

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108897.D
 Acq On : 10 Sep 2018 17:10
 Operator : JU/SJ
 Sample : J4777-07 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 18:51:33 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	215464	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	790381	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	334436	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	531990	20.00	ng	0.00
75) Chrysene-d12	13.88	240	497460	20.00	ng	0.01
86) Perylene-d12	15.29	264	337703	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	227304	17.48	ng	0.00
7) Phenol-d6	6.37	99	288857	17.26	ng	0.00
23) Nitrobenzene-d5	7.29	82	167373	13.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	48569	15.21	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	330181	16.84	ng	0.00
78) Terphenyl-d14	12.83	244	266700	12.50	ng	0.00

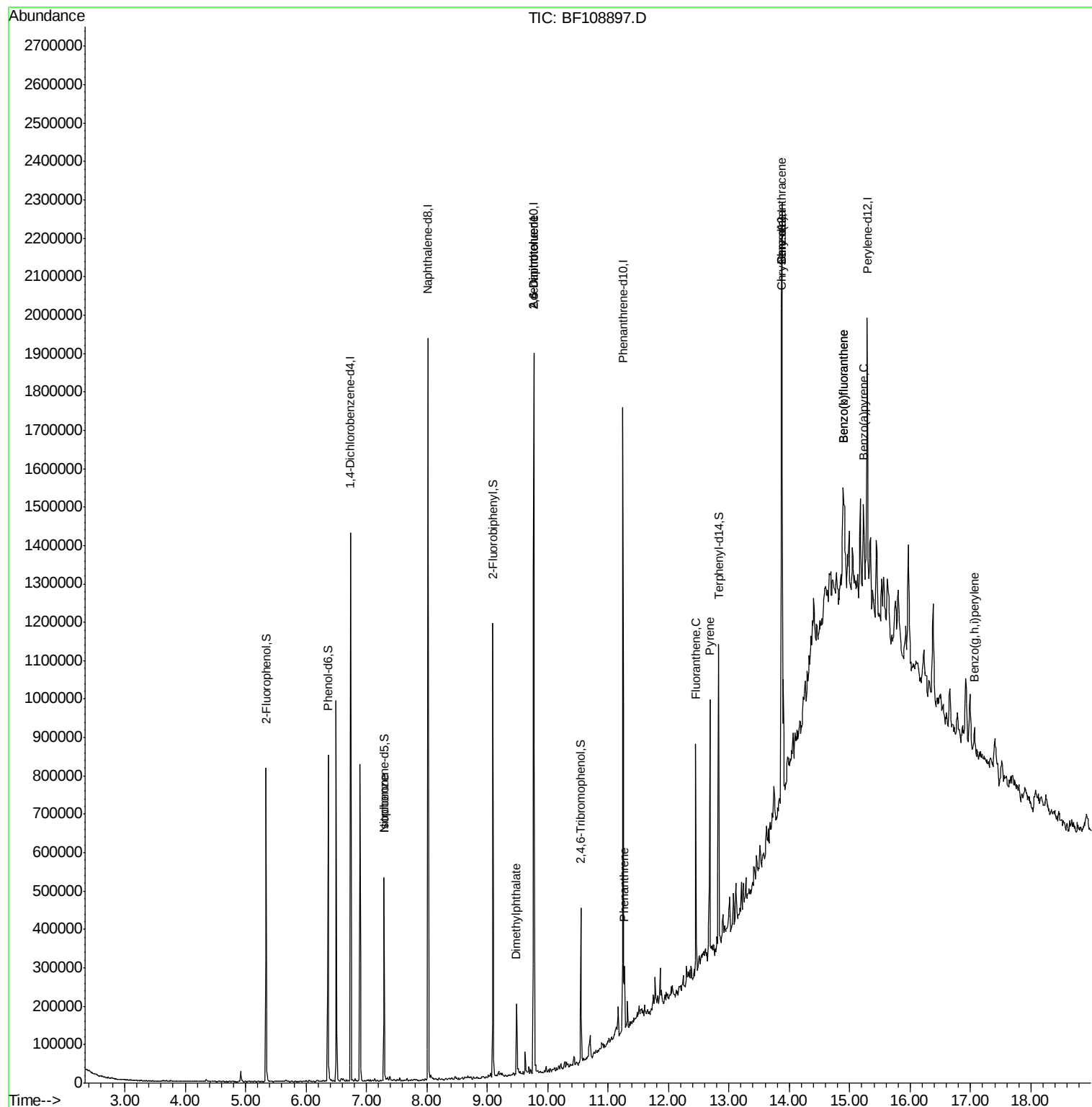
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.29	82	167223	6.638	ng	# 64
49) Dimethylphthalate	9.49	163	70977	3.034	ng	# 99
50) 2,6-Dinitrotoluene	9.77	165	42809	9.604	ng	# 25
56) 2,4-Dinitrotoluene	9.77	165	42809	7.510	ng	# 23
70) Phenanthrene	11.27	178	54096	2.129	ng	98
74) Fluoranthene	12.45	202	211202	8.397	ng	99
77) Pyrene	12.68	202	270955	7.078	ng	99
80) Benzo(a)anthracene	13.87	228	112444	3.526	ng	92
82) Chrysene	13.87	228	112444	3.643	ng	96
87) Benzo(b)fluoranthene	14.89	252	203148	11.063	ng	# 85
88) Benzo(k)fluoranthene	14.89	252	203148	12.013	ng	# 88
89) Benzo(a)pyrene	15.23	252	94489	5.703	ng	# 89
91) Benzo(a,h,i)perylene	17.07	276	58639	4.011	ng	# 91

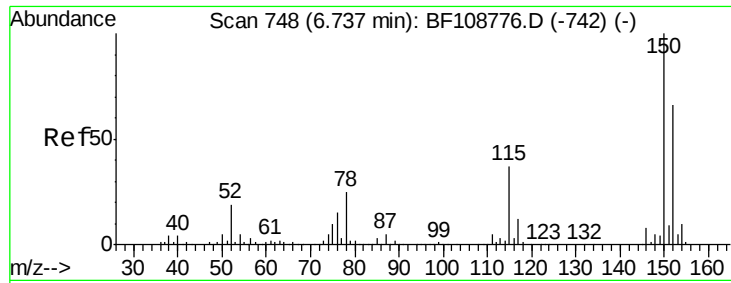
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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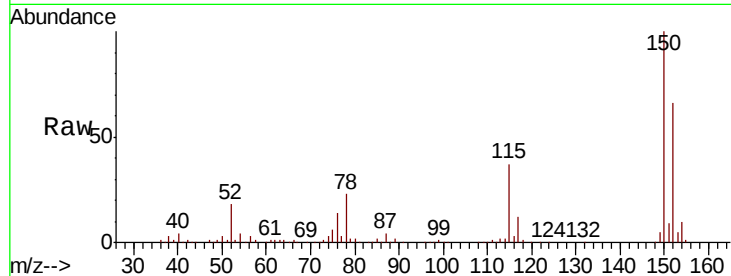


#1

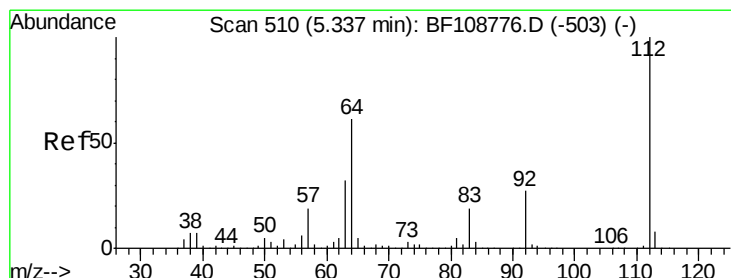
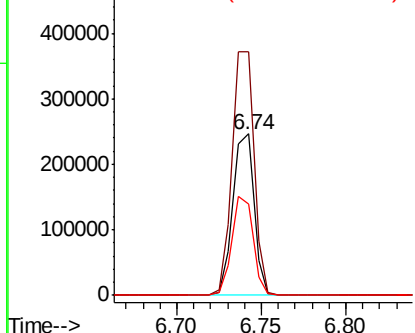
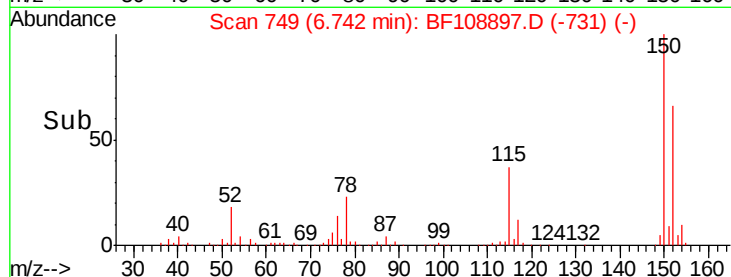
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 215464
Ion Ratio Lower Upper
152 100
150 150.9 124.6 186.8
115 56.5 50.1 75.1



