

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
 Data File : BF099771.D
 Acq On : 23 Oct 2017 20:54
 Operator : SJ/JU
 Sample : I5950-05RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20170722-C-A-COMP1RE

Quant Time: Oct 23 23:31:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:08:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116419	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	487708	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	223135	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	347804	20.00	ng	0.00
75) Chrysene-d12	13.98	240	196585	20.00	ng	0.00
86) Perylene-d12	15.44	264	216832	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	54810	7.39	ng	0.02
7) Phenol-d6	6.45	99	260990	29.68	ng	0.00
23) Nitrobenzene-d5	7.37	82	505553	66.74	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	16260	8.00	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	913328	63.15	ng	0.00
78) Terphenyl-d14	12.92	244	573581	63.76	ng	0.00

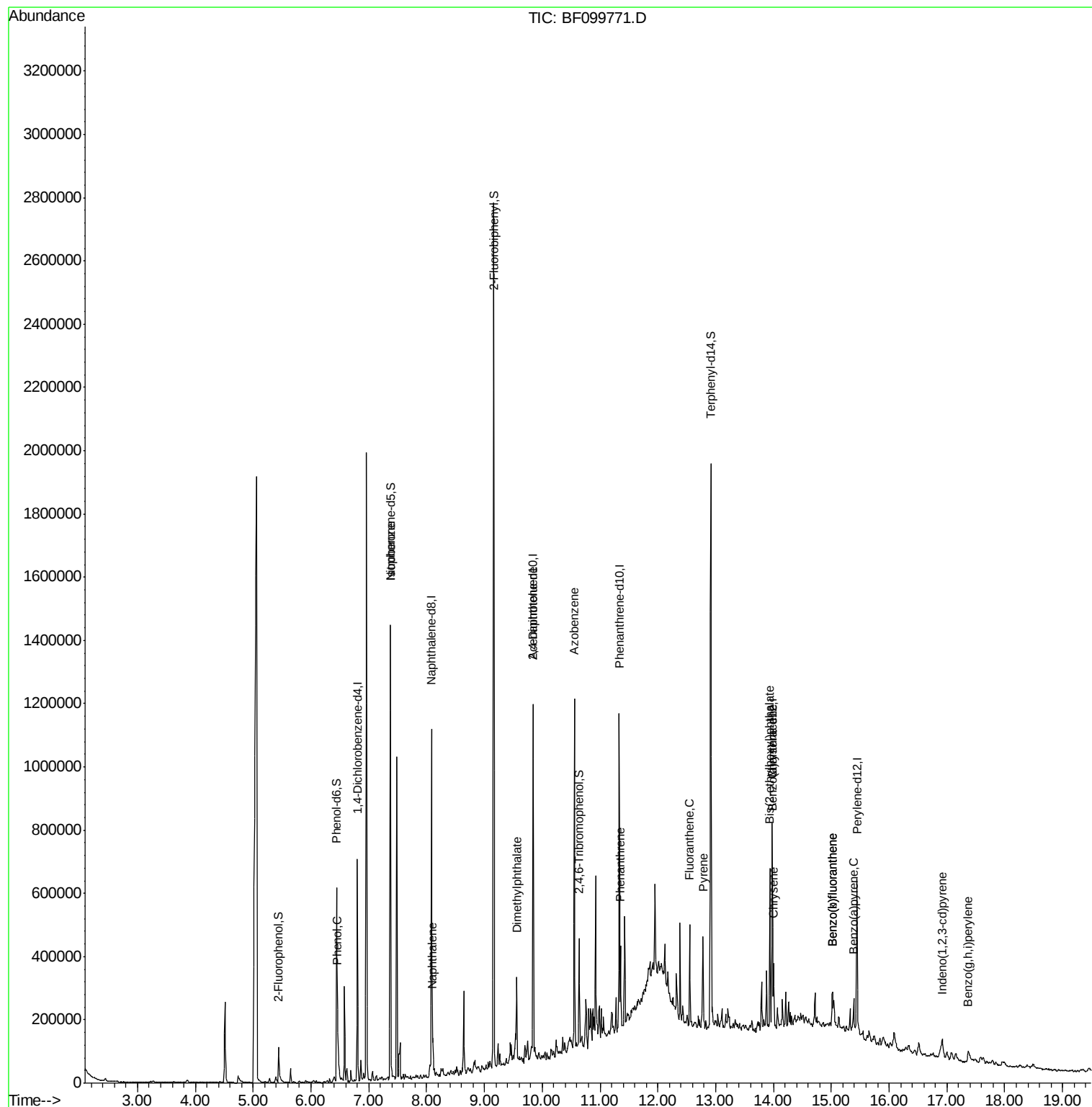
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	34746	3.60	ng	96
25) Isophorone	7.37	82	505545	36.78	ng	# 64
31) Naphthalene	8.10	128	59681	2.54	ng	99
49) Dimethylphthalate	9.56	163	98872	5.60	ng	99
56) 2,4-Dinitrotoluene	9.84	165	30101	6.73	ng	# 23
62) Azobenzene	10.55	77	195783	13.53	ng	# 1
70) Phenanthrene	11.36	178	91969	4.69	ng	98
74) Fluoranthene	12.55	202	119512	5.86	ng	97
77) Pyrene	12.78	202	114241	7.64	ng	98
80) Benzo(a)anthracene	13.97	228	46428	3.73	ng	98
82) Chrysene	14.00	228	42339	3.61	ng	96
83) Bis(2-ethylhexyl)phthalate	13.94	149	101955	9.86	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	26743	2.49	ng	97
87) Benzo(b)fluoranthene	15.02	252	77787	5.68	ng	# 91
88) Benzo(k)fluoranthene	15.02	252	77787	6.02	ng	# 94
89) Benzo(a)pyrene	15.39	252	43209	3.51	ng	# 93
91) Benzo(a,h,i)perylene	17.37	276	26215	2.45	ng	95

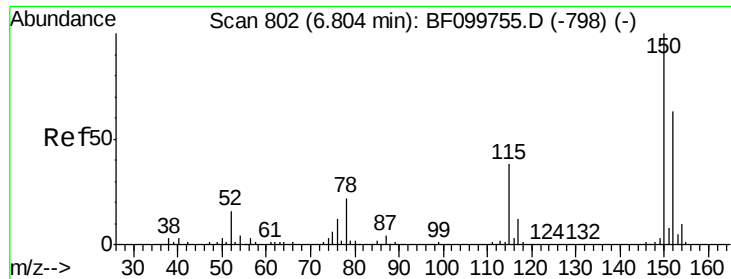
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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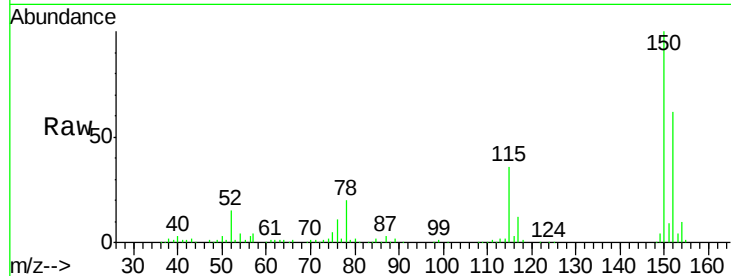


#1

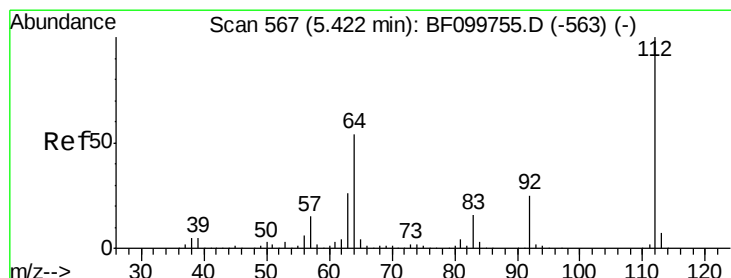
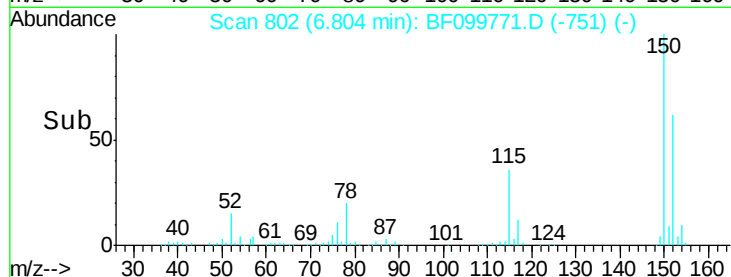
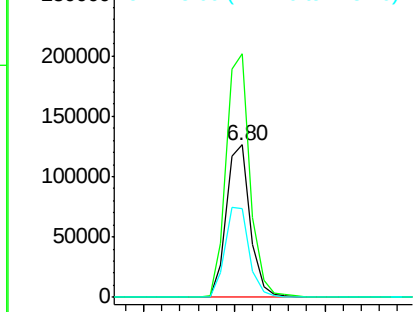
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Instrument :
BNA_F
ClientSampleId :
20170722-C-A-COMP1RE

Tot Ion:152 Resp: 116419
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 58.0 50.1 75.1



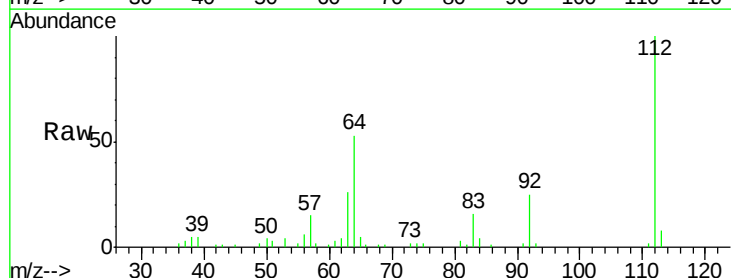
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



