

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
 Data File : BF108152.D
 Acq On : 14 Aug 2018 18:34
 Operator : JU/SJ
 Sample : J4460-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 15 10:56:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	179569	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	596956	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	243608	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	454810	20.00	ng	0.00
75) Chrysene-d12	14.21	240	454300	20.00	ng	0.00
86) Perylene-d12	15.78	264	297111	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1062711	107.14	ng	0.02
7) Phenol-d6	6.64	99	1375369	104.35	ng	0.00
23) Nitrobenzene-d5	7.58	82	878555	82.12	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	279549	115.04	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1424801	93.90	ng	0.00
78) Terphenyl-d14	13.15	244	1478340	82.74	ng	0.00

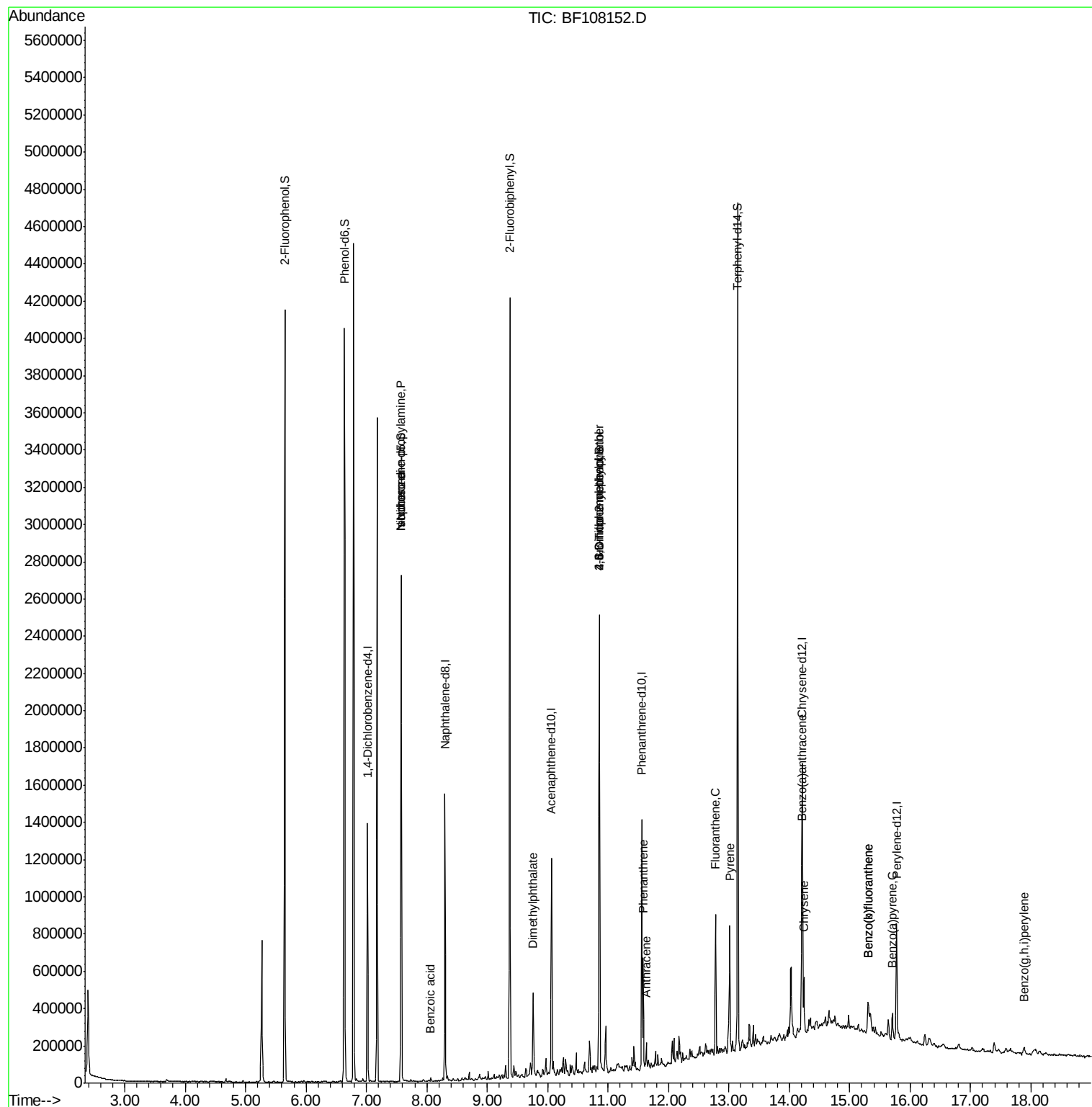
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	120134	13.479	ng	# 85
25) Isophorone	7.58	82	878534	43.085	ng	# 64
32) Benzoic acid	8.07	122	3186	6.506	ng	# 13
49) Dimethylphthalate	9.77	163	129100	7.608	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.85	198	662	5.703	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	18115	3.665	ng	# 1
70) Phenanthrene	11.58	178	195282	9.103	ng	98
71) Anthracene	11.64	178	55992	2.547	ng	99
74) Fluoranthene	12.78	202	293140	12.521	ng	96
77) Pyrene	13.01	202	261426	9.089	ng	100
80) Benzo(a)anthracene	14.20	228	144790	5.553	ng	99
82) Chrysene	14.24	228	121258	5.073	ng	98
87) Benzo(b)fluoranthene	15.31	252	145219	8.180	ng	96
88) Benzo(k)fluoranthene	15.31	252	145219	8.898	ng	97
89) Benzo(a)pyrene	15.71	252	75694	4.761	ng	99
91) Benzo(g,h,i)perylene	17.88	276	34743	2.682	ng	# 91

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

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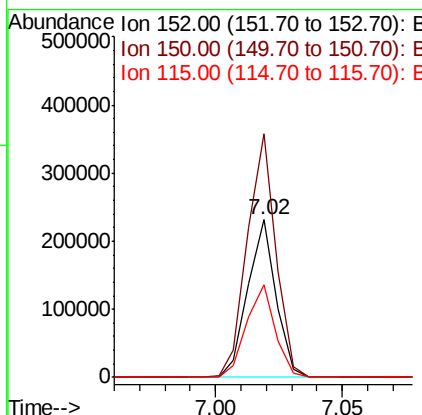
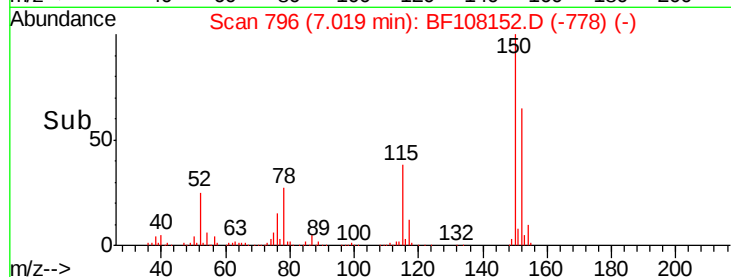
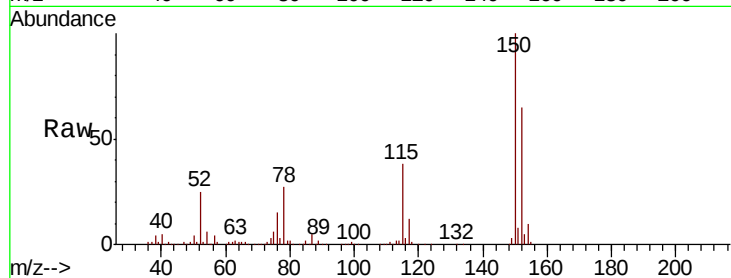


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :

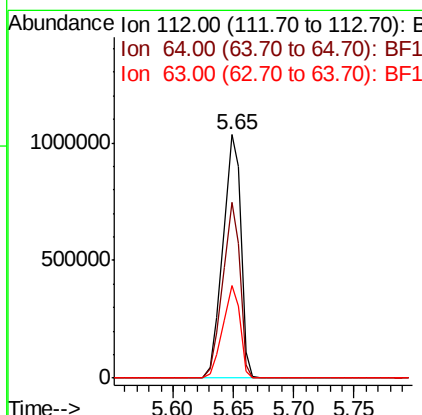
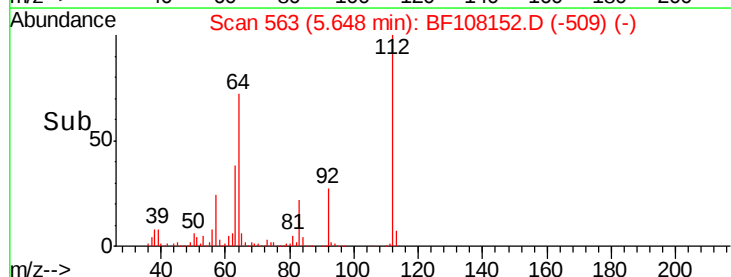
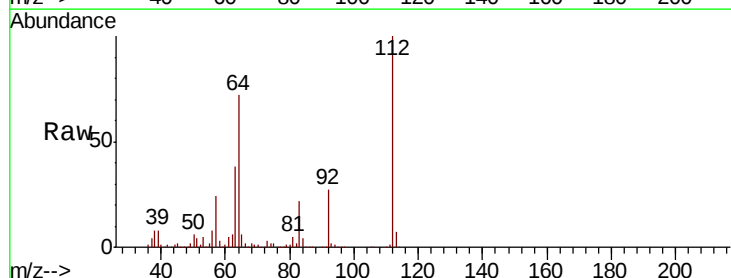
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	58.3	50.1	75.1



