

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108888.D
 Acq On : 10 Sep 2018 13:09
 Operator : JU/SJ
 Sample : J4769-01 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 14:48:25 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

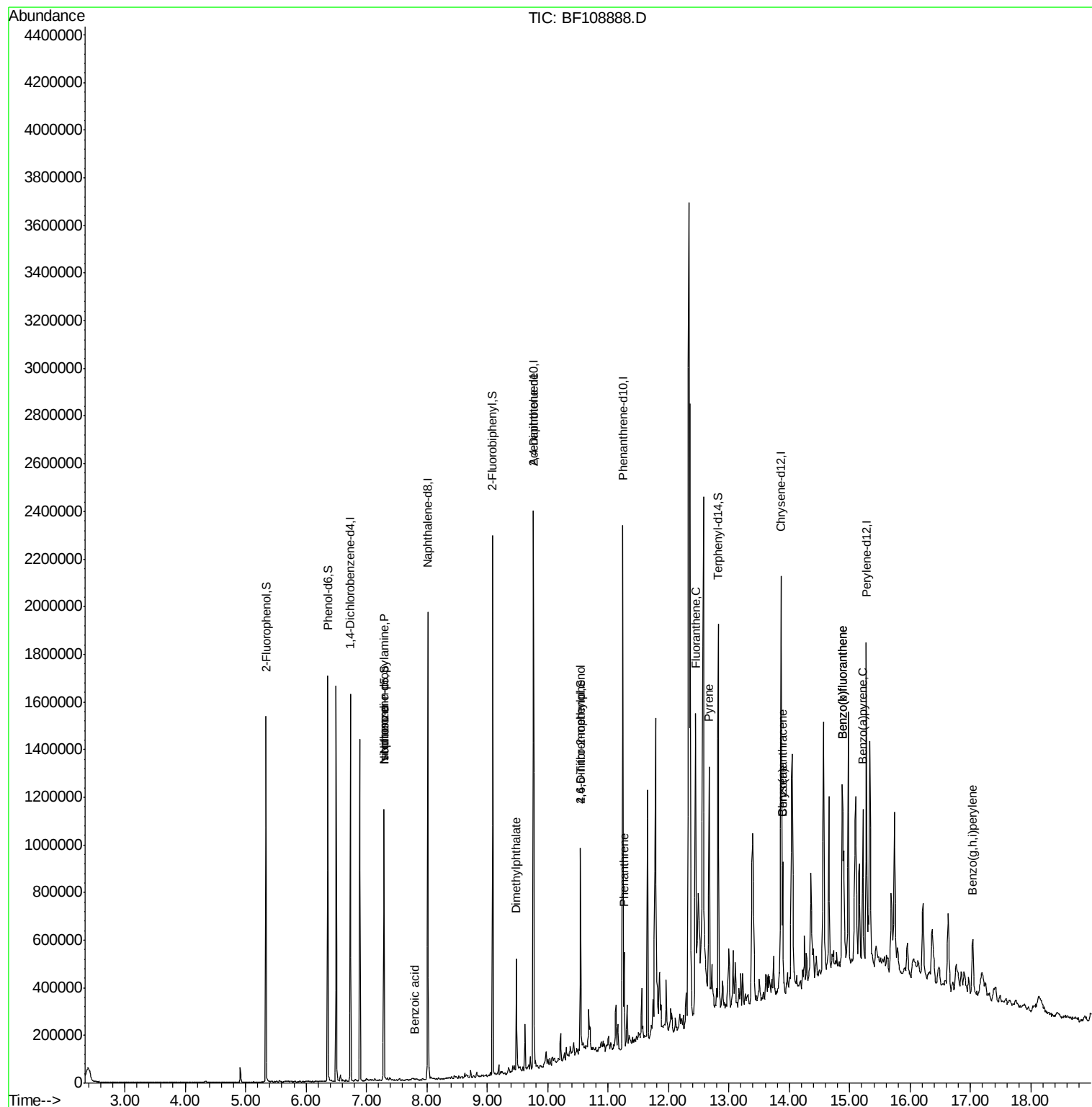
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	222853	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	854869	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	412563	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	730417	20.00	ng	0.00
75) Chrysene-d12	13.87	240	503064	20.00	ng	0.00
86) Perylene-d12	15.28	264	602027	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	398528	29.63	ng	0.00
7) Phenol-d6	6.36	99	512271	29.60	ng	0.00
23) Nitrobenzene-d5	7.29	82	308164	22.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	104907	26.64	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	614854	25.42	ng	0.00
78) Terphenyl-d14	12.82	244	493003	22.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	40633	3.377	ng	# 76
25) Isophorone	7.29	82	304759	11.185	ng	# 64
32) Benzoic acid	7.80	122	256	4.052	ng	# 37
49) Dimethylphthalate	9.48	163	152221	5.275	ng	# 98
56) 2,4-Dinitrotoluene	9.77	165	55451	7.886	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	124	6.905	ng	# 1
70) Phenanthrene	11.27	178	136844	3.923	ng	# 97
74) Fluoranthene	12.45	202	373002	10.801	ng	# 98
77) Pyrene	12.68	202	395954	10.229	ng	# 98
80) Benzo(a)anthracene	13.89	228	238292	7.390	ng	# 96
82) Chrysene	13.89	228	238292	7.634	ng	# 97
87) Benzo(b)fluoranthene	14.88	252	498519	15.229	ng	# 96
88) Benzo(k)fluoranthene	14.88	252	498519	16.537	ng	# 99
89) Benzo(a)pyrene	15.22	252	293892	9.950	ng	# 97
91) Benzo(a,h,i)perylene	17.04	276	183209	7.030	ng	# 95

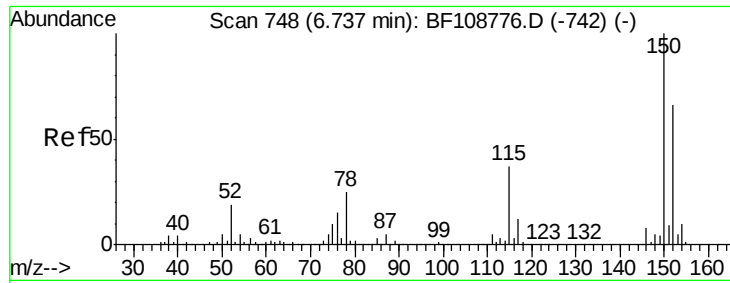
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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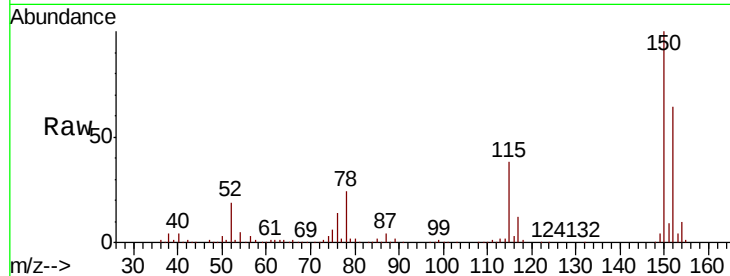


#1

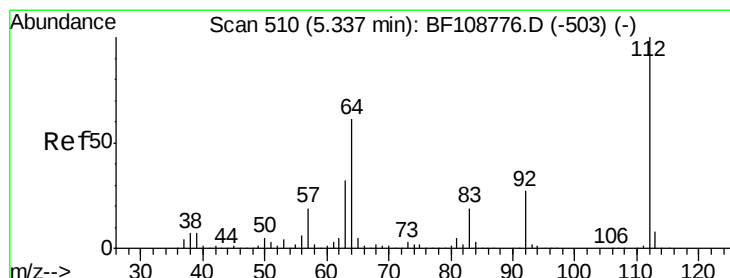
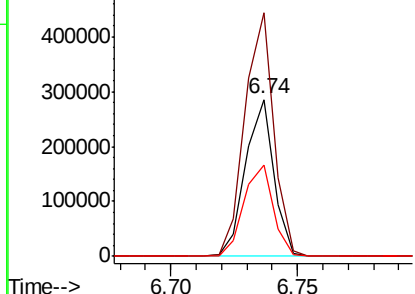
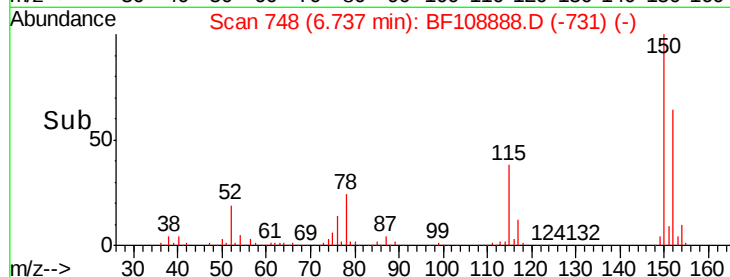
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	58.5	50.1	75.1



