

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099615.D
 Acq On : 18 Oct 2017 14:11
 Operator : SJ/JU
 Sample : I5898-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 15:22:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	96693	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	381149	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	157036	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	234686	20.00	ng	0.00
75) Chrysene-d12	13.99	240	168135	20.00	ng	-0.01
86) Perylene-d12	15.45	264	188906	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	48057	7.91	ng	0.00
7) Phenol-d6	6.47	99	59343	7.92	ng	-0.01
23) Nitrobenzene-d5	7.39	82	31799	5.35	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	8296	6.46	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	69389	7.38	ng	0.00
78) Terphenyl-d14	12.93	244	41081	5.56	ng	0.00

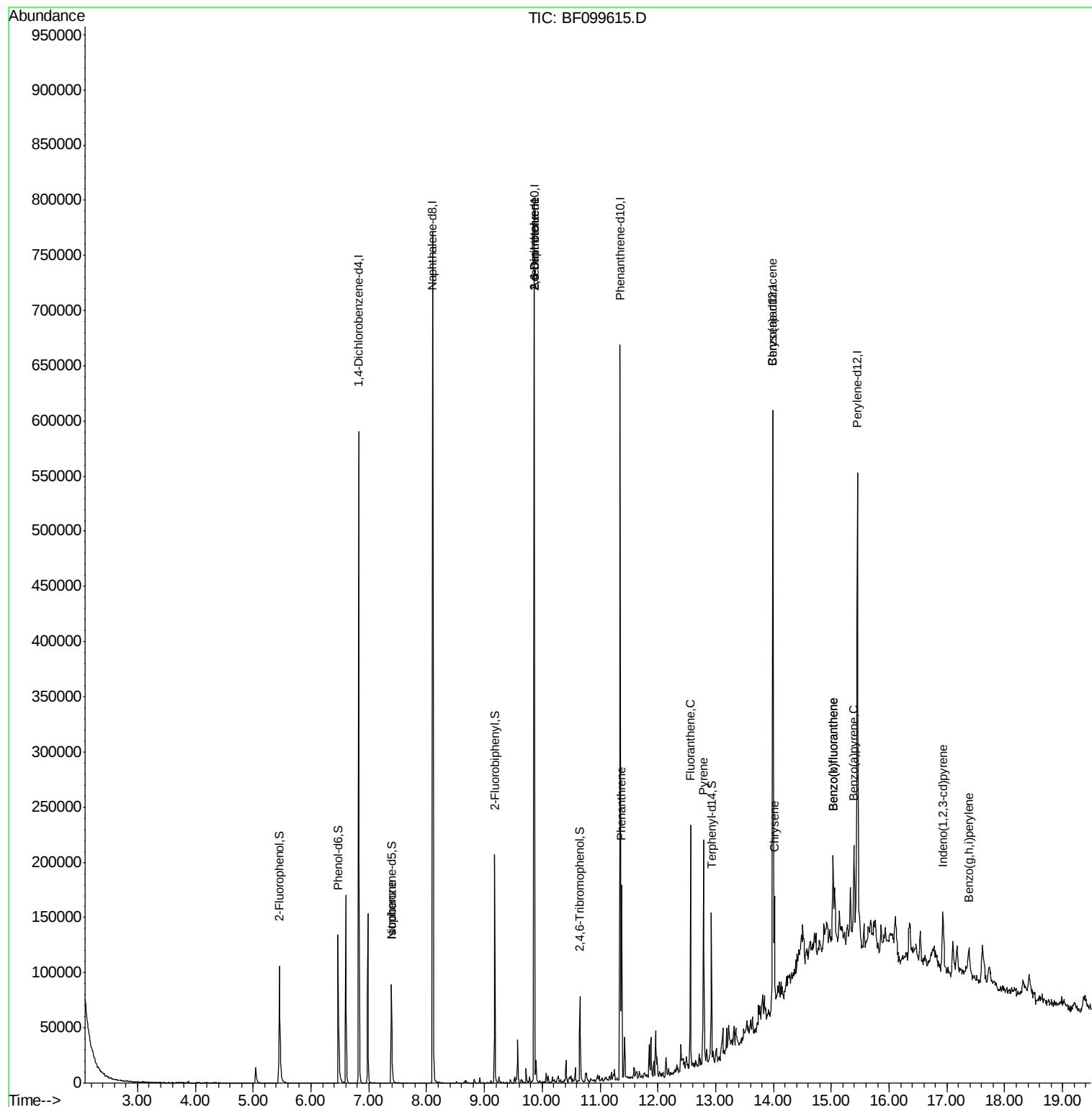
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.39	82	31799	2.588	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	19974	7.741	ng	# 25
56) 2,4-Dinitrotoluene	9.86	165	19974	5.965	ng	# 22
70) Phenanthrene	11.37	178	64166	5.108	ng	100
74) Fluoranthene	12.56	202	79886	6.280	ng	97
77) Pyrene	12.79	202	75864	5.917	ng	99
80) Benzo(a)anthracene	13.98	228	35170	3.454	ng	97
82) Chrysene	14.02	228	31173	3.216	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	19792	2.553	ng	94
87) Benzo(b)fluoranthene	15.03	252	53940	4.644	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	53940	4.702	ng	98
89) Benzo(a)pyrene	15.39	252	33587	3.150	ng	# 90
91) Benzo(a,h,i)perylene	17.38	276	19540	2.317	ng	# 87

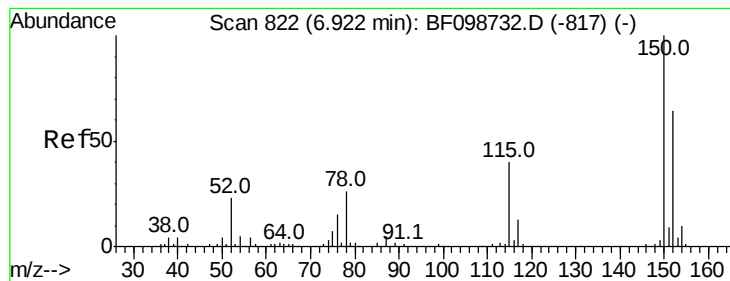
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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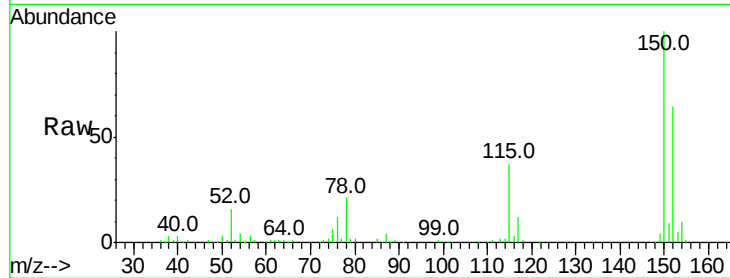


#1

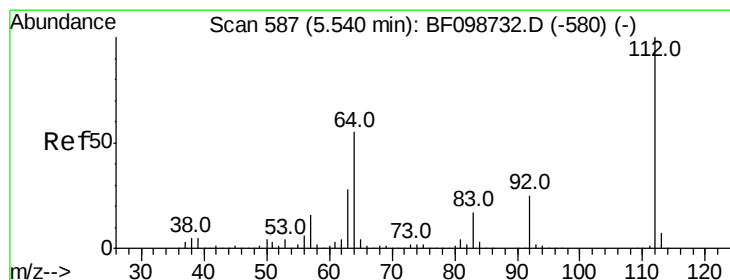
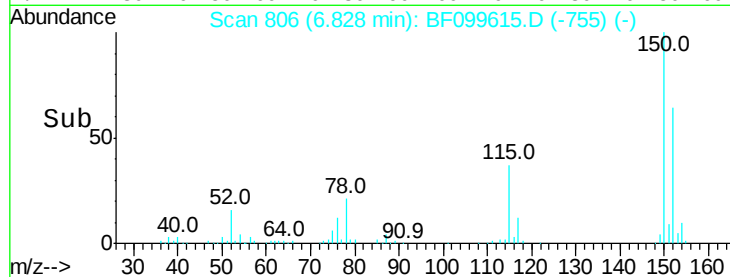
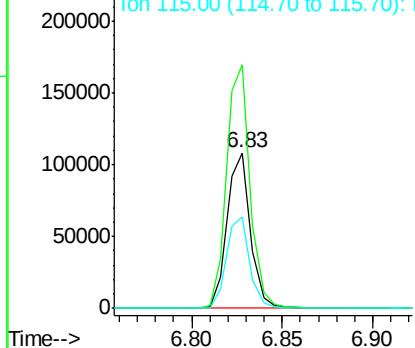
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96693
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 58.3 50.1 75.1