#5

2-Fluorophenol
Concen: 107.145 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.2	47.9	71.9#
63	38.0	23.7	35.5#





#7

Phenol-d6

Concen: 104.351 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

ClientSampleId :

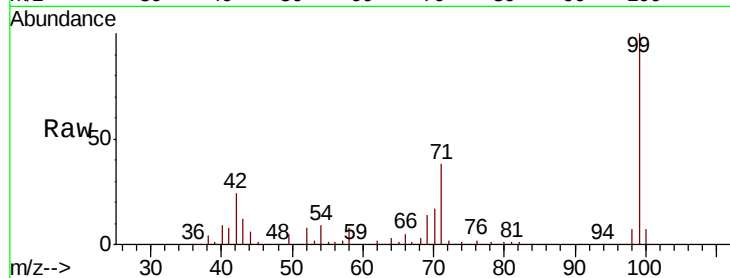
Tot Ion: 99 Resp: 1375369

Ion Ratio Lower Upper

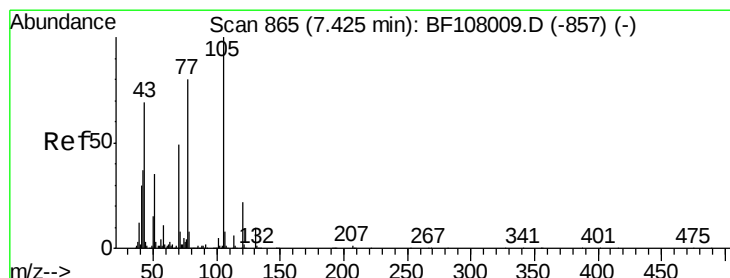
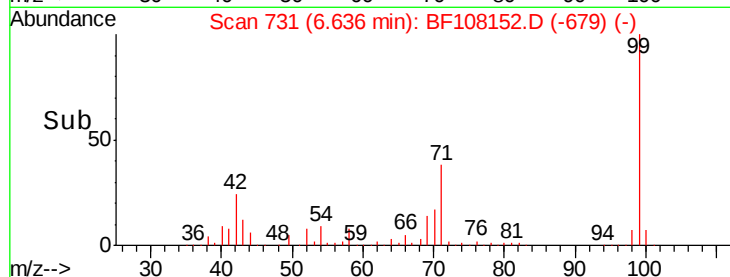
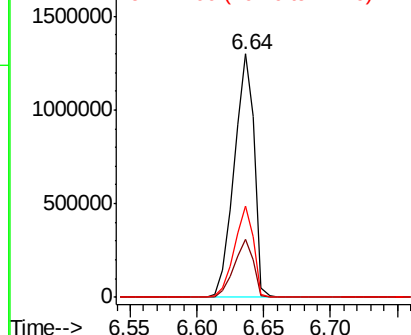
99 100

42 23.8 14.5 21.7#

71 37.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.479 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Tgt Ion: 70 Resp: 120134

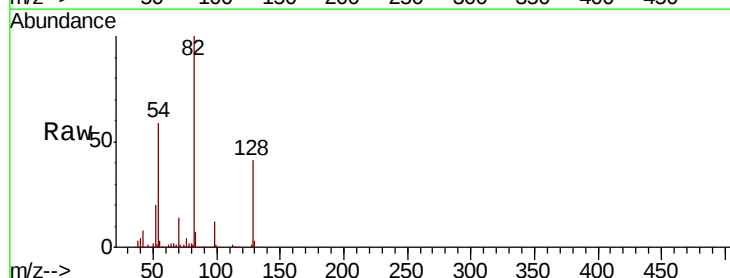
Ion Ratio Lower Upper

70 100

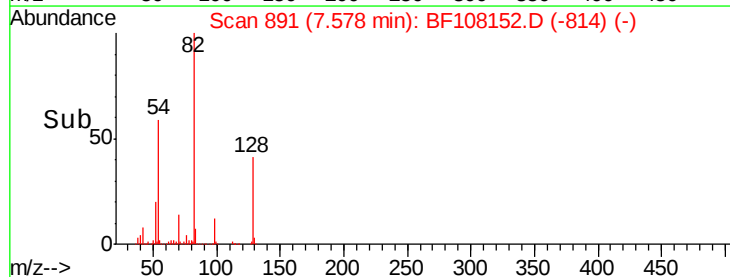
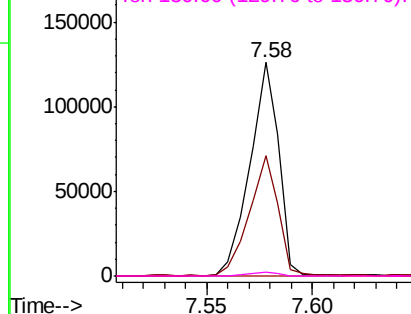
42 56.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108152.D

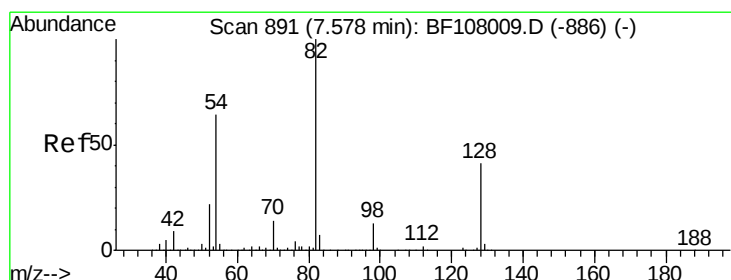
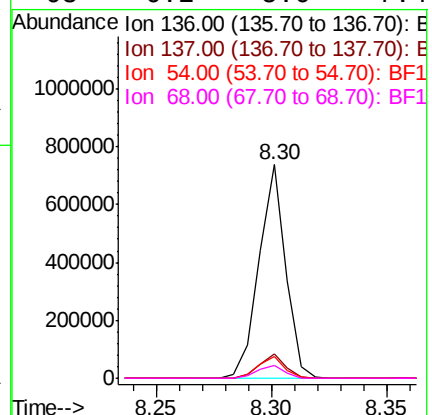
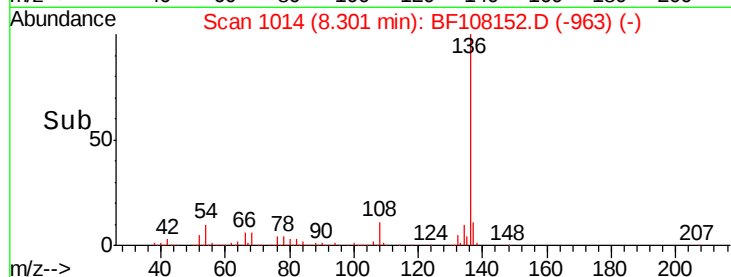
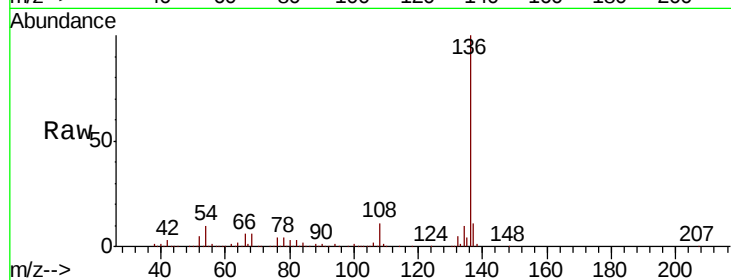
Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	596956
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.9 13.3
54	9.9	6.6 9.8#
68	6.2	5.0 7.4



#23

Nitrobenzene-d5

Concen: 82.124 ng

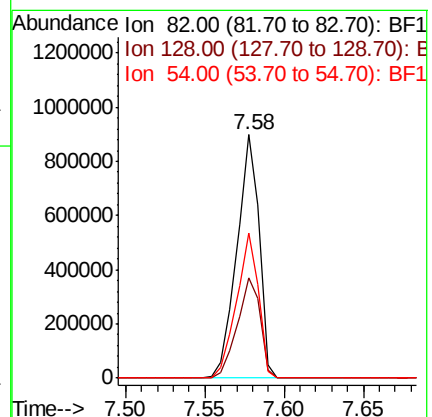
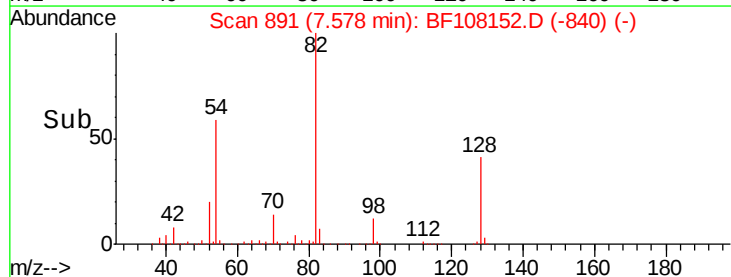
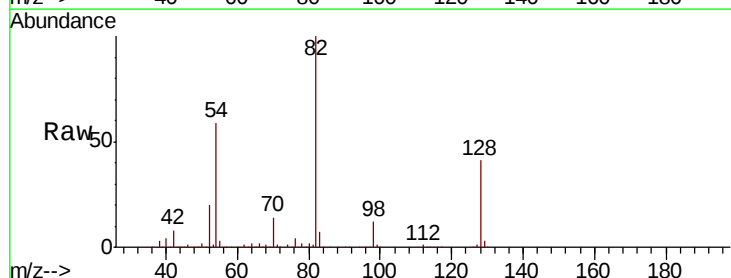
RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Tgt Ion: 82	Resp:	878555
Ion	Ratio	Lower Upper
82	100	
128	41.2	36.1 54.1
54	59.4	41.4 62.2





