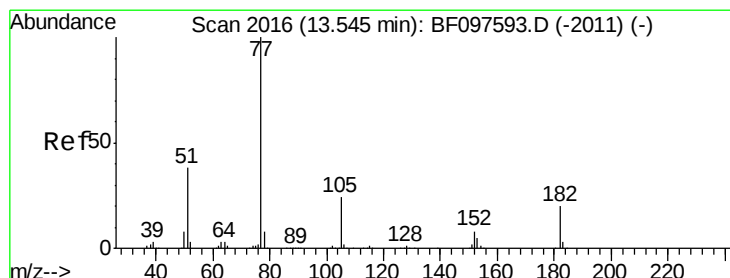
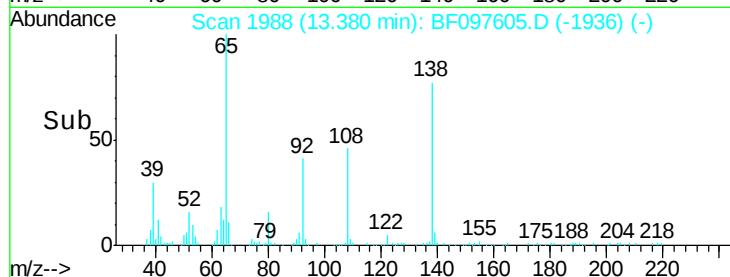
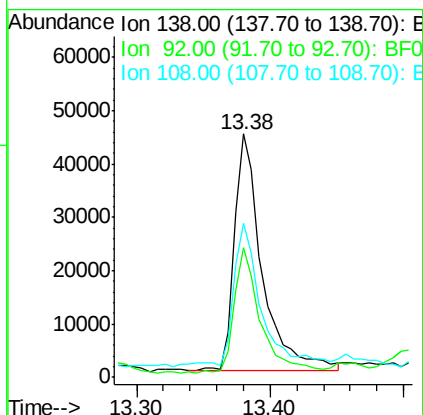
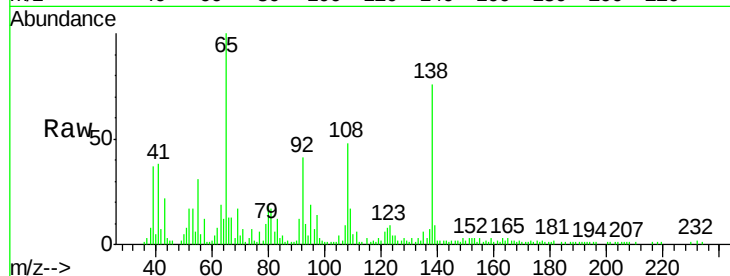




#61
4-Nitroaniline
Concen: 19.18 ng
RT: 13.38 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

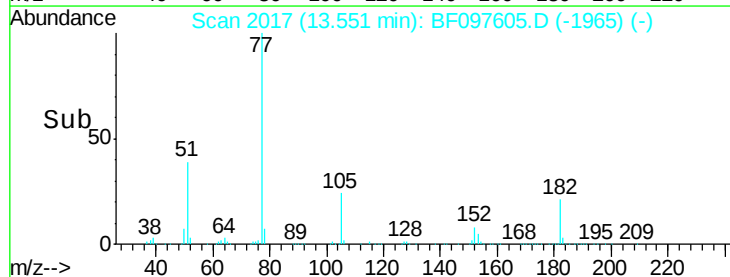
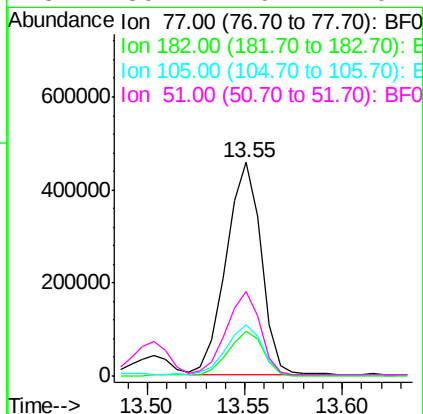
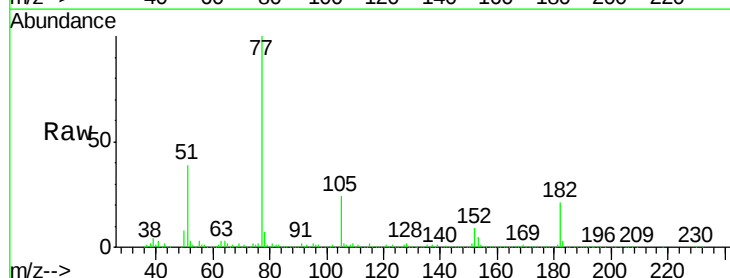
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

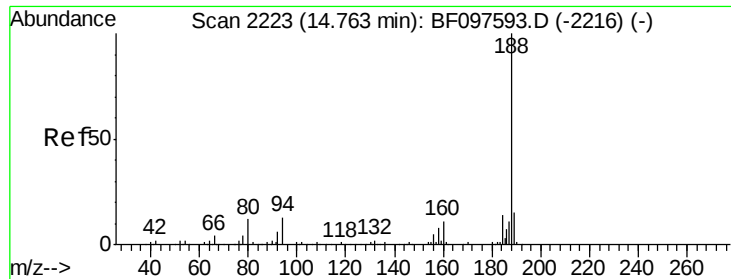
Tot Ion:138 Resp: 64518
Ion Ratio Lower Upper
138 100
92 53.5 21.8 61.8
108 63.1 42.3 82.3



#62
Azobenzene
Concen: 46.00 ng
RT: 13.55 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion: 77 Resp: 563595
Ion Ratio Lower Upper
77 100
182 21.0 0.1 40.1
105 24.0 3.6 43.6
51 39.4 9.4 49.4

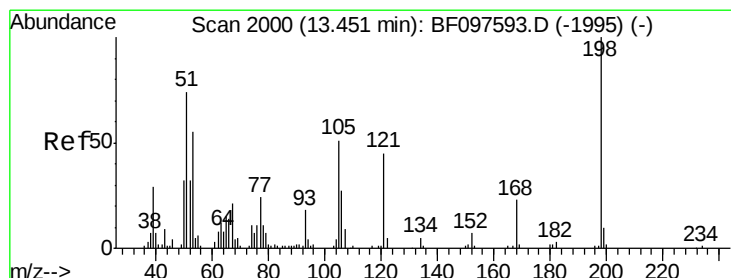
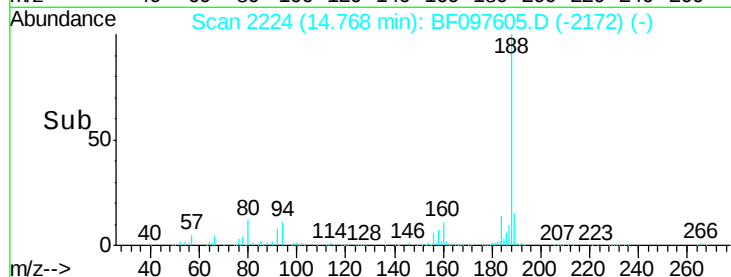
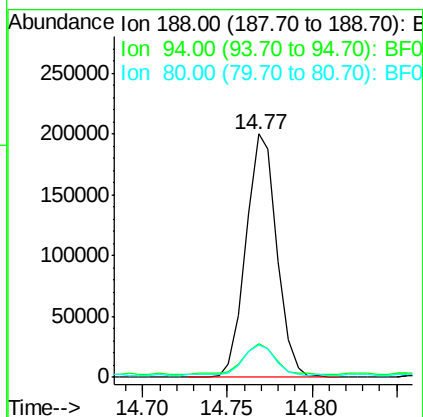
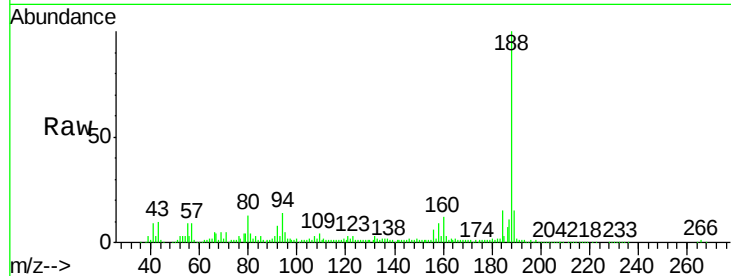




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 2224
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

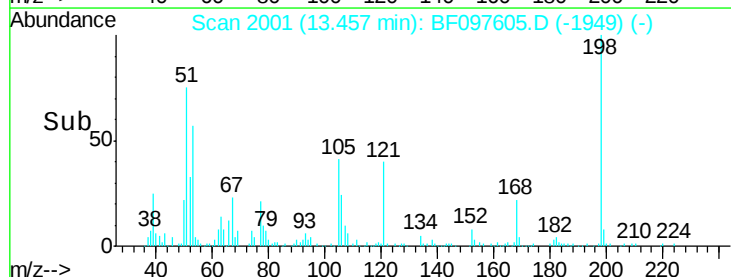
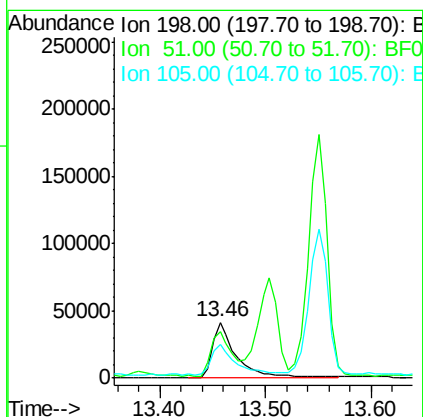
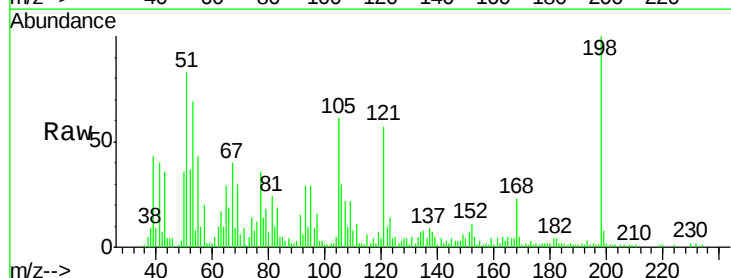
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

