

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101799.D
 Acq On : 28 Dec 2017 13:50
 Operator : SJ/JU
 Sample : I7064-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 14:25:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	145054	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	545525	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	208362	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	321456	20.00	ng	0.00
75) Chrysene-d12	13.97	240	288724	20.00	ng	0.00
86) Perylene-d12	15.44	264	277309	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	983422	100.99	ng	0.00
7) Phenol-d6	6.43	99	1147086	94.65	ng	0.00
23) Nitrobenzene-d5	7.36	82	712266	72.68	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	188106	93.69	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1010220	75.21	ng	0.00
78) Terphenyl-d14	12.89	244	707214	59.05	ng	0.00

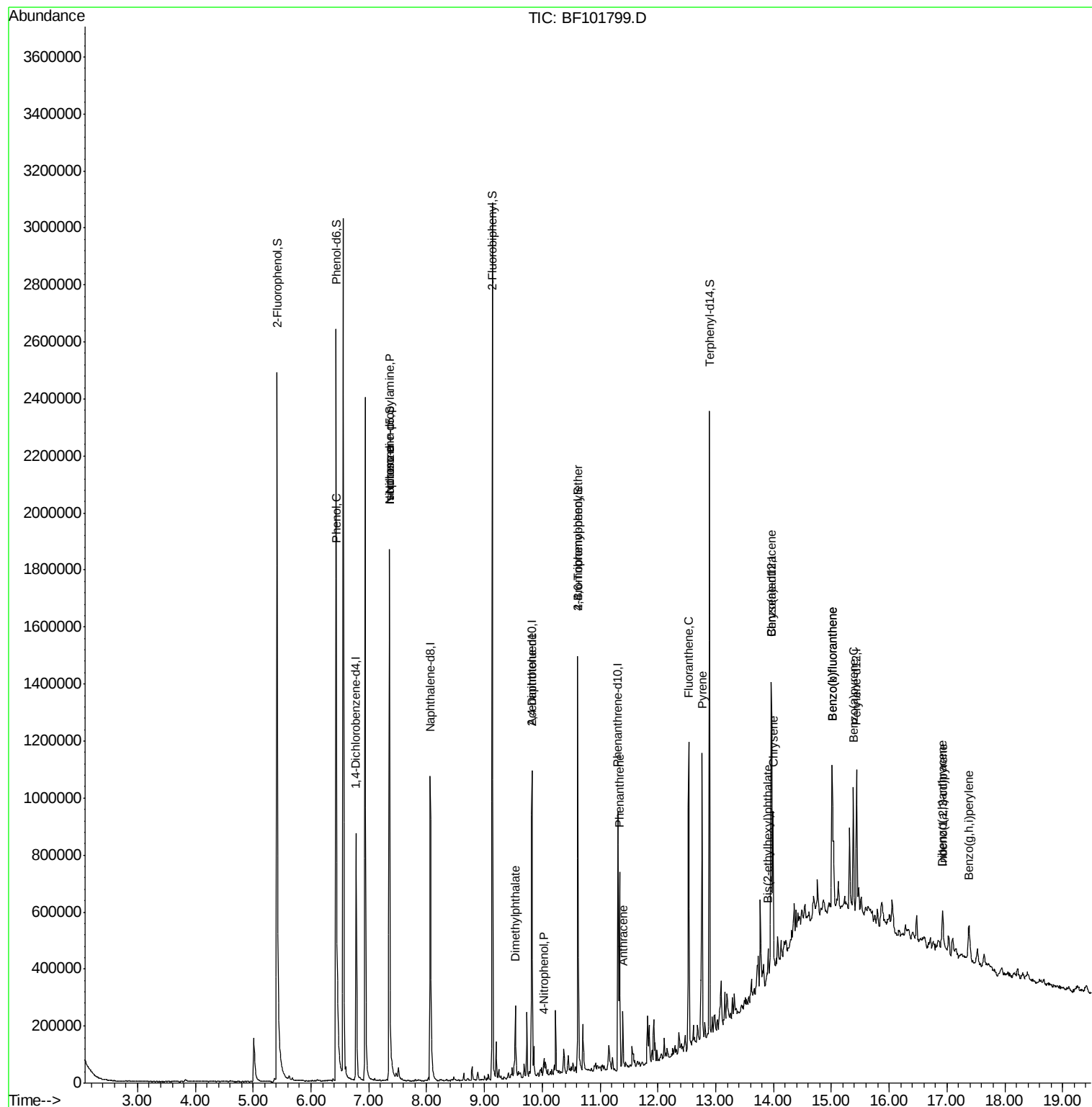
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	52643	3.811	ng	# 69
19) n-Nitroso-di-n-propylamine	7.36	70	94531	11.877	ng	# 80
25) Isophorone	7.36	82	712266	36.230	ng	# 64
49) Dimethylphthalate	9.53	163	109142	6.512	ng	# 99
55) 4-Nitrophenol	10.03	139	8635	4.663	ng	# 18
56) 2,4-Dinitrotoluene	9.82	165	27215	7.091	ng	# 23
66) 4-Bromophenyl-phenylether	10.62	248	11921	3.300	ng	# 1
70) Phenanthrene	11.34	178	280346	15.682	ng	98
71) Anthracene	11.39	178	79990	4.380	ng	97
74) Fluoranthene	12.53	202	437667	23.325	ng	97
77) Pyrene	12.76	202	405417	18.710	ng	99
80) Benzo(a)anthracene	13.96	228	239421	12.558	ng	98
82) Chrysene	13.99	228	209328	11.629	ng	98
83) Bis(2-ethylhexyl)phthalate	13.91	149	26862	2.163	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.93	276	110940	6.921	ng	# 90
87) Benzo(b)fluoranthene	15.01	252	373415	22.092	ng	96
88) Benzo(k)fluoranthene	15.01	252	373415	22.722	ng	99
89) Benzo(a)pyrene	15.38	252	194791	12.501	ng	96
90) Dibenzo(a,h)anthracene	16.92	278	32312	2.415	ng	# 82
91) Benzo(a,h,i)perylene	17.38	276	107943	8.148	ng	97

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

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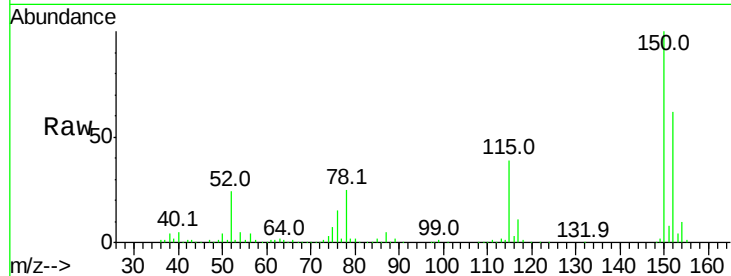


#1

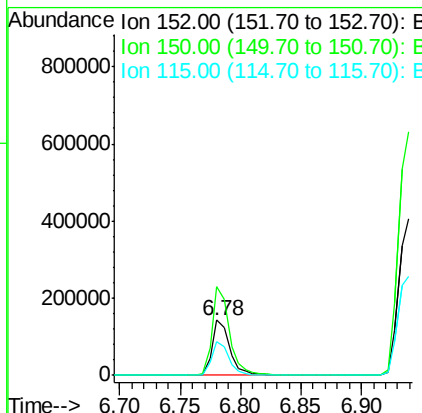
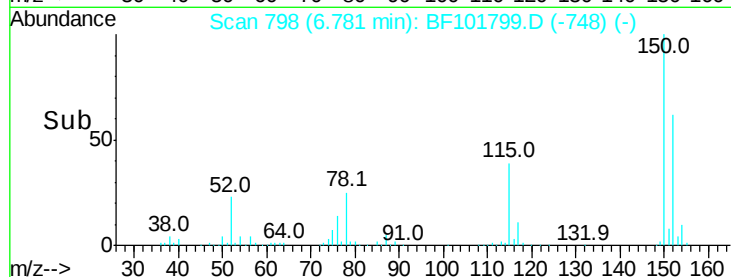
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145054
Ion Ratio Lower Upper
152 100
150 160.8 124.6 186.8
115 62.0 50.1 75.1



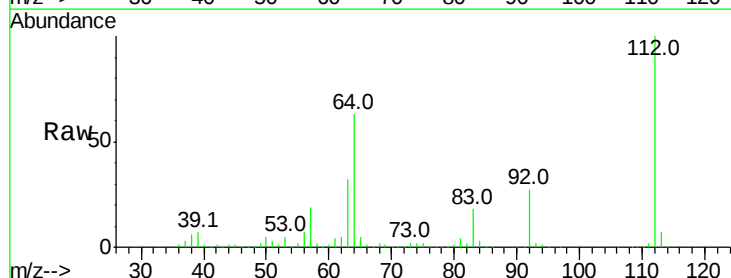
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



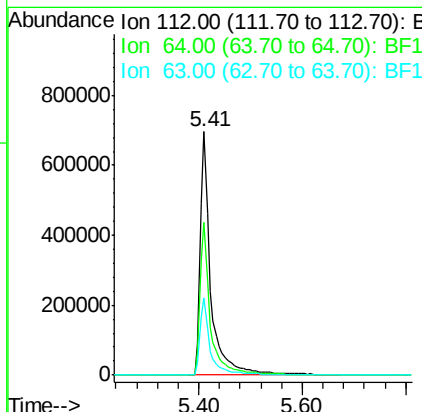
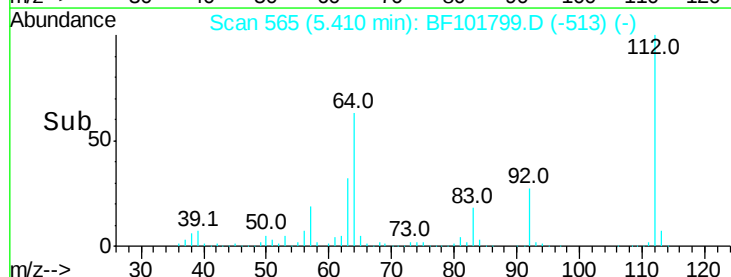
#5

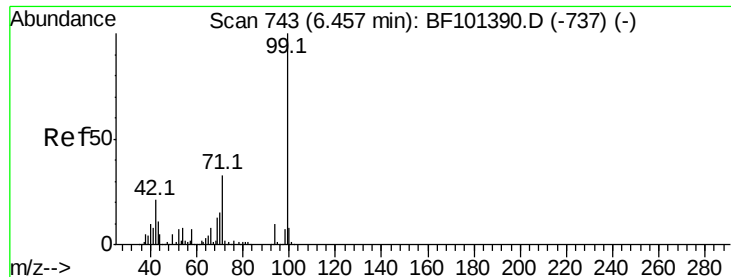
2-Fluorophenol
Concen: 100.989 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion:112 Resp: 983422
Ion Ratio Lower Upper
112 100
64 62.9 47.9 71.9
63 32.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.650 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

ClientSampleId :

