

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
 Data File : BF099870.D
 Acq On : 26 Oct 2017 19:48
 Operator : SJ/JU
 Sample : I6078-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 20:27:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 16:31:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	60538	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	249625	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	117047	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	188155	20.00	ng	0.01
75) Chrysene-d12	14.02	240	114290	20.00	ng	0.04
86) Perylene-d12	15.52	264	138412	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	329002	85.32	ng	0.00
7) Phenol-d6	6.44	99	423855	92.70	ng	0.00
23) Nitrobenzene-d5	7.36	82	230690	59.50	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	90716	85.05	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	474480	62.54	ng	0.00
78) Terphenyl-d14	12.93	244	395744	75.67	ng	0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.57	77	6165	2.256	ng	89
10) Phenol	6.46	94	16781	3.343	ng	# 71
19) n-Nitroso-di-n-propylamine	7.36	70	31860	11.891	ng	# 73
25) Isophorone	7.36	82	230690	32.788	ng	# 64
31) Naphthalene	8.10	128	48211	4.001	ng	99
35) Caprolactam	8.49	113	2292	2.128	ng	# 67
37) 2-Methylnaphthalene	8.80	142	604963	74.918	ng	97
45) 1,1'-Biphenyl	9.26	154	203793	19.246	ng	96
49) Dimethylphthalate	9.56	163	25758	2.779	ng	# 98
51) Acenaphthene	9.88	154	728448	100.658	ng	99
53) 2,4-Dinitrophenol	10.13	184	400	6.244	ng	# 57
54) Dibenzofuran	10.05	168	883827	86.520	ng	98
55) 4-Nitrophenol	10.05	139	313679	261.472	ng	# 10
57) Fluorene	10.40	166	1003022	118.588	ng	99
62) Azobenzene	10.56	77	30137	3.972	ng	# 1
65) n-Nitrosodiphenylamine	10.53	169	16333	2.352	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	6405	3.234	ng	# 1
70) Phenanthrene	11.40	178	4240486	399.349	ng	99
71) Anthracene	11.44	178	1565814	145.274	ng	100
72) Carbazole	11.58	167	495725	48.908	ng	99
74) Fluoranthene	12.60	202	4501099	407.891	ng	98
77) Pyrene	12.83	202	3486591	401.194	ng	98
80) Benzo(a)anthracene	14.01	228	1677536	231.537	ng	96
82) Chrysene	14.06	228	1470929	215.949	ng	97
83) Bis(2-ethylhexyl)phthalate	13.97	149	335696	55.859	ng	98
84) Di-n-octyl phthalate	14.59	149	37705	3.655	ng	# 74
85) Indeno(1,2,3-cd)pyrene	17.04	276	836915	133.841	ng	94
87) Benzo(b)fluoranthene	15.09	252	2589900	296.325	ng	# 95
88) Benzo(k)fluoranthene	15.09	252	2589900	314.248	ng	97
89) Benzo(a)pyrene	15.47	252	1276530	162.594	ng	# 95
90) Dibenzo(a,h)anthracene	17.03	278	171948	24.648	ng	# 87
91) Benzo(a,h,i)perylene	17.50	276	746597	109.389	ng	93

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QLast Update : Thu Oct 26 16:31:52 2017
Response via : Initial Calibration

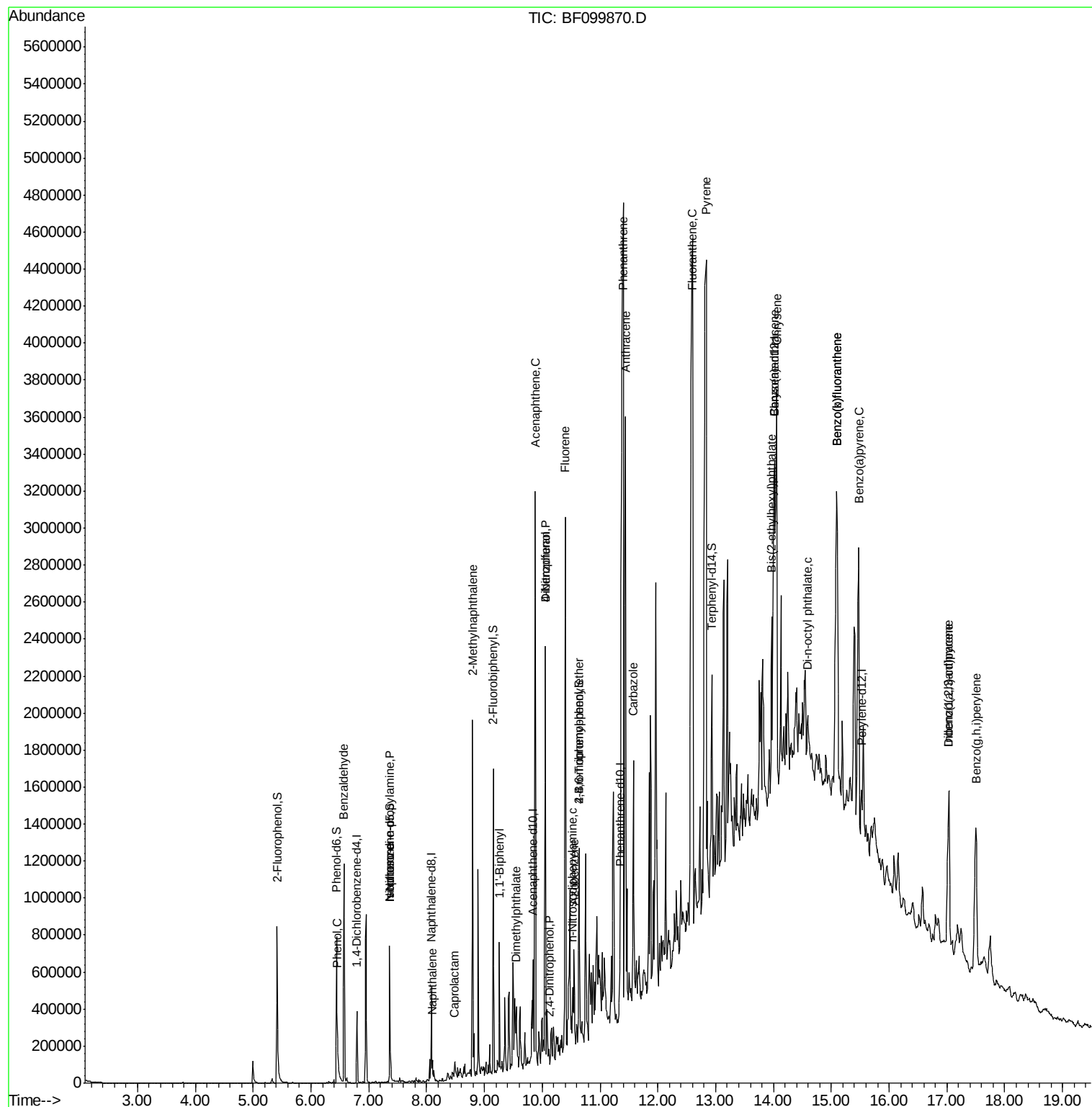
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

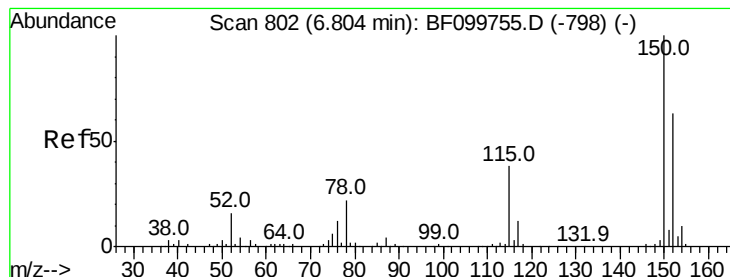
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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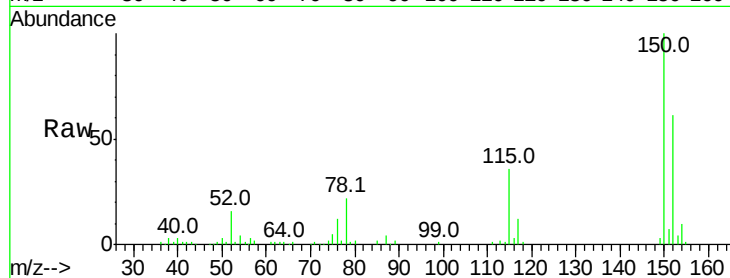


#1

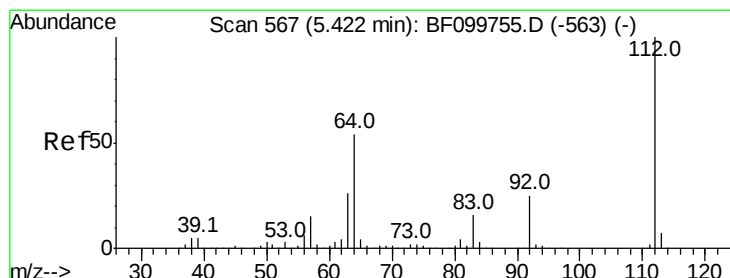
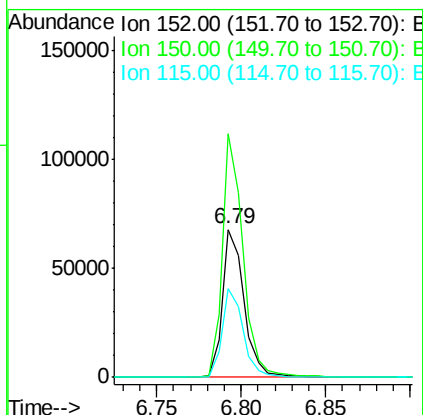
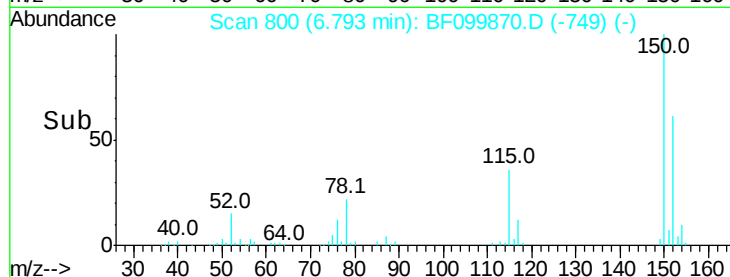
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 60538
Ion Ratio Lower Upper
152 100
150 164.5 124.6 186.8
115 59.9 50.1 75.1



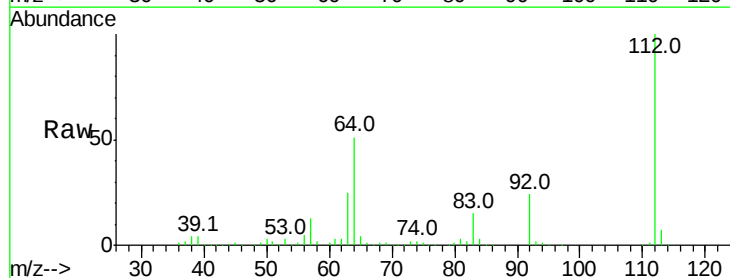
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



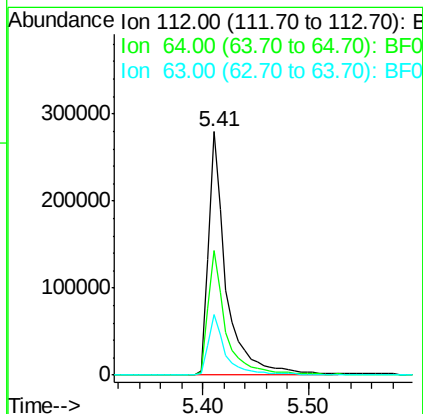
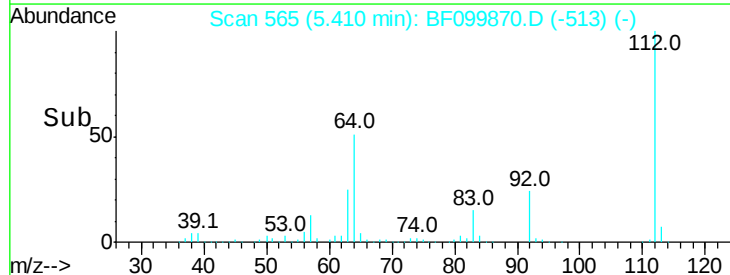
#5

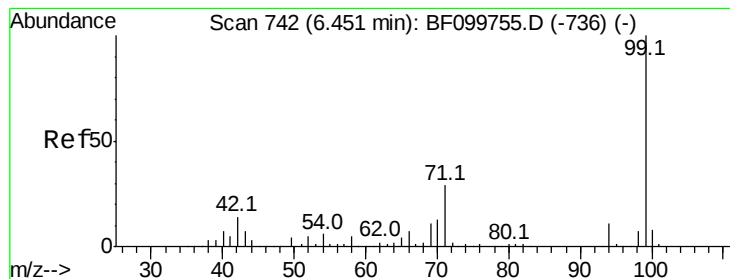
2-Fluorophenol
Concen: 85.322 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Tgt Ion:112 Resp: 329002
Ion Ratio Lower Upper
112 100
64 51.0 47.9 71.9
63 25.0 23.7 35.5



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: 92.704 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampleId :

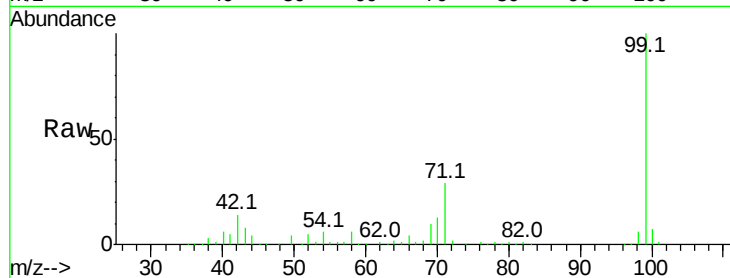
Tot Ion: 99 Resp: 423855

Ion Ratio Lower Upper

99 100

42 14.2 14.5 21.7#

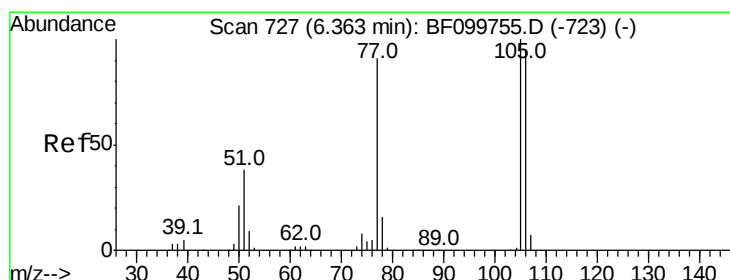
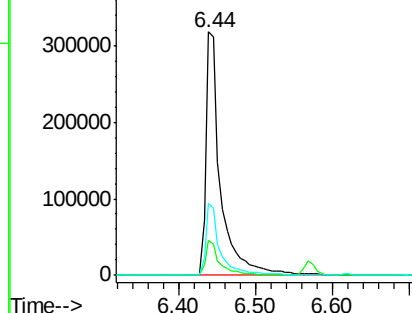
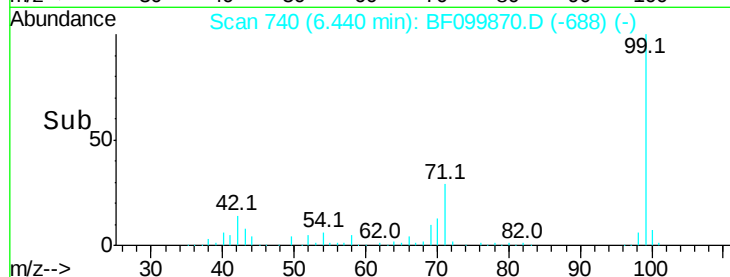
71 29.4 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.256 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.22 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