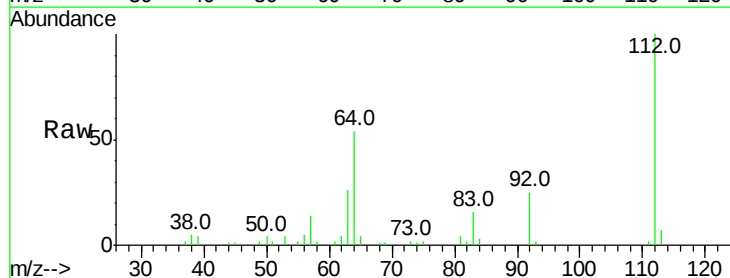
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



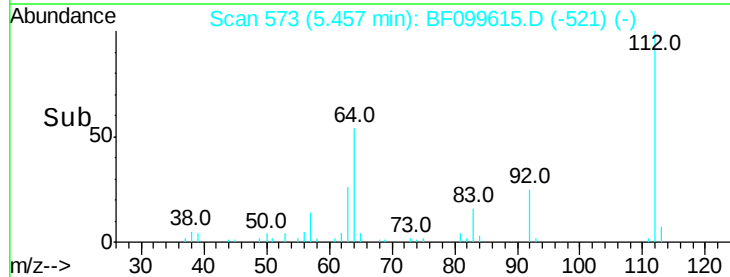
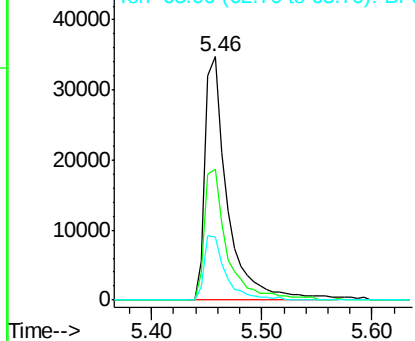
#5

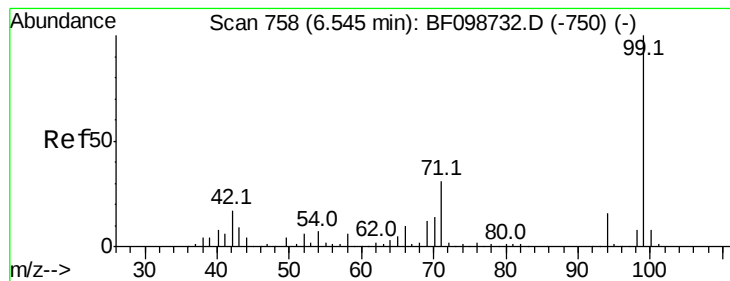
2-Fluorophenol
Concen: 7.912 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion:112 Resp: 48057
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 26.1 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: 7.920 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

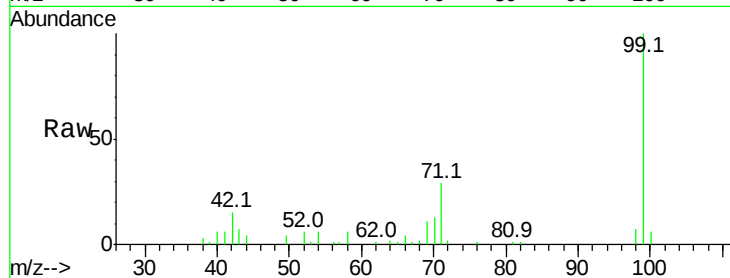
Tot Ion: 99 Resp: 59343

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

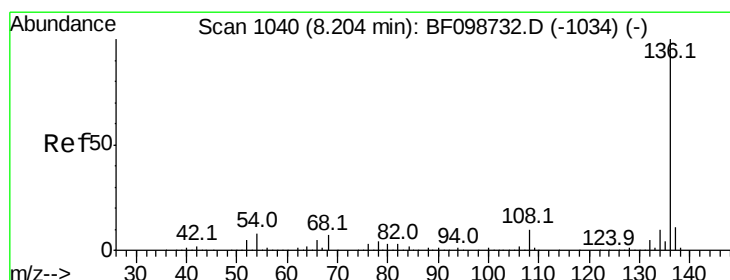
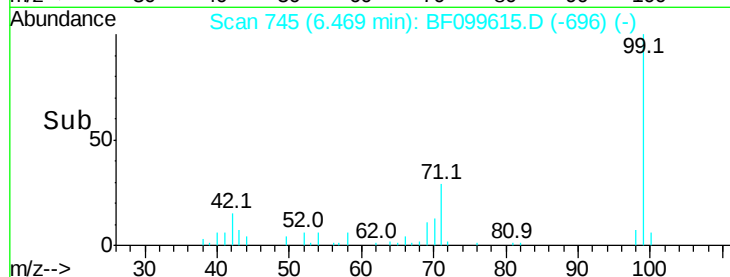
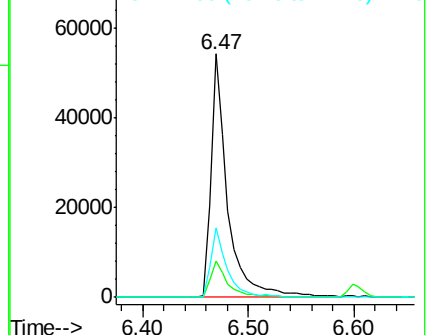
71 28.7 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Tgt Ion: 136 Resp: 381149

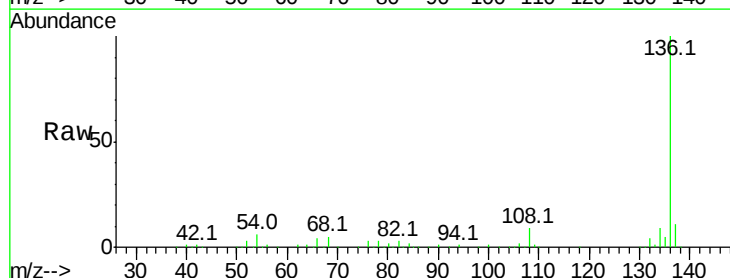
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.2 6.6 9.8#

68 5.4 5.0 7.4

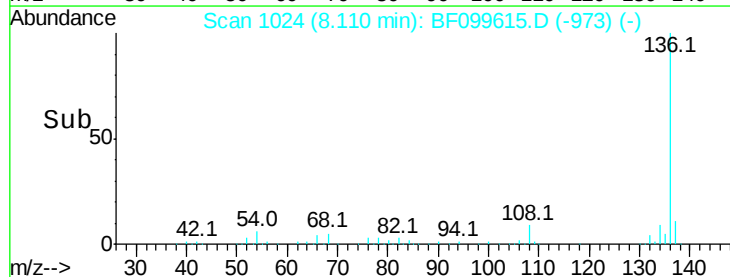
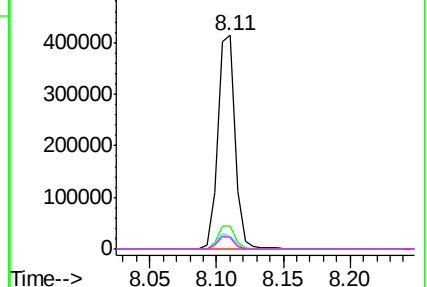


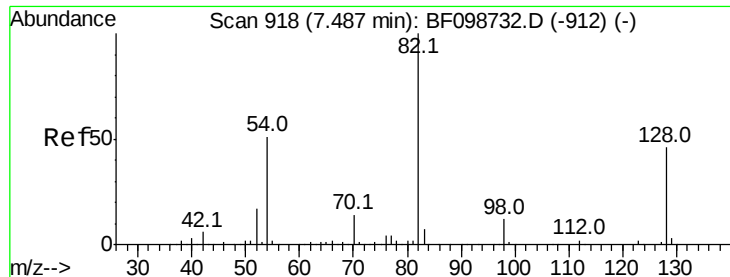
Abundance Ion 136.00 (135.70 to 136.70): E