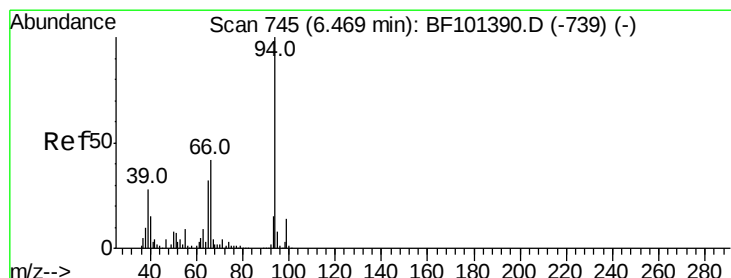
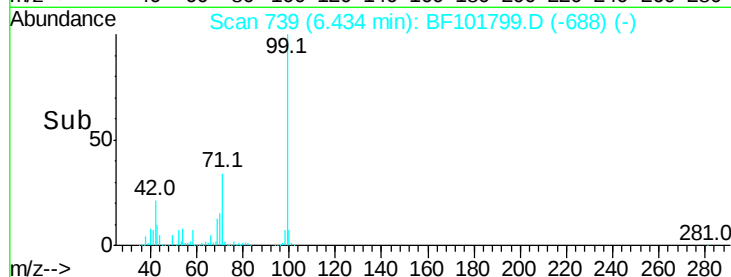
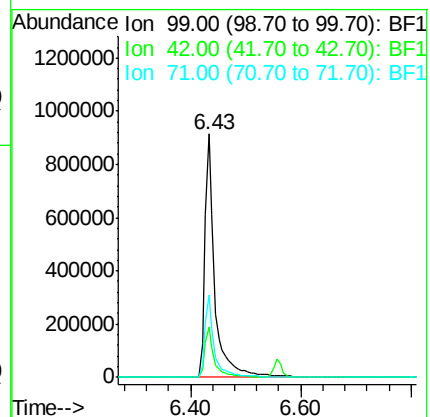
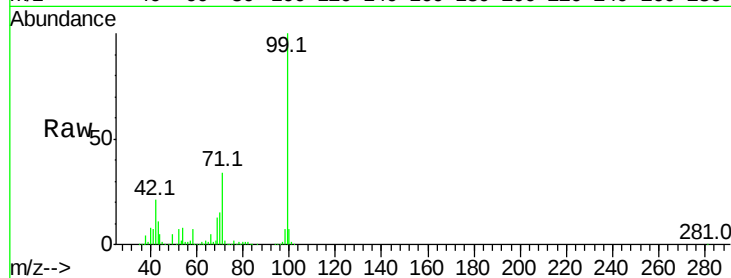
Tot Ion: 99 Resp: 1147086

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 33.8 25.4 38.0



#10

Phenol

Concen: 3.811 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

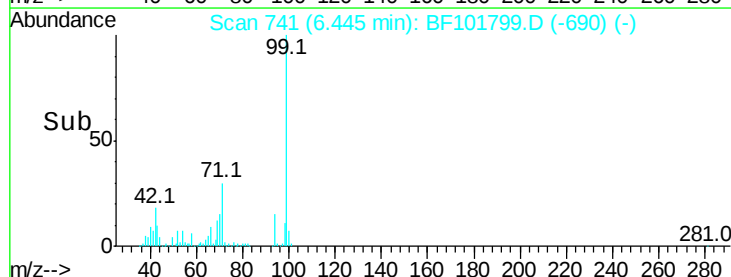
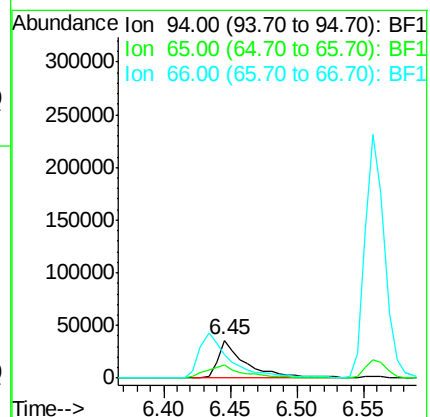
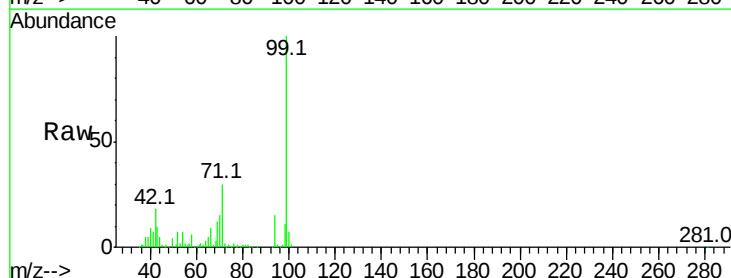
Tgt Ion: 94 Resp: 52643

Ion Ratio Lower Upper

94 100

65 35.4 7.9 47.9

66 61.6 16.2 56.2#





#19

n-Nitroso-di-n-propylamine

Concen: 11.877 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

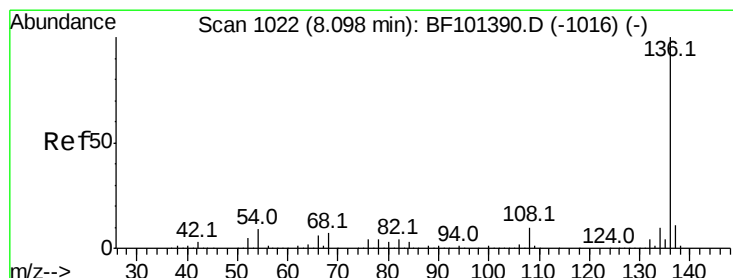
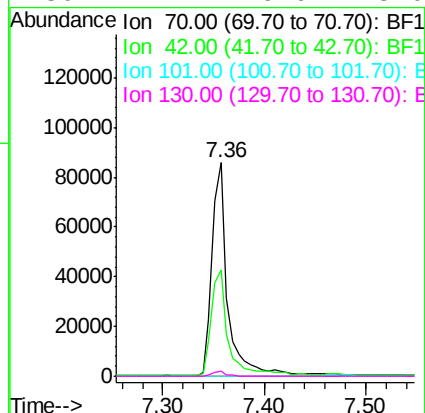
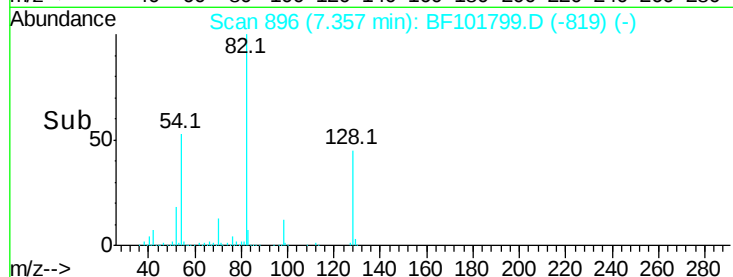
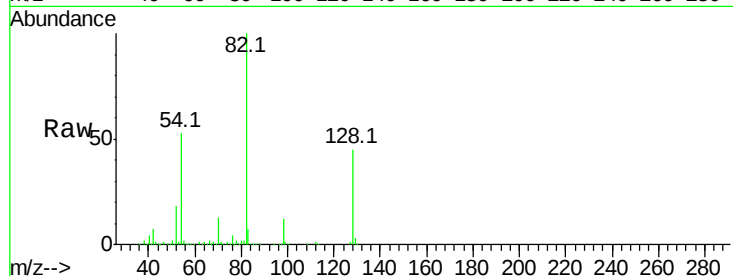
Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 94531

Ion	Ratio	Lower	Upper
70	100		
42	49.9	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

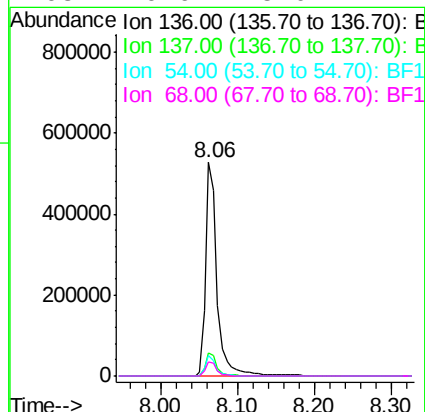
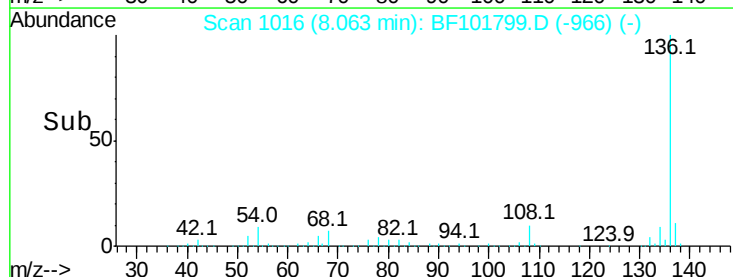
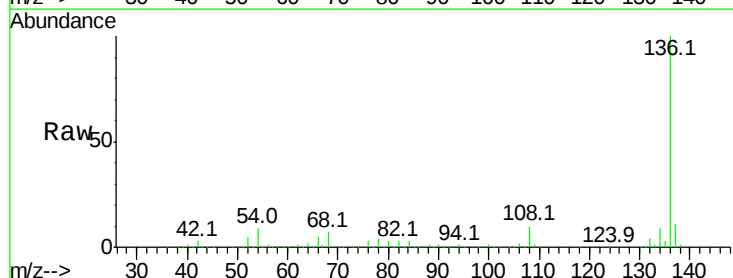
Delta R.T. -0.01 min

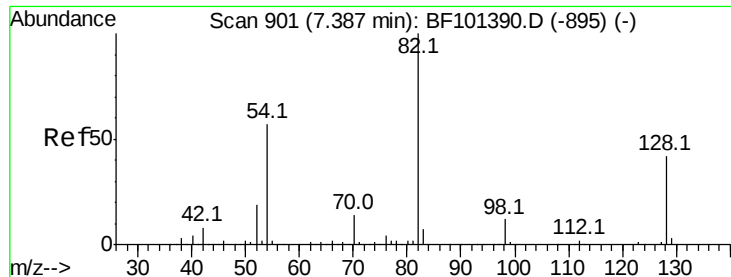
Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Tgt Ion: 136 Resp: 545525