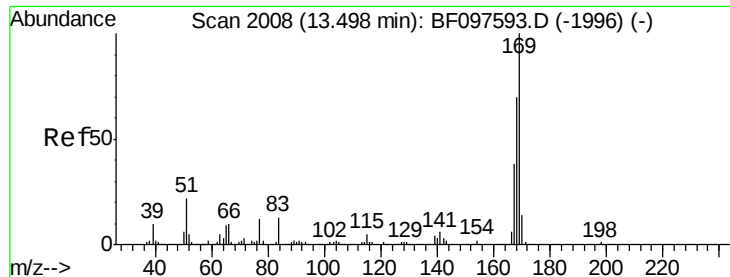
Tot Ion:188 Resp: 253073
Ion Ratio Lower Upper
188 100
94 13.9 9.4 14.2
80 13.3 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 43.51 ng
RT: 13.46 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:198 Resp: 67175
Ion Ratio Lower Upper
198 100
51 83.4 53.2 93.2
105 60.7 45.8 85.8





#65

n-Nitrosodiphenylamine

Concen: 46.05 ng

RT: 13.50 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

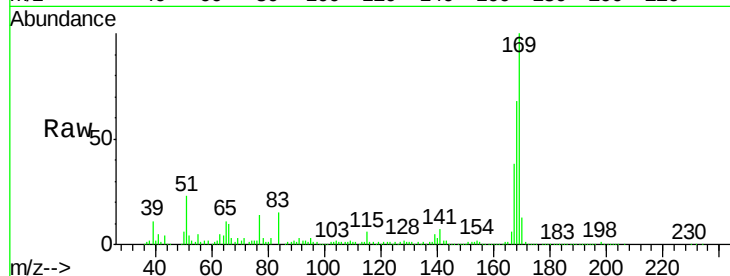
Tot Ion:169 Resp: 430680

Ion Ratio Lower Upper

169 100

168 68.2 53.2 79.8

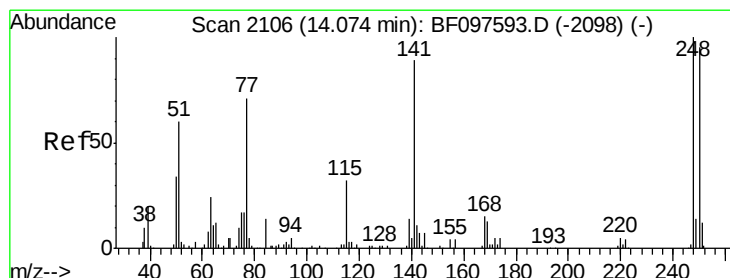
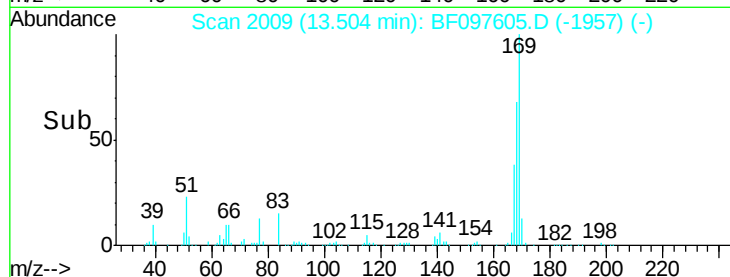
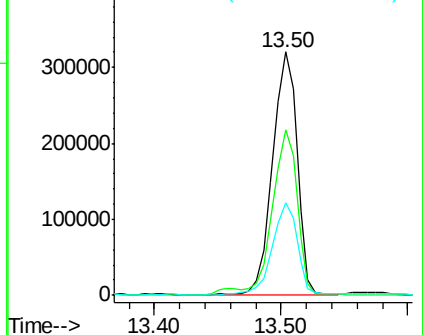
167 38.2 29.5 44.3



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: 46.68 ng

RT: 14.08 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

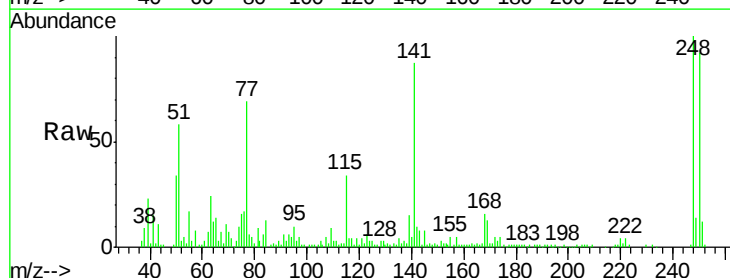
Tgt Ion:248 Resp: 122550

Ion Ratio Lower Upper

248 100

250 92.2 76.8 115.2

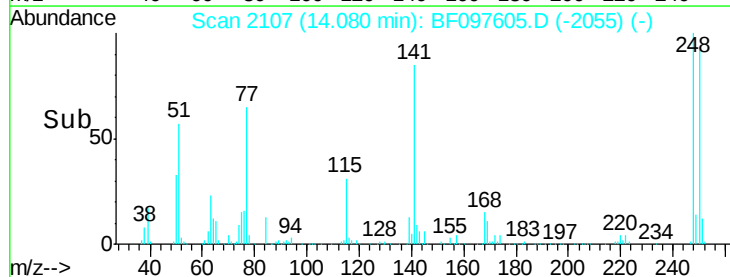
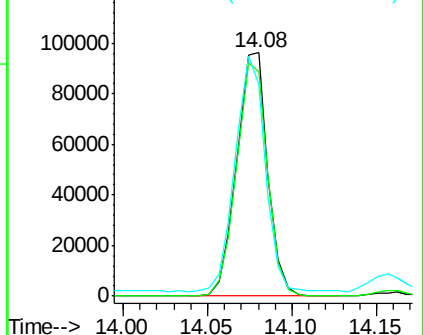
141 87.2 68.6 103.0

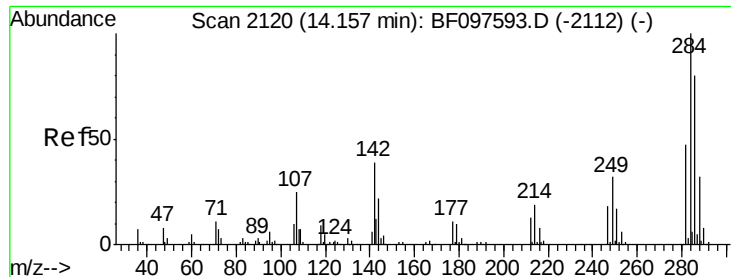


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

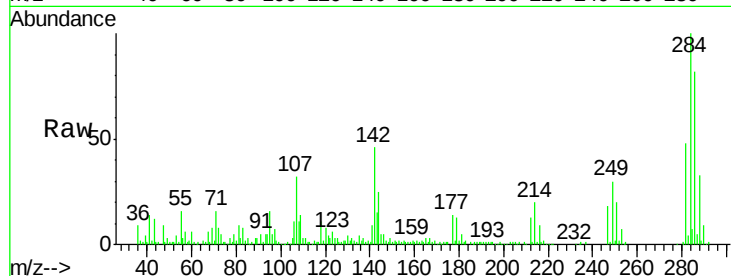




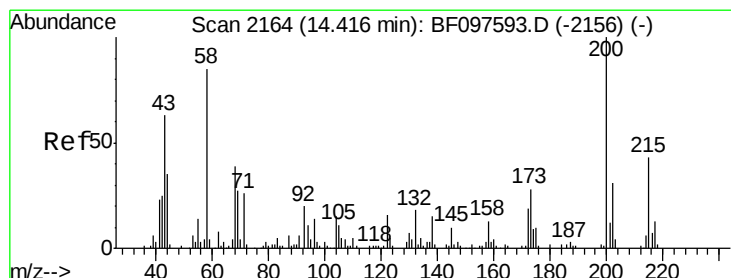
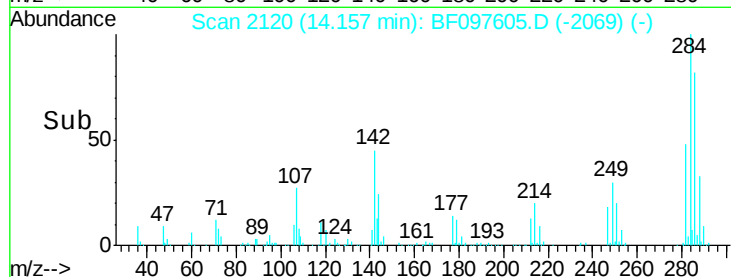
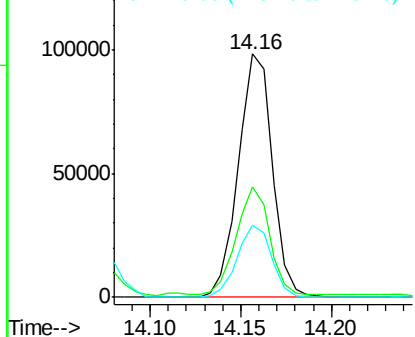
#67
Hexachlorobenzene
Concen: 44.82 ng
RT: 14.16 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:284 Resp: 128180
Ion Ratio Lower Upper
284 100
142 45.6 22.8 34.2#
249 29.6 24.0 36.0

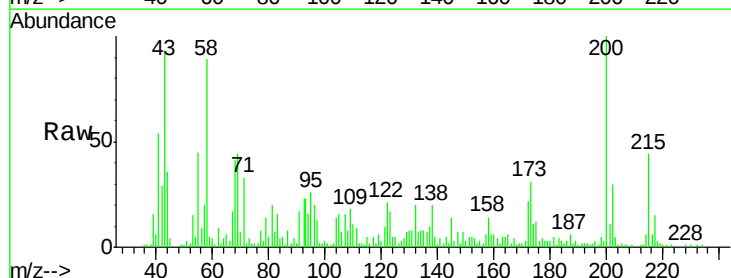


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

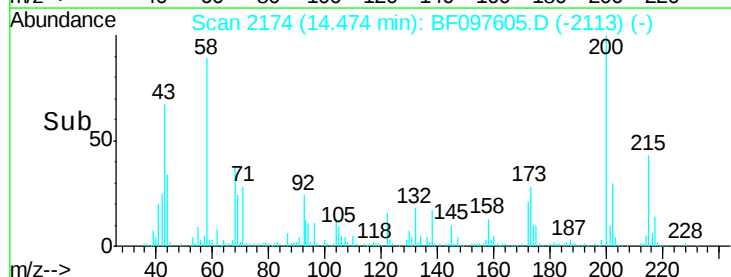
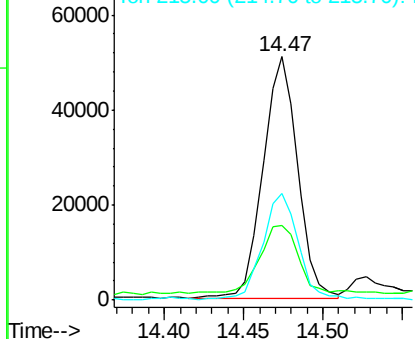