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

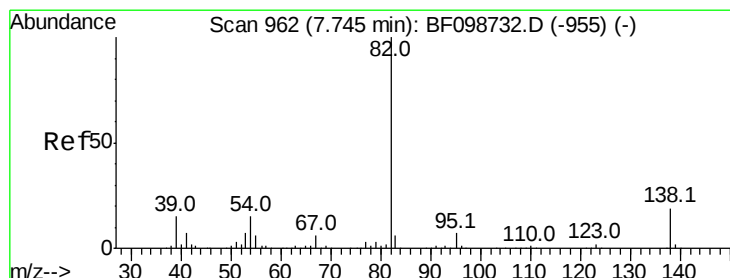
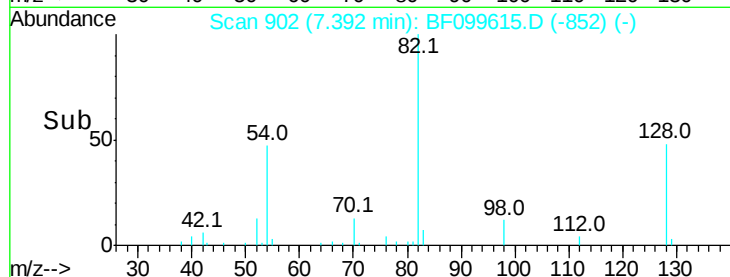
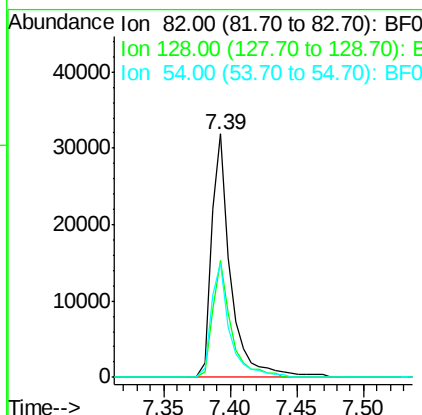
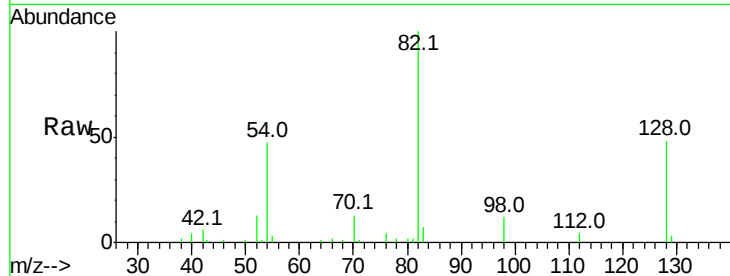




#23
Nitrobenzene-d5
Concen: 5.350 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

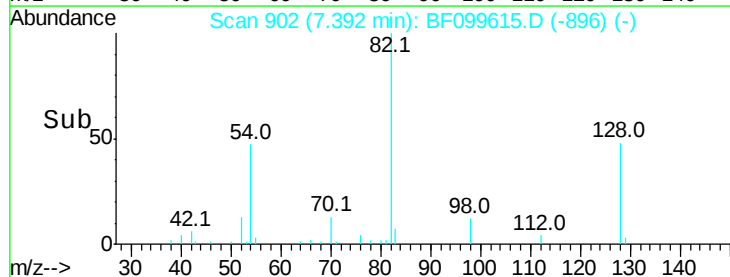
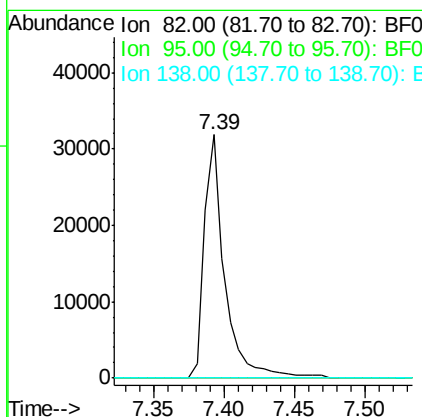
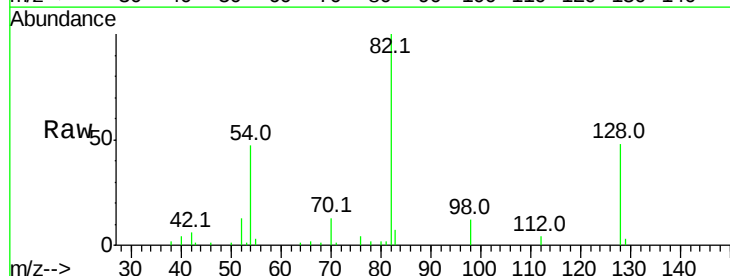
Instrument :
BNA_F
ClientSampled :

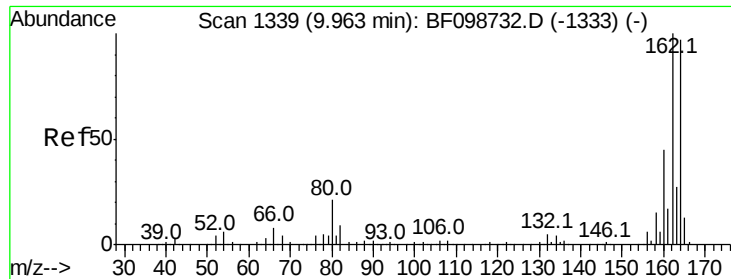
Tot Ion	82	Resp	31799
Ion Ratio	Lower	Upper	
82	100		
128	47.9	36.1	54.1
54	47.0	41.4	62.2



#25
Isophorone
Concen: 2.588 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion	82	Resp	31799
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

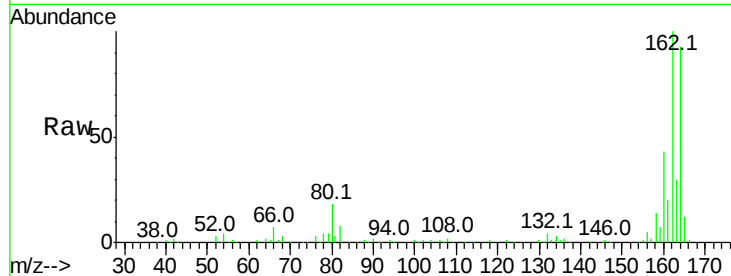




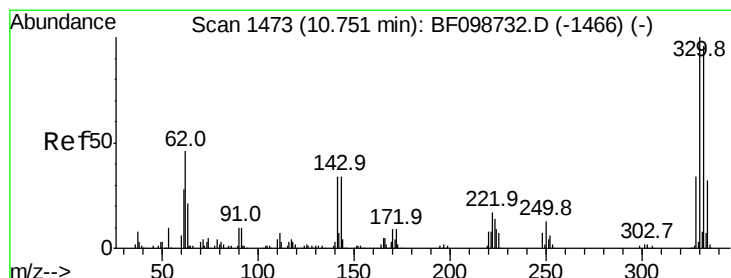
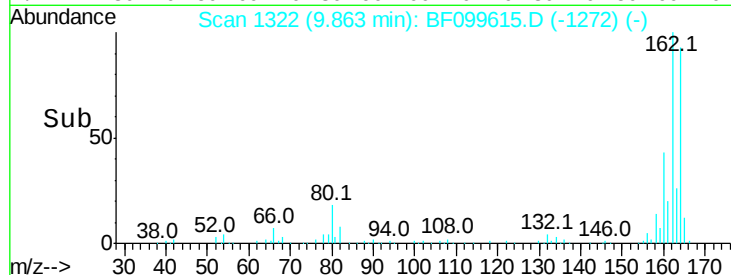
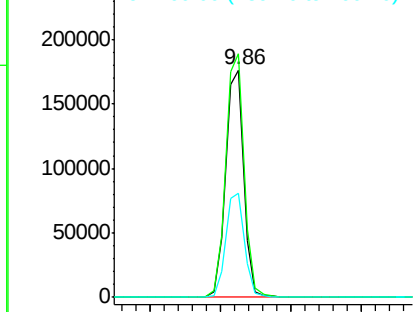
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 157036
 Ion Ratio Lower Upper
 164 100
 162 107.0 86.1 129.1
 160 45.8 38.3 57.5

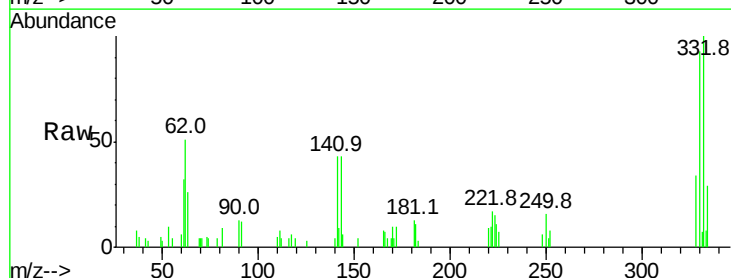


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

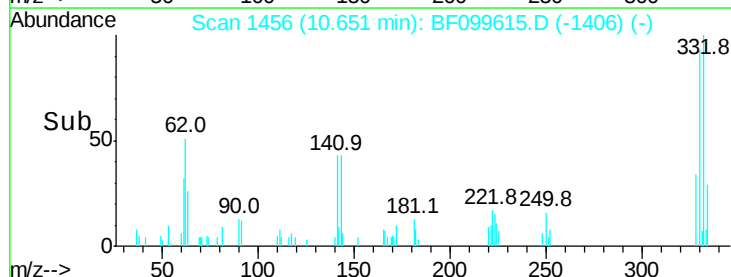
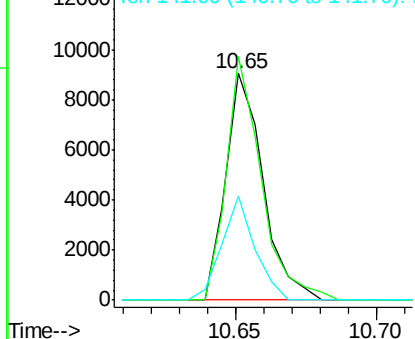


