

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108895.D
 Acq On : 10 Sep 2018 16:16
 Operator : JU/SJ
 Sample : J4777-03 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 18:51:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	198035	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	716696	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	305114	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	504060	20.00	ng	0.00
75) Chrysene-d12	13.88	240	511814	20.00	ng	0.01
86) Perylene-d12	15.29	264	418288	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	209686	17.54	ng	0.00
7) Phenol-d6	6.36	99	267155	17.37	ng	0.00
23) Nitrobenzene-d5	7.29	82	150055	13.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	44440	15.26	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	295793	16.54	ng	0.00
78) Terphenyl-d14	12.82	244	251657	11.47	ng	0.00

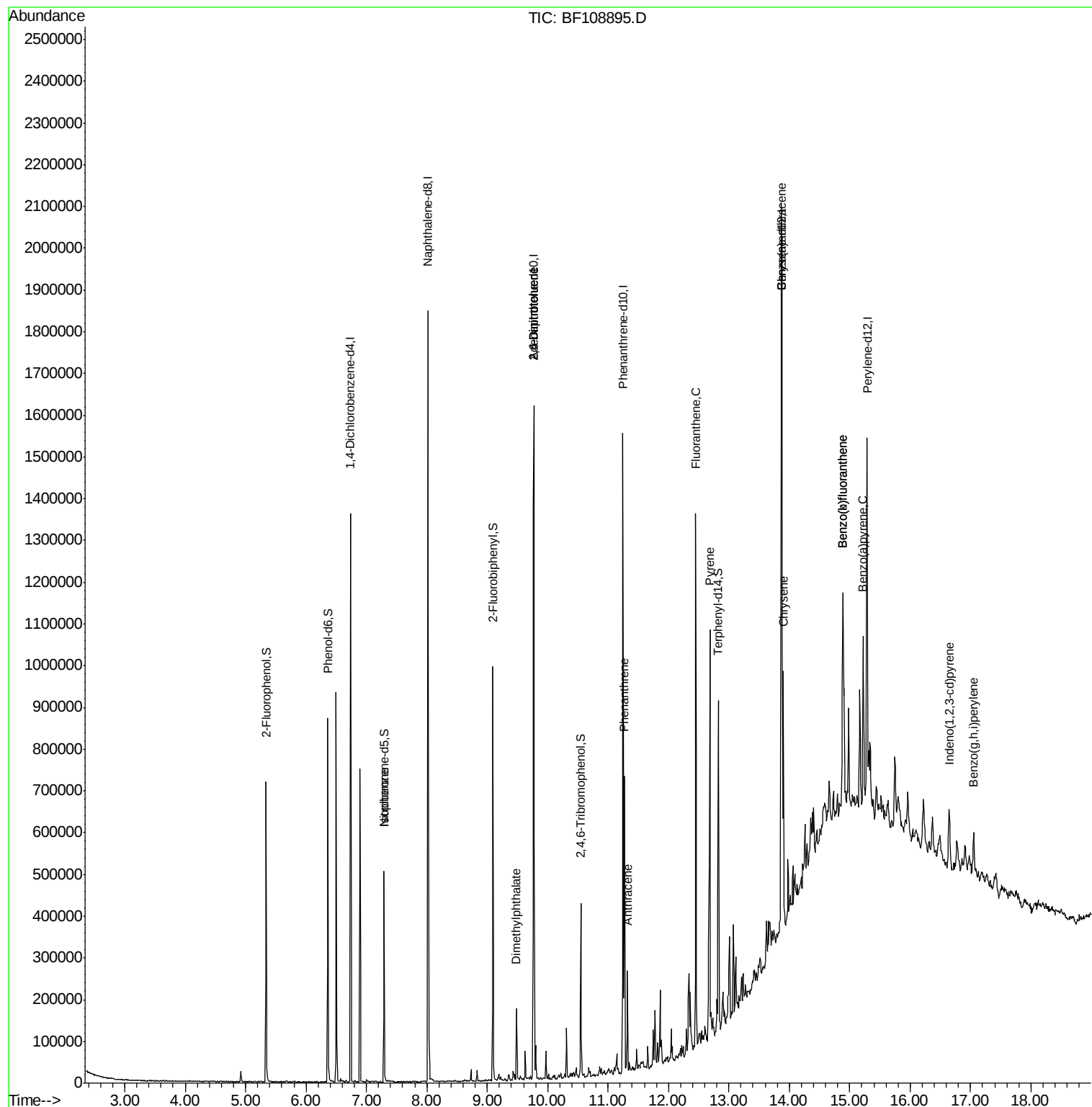
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.29	82	150051	6.569	ng	# 64
49) Dimethylphthalate	9.48	163	65133	3.052	ng	99
50) 2,6-Dinitrotoluene	9.77	165	40112	9.864	ng	# 26
56) 2,4-Dinitrotoluene	9.77	165	40112	7.713	ng	# 23
70) Phenanthrene	11.27	178	239398	9.945	ng	98
71) Anthracene	11.32	178	82145	3.564	ng	99
74) Fluoranthene	12.45	202	460415	19.319	ng	98
77) Pyrene	12.68	202	415900	10.560	ng	100
80) Benzo(a)anthracene	13.87	228	262189	7.992	ng	97
82) Chrysene	13.90	228	252275	7.944	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	93833	3.339	ng	# 91
87) Benzo(b)fluoranthene	14.88	252	386469	16.992	ng	96
88) Benzo(k)fluoranthene	14.88	252	386469	18.451	ng	98
89) Benzo(a)pyrene	15.22	252	192717	9.390	ng	94
91) Benzo(a,h,i)perylene	17.05	276	82889	4.578	ng	93

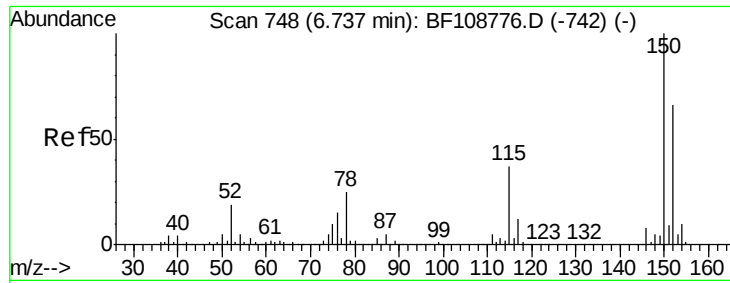
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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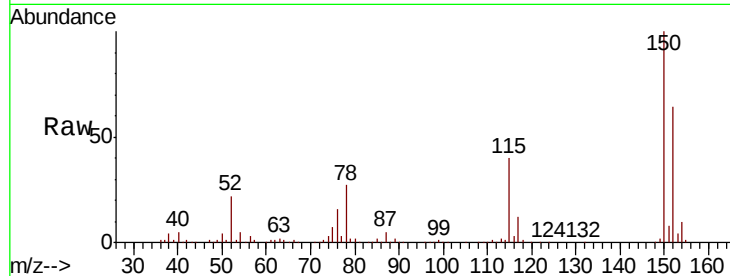


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF108895.D
 Acq: 10 Sep 2018 16:16

Instrument :
 BNA_E
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	62.6	50.1	75.1

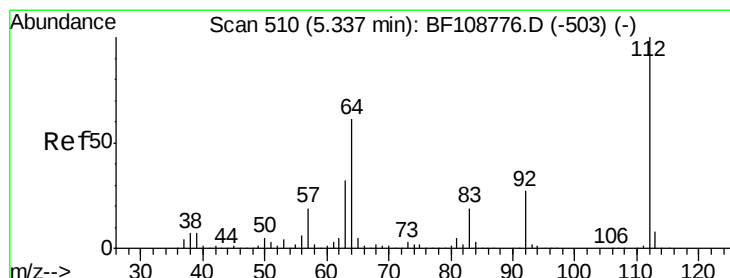
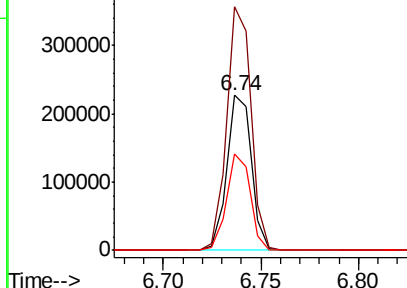
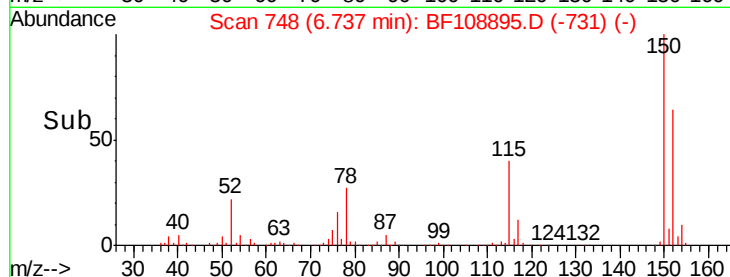


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

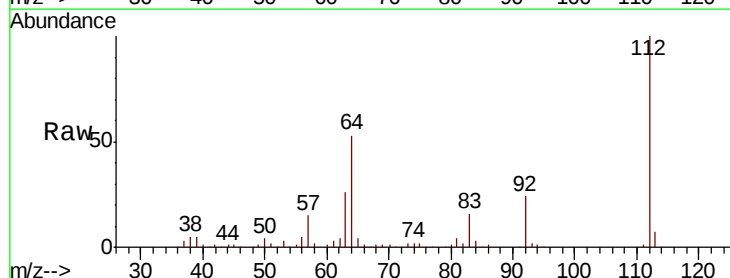
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 17.541 ng
 RT: 5.34 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: BF108895.D
 Acq: 10 Sep 2018 16:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	25.5	23.7	35.5

