

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098586.D
 Acq On : 15 Sep 2017 23:22
 Operator : SJ/JU
 Sample : I5120-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-16(0-10)COMP

Quant Time: Sep 16 01:53:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

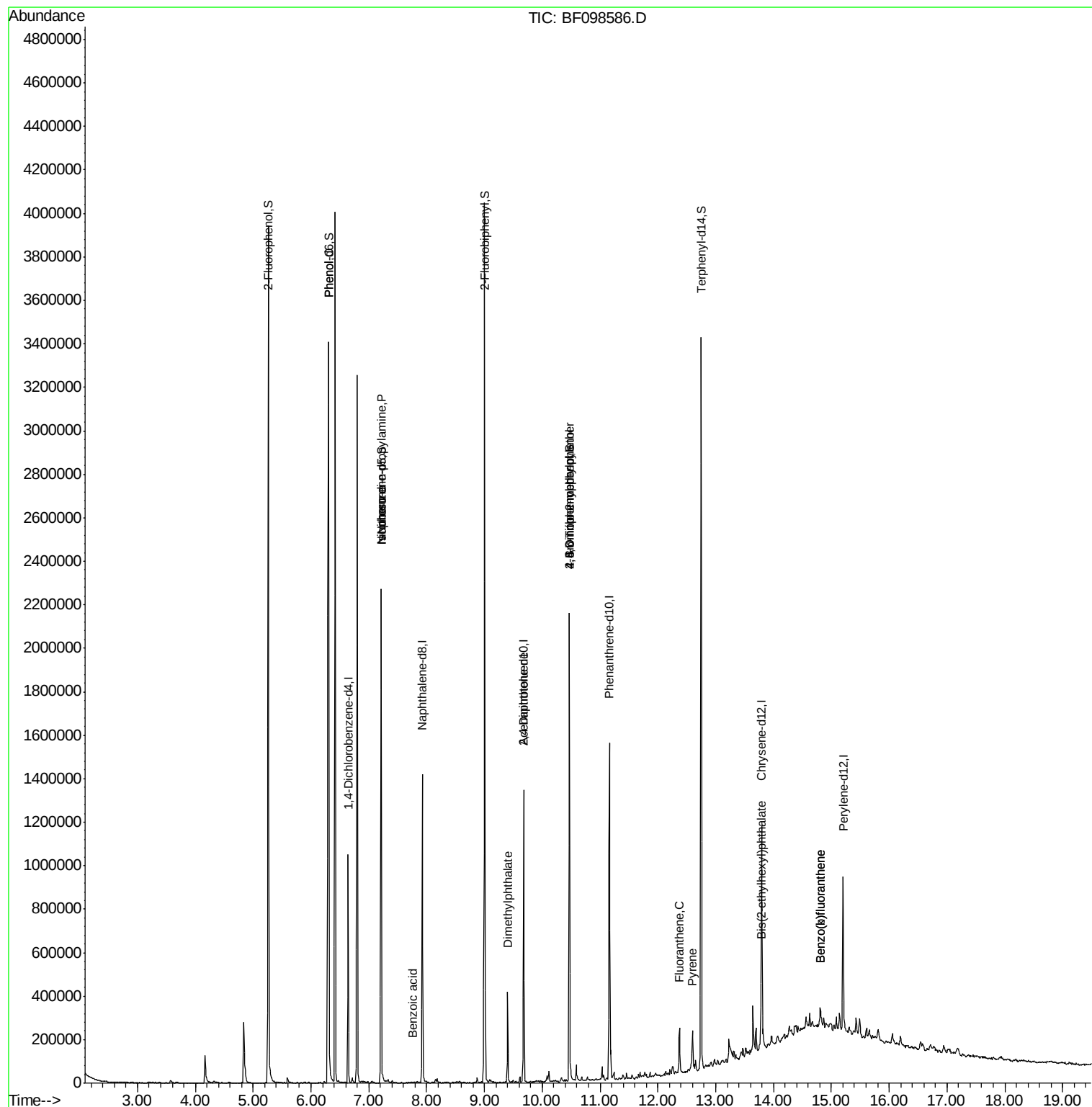
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	148695	20.00	ng	-0.03
21) Naphthalene-d8	7.93	136	624567	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	263140	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	509172	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	310654	20.00	ng	-0.02
86) Perylene-d12	15.20	264	306537	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1086298	108.01	ng	-0.01
7) Phenol-d6	6.30	99	1335605	104.60	ng	-0.02
23) Nitrobenzene-d5	7.22	82	764094	68.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	246795	140.52	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1404638	90.47	ng	-0.03
78) Terphenyl-d14	12.75	244	1011374	70.27	ng	-0.02
Target Compounds						
10) Phenol	6.31	94	54428	3.670	ng	79
19) n-Nitroso-di-n-propylamine	7.22	70	105208	13.099	ng	# 80
25) Isophorone	7.22	82	750273	33.100	ng	# 67
32) Benzoic acid	7.77	122	121	7.985	ng	99
49) Dimethylphthalate	9.40	163	160623	7.886	ng	97
56) 2,4-Dinitrotoluene	9.68	165	34064	6.697	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.47	198	656	5.153	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	18631	3.855	ng	# 1
74) Fluoranthene	12.37	202	76977	2.849	ng	98
77) Pyrene	12.60	202	69290	2.827	ng	99
83) Bis(2-ethylhexyl)phthalate	13.78	149	33779	2.532	ng	98
87) Benzo(b)fluoranthene	14.81	252	56951	2.955	ng	# 91
88) Benzo(k)fluoranthene	14.81	252	56951	3.165	ng	96

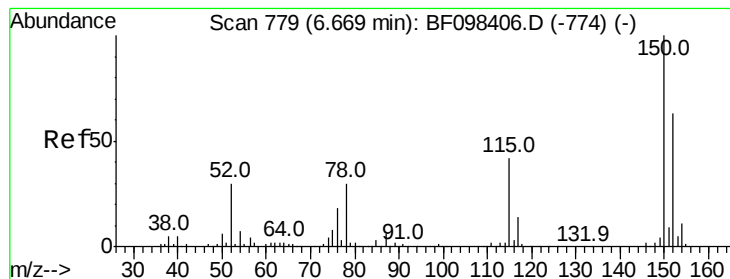
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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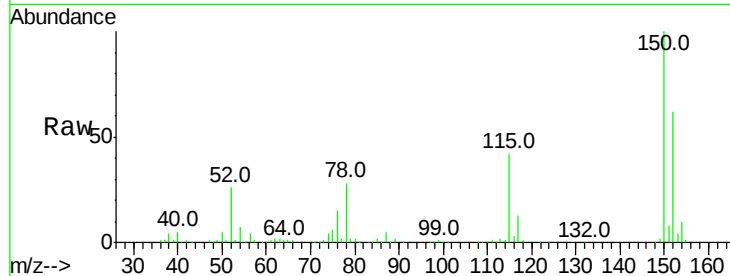


#1

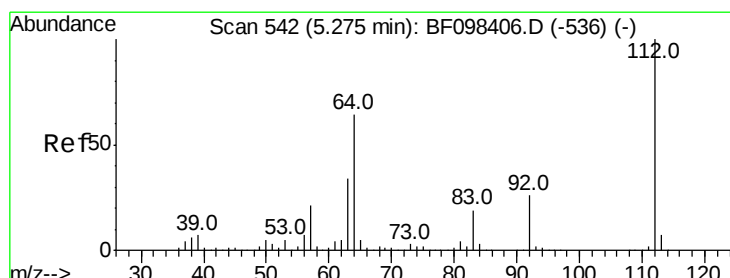
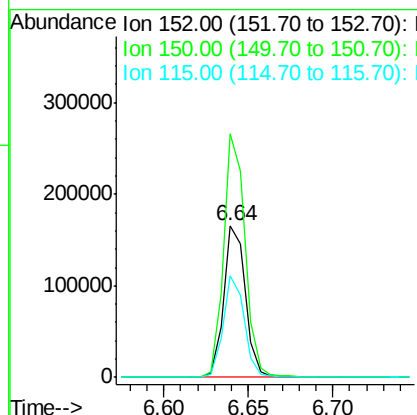
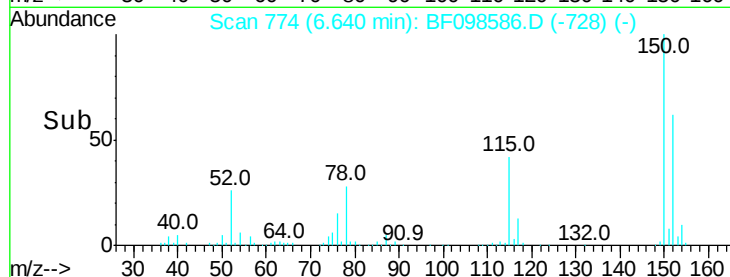
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.64 min Scan# 774
 Delta R.T. -0.03 min
 Lab File: BF098586.D
 Acq: 15 Sep 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :
 B-16(0-10)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.2	189.2
115	67.2	52.2	78.2