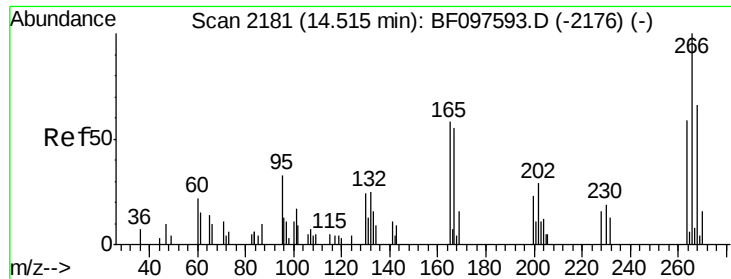
#68
Atrazine
Concen: 32.93 ng
RT: 14.47 min Scan# 2174
Delta R.T. 0.06 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:200 Resp: 77261
Ion Ratio Lower Upper
200 100
173 30.9 6.3 46.3
215 43.7 27.2 67.2



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

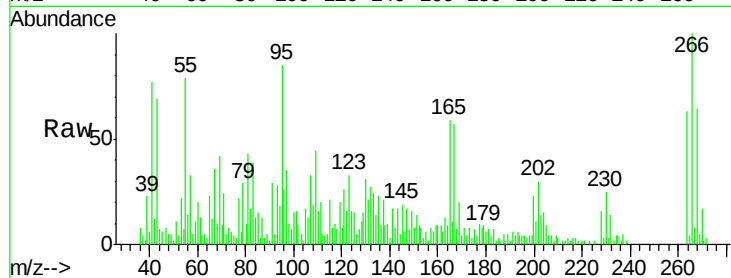




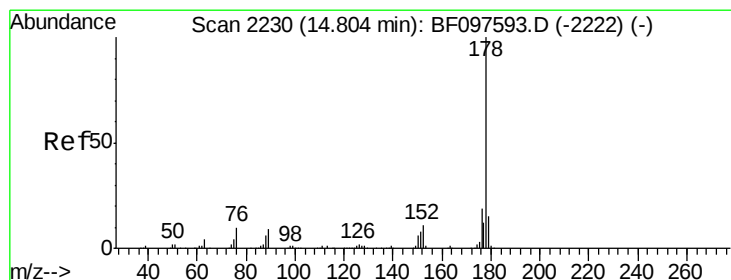
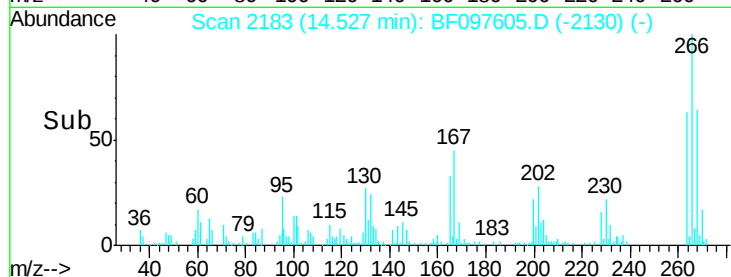
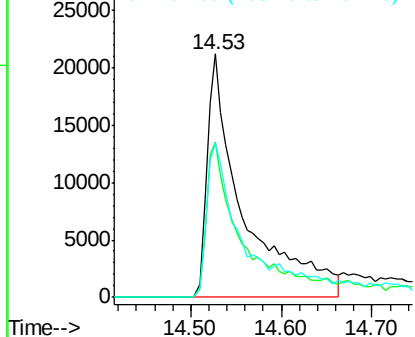
#69
 Pentachlorophenol
 Concen: 123.14 ng
 RT: 14.53 min Scan# 2183
 Delta R.T. 0.01 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion:266 Resp: 59224
 Ion Ratio Lower Upper
 266 100
 268 63.6 51.1 76.7
 264 63.5 51.7 77.5

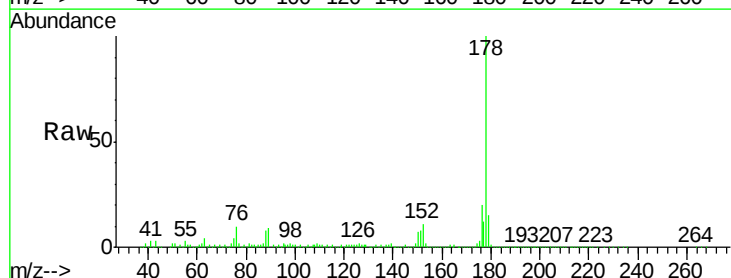


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

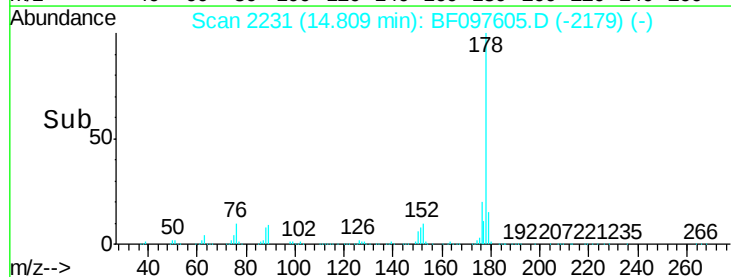
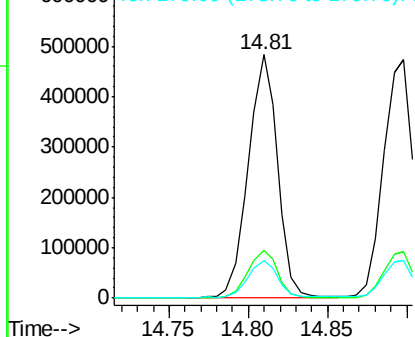


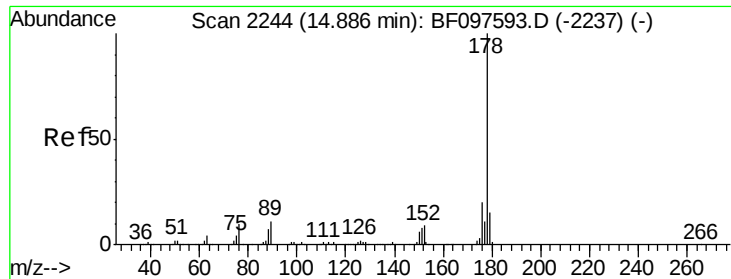
#70
 Phenanthrene
 Concen: 42.04 ng
 RT: 14.81 min Scan# 2231
 Delta R.T. 0.01 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion:178 Resp: 612826
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 15.3 12.6 19.0



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

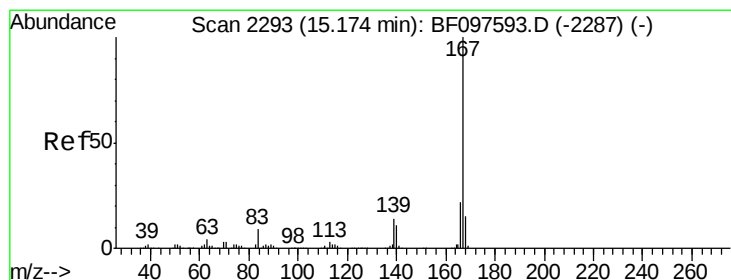
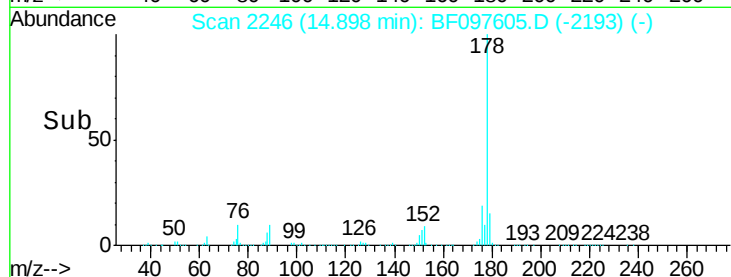
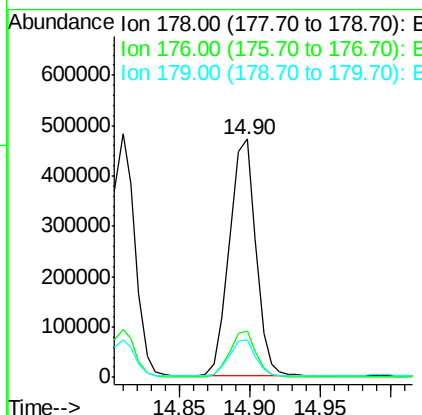
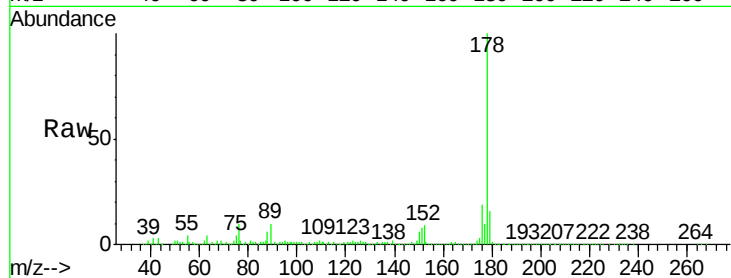




#71
 Anthracene
 Concen: 41.45 ng
 RT: 14.90 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

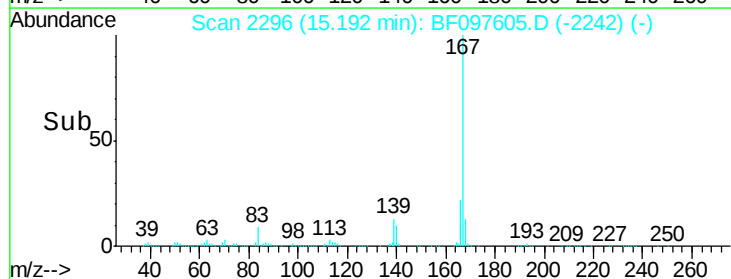
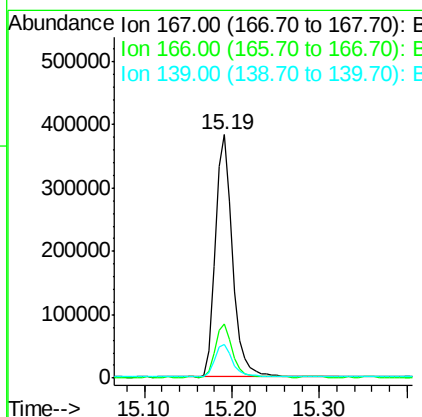
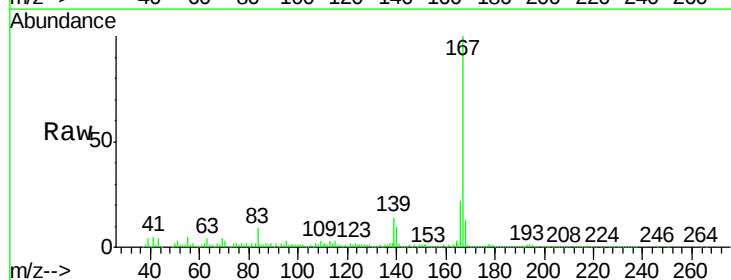
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