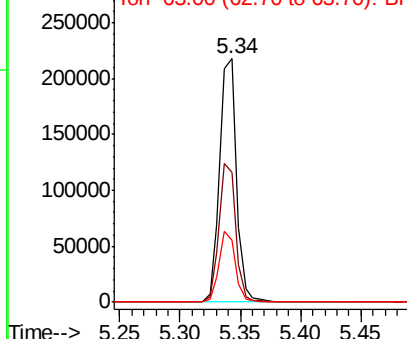
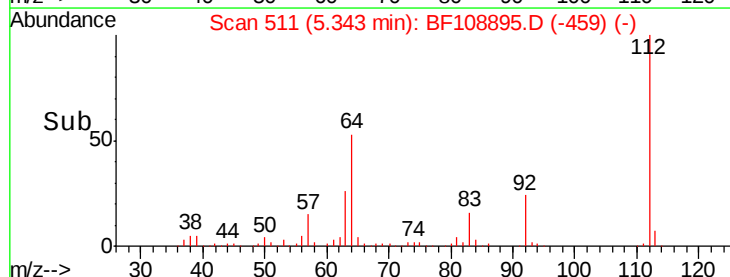


Abundance

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: 17.370 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

Instrument :

BNA_E

ClientSampleId :

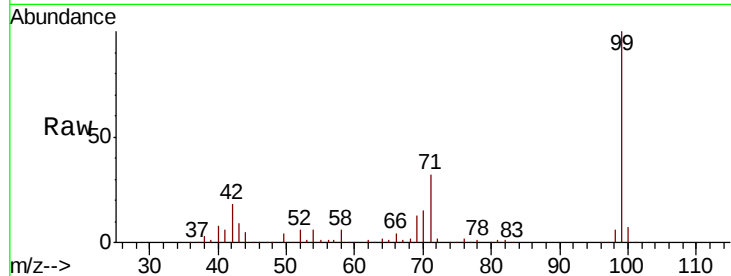
Tot Ion: 99 Resp: 267155

Ion Ratio Lower Upper

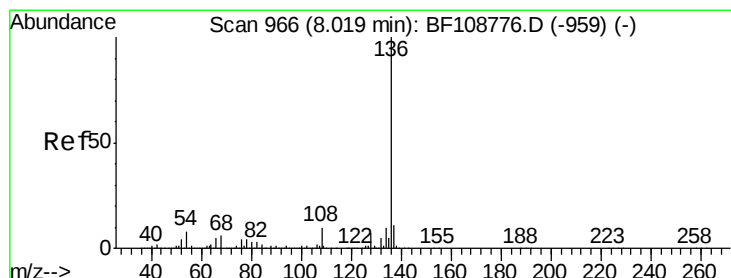
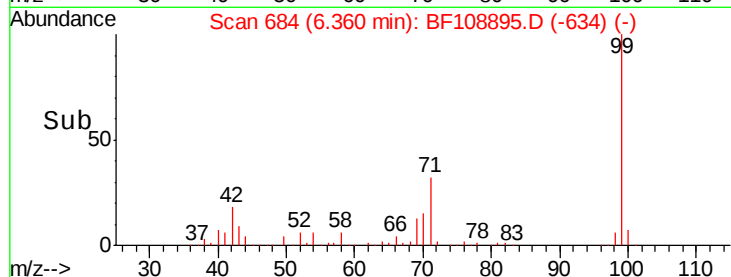
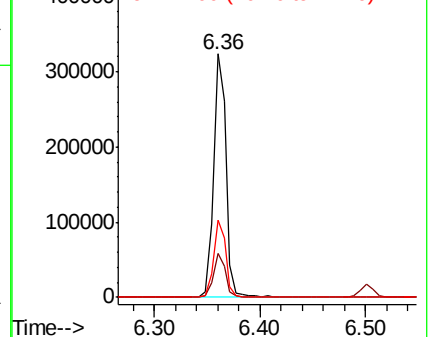
99 100

42 18.3 14.5 21.7

71 31.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

Tgt Ion: 136 Resp: 716696

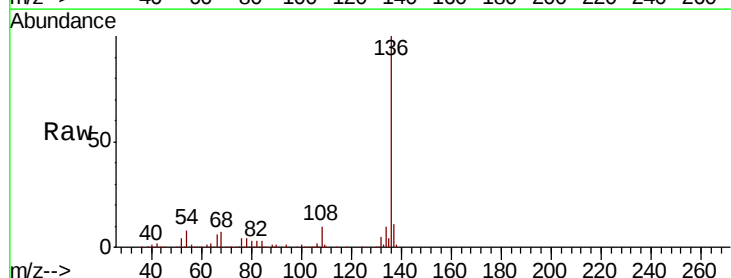
Ion Ratio Lower Upper

136 100

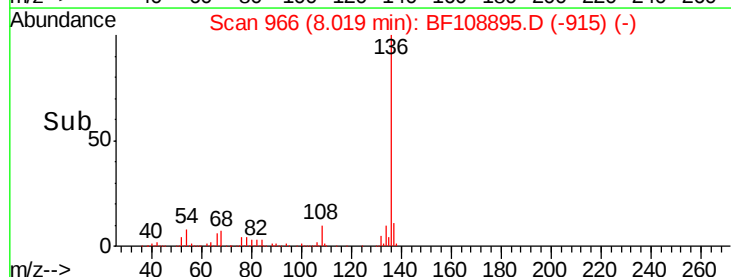
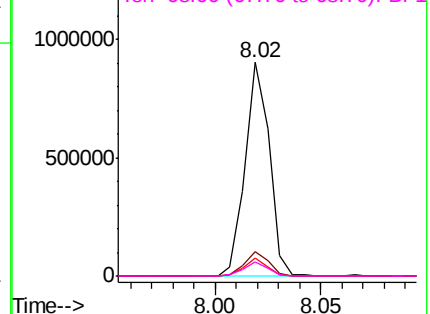
137 11.5 8.9 13.3

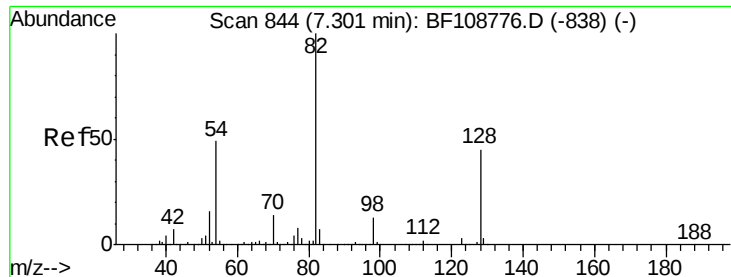
54 8.2 6.6 9.8

68 6.7 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): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 13.103 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF108895.D

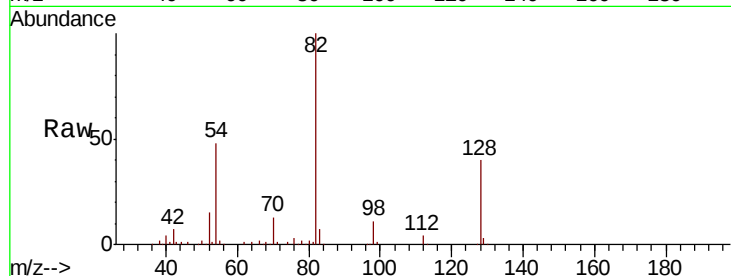
Acq: 10 Sep 2018 16:16

Instrument :

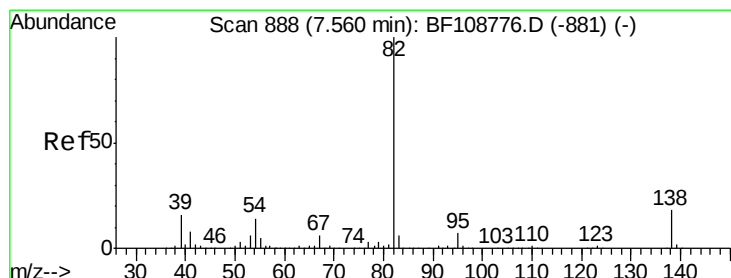
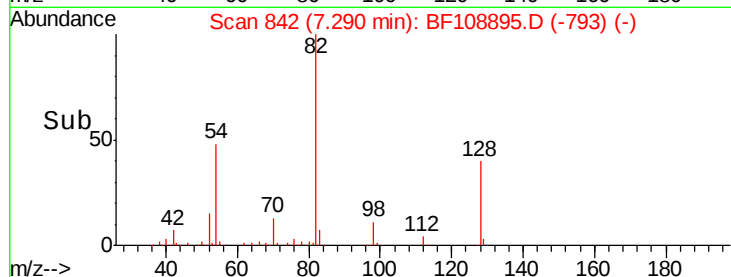
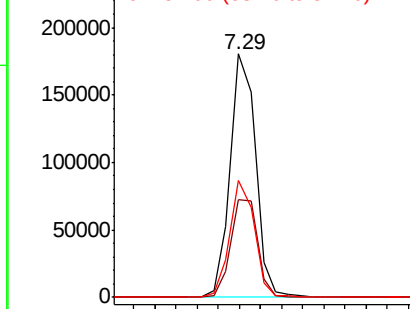
BNA_E

ClientSampled :

Tot Ion:	82	Resp:	150055
Ion	Ratio	Lower	Upper
82	100		
128	40.0	36.1	54.1
54	47.9	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 6.569 ng