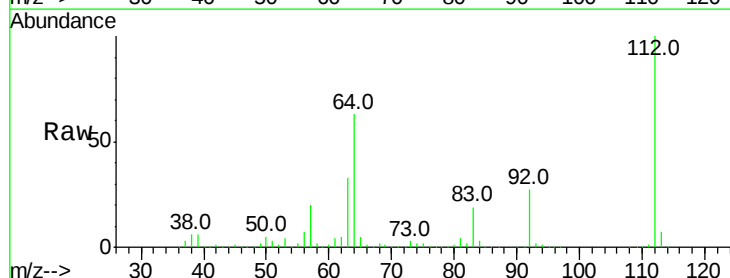
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



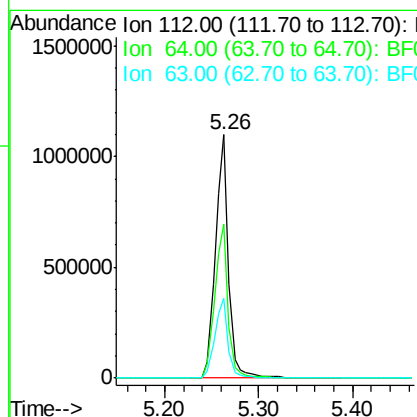
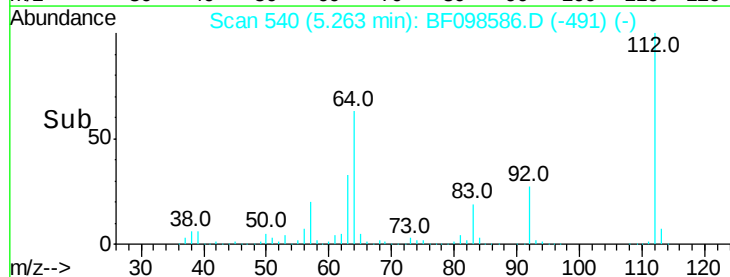
#5

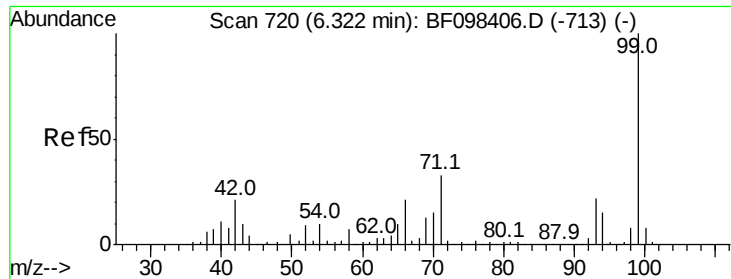
2-Fluorophenol
 Concen: 108.014 ng
 RT: 5.26 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: BF098586.D
 Acq: 15 Sep 2017 23:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	46.0	69.0
63	33.0	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





#7

Phenol-d6

Concen: 104.597 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Instrument :

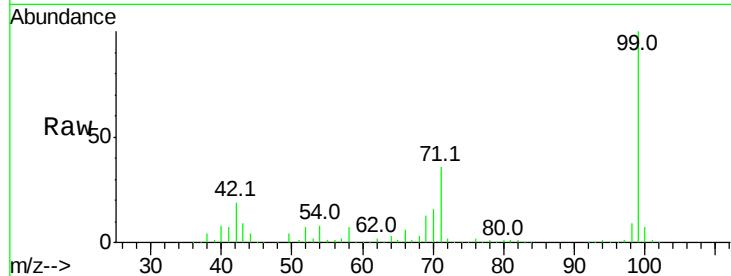
BNA_F

ClientSampleId :

B-16(0-10)COMP

Tot Ion: 99 Resp: 1335605

Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.5	20.3
71	35.9	24.5	36.7

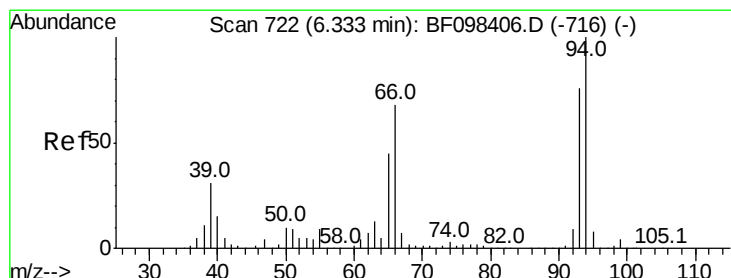
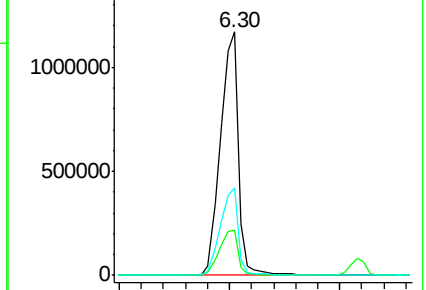
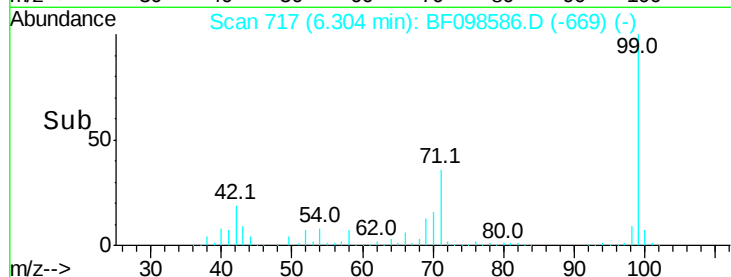


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.670 ng

RT: 6.31 min Scan# 718

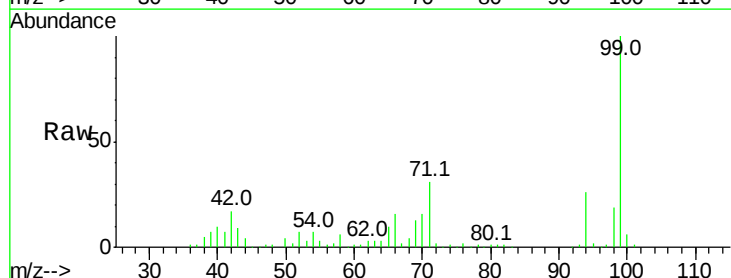
Delta R.T. -0.02 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Tgt Ion: 94 Resp: 54428

Ion	Ratio	Lower	Upper
94	100		
65	36.3	9.9	49.9
66	60.4	23.1	63.1

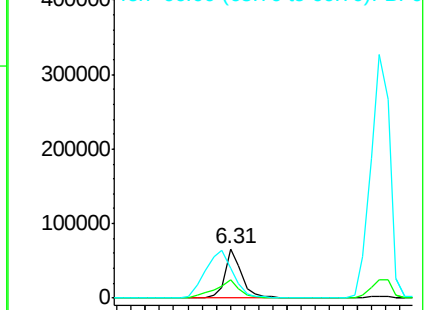
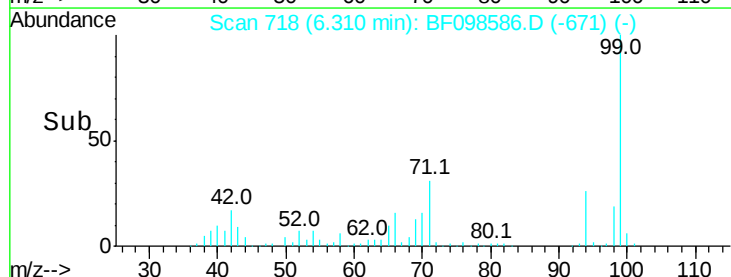


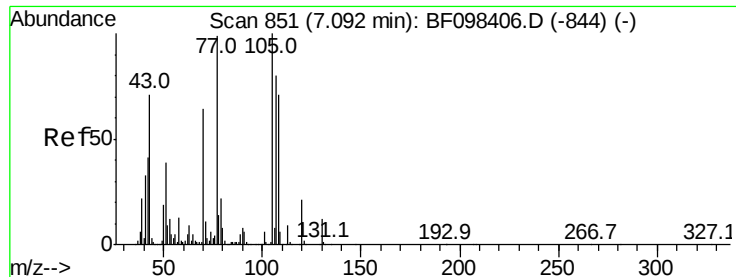
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.099 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.12 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Instrument :

BNA_F

ClientSampleId :