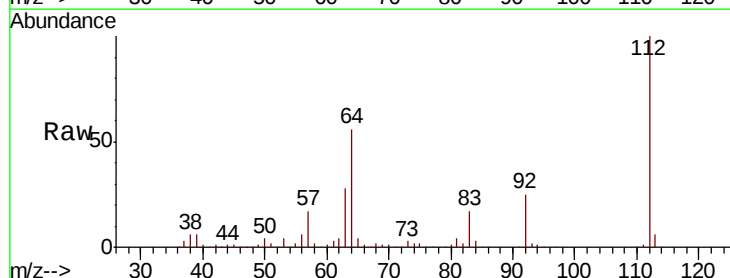
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



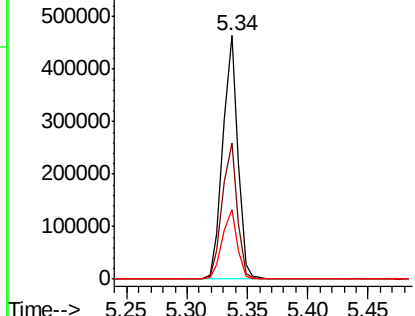
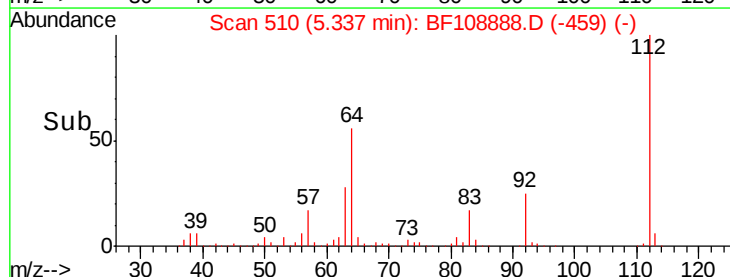
#5

2-Fluorophenol
Concen: 29.626 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	28.5	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: 29.597 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108888.D

Acq: 10 Sep 2018 13:09

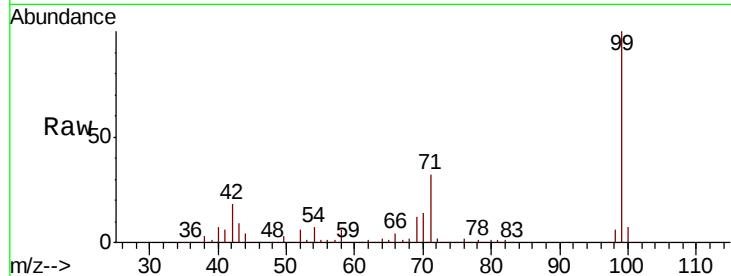
Instrument :

BNA_E

ClientSampleId :

Tot Ion: 99 Resp: 512271

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.5	21.7
71	32.4	25.4	38.0

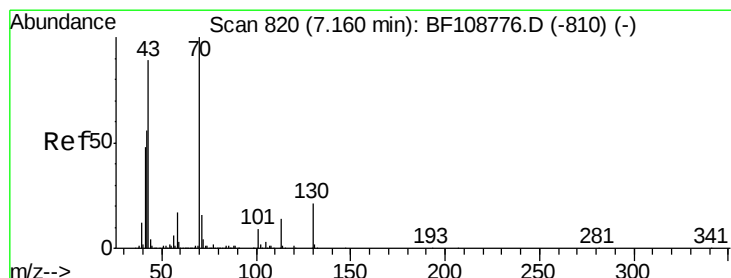
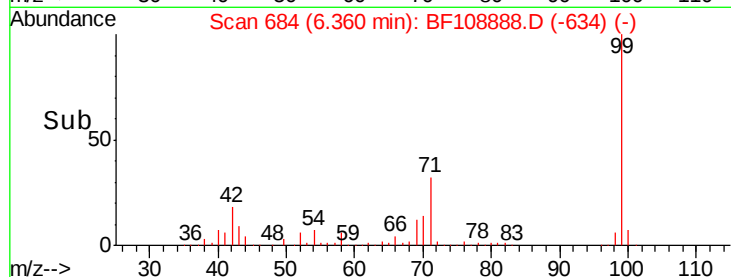
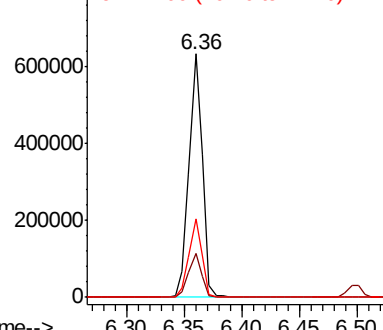


Abundance

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: 3.377 ng

RT: 7.29 min Scan# 842

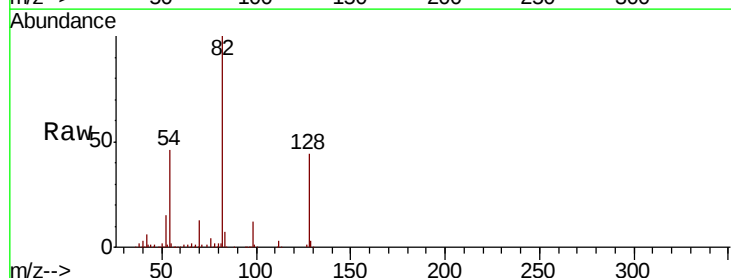
Delta R.T. 0.13 min

Lab File: BF108888.D

Acq: 10 Sep 2018 13:09

Tgt Ion: 70 Resp: 40633

Ion	Ratio	Lower	Upper
70	100		
42	46.1	47.5	71.3#
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



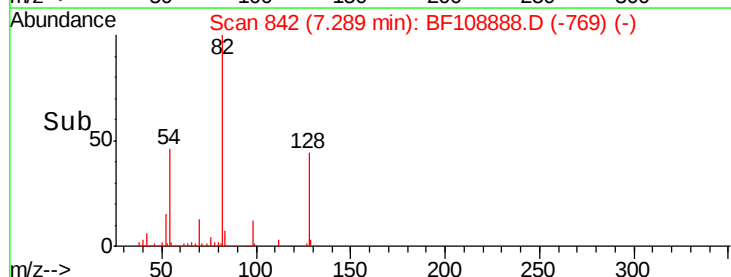
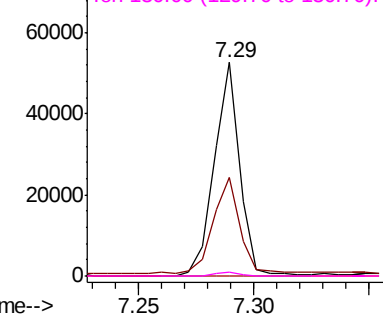
Abundance