#25

Isophorone

Concen: 43.085 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

ClientSampleId :

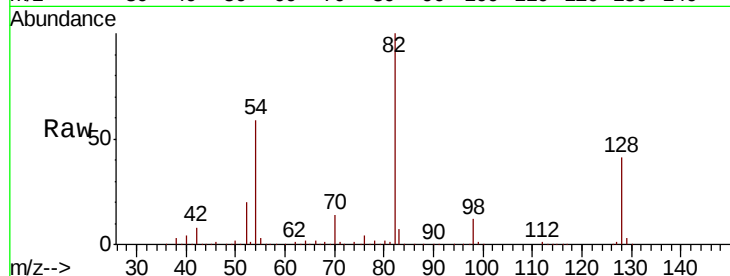
Tot Ion: 82 Resp: 878534

Ion Ratio Lower Upper

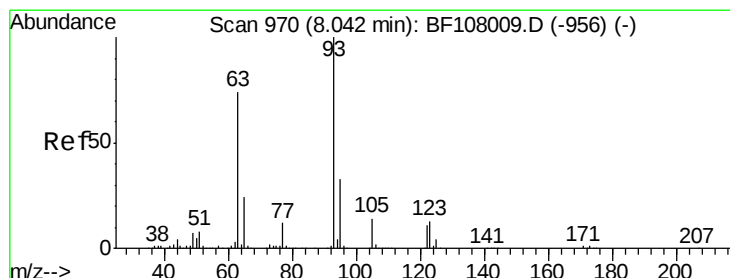
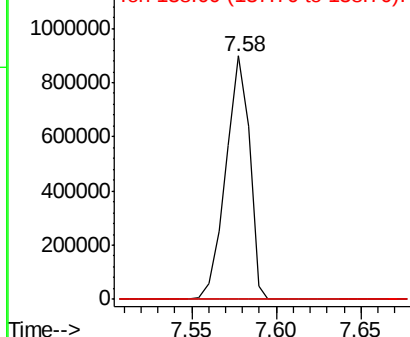
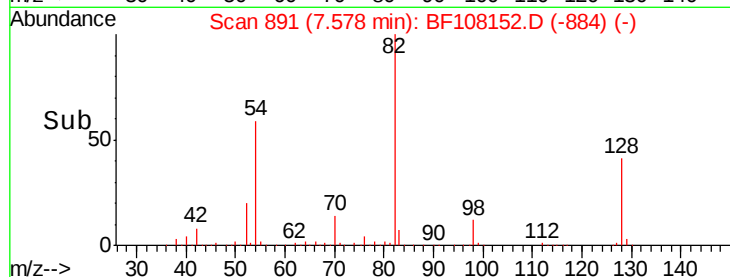
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.506 ng

RT: 8.07 min Scan# 974

Delta R.T. 0.02 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

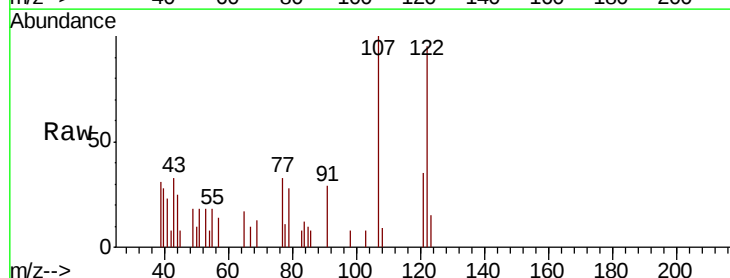
Tgt Ion: 122 Resp: 3186

Ion Ratio Lower Upper

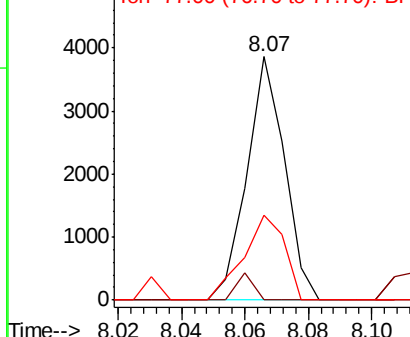
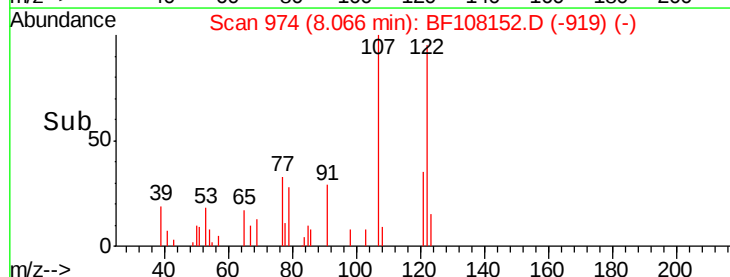
122 100

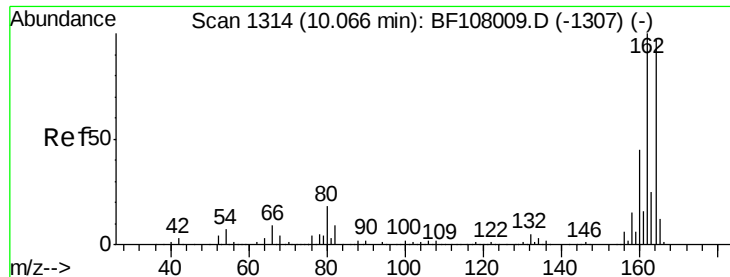
105 0.0 101.1 141.1#

77 34.9 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

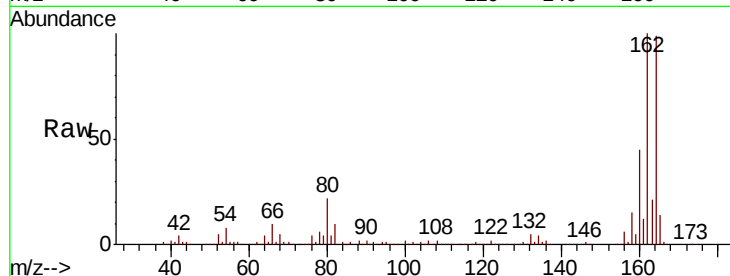




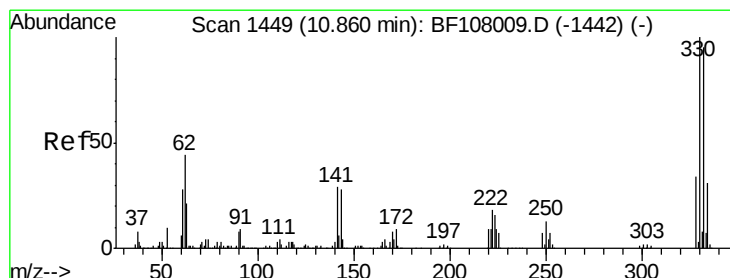
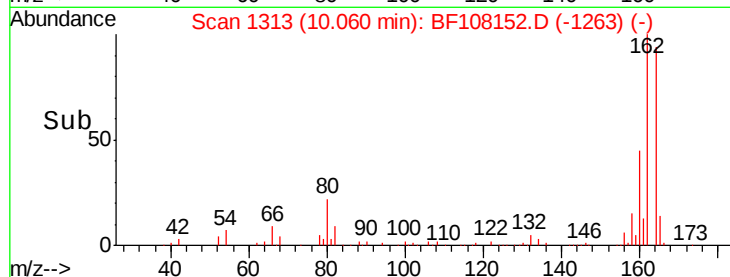
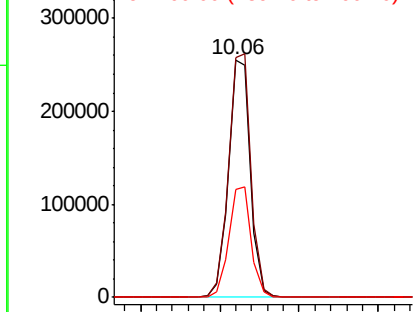
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	86.1	129.1
160	45.6	38.3	57.5

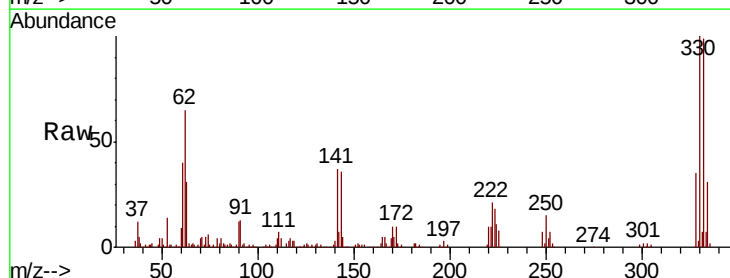


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

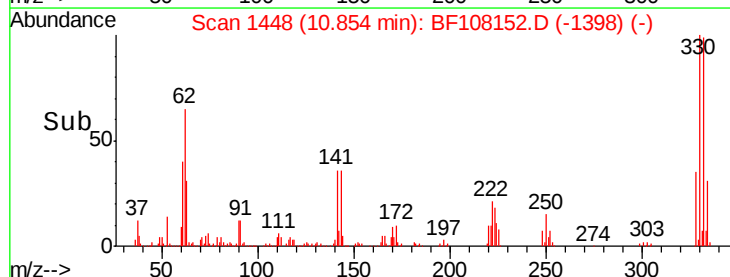
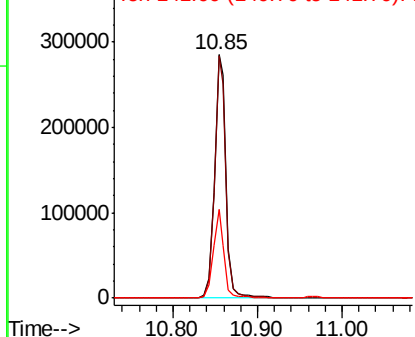