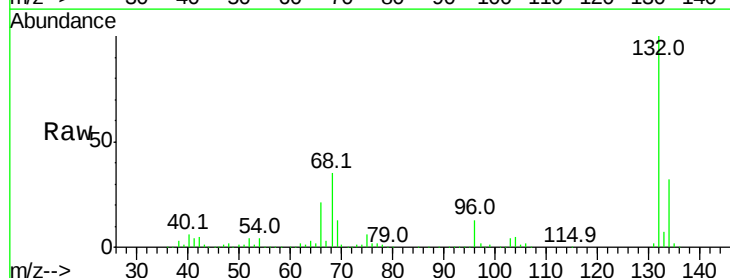
Tgt Ion: 77 Resp: 6165

Ion Ratio Lower Upper

77 100

105 83.4 81.1 121.1

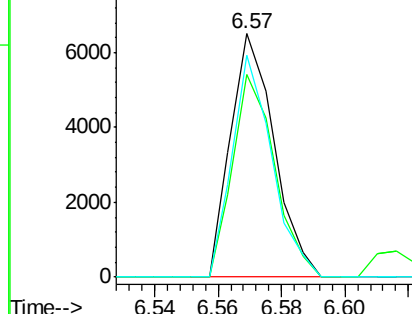
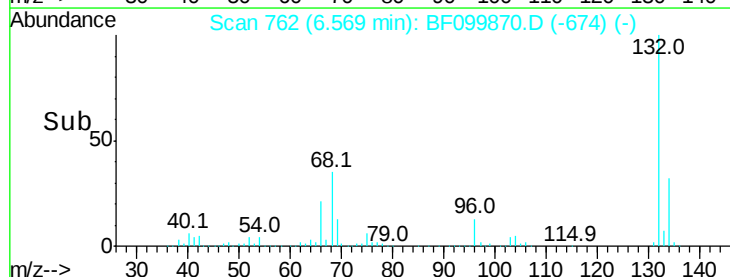
106 91.3 74.5 114.5

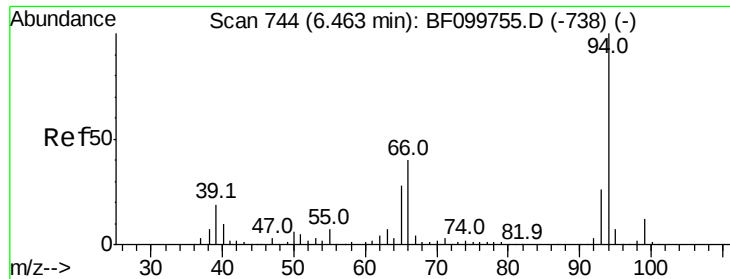


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.343 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampleId :

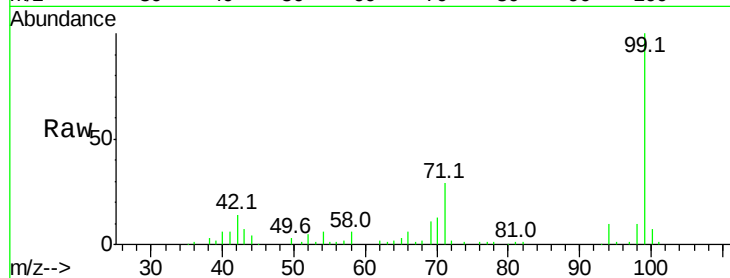
Tot Ion: 94 Resp: 16781

Ion Ratio Lower Upper

94 100

65 32.8 7.9 47.9

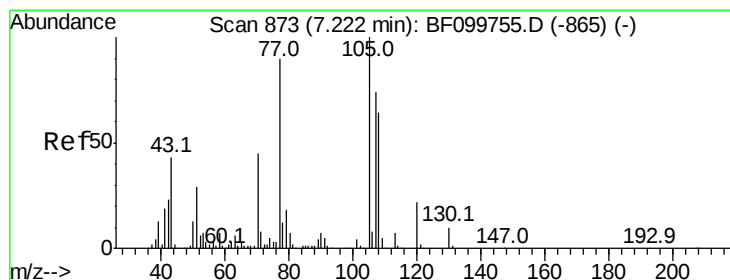
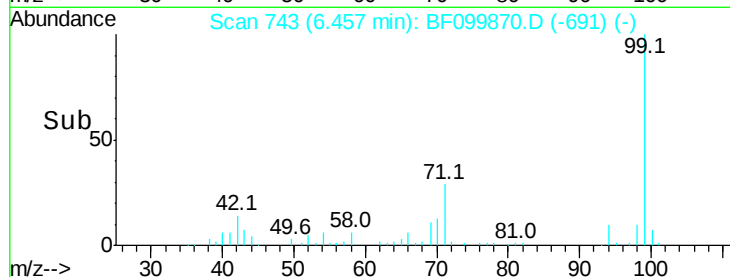
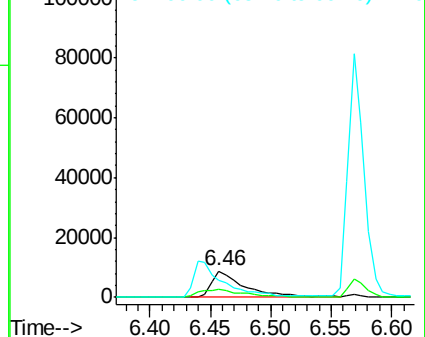
66 62.3 16.2 56.2#



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: 11.891 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Tgt Ion: 70 Resp: 31860

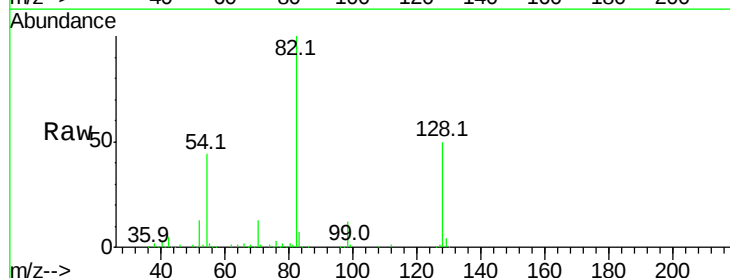
Ion Ratio Lower Upper

70 100

42 42.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

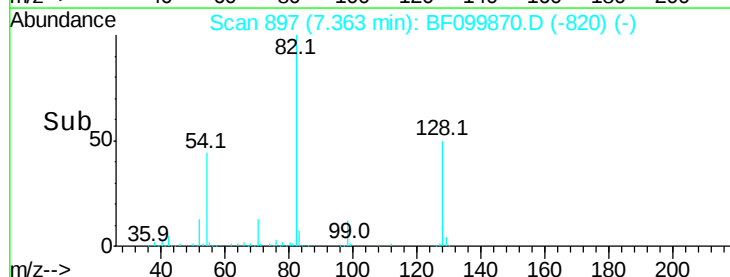
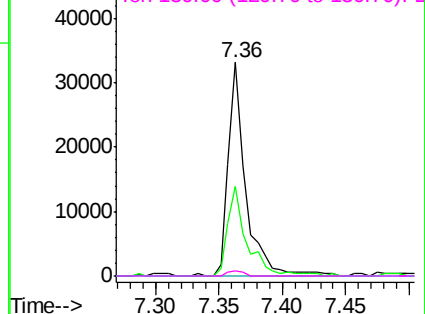


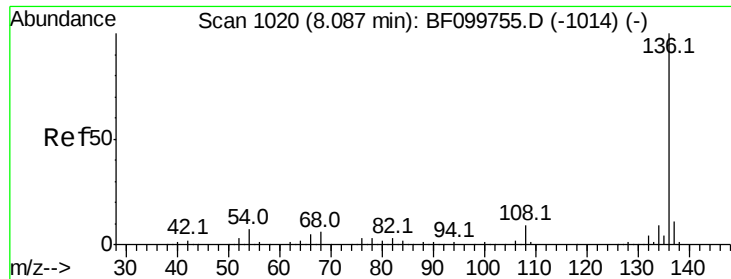
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

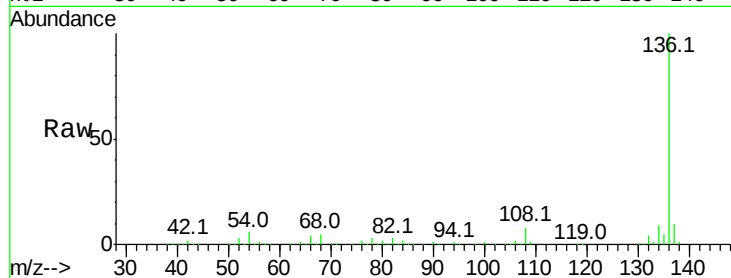




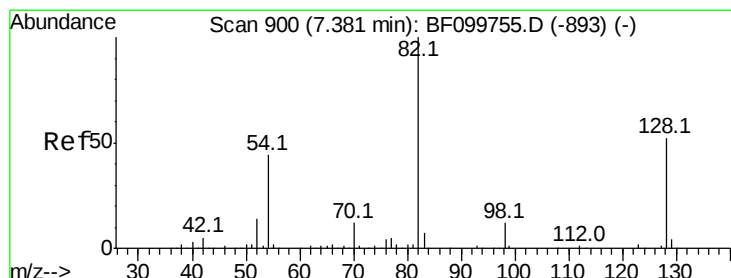
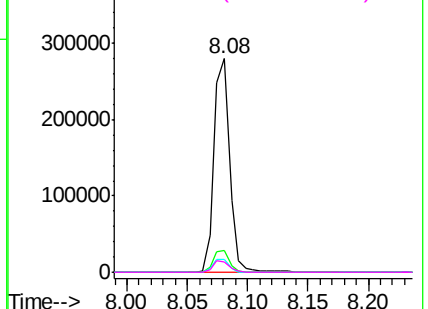
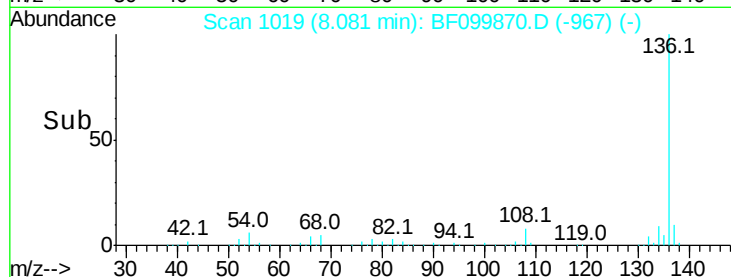
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	249625
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	5.8	6.6	9.8#
68	4.8	5.0	7.4#

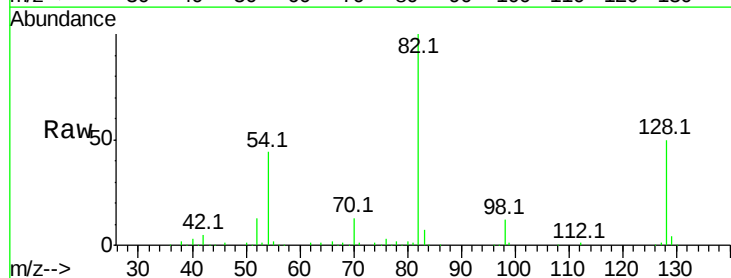


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

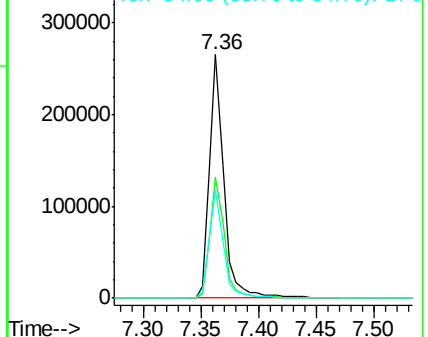
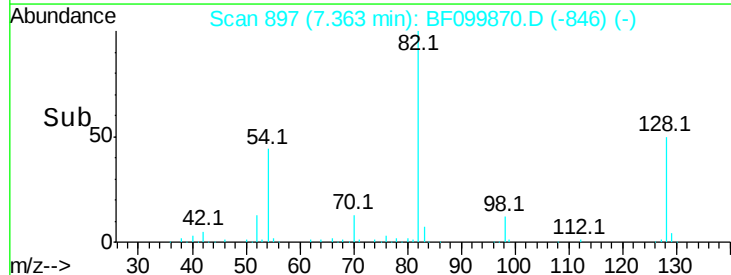


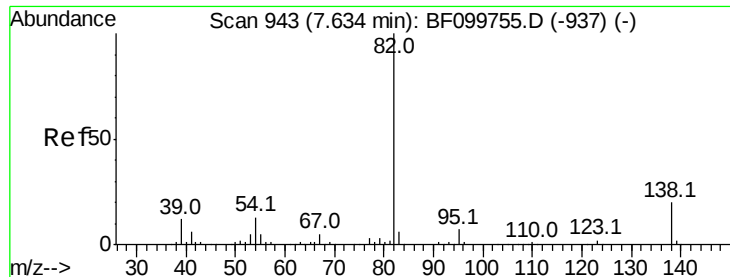
#23
Nitrobenzene-d5
Concen: 59.497 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Tgt Ion:	82	Resp:	230690
Ion	Ratio	Lower	Upper
82	100		
128	49.6	36.1	54.1
54	44.1	41.4	62.2



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





#25

Isophorone

Concen: 32.788 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampleId :

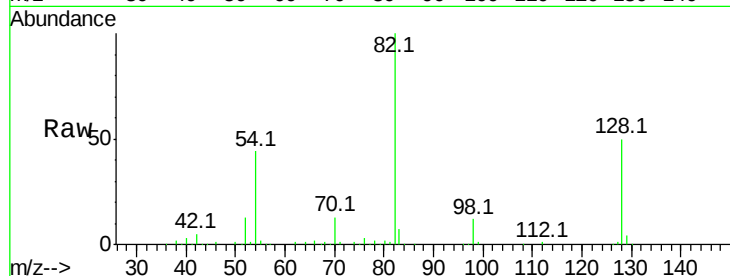
Tot Ion: 82 Resp: 230690

Ion Ratio Lower Upper

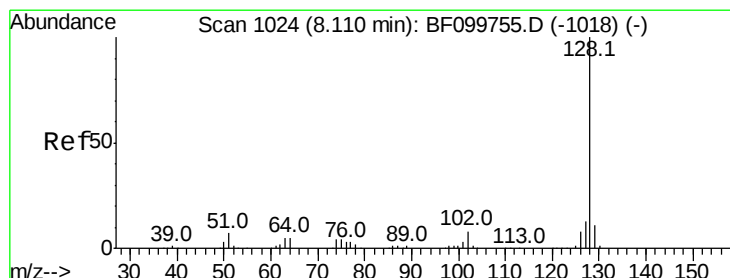
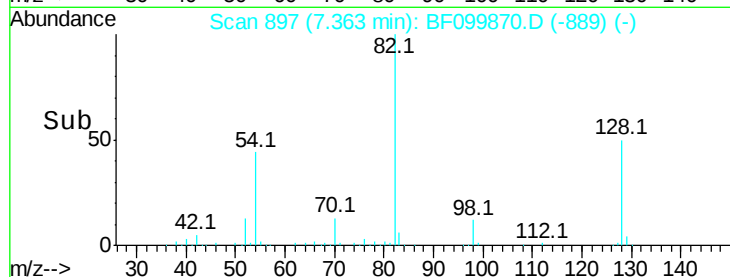
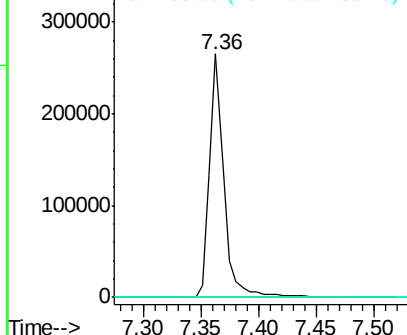
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 4.001 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