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	6.6	5.0	7.4

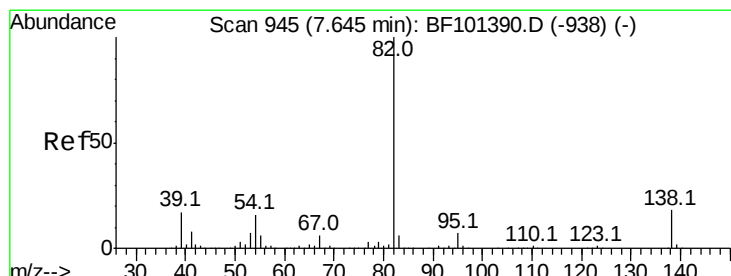
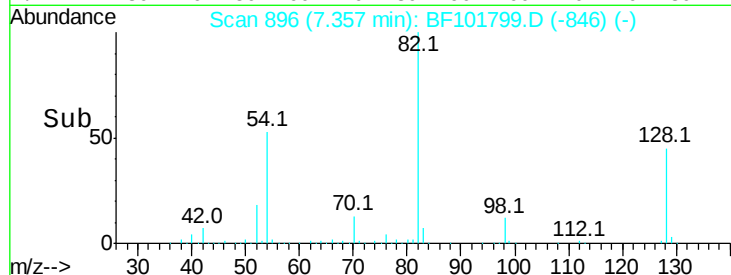
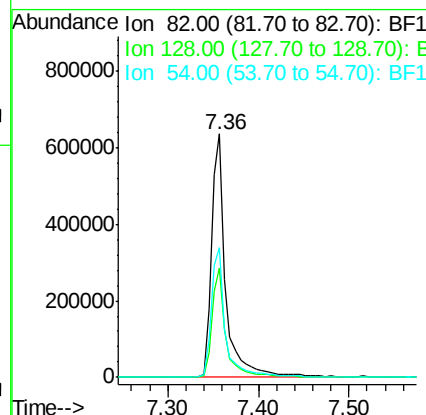
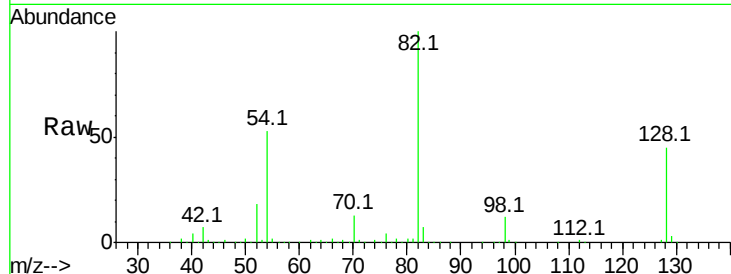




#23
 Nitrobenzene-d5
 Concen: 72.680 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101799.D
 Acq: 28 Dec 2017 13:50

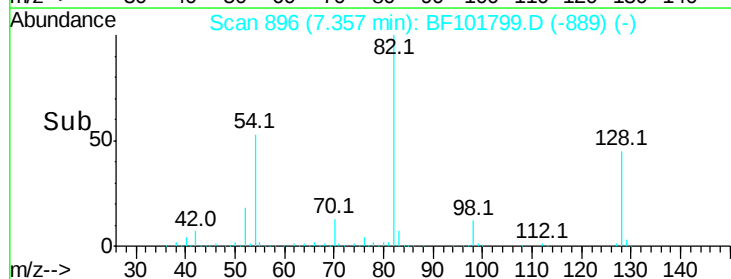
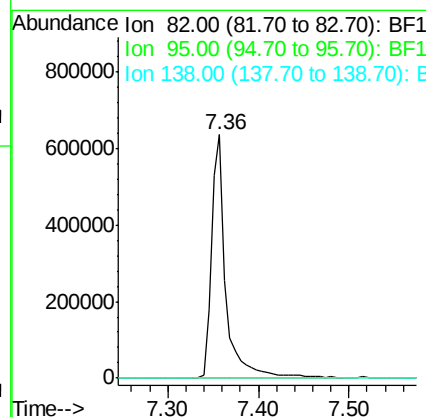
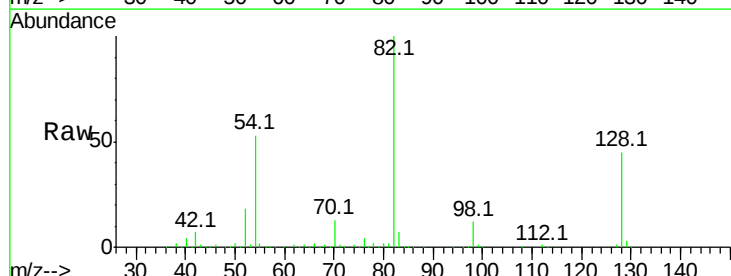
Instrument :
 BNA_F
 ClientSampled :

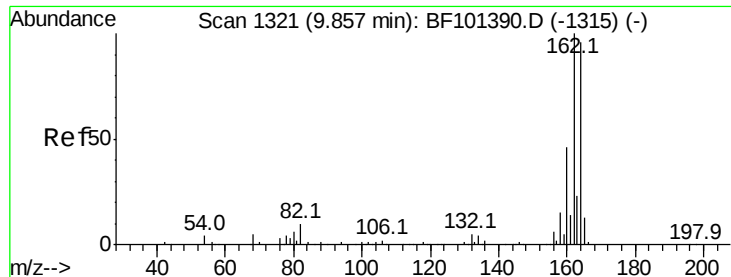
Tot Ion	82	Resp	712266
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	53.3	41.4	62.2



#25
 Isophorone
 Concen: 36.230 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF101799.D
 Acq: 28 Dec 2017 13:50

Tgt Ion	82	Resp	712266
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.0	14.9	22.3#
138	0.0		





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

ClientSampleId :

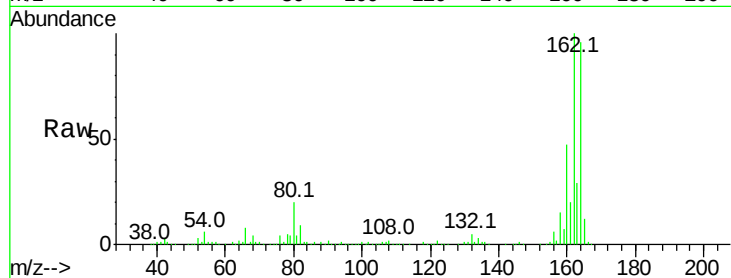
Tot Ion:164 Resp: 208362

Ion Ratio Lower Upper

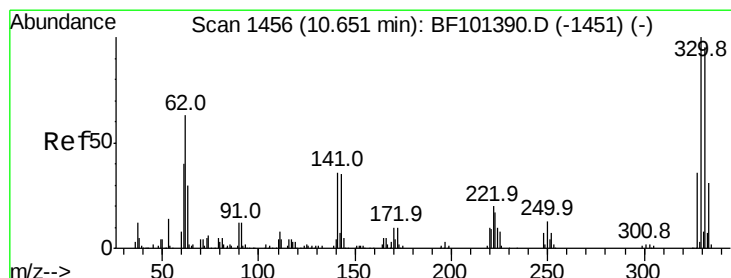
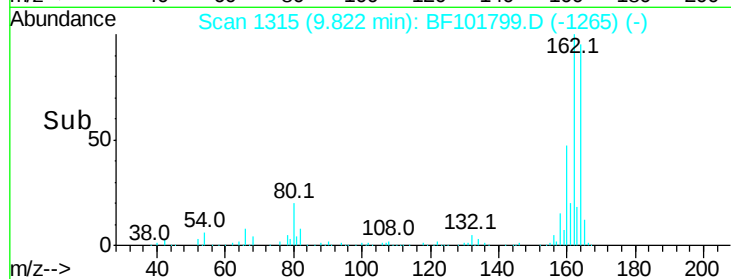
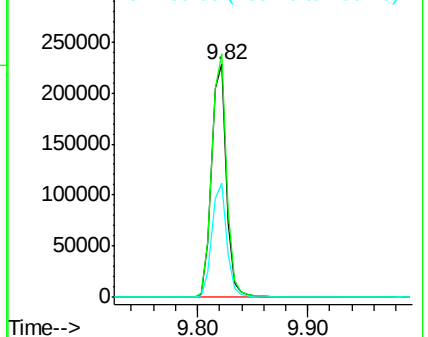
164 100

162 104.3 86.1 129.1

160 48.7 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: 93.691 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

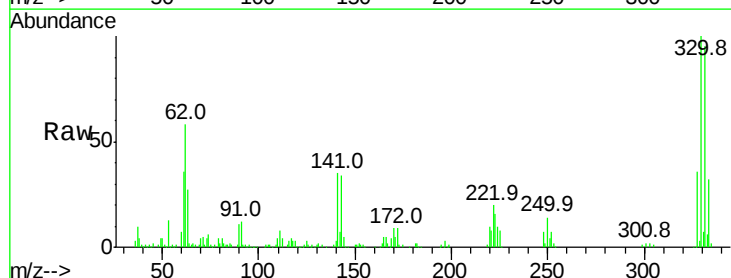
Tgt Ion:330 Resp: 188106

Ion Ratio Lower Upper

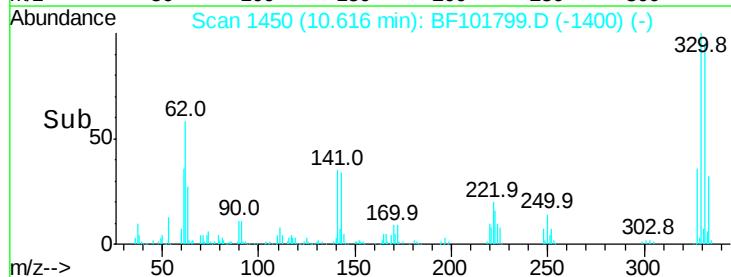
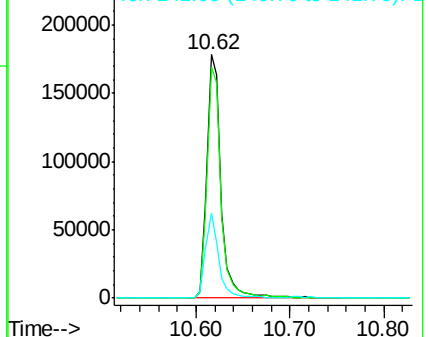
330 100

332 95.0 77.0 115.6

141 33.3 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

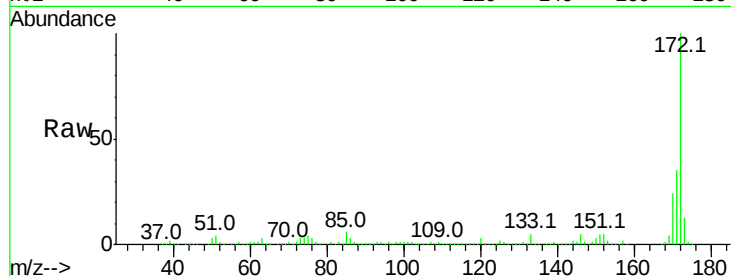




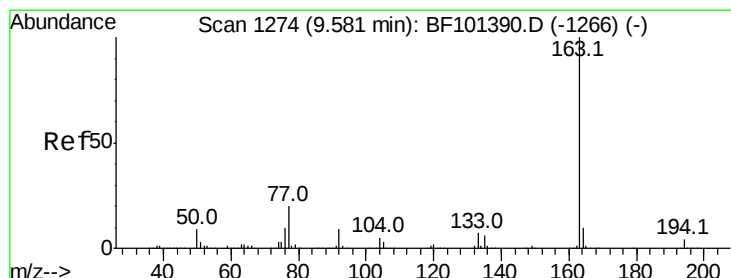
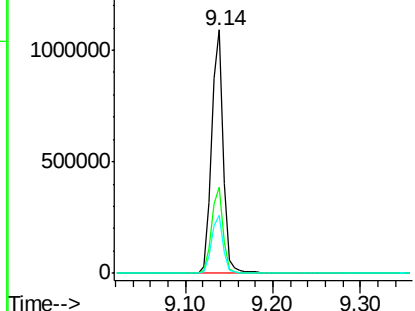
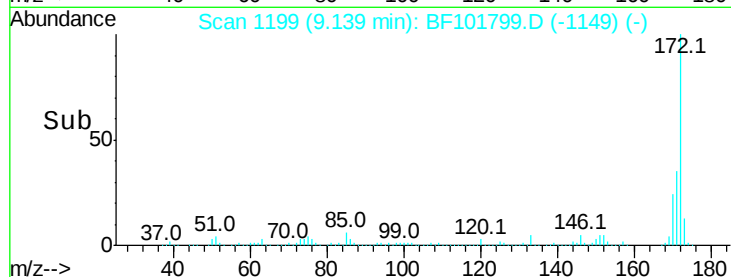
#44
2-Fluorobiphenyl
Concen: 75.210 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1010220
Ion Ratio Lower Upper
172 100
171 35.2 29.7 44.5
170 23.8 19.6 29.4