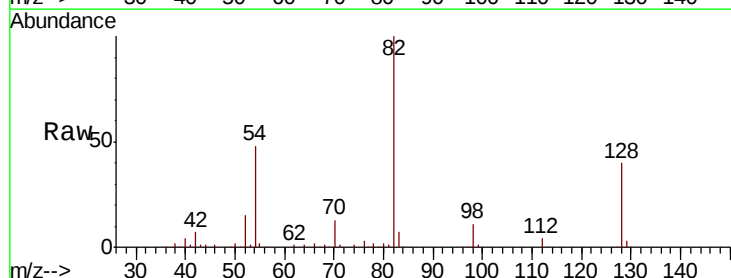
RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

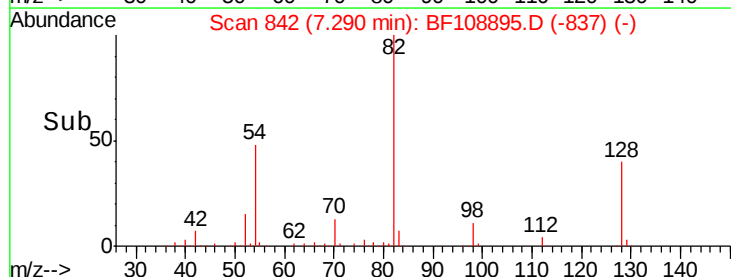
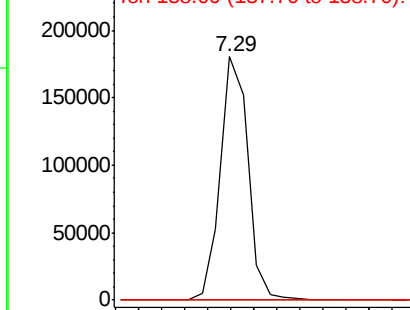
Lab File: BF108895.D

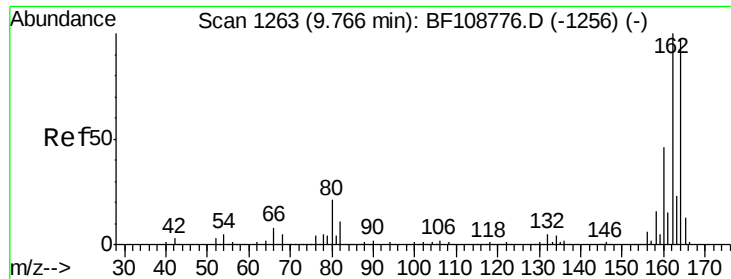
Acq: 10 Sep 2018 16:16

Tgt Ion:	82	Resp:	150051
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

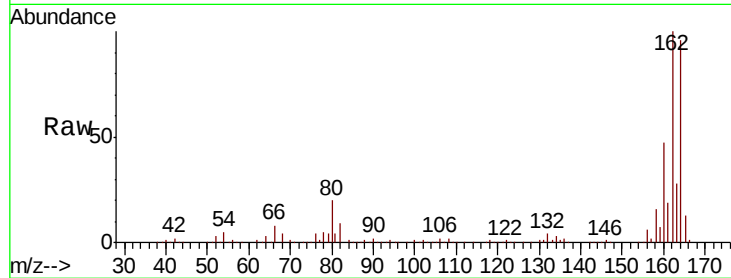




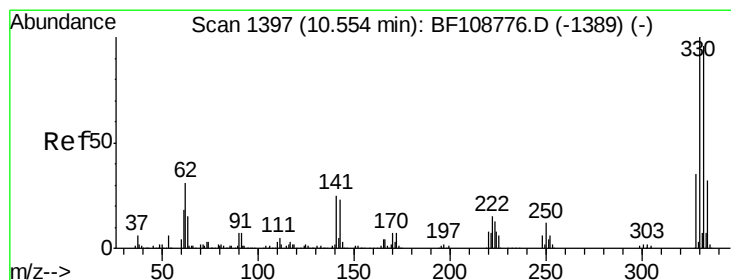
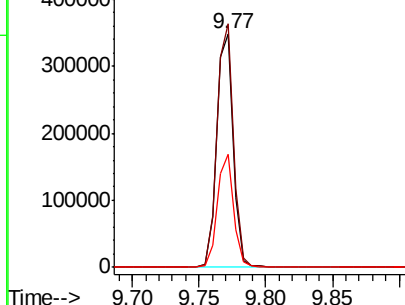
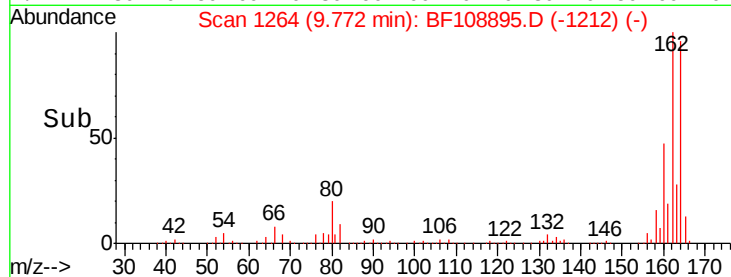
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BF108895.D
Acq: 10 Sep 2018 16:16

Instrument :
BNA_E
ClientSampled :

Tot Ion:164 Resp: 305114
Ion Ratio Lower Upper
164 100
162 104.1 86.1 129.1
160 48.6 38.3 57.5

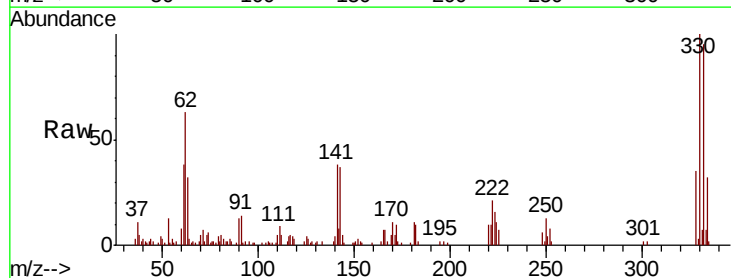


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

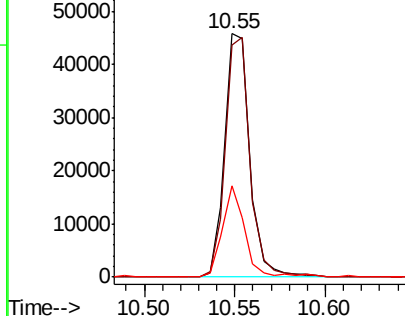
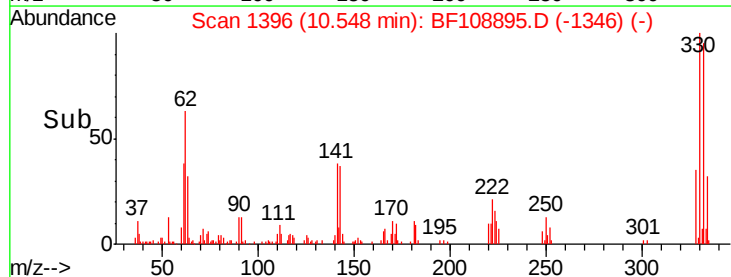


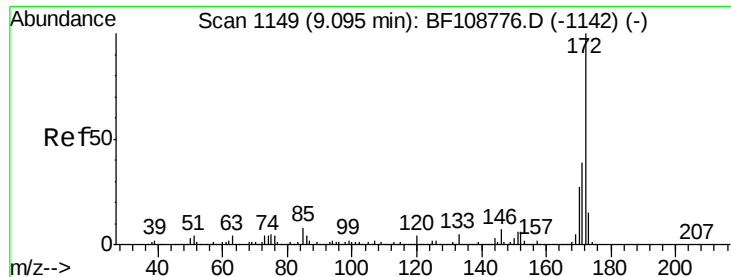
#41
2,4,6-Tribromophenol
Concen: 15.257 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF108895.D
Acq: 10 Sep 2018 16:16

Tgt Ion:330 Resp: 44440
Ion Ratio Lower Upper
330 100
332 96.4 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

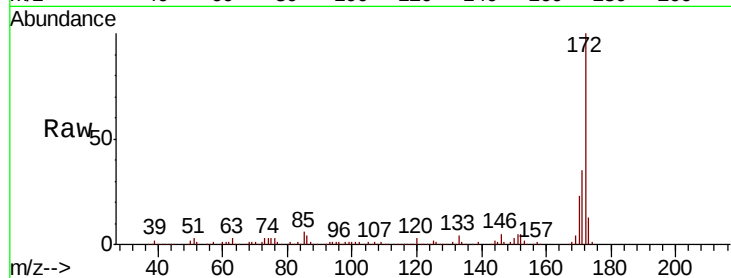




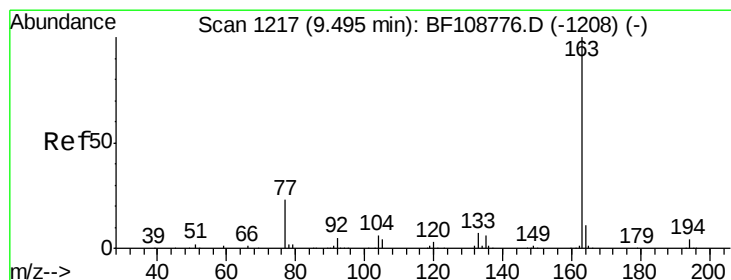
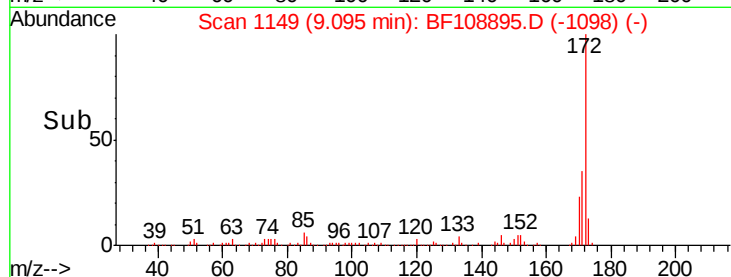
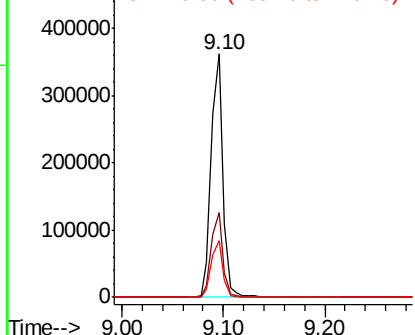
#44
2-Fluorobiphenyl
Concen: 16.539 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108895.D
Acq: 10 Sep 2018 16:16