#41
2,4,6-Tribromophenol
Concen: 115.044 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	33.4	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

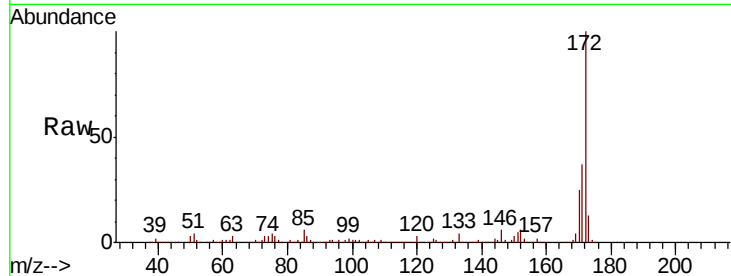




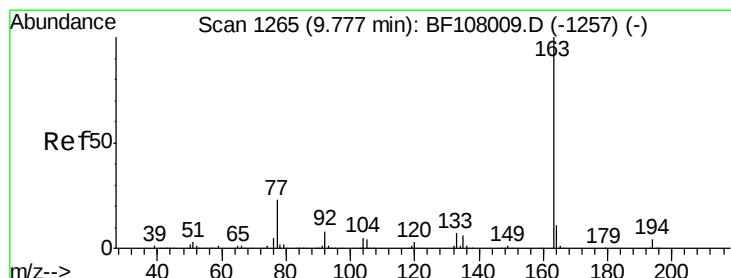
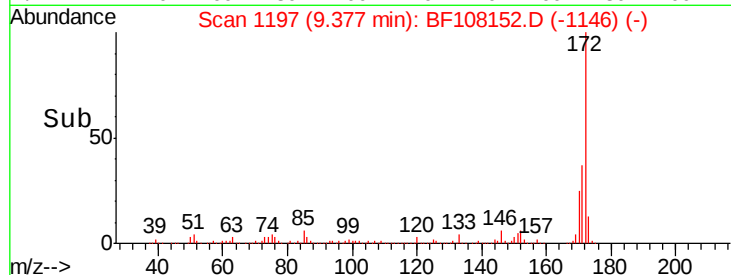
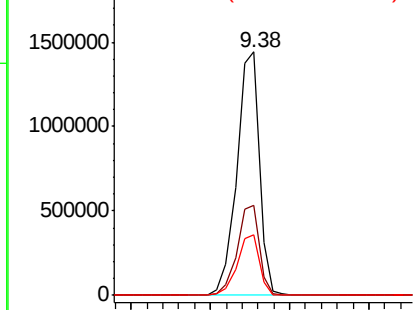
#44
2-Fluorobiphenyl
Concen: 93.900 ng
RT: 9.38 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1424801
Ion Ratio Lower Upper
172 100
171 37.2 29.7 44.5
170 24.6 19.6 29.4

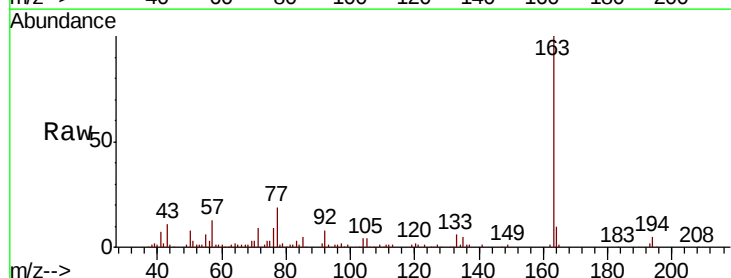


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

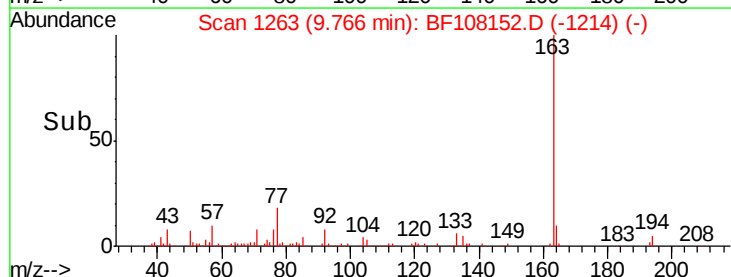
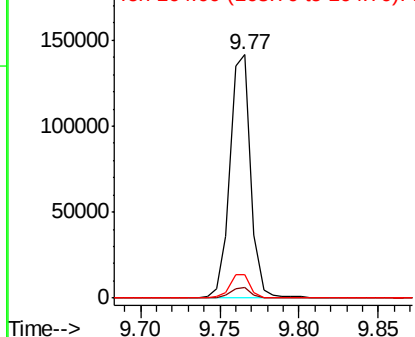


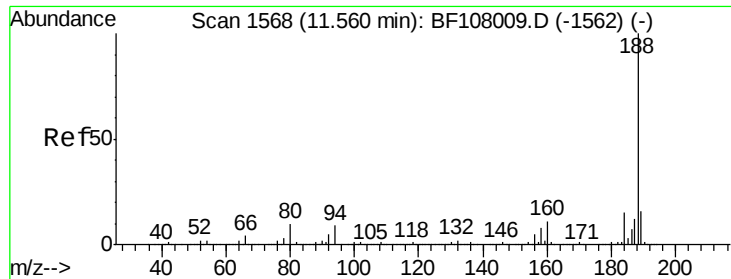
#49
Dimethylphthalate
Concen: 7.608 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion:163 Resp: 129100
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 9.5 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

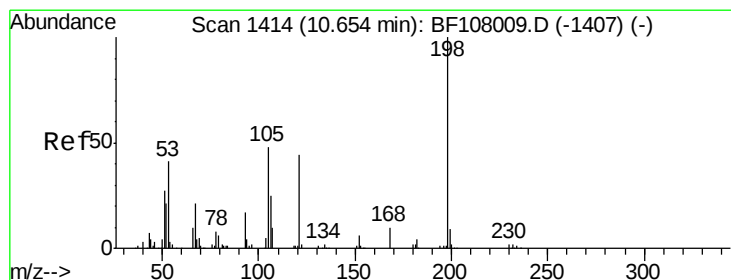
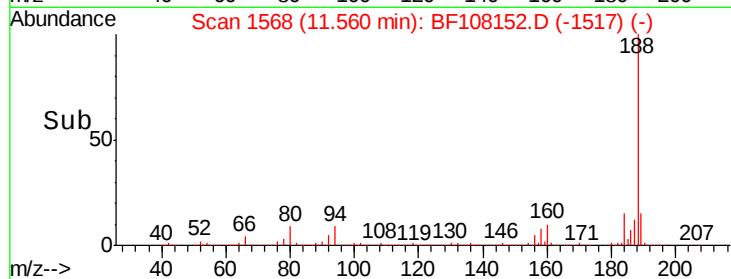
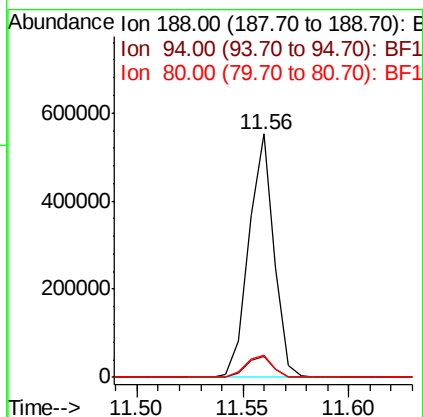
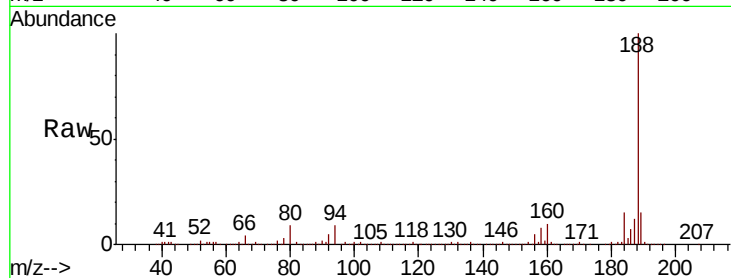