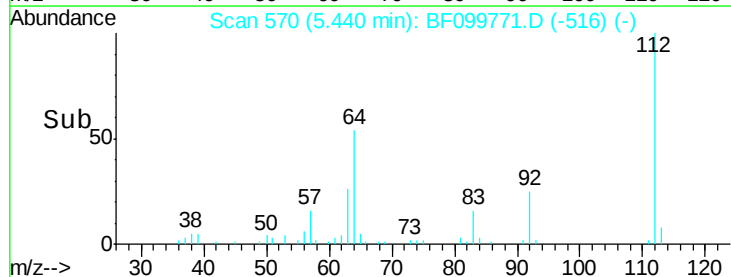
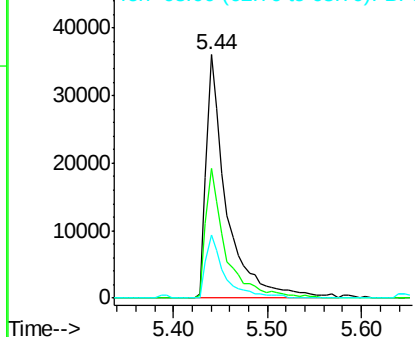
#5

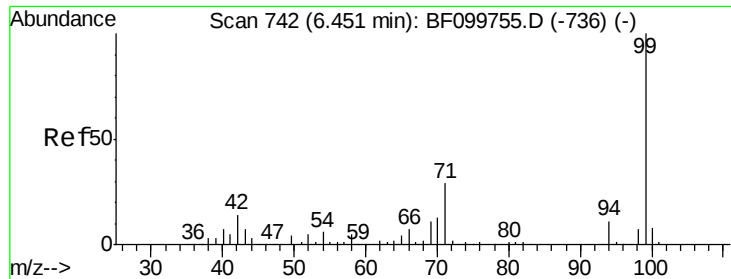
2-Fluorophenol
Concen: 7.39 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Tgt Ion:112 Resp: 54810
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 25.9 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: 29.68 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

Instrument :

BNA_F

ClientSampleId :

20170722-C-A-COMP1RE

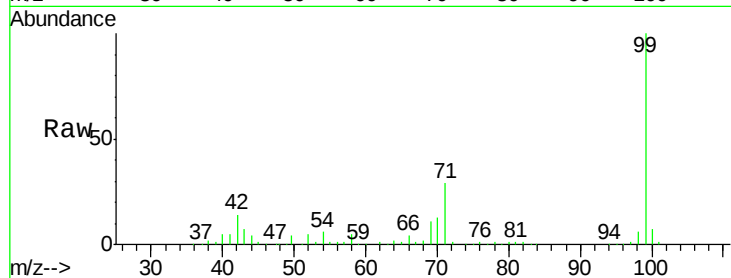
Tot Ion: 99 Resp: 260990

Ion Ratio Lower Upper

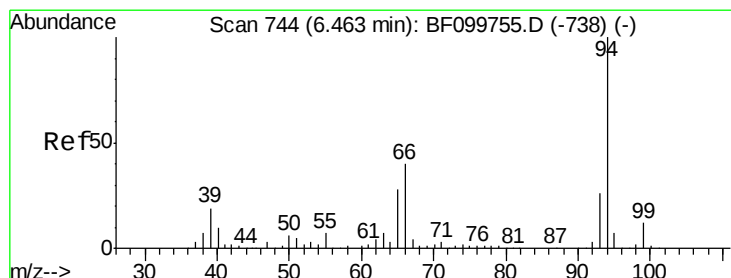
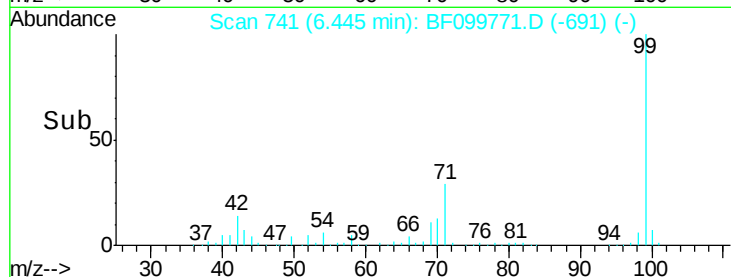
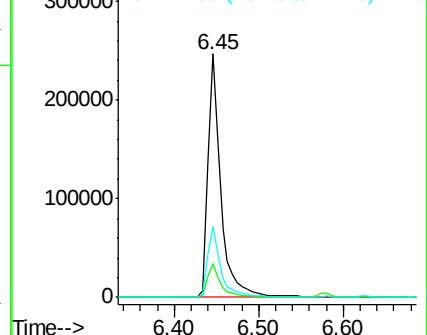
99 100

42 13.7 14.5 21.7#

71 29.2 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



#10

Phenol

Concen: 3.60 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

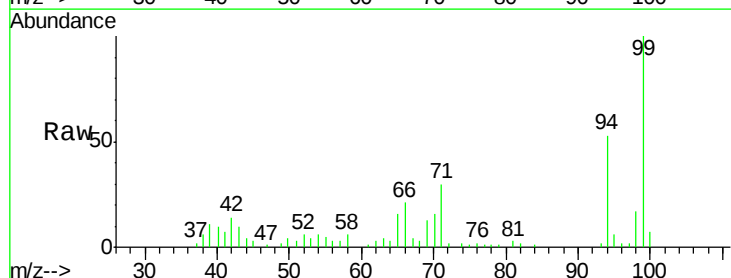
Tgt Ion: 94 Resp: 34746

Ion Ratio Lower Upper

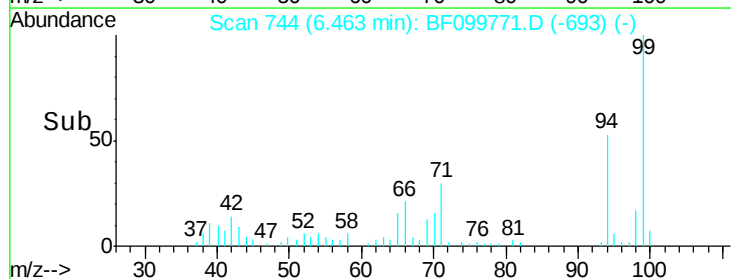
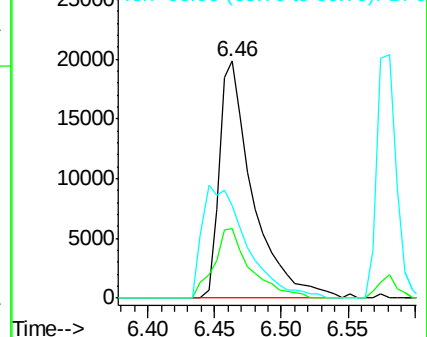
94 100

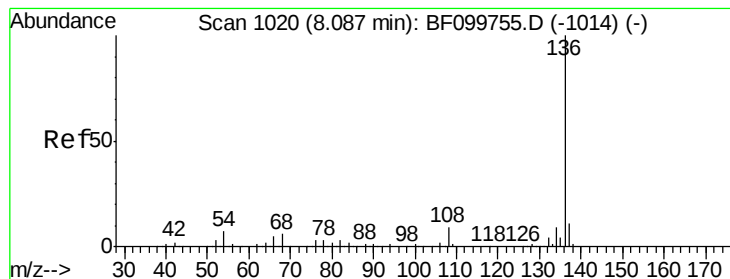
65 29.2 7.9 47.9

66 39.0 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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

Instrument :

BNA_F

ClientSampleId :

20170722-C-A-COMP1RE

Tot Ion:136 Resp: 487708

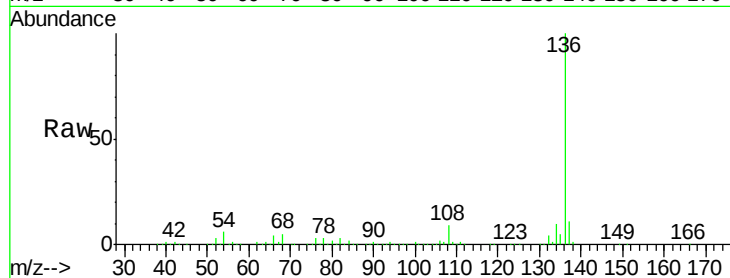
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.4 6.6 9.8#

68 5.5 5.0 7.4

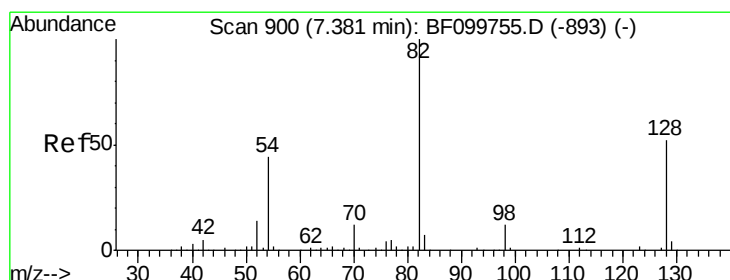
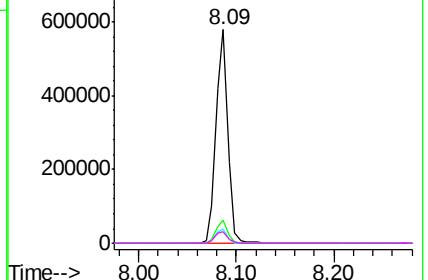
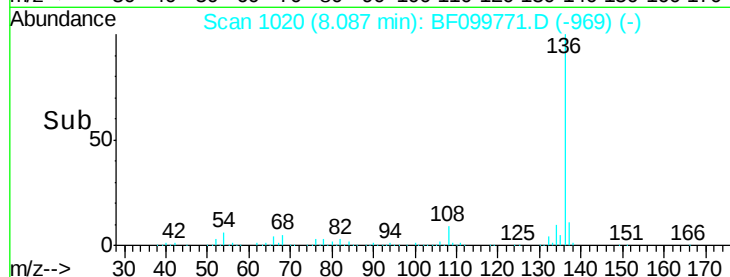


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.74 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