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

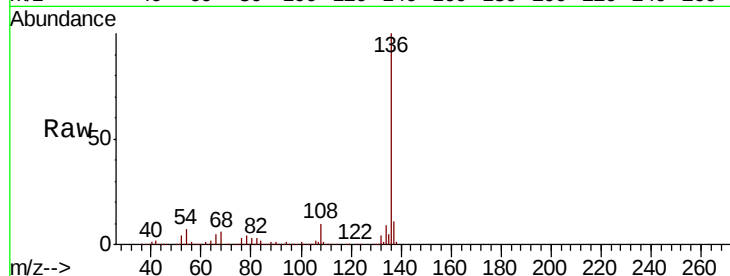




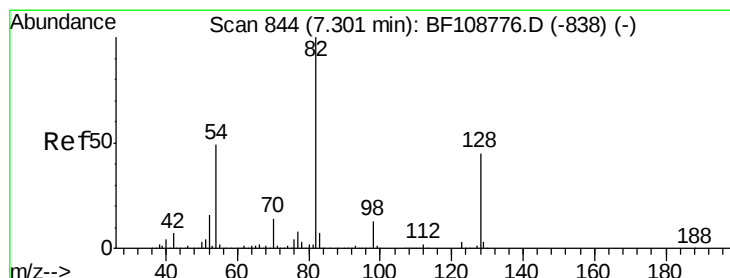
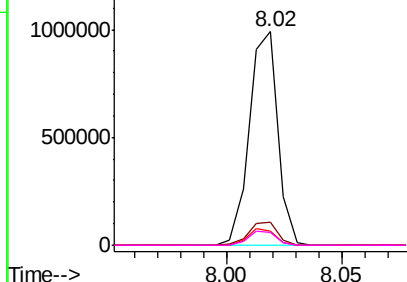
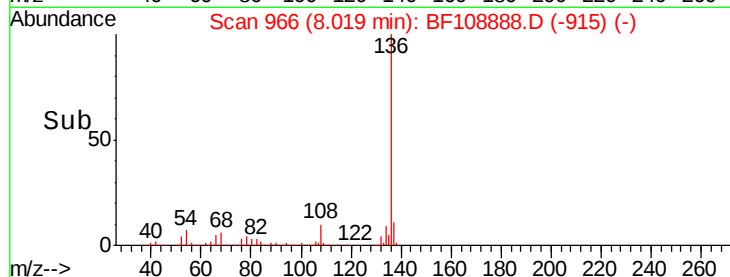
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:136	Resp:	854869
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	6.9	6.6 9.8
68	5.8	5.0 7.4

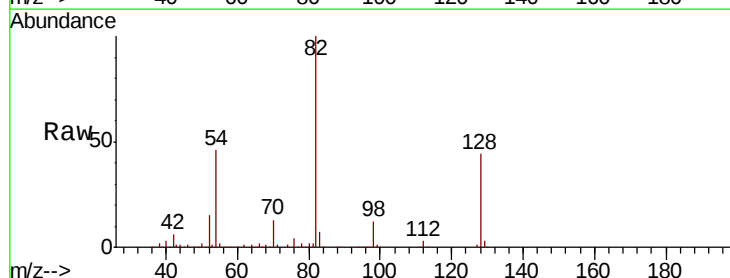


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

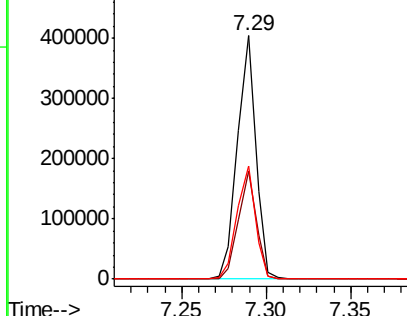
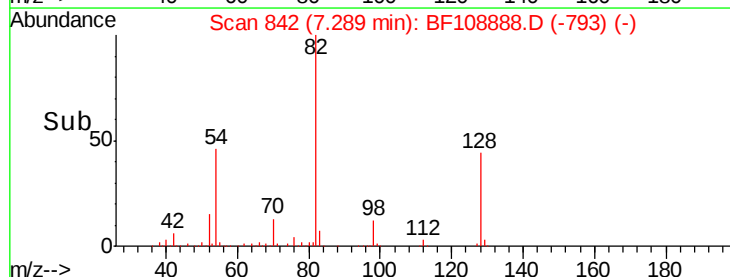


#23
Nitrobenzene-d5
Concen: 22.559 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

Tgt Ion: 82	Resp:	308164
Ion	Ratio	Lower Upper
82	100	
128	44.4	36.1 54.1
54	46.5	41.4 62.2



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





#25

Isophorone

Concen: 11.185 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108888.D

Acq: 10 Sep 2018 13:09

Instrument :

BNA_E

ClientSampleId :

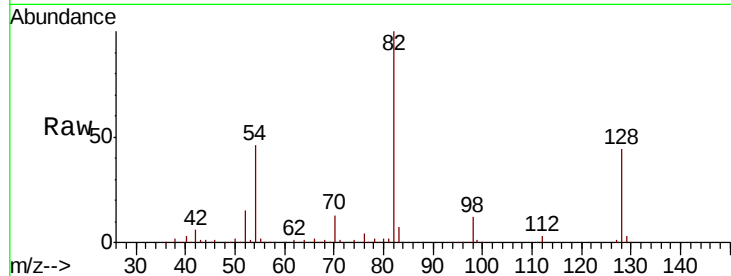
Tot Ion: 82 Resp: 304759

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

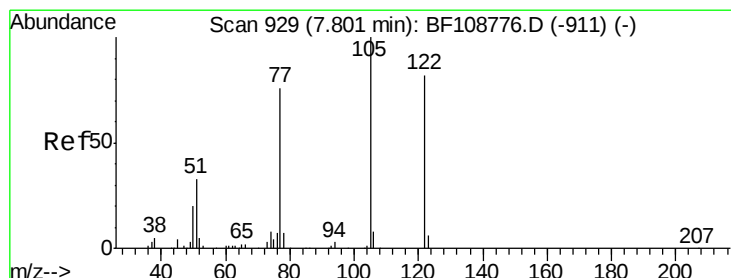
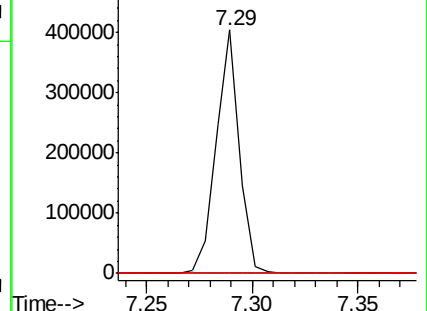
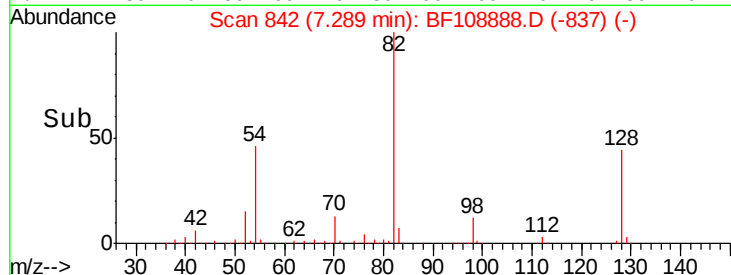
138 0.0 14.9 22.3#



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: 4.052 ng

RT: 7.80 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF108888.D

Acq: 10 Sep 2018 13:09

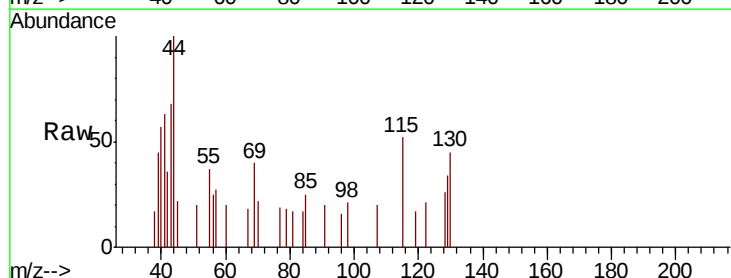
Tgt Ion: 122 Resp: 256

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

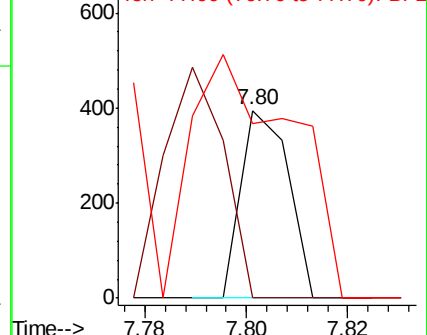
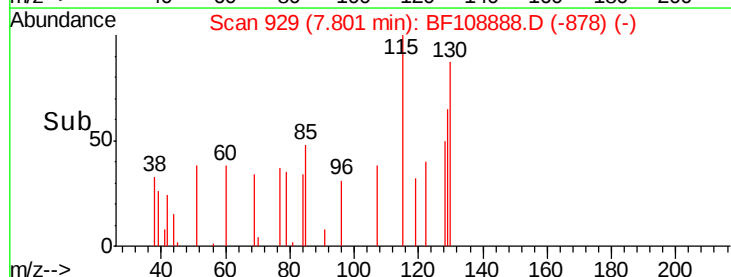
77 92.7 70.7 110.7