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 295793
Ion Ratio Lower Upper
172 100
171 34.8 29.7 44.5
170 23.1 19.6 29.4

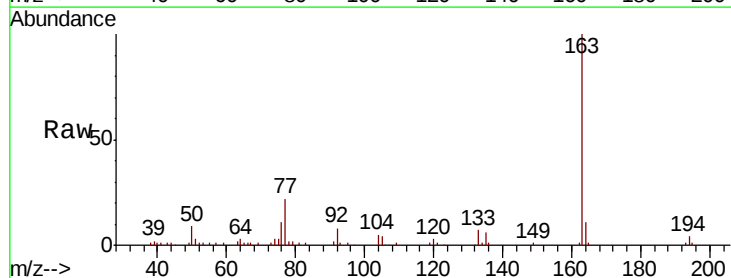


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

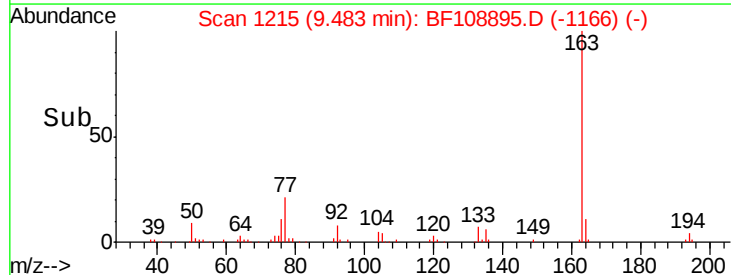
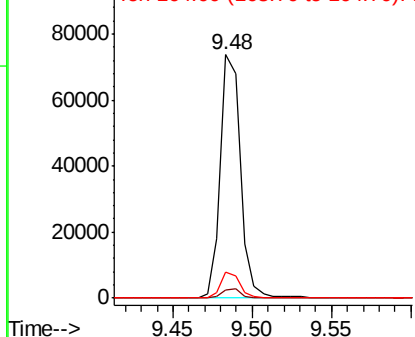


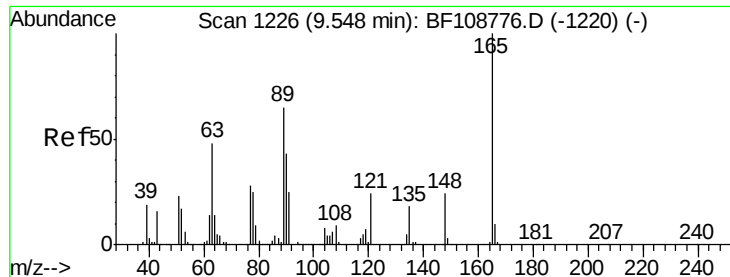
#49
Dimethylphthalate
Concen: 3.052 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108895.D
Acq: 10 Sep 2018 16:16

Tgt Ion:163 Resp: 65133
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.9 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

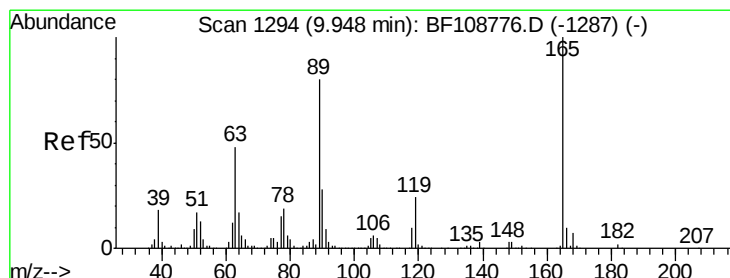
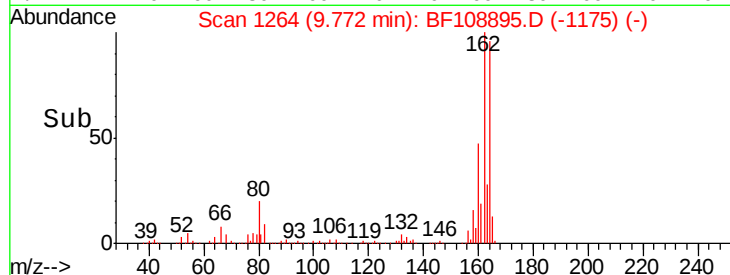
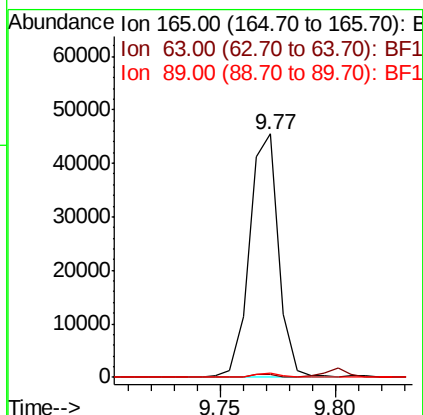
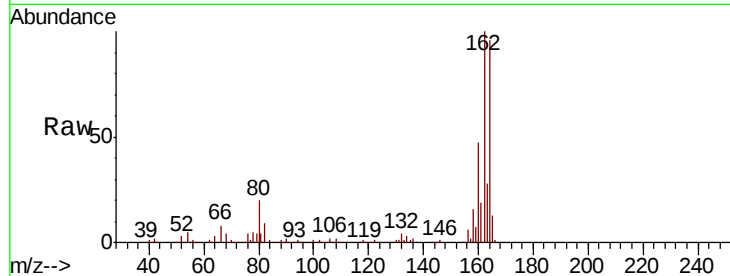




#50
 2,6-Dinitrotoluene
 Concen: 9.864 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. 0.22 min
 Lab File: BF108895.D
 Acq: 10 Sep 2018 16:16

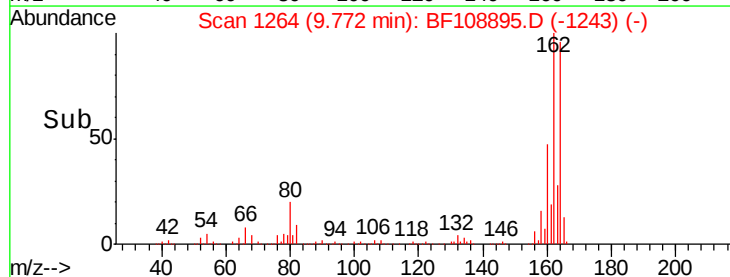
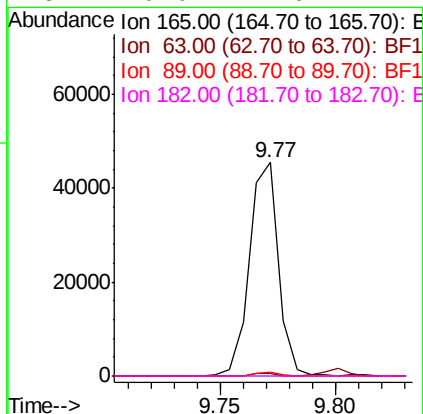
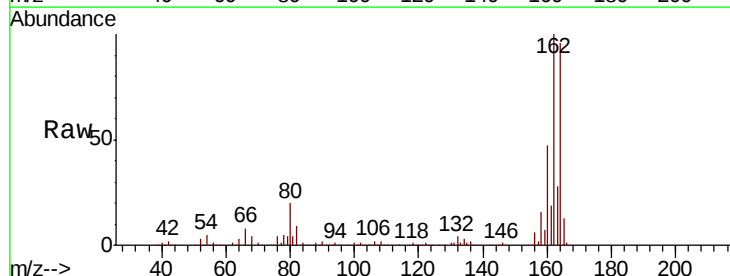
Instrument :
 BNA_E
 ClientSampleId :

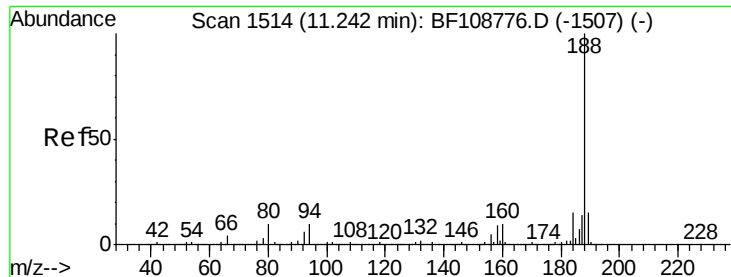
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.713 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. -0.18 min
 Lab File: BF108895.D
 Acq: 10 Sep 2018 16:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