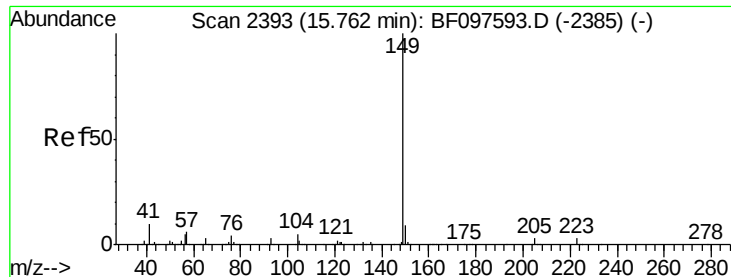
Tot Ion:178 Resp: 618233
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.8 12.7 19.1



#72
 Carbazole
 Concen: 36.88 ng
 RT: 15.19 min Scan# 2296
 Delta R.T. 0.02 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion:167 Resp: 523624
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 13.9 11.7 17.5

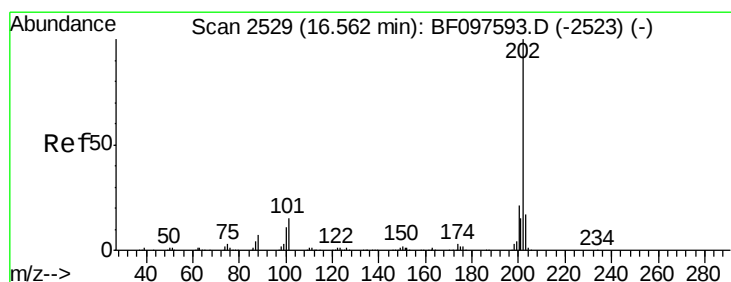
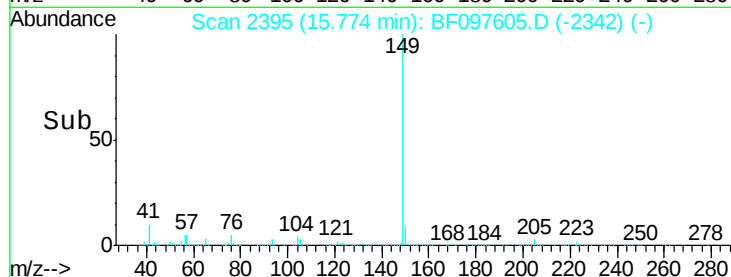
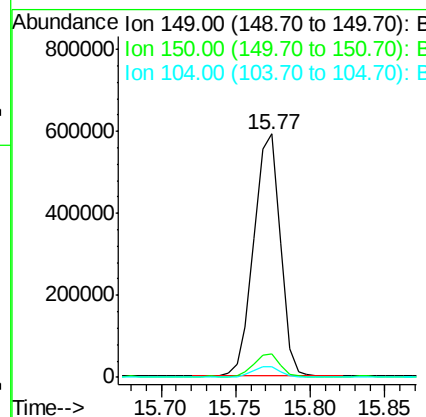
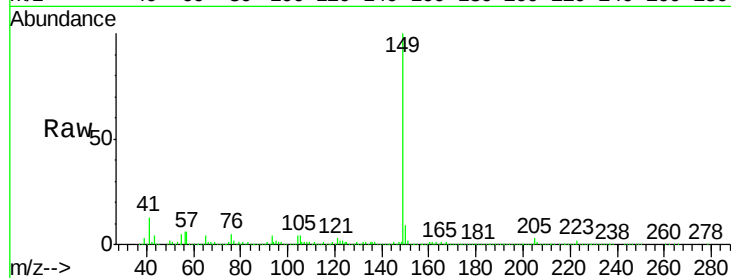




#73
Di-n-butylphthalate
Concen: 43.06 ng
RT: 15.77 min Scan# 2395
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

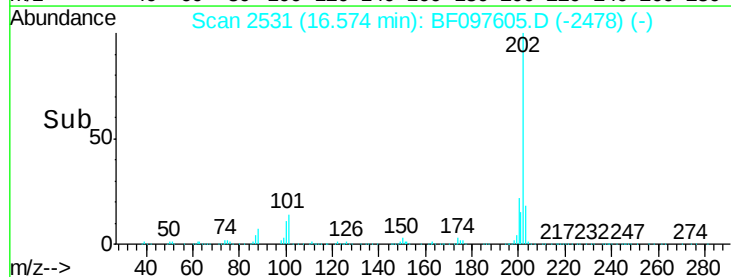
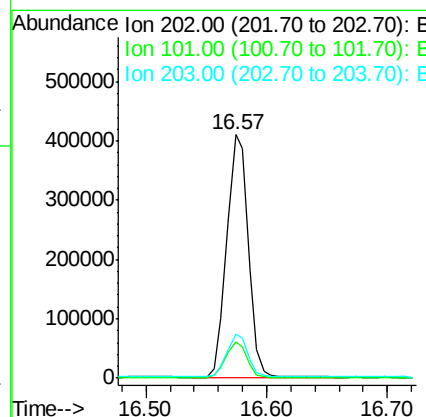
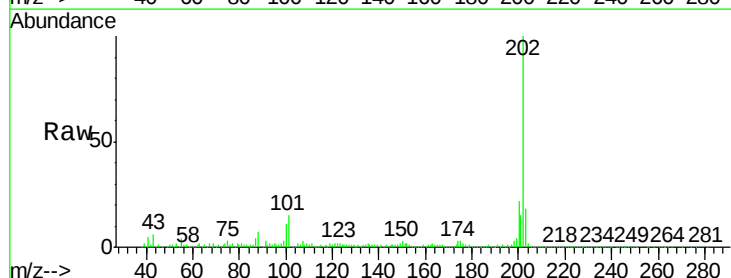
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

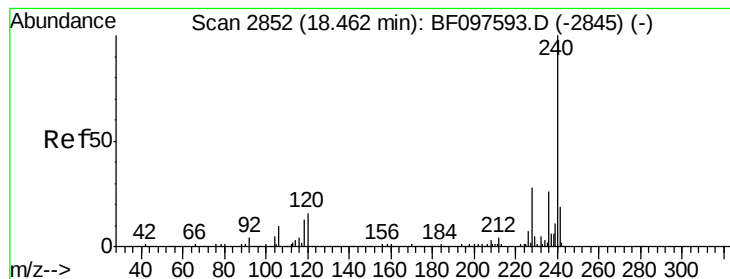
Tot Ion:149 Resp: 715565
Ion Ratio Lower Upper
149 100
150 9.5 7.7 11.5
104 4.4 4.0 6.0



#74
Fluoranthene
Concen: 38.34 ng
RT: 16.57 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:202 Resp: 504980
Ion Ratio Lower Upper
202 100
101 14.6 0.0 33.2
203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.48 min Scan# 2855

Delta R.T. 0.02 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

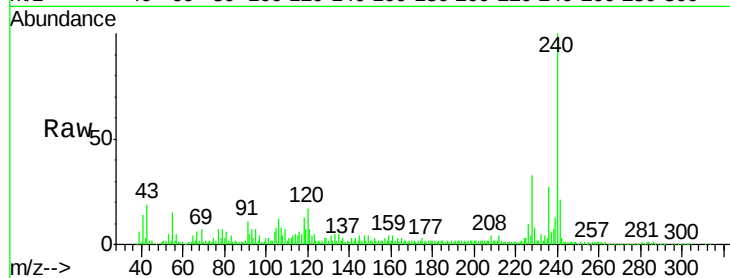
Tot Ion:240 Resp: 165386

Ion Ratio Lower Upper

240 100

120 16.5 5.8 8.8#

236 26.6 20.5 30.7

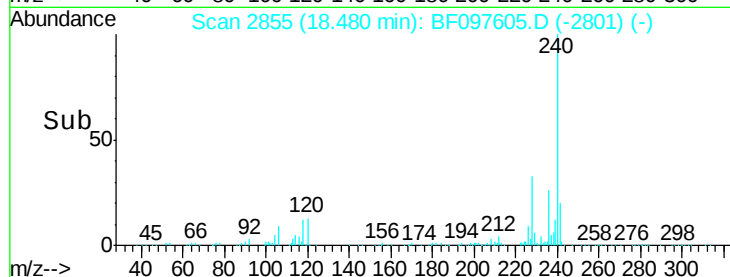


Abundance Ion 240.00 (239.70 to 240.70): E

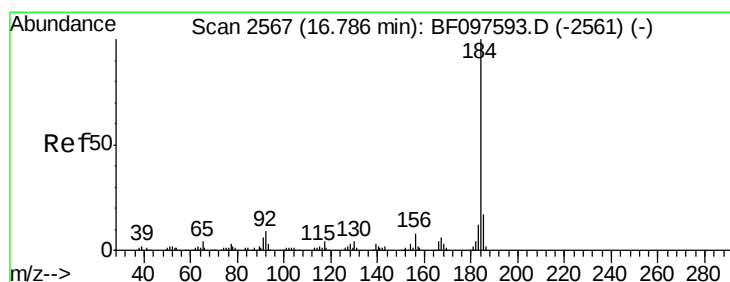
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