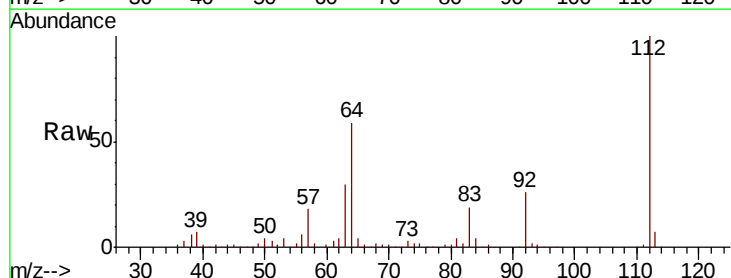
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



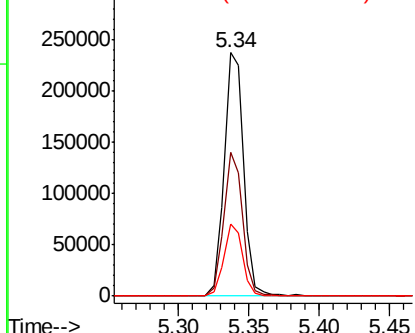
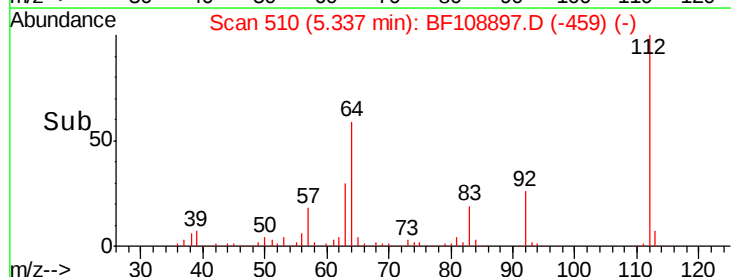
#5

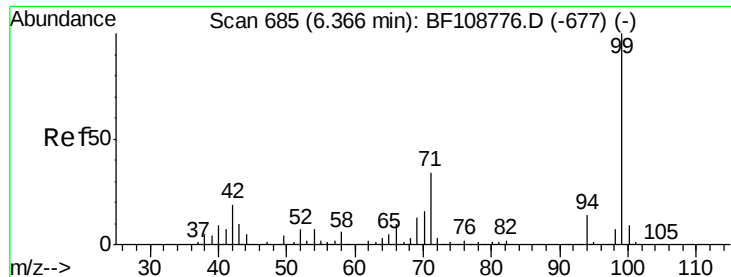
2-Fluorophenol
Concen: 17.477 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

Tgt Ion:112 Resp: 227304
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 29.8 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: 17.262 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108897.D

Acq: 10 Sep 2018 17:10

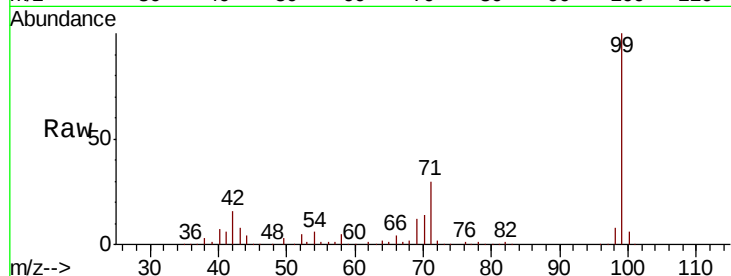
Instrument :

BNA_E

ClientSampleId :

Tot Ion: 99 Resp: 288857

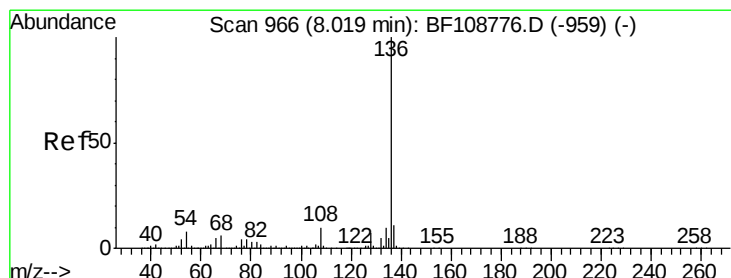
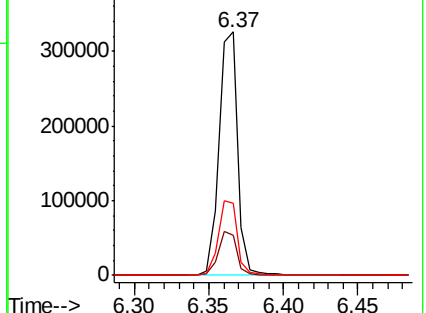
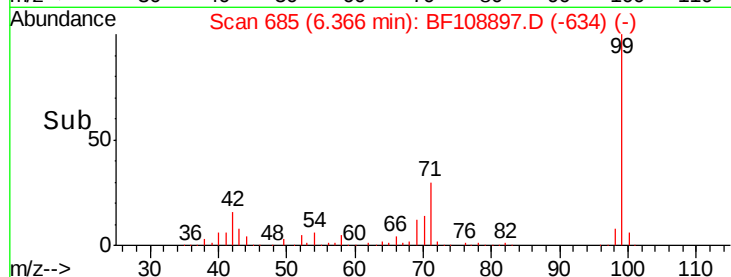
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.5	21.7
71	29.7	25.4	38.0



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

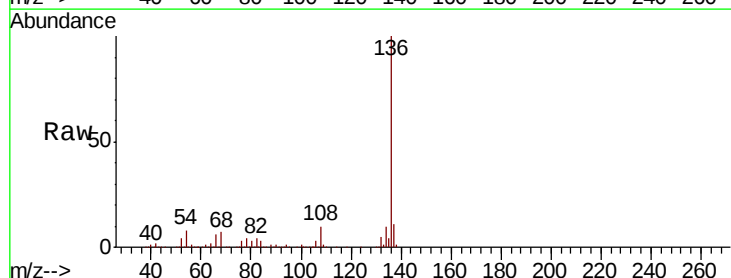
Delta R.T. -0.00 min

Lab File: BF108897.D

Acq: 10 Sep 2018 17:10

Tgt Ion: 136 Resp: 790381

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.4	6.6	9.8
68	7.1	5.0	7.4

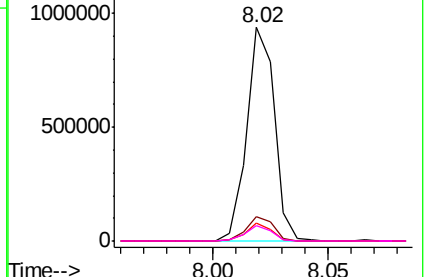
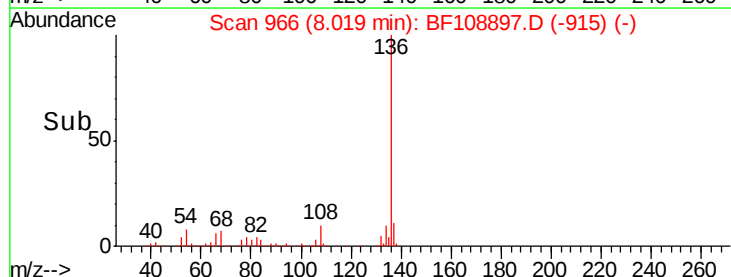


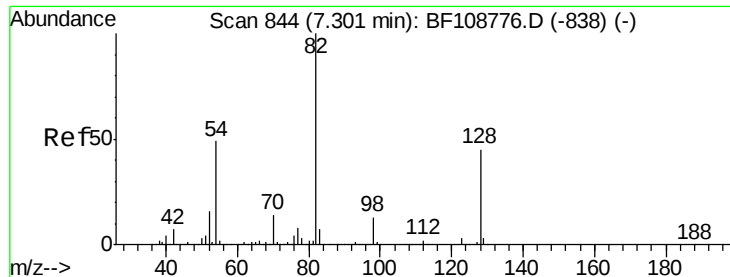
Abundance Ion 136.00 (135.70 to 136.70): E