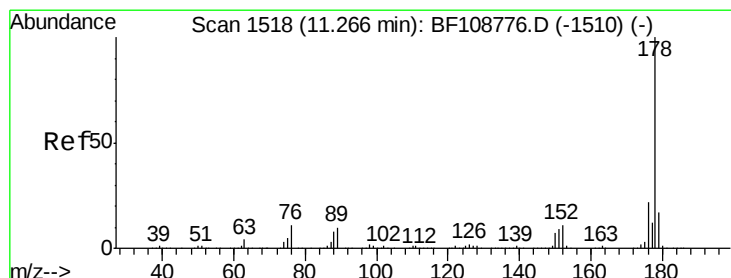
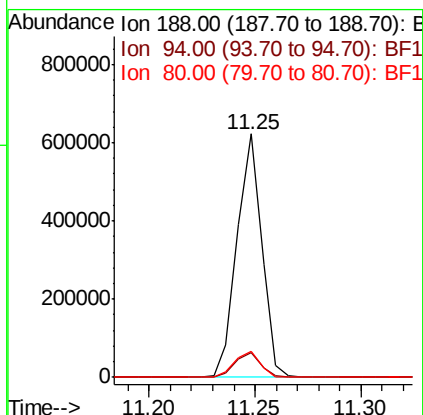
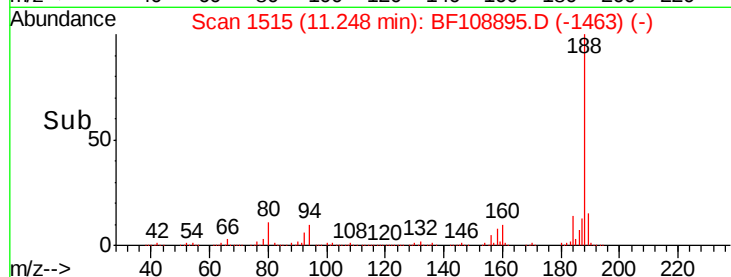
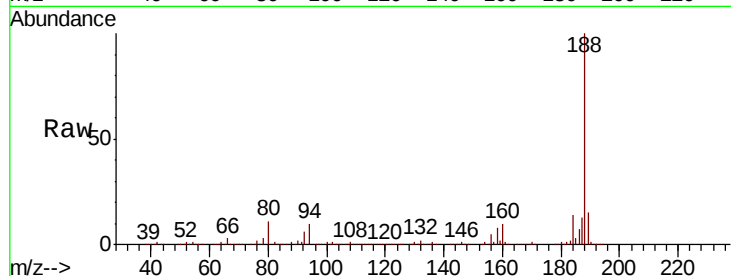




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BF108895.D
Acq: 10 Sep 2018 16:16

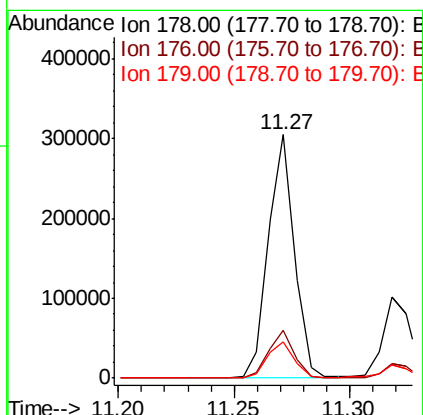
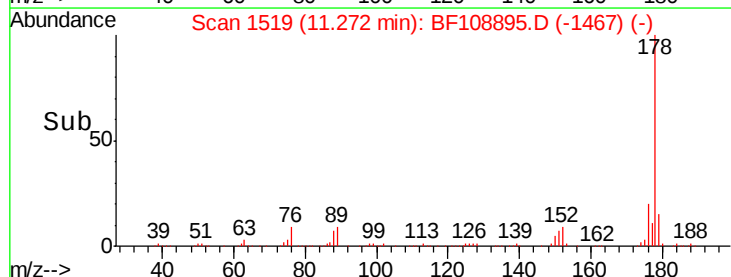
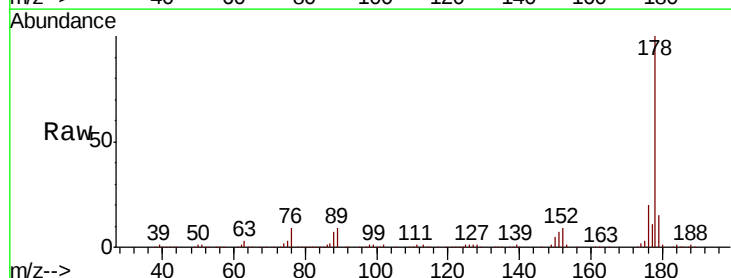
Instrument :
BNA_E
ClientSampleId :

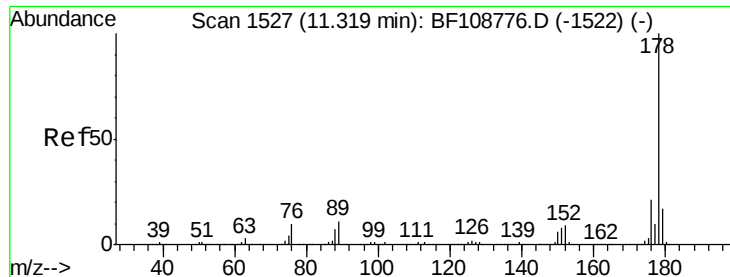
Tot Ion:188 Resp: 504060
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.6 9.2 13.8



#70
Phenanthrene
Concen: 9.945 ng
RT: 11.27 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BF108895.D
Acq: 10 Sep 2018 16:16

Tgt Ion:178 Resp: 239398
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 14.7 13.0 19.6

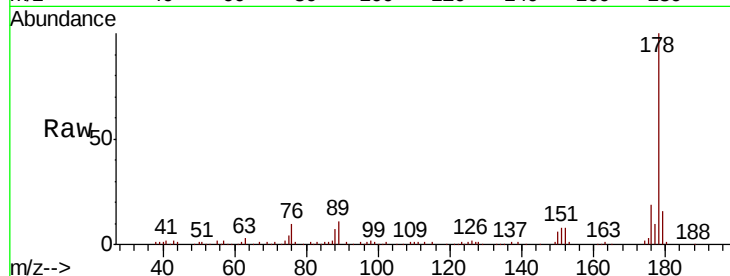




#71
 Anthracene
 Concen: 3.564 ng
 RT: 11.32 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: BF108895.D
 Acq: 10 Sep 2018 16:16

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.9	12.6	19.0

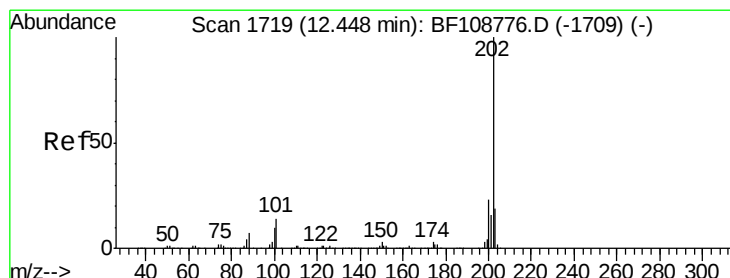
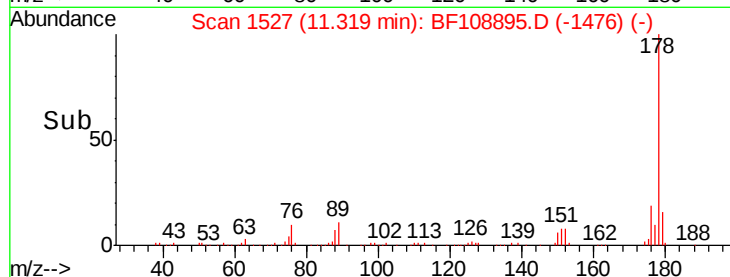
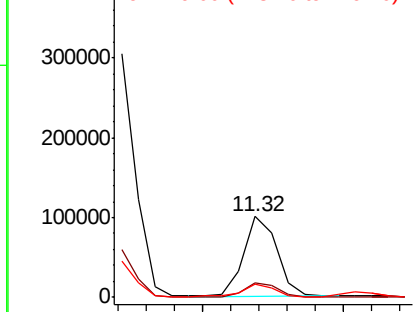


Abundance

Ion 178.00 (177.70 to 178.70): E

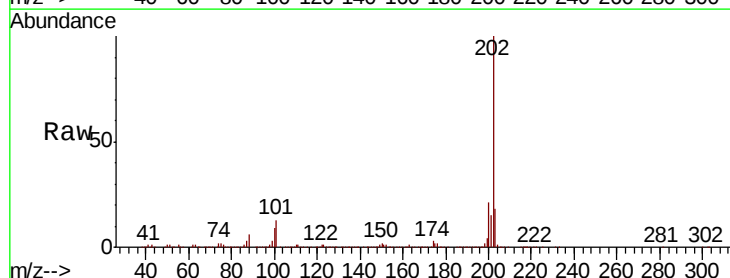
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 19.319 ng
 RT: 12.45 min Scan# 1720
 Delta R.T. 0.01 min
 Lab File: BF108895.D
 Acq: 10 Sep 2018 16:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.8	0.0	38.1

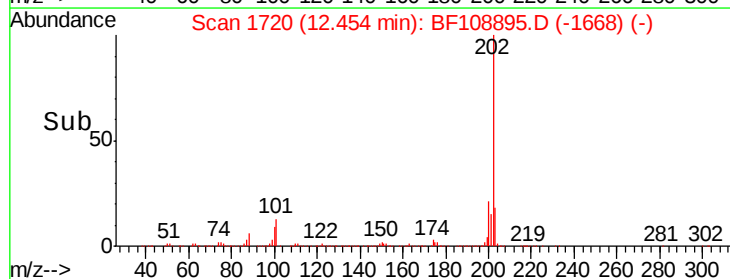
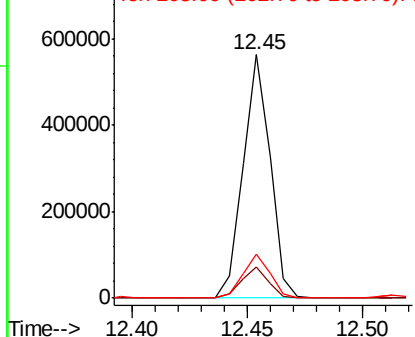