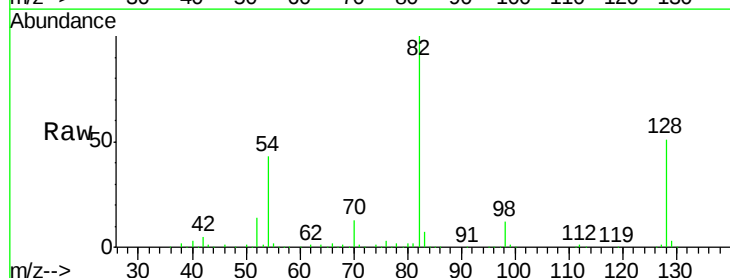
Tgt Ion: 82 Resp: 505553

Ion Ratio Lower Upper

82 100

128 51.3 36.1 54.1

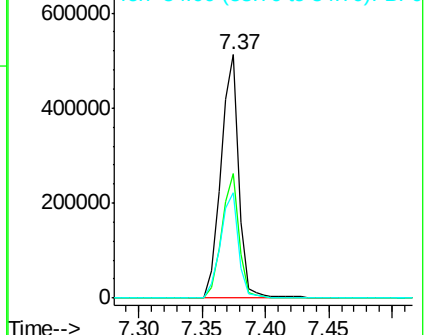
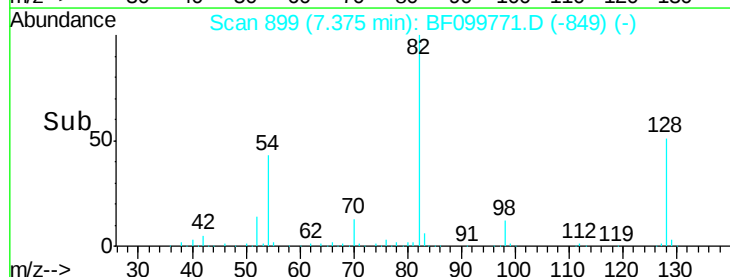
54 43.4 41.4 62.2

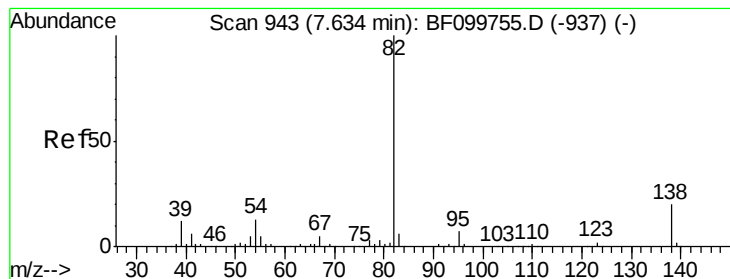


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.78 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

Instrument :

BNA_F

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20170722-C-A-COMP1RE

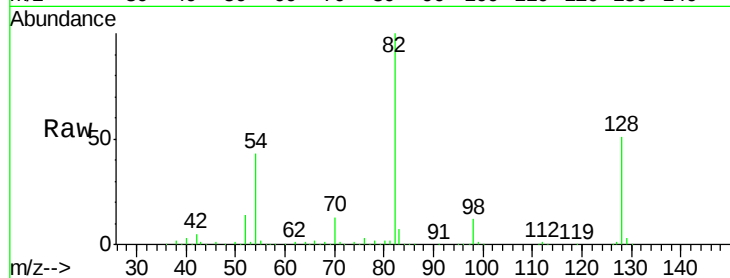
Tot Ion: 82 Resp: 505545

Ion Ratio Lower Upper

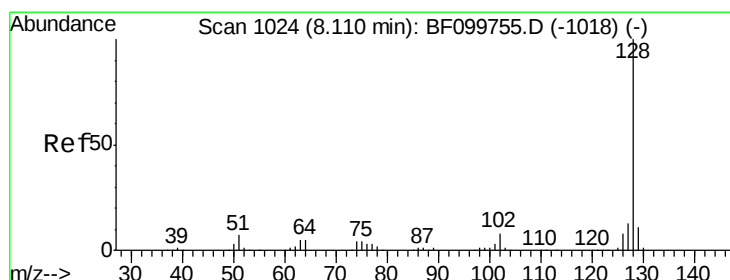
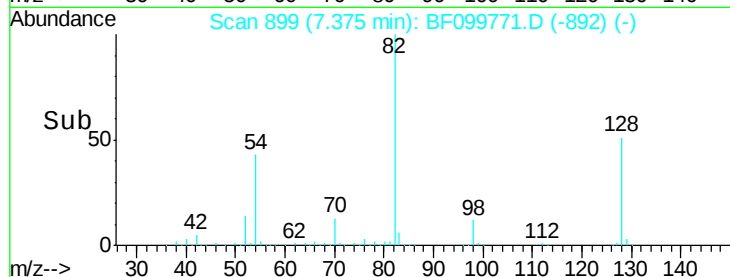
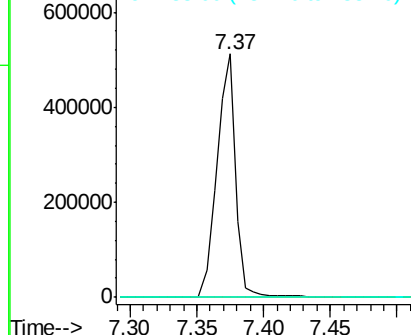
82 100

95 0.1 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): E



#31

Naphthalene

Concen: 2.54 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

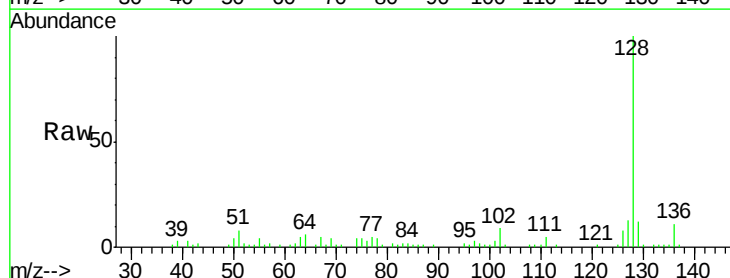
Tgt Ion: 128 Resp: 59681

Ion Ratio Lower Upper

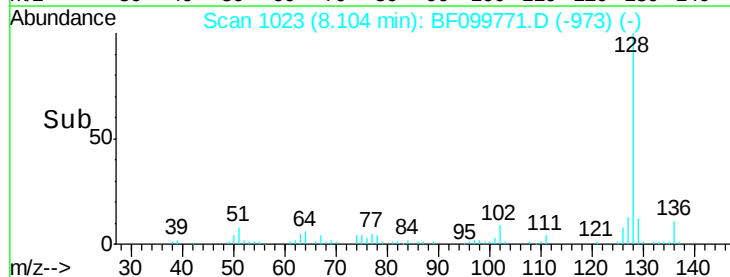
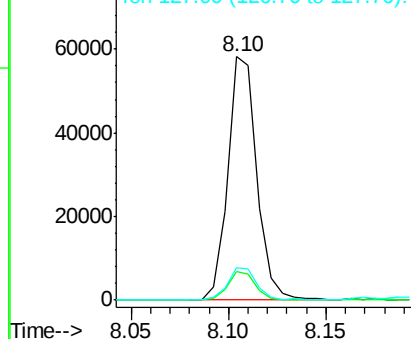
128 100

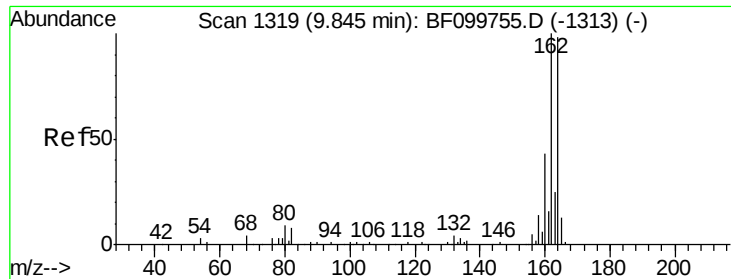
129 11.6 8.8 13.2

127 13.3 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

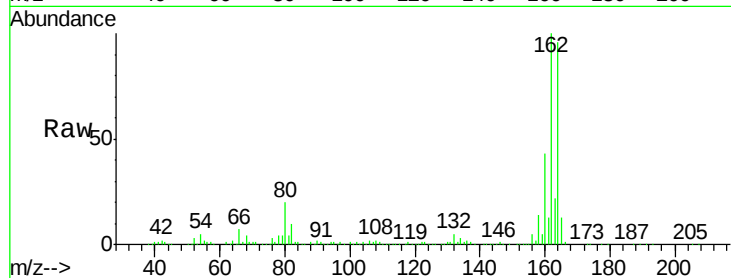




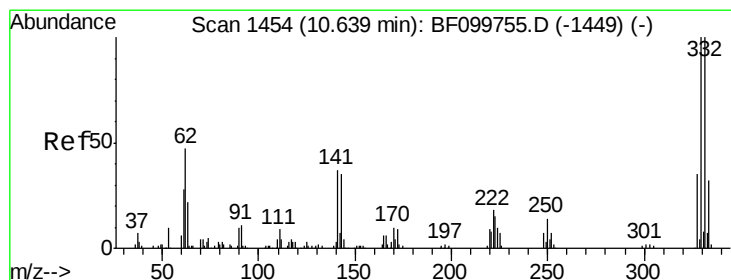
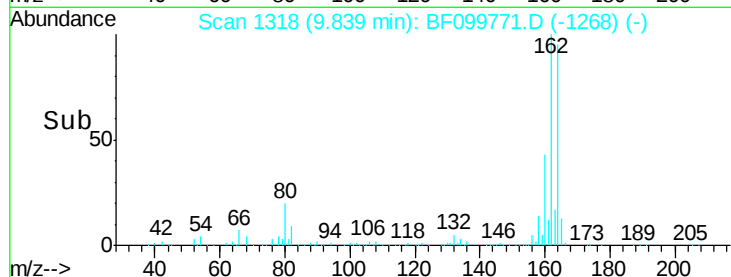
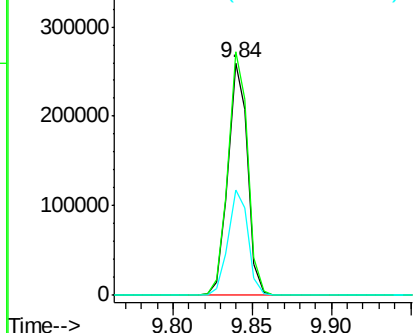
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Instrument :
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ClientSampleId :
20170722-C-A-COMP1RE

Tot Ion:164 Resp: 223135
Ion Ratio Lower Upper
164 100
162 104.6 86.1 129.1
160 45.1 38.3 57.5