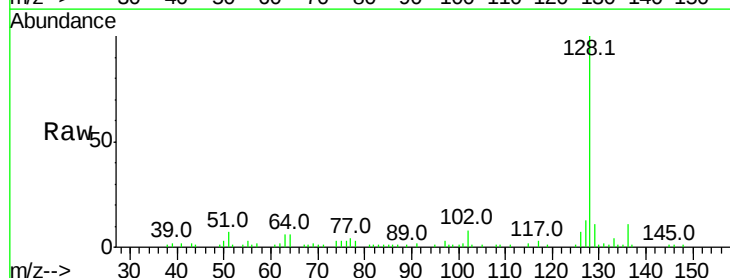
Tgt Ion: 128 Resp: 48211

Ion Ratio Lower Upper

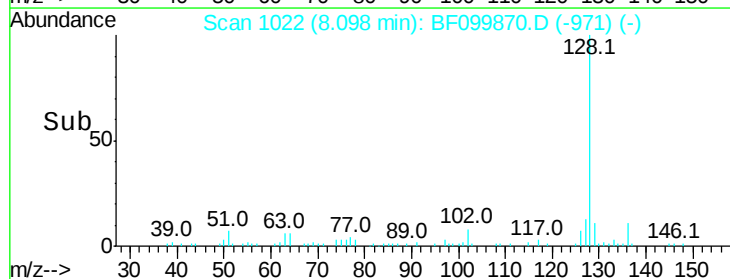
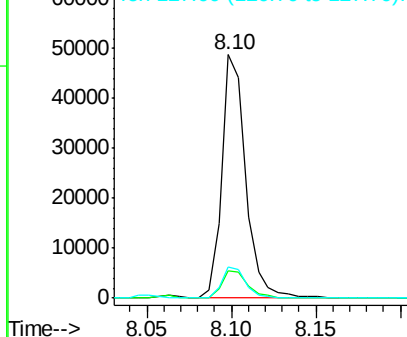
128 100

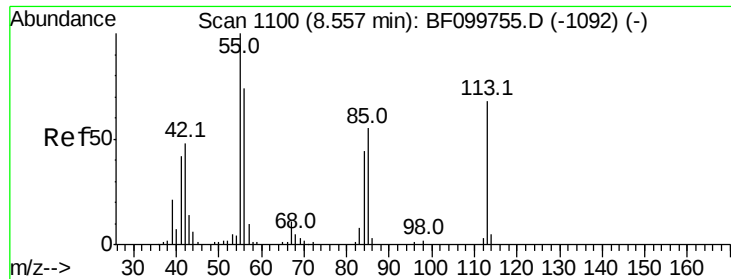
129 11.4 8.8 13.2

127 13.0 10.9 16.3



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





#35

Caprolactam

Concen: 2.128 ng

RT: 8.49 min Scan# 1089

Delta R.T. -0.05 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampled :

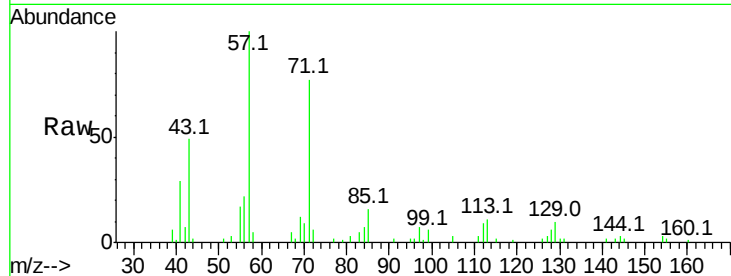
Tot Ion:113 Resp: 2292

Ion Ratio Lower Upper

113 100

55 150.3 163.3 203.3#

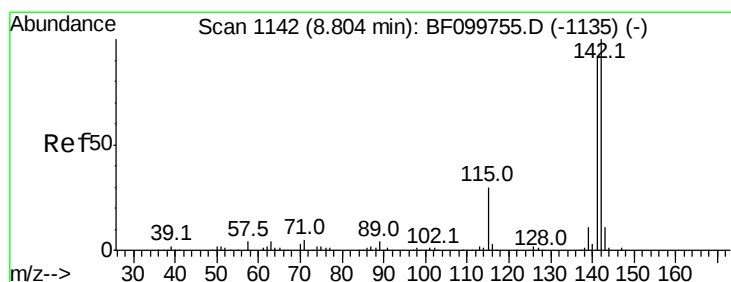
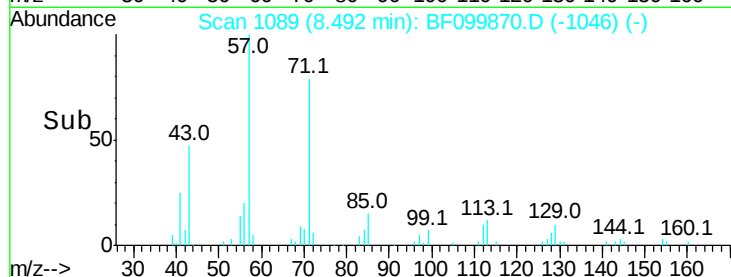
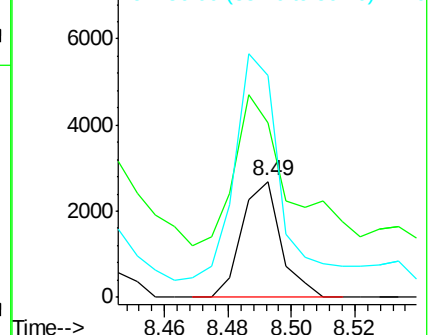
56 191.6 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 74.918 ng

RT: 8.80 min Scan# 1141

Delta R.T. 0.01 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

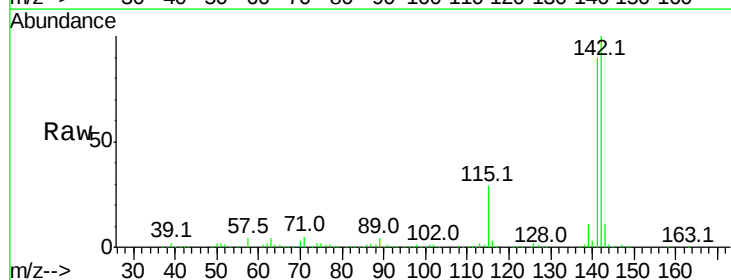
Tgt Ion:142 Resp: 604963

Ion Ratio Lower Upper

142 100

141 89.9 70.8 106.2

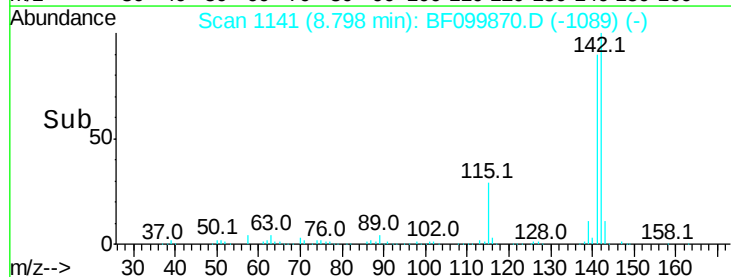
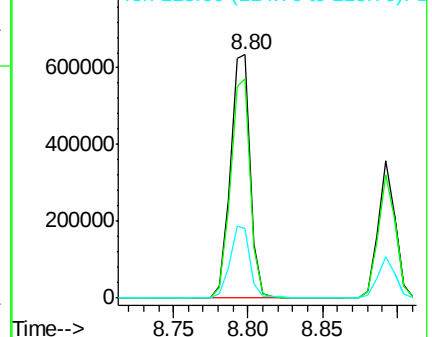
115 28.8 26.1 39.1

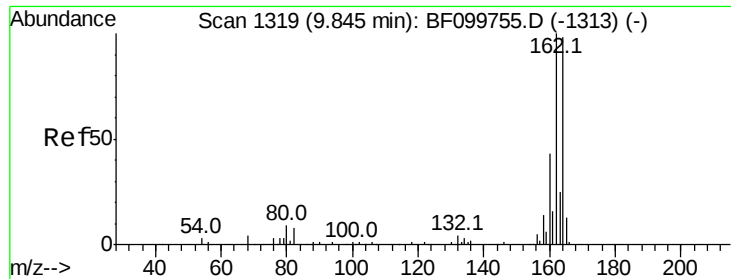


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

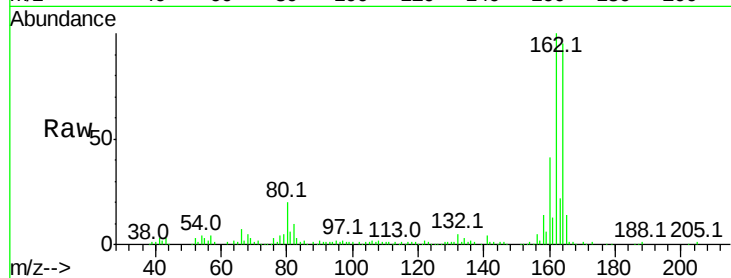




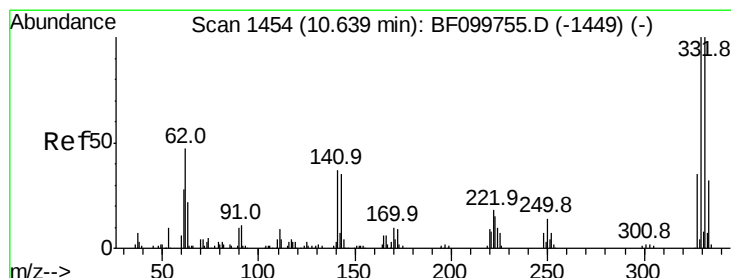
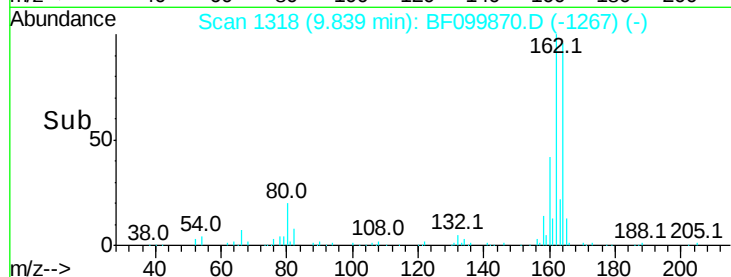
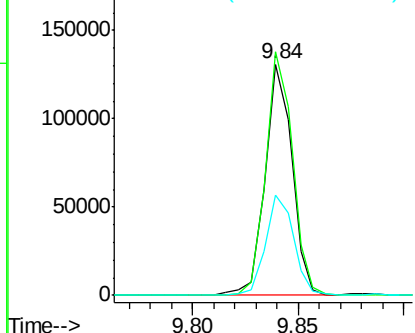
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 117047
Ion Ratio Lower Upper
164 100
162 105.2 86.1 129.1
160 43.4 38.3 57.5

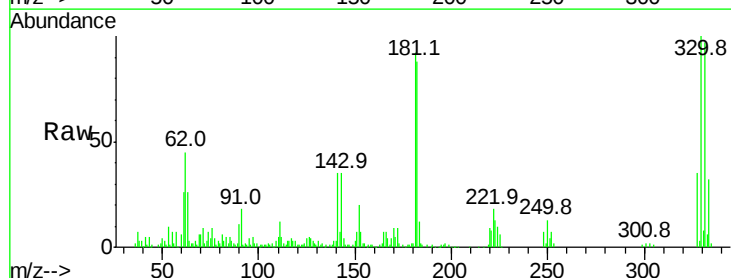


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

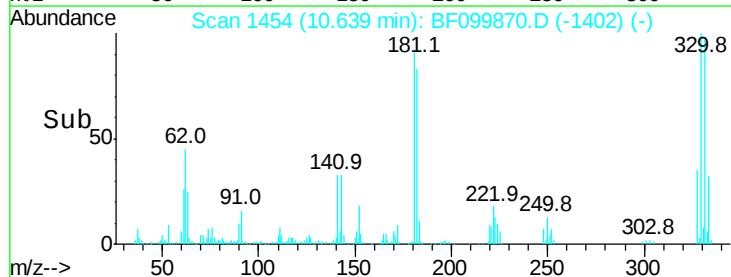
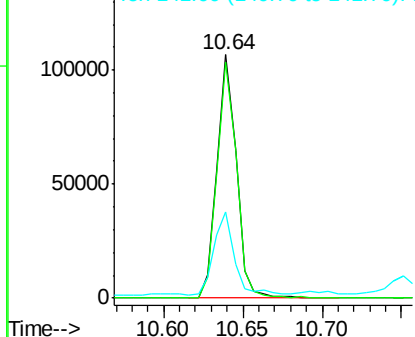


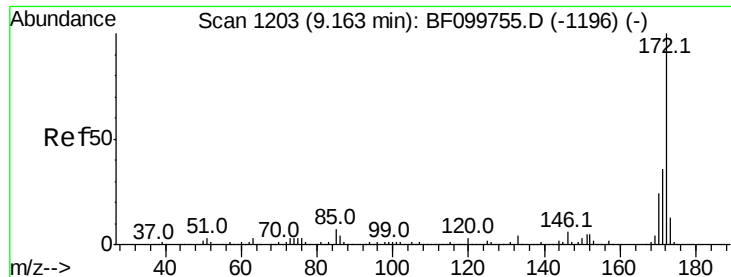
#41
2,4,6-Tribromophenol
Concen: 85.046 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Tgt Ion:330 Resp: 90716
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 35.2 29.9 44.9



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

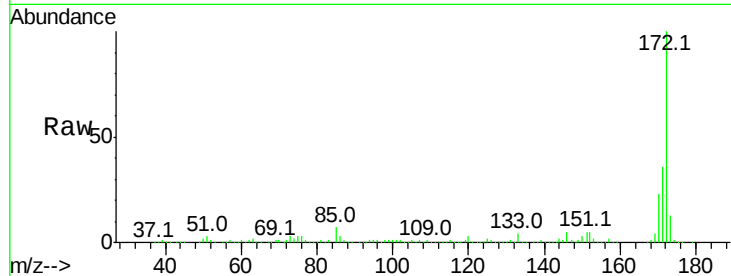




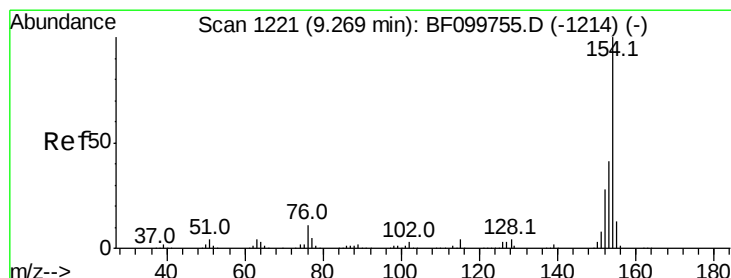
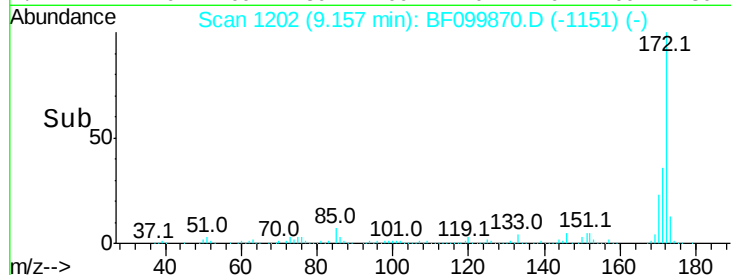
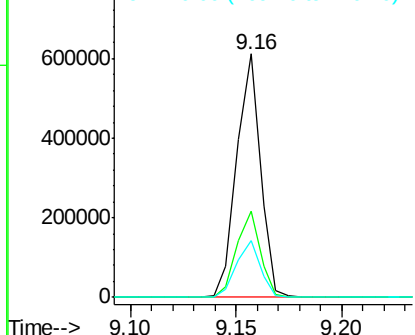
#44
2-Fluorobiphenyl
Concen: 62.543 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.1	19.6	29.4