B-16(0-10)COMP

Tot Ion: 70 Resp: 105208

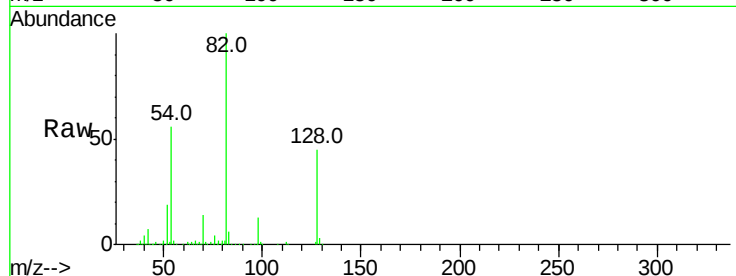
Ion Ratio Lower Upper

70 100

42 48.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

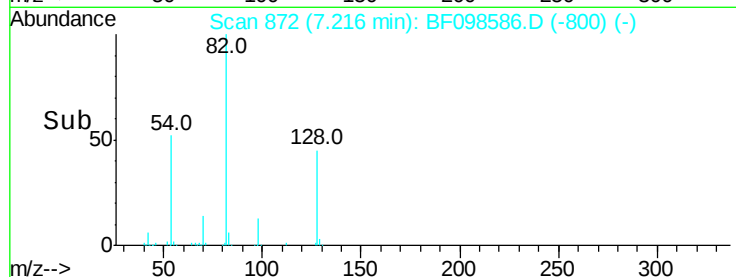


Abundance Ion 70.00 (69.70 to 70.70): BF0

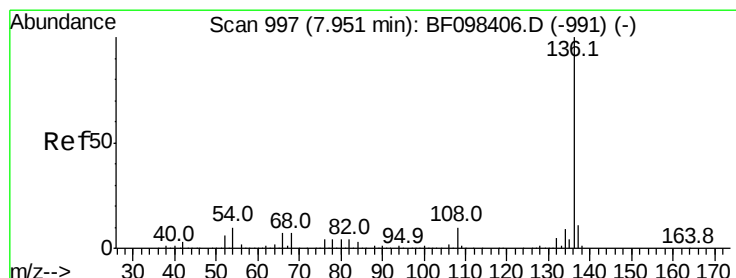
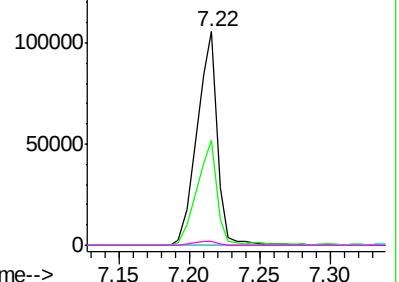
Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Tgt Ion: 136 Resp: 624567

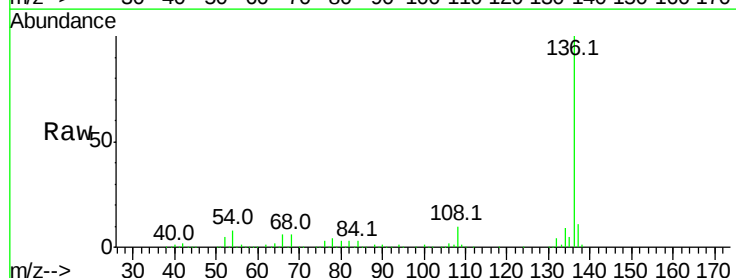
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.5 4.9 7.3#

68 5.9 4.1 6.1

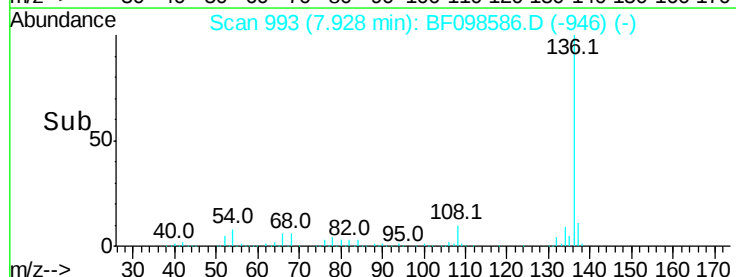


Abundance Ion 136.00 (135.70 to 136.70): BF0

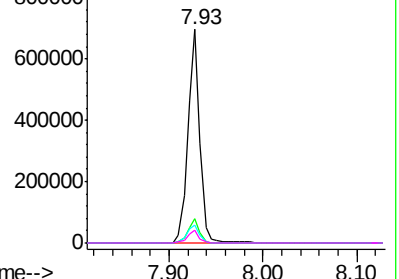
Ion 137.00 (136.70 to 137.70): BF0

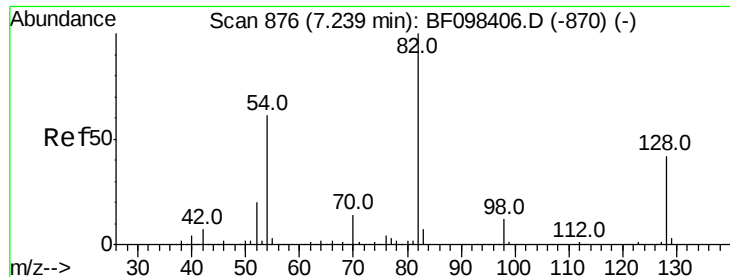
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

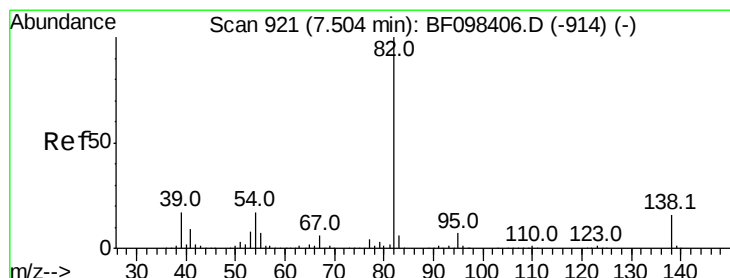
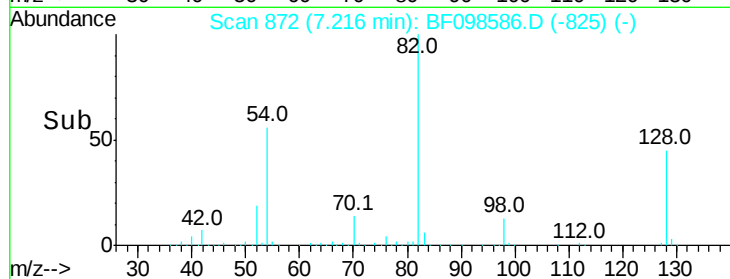
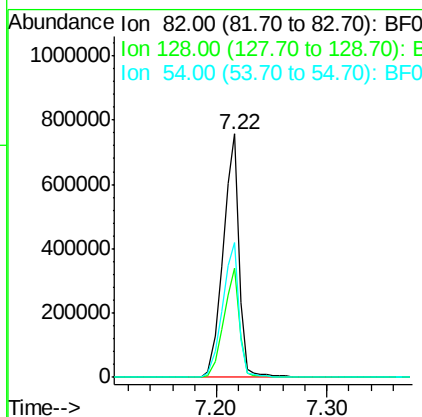
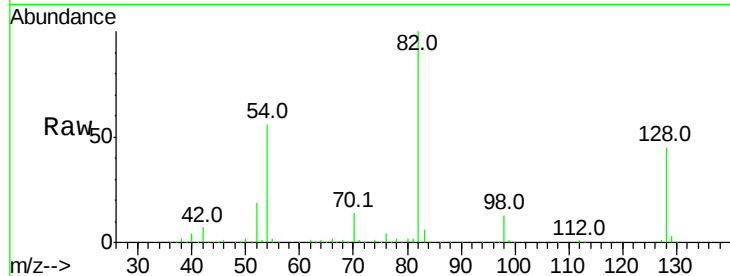




#23
Nitrobenzene-d5
Concen: 68.204 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098586.D
Acq: 15 Sep 2017 23:22

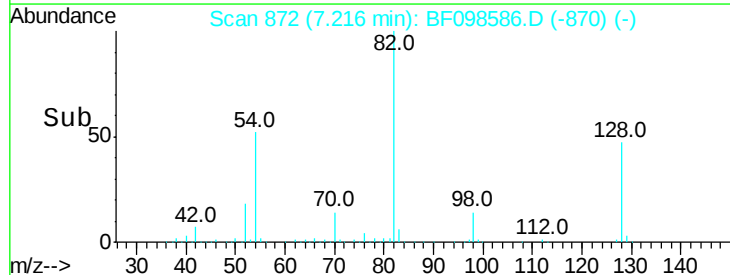
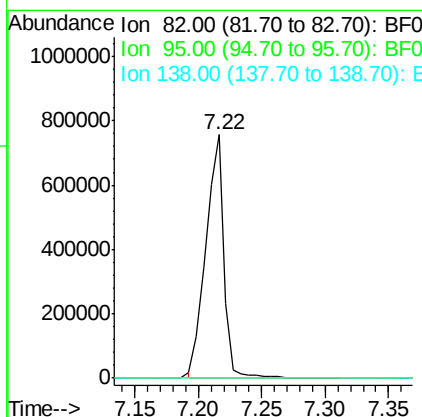
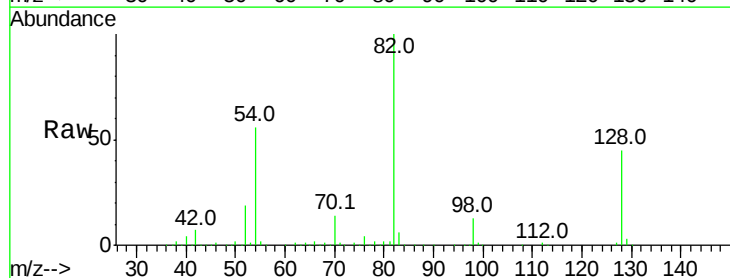
Instrument :
BNA_F
ClientSampleId :
B-16(0-10)COMP