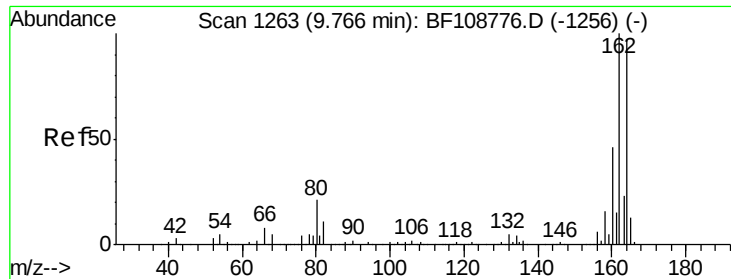


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

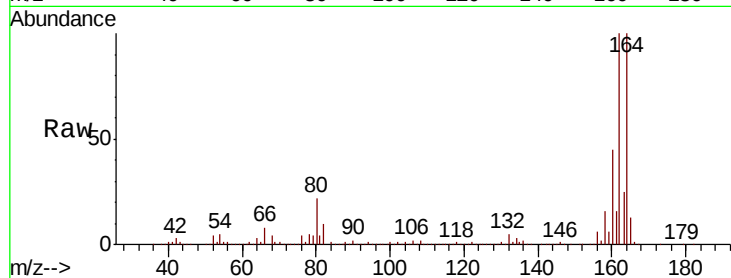




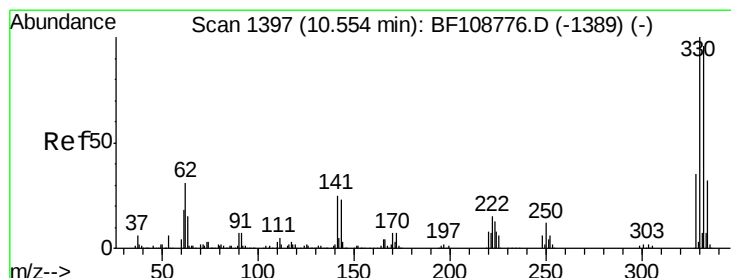
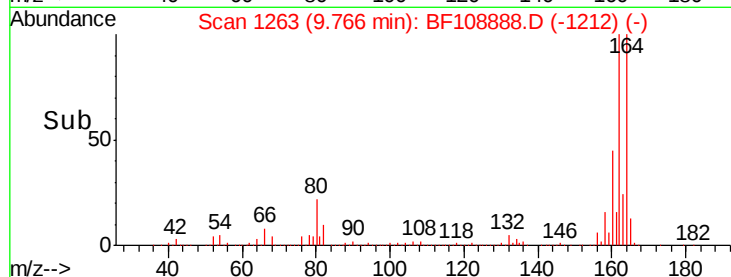
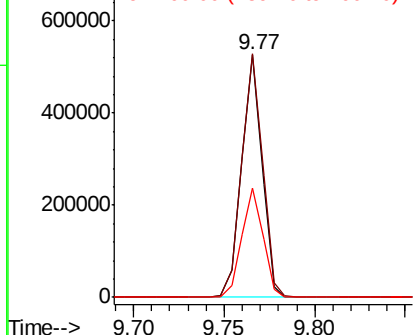
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108888.D
 Acq: 10 Sep 2018 13:09

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	86.1	129.1
160	45.0	38.3	57.5

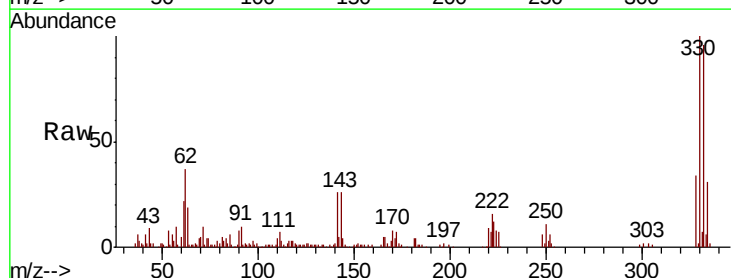


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

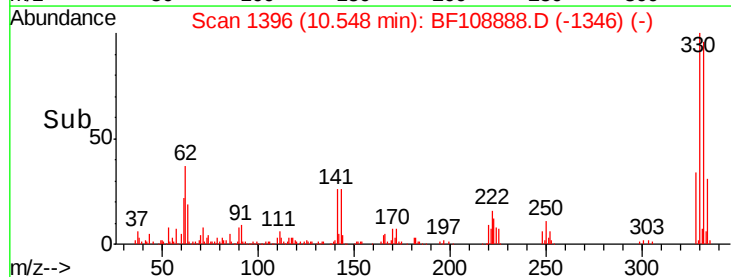
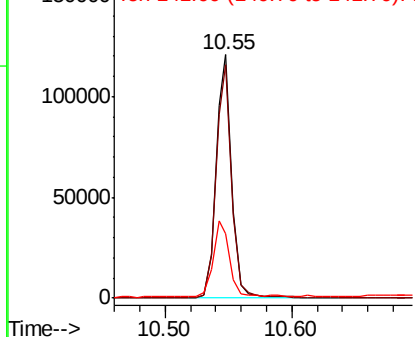


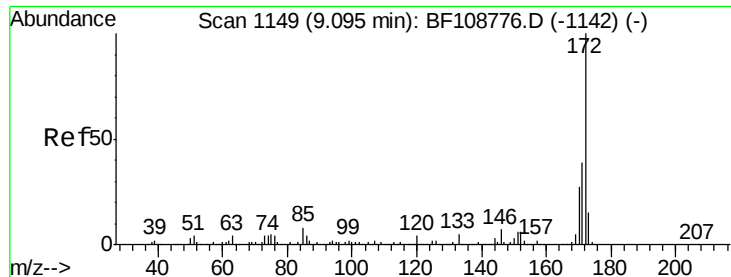
#41
 2,4,6-Tribromophenol
 Concen: 26.636 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108888.D
 Acq: 10 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	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

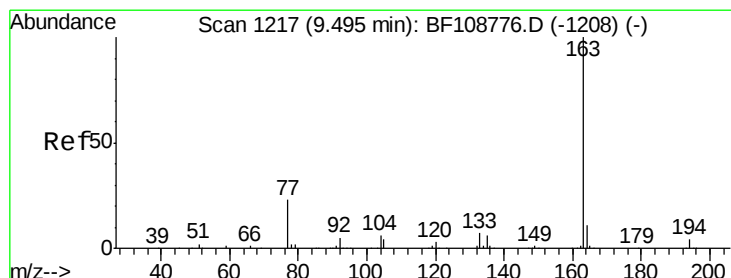
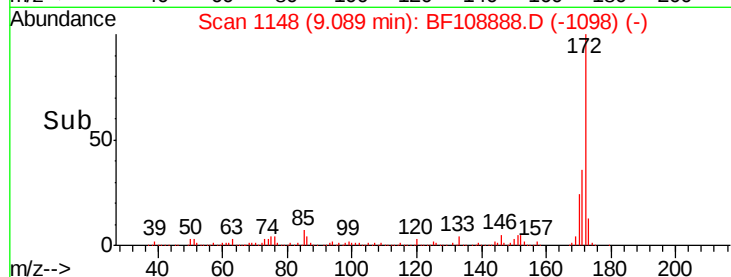
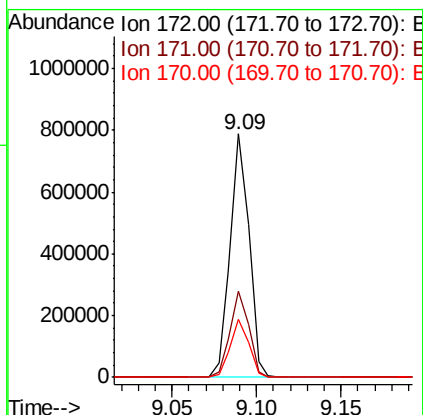
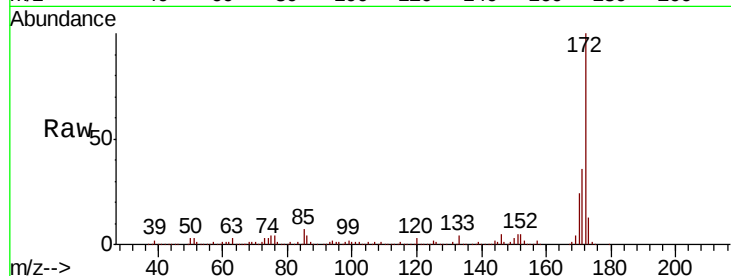