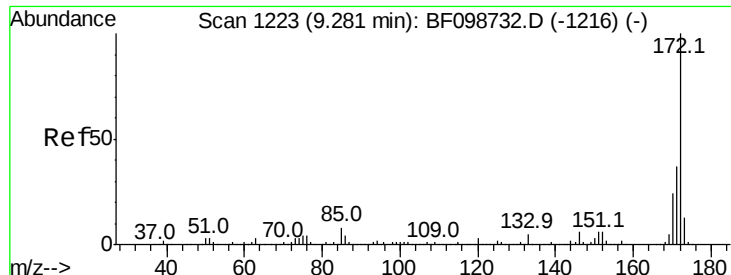
#41
 2,4,6-Tribromophenol
 Concen: 6.456 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Tgt Ion:330 Resp: 8296
 Ion Ratio Lower Upper
 330 100
 332 100.9 77.0 115.6
 141 40.5 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

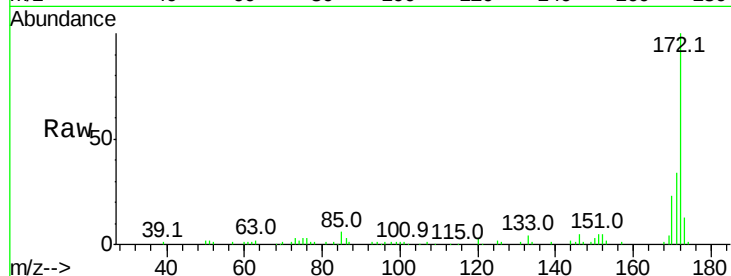




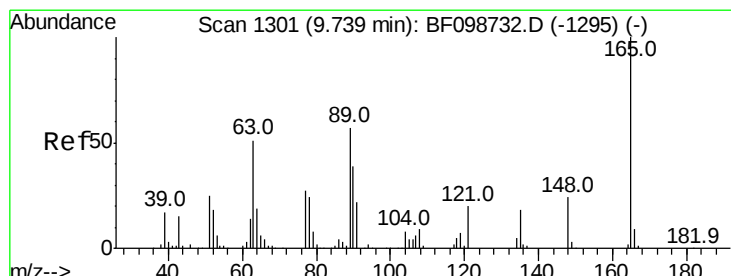
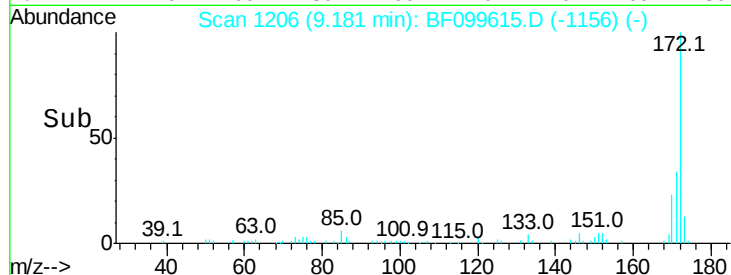
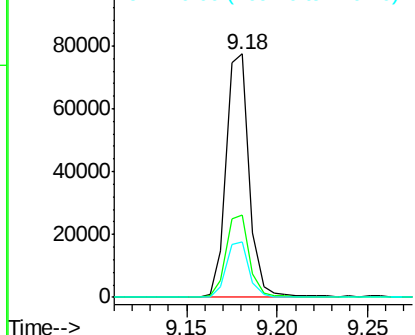
#44
 2-Fluorobiphenyl
 Concen: 7.377 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.7	44.5
170	22.5	19.6	29.4

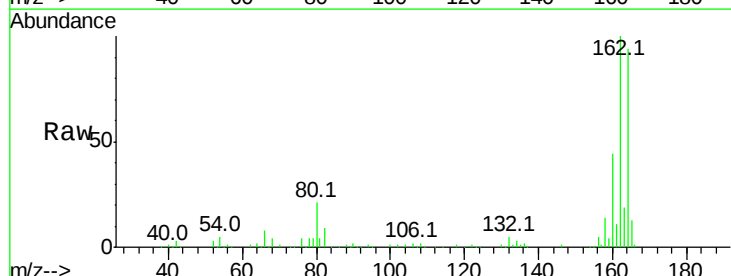


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

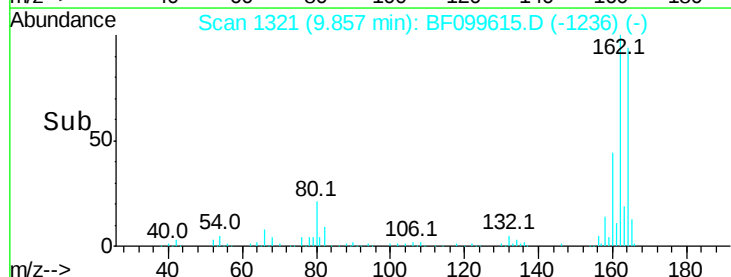
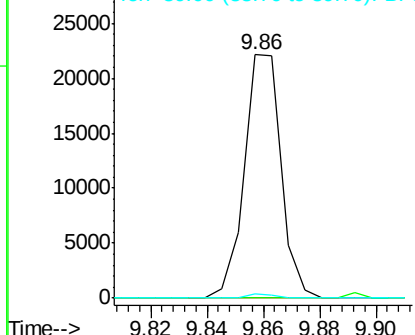


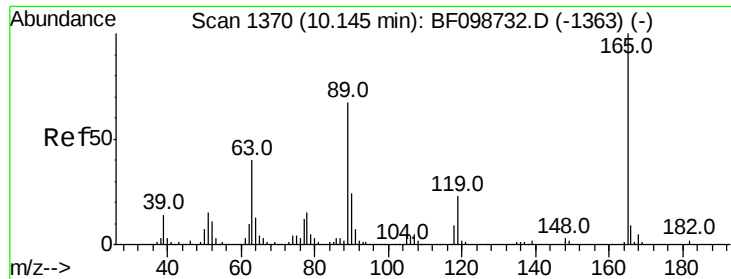
#50
 2,6-Dinitrotoluene
 Concen: 7.741 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.20 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

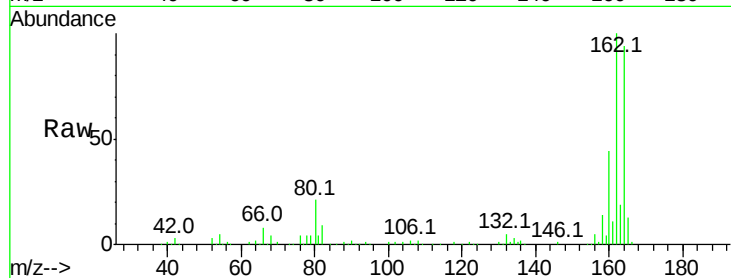




#56
 2,4-Dinitrotoluene
 Concen: 5.965 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.21 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	19974
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#

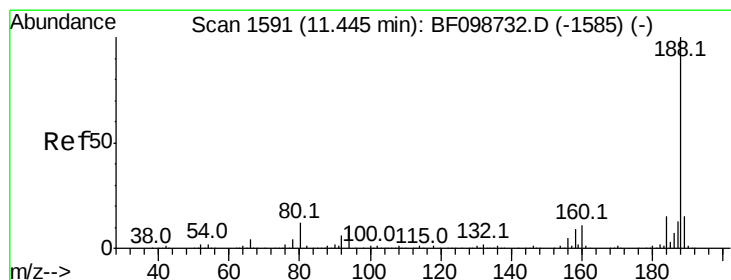
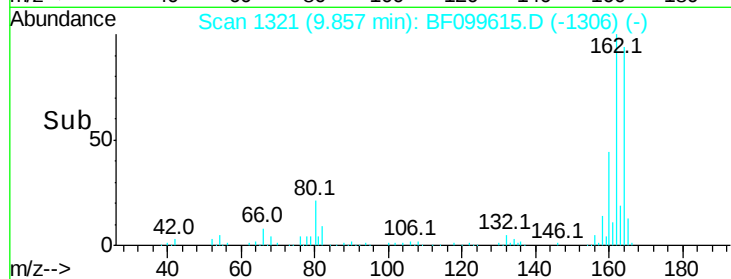
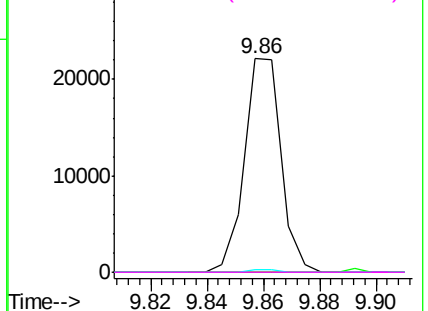