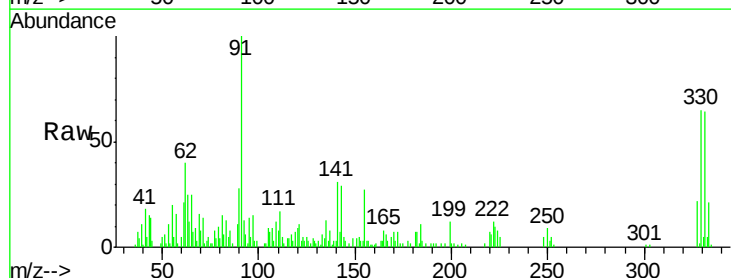


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

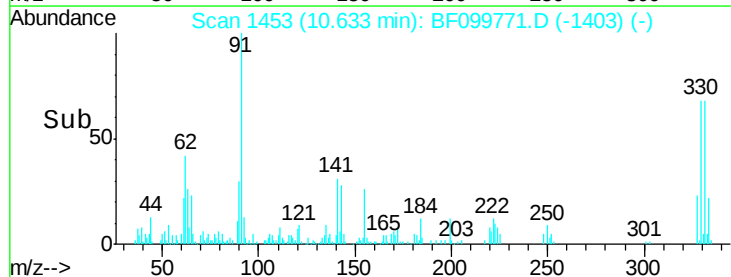
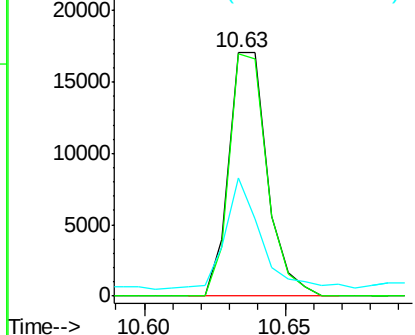


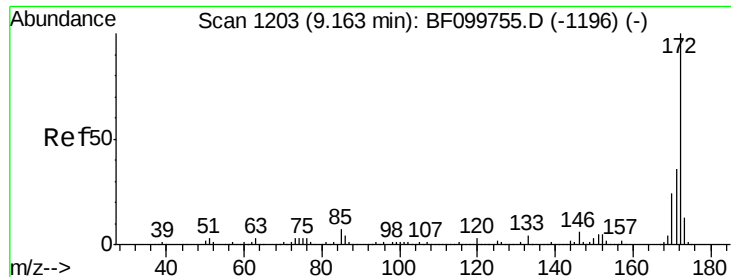
#41
2,4,6-Tribromophenol
Concen: 8.00 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Tgt Ion:330 Resp: 16260
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 44.2 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

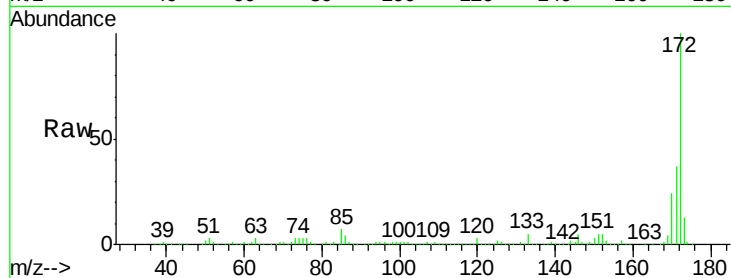




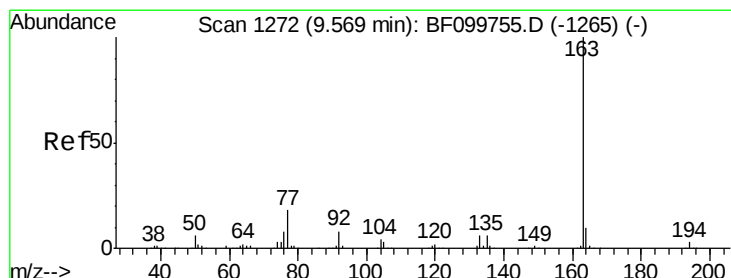
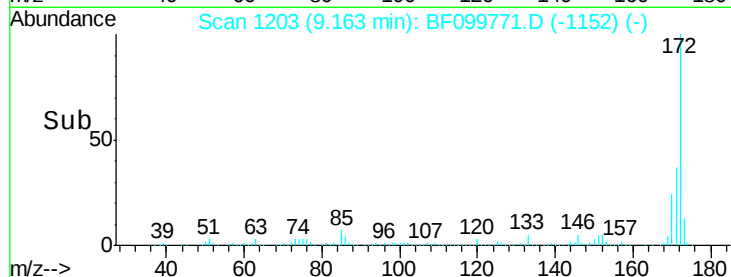
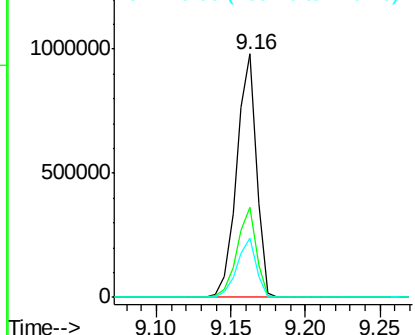
#44
2-Fluorobiphenyl
Concen: 63.15 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Instrument :
BNA_F
ClientSampleId :
20170722-C-A-COMP1RE

Tot Ion:172 Resp: 913328
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.2 19.6 29.4

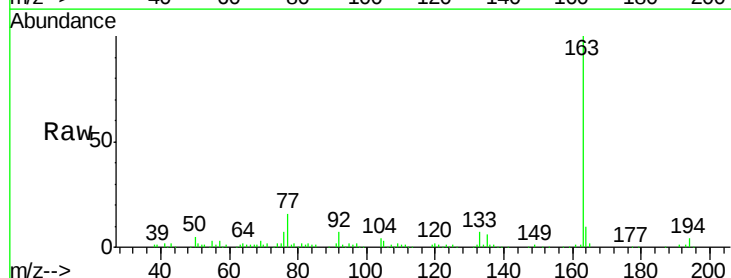


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

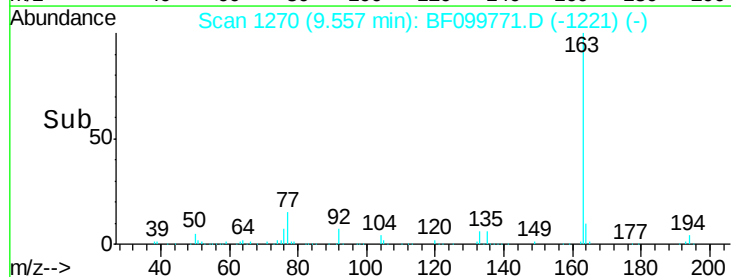
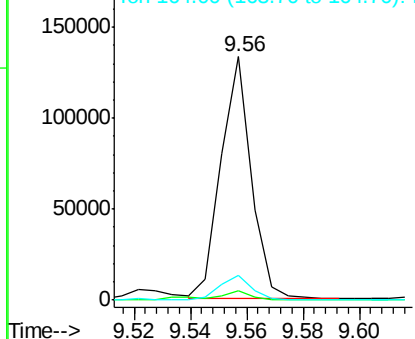


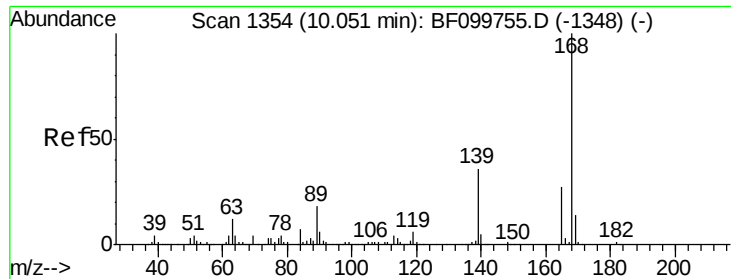
#49
Dimethylphthalate
Concen: 5.60 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Tgt Ion:163 Resp: 98872
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.0 8.2 12.2



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

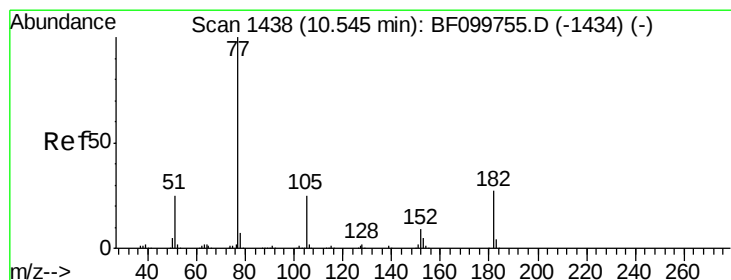
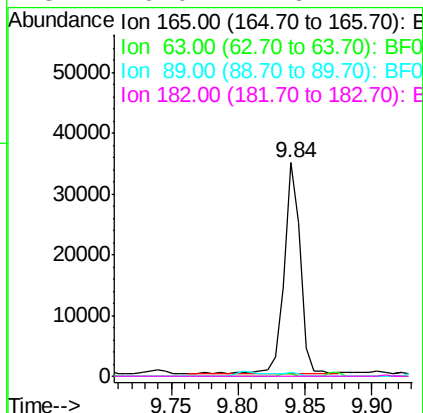
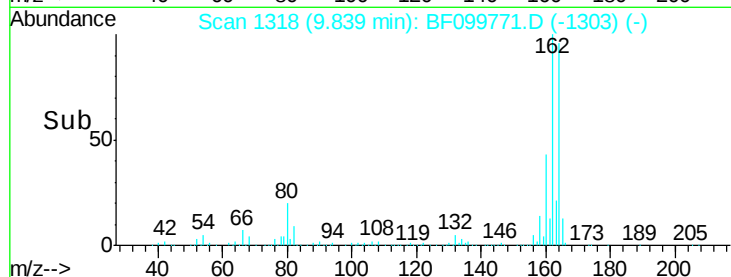
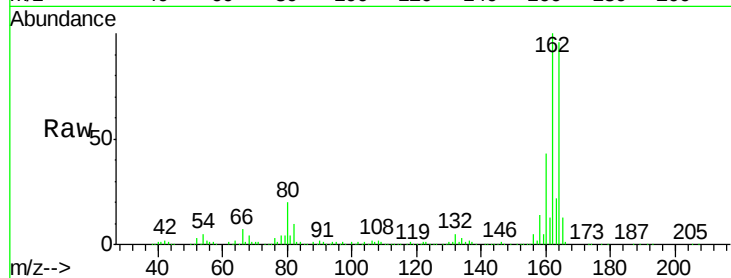




#56
 2,4-Dinitrotoluene
 Concen: 6.73 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF099771.D
 Acq: 23 Oct 2017 20:54