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

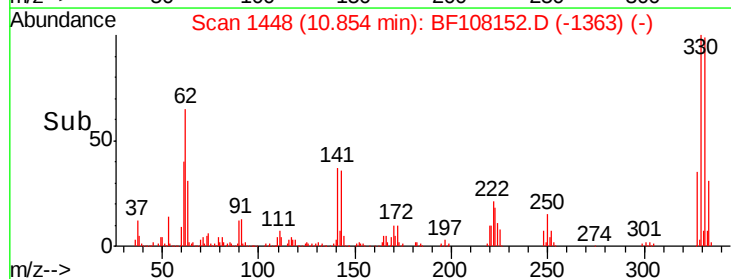
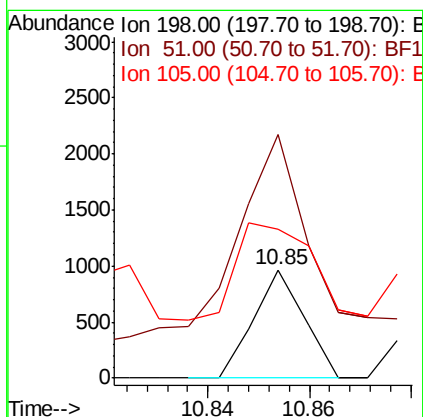
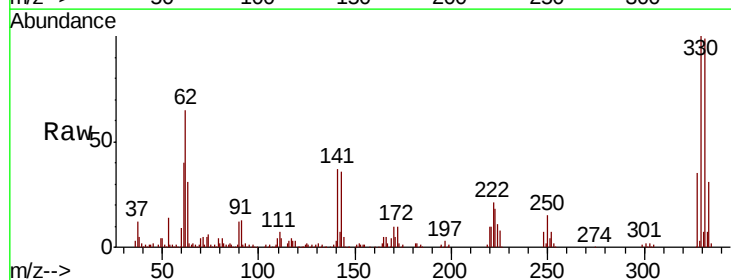
Instrument :
 BNA_F
 ClientSampleId :

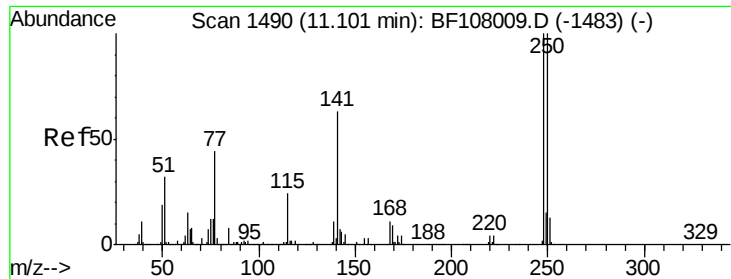
Tot Ion:188 Resp: 454810
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.5 12.7
 80 9.1 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.703 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

Tgt Ion:198 Resp: 662
 Ion Ratio Lower Upper
 198 100
 51 225.1 37.7 77.7#
 105 138.0 36.3 76.3#

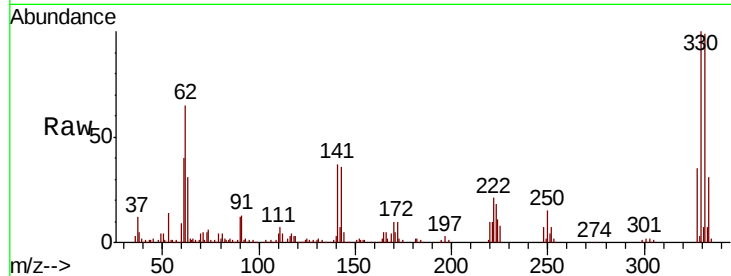




#66
 4-Bromophenyl-phenylether
 Concen: 3.665 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	206.4	76.9	115.3#
141	517.8	74.4	111.6#

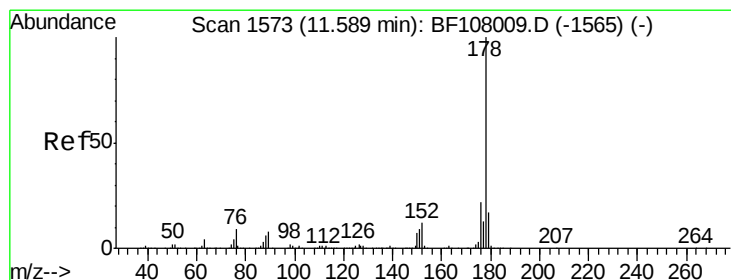
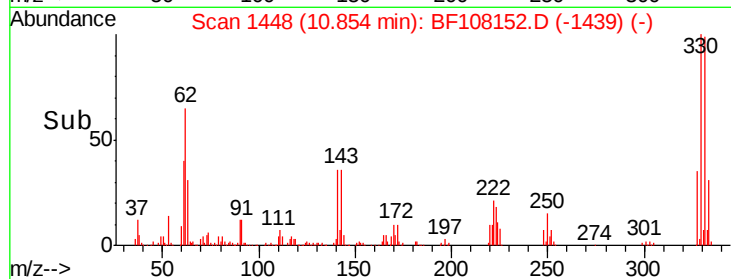
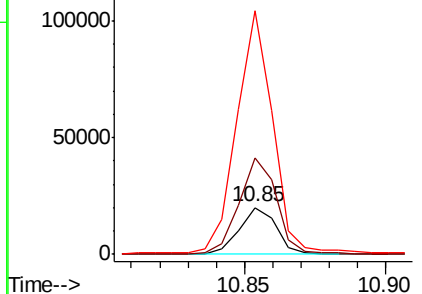


Abundance

Ion 248.00 (247.70 to 248.70): E

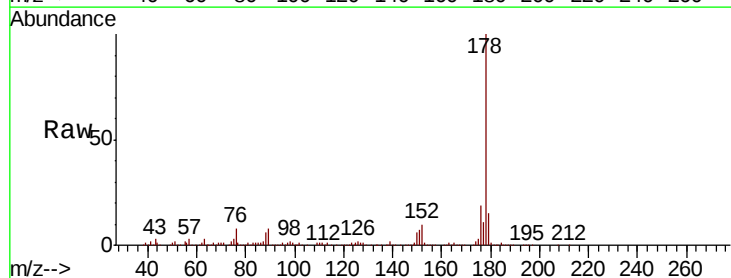
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
 Phenanthrene
 Concen: 9.103 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	13.0	19.6

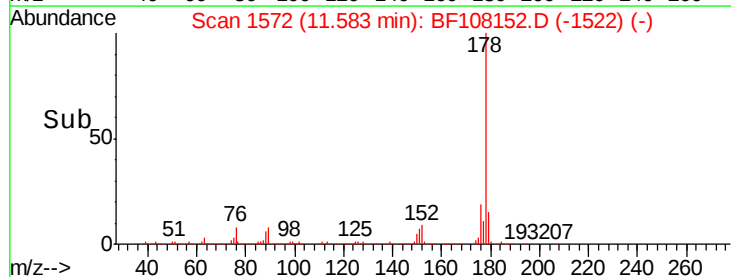
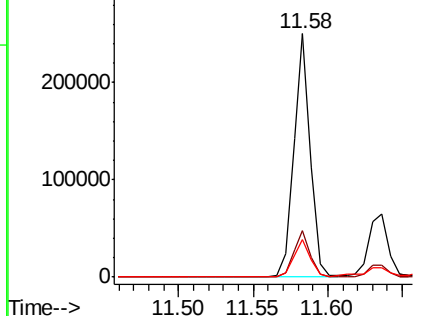


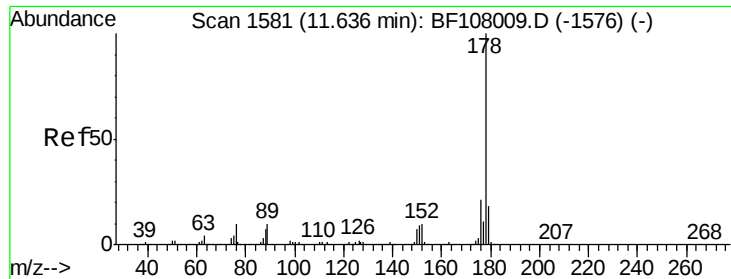
Abundance

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

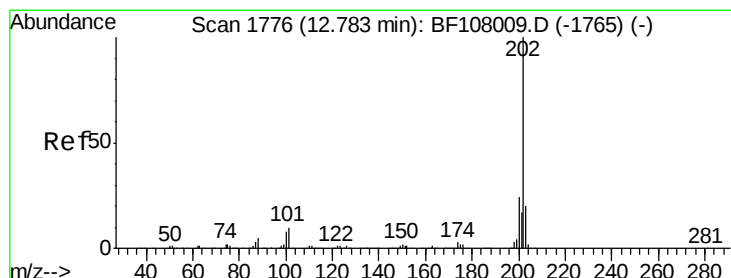
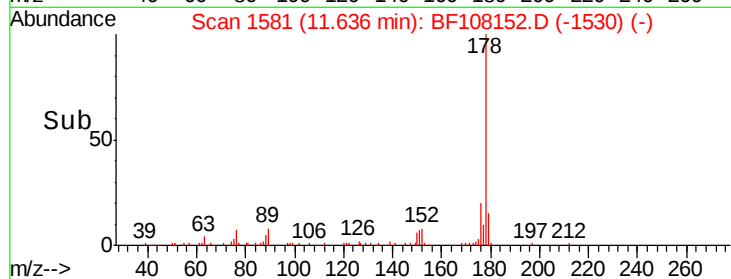
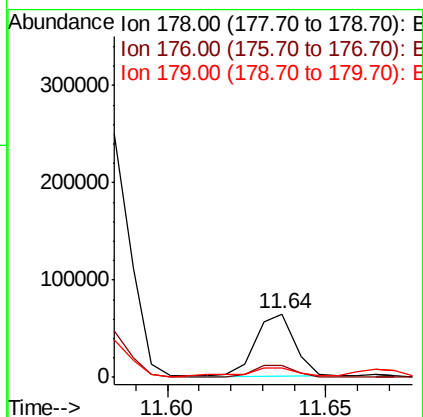
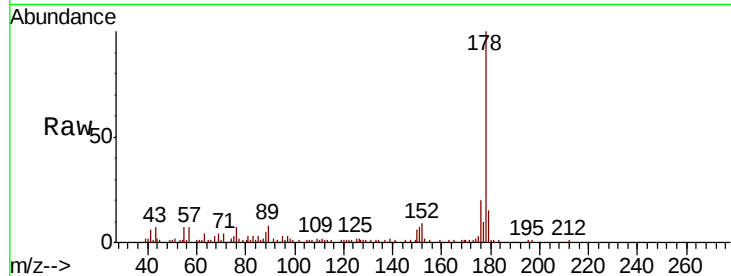