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

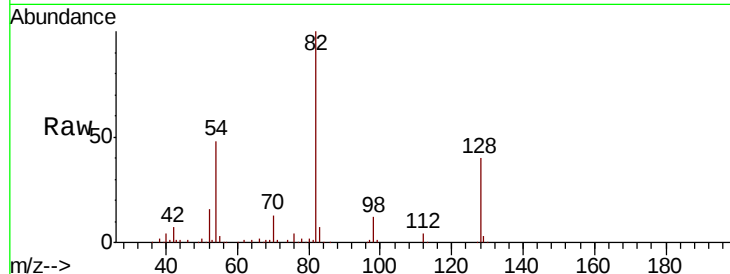




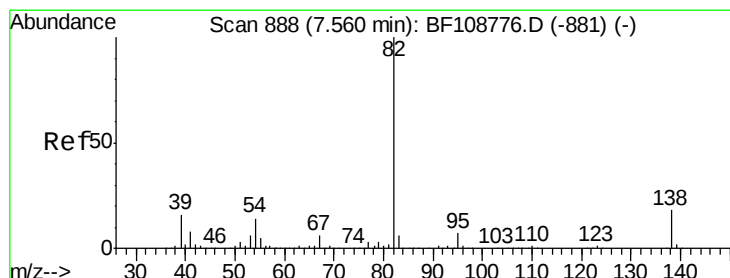
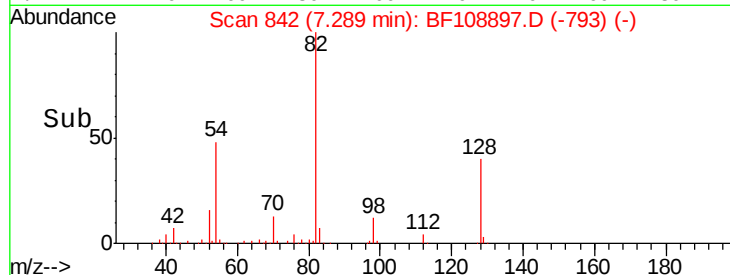
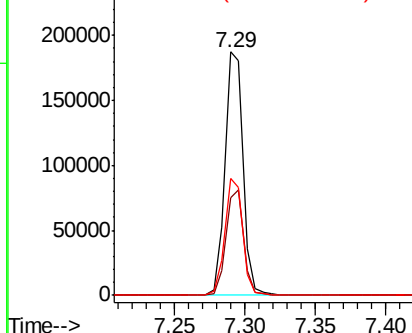
#23
Nitrobenzene-d5
Concen: 13.252 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion	82	Resp	167373
Ion Ratio	Lower	Upper	
82	100		
128	40.3	36.1	54.1
54	47.8	41.4	62.2

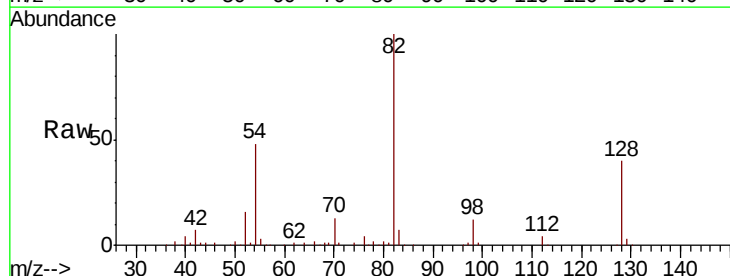


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

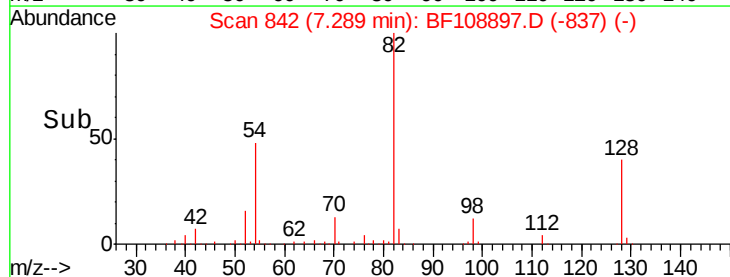
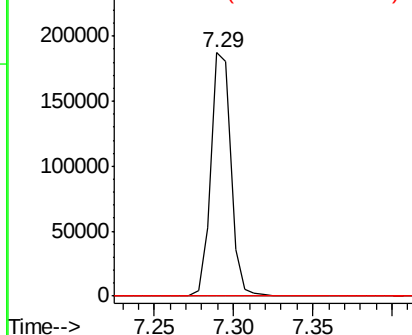


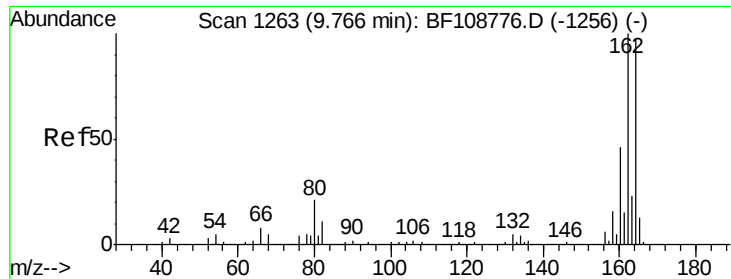
#25
Isophorone
Concen: 6.638 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.27 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

Tgt Ion	82	Resp	167223
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

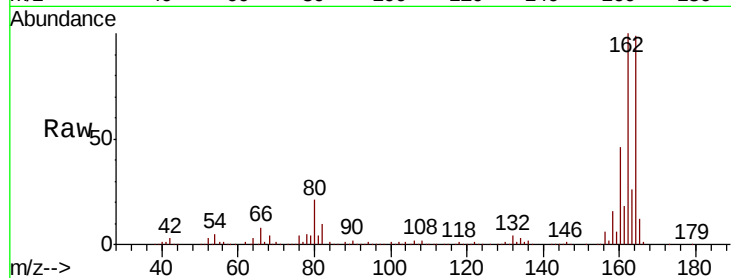




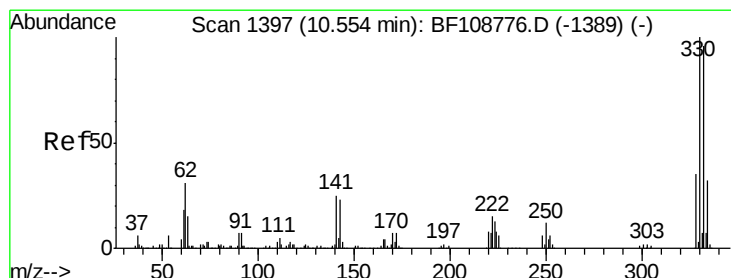
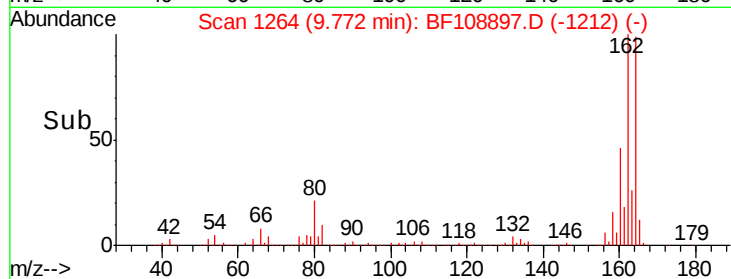
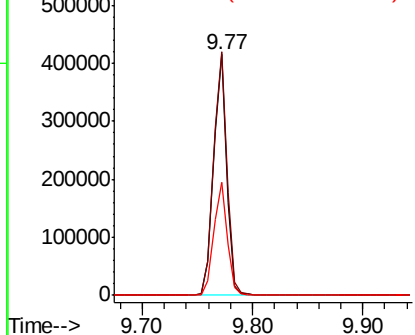
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 334436
 Ion Ratio Lower Upper
 164 100
 162 101.2 86.1 129.1
 160 47.0 38.3 57.5

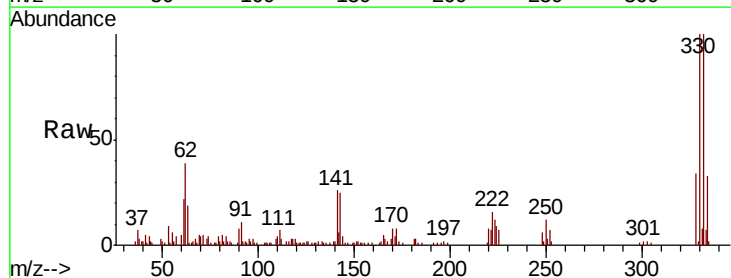


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

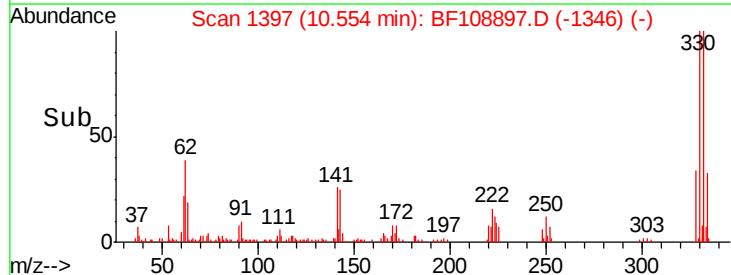
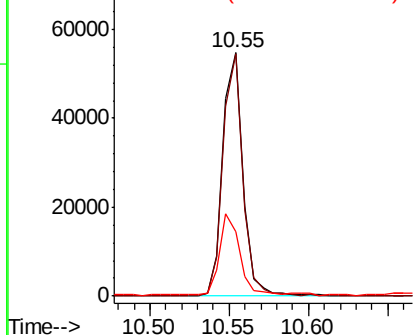


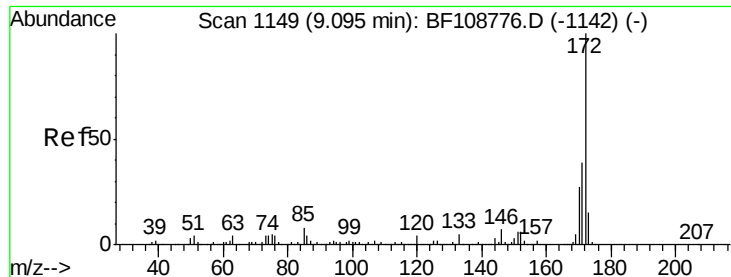
#41
 2,4,6-Tribromophenol
 Concen: 15.213 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