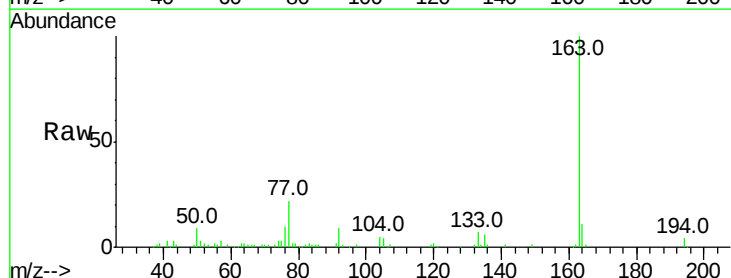


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

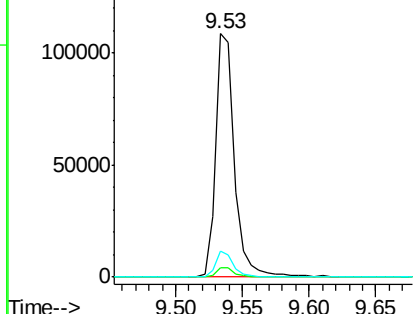
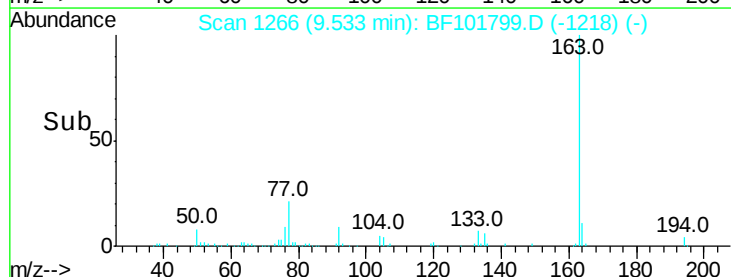


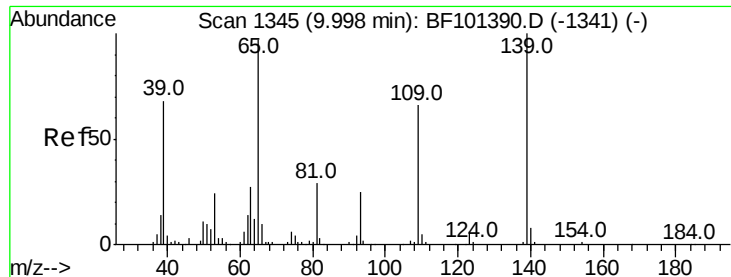
#49
Dimethylphthalate
Concen: 6.512 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion:163 Resp: 109142
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.8 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





#55

4-Nitrophenol

Concen: 4.663 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.05 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

ClientSampleId :

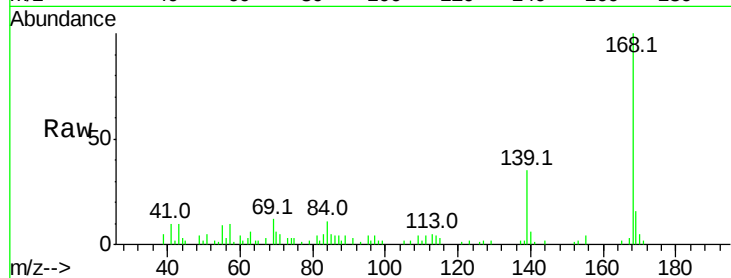
Tot Ion:139 Resp: 8635

Ion Ratio Lower Upper

139 100

109 11.3 48.4 88.4#

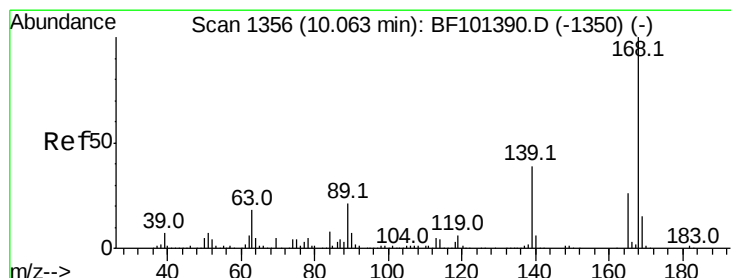
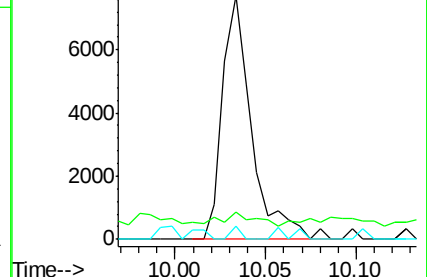
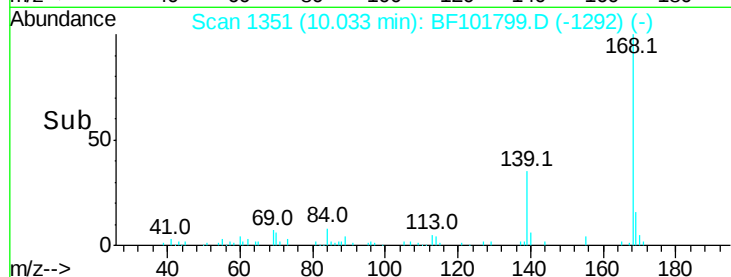
65 5.3 72.6 112.6#



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): BF1



#56

2,4-Dinitrotoluene

Concen: 7.091 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.22 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Tgt Ion:165 Resp: 27215

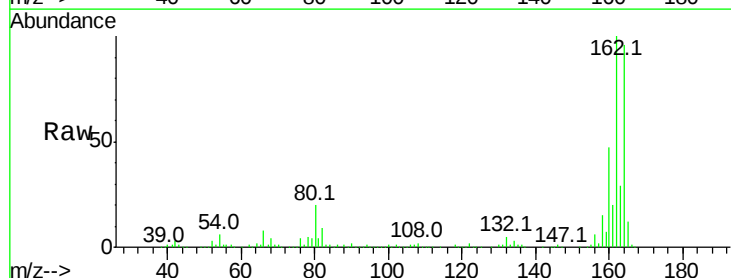
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

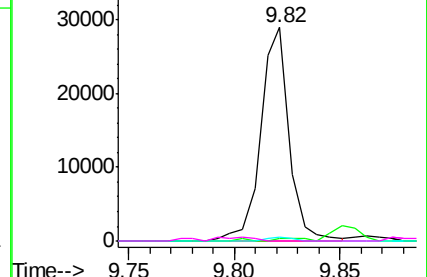
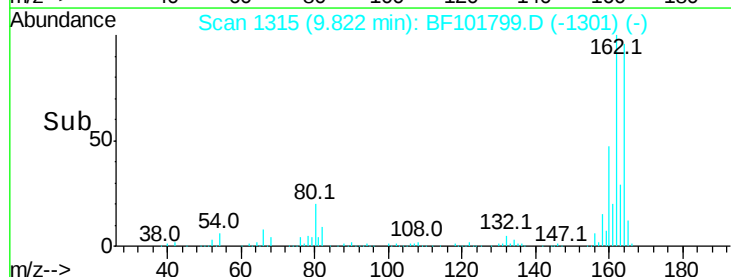


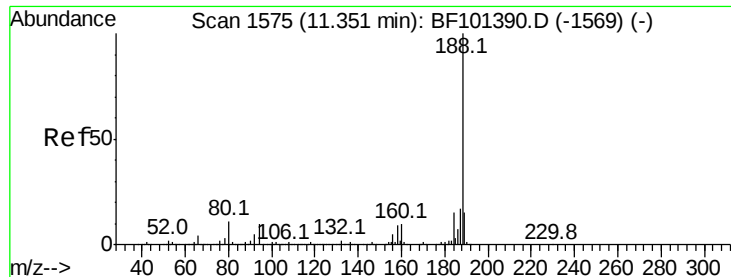
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

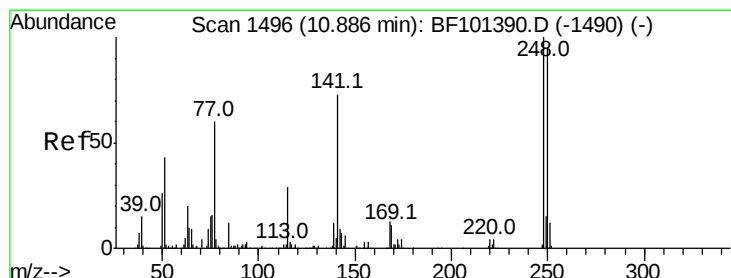
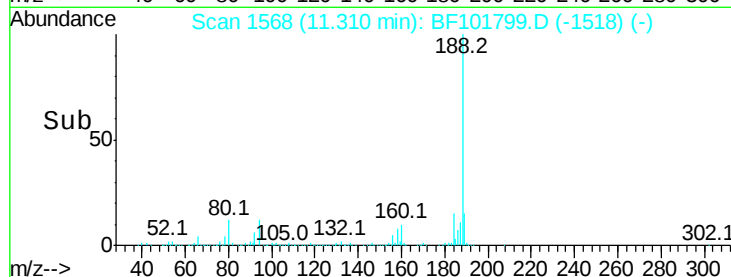
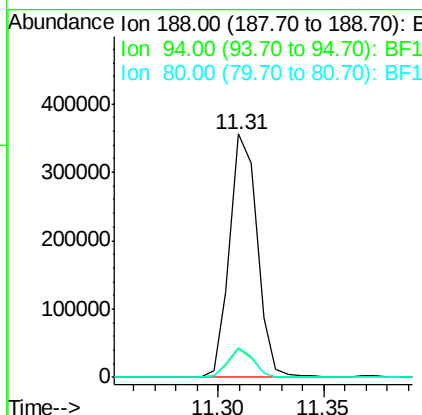
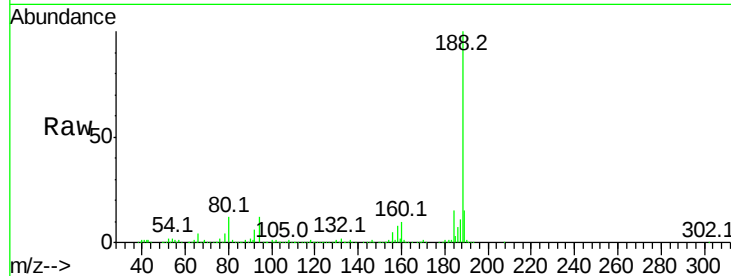