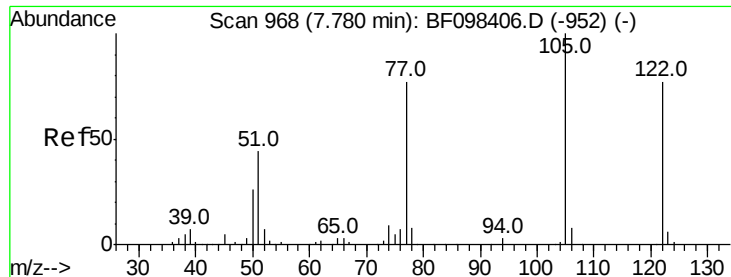
Tot Ion: 82 Resp: 764094
Ion Ratio Lower Upper
82 100
128 44.9 34.0 51.0
54 55.6 42.2 63.2



#25
Isophorone
Concen: 33.100 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.29 min
Lab File: BF098586.D
Acq: 15 Sep 2017 23:22

Tgt Ion: 82 Resp: 750273
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 7.985 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Instrument :

BNA_F

ClientSampleId :

B-16(0-10)COMP

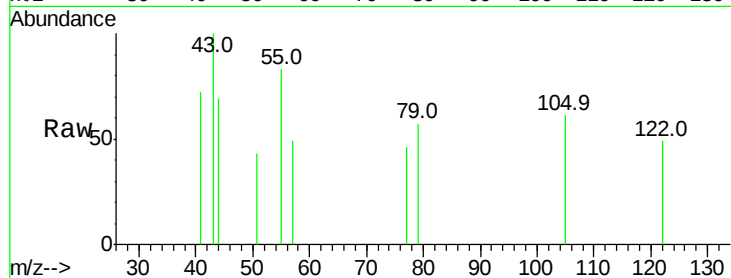
Tot Ion:122 Resp: 121

Ion Ratio Lower Upper

122 100

105 125.1 103.3 143.3

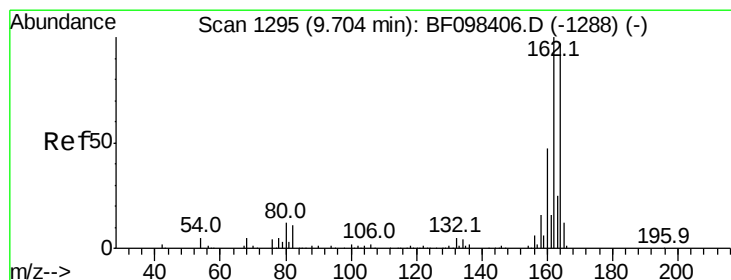
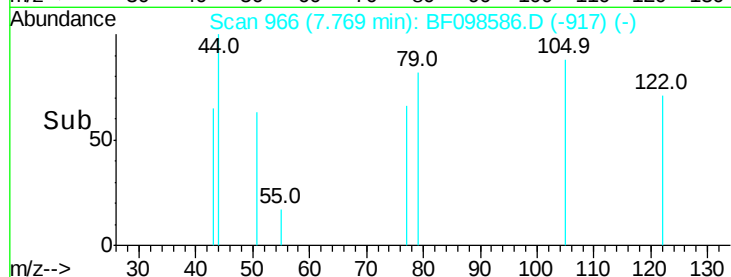
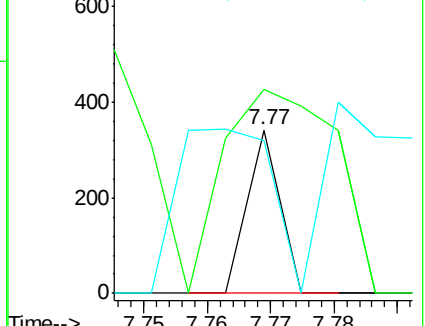
77 93.3 73.7 113.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

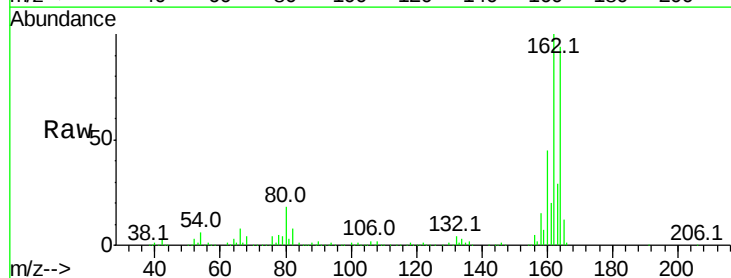
Tgt Ion:164 Resp: 263140

Ion Ratio Lower Upper

164 100

162 106.7 82.6 123.8

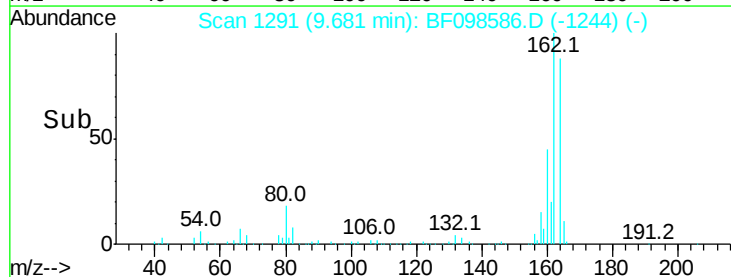
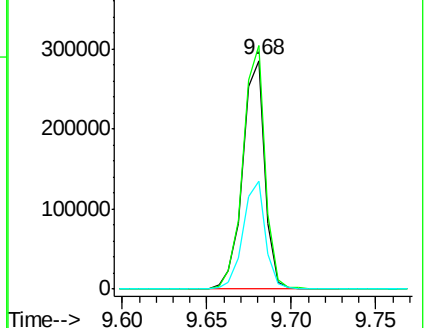
160 47.6 36.2 54.2

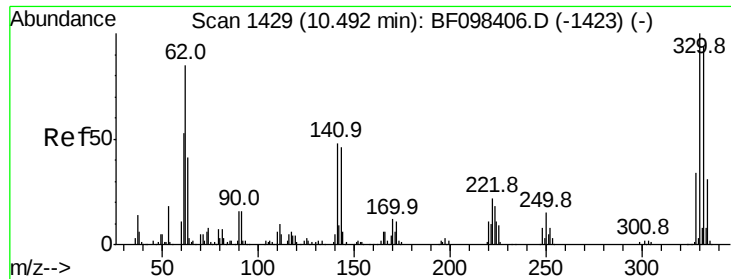


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

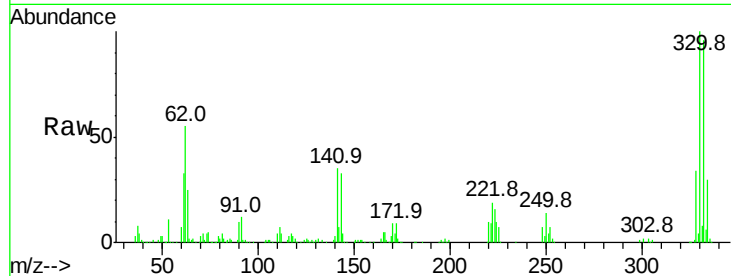




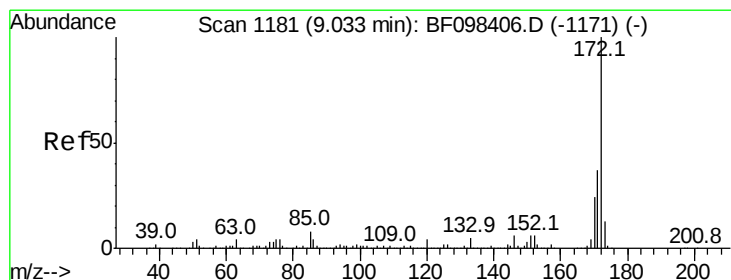
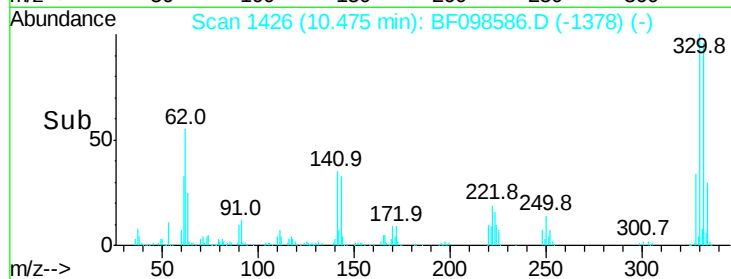
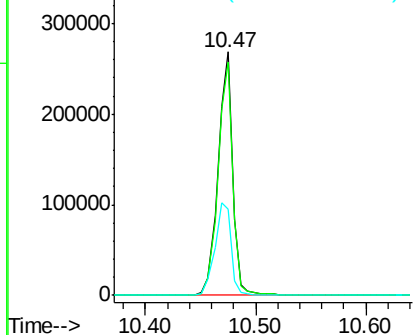
#41
 2,4,6-Tribromophenol
 Concen: 140.524 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098586.D
 Acq: 15 Sep 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :
 B-16(0-10)COMP