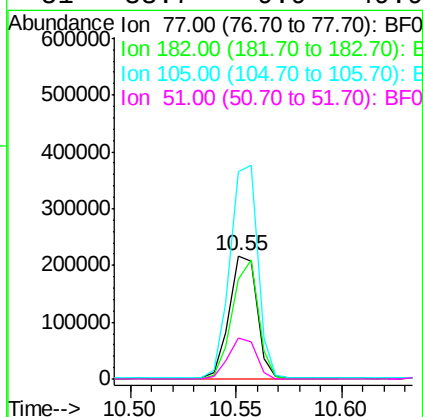
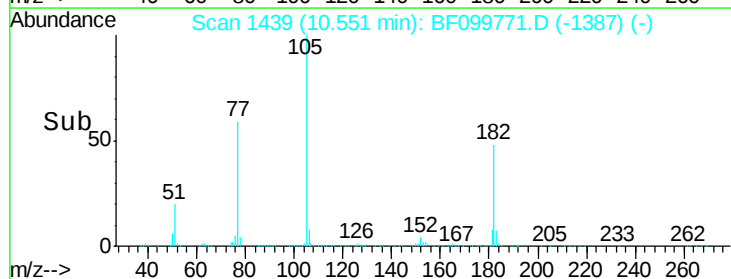
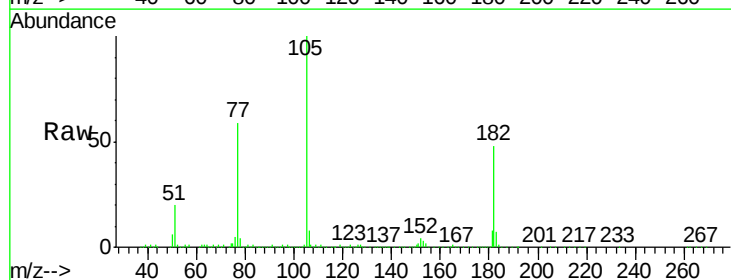
Instrument :
 BNA_F
 ClientSampleId :
 20170722-C-A-COMP1RE

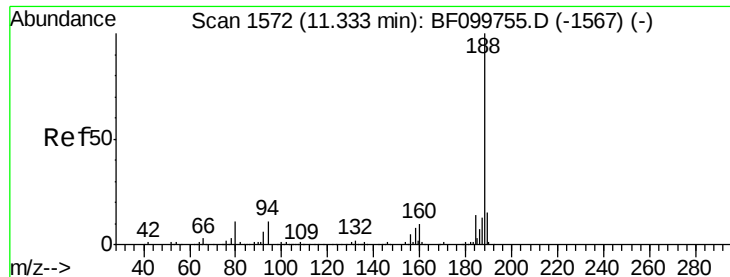
Tot Ion:	165	Resp:	30101
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 13.53 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF099771.D
 Acq: 23 Oct 2017 20:54

Tgt Ion:	77	Resp:	195783
Ion	Ratio	Lower	Upper
77	100		
182	81.0	1.7	41.7#
105	168.5	3.0	43.0#
51	33.7	9.9	49.9

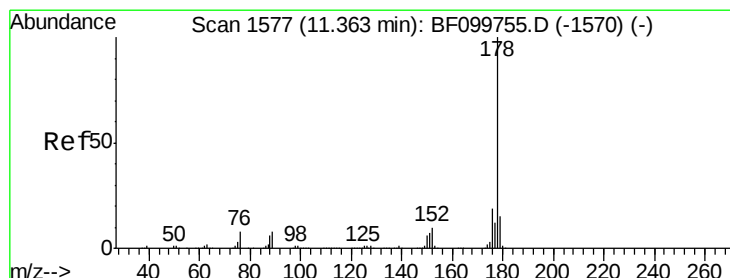
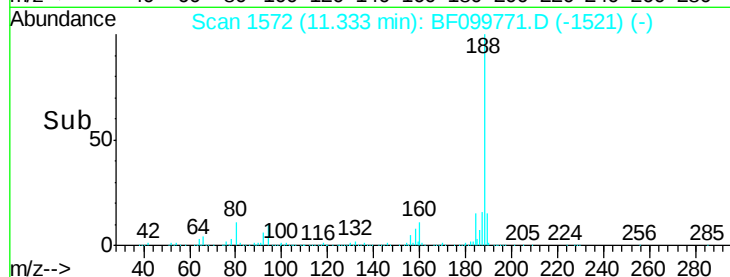
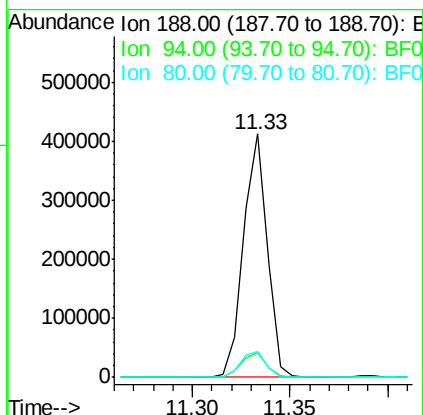
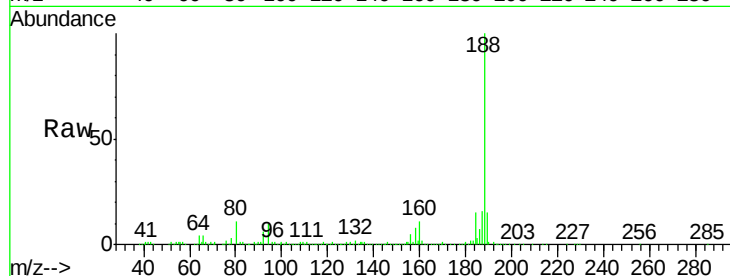




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

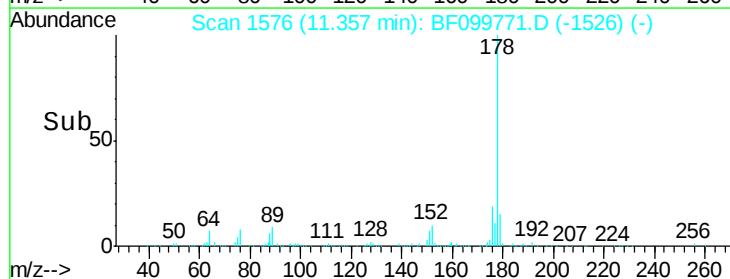
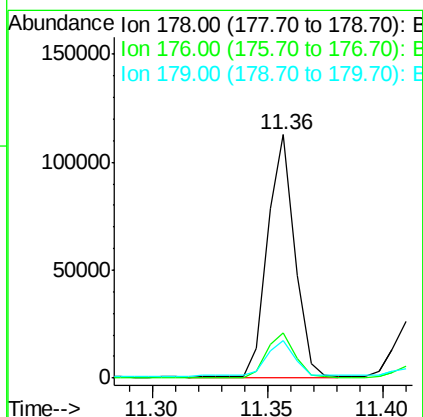
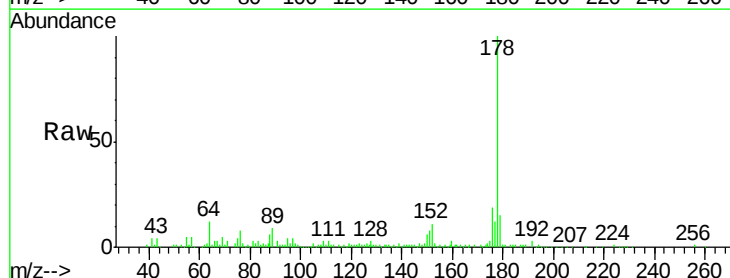
Instrument :
BNA_F
ClientSampleId :
20170722-C-A-COMP1RE

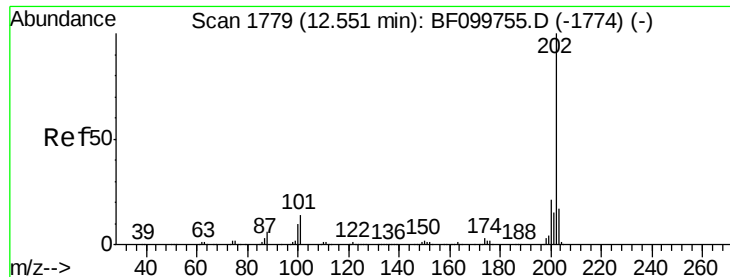
Tot Ion:188 Resp: 347804
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.8 9.2 13.8



#70
Phenanthrene
Concen: 4.69 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Tgt Ion:178 Resp: 91969
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.3 13.0 19.6





#74

Fluoranthene

Concen: 5.86 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

Instrument :

BNA_F

ClientSampleId :

20170722-C-A-COMP1RE

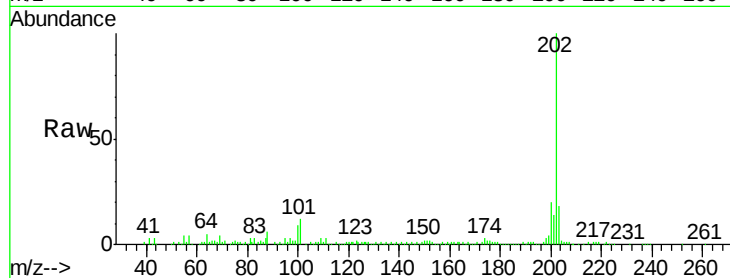
Tot Ion:202 Resp: 119512

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

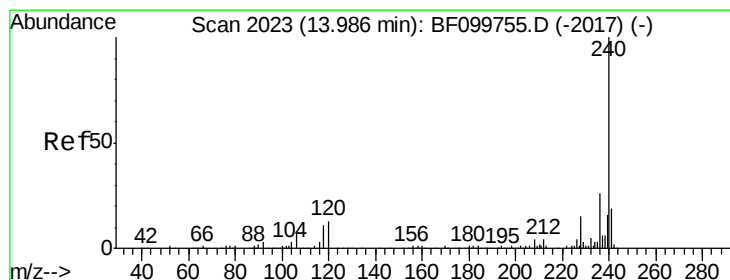
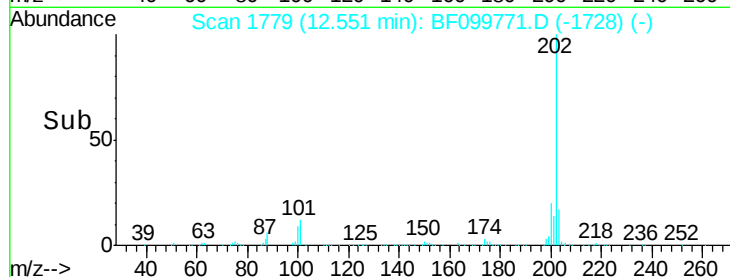
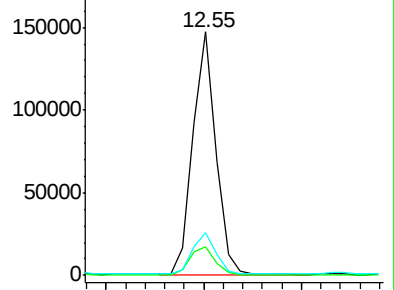
203 17.6 0.0 38.1