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

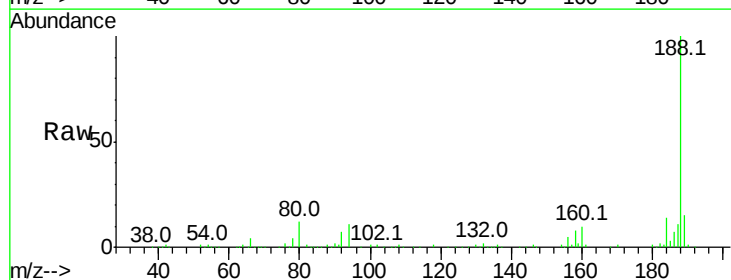
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

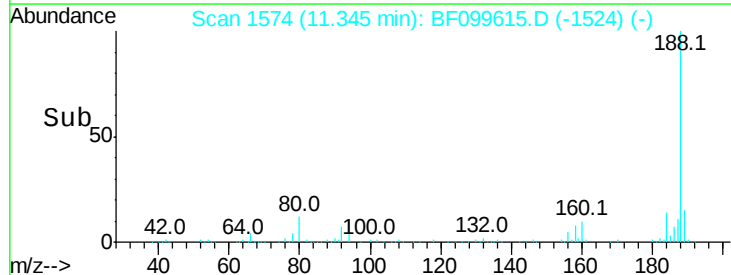
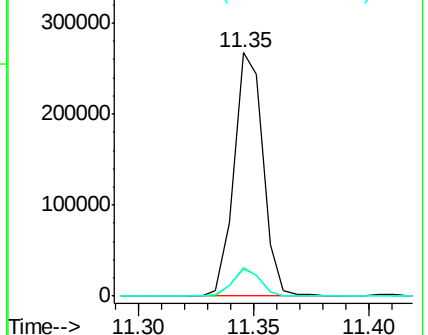
Tgt Ion:188	Resp:	234686
Ion Ratio	Lower	Upper
188	100	
94	11.3	8.5 12.7
80	11.5	9.2 13.8

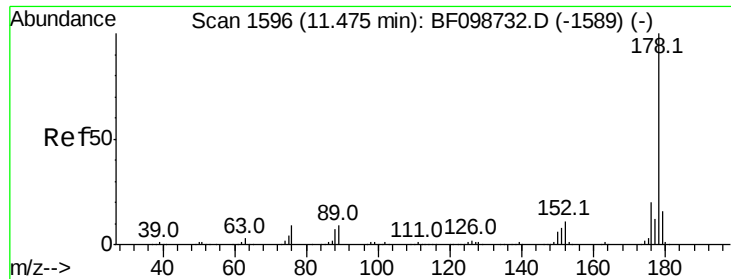


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

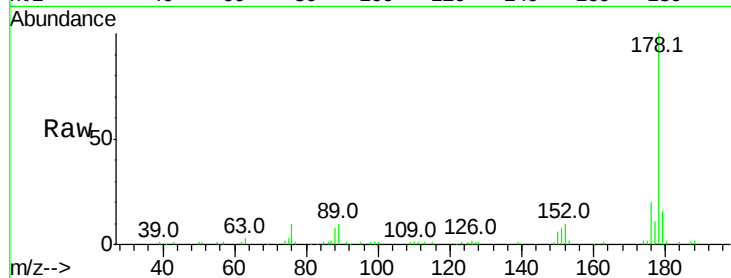




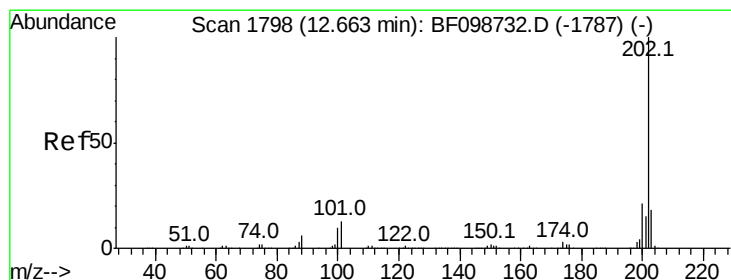
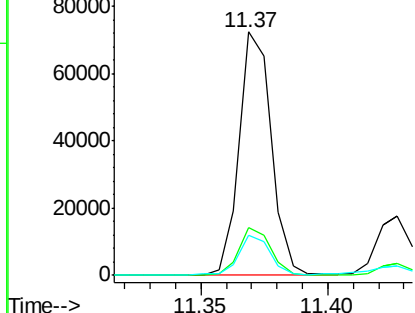
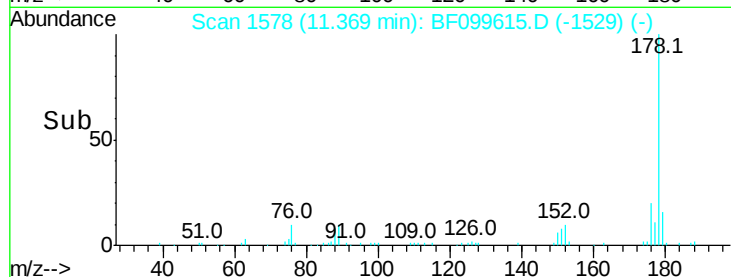
#70
Phenanthrene
Concen: 5.108 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 64166
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.2 13.0 19.6

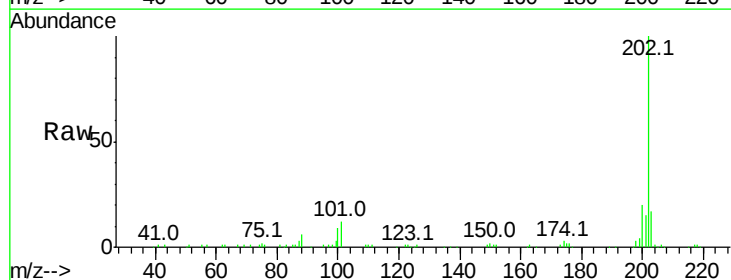


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

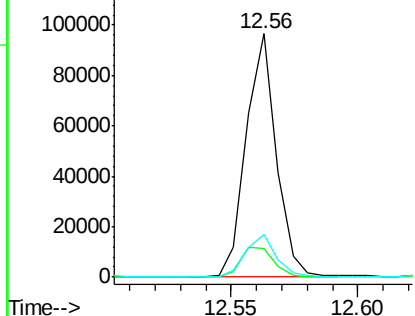
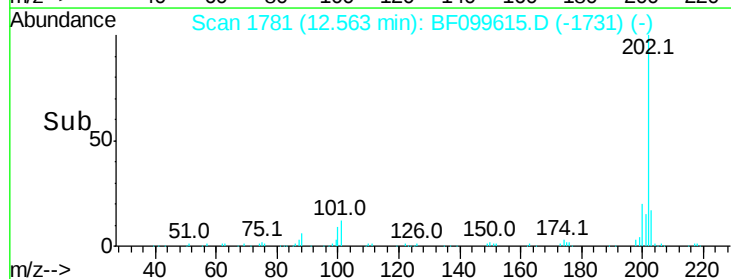


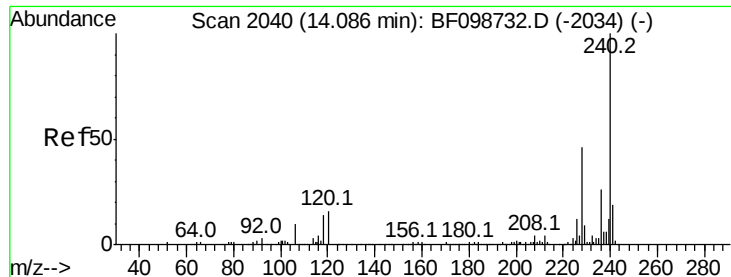
#74
Fluoranthene
Concen: 6.280 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion:202 Resp: 79886
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 17.5 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