Tot Ion:330 Resp: 246795
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 42.2 31.4 47.2

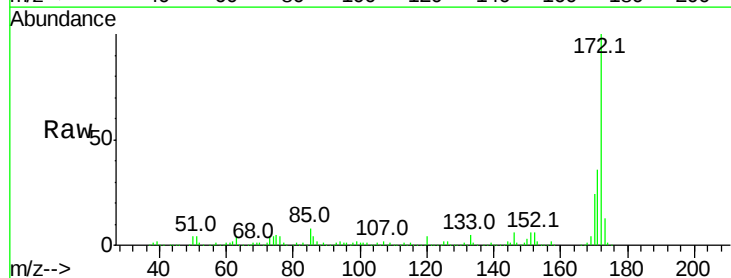


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

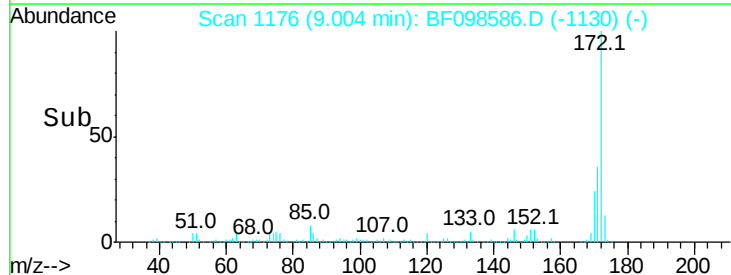
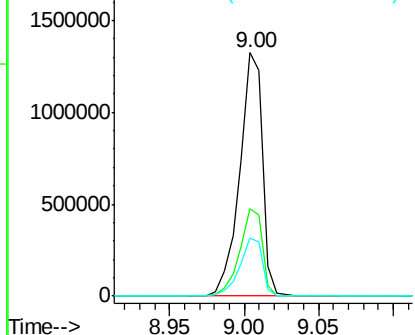


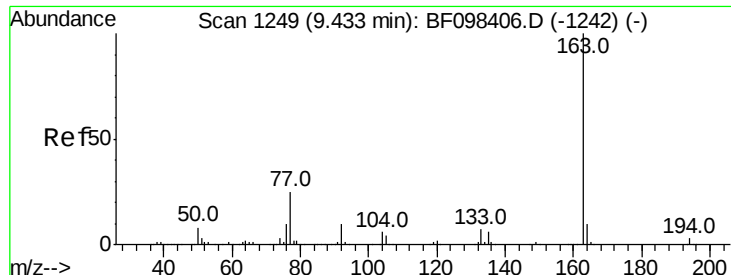
#44
 2-Fluorobiphenyl
 Concen: 90.474 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BF098586.D
 Acq: 15 Sep 2017 23:22

Tgt Ion:172 Resp: 1404638
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.9 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





#49

Dimethylphthalate

Concen: 7.886 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Instrument :

BNA_F

ClientSampleId :

B-16(0-10)COMP

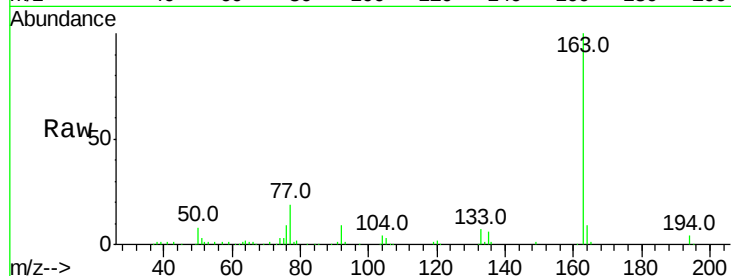
Tot Ion:163 Resp: 160623

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

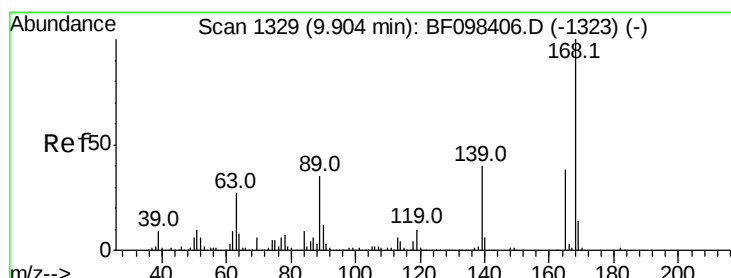
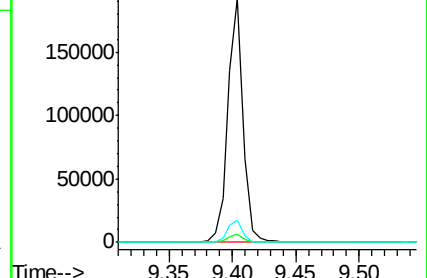
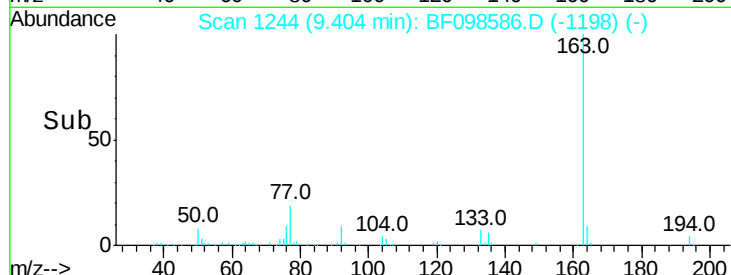
164 9.0 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.697 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.22 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Tgt Ion:165 Resp: 34064

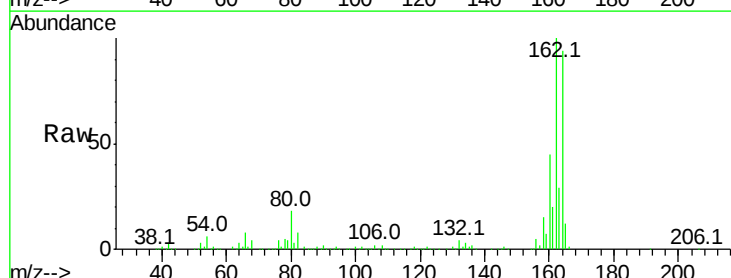
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

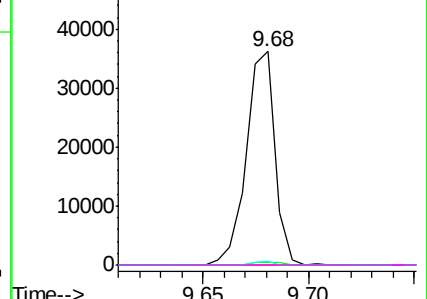
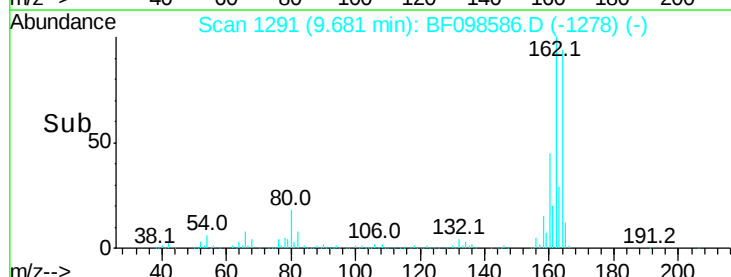


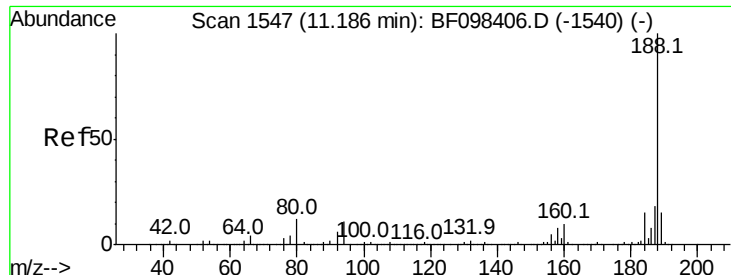
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