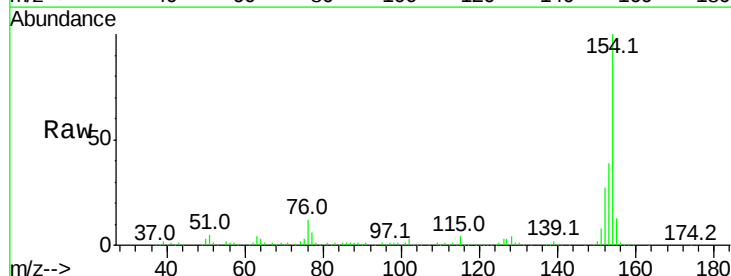


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

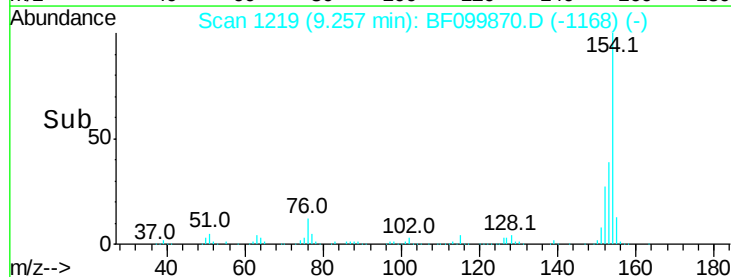
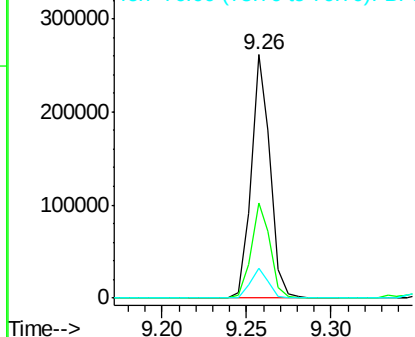


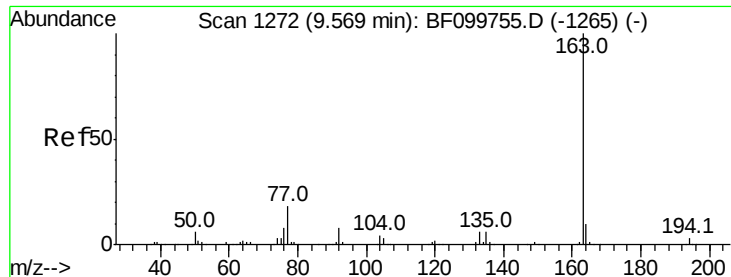
#45
1,1'-Biphenyl
Concen: 19.246 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.9	21.3	61.3
76	12.0	0.0	34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

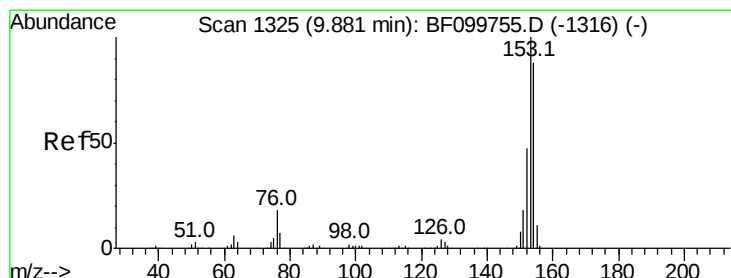
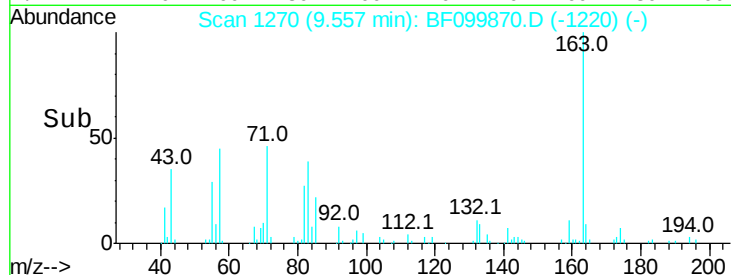
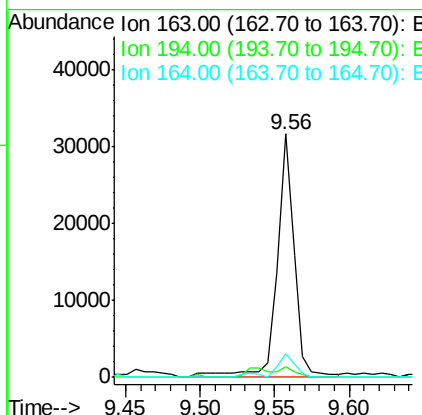
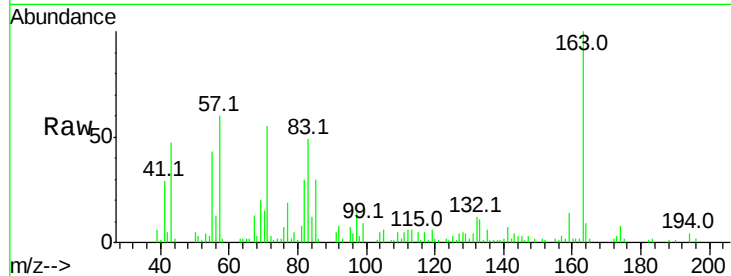




#49
Dimethylphthalate
Concen: 2.779 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

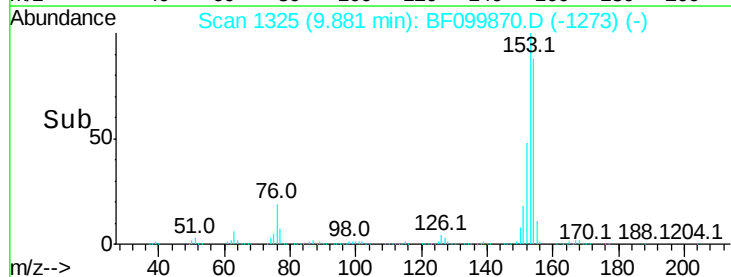
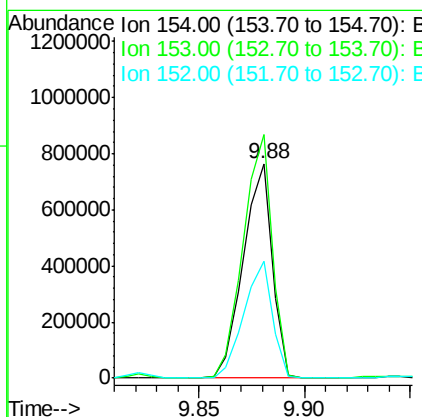
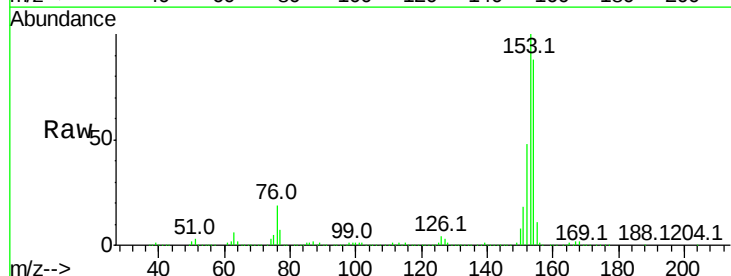
Instrument :
BNA_F
ClientSampleId :

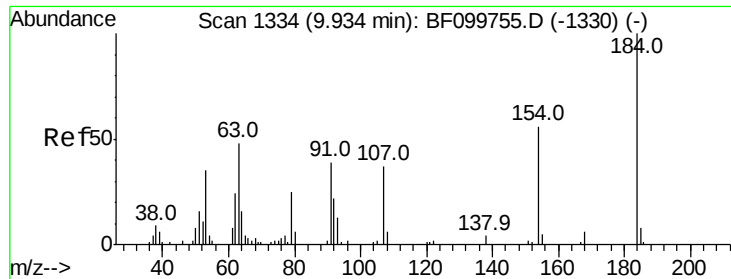
Tot Ion:163 Resp: 25758
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.4 8.2 12.2



#51
Acenaphthene
Concen: 100.658 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Tgt Ion:154 Resp: 728448
Ion Ratio Lower Upper
154 100
153 113.3 91.2 136.8
152 54.5 43.8 65.8

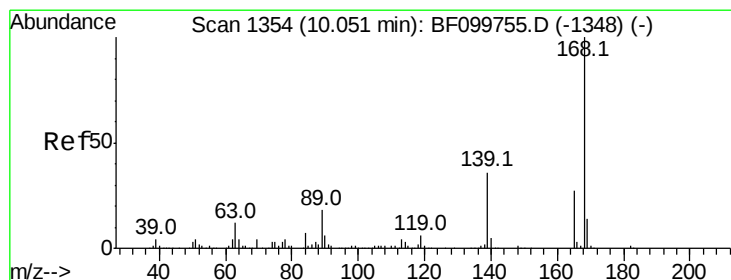
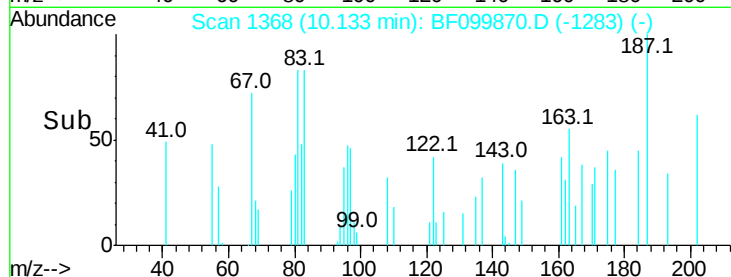
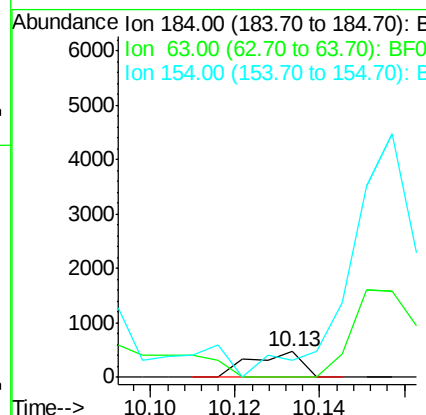
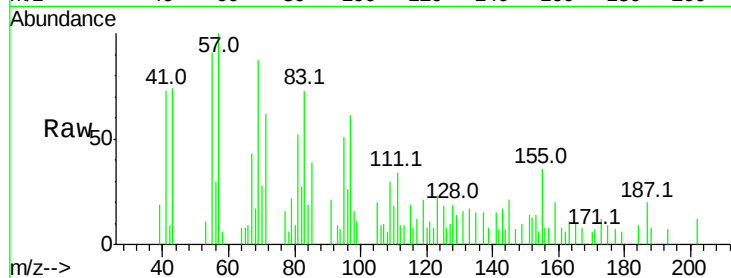




#53
2,4-Dinitrophenol
Concen: 6.244 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.20 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

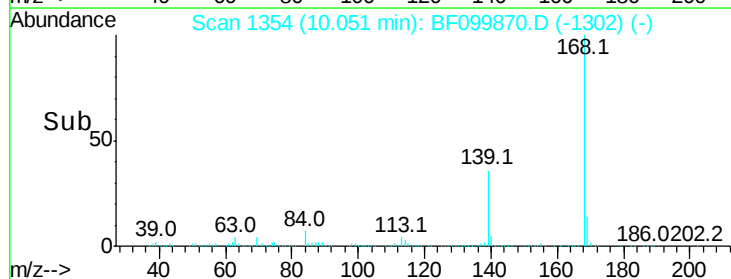
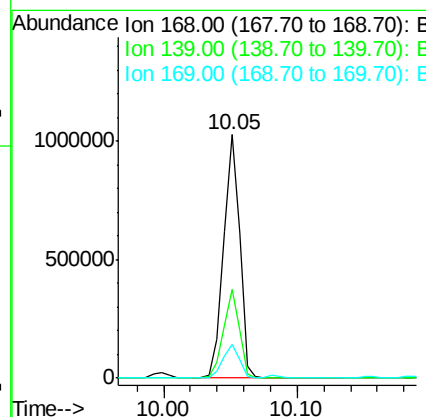
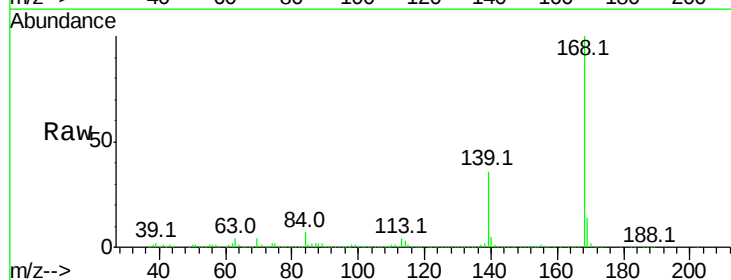
Instrument :
BNA_F
ClientSampleId :

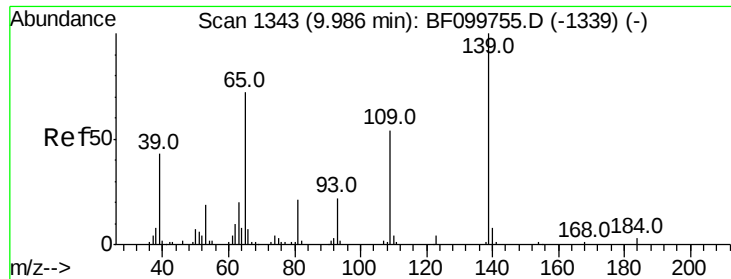
Tot Ion:184 Resp: 400
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 65.1 53.5 80.3



#54
Dibenzofuran
Concen: 86.520 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Tgt Ion:168 Resp: 883827
Ion Ratio Lower Upper
168 100
139 36.2 30.1 45.1
169 13.9 10.9 16.3





#55

4-Nitrophenol

Concen: 261.472 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.06 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampleId :

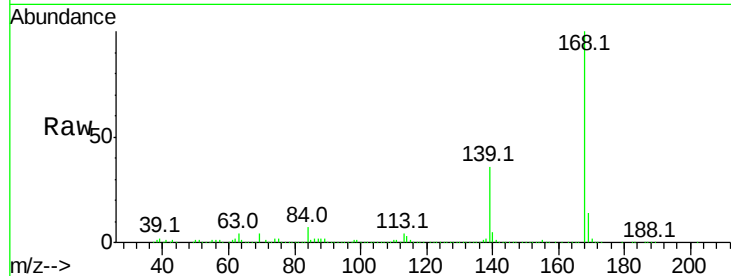
Tot Ion:139 Resp: 313679

Ion Ratio Lower Upper

139 100

109 1.1 48.4 88.4#

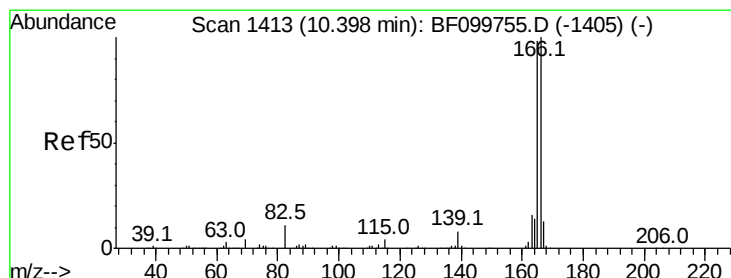
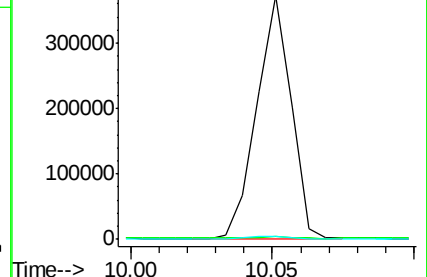
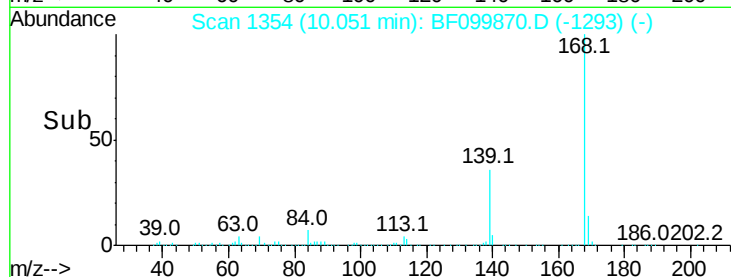
65 1.2 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#57

Fluorene

Concen: 118.588 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.01 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

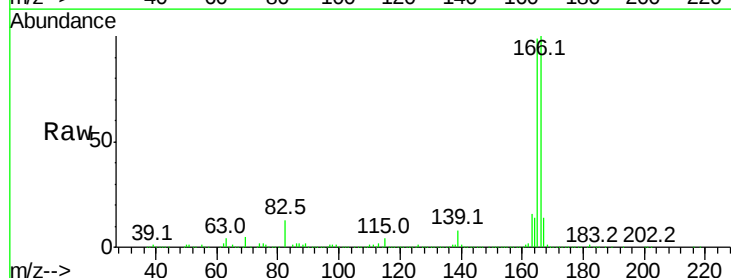
Tgt Ion:166 Resp: 1003022

Ion Ratio Lower Upper

166 100

165 98.5 79.8 119.8

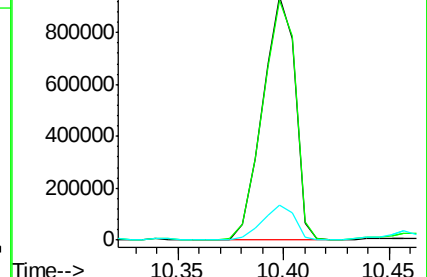
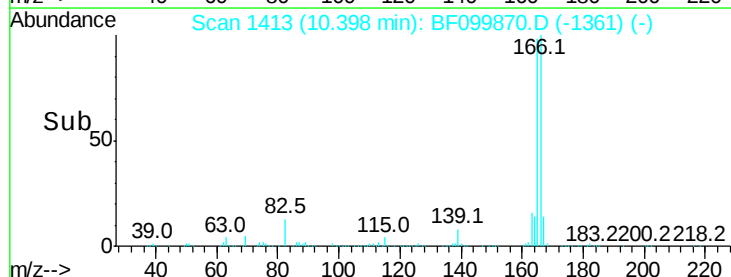
167 14.2 10.6 16.0

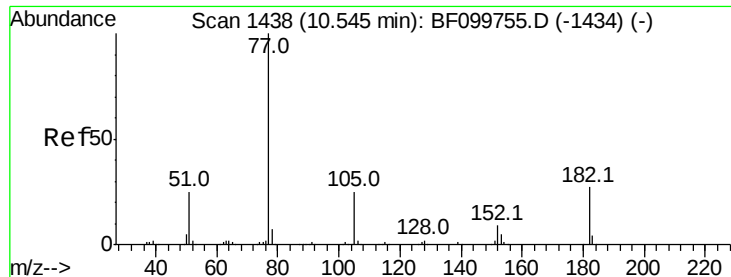


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#62

Azobenzene

Concen: 3.972 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.02 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 30137

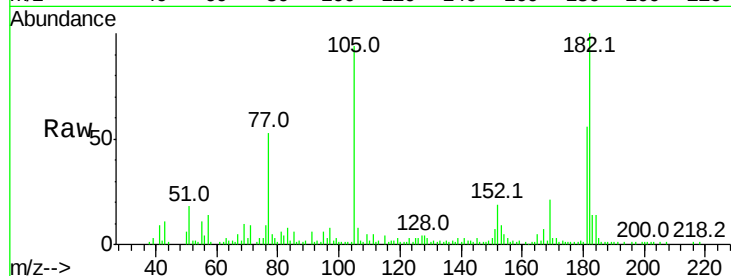
Ion Ratio Lower Upper

77 100

182 188.5 1.7 41.7#

105 177.7 3.0 43.0#

51 34.8 9.9 49.9

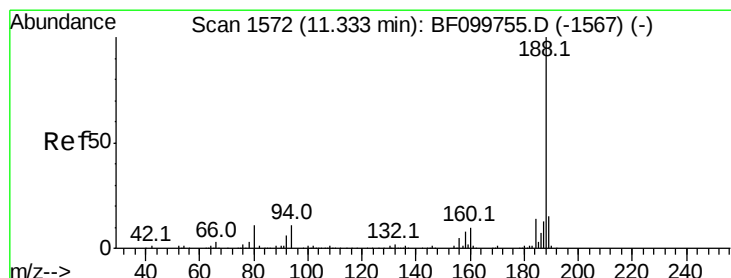
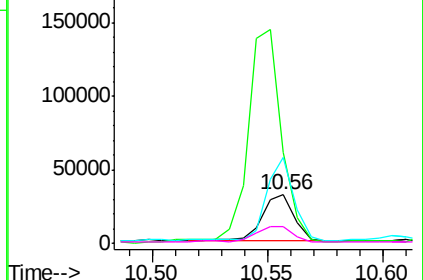
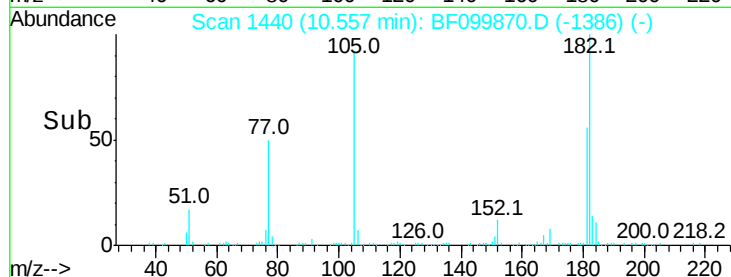


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

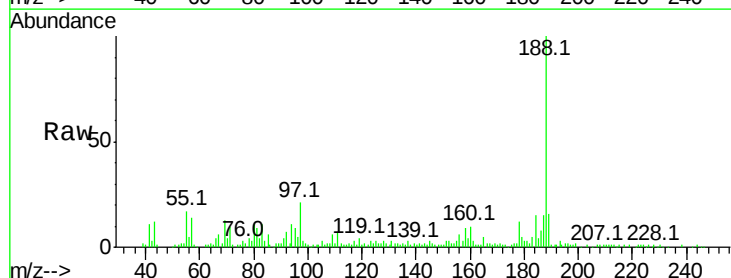
Tgt Ion: 188 Resp: 188155

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

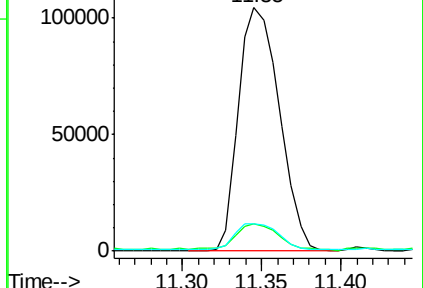
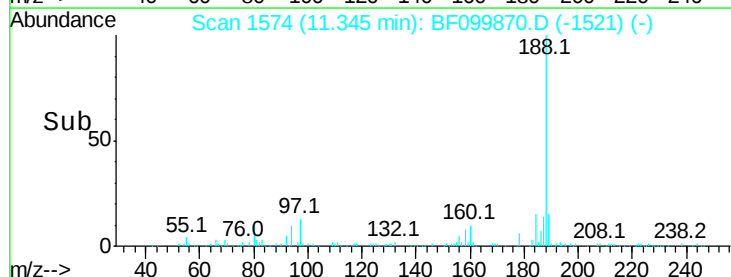
80 11.1 9.2 13.8

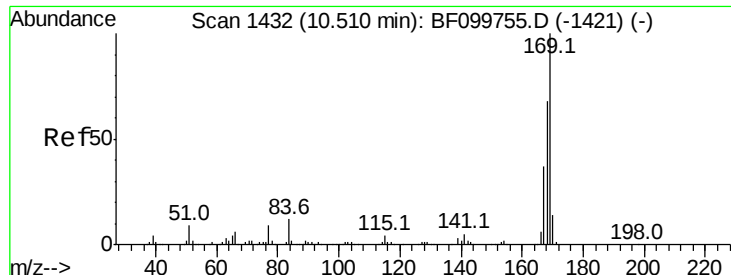


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

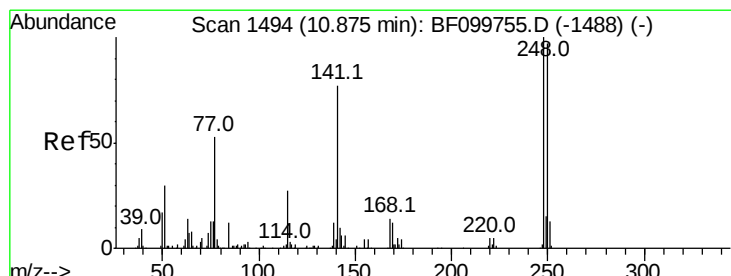
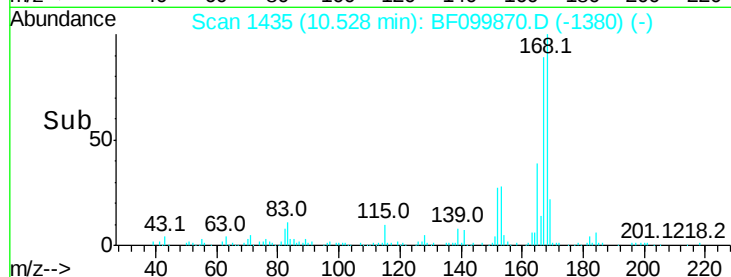
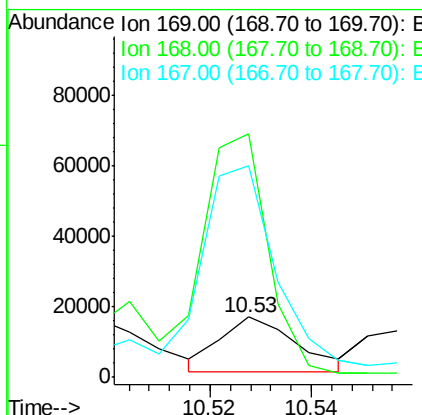
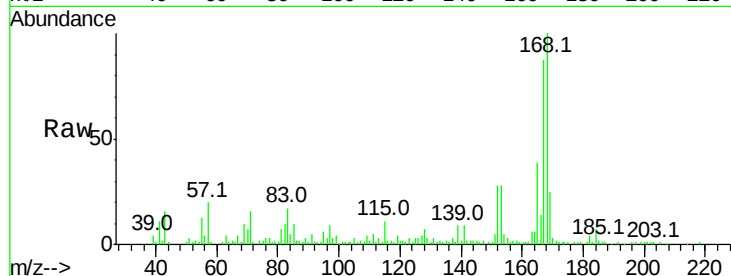




#65
 n-Nitrosodiphenylamine
 Concen: 2.352 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.02 min
 Lab File: BF099870.D
 Acq: 26 Oct 2017 19:48

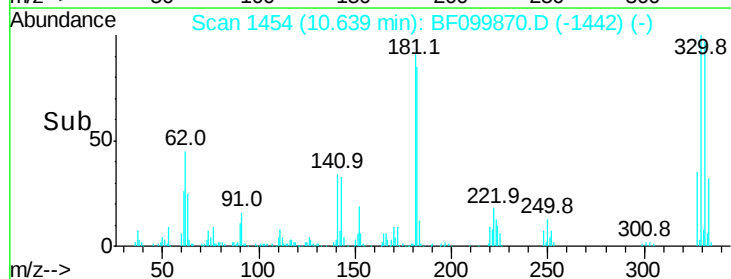
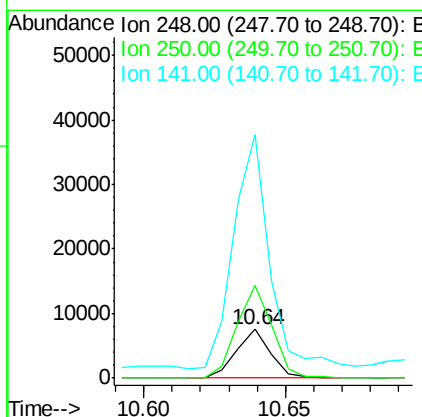
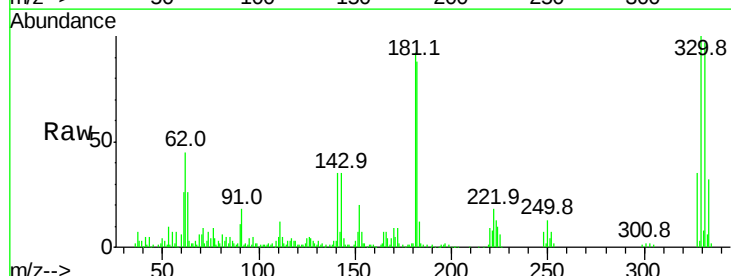
Instrument :
 BNA_F
 ClientSampleId :

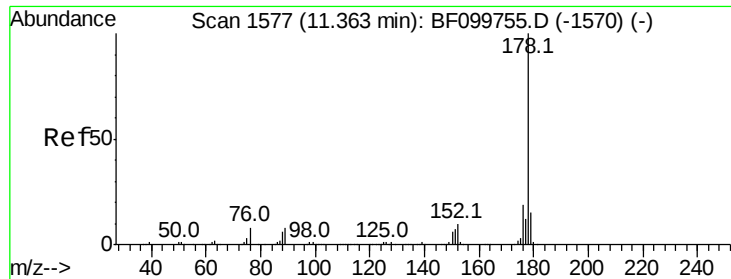
Tot Ion	169	168	167
Resp	16333	403.6	351.2
Ratio	100	54.4	29.8
Lower		54.4	29.8
Upper		81.6#	44.6#