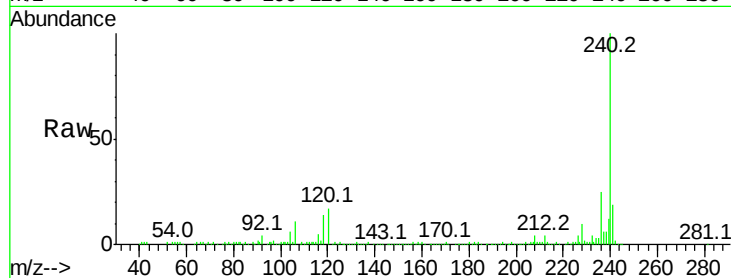
Tot Ion:240 Resp: 168135

Ion Ratio Lower Upper

240 100

120 16.7 9.5 14.3#

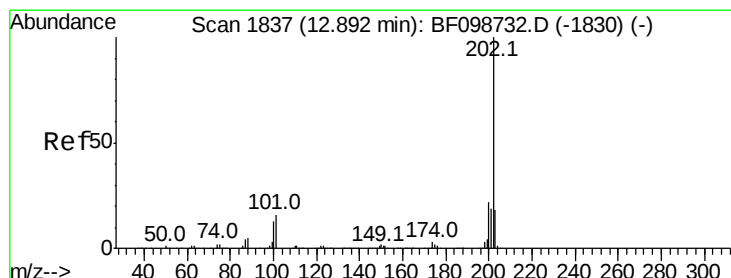
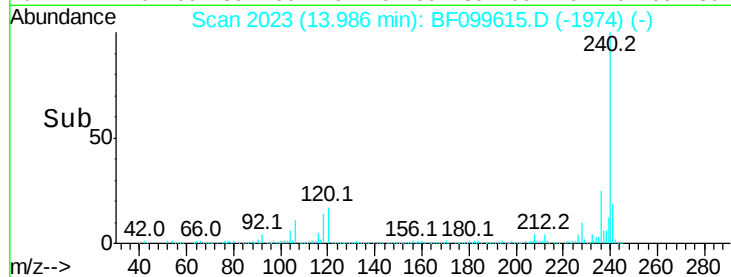
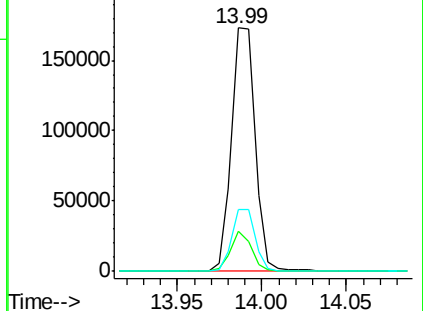
236 25.2 20.7 31.1



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

Pyrene

Concen: 5.917 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

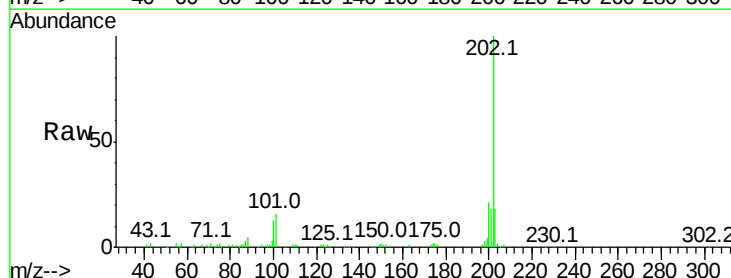
Tgt Ion:202 Resp: 75864

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

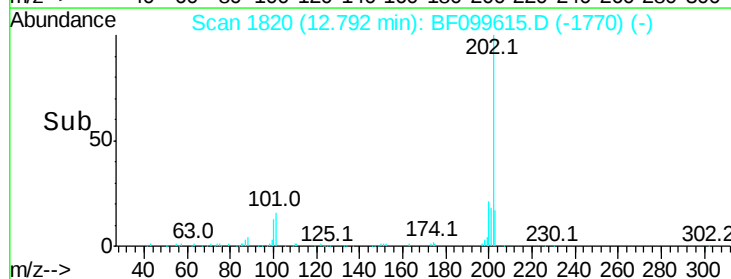
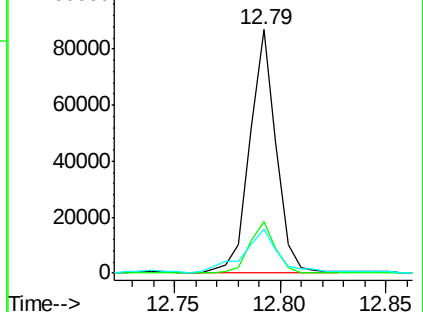
203 18.1 14.3 21.5

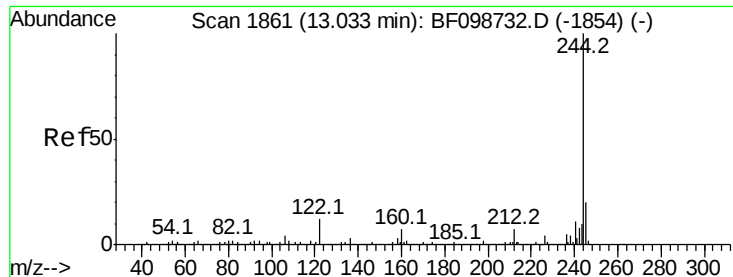


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.557 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

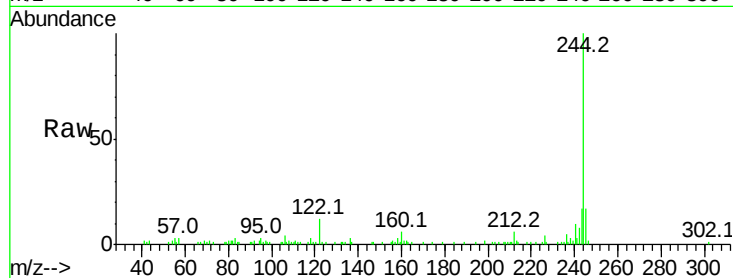
Tot Ion:244 Resp: 41081

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

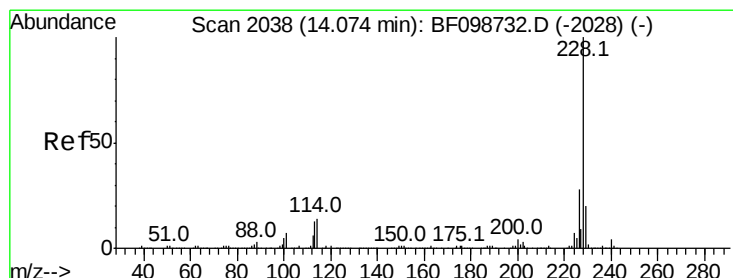
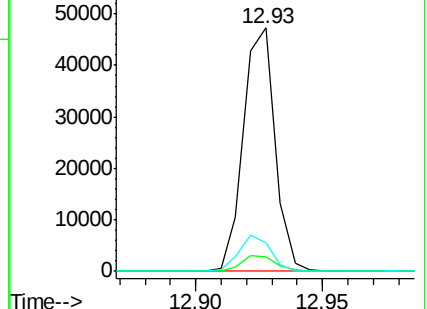
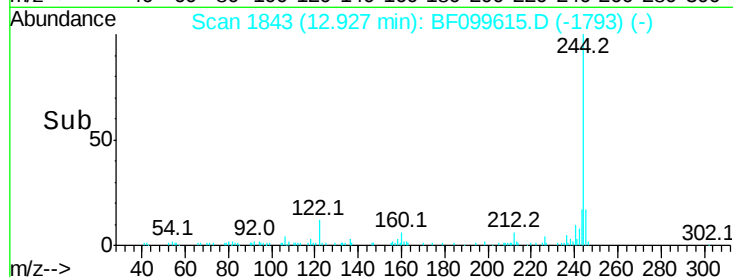
122 11.6 11.0 16.4



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: 3.454 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

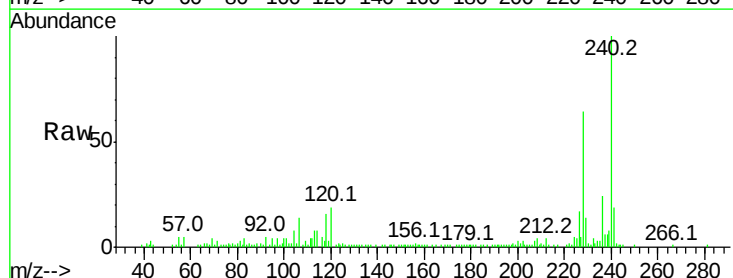
Tgt Ion:228 Resp: 35170

Ion Ratio Lower Upper

228 100

226 27.3 22.6 33.8

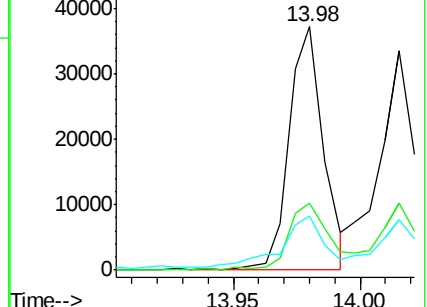
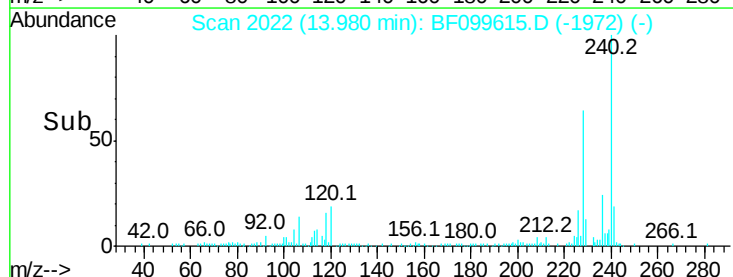
229 22.1 15.8 23.6