18.48



Time-->



#76

Benzidine

Concen: 0.09 ng

RT: 16.79 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

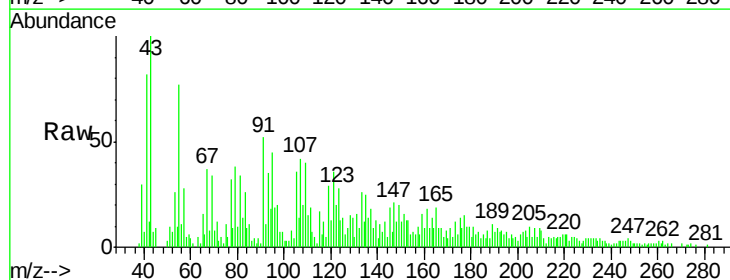
Tgt Ion:184 Resp: 506

Ion Ratio Lower Upper

184 100

185 175.9 15.5 23.3#

183 192.9 9.8 14.6#

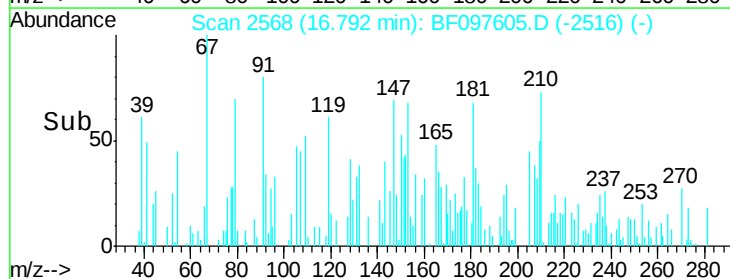


Abundance Ion 184.00 (183.70 to 184.70): E

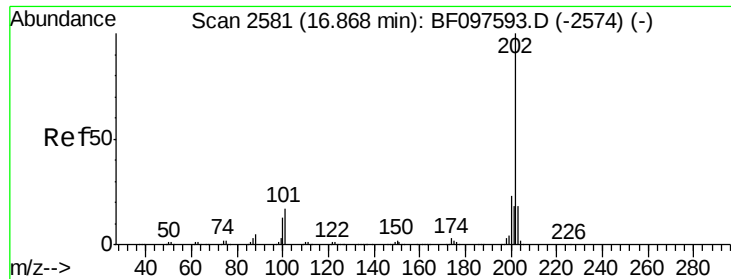
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

16.79



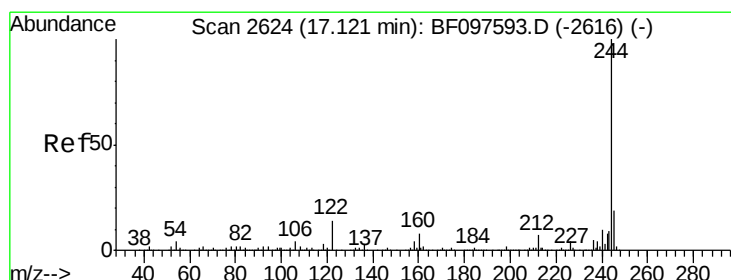
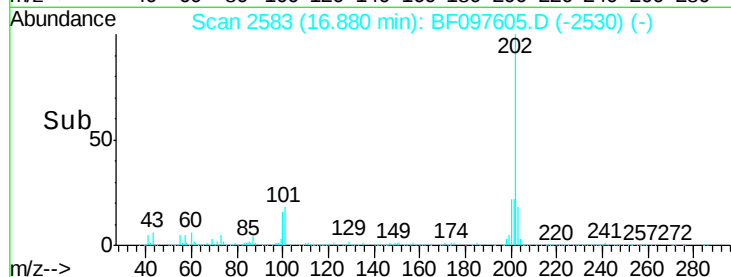
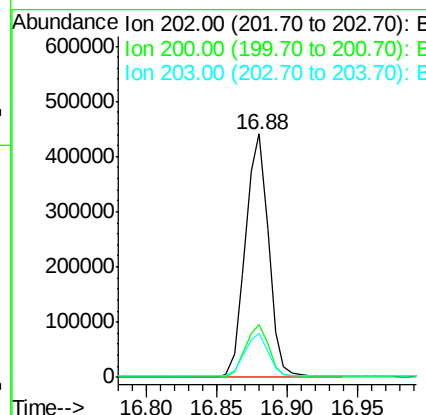
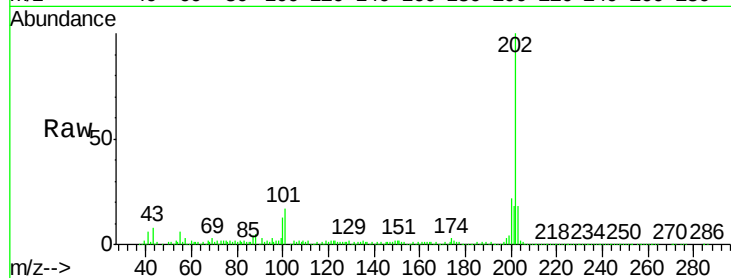
Time-->



#77
Pvrene
Concen: 36.82 ng
RT: 16.88 min Scan# 2583
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

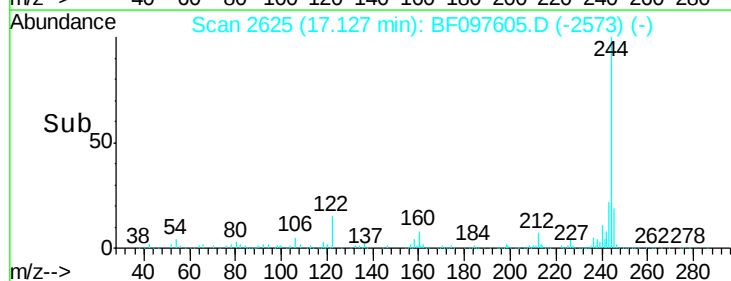
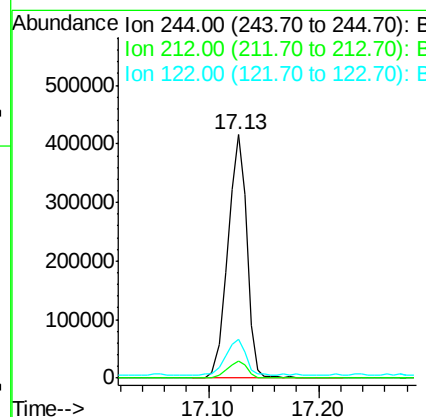
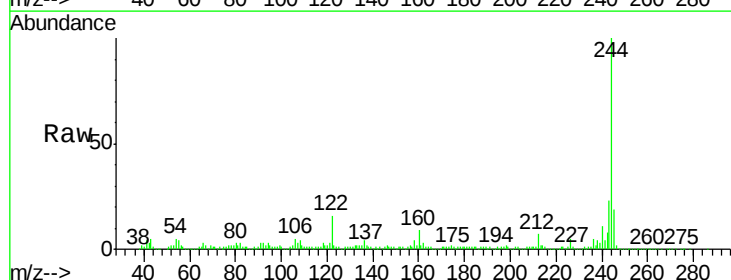
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

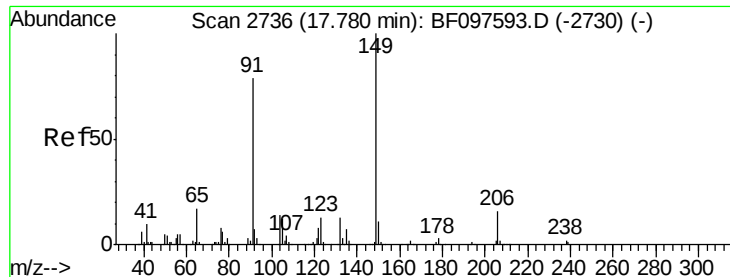
Tot Ion:	202	Resp:	503562
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.2	14.4	21.6



#78
Terphenyl-d14
Concen: 61.96 ng
RT: 17.13 min Scan# 2625
Delta R.T. 0.01 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:	244	Resp:	495135
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	16.1	10.3	15.5

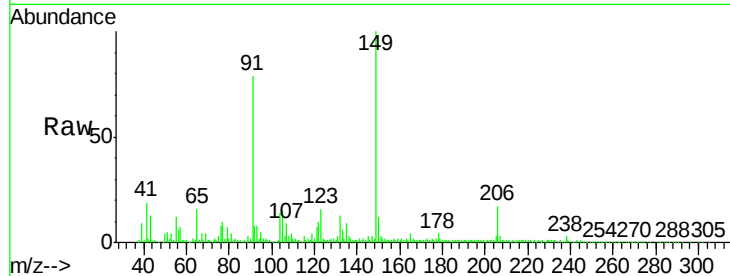




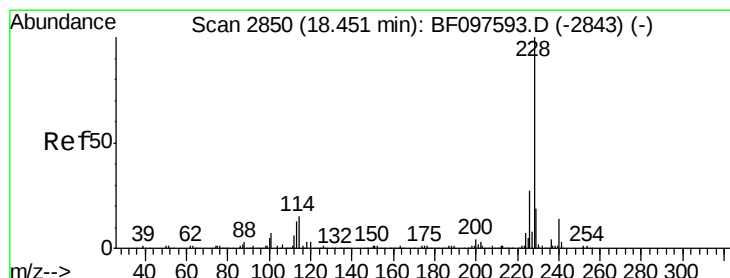
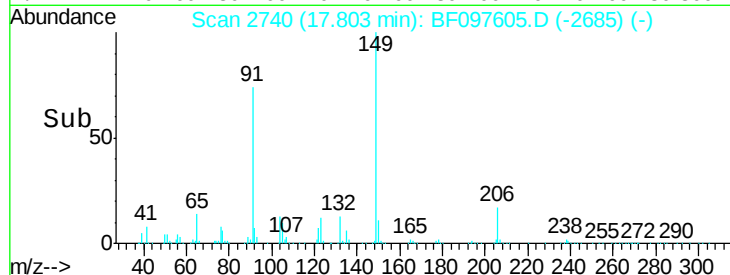
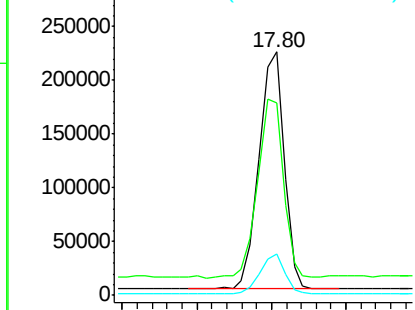
#79
Butylbenzylphthalate
Concen: 44.89 ng
RT: 17.80 min Scan# 2740
Delta R.T. 0.02 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	79.0	45.0	67.4#
206	17.0	17.0	25.6#