#71
 Anthracene
 Concen: 2.547 ng
 RT: 11.64 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

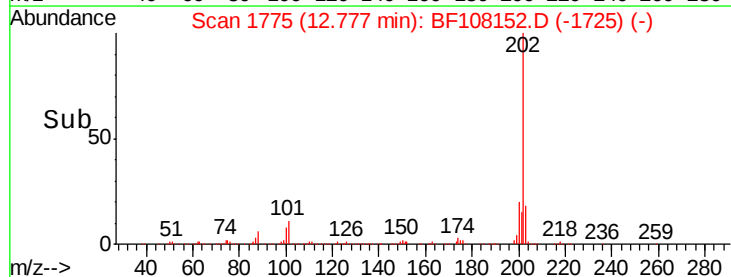
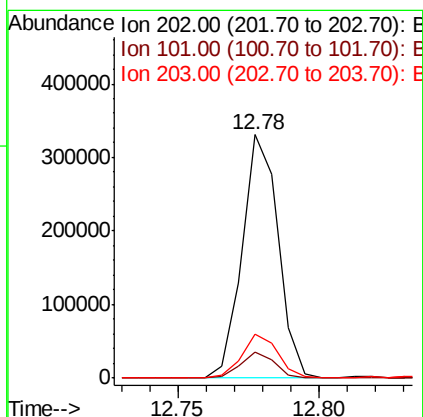
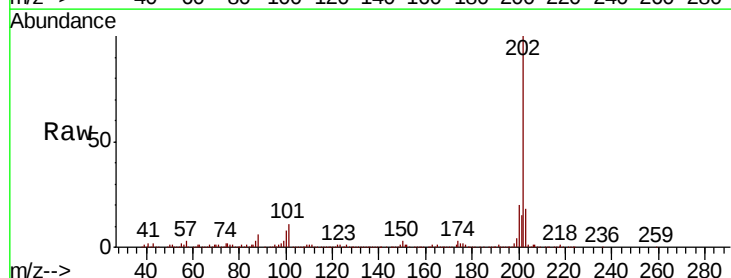
Instrument :
 BNA_F
 ClientSampleId :

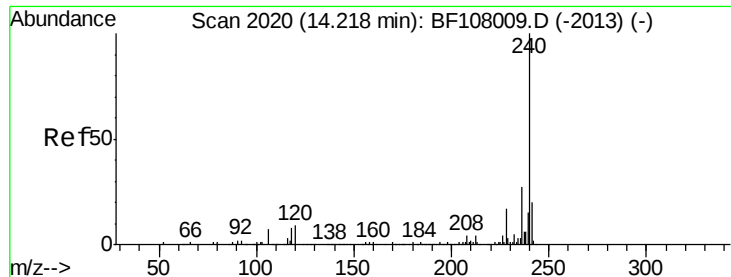
Tot Ion:178 Resp: 55992
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.2 12.6 19.0



#74
 Fluoranthene
 Concen: 12.521 ng
 RT: 12.78 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

Tgt Ion:202 Resp: 293140
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 34.1
 203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

ClientSampleId :

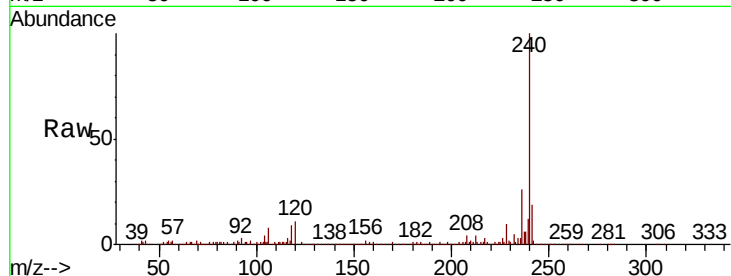
Tot Ion:240 Resp: 454300

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

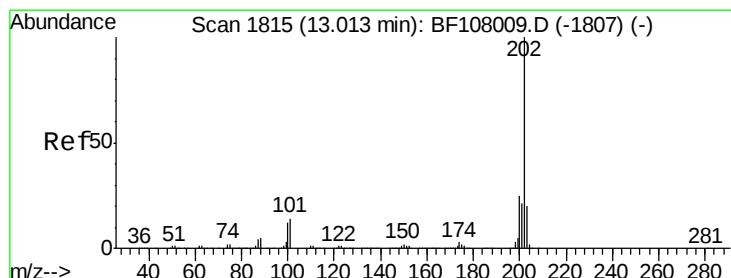
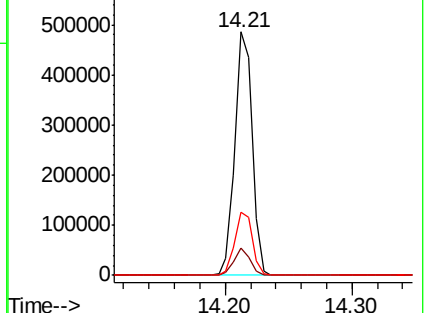
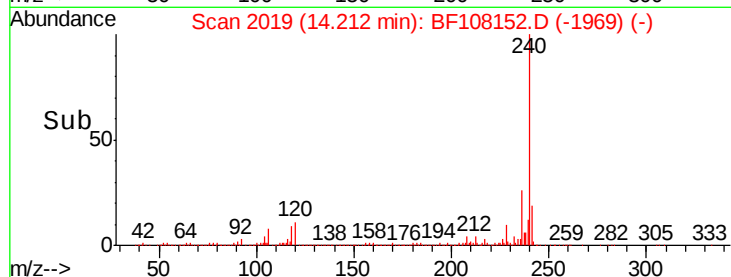
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 9.089 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

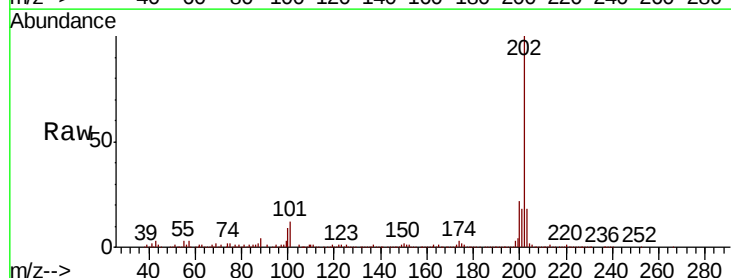
Tgt Ion:202 Resp: 261426

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

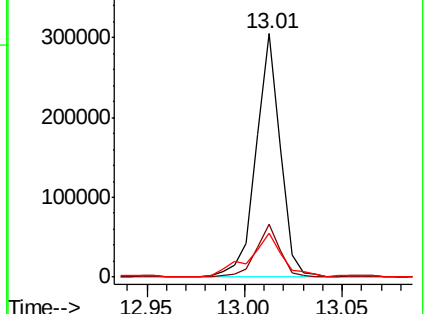
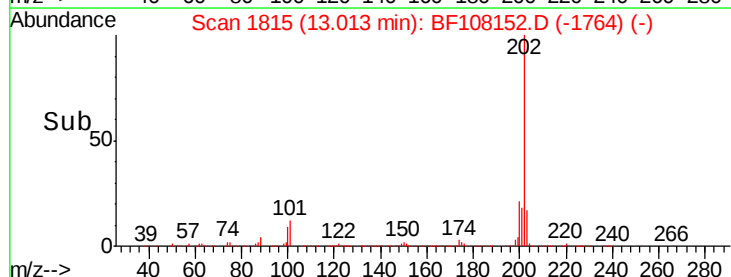
203 17.8 14.3 21.5

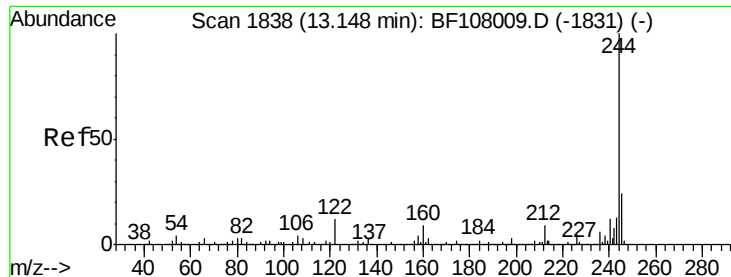


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 82.738 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

ClientSampled :