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

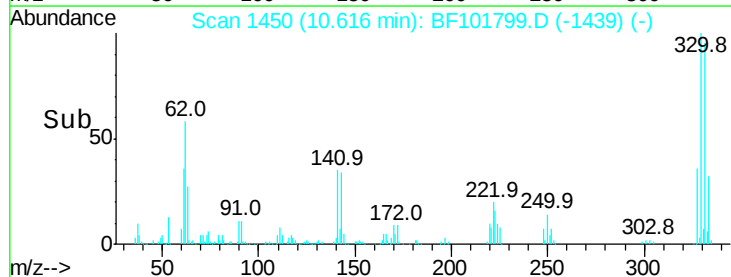
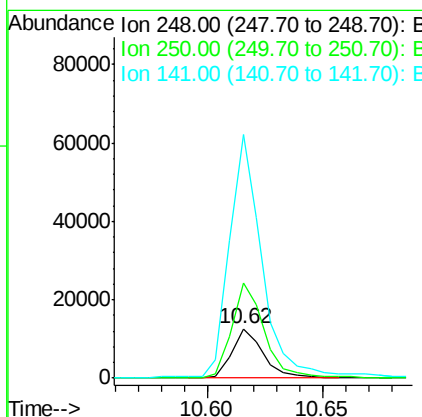
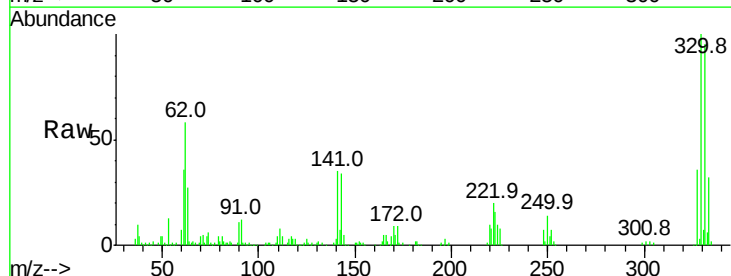
Instrument :
BNA_F
ClientSampleId :

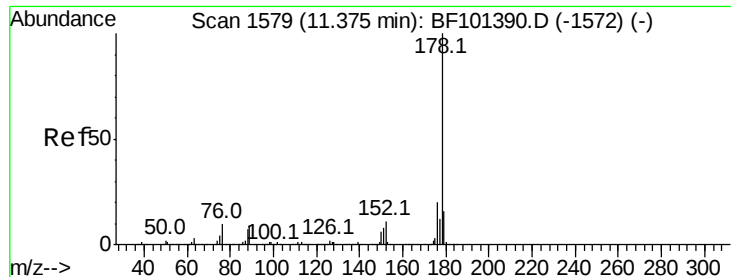
Tot Ion:188 Resp: 321456
Ion Ratio Lower Upper
188 100
94 12.0 8.5 12.7
80 12.4 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.300 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion:248 Resp: 11921
Ion Ratio Lower Upper
248 100
250 193.8 76.9 115.3#
141 495.0 74.4 111.6#





#70

Phenanthrene

Concen: 15.682 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

ClientSampleId :

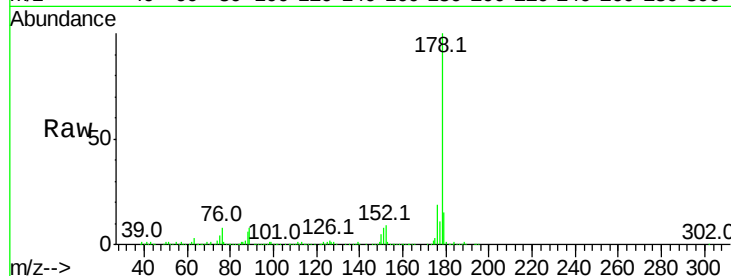
Tot Ion:178 Resp: 280346

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

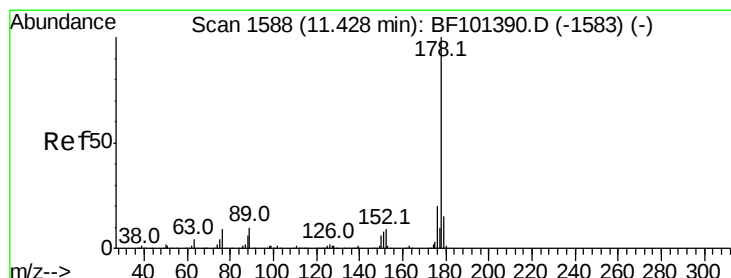
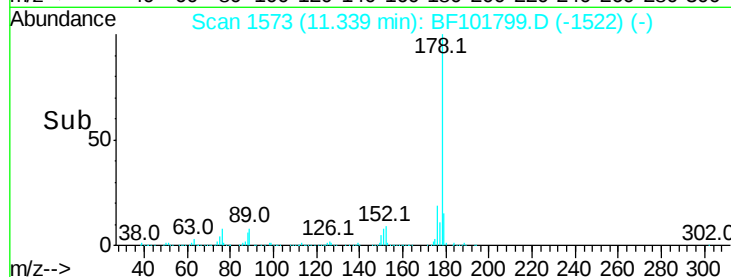
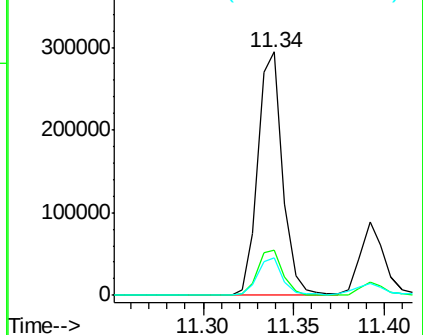
179 15.4 13.0 19.6



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: 4.380 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

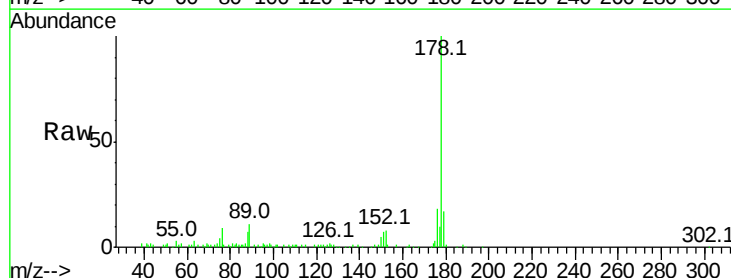
Tgt Ion:178 Resp: 79990

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

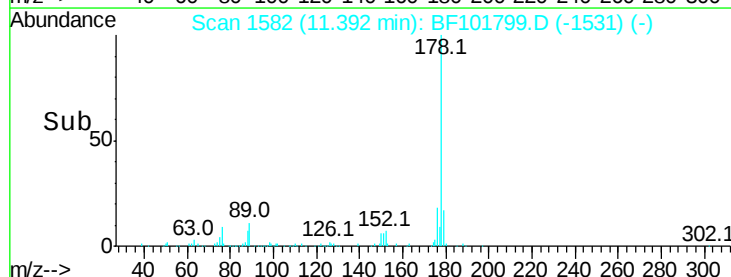
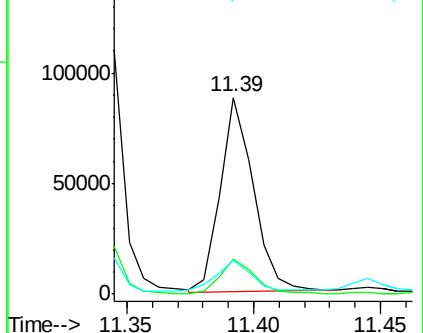
179 16.9 12.6 19.0

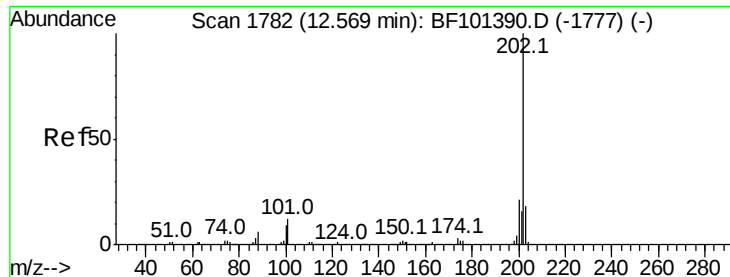


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 23.325 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

ClientSampleId :

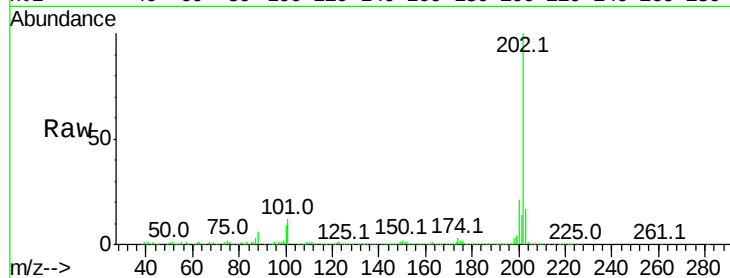
Tot Ion:202 Resp: 437667

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

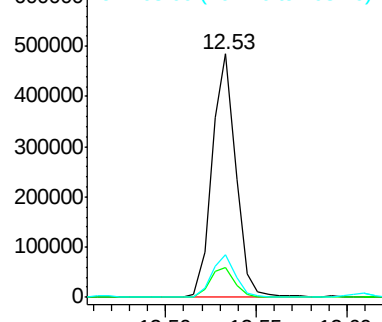
203 17.4 0.0 38.1



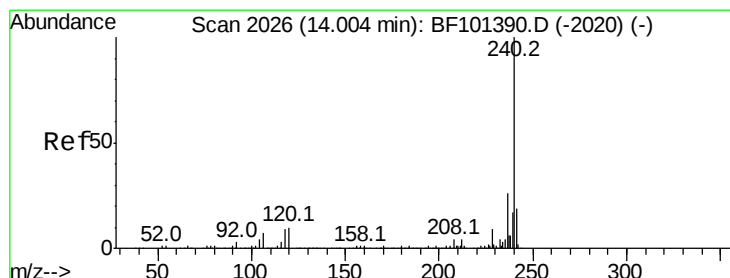
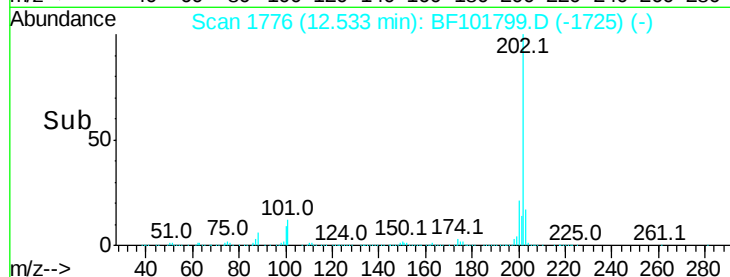
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