Tgt Ion:330 Resp: 48569
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 36.0 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

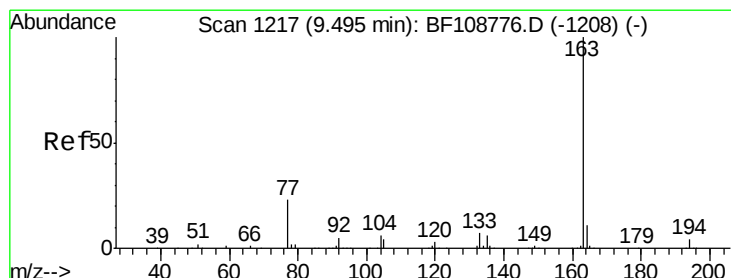
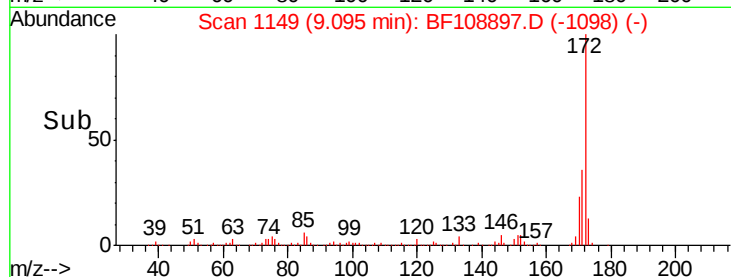
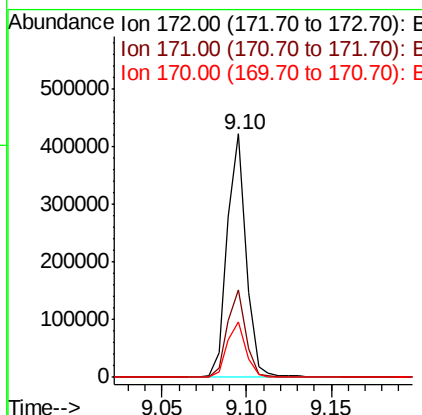
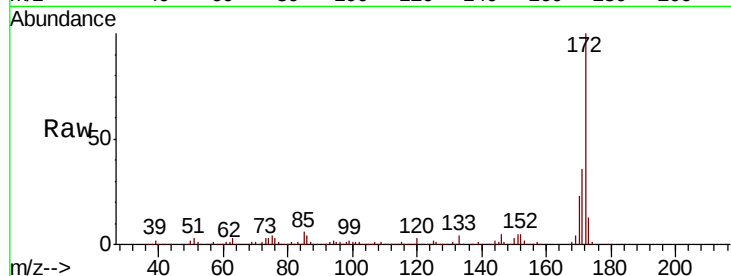




#44
 2-Fluorobiphenyl
 Concen: 16.843 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

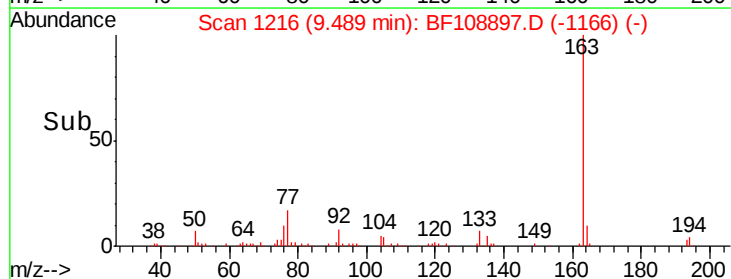
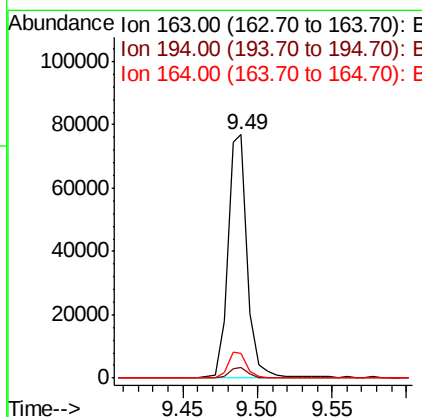
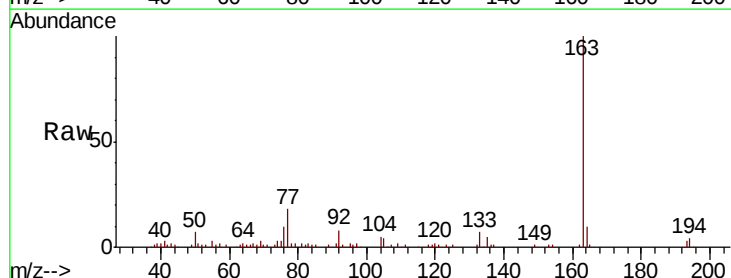
Instrument :
 BNA_E
 ClientSampled :

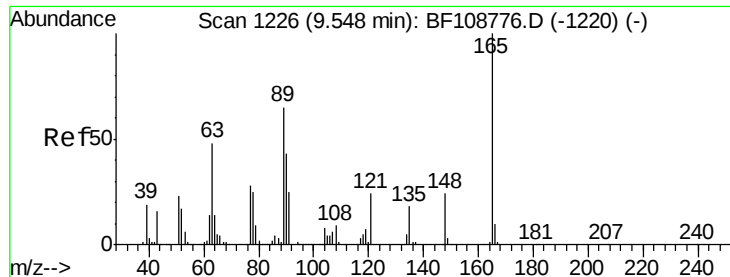
Tot Ion:172 Resp: 330181
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.0 19.6 29.4



#49
 Dimethylphthalate
 Concen: 3.034 ng
 RT: 9.49 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

Tgt Ion:163 Resp: 70977
 Ion Ratio Lower Upper
 163 100
 194 4.3 2.7 4.1#
 164 10.1 8.2 12.2

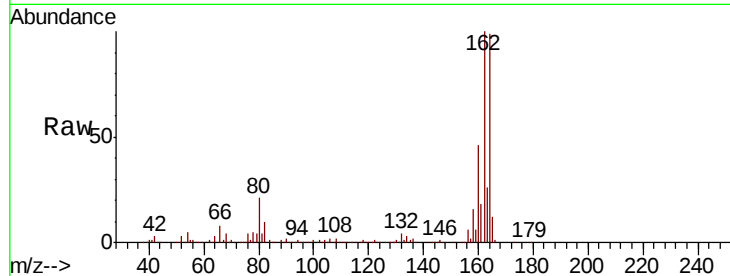




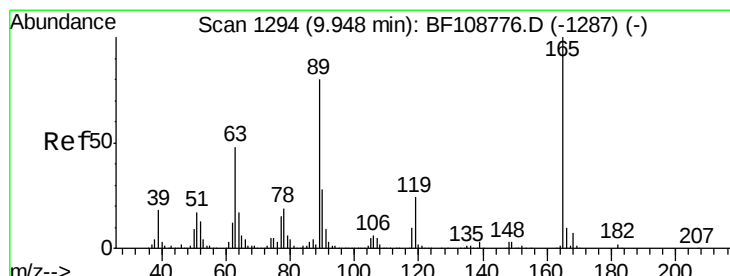
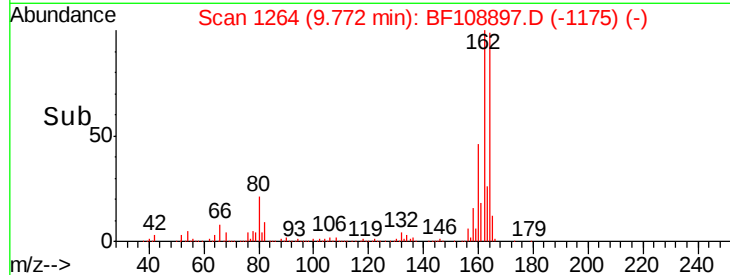
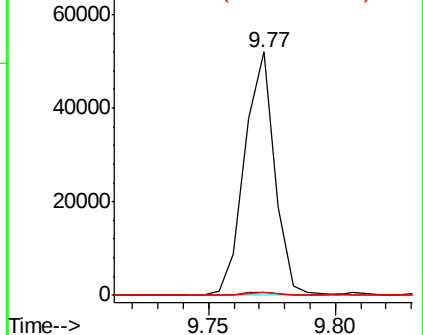
#50
 2,6-Dinitrotoluene
 Concen: 9.604 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. 0.22 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.2	44.0	66.0#