#44
2-Fluorobiphenyl
Concen: 25.425 ng
RT: 9.09 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

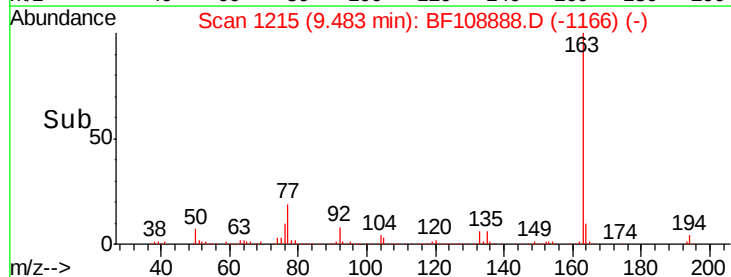
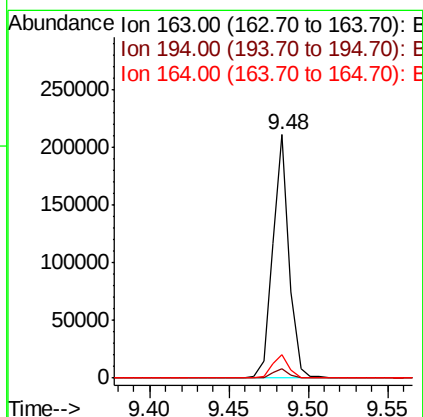
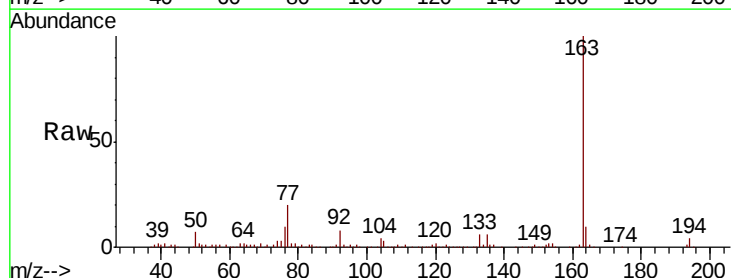
Instrument :
BNA_E
ClientSampleId :

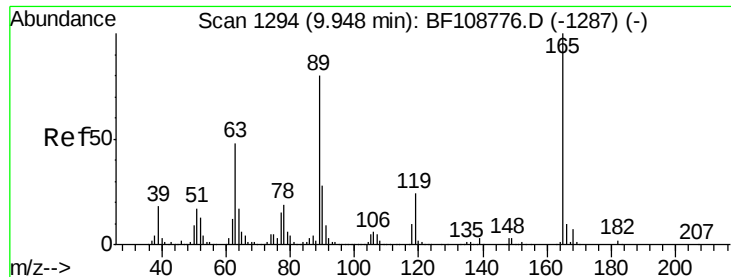
Tot Ion:172 Resp: 614854
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 23.8 19.6 29.4



#49
Dimethylphthalate
Concen: 5.275 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

Tgt Ion:163 Resp: 152221
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.5 8.2 12.2

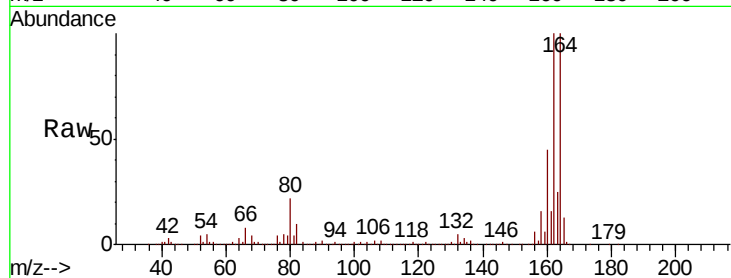




#56
 2,4-Dinitrotoluene
 Concen: 7.886 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108888.D
 Acq: 10 Sep 2018 13:09

Instrument :
 BNA_E
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.5	1.6	2.4#



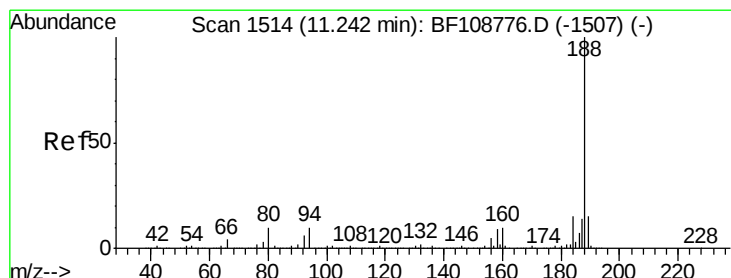
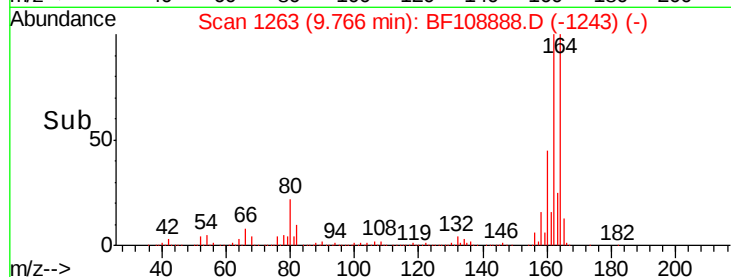
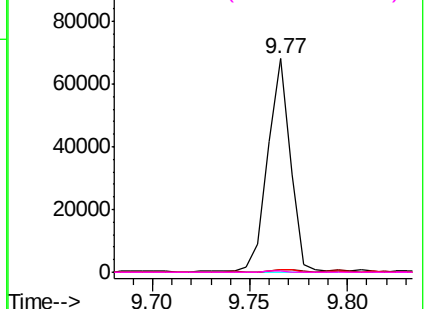
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

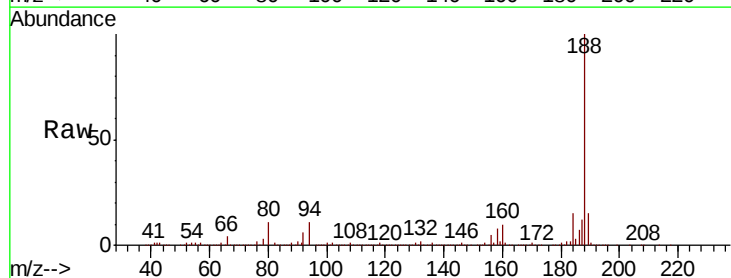
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BF108888.D
 Acq: 10 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	10.7	9.2	13.8

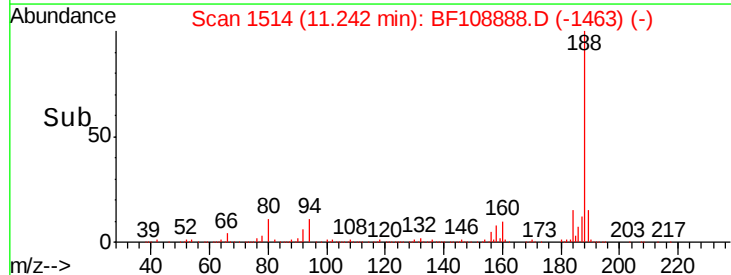
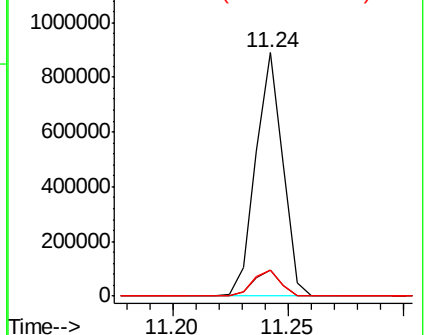