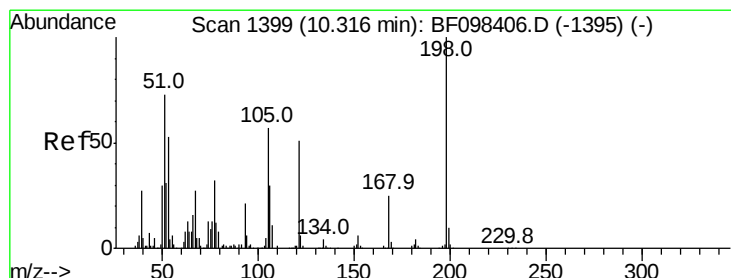
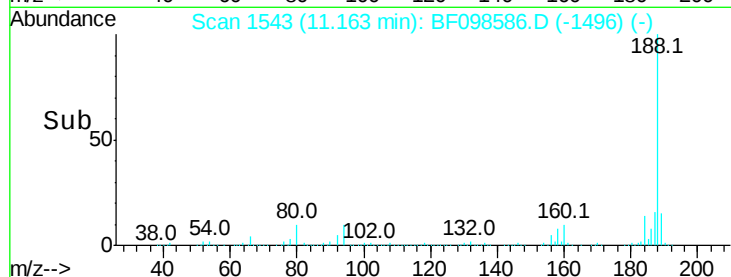
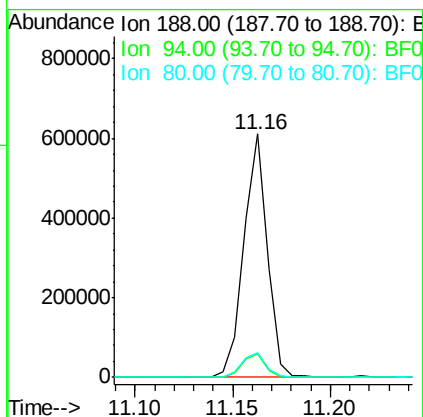
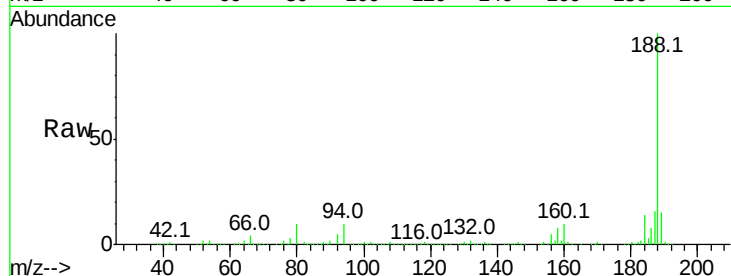




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098586.D
 Acq: 15 Sep 2017 23:22

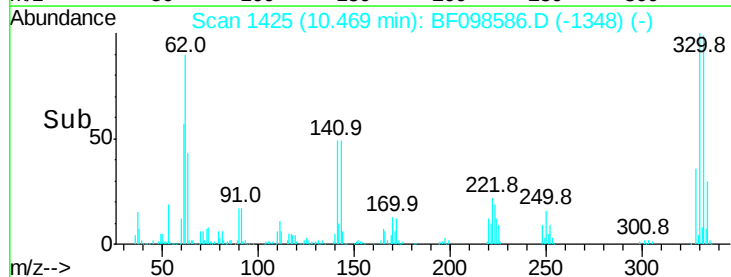
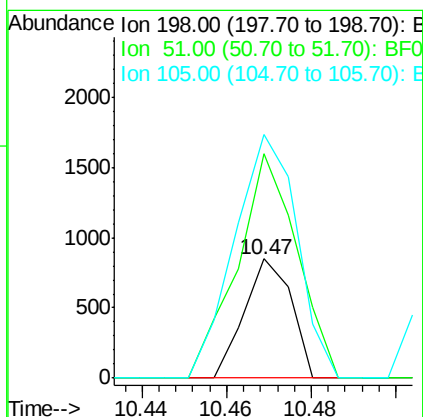
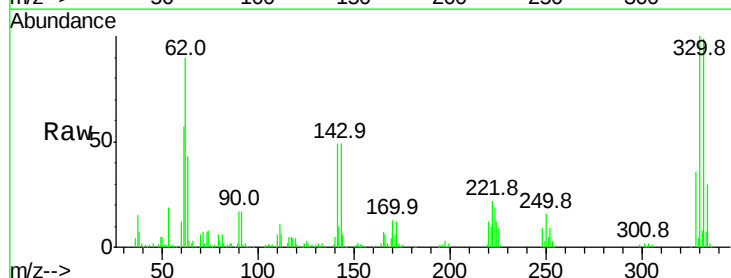
Instrument :
 BNA_F
 ClientSampleId :
 B-16(0-10)COMP

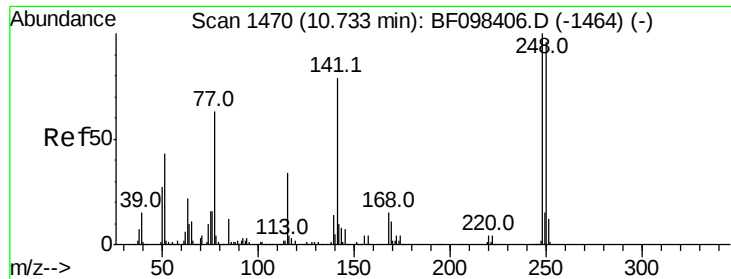
Tot Ion:188 Resp: 509172
 Ion Ratio Lower Upper
 188 100
 94 9.8 9.4 14.2
 80 10.3 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.153 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.15 min
 Lab File: BF098586.D
 Acq: 15 Sep 2017 23:22

Tgt Ion:198 Resp: 656
 Ion Ratio Lower Upper
 198 100
 51 188.3 53.2 93.2#
 105 204.7 45.8 85.8#

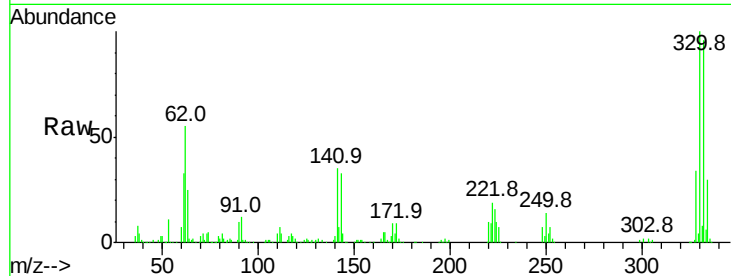




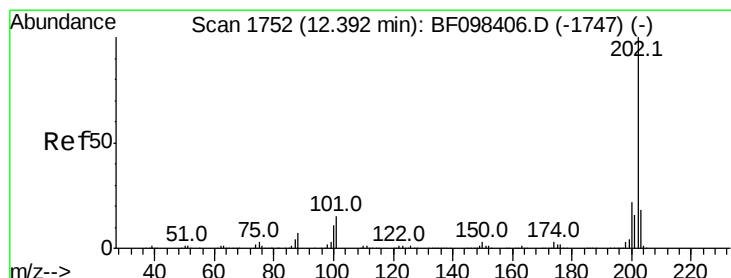
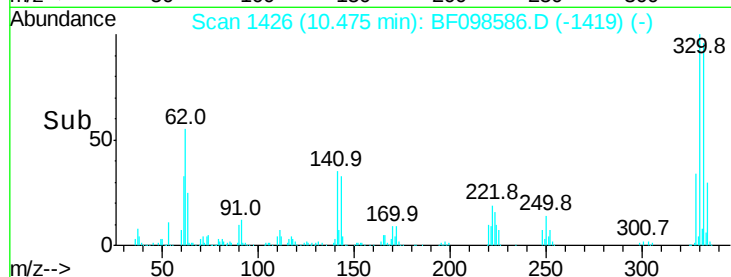
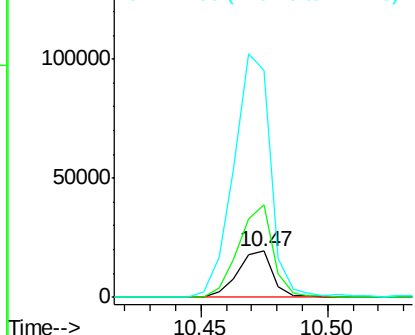
#66
4-Bromophenyl-phenylether
Concen: 3.855 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.26 min
Lab File: BF098586.D
Acq: 15 Sep 2017 23:22

Instrument :
BNA_F
ClientSampleId :
B-16(0-10)COMP

Tot Ion:248 Resp: 18631
Ion Ratio Lower Upper
248 100
250 200.4 76.8 115.2#
141 492.8 68.6 103.0#

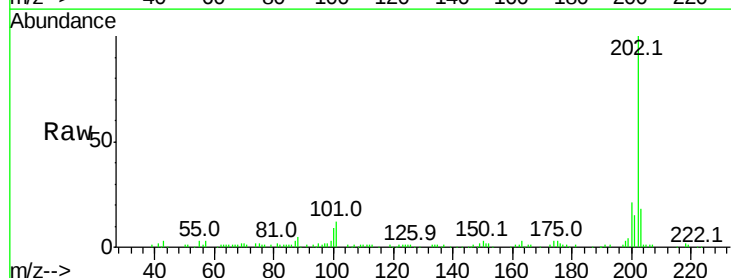


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

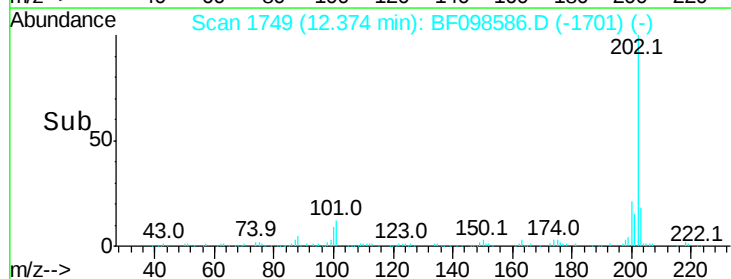
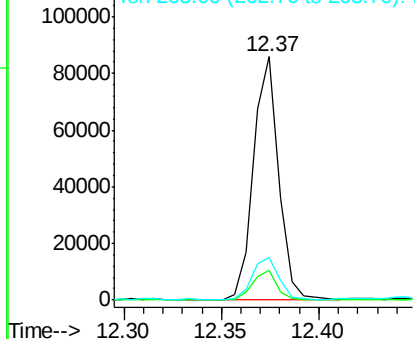