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: 20.00 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

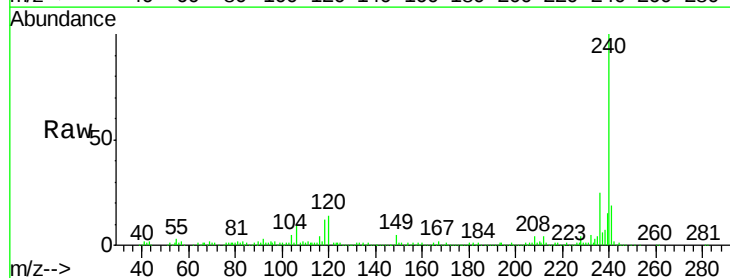
Tgt Ion:240 Resp: 196585

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

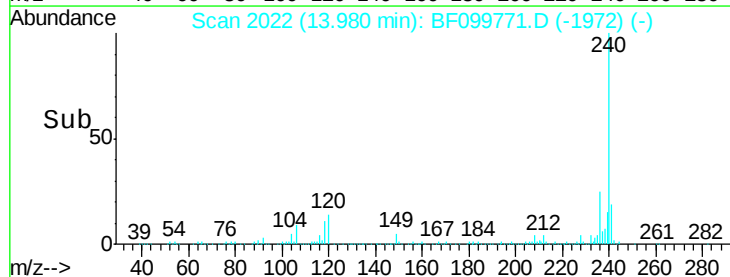
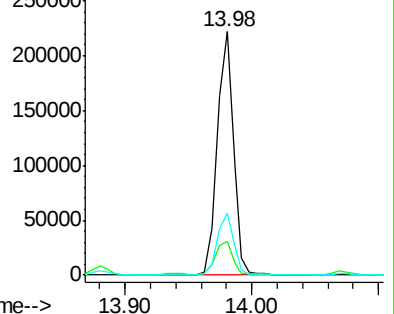
236 25.2 20.7 31.1

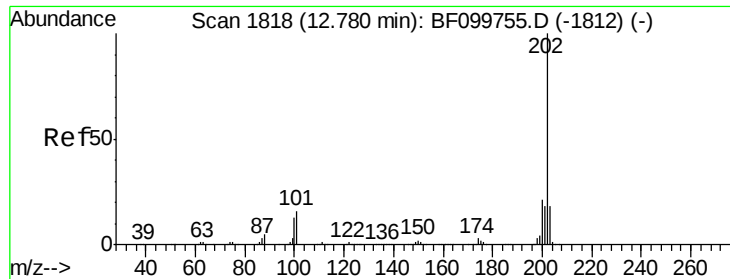


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.64 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

Instrument :

BNA_F

ClientSampleId :

20170722-C-A-COMP1RE

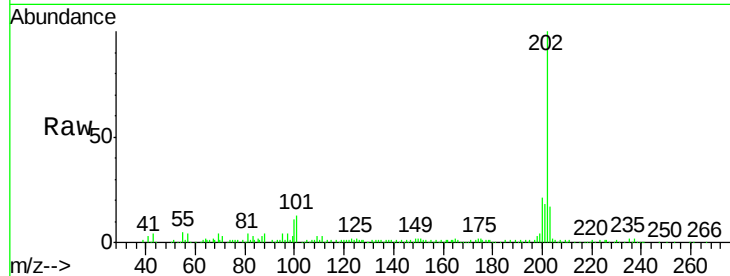
Tot Ion:202 Resp: 114241

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

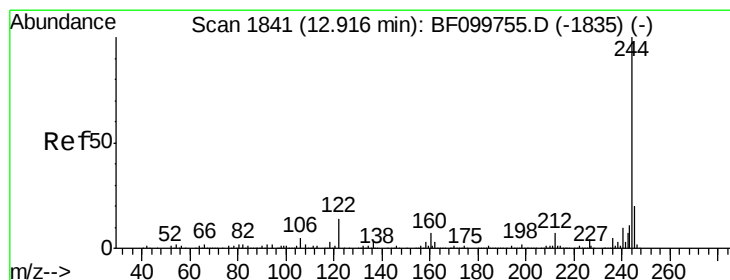
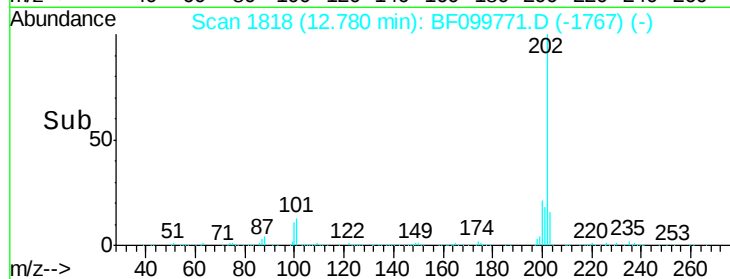
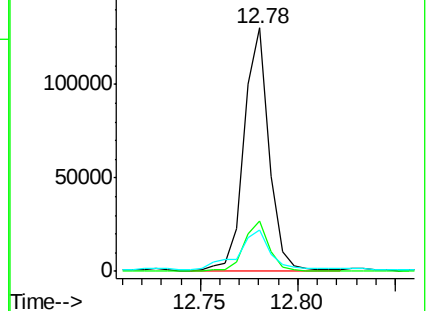
203 17.0 14.3 21.5



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: 63.76 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

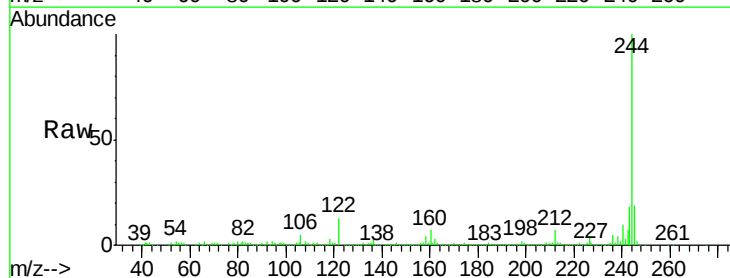
Tgt Ion:244 Resp: 573581

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

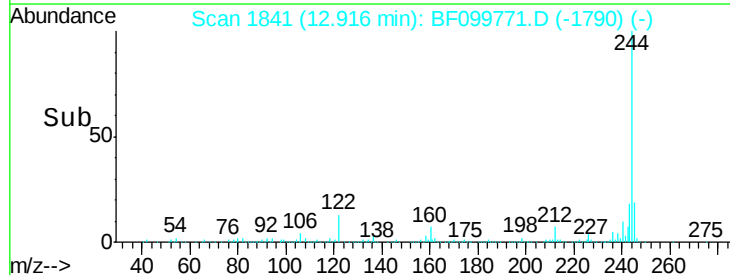
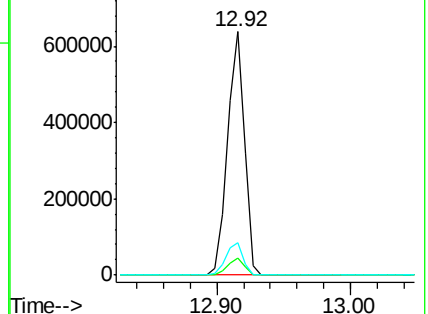
122 13.5 11.0 16.4

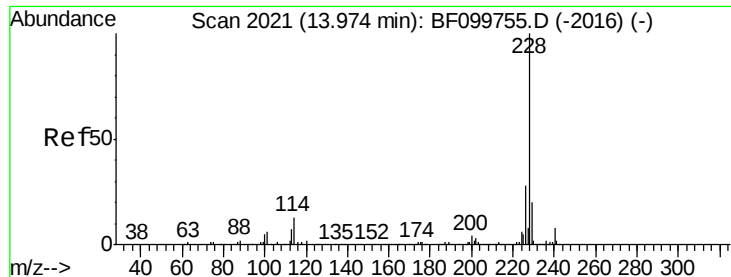


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

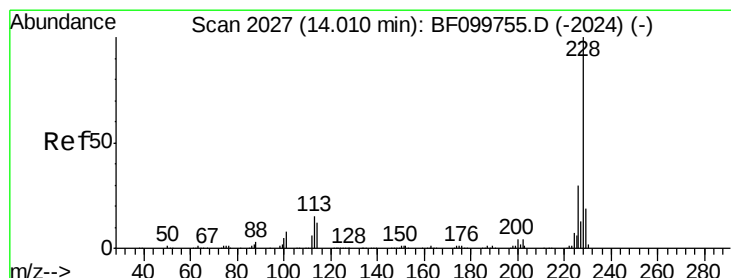
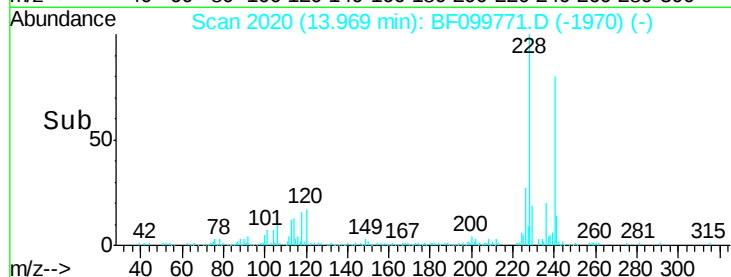
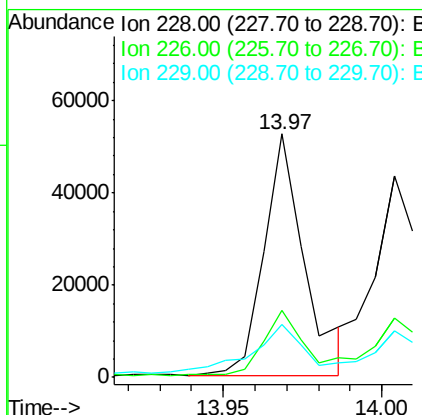
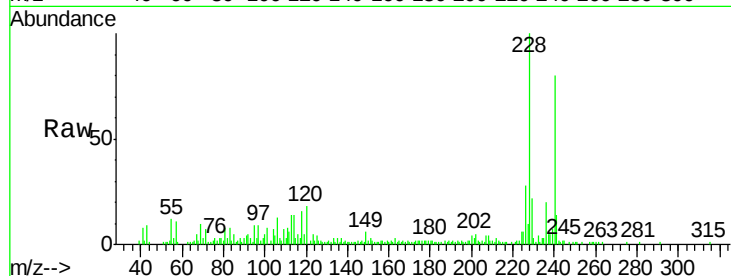