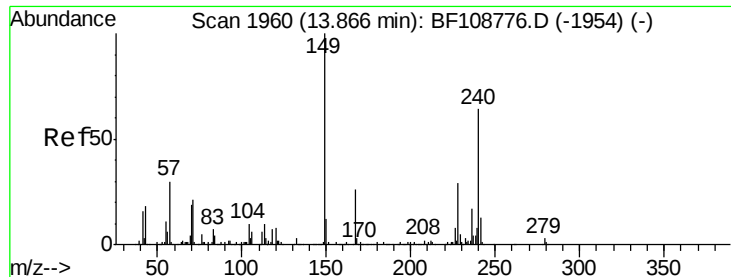
Abundance

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: 13.88 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

Instrument :

BNA_E

ClientSampleId :

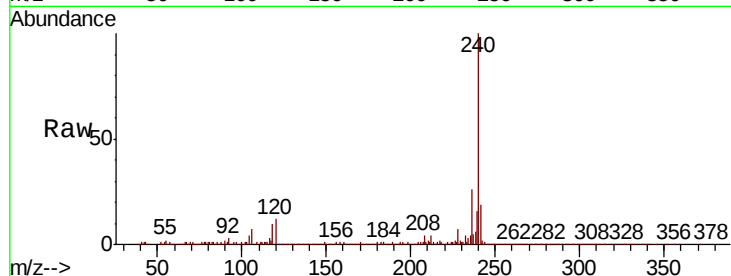
Tot Ion:240 Resp: 511814

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

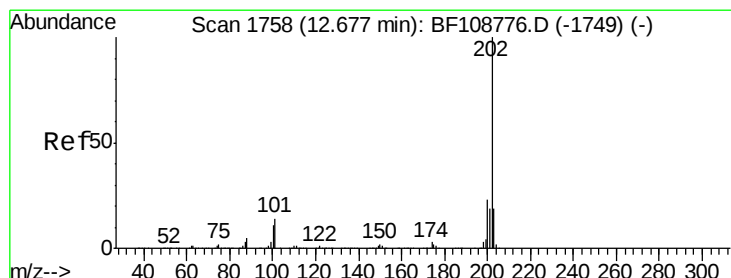
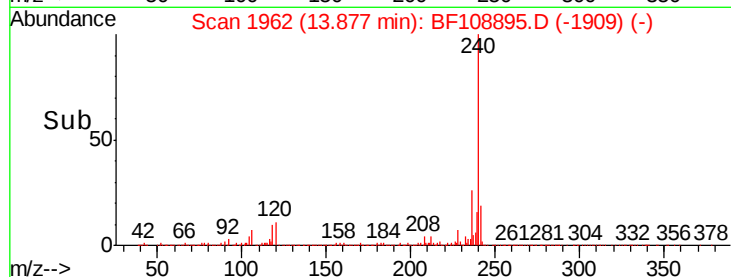
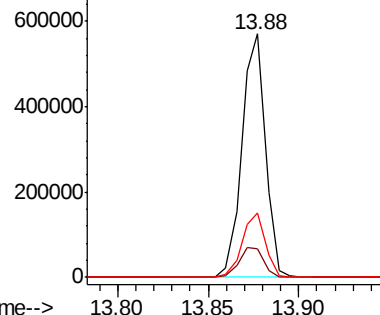
236 26.4 20.7 31.1



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: 10.560 ng

RT: 12.68 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

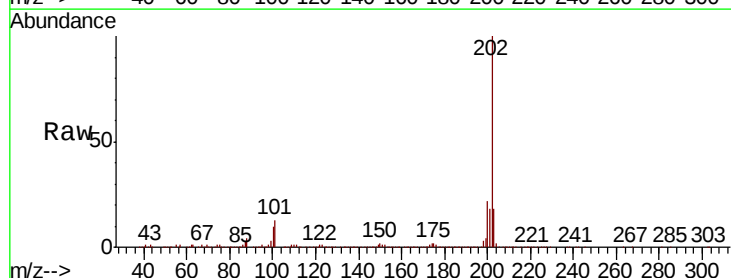
Tgt Ion:202 Resp: 415900

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

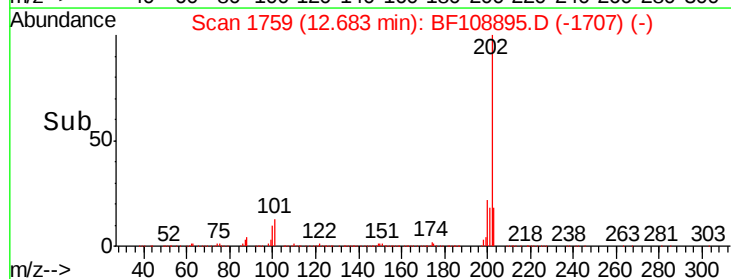
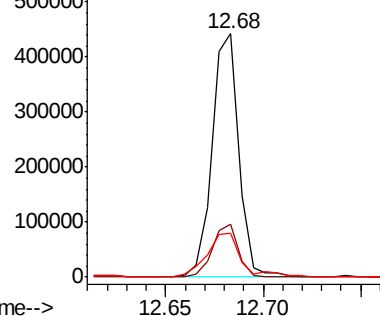
203 18.1 14.3 21.5

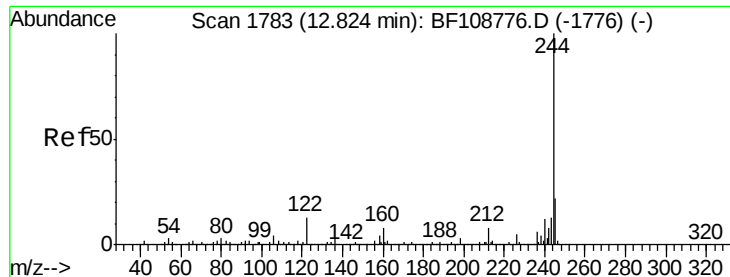


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.466 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

Instrument :

BNA_E

ClientSampleId :

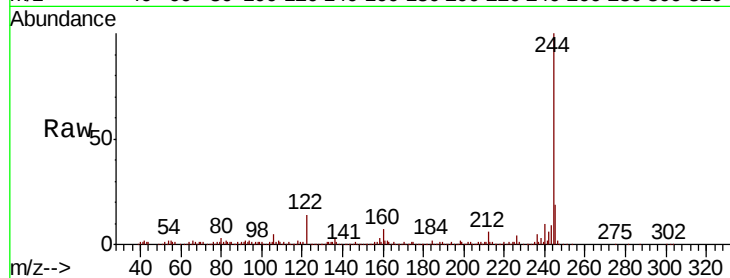
Tot Ion:244 Resp: 251657

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 14.3 11.0 16.4

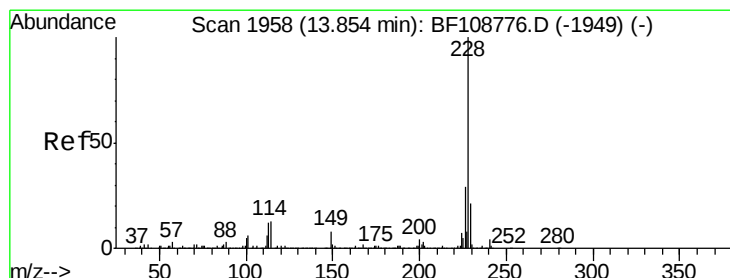
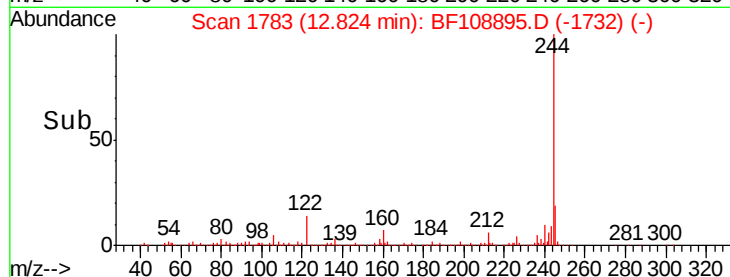
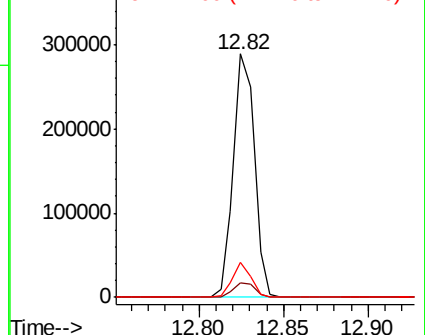


Abundance

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: 7.992 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