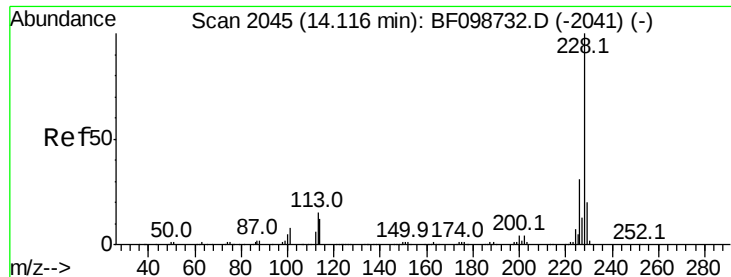


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.216 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

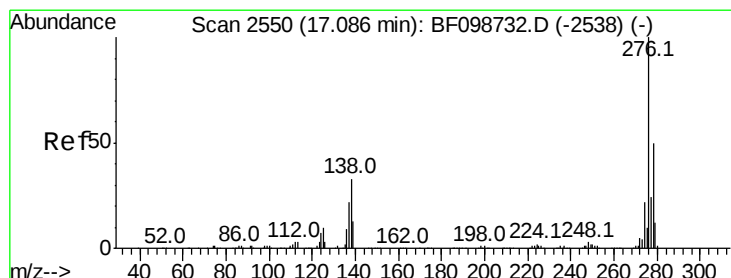
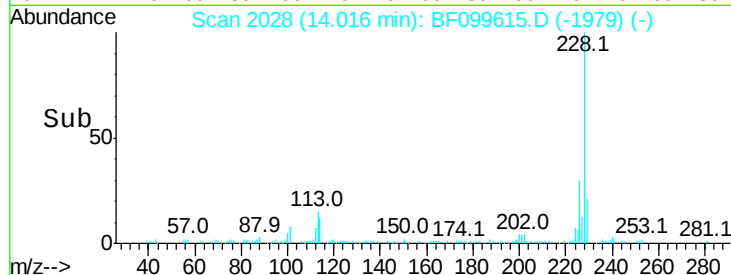
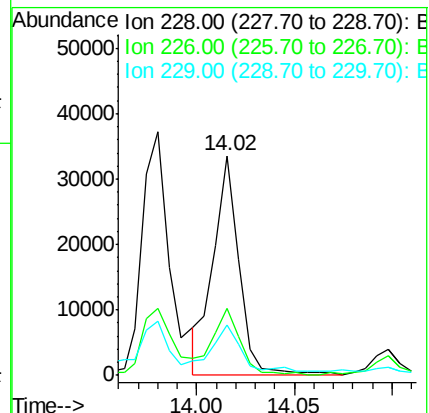
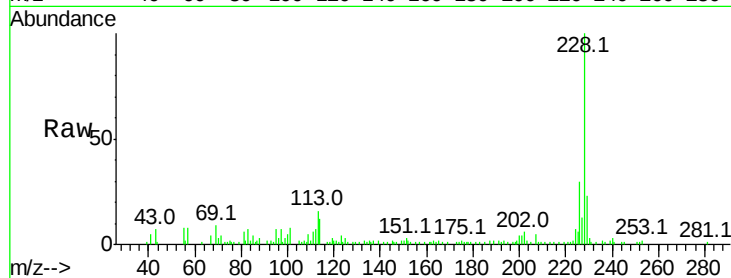
Tot Ion:228 Resp: 31173

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

229 22.8 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.553 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

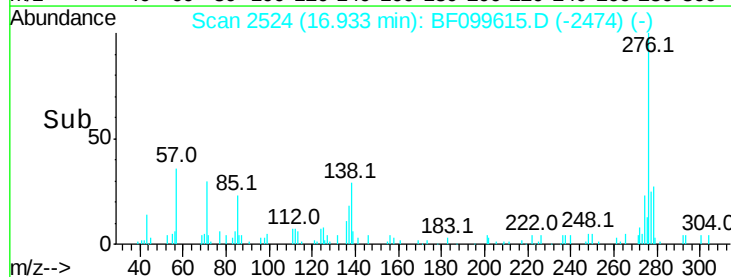
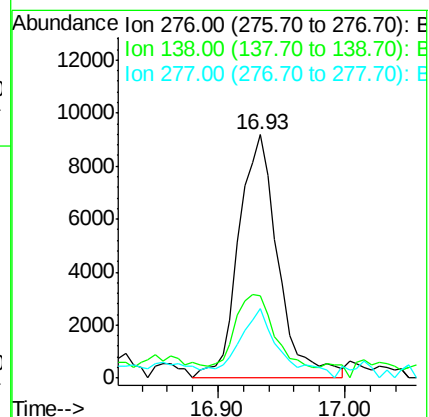
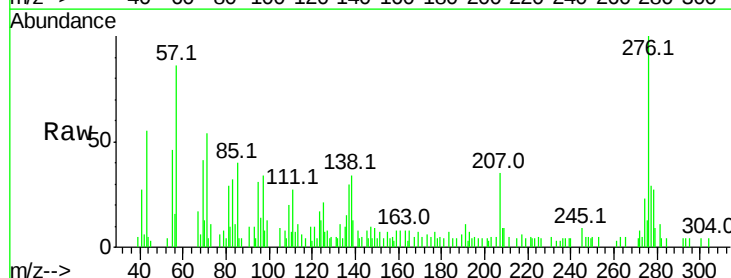
Tgt Ion:276 Resp: 19792

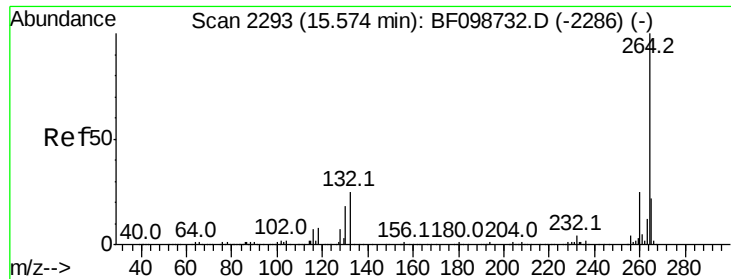
Ion Ratio Lower Upper

276 100

138 28.4 25.0 37.6

277 28.6 20.1 30.1

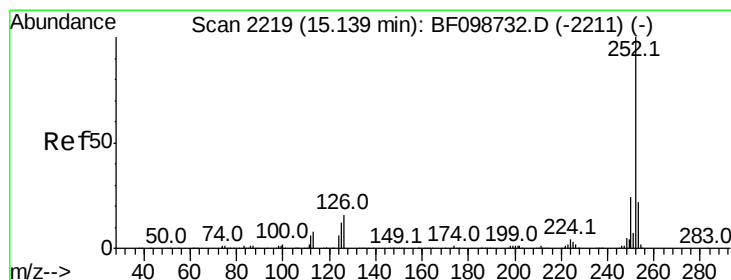
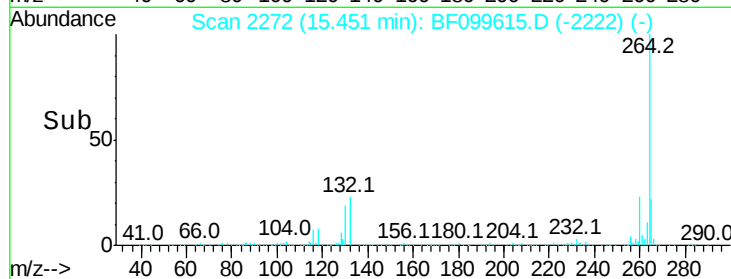
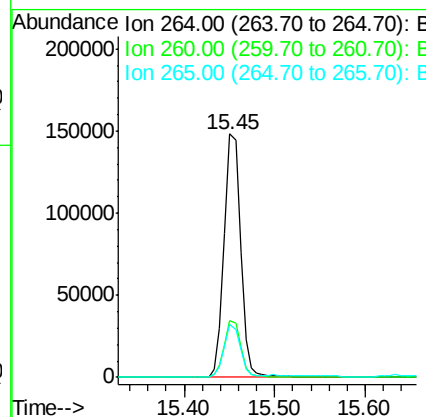
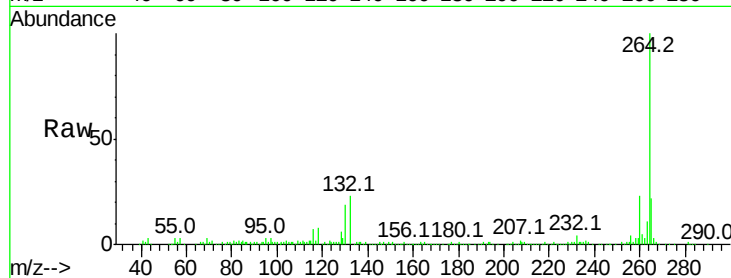