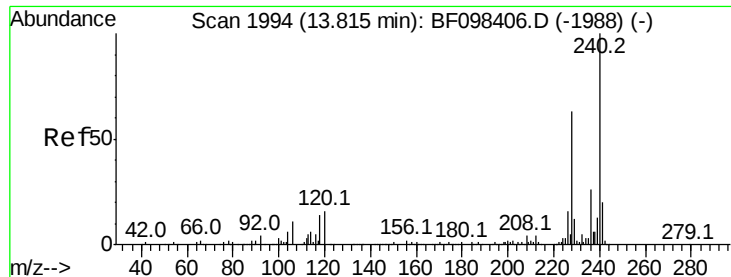
#74
Fluoranthene
Concen: 2.849 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF098586.D
Acq: 15 Sep 2017 23:22

Tgt Ion:202 Resp: 76977
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.2
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Instrument :

BNA_F

ClientSampleId :

B-16(0-10)COMP

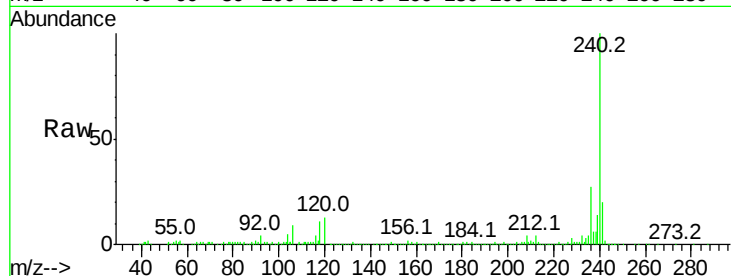
Tot Ion:240 Resp: 310654

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

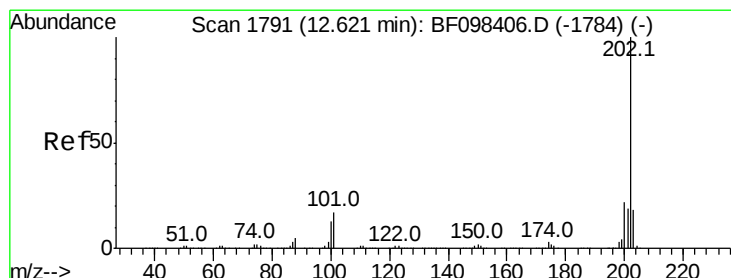
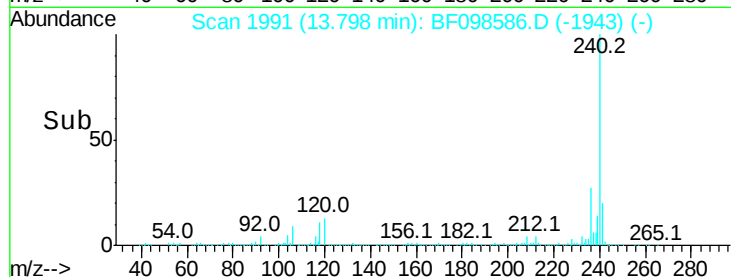
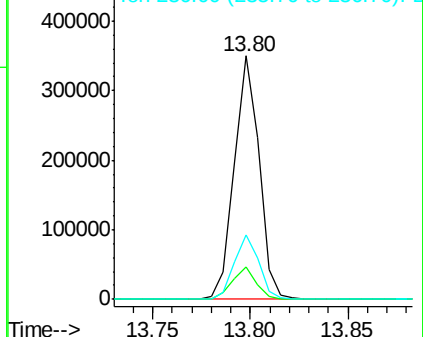
236 26.5 20.5 30.7



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



#77

Pyrene

Concen: 2.827 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

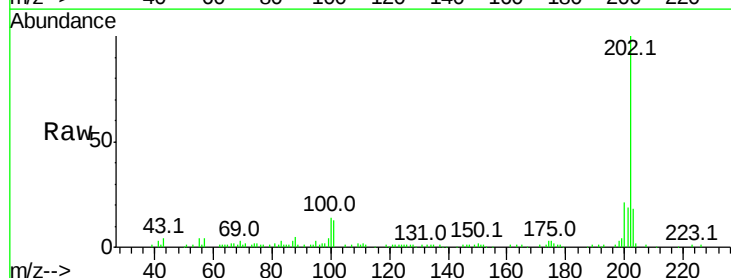
Tgt Ion:202 Resp: 69290

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

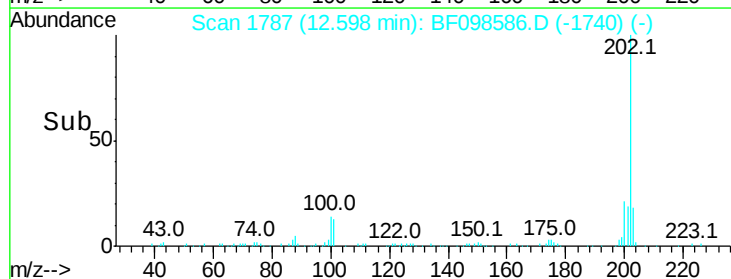
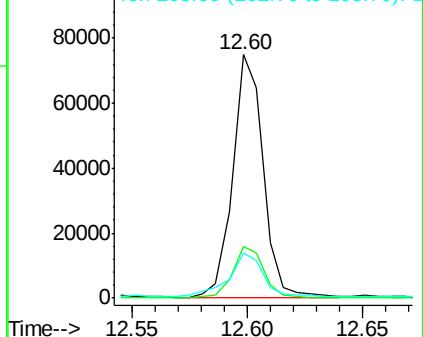
203 18.5 14.4 21.6

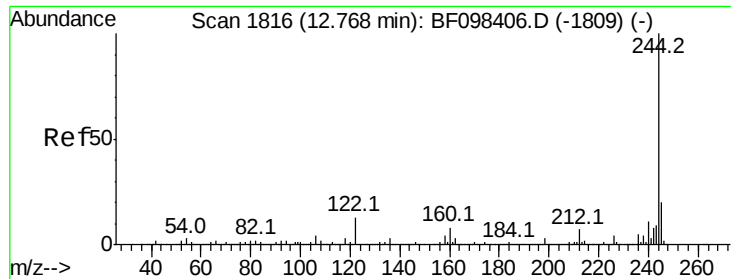


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.271 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Instrument :

BNA_F

ClientSampleId :

B-16(0-10)COMP

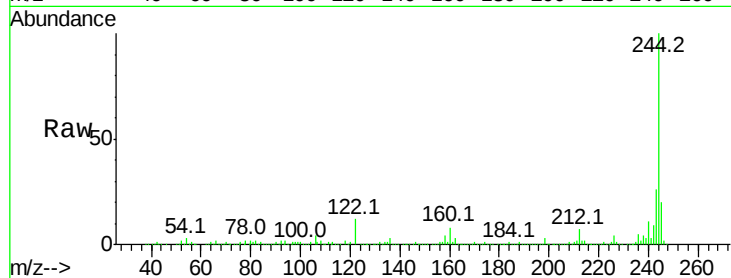
Tot Ion:244 Resp: 1011374

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

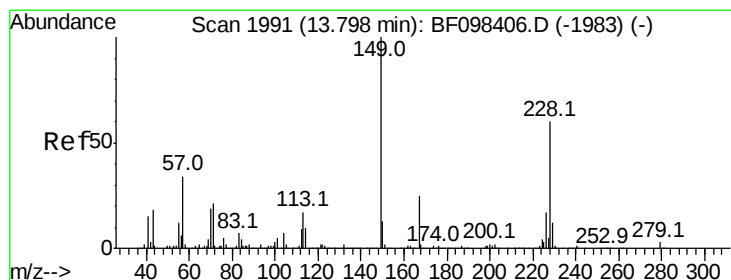
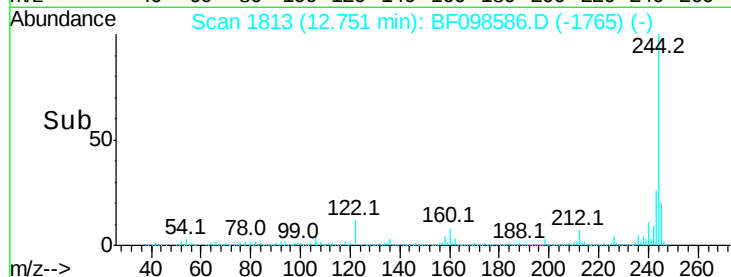
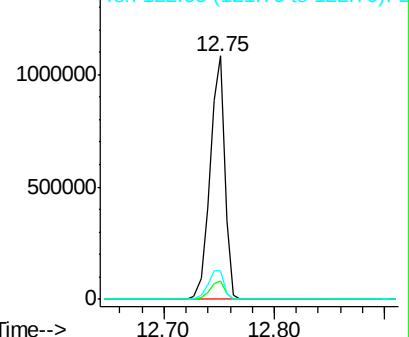
122 11.9 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.532 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