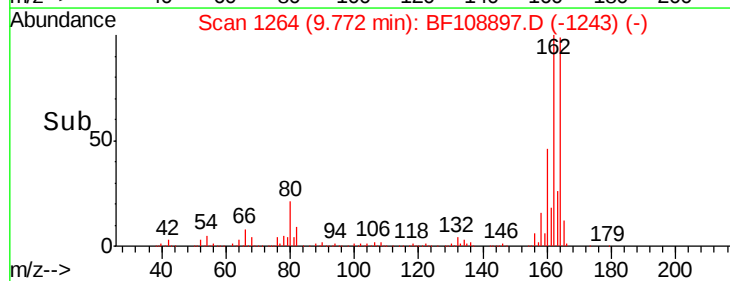
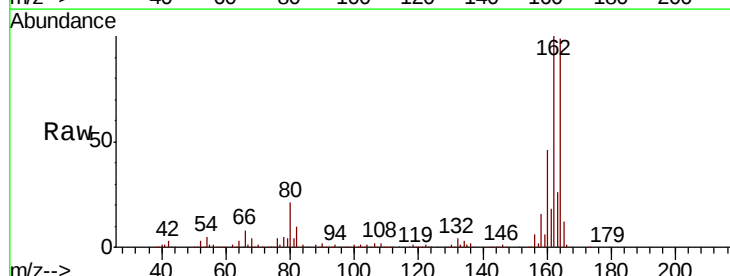
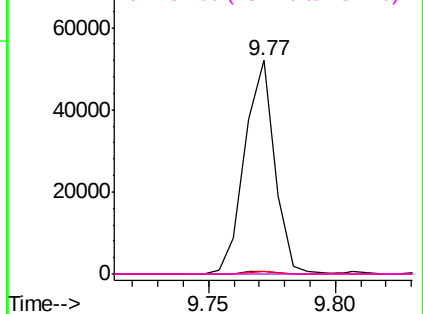
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

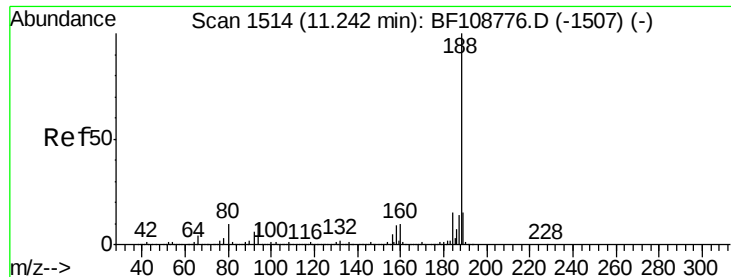


#56
 2,4-Dinitrotoluene
 Concen: 7.510 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. -0.18 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.2	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

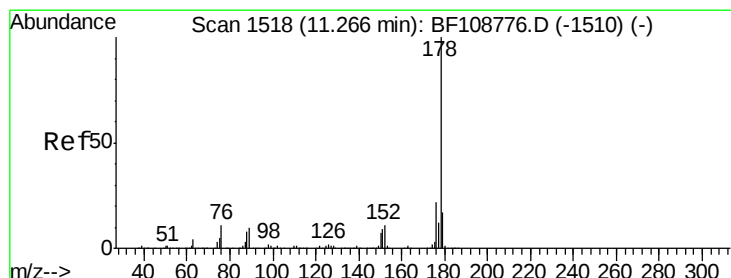
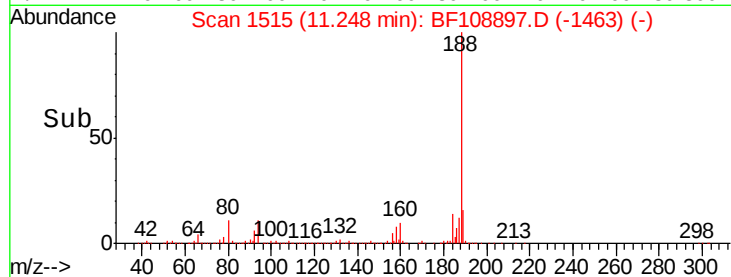
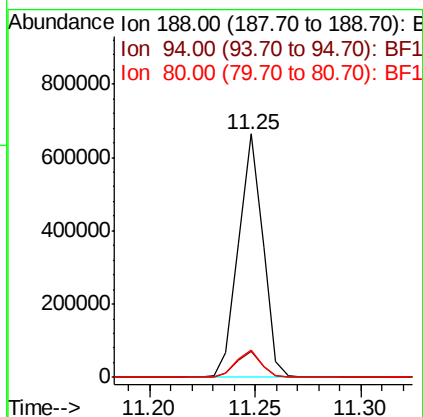
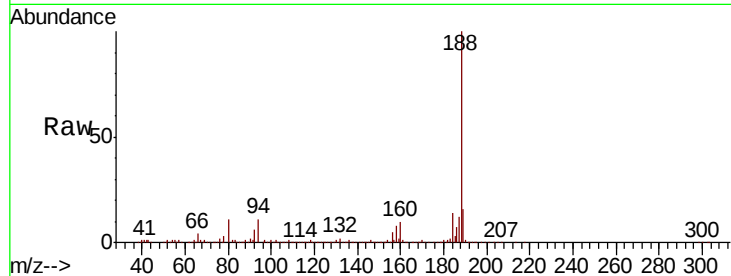




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

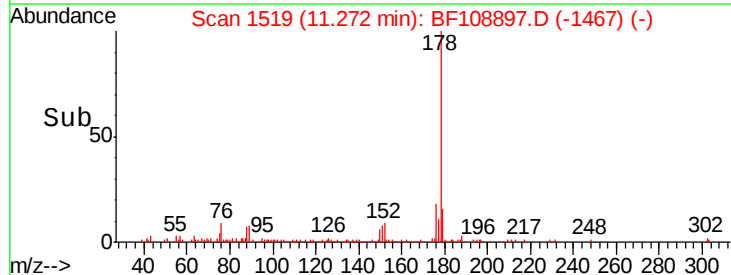
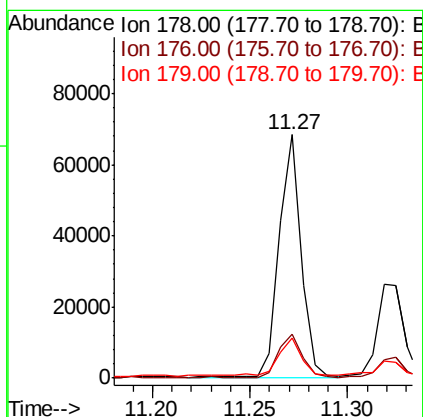
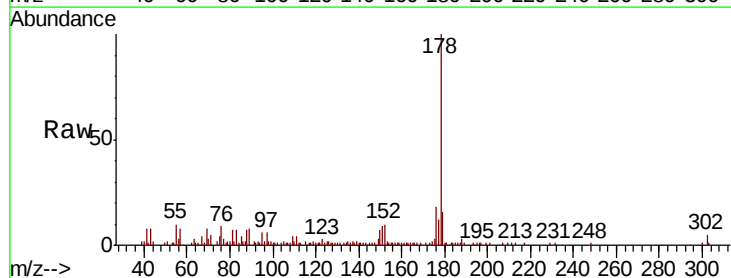
Instrument :
BNA_E
ClientSampleId :

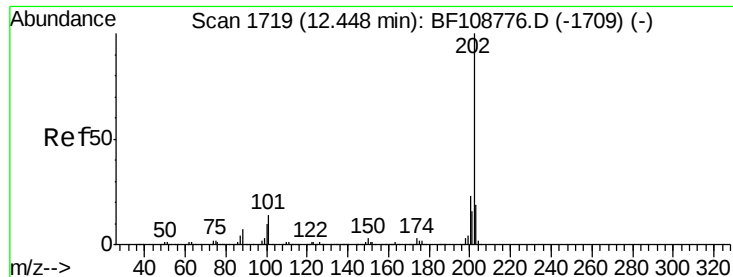
Tot Ion:188 Resp: 531990
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.3 9.2 13.8



#70
Phenanthrene
Concen: 2.129 ng
RT: 11.27 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

Tgt Ion:178 Resp: 54096
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 16.5 13.0 19.6

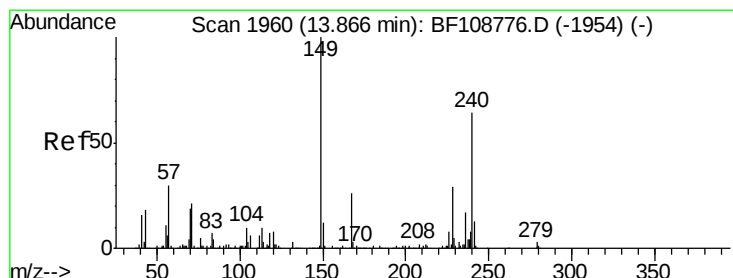
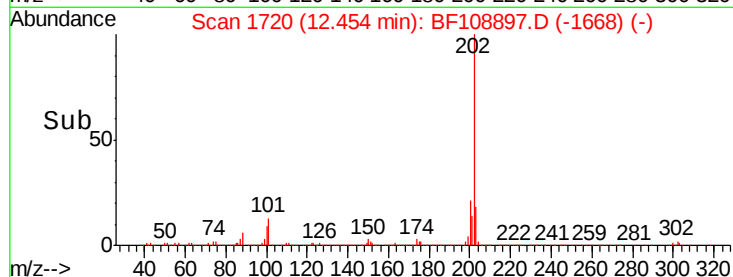
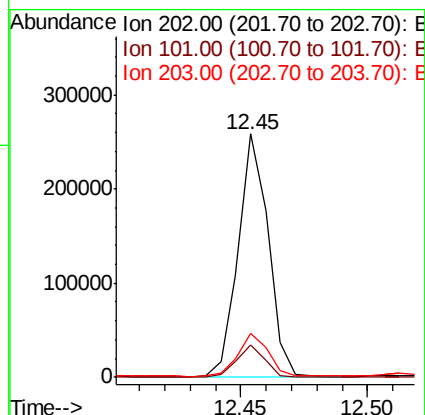
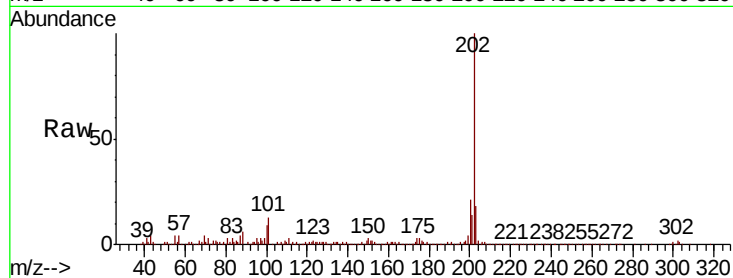