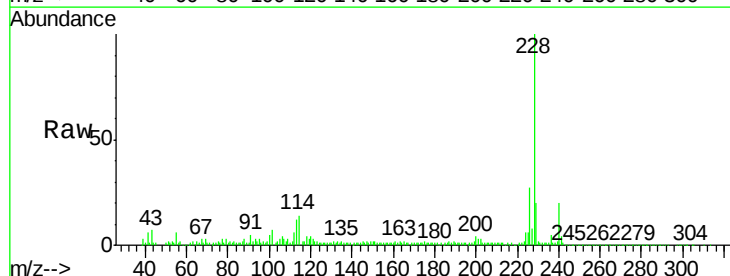


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

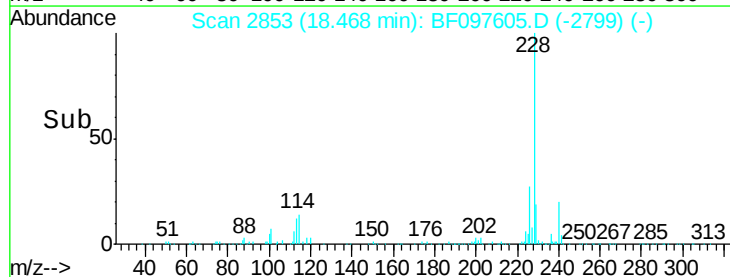
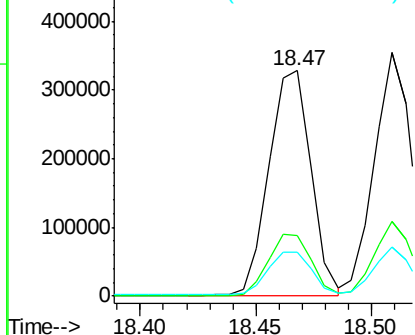


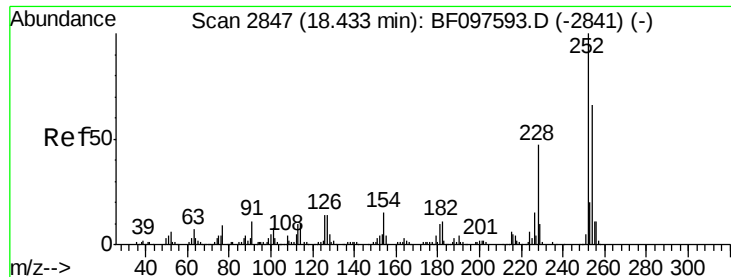
#80
Benzo(a)anthracene
Concen: 42.66 ng
RT: 18.47 min Scan# 2853
Delta R.T. 0.02 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	19.6	16.3	24.5



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

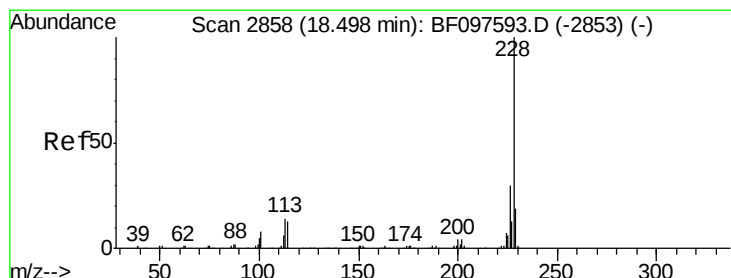
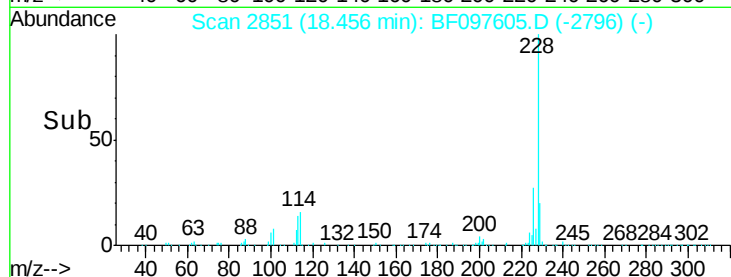
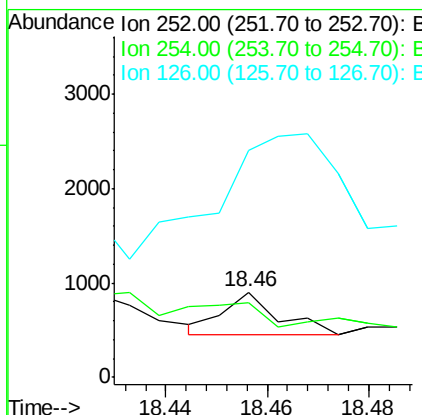
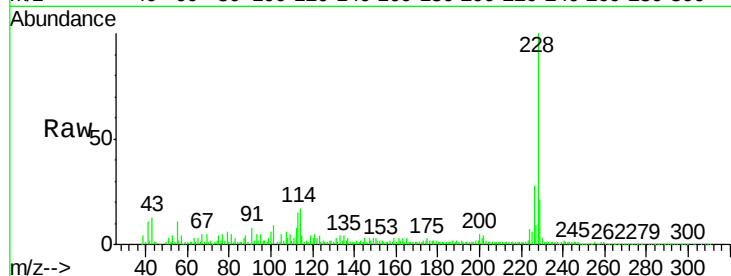




#81
 3,3'-Dichlorobenzidine
 Concen: 0.10 ng
 RT: 18.46 min Scan# 2851
 Delta R.T. 0.02 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

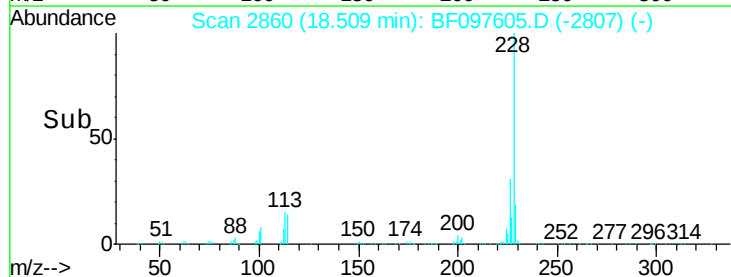
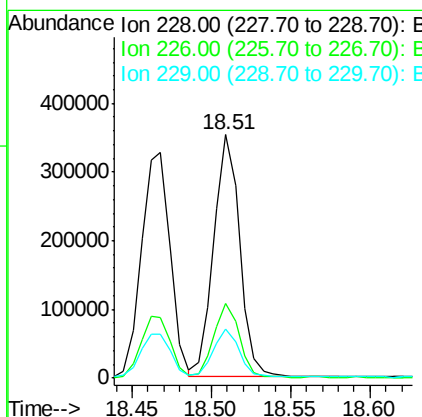
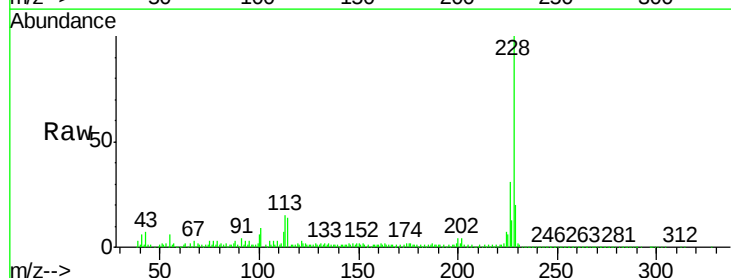
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

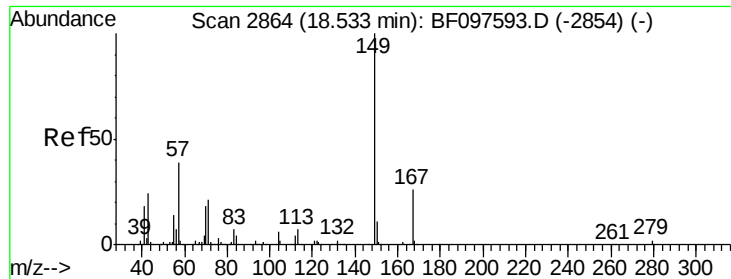
Tot Ion:252 Resp: 337
 Ion Ratio Lower Upper
 252 100
 254 87.8 51.5 77.3#
 126 266.5 15.8 23.8#



#82
 Chrysene
 Concen: 41.99 ng
 RT: 18.51 min Scan# 2860
 Delta R.T. 0.01 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion:228 Resp: 403395
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.9 37.3
 229 19.9 15.8 23.6

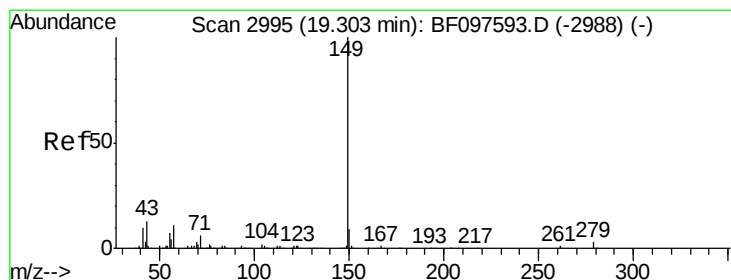
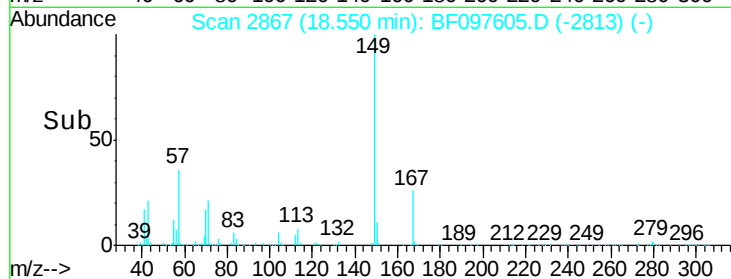
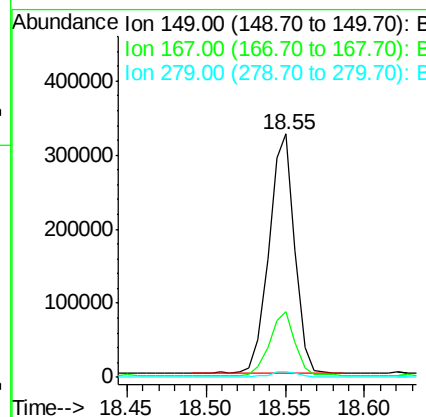
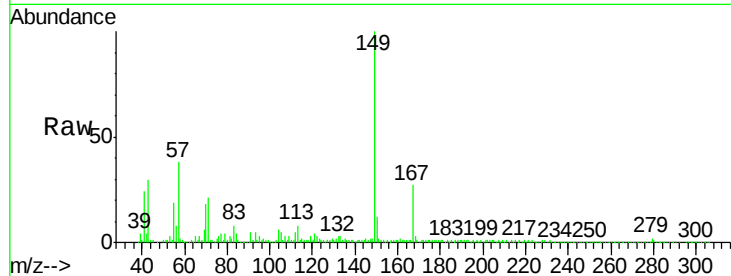




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.78 ng
 RT: 18.55 min Scan# 2867
 Delta R.T. 0.02 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