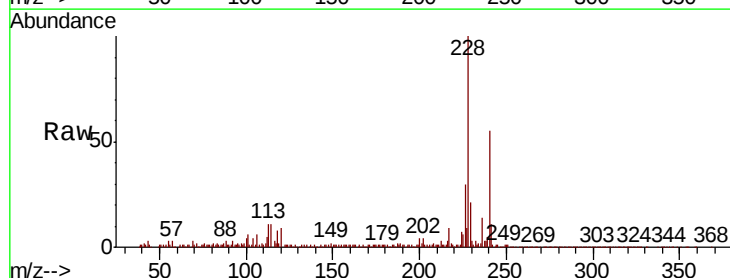
Tgt Ion:228 Resp: 262189

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

229 20.6 15.8 23.6

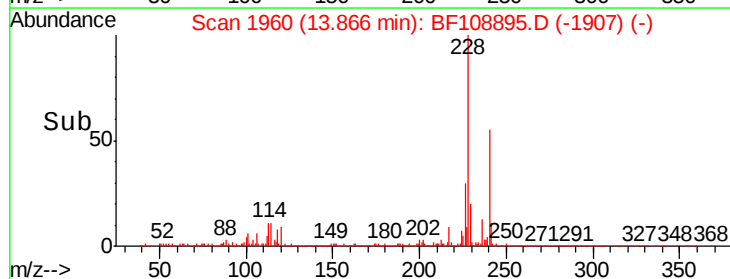
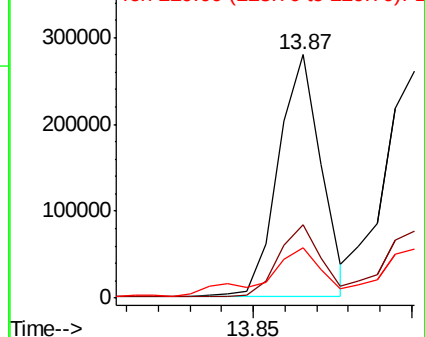


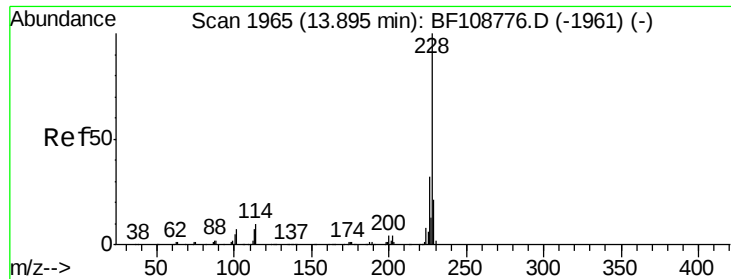
Abundance

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: 7.944 ng

RT: 13.90 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

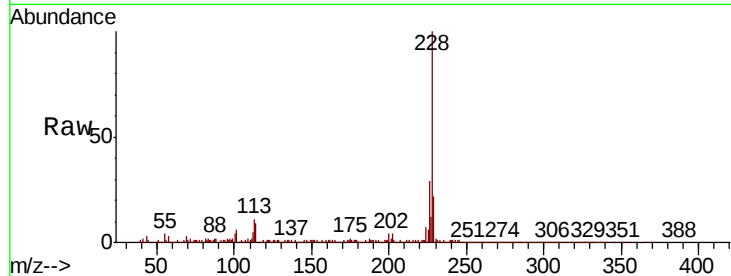
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 252275

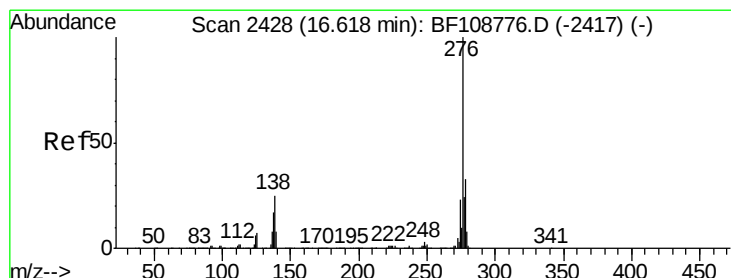
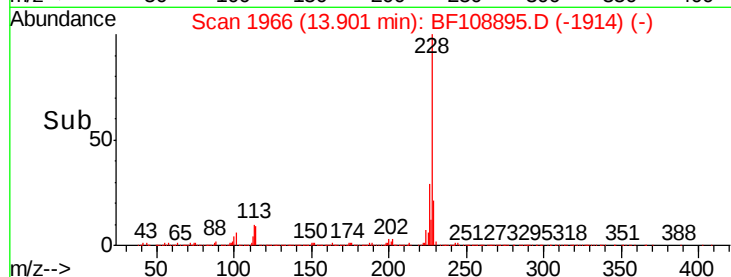
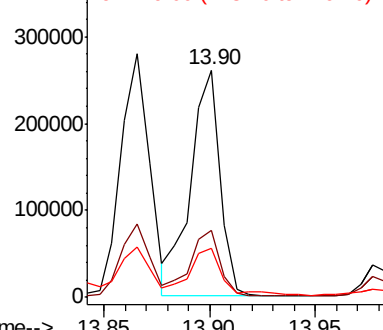
Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.6	16.2	24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.339 ng

RT: 16.64 min Scan# 2432

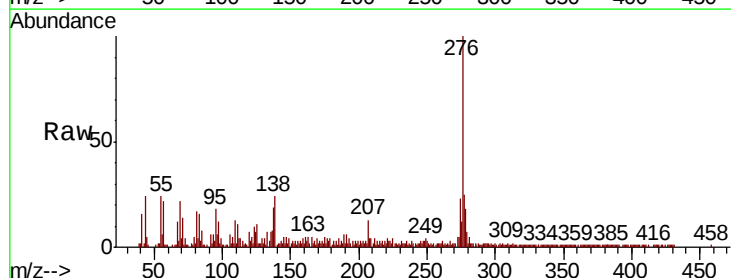
Delta R.T. 0.02 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

Tgt Ion:276 Resp: 93833

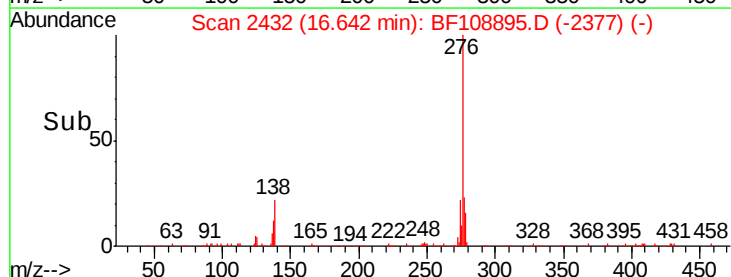
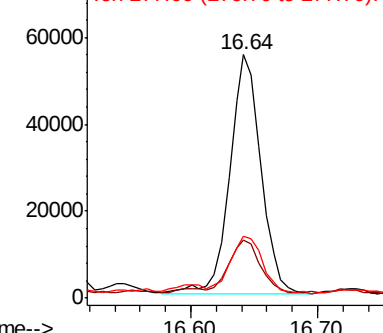
Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	25.7	20.1	30.1

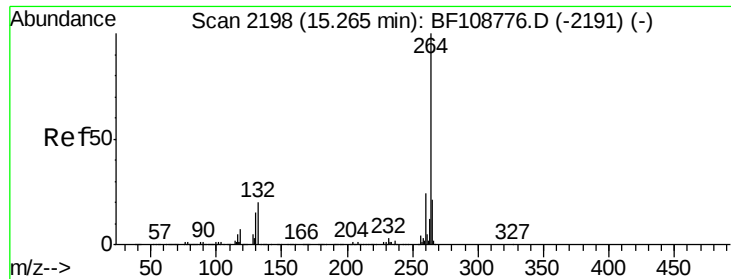


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



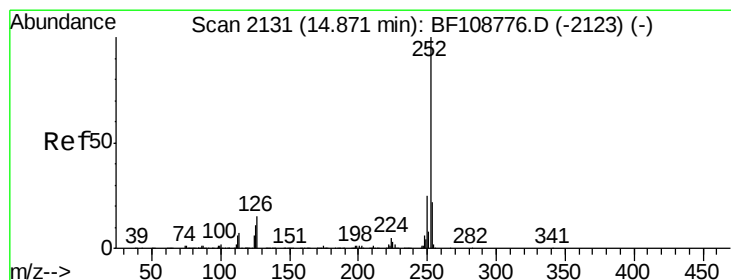
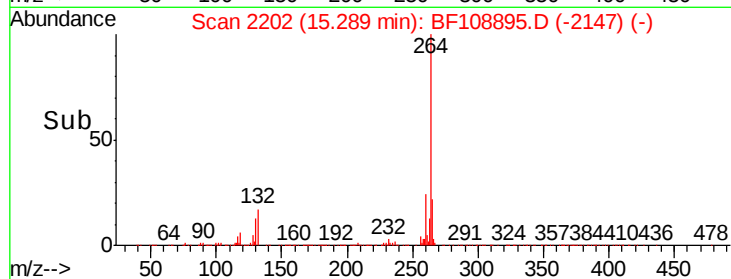
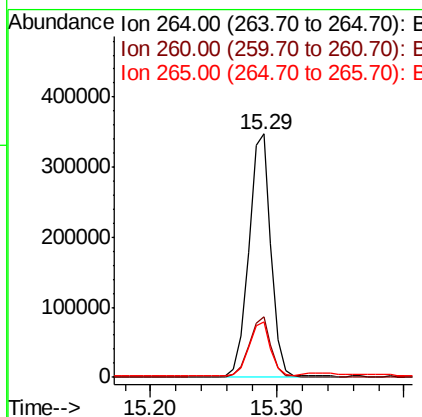
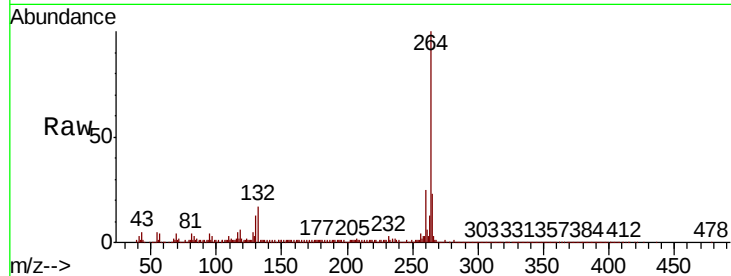