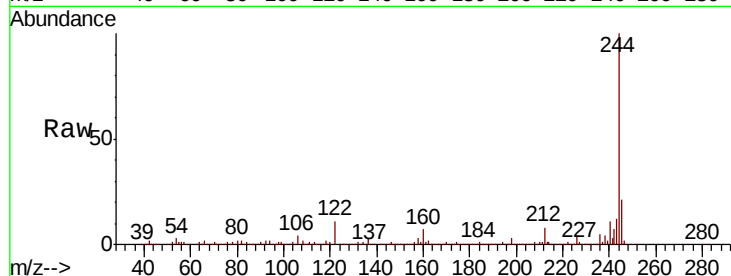
Tot Ion:244 Resp: 1478340

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

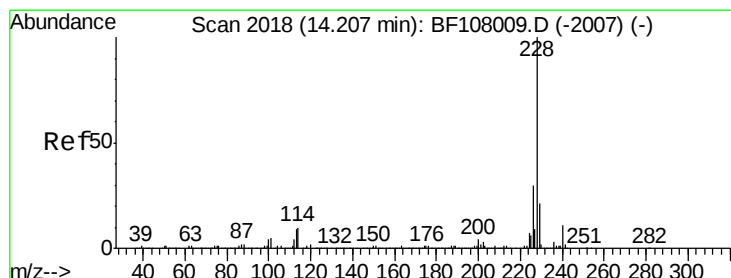
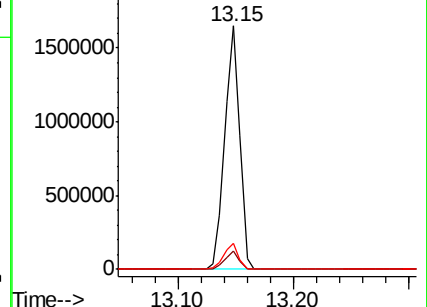
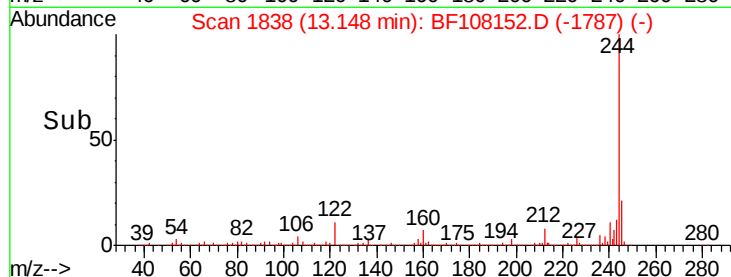
122 10.5 11.0 16.4#



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: 5.553 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

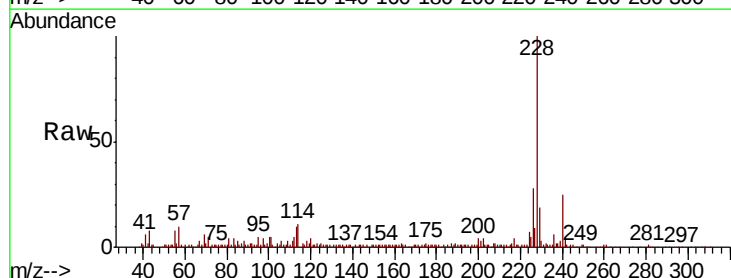
Tgt Ion:228 Resp: 144790

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

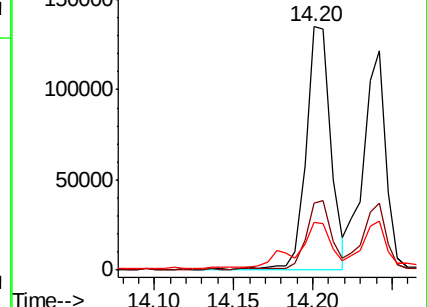
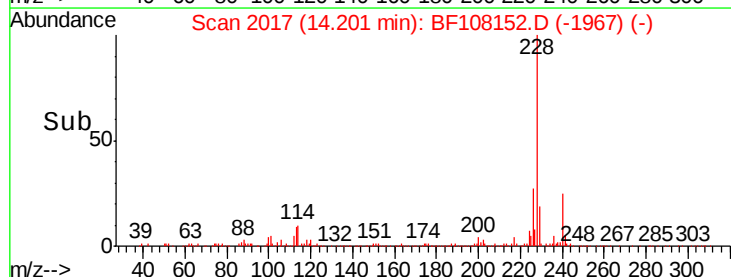
229 19.5 15.8 23.6

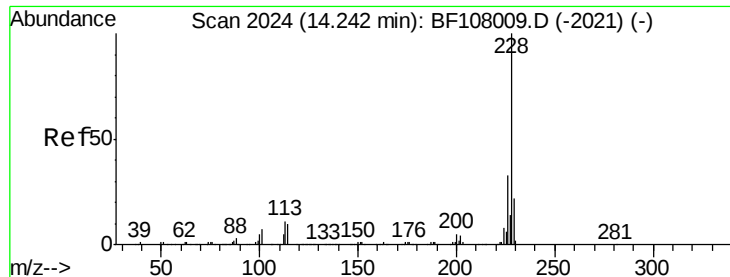


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.073 ng

RT: 14.24 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

ClientSampleId :

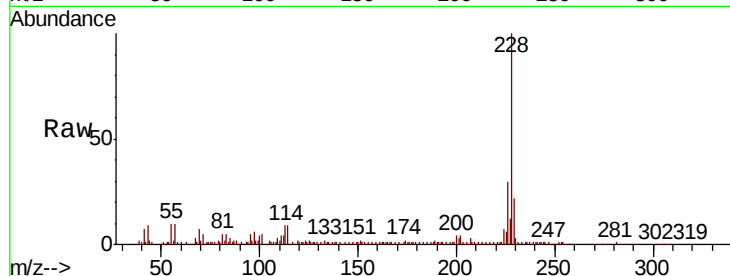
Tot Ion:228 Resp: 121258

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

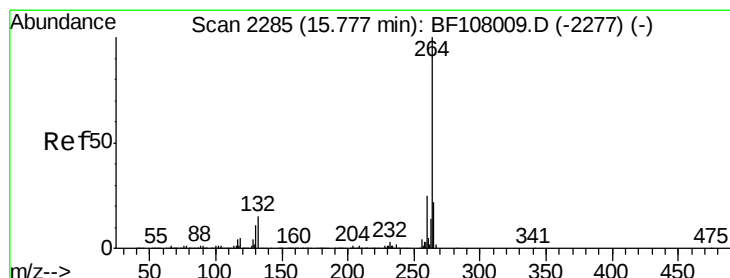
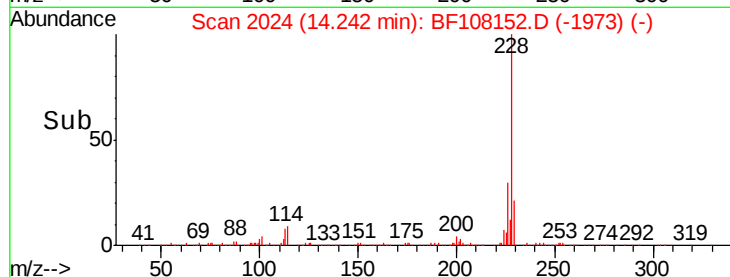
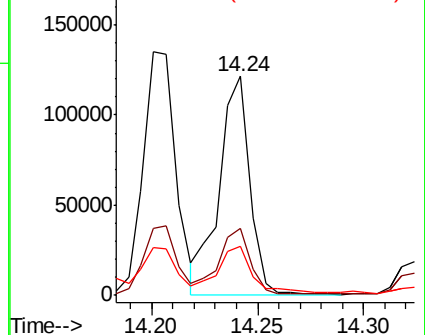
229 22.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

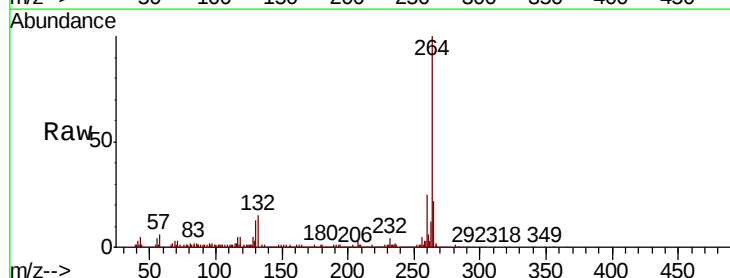
Tgt Ion:264 Resp: 297111

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

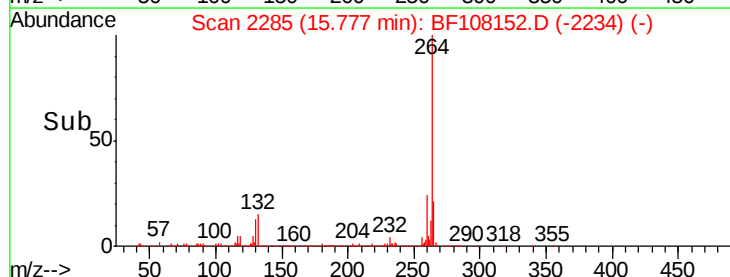
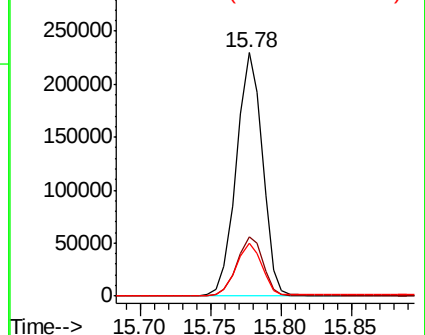
265 21.6 17.5 26.3