#74
 Fluoranthene
 Concen: 8.397 ng
 RT: 12.45 min Scan# 1720
 Delta R.T. 0.01 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

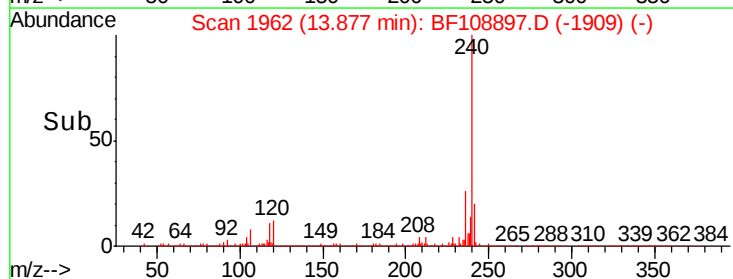
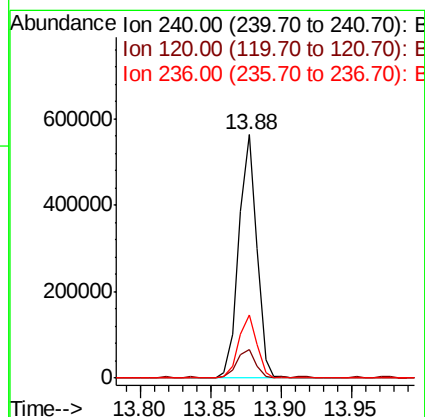
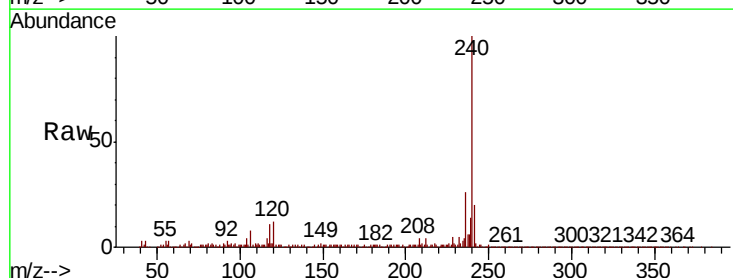
Instrument :
 BNA_E
 ClientSampleId :

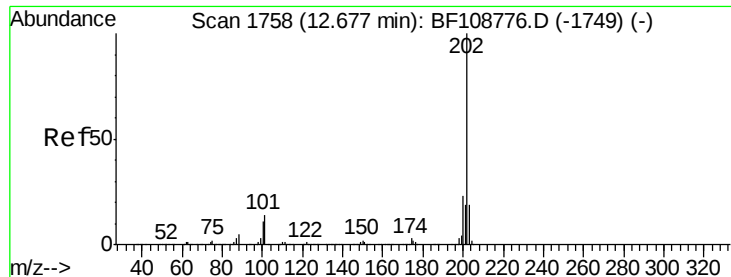
Tot Ion:202	Resp:	211202
Ion Ratio	Lower	Upper
202	100	
101	13.1	0.0 34.1
203	18.1	0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 1962
 Delta R.T. 0.01 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

Tgt Ion:240	Resp:	497460
Ion Ratio	Lower	Upper
240	100	
120	11.9	9.5 14.3
236	26.0	20.7 31.1





#77

Pvrene

Concen: 7.078 ng

RT: 12.68 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF108897.D

Acq: 10 Sep 2018 17:10

Instrument :

BNA_E

ClientSampleId :

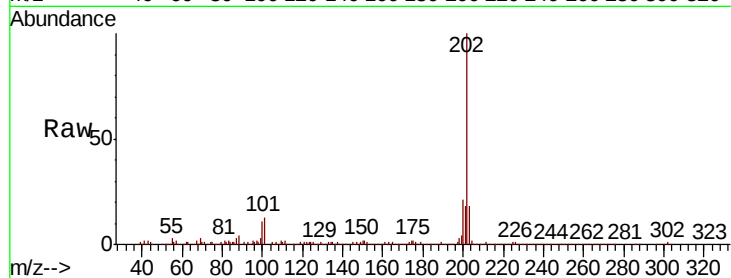
Tot Ion:202 Resp: 270955

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

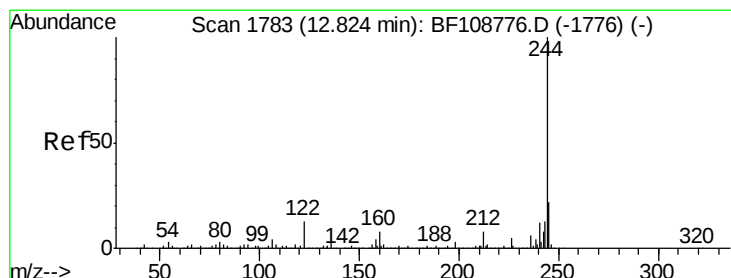
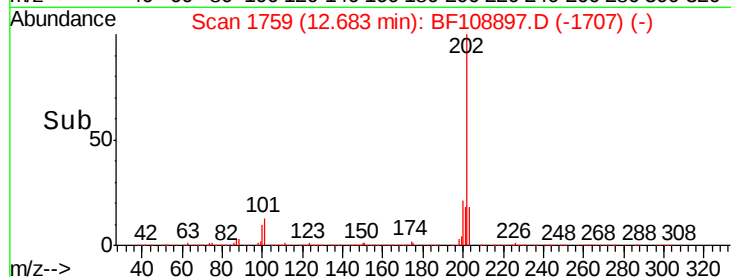
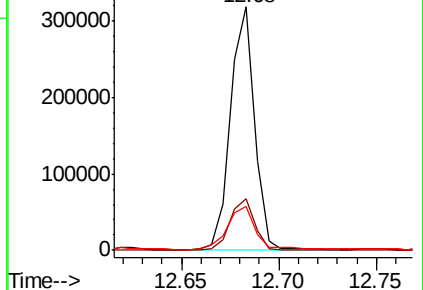
203 18.3 14.3 21.5



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: 12.502 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108897.D

Acq: 10 Sep 2018 17:10

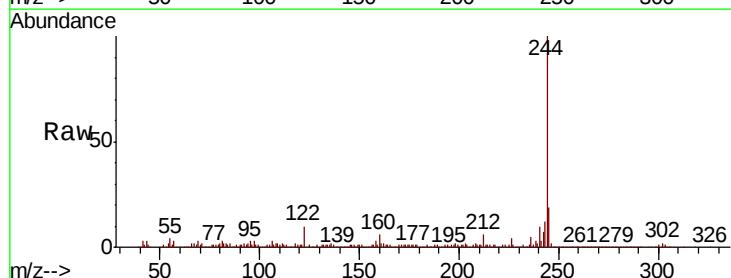
Tgt Ion:244 Resp: 266700

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

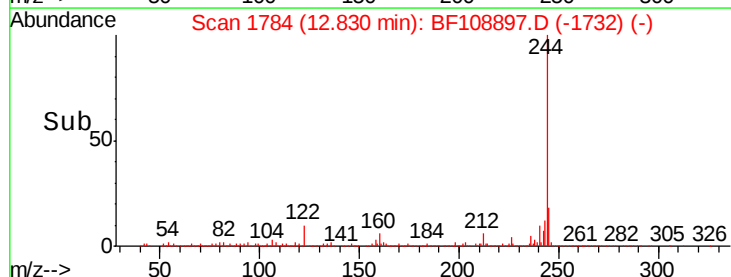
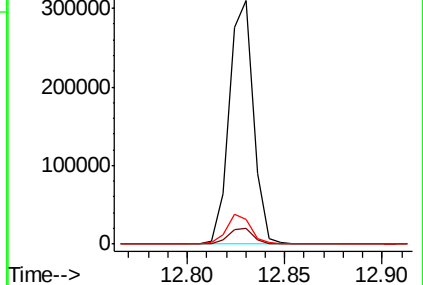
122 10.2 11.0 16.4#