#66
 4-Bromophenyl-phenylether
 Concen: 3.234 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.23 min
 Lab File: BF099870.D
 Acq: 26 Oct 2017 19:48

Tgt Ion	248	250	141
Resp	6405	190.0	500.5
Ratio	100	76.9	74.4
Lower		76.9	74.4
Upper		115.3#	111.6#





#70

Phenanthrene

Concen: 399.349 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.04 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampleId :

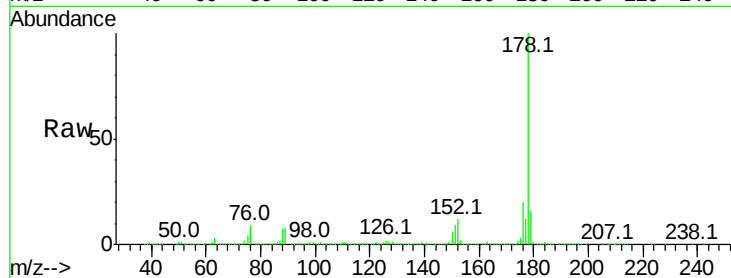
Tot Ion:178 Resp: 4240486

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

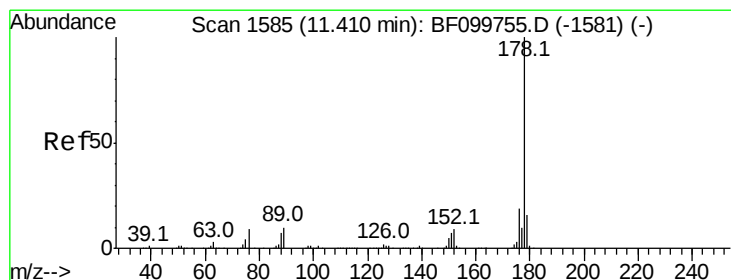
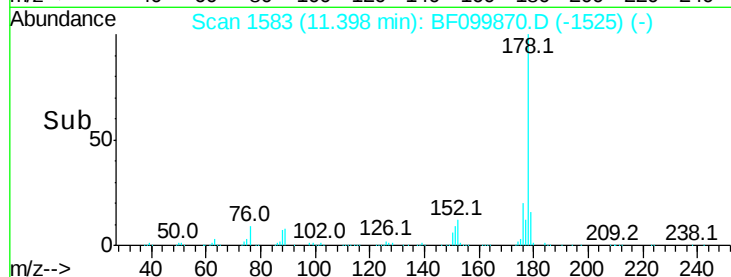
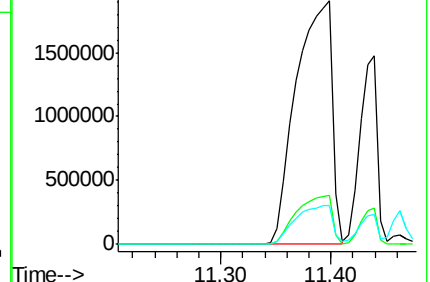
179 16.1 13.0 19.6



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: 145.274 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.03 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

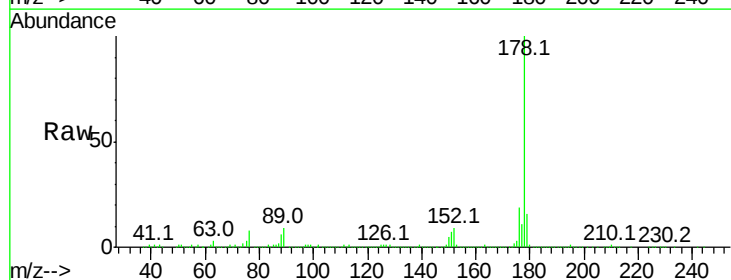
Tgt Ion:178 Resp: 1565814

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

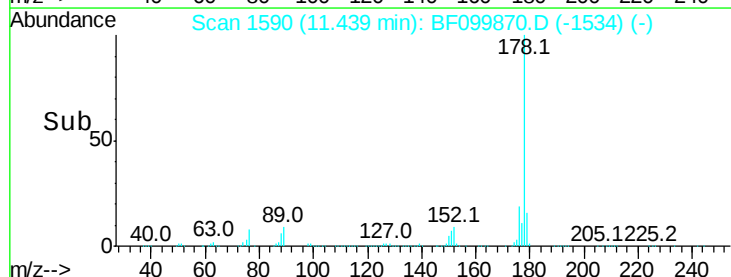
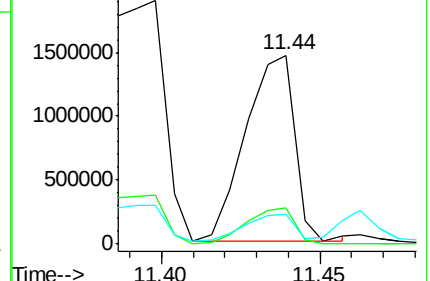
179 16.1 12.6 19.0

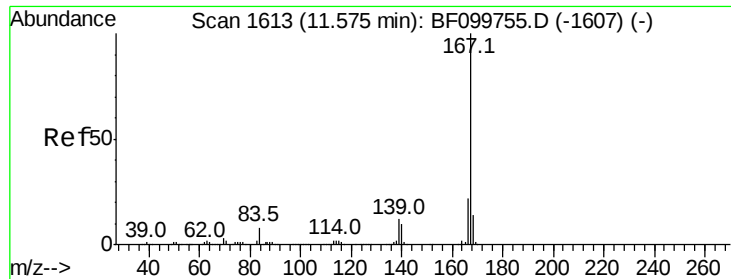


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

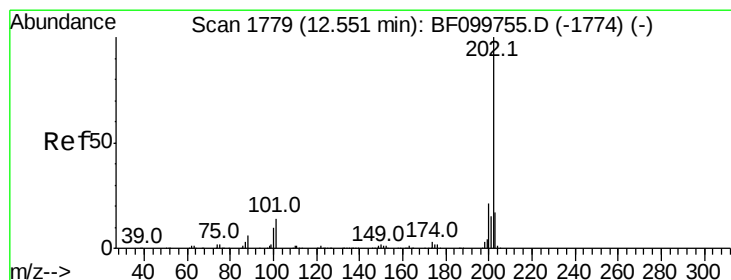
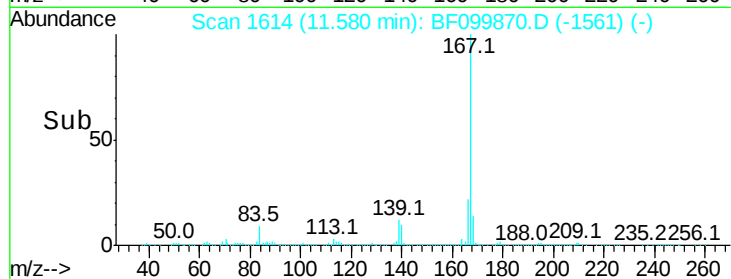
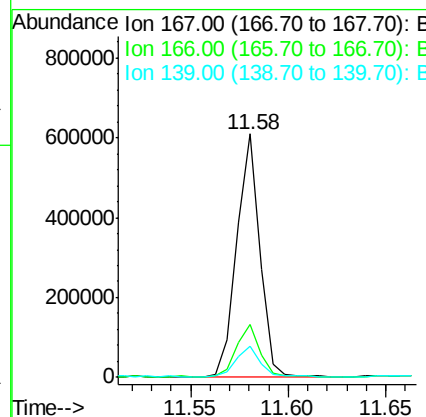
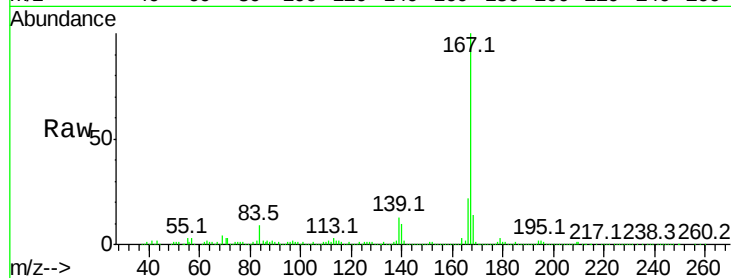




#72
 Carbazole
 Concen: 48.908 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BF099870.D
 Acq: 26 Oct 2017 19:48

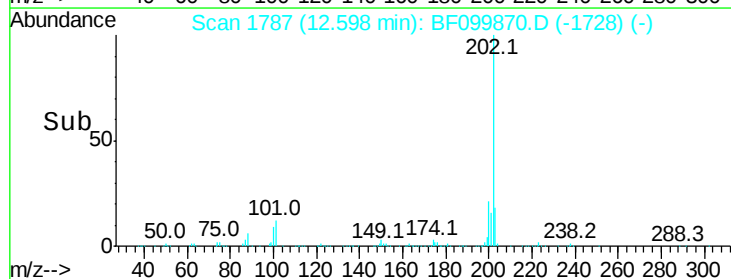
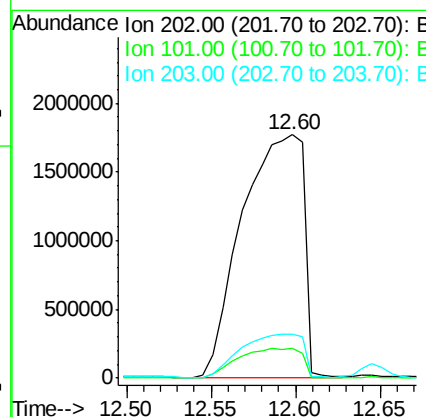
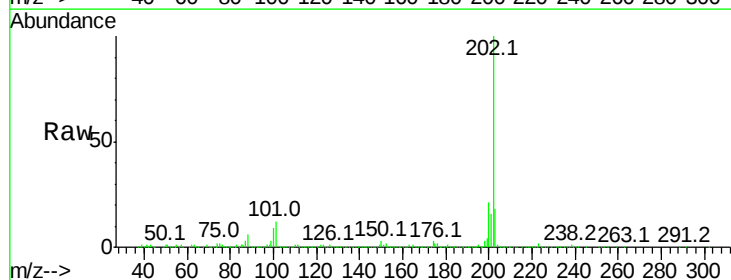
Instrument :
 BNA_F
 ClientSampleId :

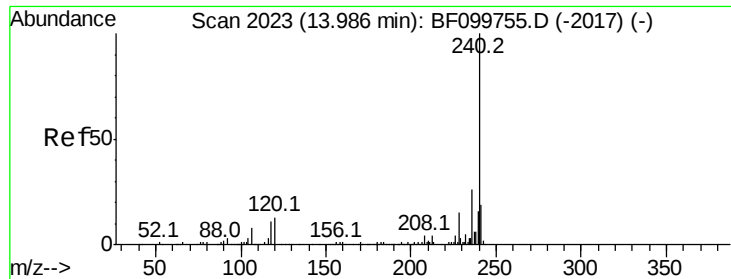
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.5	10.9	16.3



#74
 Fluoranthene
 Concen: 407.891 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.05 min
 Lab File: BF099870.D
 Acq: 26 Oct 2017 19:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.04 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampleId :

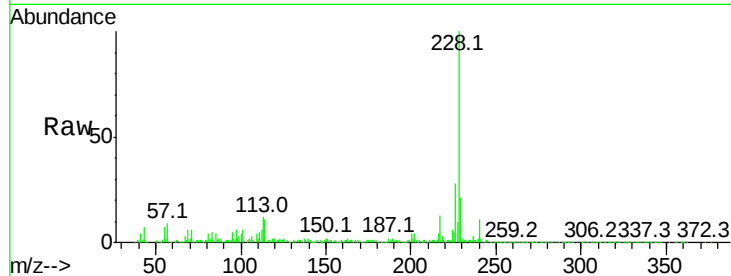
Tot Ion:240 Resp: 114290

Ion Ratio Lower Upper

240 100

120 19.1 9.5 14.3#

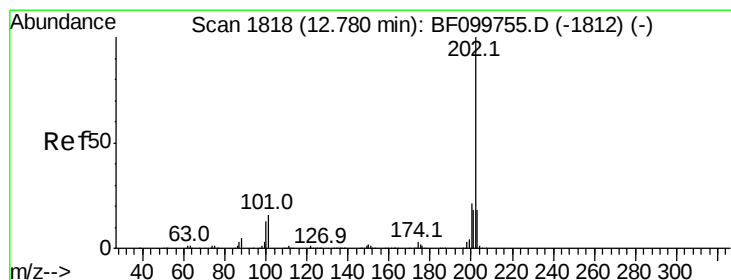
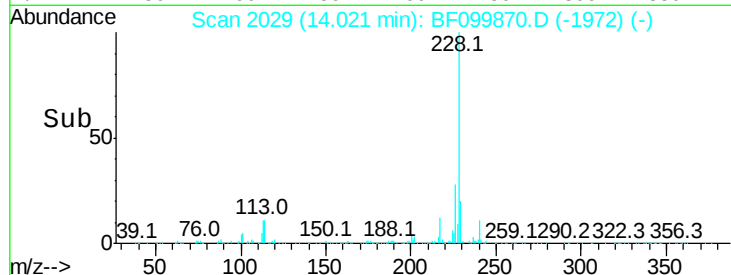
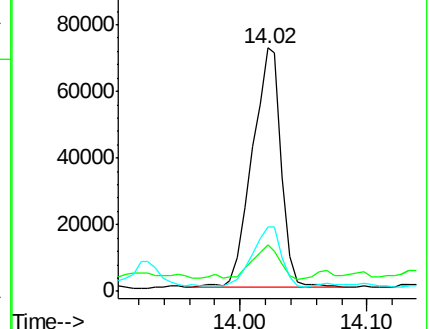
236 26.2 20.7 31.1



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: 401.194 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.05 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

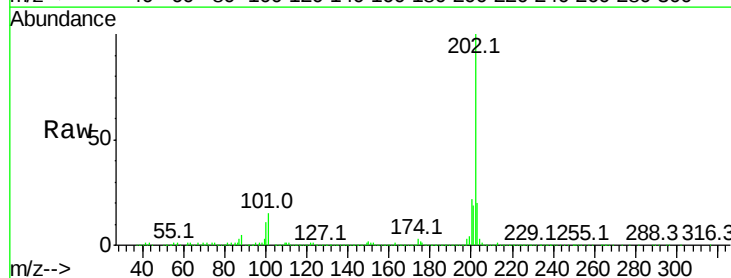
Tgt Ion:202 Resp: 3486591

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

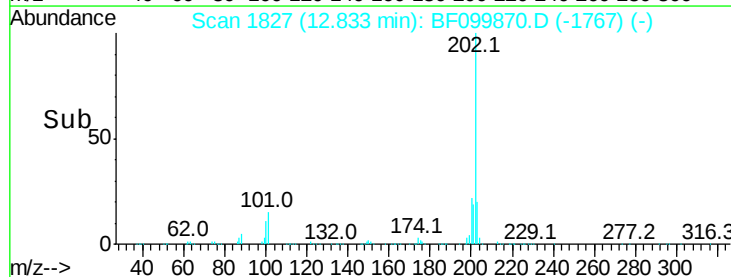
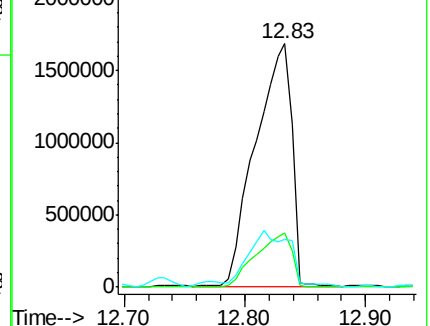
203 19.9 14.3 21.5