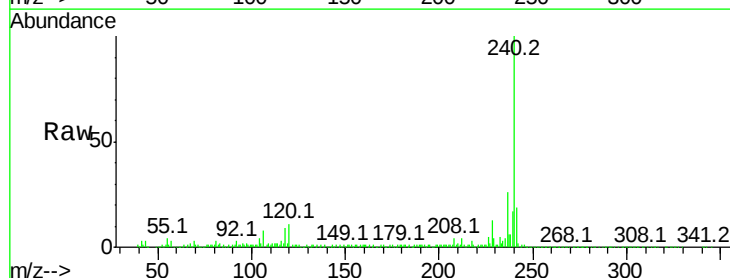
Tgt Ion:240 Resp: 288724

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

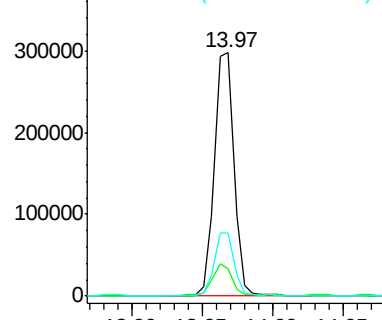
236 26.0 20.7 31.1



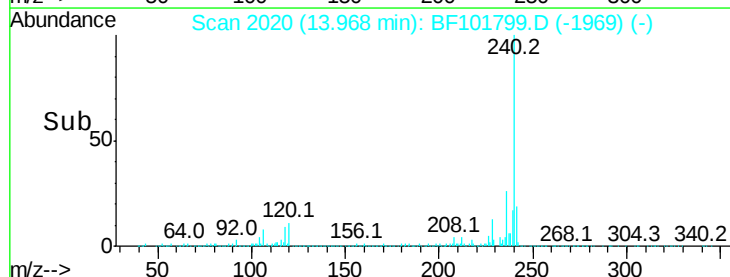
Abundance Ion 240.00 (239.70 to 240.70): E

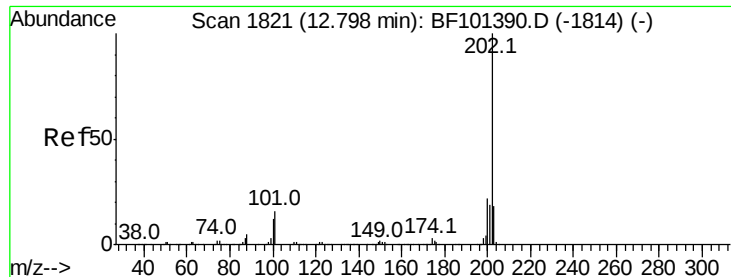
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 18.710 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

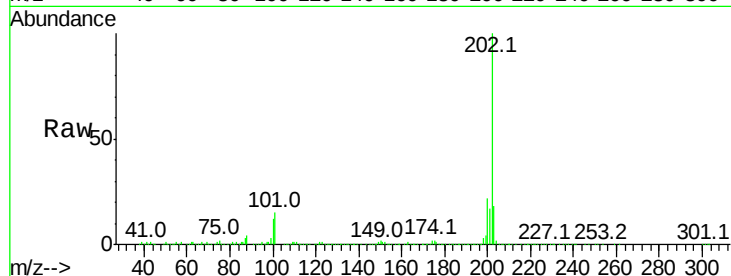
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 405417

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.6	14.3	21.5

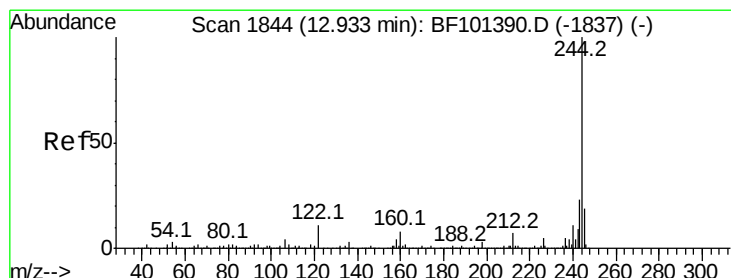
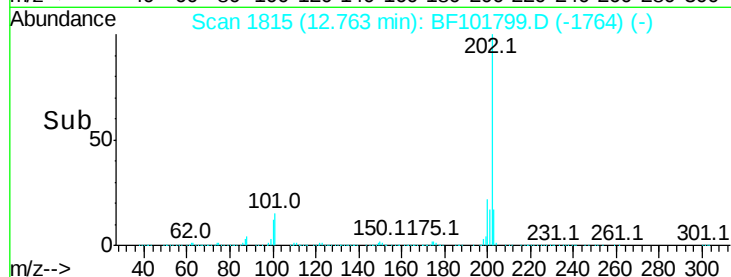
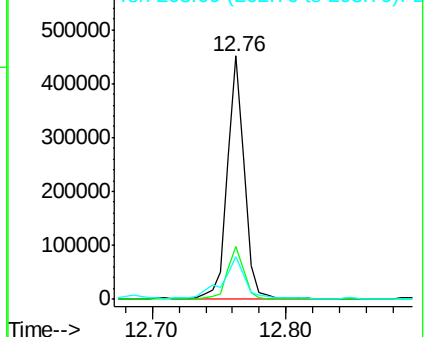


Abundance

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: 59.051 ng

RT: 12.89 min Scan# 1837

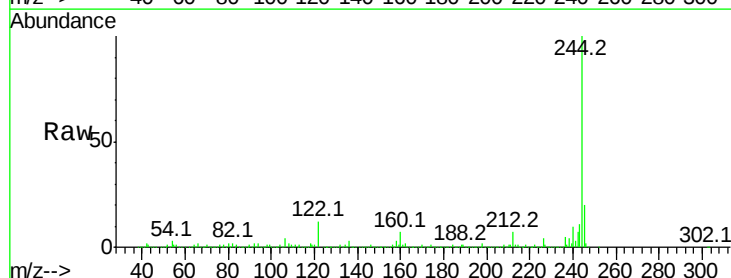
Delta R.T. -0.01 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Tgt Ion:244 Resp: 707214

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.7	11.0	16.4

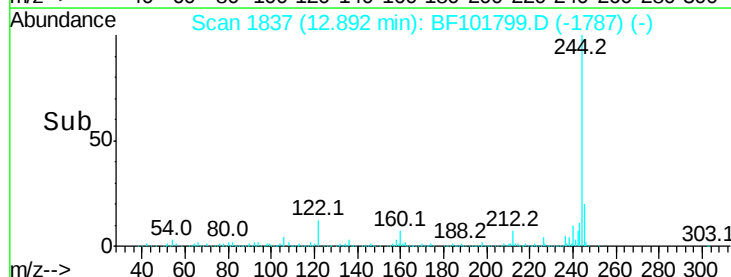
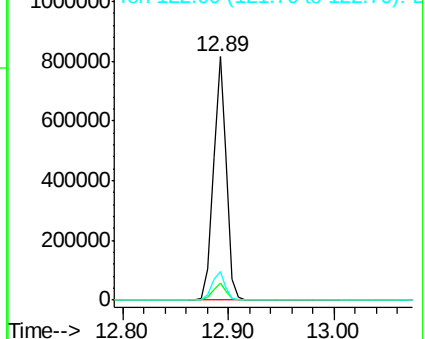


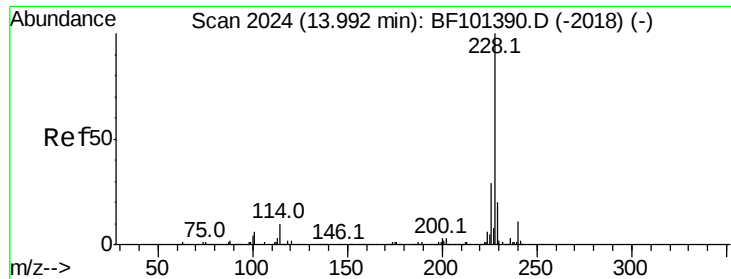
Abundance

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

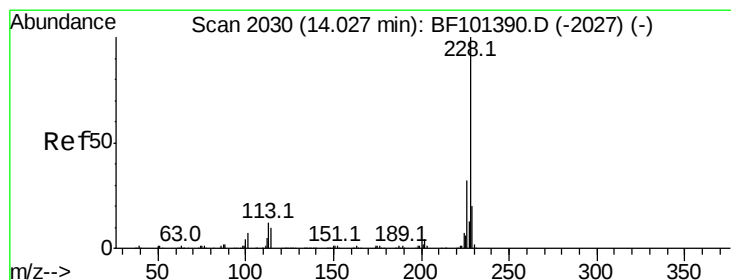
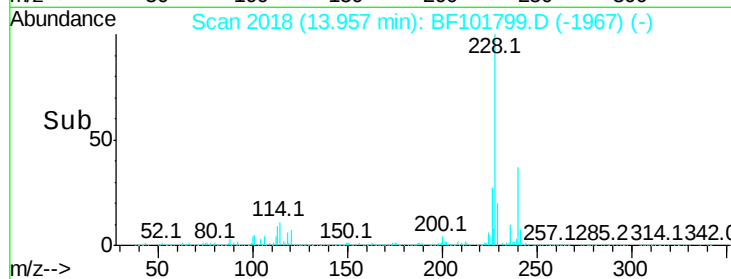
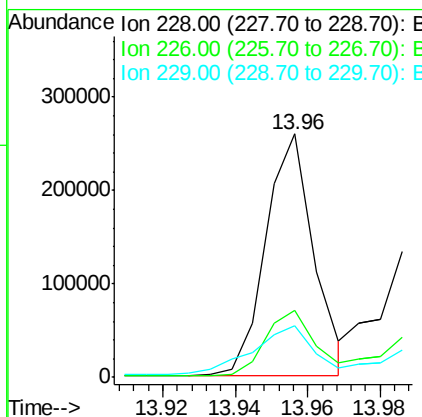
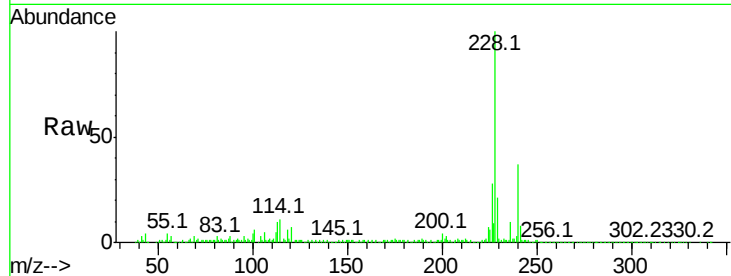