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BF108895.D
Acq: 10 Sep 2018 16:16

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 418288

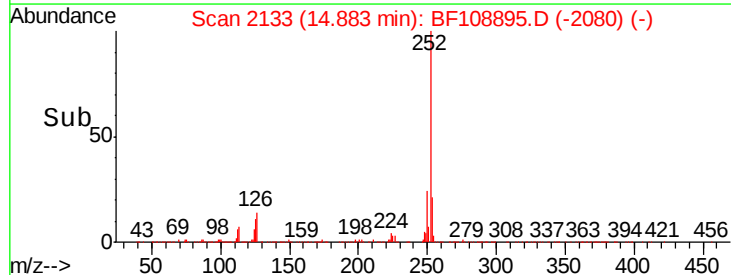
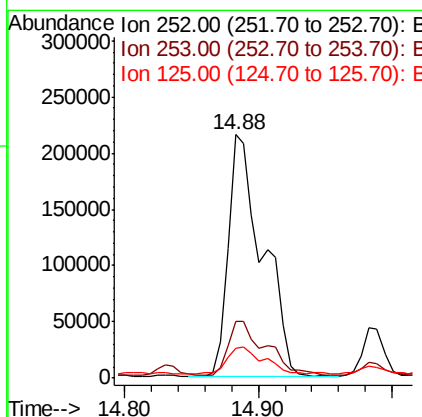
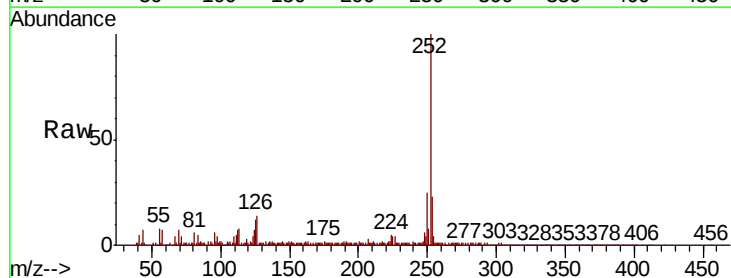
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.7	17.5	26.3

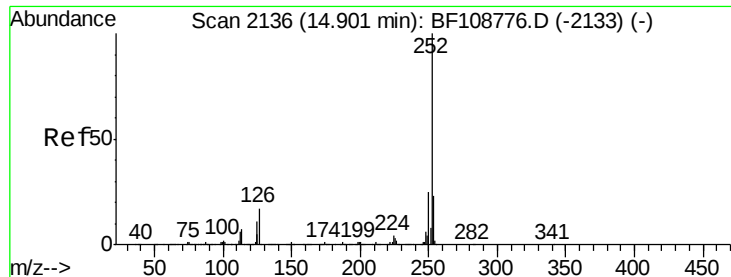


#87
Benzo(b)fluoranthene
Concen: 16.992 ng
RT: 14.88 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BF108895.D
Acq: 10 Sep 2018 16:16

Tgt Ion:252 Resp: 386469

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.4	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 18.451 ng

RT: 14.88 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

Instrument :

BNA_E

ClientSampleId :

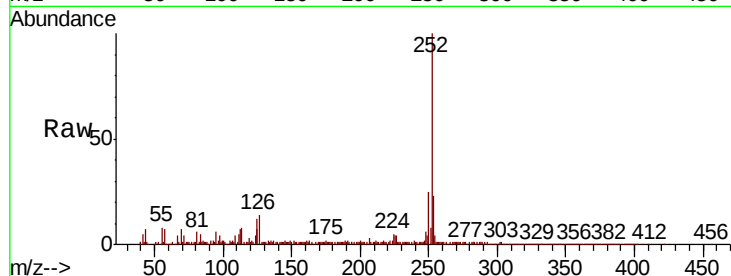
Tot Ion:252 Resp: 386469

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 12.4 10.2 15.2

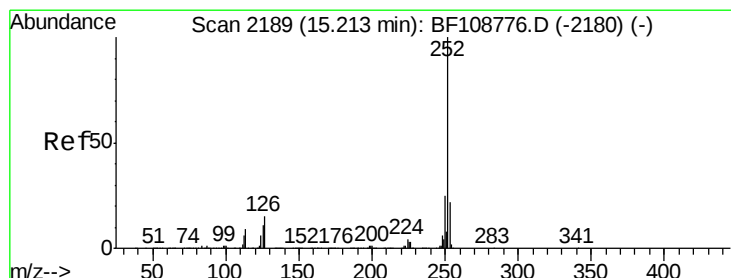
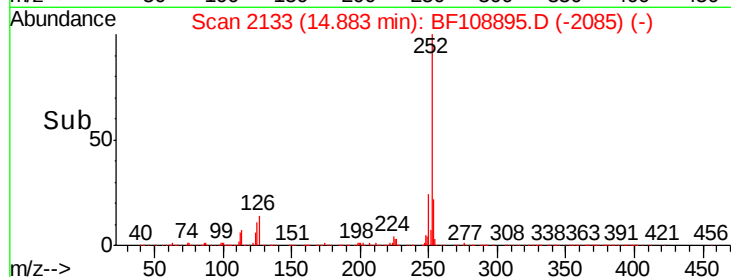
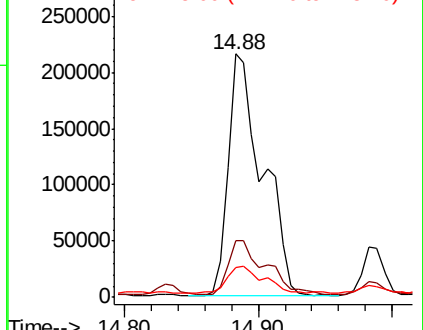


Abundance

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: 9.390 ng

RT: 15.22 min Scan# 2191

Delta R.T. 0.01 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

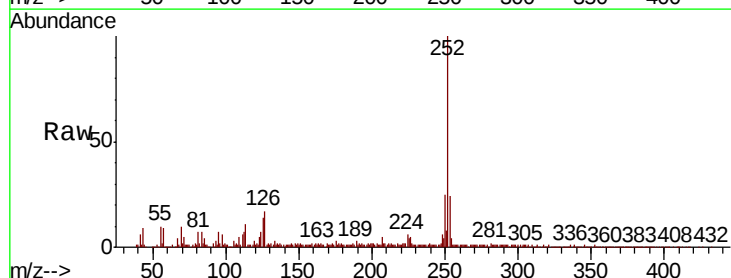
Tgt Ion:252 Resp: 192717

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 14.3 9.8 14.6

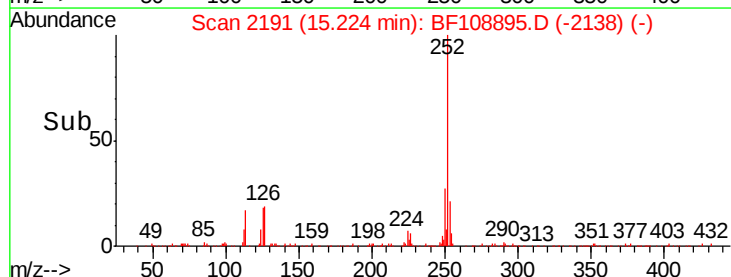
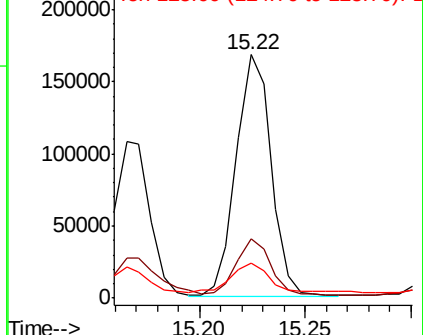


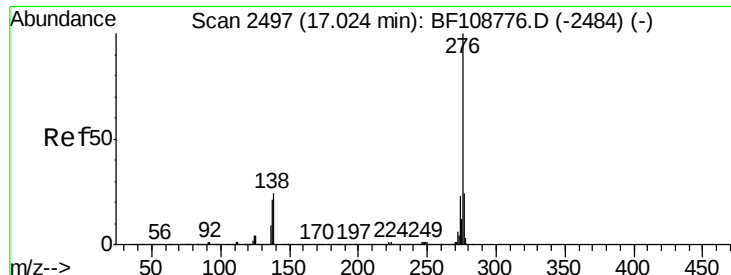
Abundance

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: 4.578 ng

RT: 17.05 min Scan# 2502

Delta R.T. 0.03 min

Lab File: BF108895.D

Acq: 10 Sep 2018 16:16

Instrument :

BNA_E

ClientSampleId :

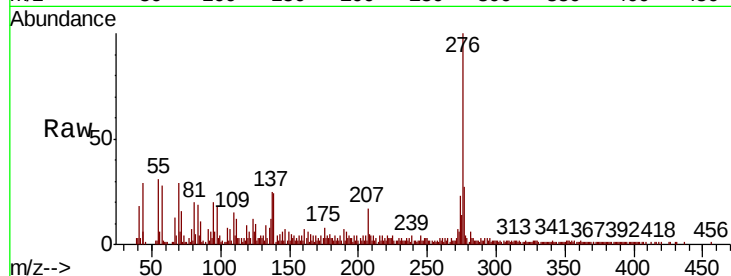
Tot Ion: 276 Resp: 82889

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 24.2 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