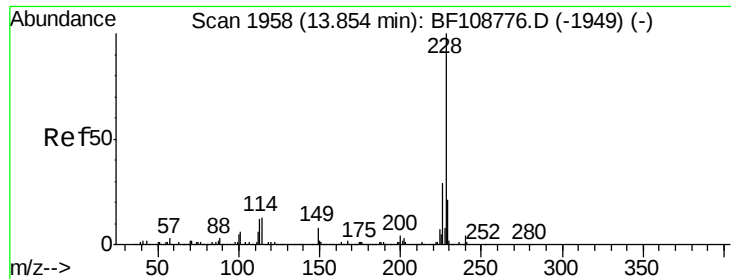


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

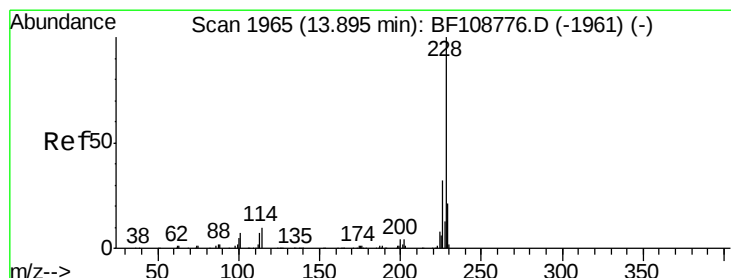
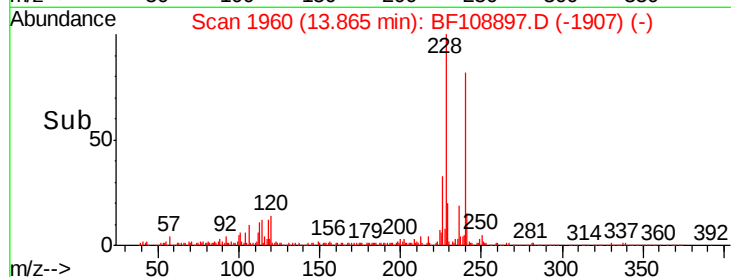
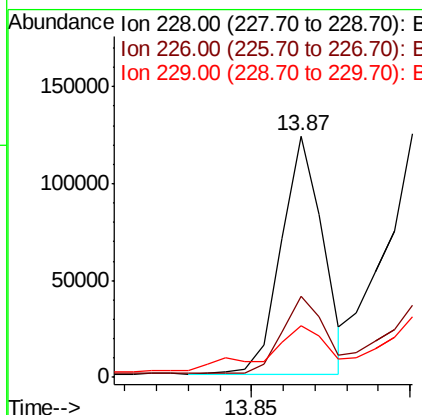
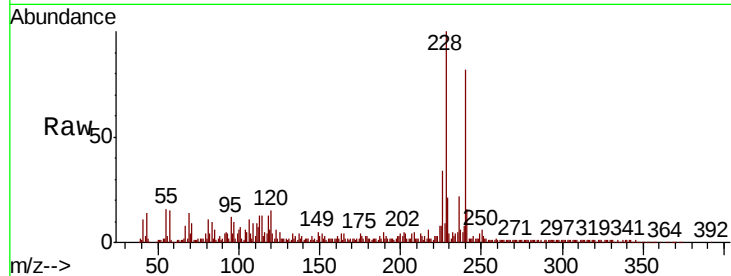




#80
Benzo(a)anthracene
Concen: 3.526 ng
RT: 13.87 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

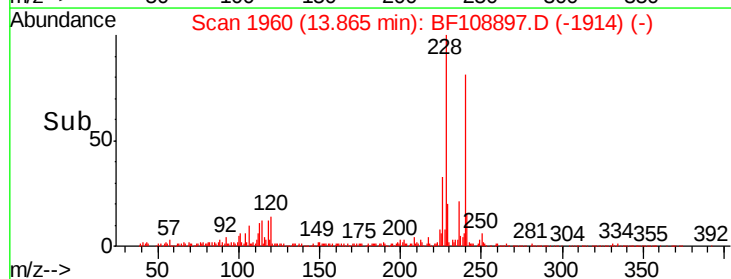
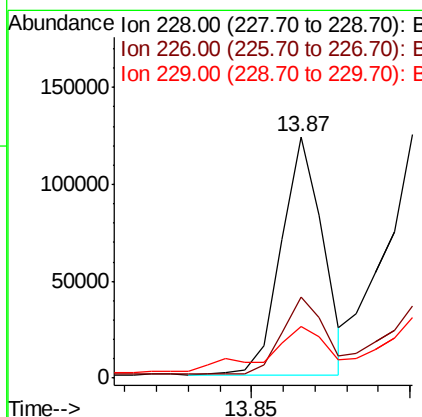
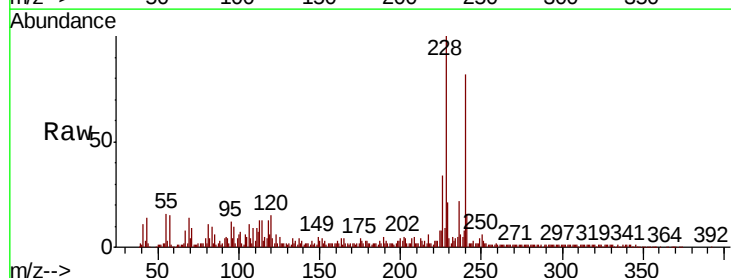
Instrument :
BNA_E
ClientSampleId :

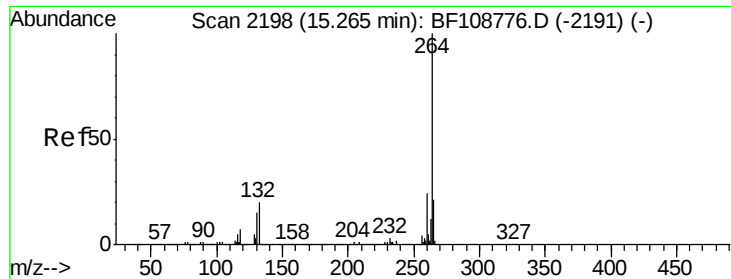
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	21.5	15.8	23.6



#82
Chrysene
Concen: 3.643 ng
RT: 13.87 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	25.0	37.6
229	21.5	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2203

Delta R.T. 0.03 min

Lab File: BF108897.D

Acq: 10 Sep 2018 17:10

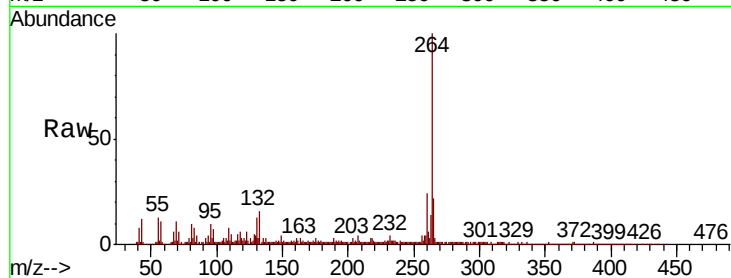
Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 337703

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.3	17.5	26.3

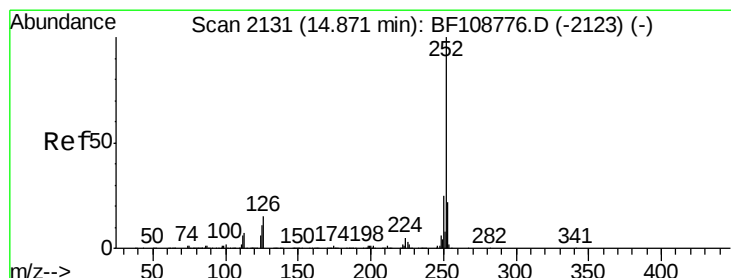
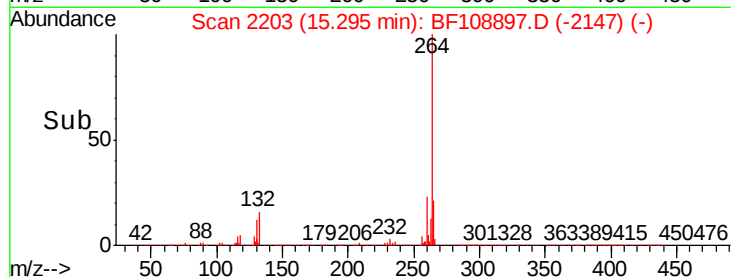
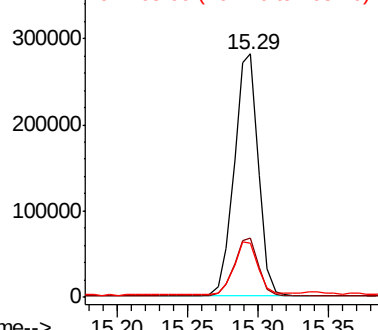