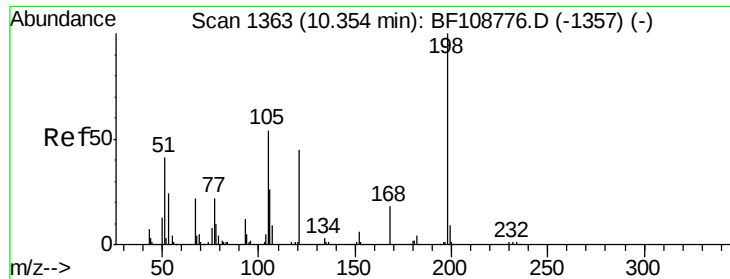
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

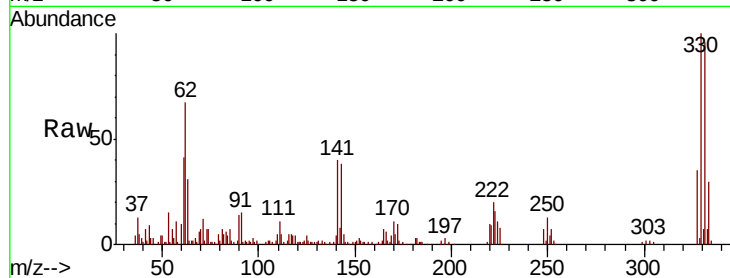




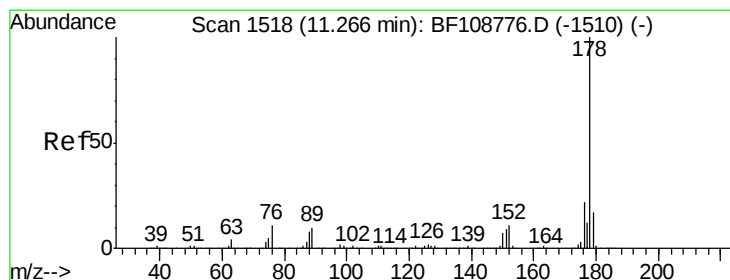
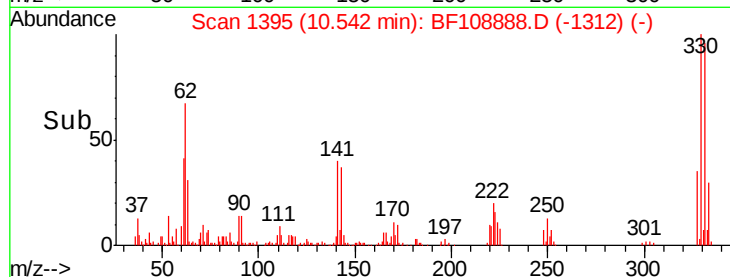
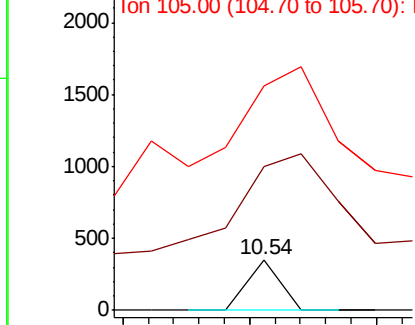
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.905 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. 0.19 min
 Lab File: BF108888.D
 Acq: 10 Sep 2018 13:09

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:198 Resp: 124
 Ion Ratio Lower Upper
 198 100
 51 284.6 37.7 77.7#
 105 443.6 36.3 76.3#

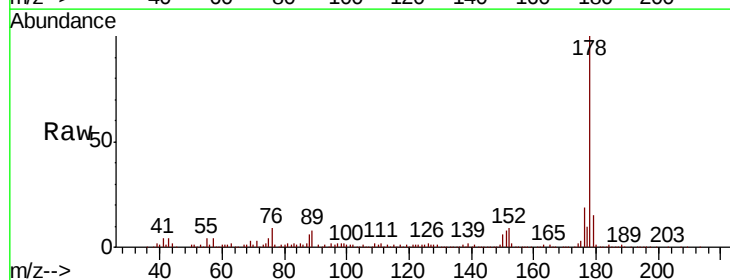


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

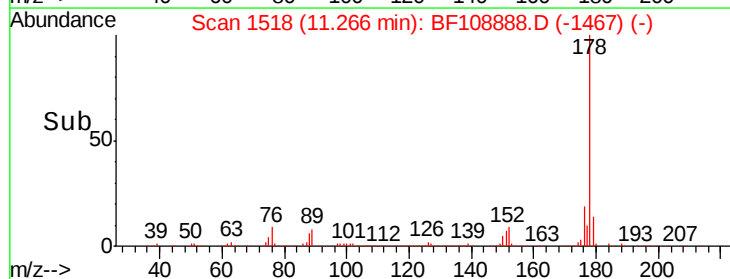
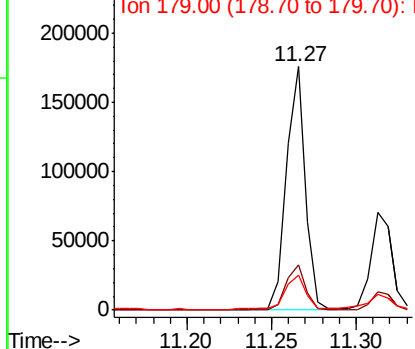


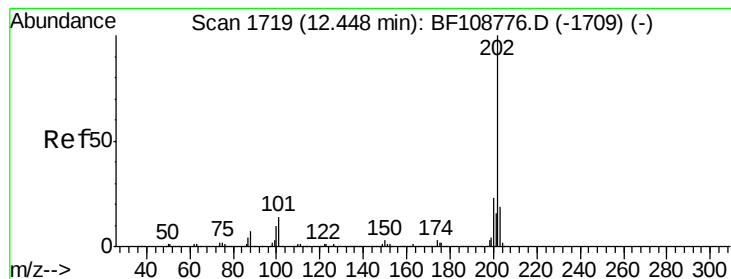
#70
 Phenanthrene
 Concen: 3.923 ng
 RT: 11.27 min Scan# 1518
 Delta R.T. -0.00 min
 Lab File: BF108888.D
 Acq: 10 Sep 2018 13:09

Tgt Ion:178 Resp: 136844
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 14.6 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: 10.801 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108888.D

Acq: 10 Sep 2018 13:09

Instrument :

BNA_E

ClientSampleId :

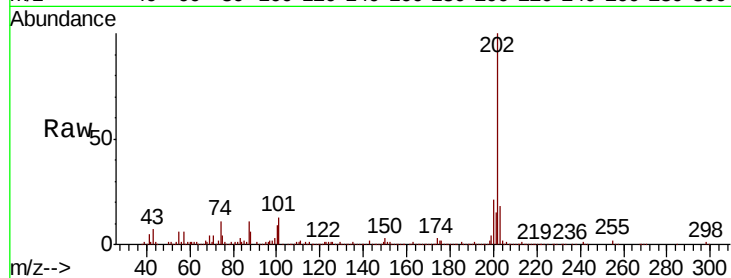
Tot Ion:202 Resp: 373002

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

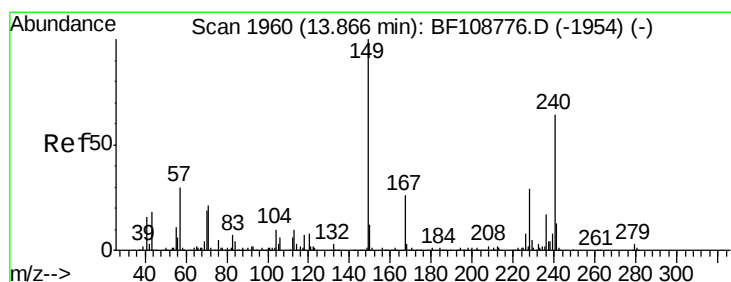
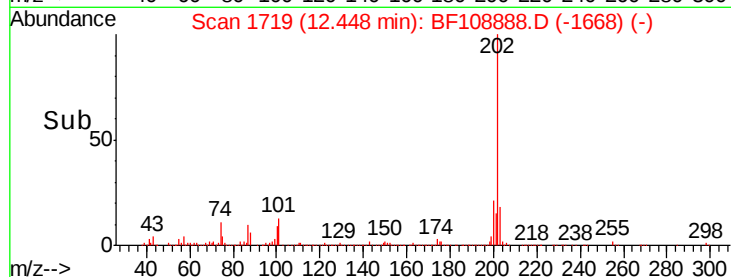
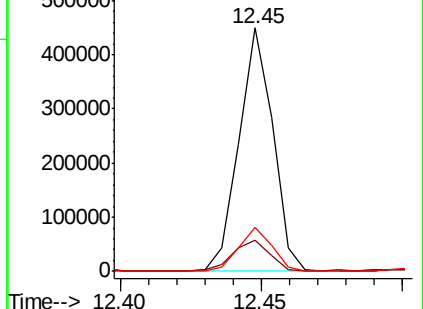
203 18.0 0.0 38.1