#80
Benzo(a)anthracene
Concen: 12.558 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

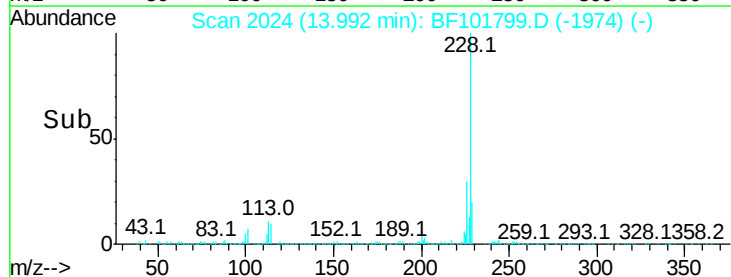
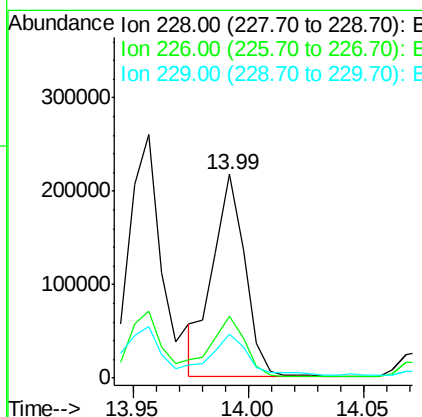
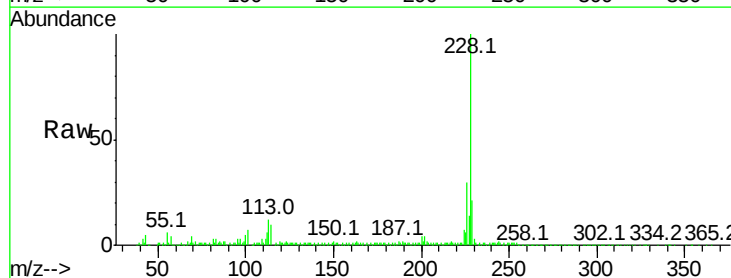
Instrument :
BNA_F
ClientSampleId :

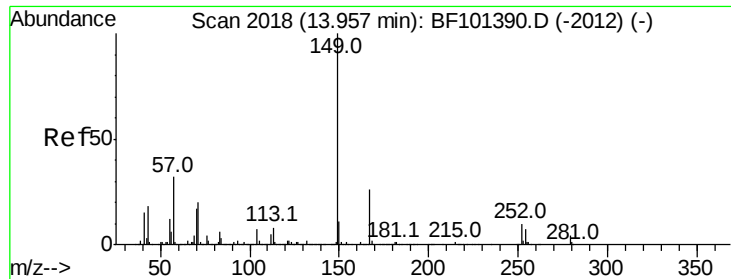
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	21.1	15.8	23.6



#82
Chrysene
Concen: 11.629 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.3	16.2	24.4

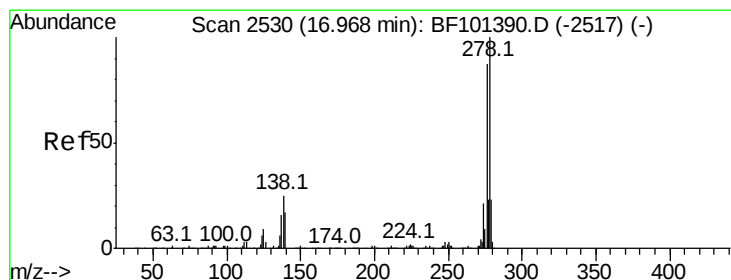
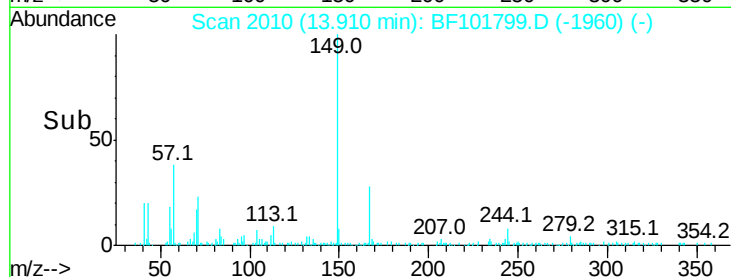
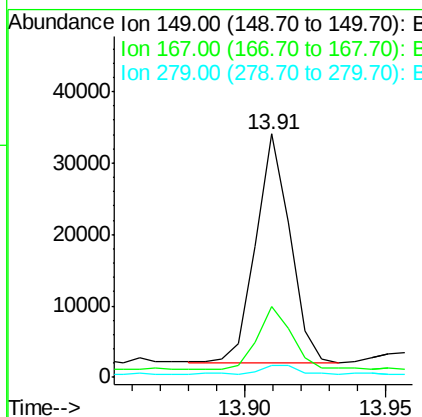
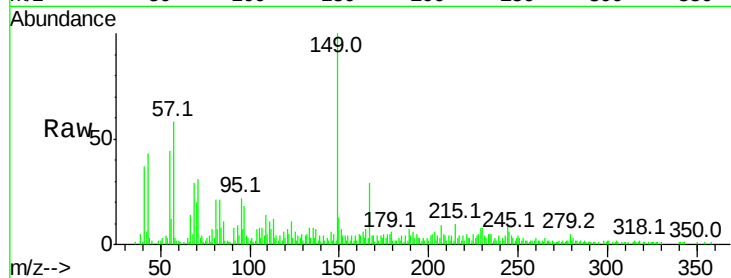




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.163 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF101799.D
 Acq: 28 Dec 2017 13:50

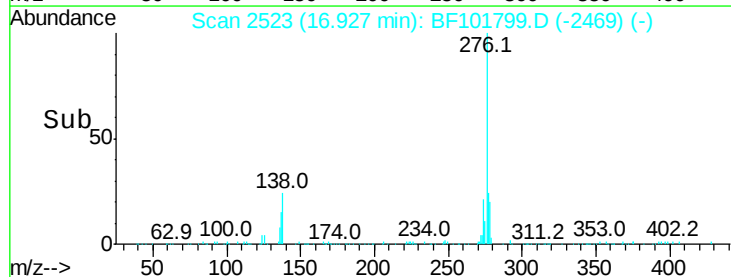
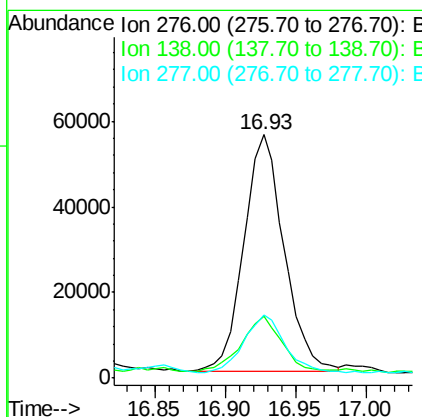
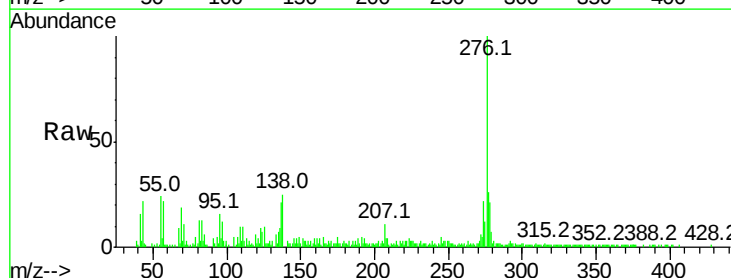
Instrument :
 BNA_F
 ClientSampleId :

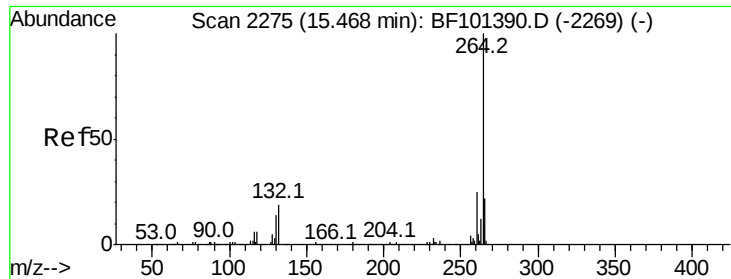
Tot Ion	Ratio	Lower	Upper
149	100		
167	29.2	21.3	31.9
279	4.8	3.0	4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.921 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.02 min
 Lab File: BF101799.D
 Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6
277	24.2	20.1	30.1

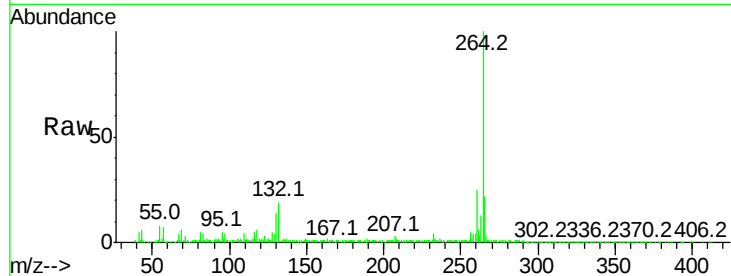




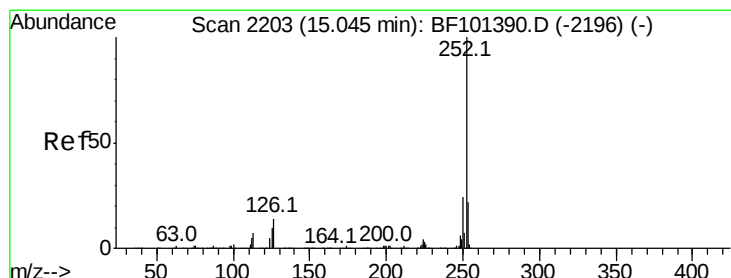
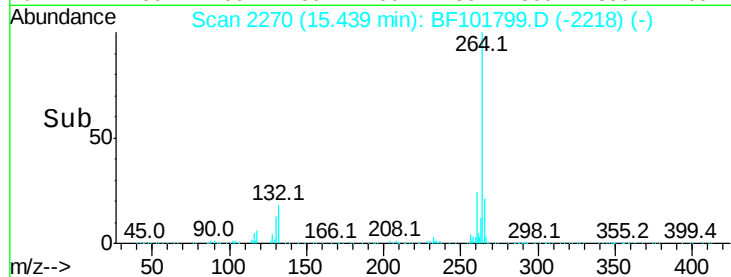
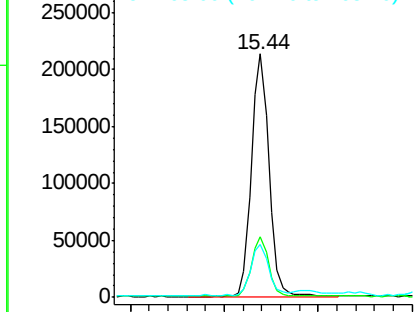
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 277309
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.9 17.5 26.3