Abundance

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: 11.063 ng

RT: 14.89 min Scan# 2134

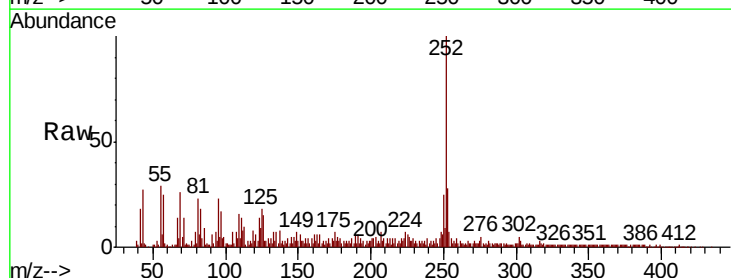
Delta R.T. 0.02 min

Lab File: BF108897.D

Acq: 10 Sep 2018 17:10

Tgt Ion:252 Resp: 203148

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.0	25.6#
125	17.5	9.0	13.6#

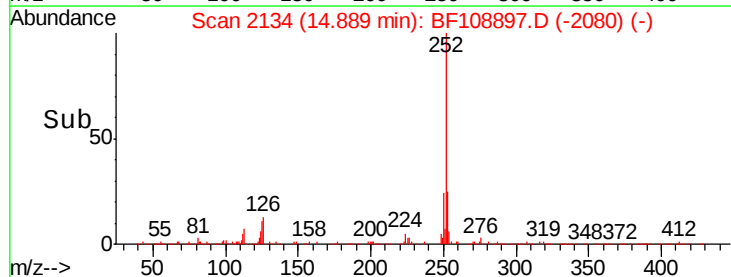
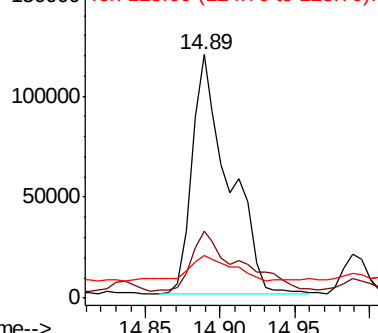


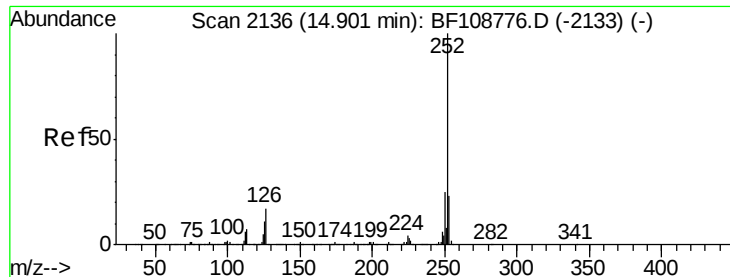
Abundance

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

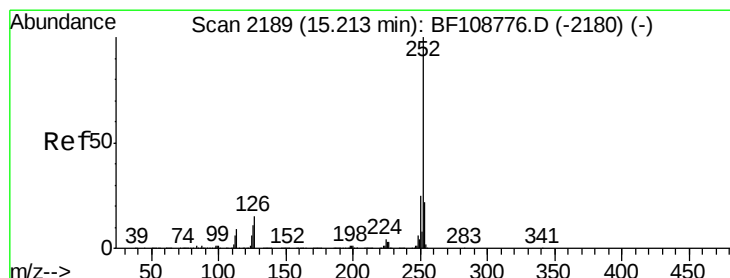
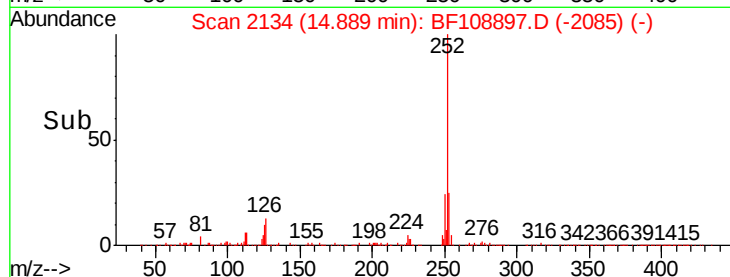
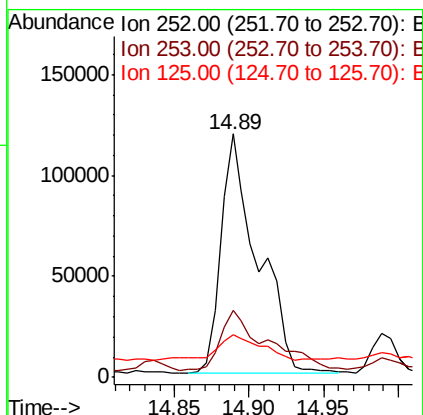
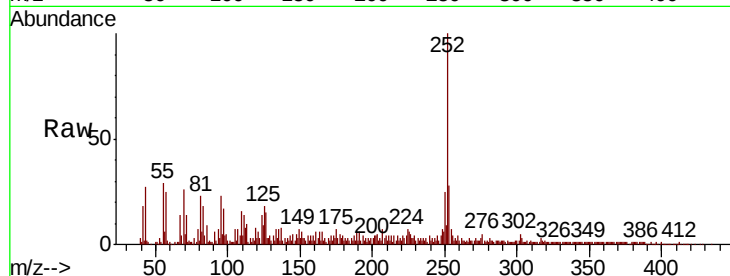




#88
Benzo(k)fluoranthene
Concen: 12.013 ng
RT: 14.89 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

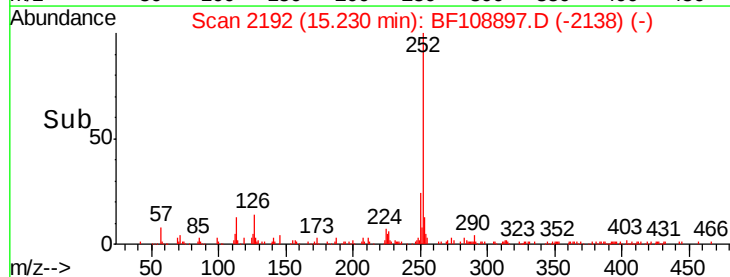
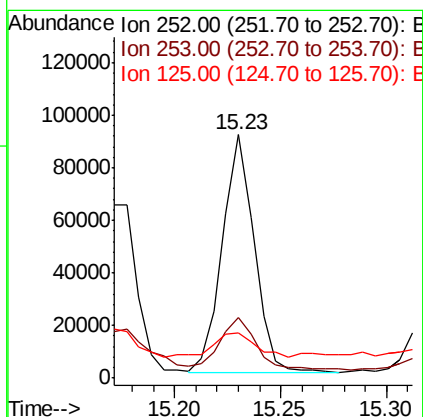
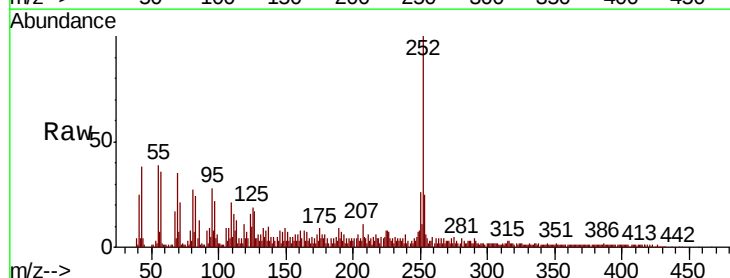
Instrument :
BNA_E
ClientSampleId :

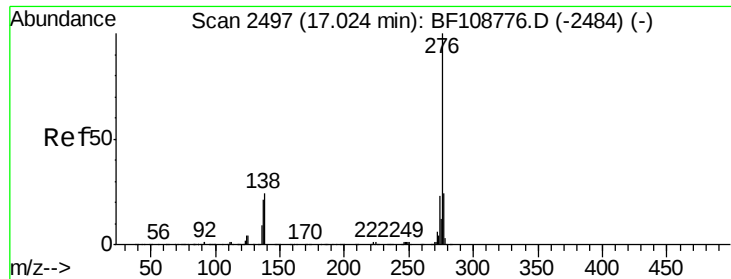
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.9	26.9#
125	17.5	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 5.703 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BF108897.D
Acq: 10 Sep 2018 17:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	18.8	9.8	14.6#

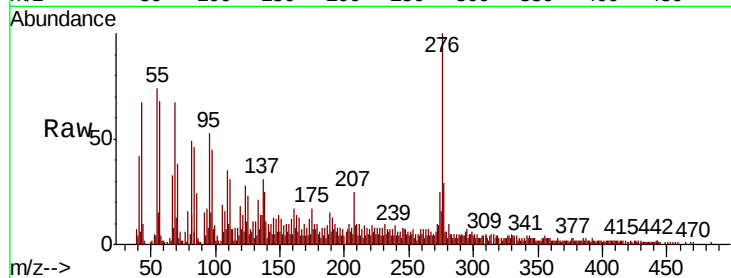




#91
 Benzo(a,h,i)perylene
 Concen: 4.011 ng
 RT: 17.07 min Scan# 2504
 Delta R.T. 0.04 min
 Lab File: BF108897.D
 Acq: 10 Sep 2018 17:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.6	17.9	26.9#
138	24.5	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