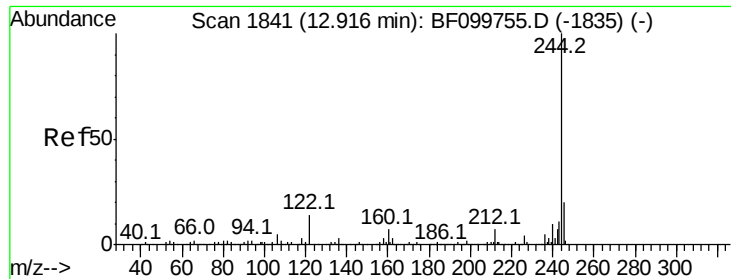


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

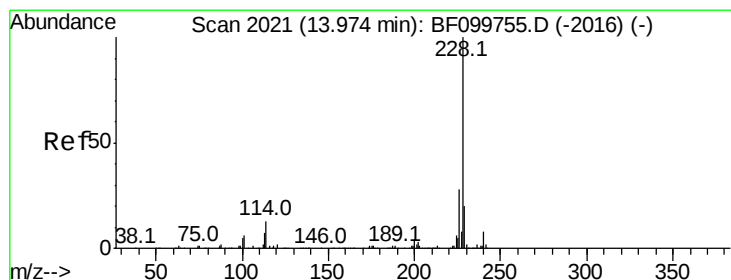
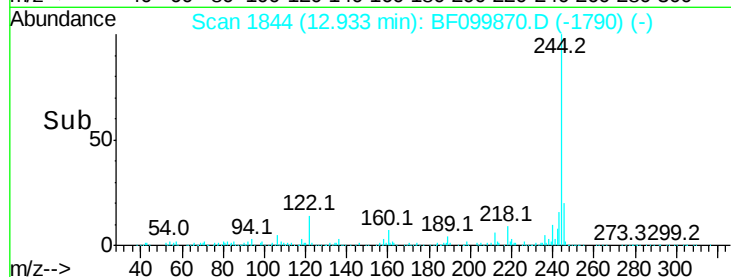
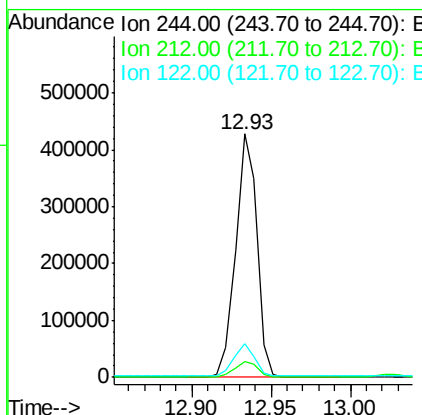
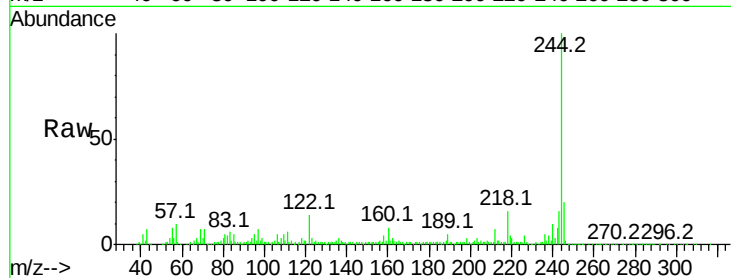




#78
 Terphenyl-d14
 Concen: 75.671 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.02 min
 Lab File: BF099870.D
 Acq: 26 Oct 2017 19:48

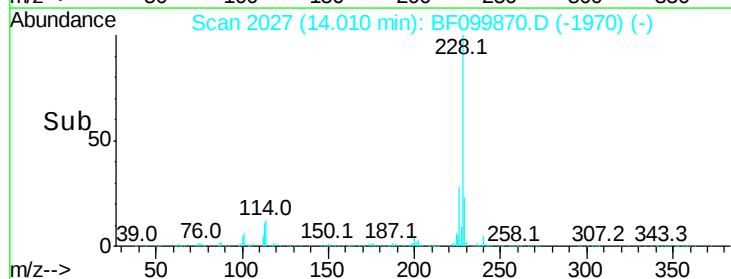
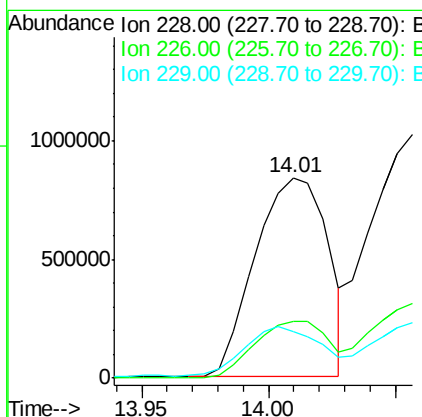
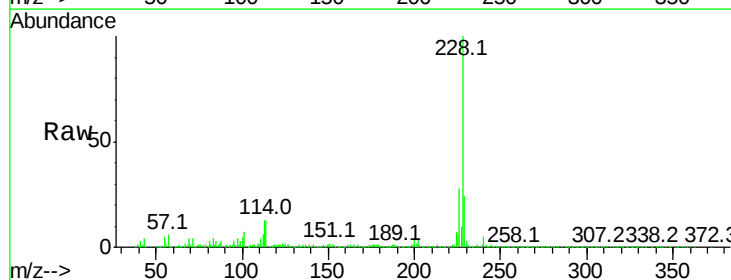
Instrument :
 BNA_F
 ClientSampleId :

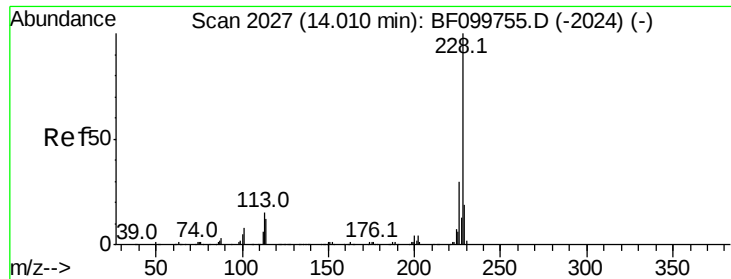
Tot Ion:244 Resp: 395744
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 14.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 231.537 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.04 min
 Lab File: BF099870.D
 Acq: 26 Oct 2017 19:48

Tgt Ion:228 Resp: 1677536
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.6 33.8
 229 23.5 15.8 23.6





#82

Chrvsene

Concen: 215.949 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.04 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampleId :

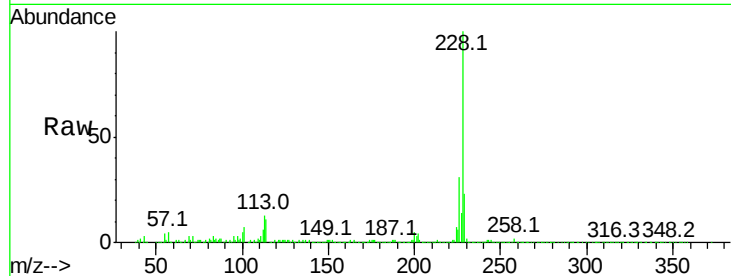
Tot Ion:228 Resp: 1470929

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

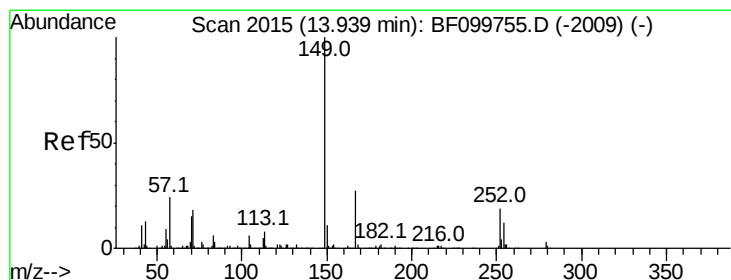
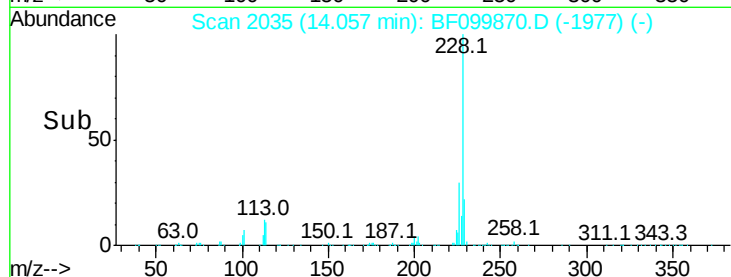
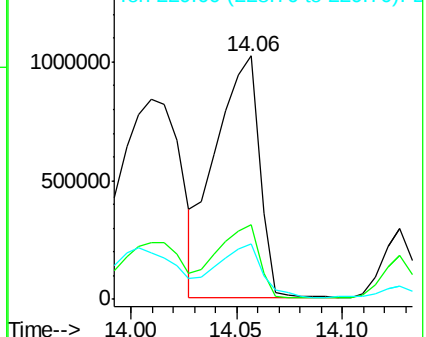
229 22.7 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 55.859 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.02 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

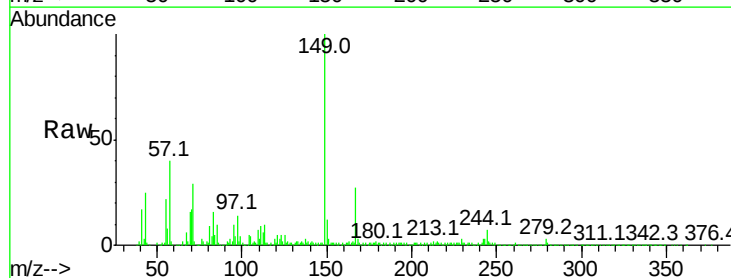
Tgt Ion:149 Resp: 335696

Ion Ratio Lower Upper

149 100

167 27.4 21.3 31.9

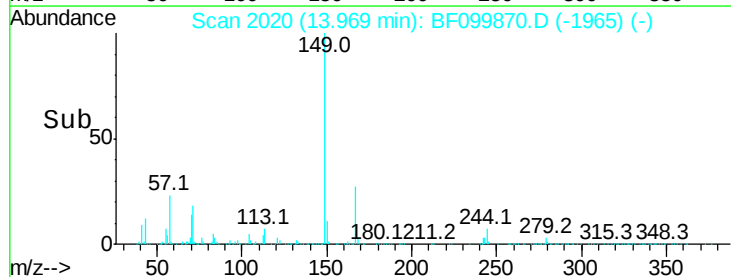
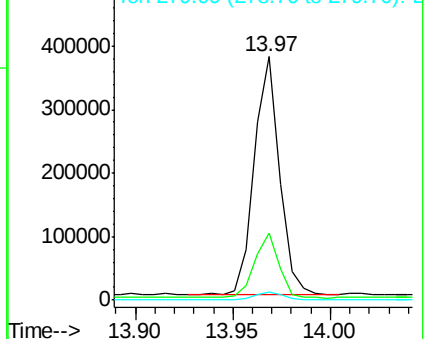
279 3.4 3.0 4.4

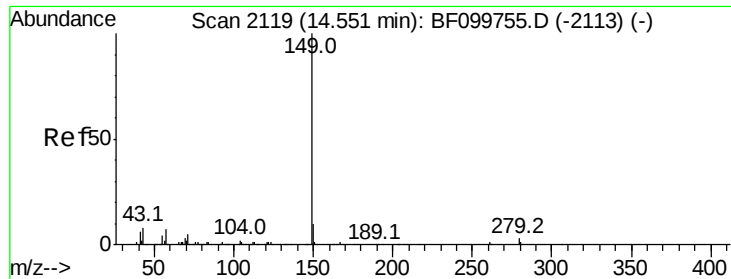


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.655 ng

RT: 14.59 min Scan# 2125

Delta R.T. 0.03 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampleId :

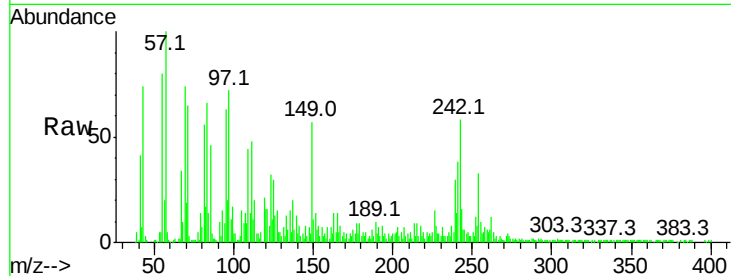
Tot Ion:149 Resp: 37705

Ion Ratio Lower Upper

149 100

167 6.7 1.2 1.8#

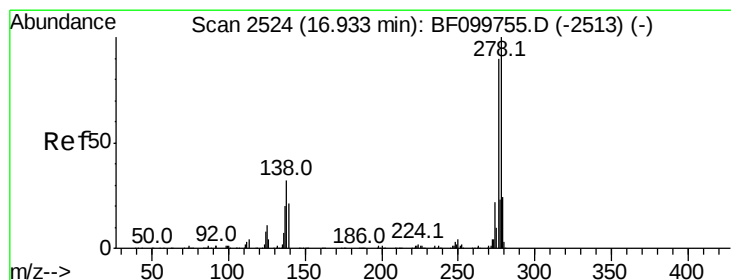
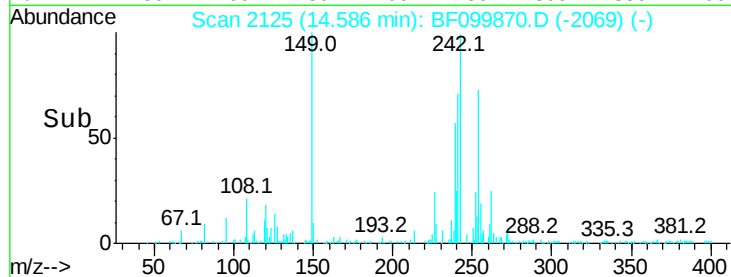
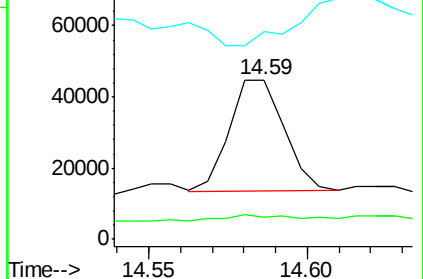
43 0.0 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 133.841 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.09 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

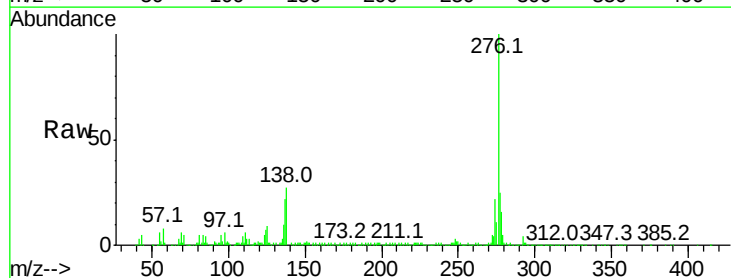
Tgt Ion:276 Resp: 836915

Ion Ratio Lower Upper

276 100

138 26.4 25.0 37.6

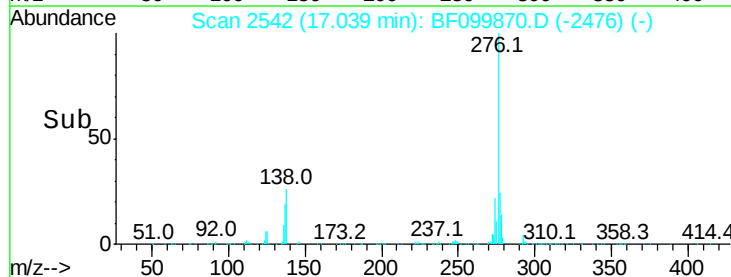
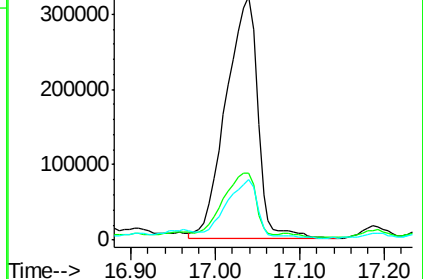
277 23.7 20.1 30.1