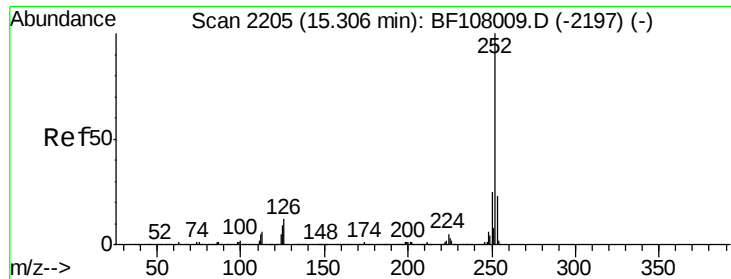


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

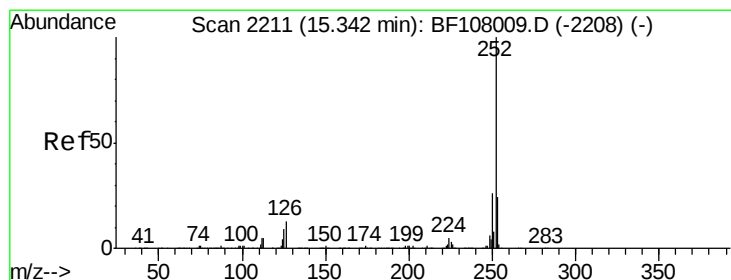
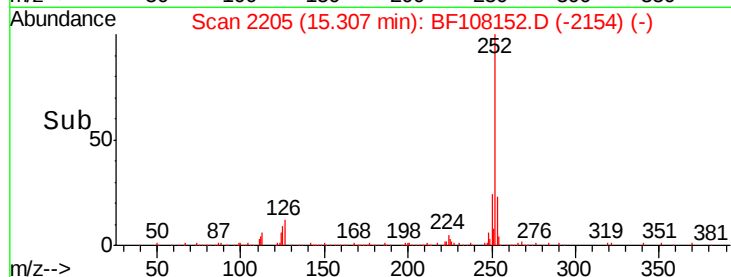
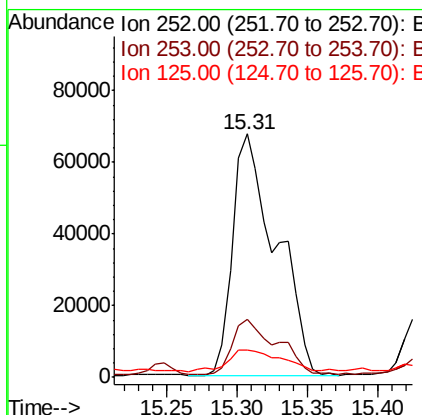
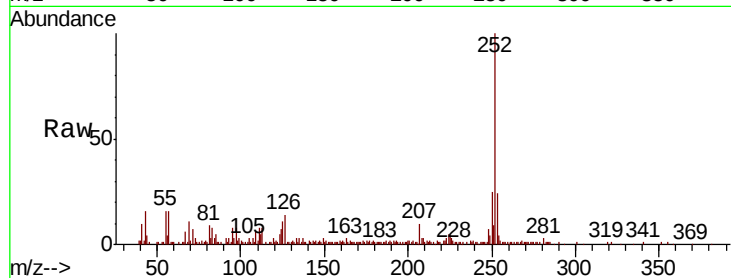




#87
Benzo(b)fluoranthene
Concen: 8.180 ng
RT: 15.31 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

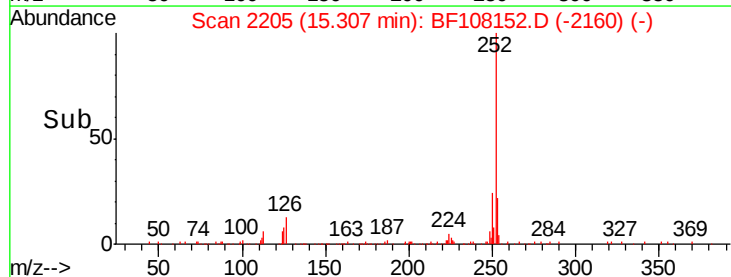
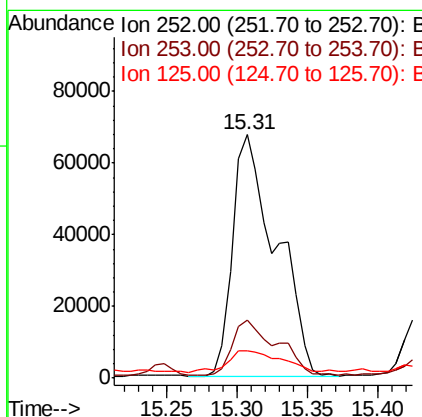
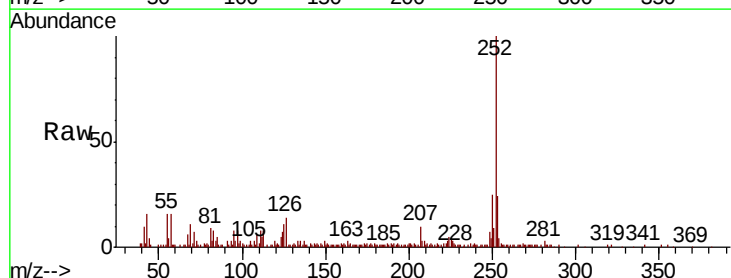
Instrument :
BNA_F
ClientSampleId :

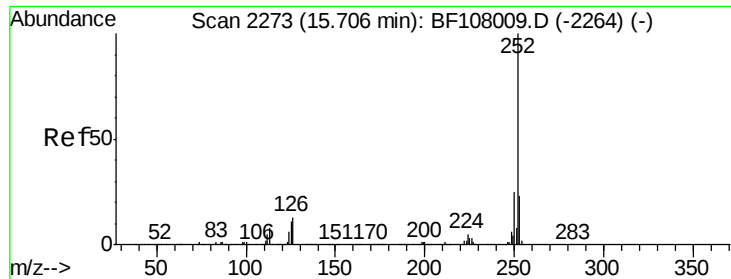
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	11.5	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 8.898 ng
RT: 15.31 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	11.5	10.2	15.2

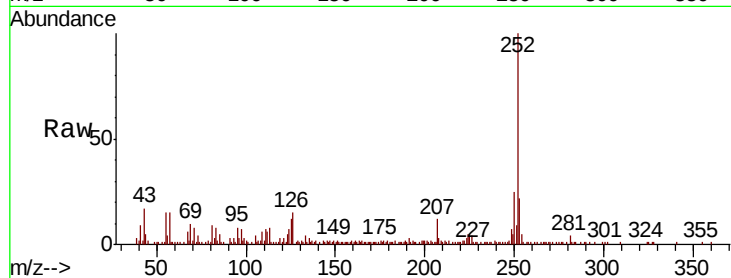




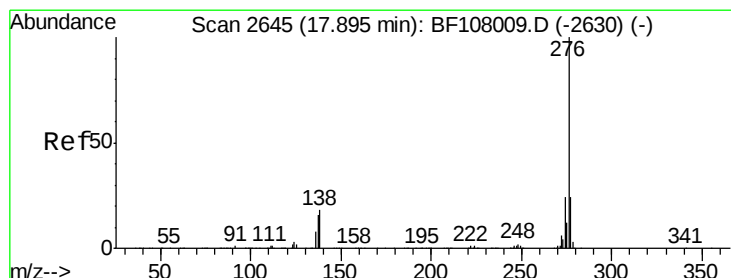
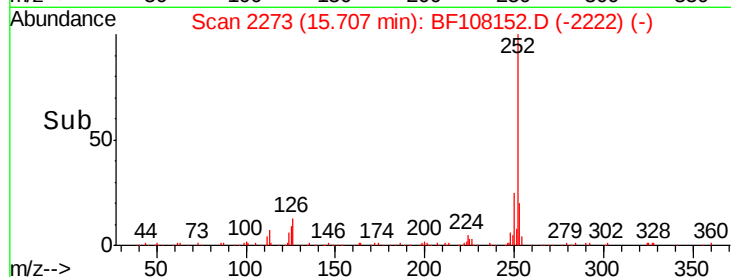
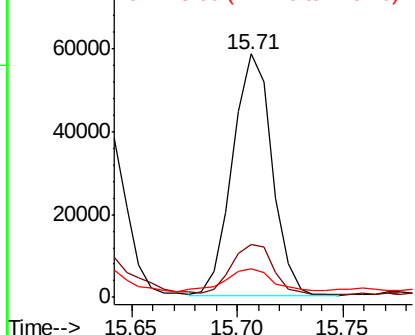
#89
Benzo(a)pyrene
Concen: 4.761 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 75694
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 11.8 9.8 14.6

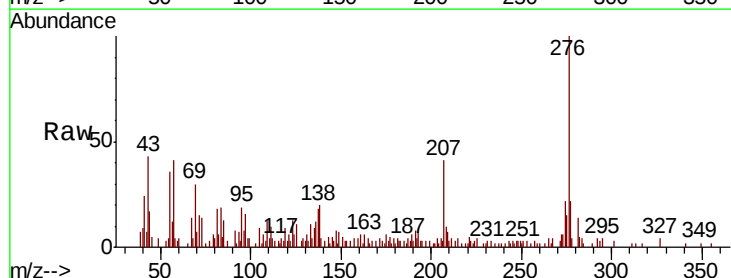


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.682 ng
RT: 17.88 min Scan# 2643
Delta R.T. -0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion:276 Resp: 34743
Ion Ratio Lower Upper
276 100
277 21.5 17.9 26.9
138 19.7 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