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: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108888.D

Acq: 10 Sep 2018 13:09

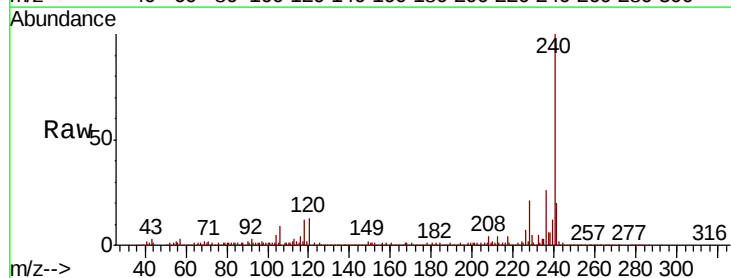
Tgt Ion:240 Resp: 503064

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

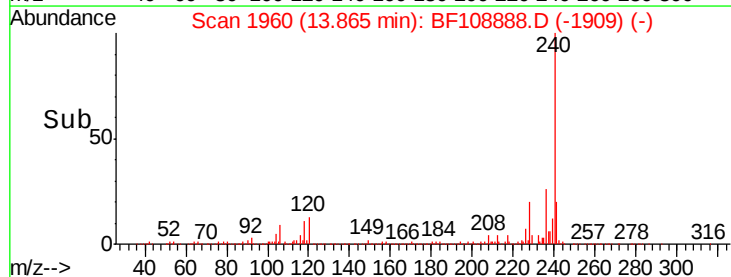
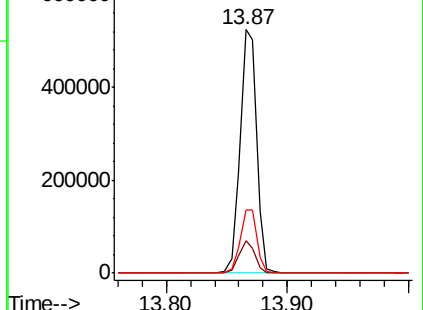
236 26.0 20.7 31.1

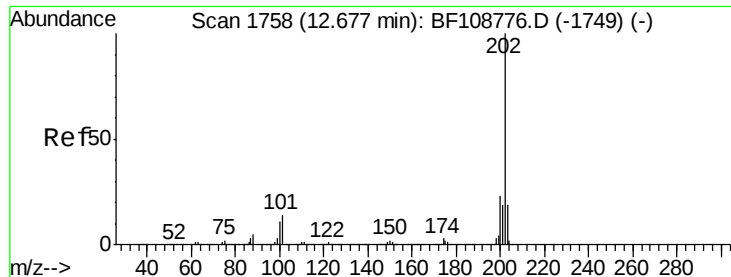


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

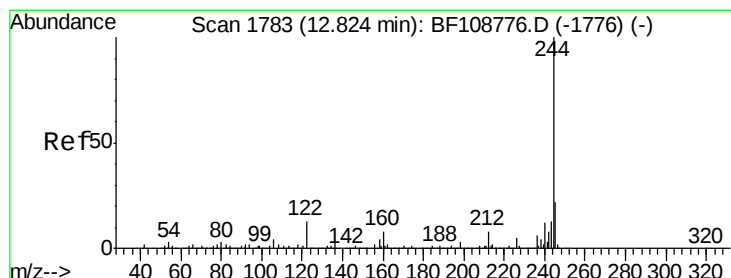
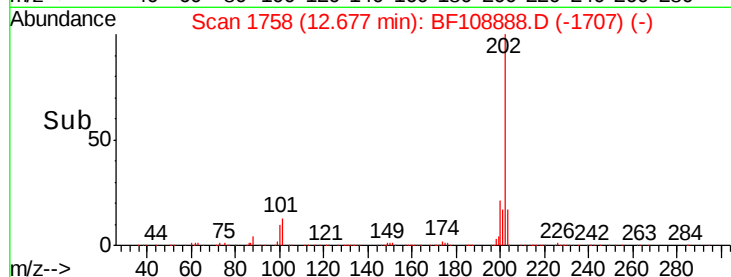
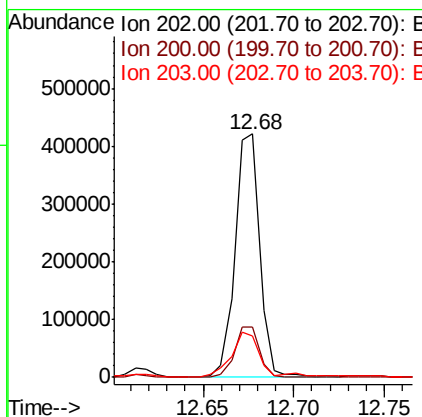
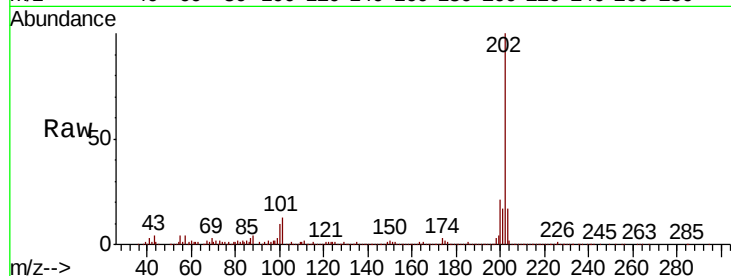




#77
Pvrene
Concen: 10.229 ng
RT: 12.68 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

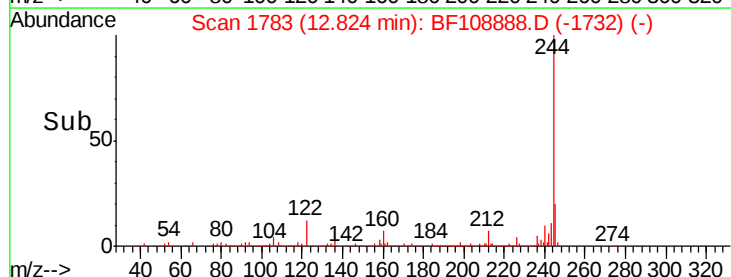
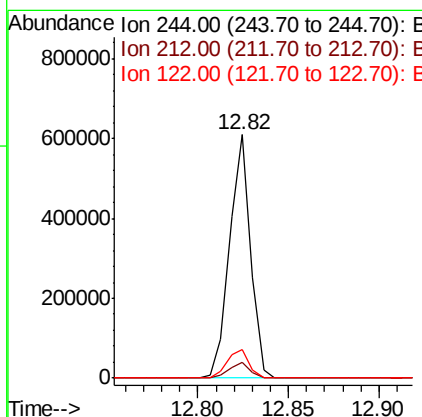
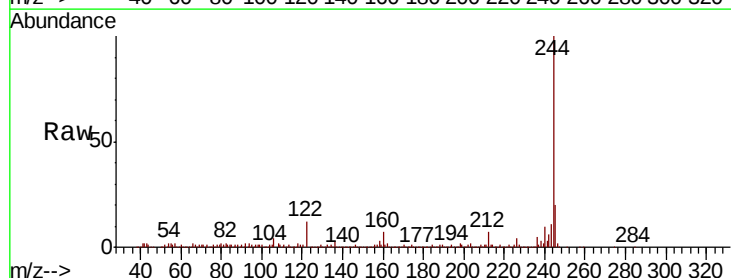
Instrument :
BNA_E
ClientSampleId :