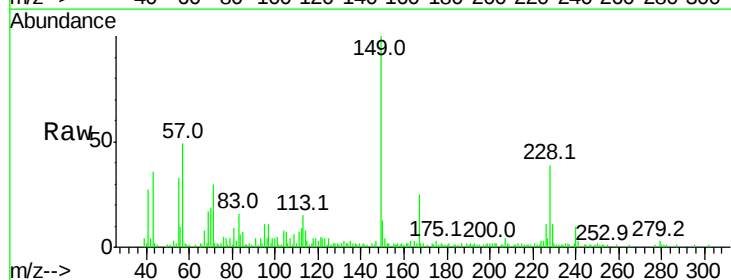
Tgt Ion:149 Resp: 33779

Ion Ratio Lower Upper

149 100

167 25.3 21.0 31.4

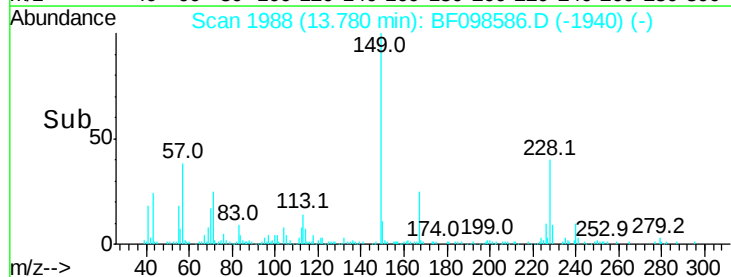
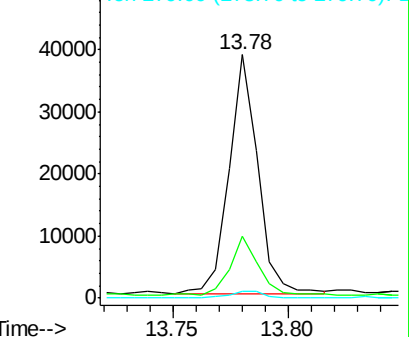
279 2.7 1.9 2.9

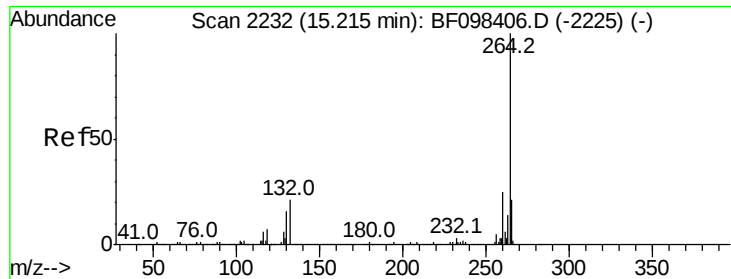


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

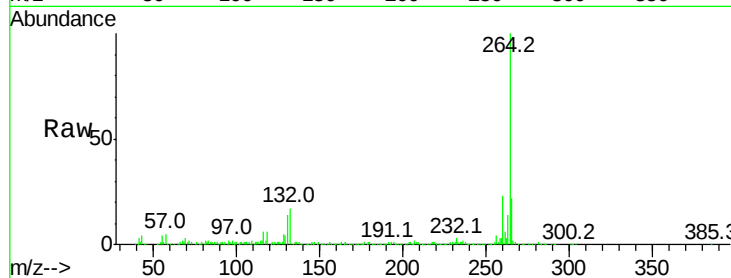




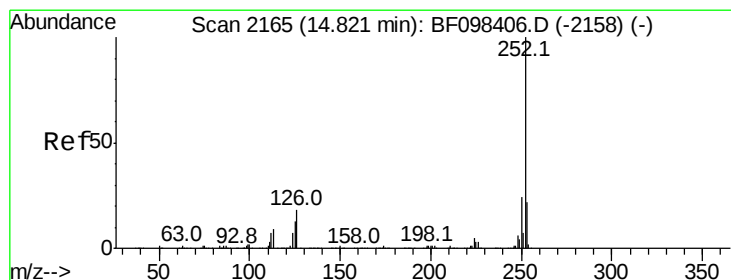
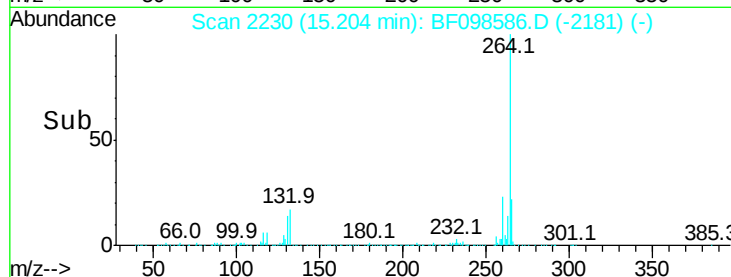
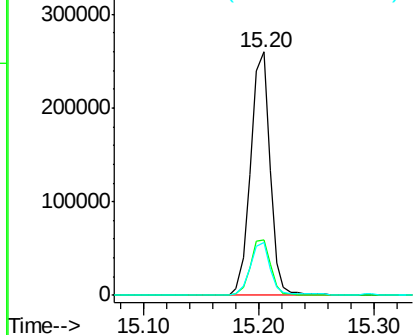
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098586.D
Acq: 15 Sep 2017 23:22

Instrument :
BNA_F
ClientSampleId :
B-16(0-10)COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.8	17.2	25.8

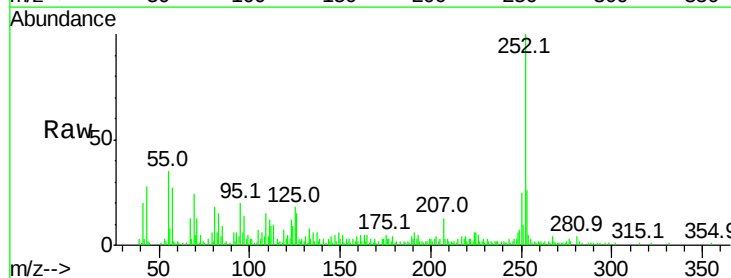


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

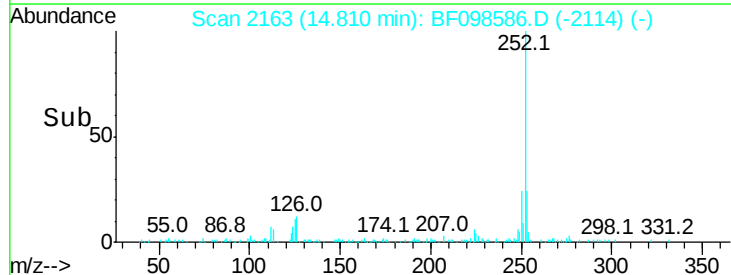
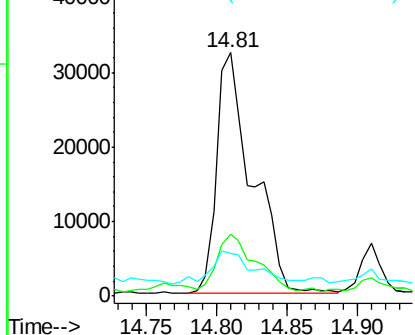


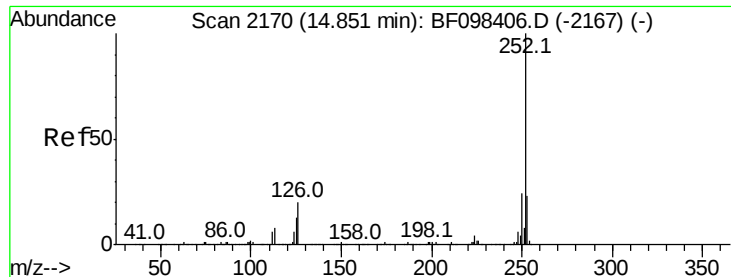
#87
Benzo(b)fluoranthene
Concen: 2.955 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098586.D
Acq: 15 Sep 2017 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	17.7	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: 3.165 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.04 min

Lab File: BF098586.D

Acq: 15 Sep 2017 23:22

Instrument :

BNA_F

ClientSampleId :

B-16(0-10)COMP

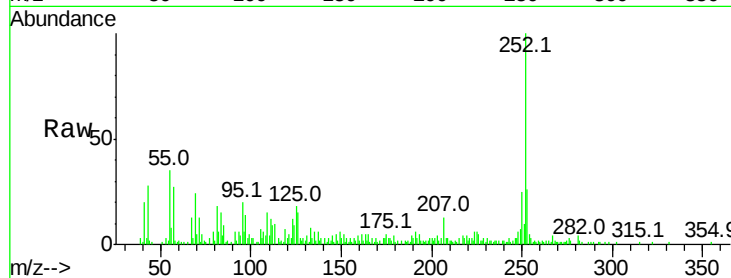
Tot Ion:252 Resp: 56951

Ion Ratio Lower Upper

252 100

253 25.6 18.4 27.6

125 17.7 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