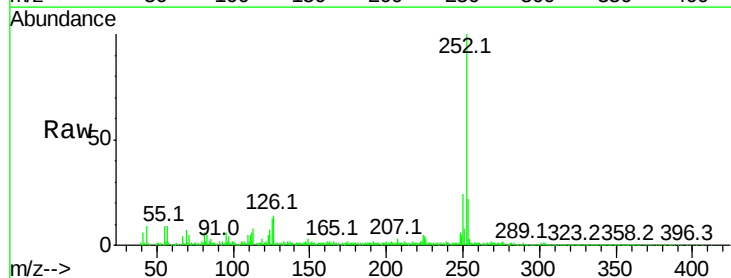


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

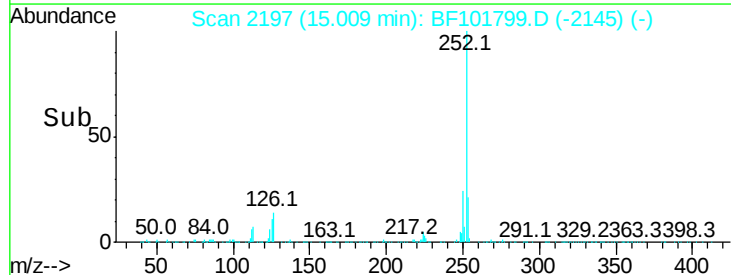
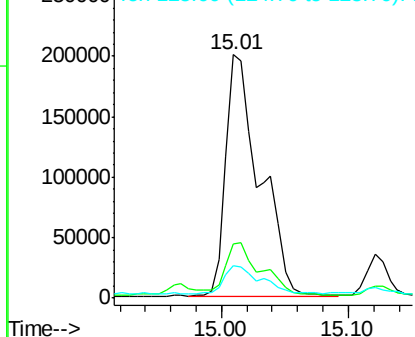


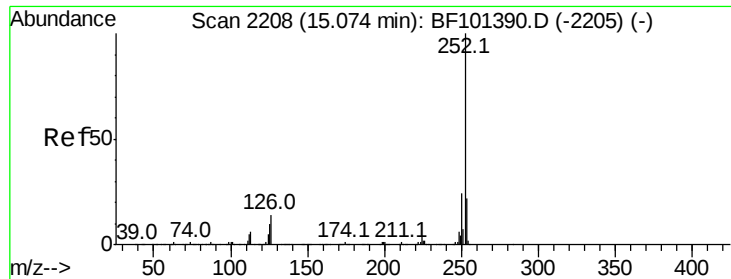
#87
Benzo(b)fluoranthene
Concen: 22.092 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion:252 Resp: 373415
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 13.4 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

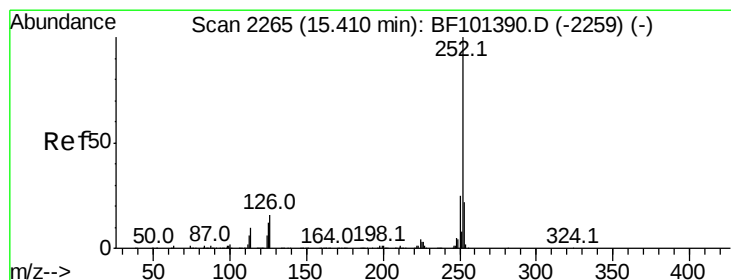
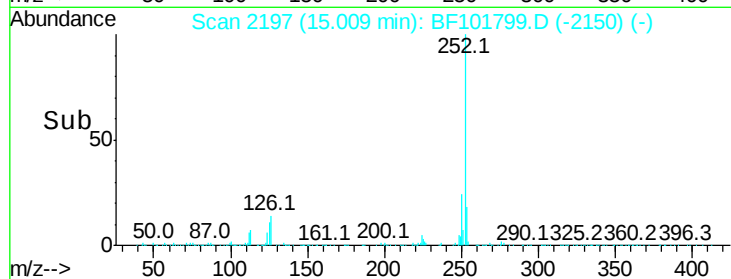
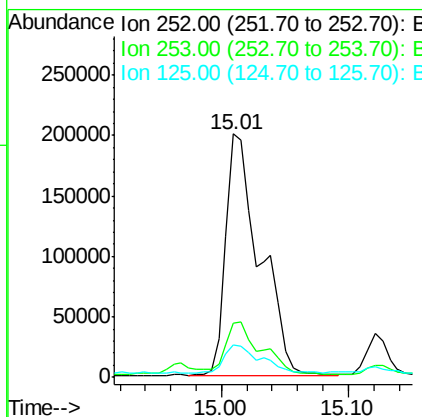
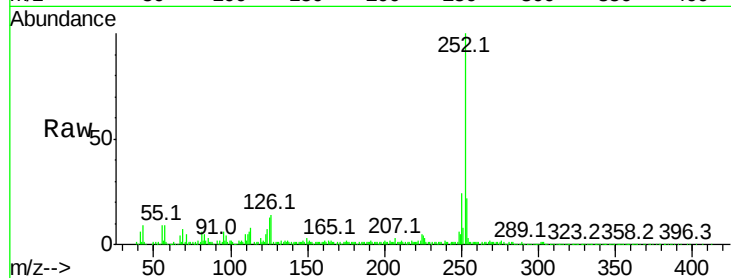




#88
Benzo(k)fluoranthene
Concen: 22.722 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

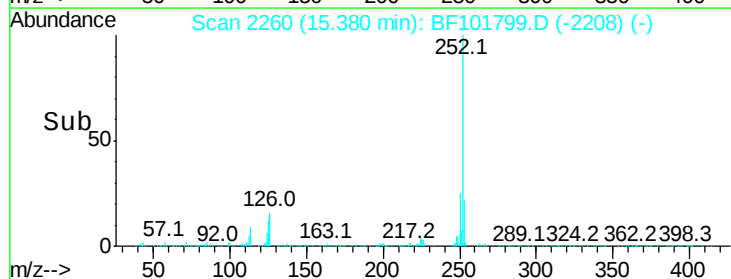
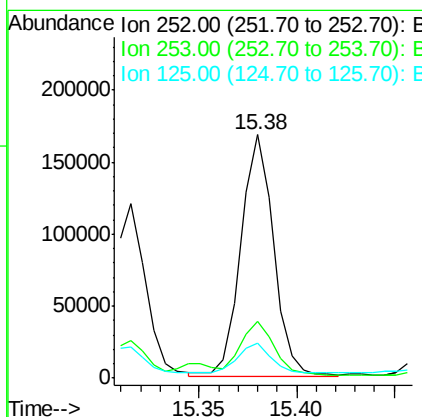
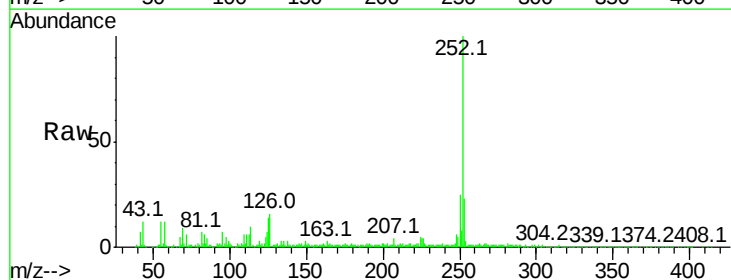
Instrument :
BNA_F
ClientSampleId :

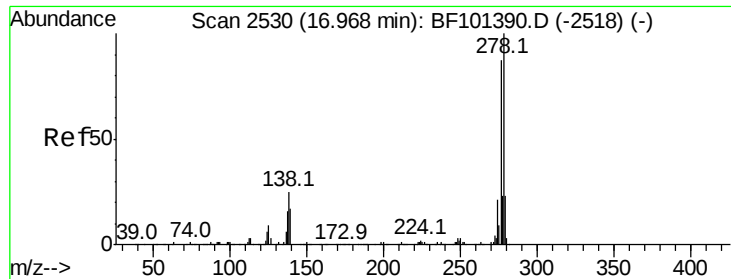
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 12.501 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.2	9.8	14.6

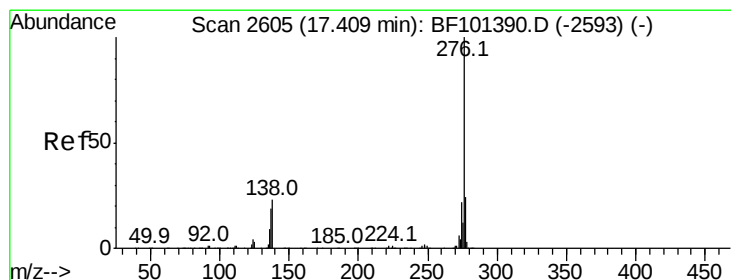
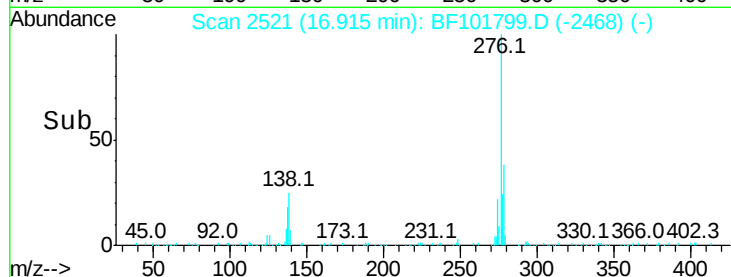
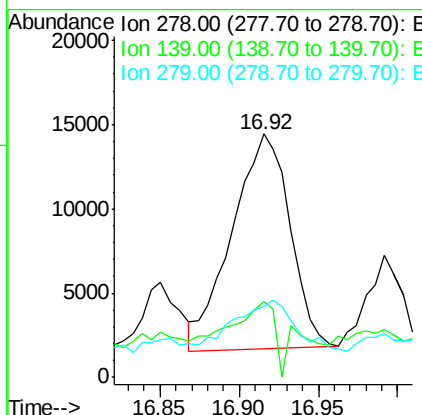
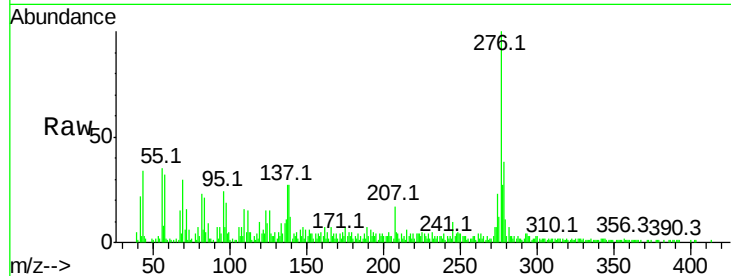




#90
Dibenzo(a,h)anthracene
Concen: 2.415 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 32312
Ion Ratio Lower Upper
278 100
139 31.4 15.9 23.9#
279 29.3 19.0 28.4#



#91
Benzo(g,h,i)perylene
Concen: 8.148 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion:276 Resp: 107943
Ion Ratio Lower Upper
276 100
277 25.5 17.9 26.9
138 26.8 21.8 32.8