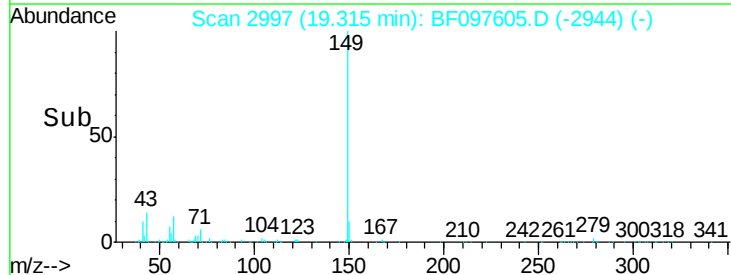
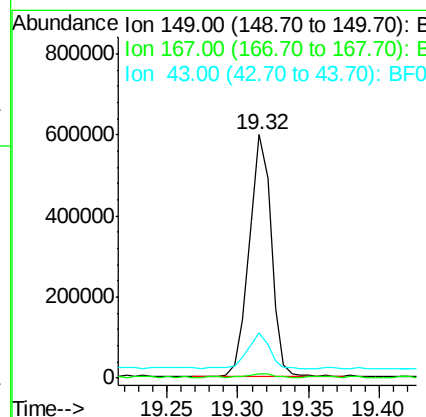
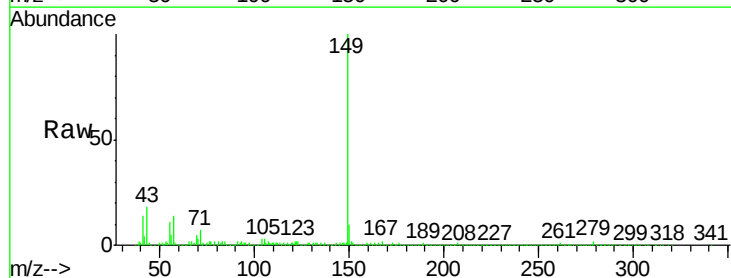
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

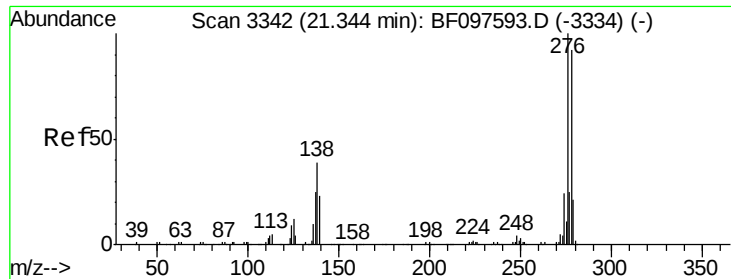
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.4
279	2.5	1.9	2.9



#84
 Di-n-octyl phthalate
 Concen: 45.76 ng
 RT: 19.32 min Scan# 2997
 Delta R.T. 0.01 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.2	8.5	12.7

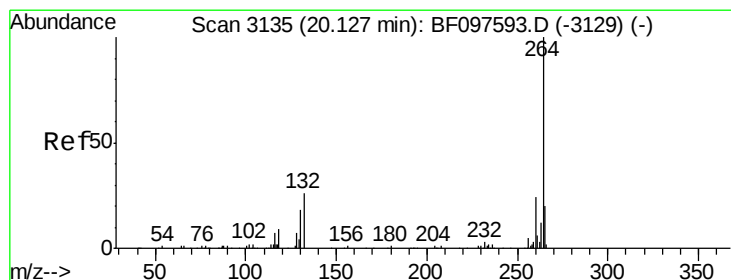
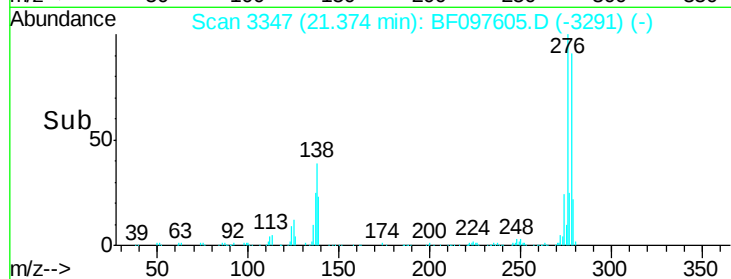
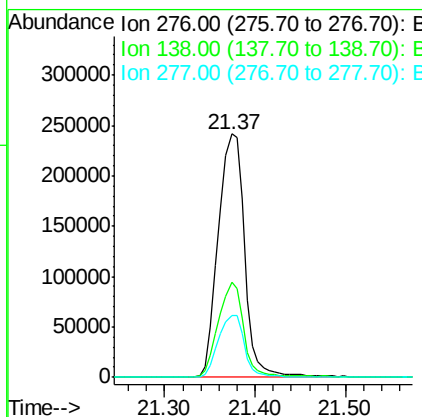
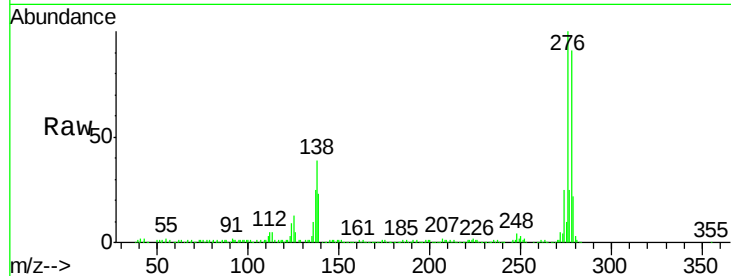




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 65.57 ng
 RT: 21.37 min Scan# 3347
 Delta R.T. 0.03 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

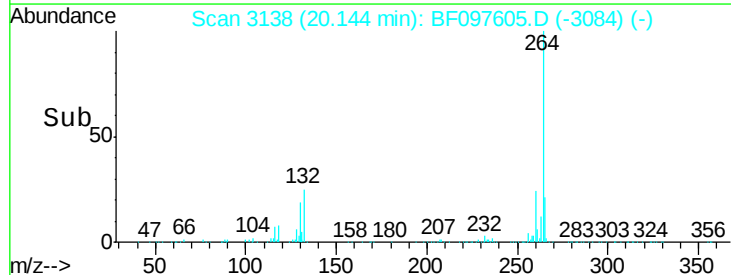
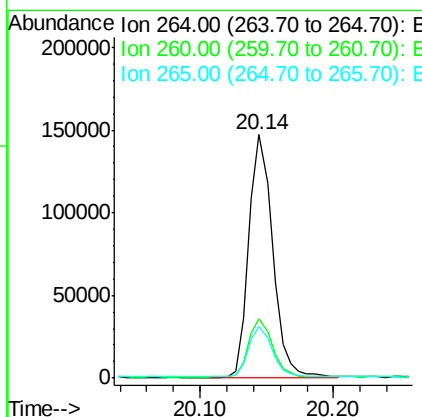
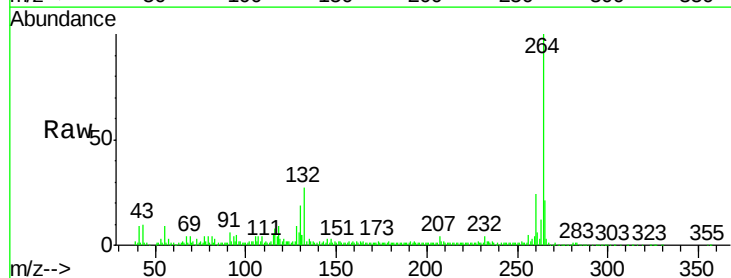
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

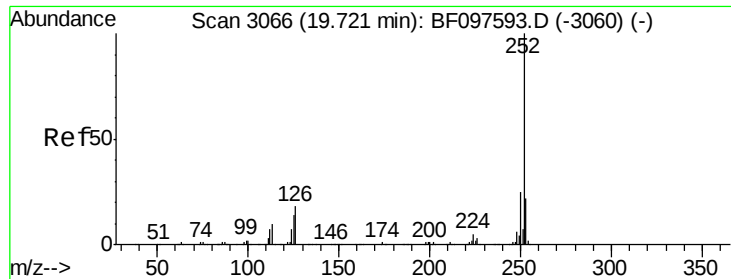
Tot Ion	Ratio	Lower	Upper
276	100		
138	36.9	27.8	41.6
277	25.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.14 min Scan# 3138
 Delta R.T. 0.02 min
 Lab File: BF097605.D
 Acq: 11 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.1	17.2	25.8

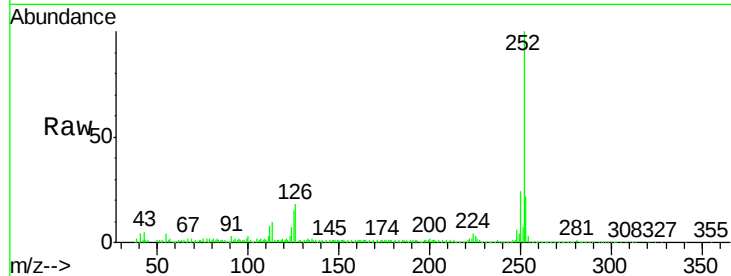




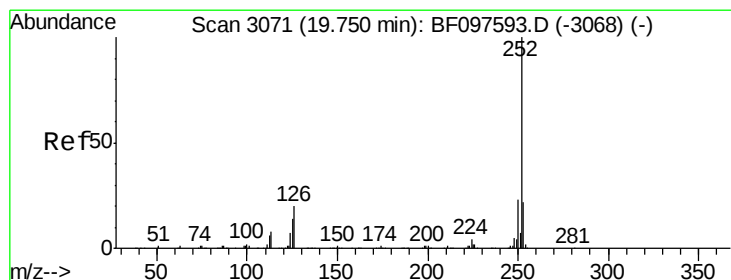
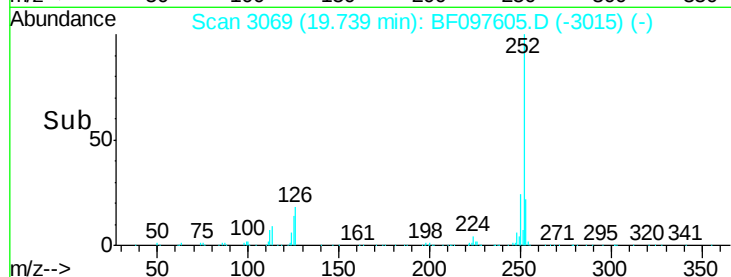
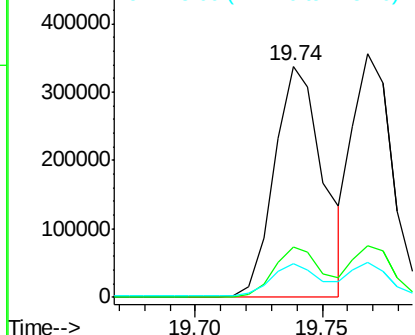
#87
Benzo(b)fluoranthene
Concen: 41.78 ng
RT: 19.74 min Scan# 3069
Delta R.T. 0.02 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:252 Resp: 450531
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 14.7 9.8 14.8