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

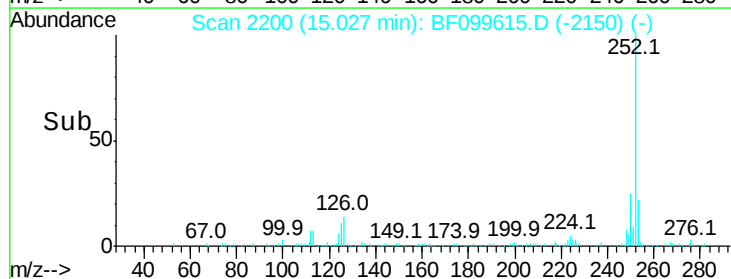
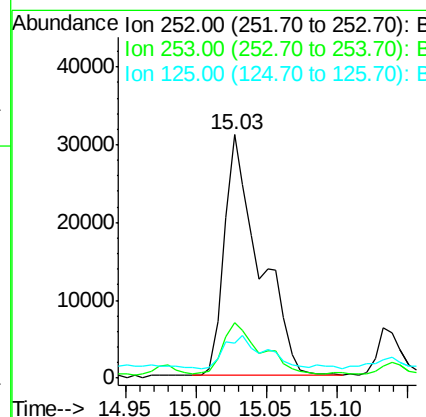
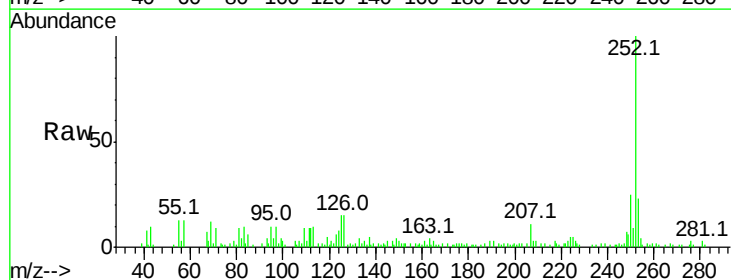
Instrument :
BNA_F
ClientSampleId :

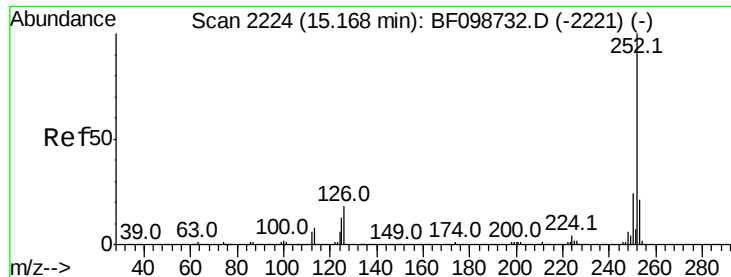
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 4.644 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	14.6	9.0	13.6

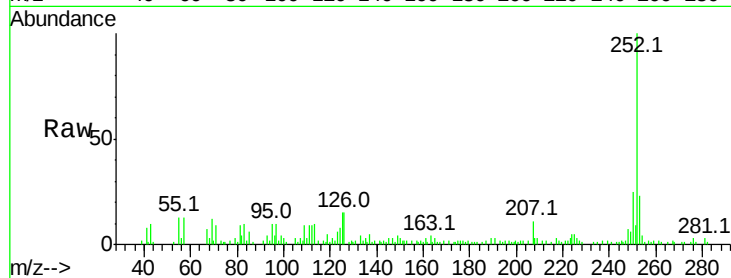




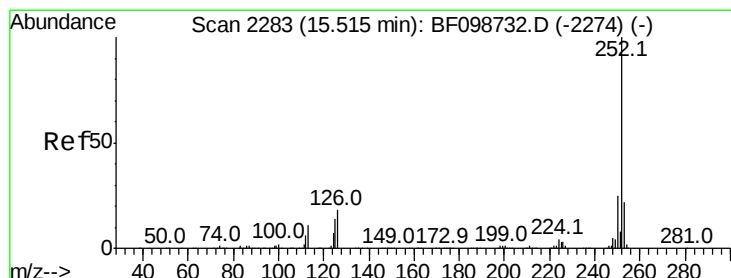
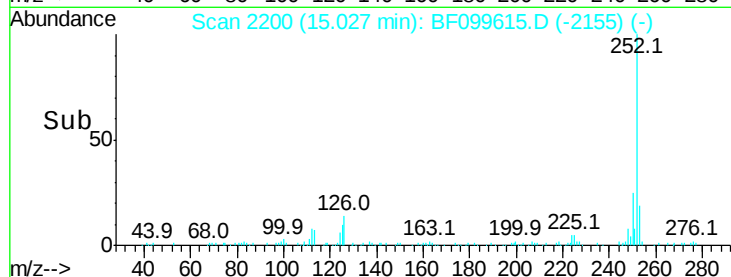
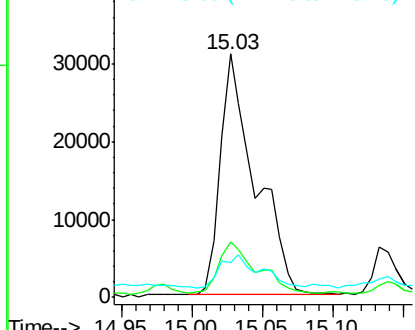
#88
Benzo(k)fluoranthene
Concen: 4.702 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 53940
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 14.6 10.2 15.2

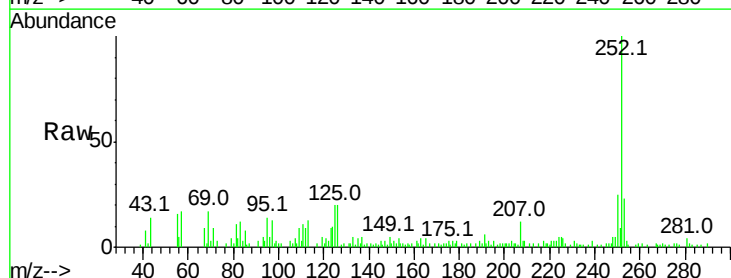


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

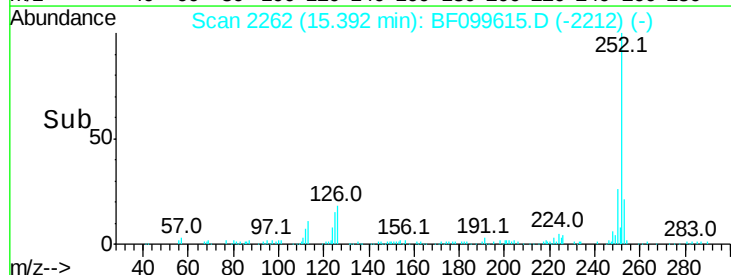
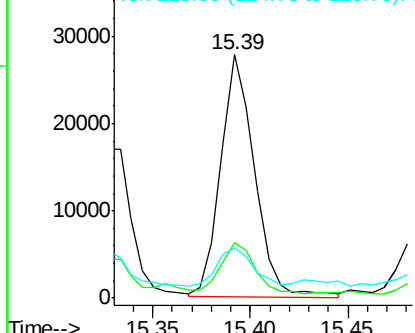


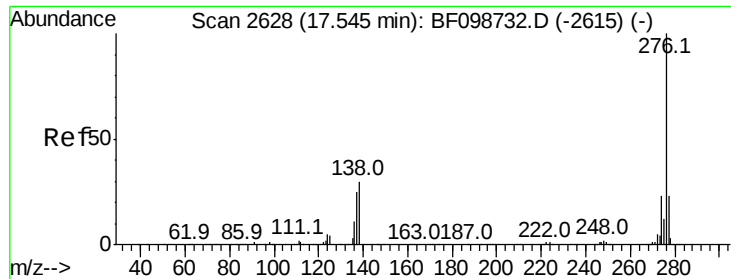
#89
Benzo(a)pyrene
Concen: 3.150 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion:252 Resp: 33587
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 20.4 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: 2.317 ng

RT: 17.38 min Scan# 2600

Delta R.T. 0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

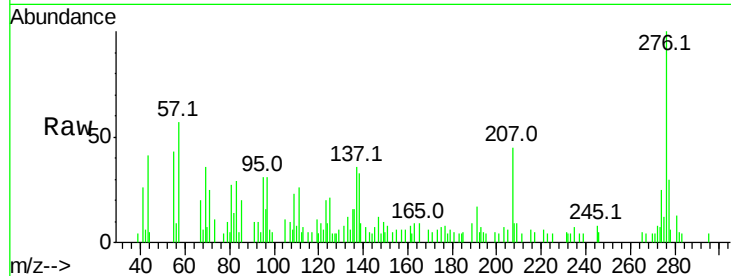
Tot Ion:276 Resp: 19540

Ion Ratio Lower Upper

276 100

277 29.7 17.9 26.9#

138 32.9 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