#80
Benzo(a)anthracene
Concen: 3.73 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

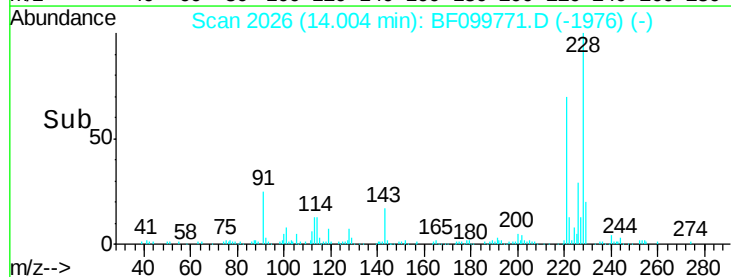
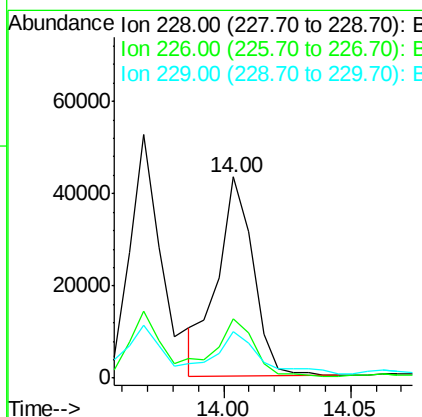
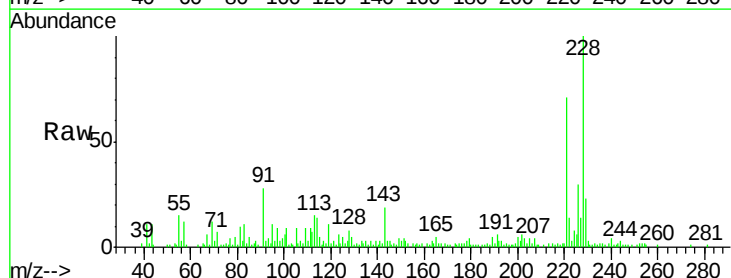
Instrument :
BNA_F
ClientSampleId :
20170722-C-A-COMP1RE

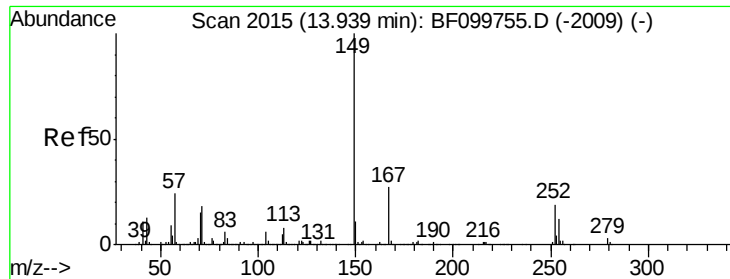
Tot Ion:228 Resp: 46428
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 3.61 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Tgt Ion:228 Resp: 42339
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 23.0 16.2 24.4

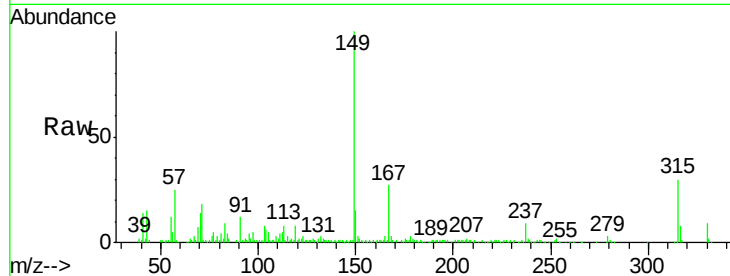




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.86 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: BF099771.D
 Acq: 23 Oct 2017 20:54

Instrument :
 BNA_F
 ClientSampleId :
 20170722-C-A-COMP1RE

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	3.4	3.0	4.4

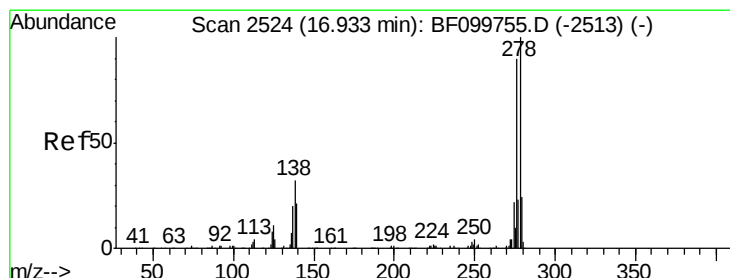
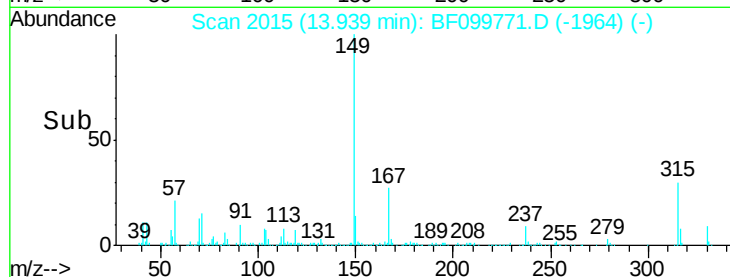
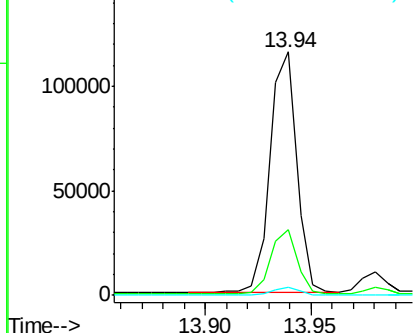


Abundance

Ion 149.00 (148.70 to 149.70): E

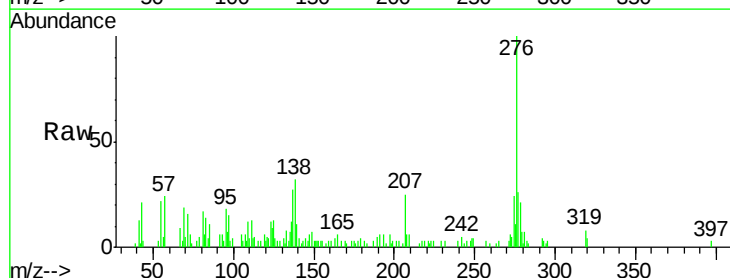
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.49 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BF099771.D
 Acq: 23 Oct 2017 20:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	25.0	37.6
277	27.0	20.1	30.1

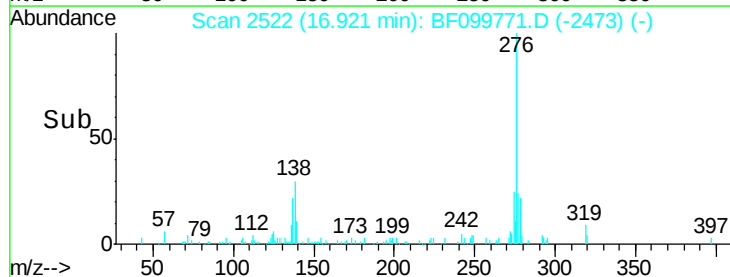
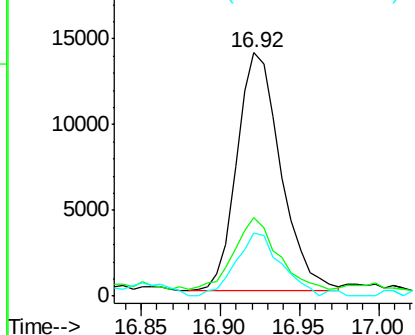


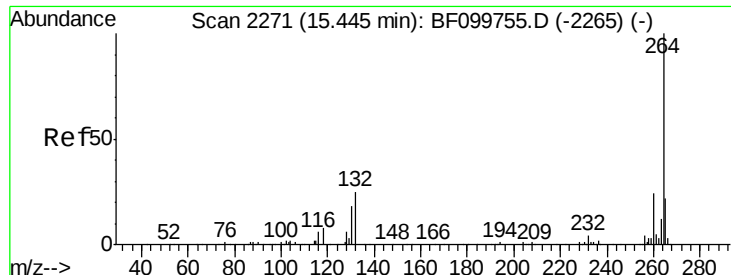
Abundance

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



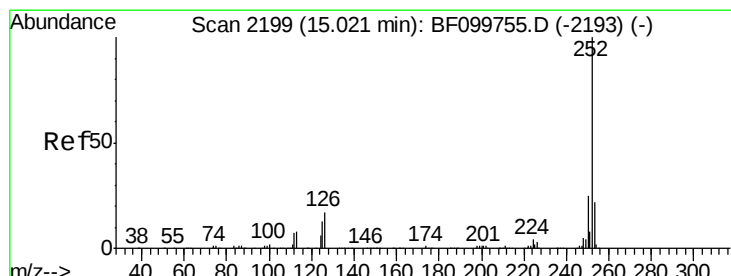
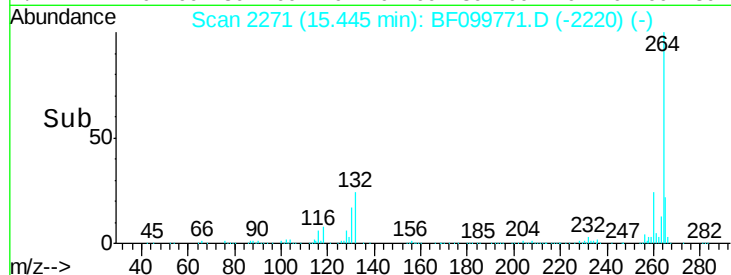
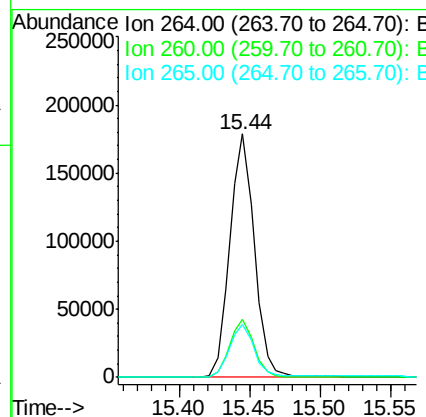
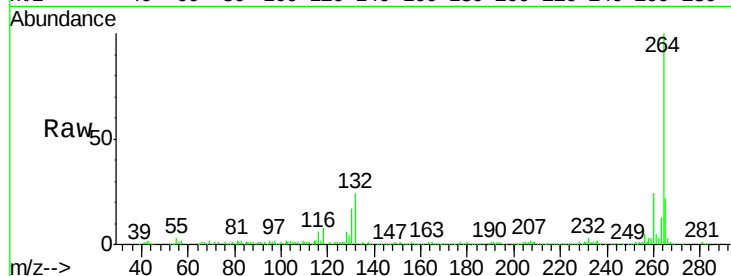