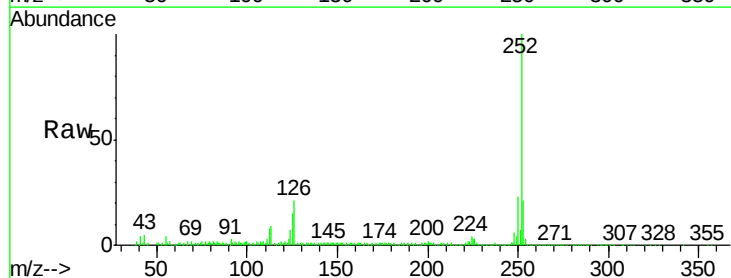


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

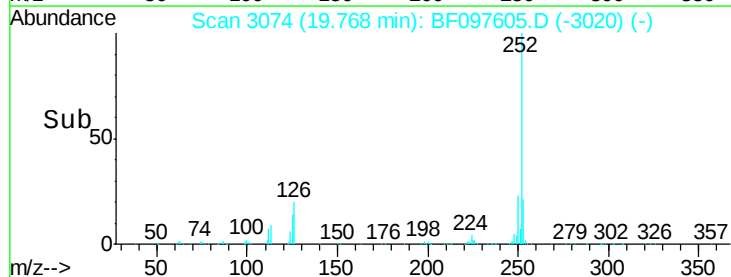
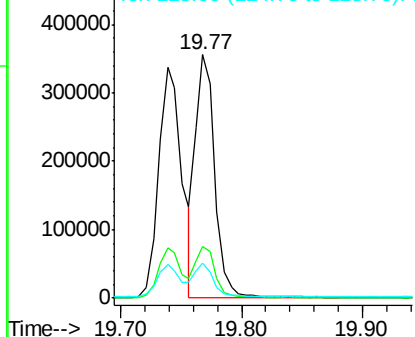


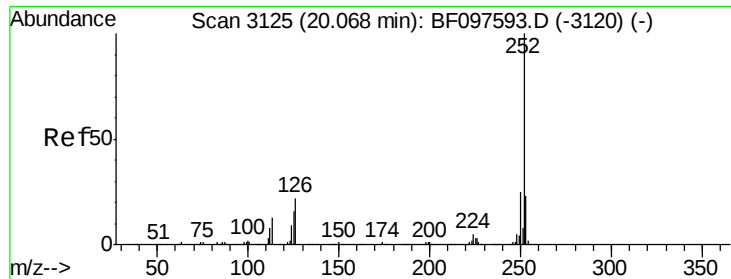
#88
Benzo(k)fluoranthene
Concen: 36.33 ng
RT: 19.77 min Scan# 3074
Delta R.T. 0.02 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:252 Resp: 394579
Ion Ratio Lower Upper
252 100
253 21.3 18.4 27.6
125 14.5 13.1 19.7



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

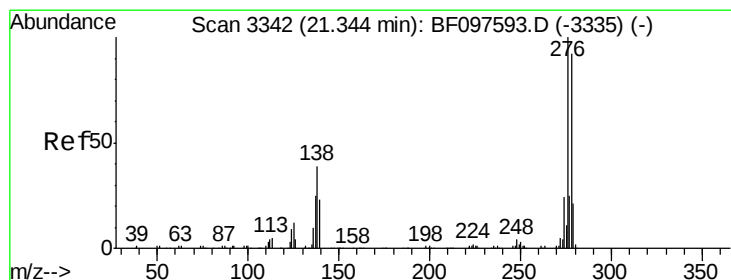
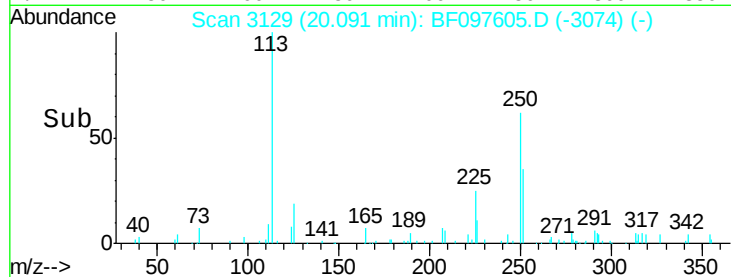
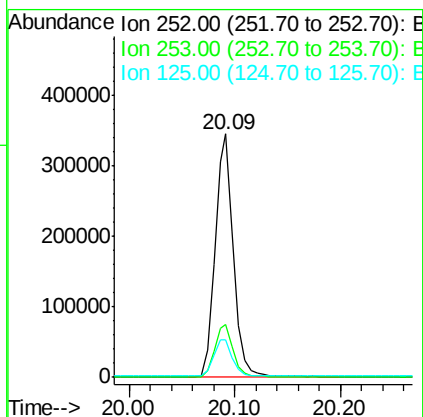
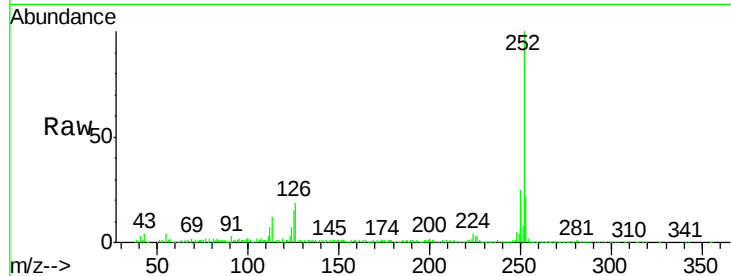




#89
Benzo(a)pyrene
Concen: 42.33 ng
RT: 20.09 min Scan# 3129
Delta R.T. 0.02 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

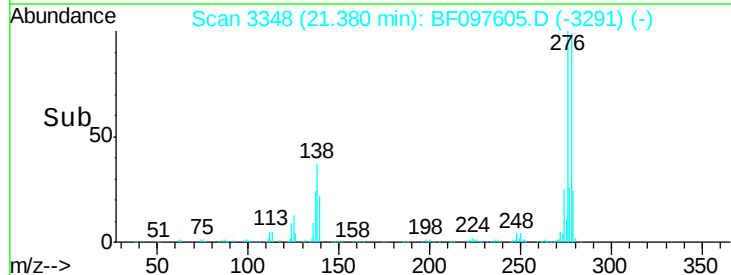
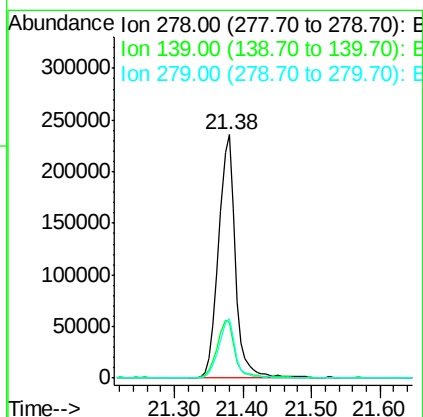
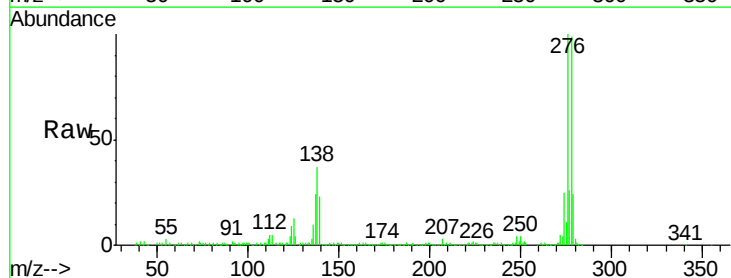
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

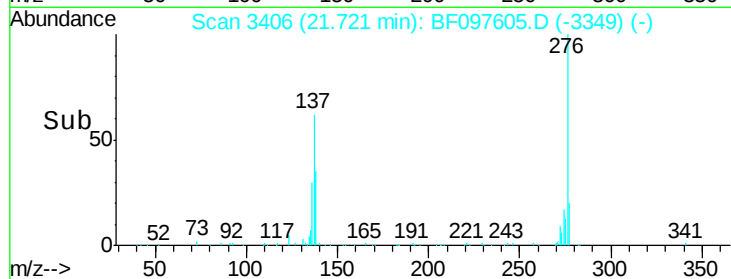
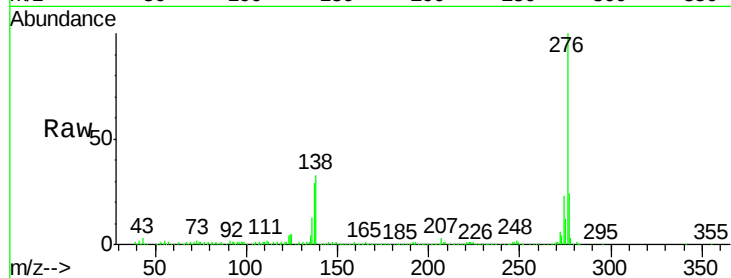
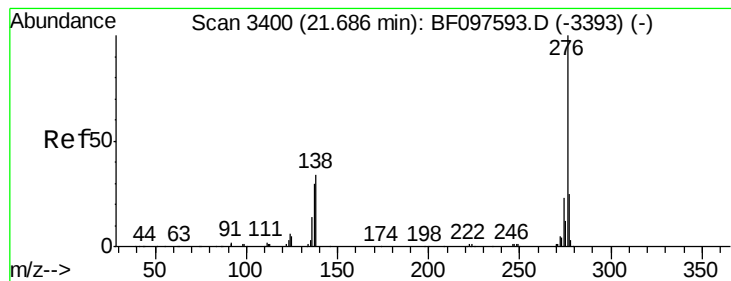
Tot Ion:252 Resp: 419013
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 15.4 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 56.91 ng
RT: 21.38 min Scan# 3348
Delta R.T. 0.04 min
Lab File: BF097605.D
Acq: 11 Aug 2017 20:47

Tgt Ion:278 Resp: 403343
Ion Ratio Lower Upper
278 100
139 22.9 16.6 24.8
279 24.6 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 56.27 ng

RT: 21.72 min Scan# 3406

Delta R.T. 0.04 min

Lab File: BF097605.D

Acq: 11 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion: 276 Resp: 437499

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 33.4 25.4 38.0