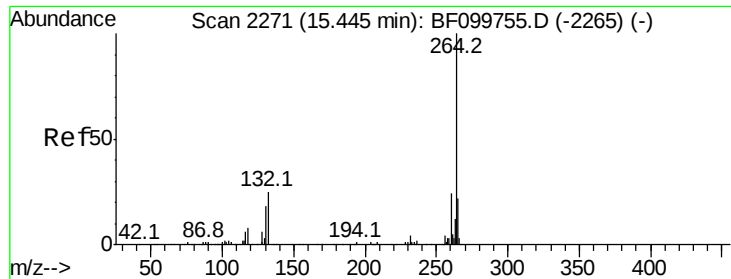


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

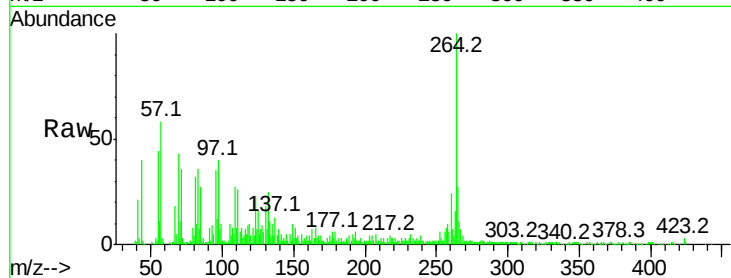




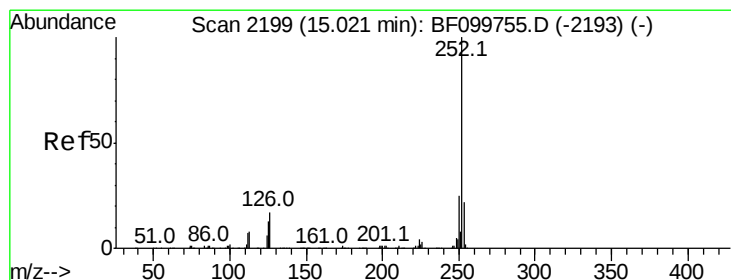
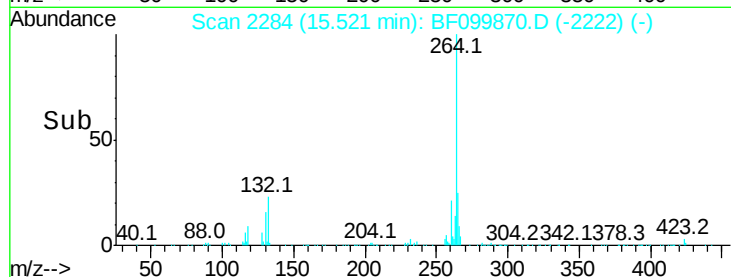
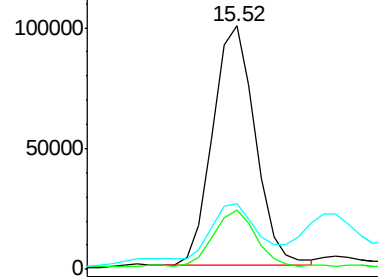
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.06 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	27.2	17.5	26.3

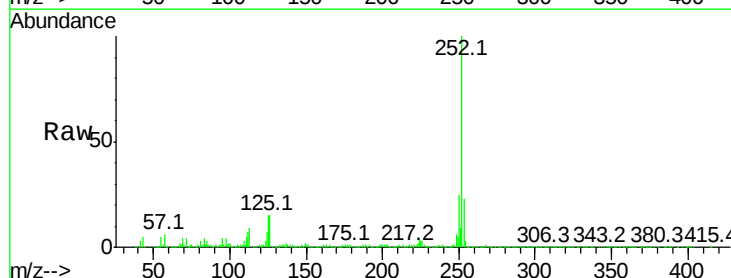


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

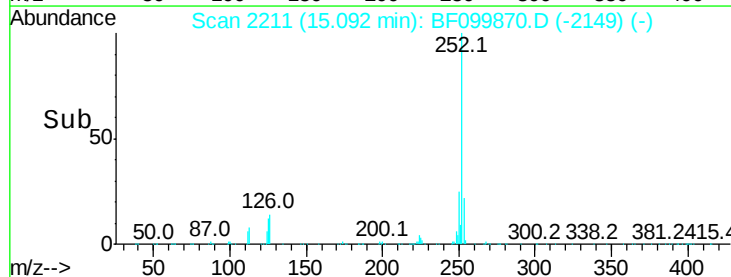
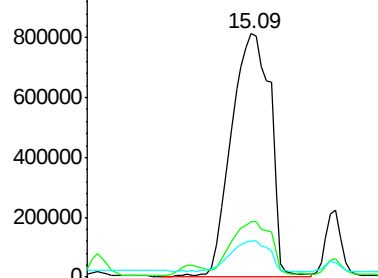


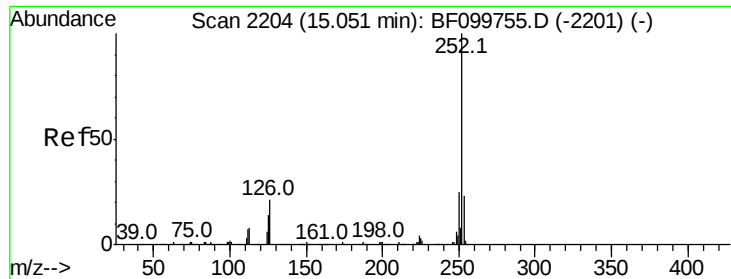
#87
Benzo(b)fluoranthene
Concen: 296.325 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.06 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.7	9.0	13.6



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

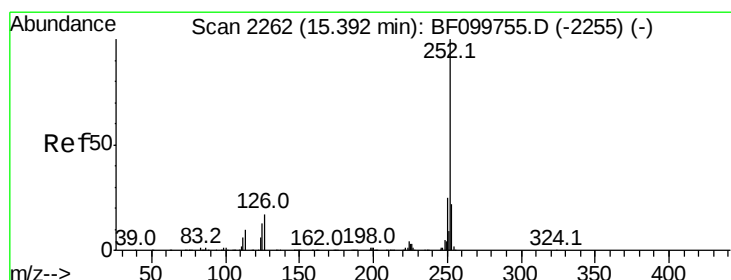
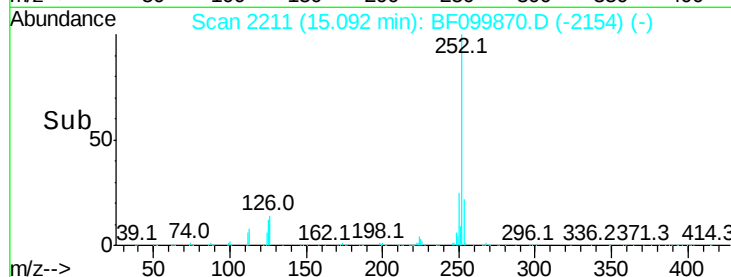
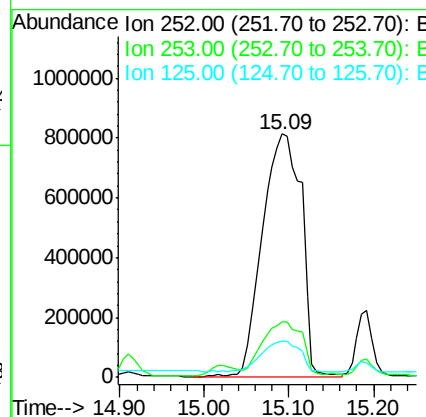
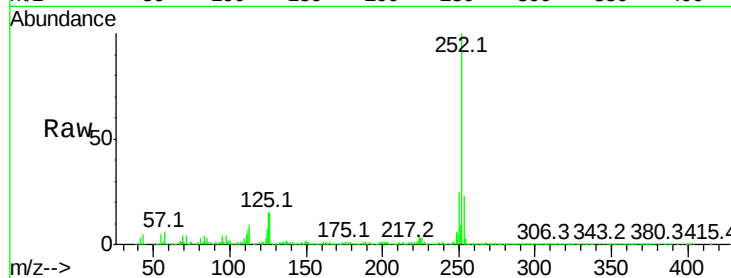




#88
Benzo(k)fluoranthene
Concen: 314.248 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.04 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

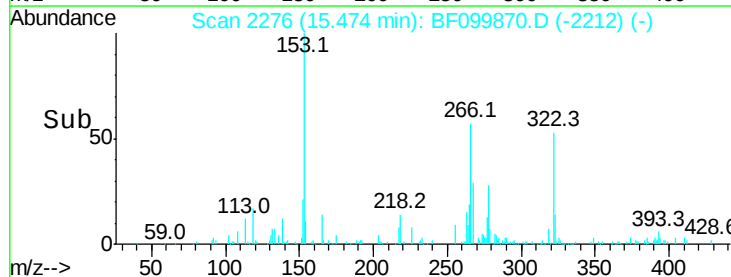
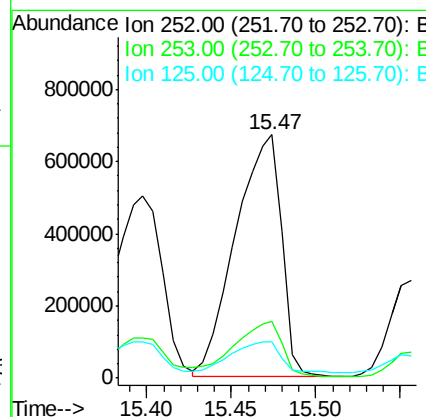
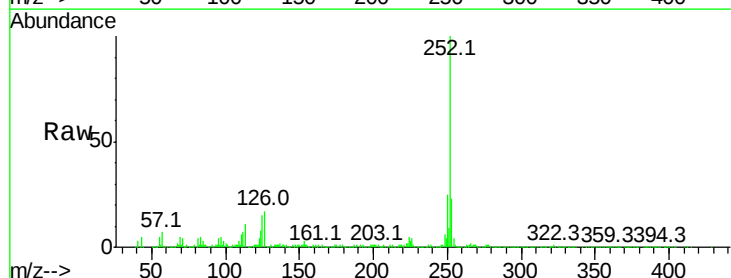
Instrument :
BNA_F
ClientSampleId :

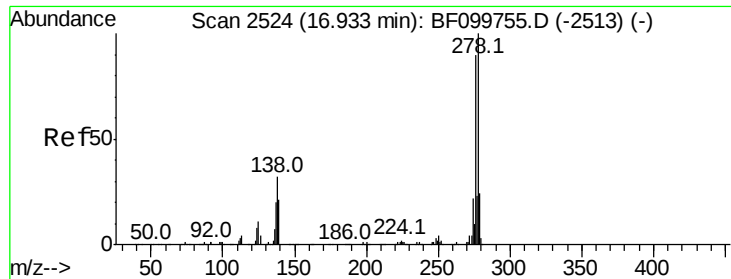
Tot Ion:252 Resp: 2589900
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 14.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 162.594 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.08 min
Lab File: BF099870.D
Acq: 26 Oct 2017 19:48

Tgt Ion:252 Resp: 1276530
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 15.0 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 24.648 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.08 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

Instrument :

BNA_F

ClientSampled :

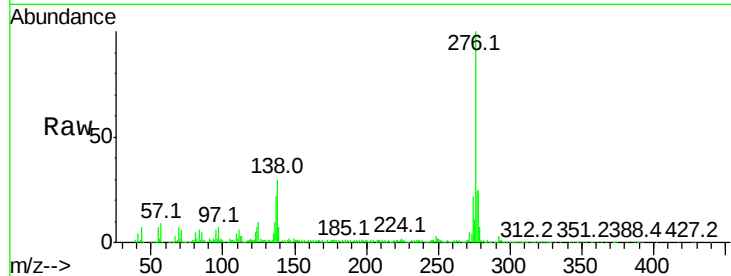
Tot Ion:278 Resp: 171948

Ion Ratio Lower Upper

278 100

139 28.7 15.9 23.9#

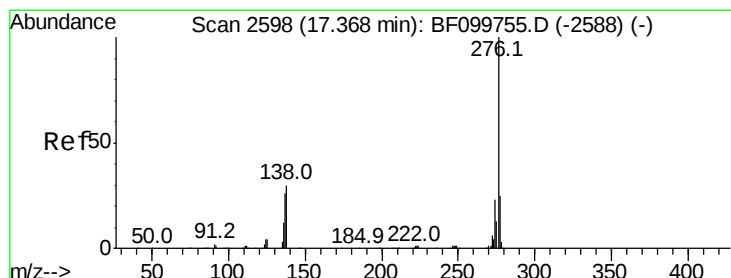
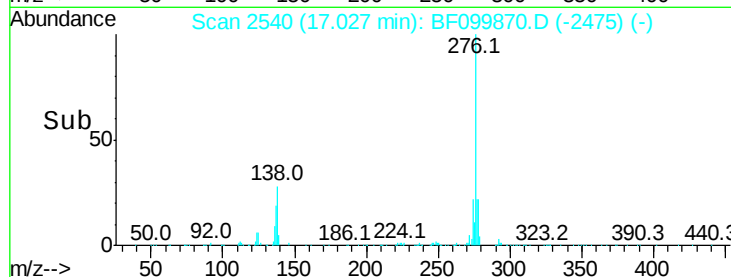
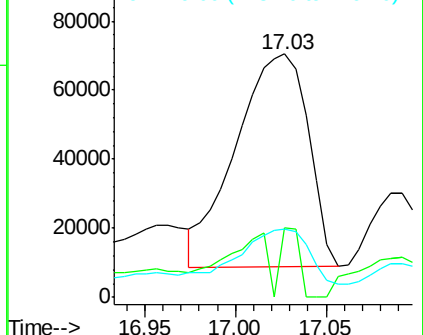
279 27.8 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 109.389 ng

RT: 17.50 min Scan# 2620

Delta R.T. 0.11 min

Lab File: BF099870.D

Acq: 26 Oct 2017 19:48

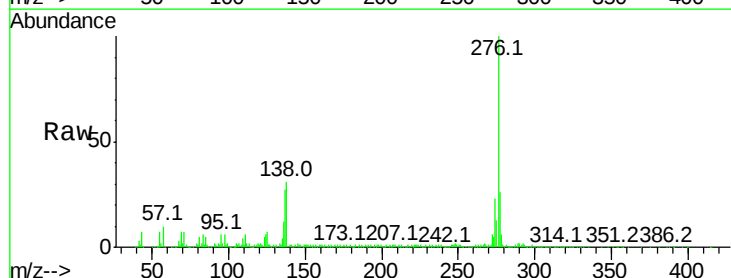
Tgt Ion:276 Resp: 746597

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 30.8 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