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Instrument :
BNA_F
ClientSampleId :
20170722-C-A-COMP1RE

Tot Ion:264 Resp: 216832

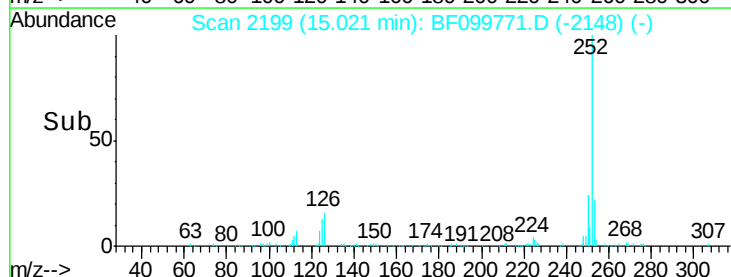
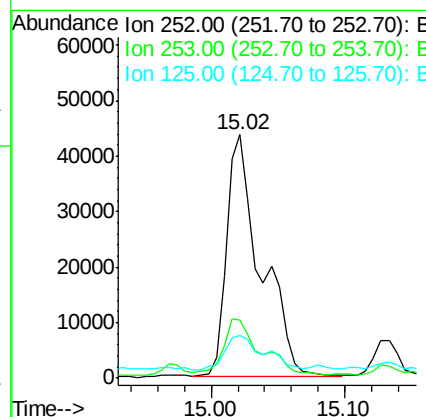
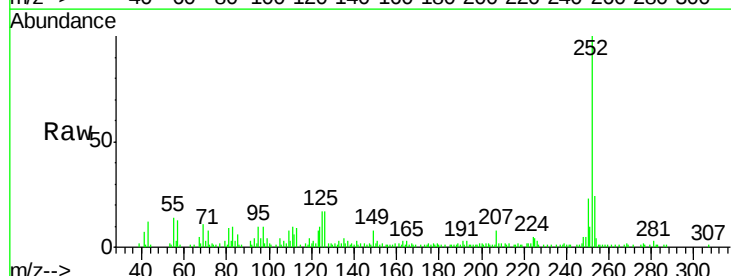
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.9	17.5	26.3

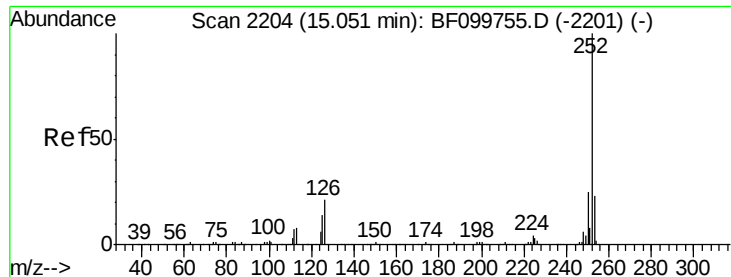


#87
Benzo(b)fluoranthene
Concen: 5.68 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF099771.D
Acq: 23 Oct 2017 20:54

Tgt Ion:252 Resp: 77787

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	17.3	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 6.02 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

Instrument :

BNA_F

ClientSampleId :

20170722-C-A-COMP1RE

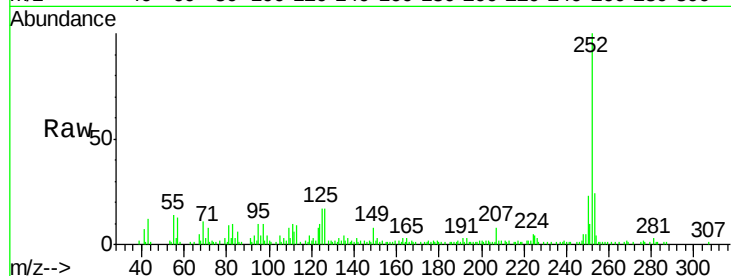
Tot Ion:252 Resp: 77787

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

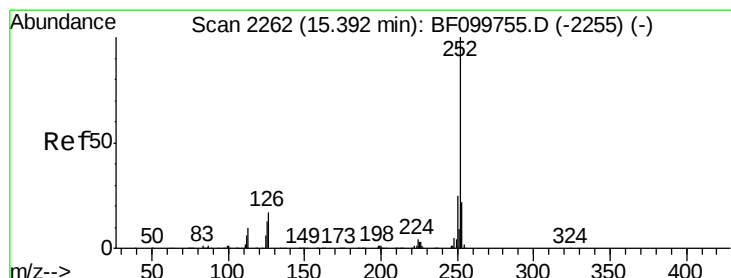
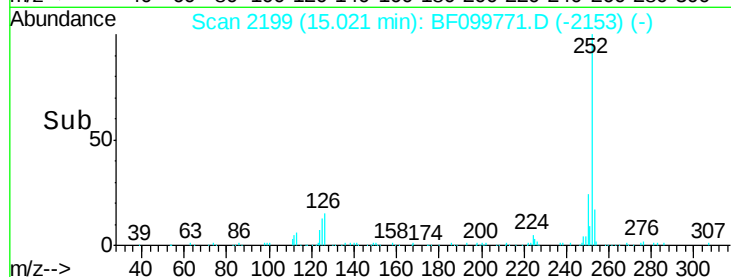
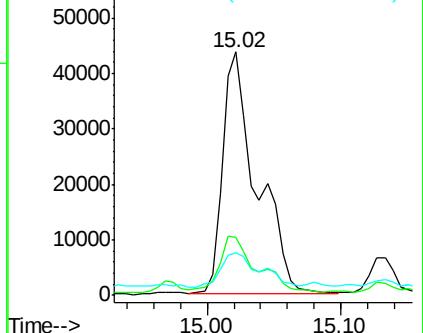
125 17.3 10.2 15.2#



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: 3.51 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

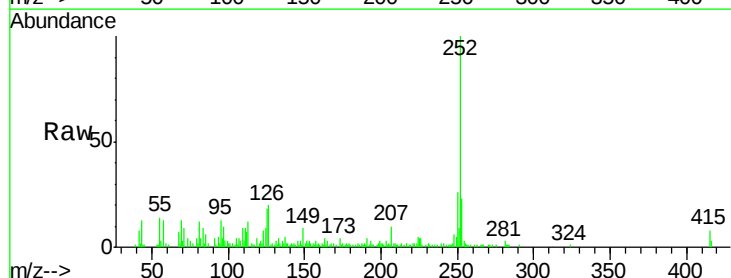
Tgt Ion:252 Resp: 43209

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

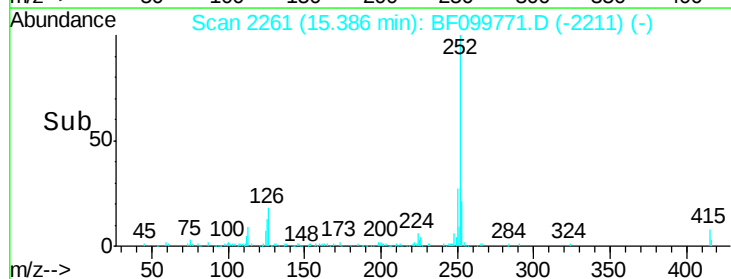
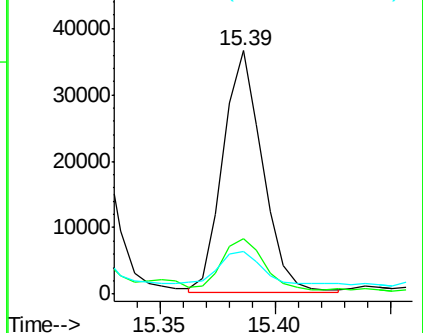
125 17.8 9.8 14.6#

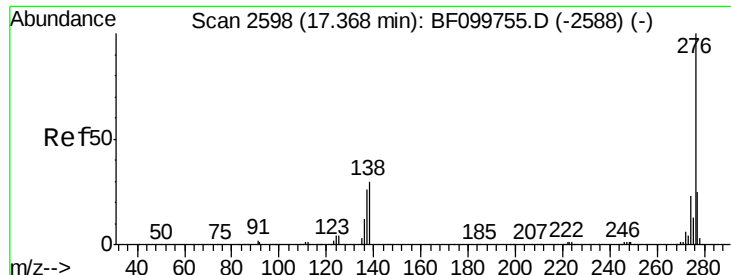


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.45 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BF099771.D

Acq: 23 Oct 2017 20:54

Instrument :

BNA_F

ClientSampleId :

20170722-C-A-COMP1RE

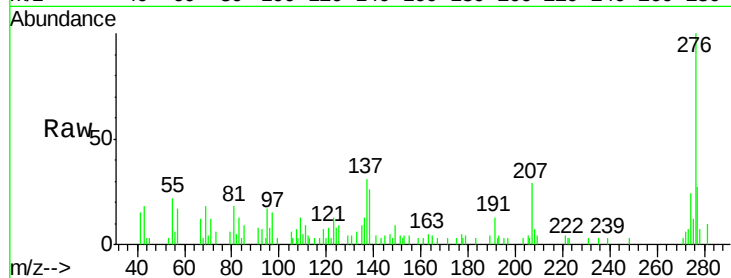
Tot Ion: 276 Resp: 26215

Ion Ratio Lower Upper

276 100

277 26.8 17.9 26.9

138 26.4 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