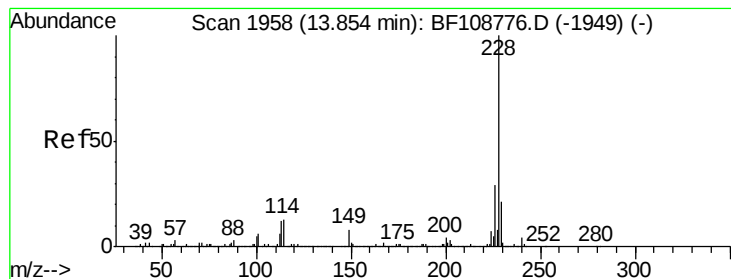
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.2	14.3	21.5



#78
Terphenyl-d14
Concen: 22.853 ng
RT: 12.82 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.8	11.0	16.4





#80

Benzo(a)anthracene

Concen: 7.390 ng

RT: 13.89 min Scan# 1965

Delta R.T. 0.04 min

Lab File: BF108888.D

Acq: 10 Sep 2018 13:09

Instrument :

BNA_E

ClientSampleId :

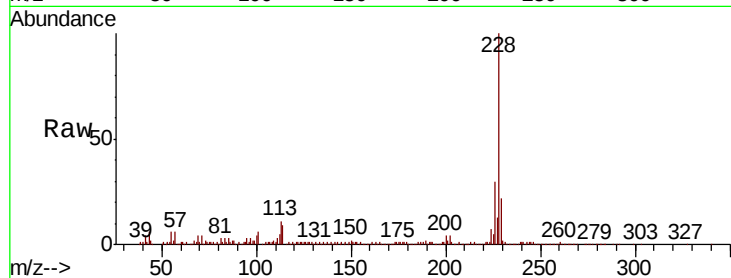
Tot Ion:228 Resp: 238292

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

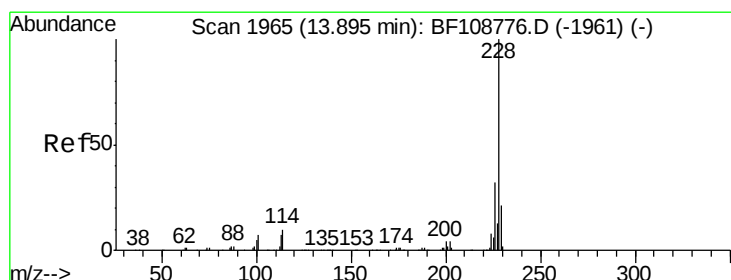
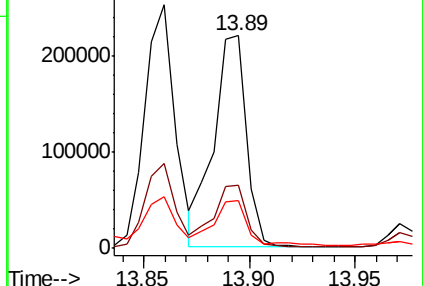
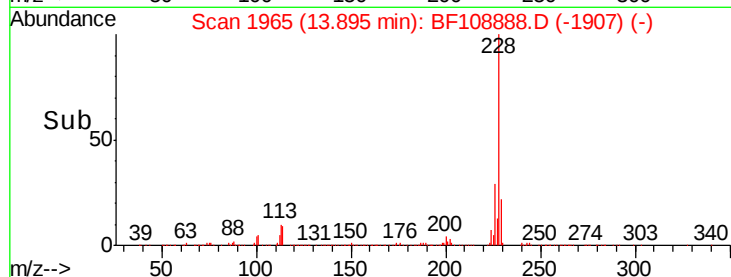
229 22.3 15.8 23.6



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: 7.634 ng

RT: 13.89 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BF108888.D

Acq: 10 Sep 2018 13:09

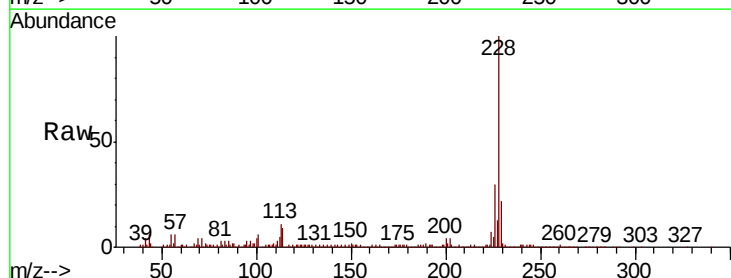
Tgt Ion:228 Resp: 238292

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

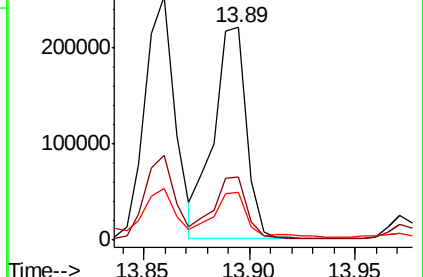
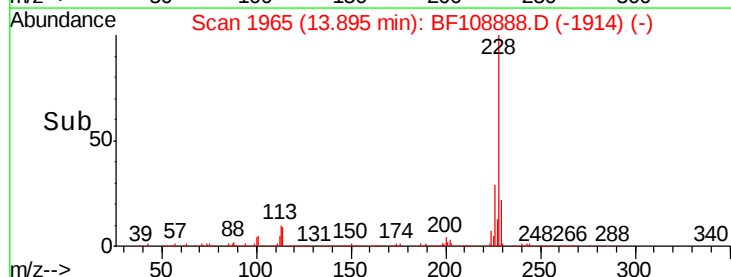
229 22.3 16.2 24.4

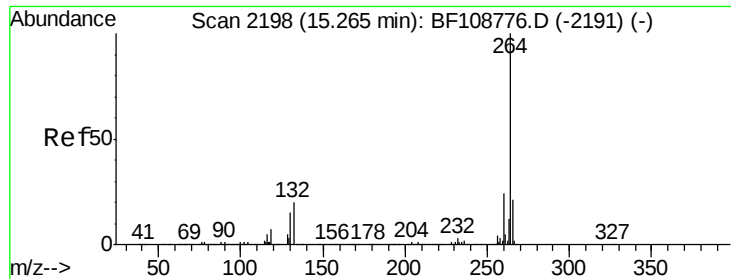


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

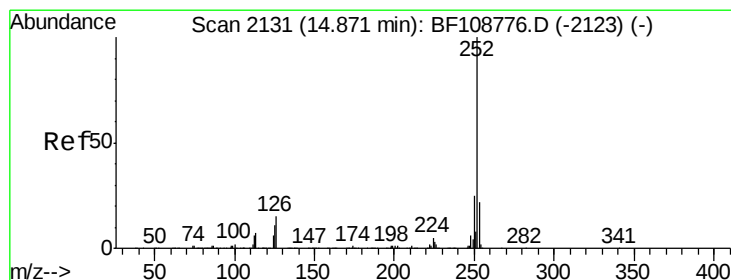
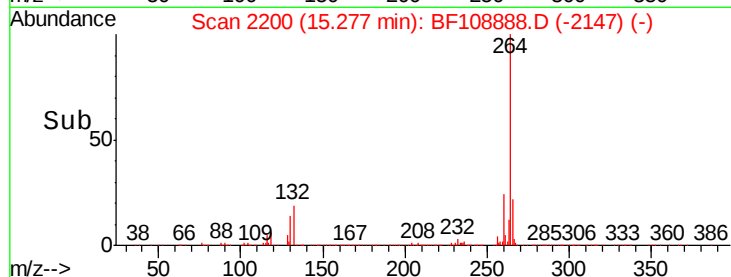
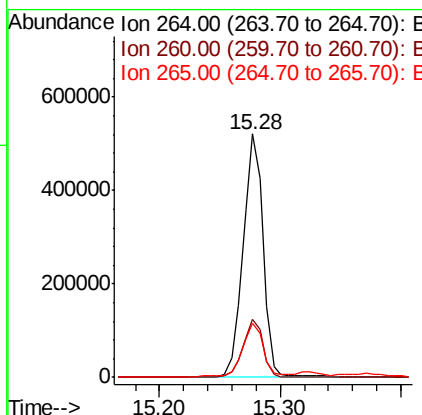
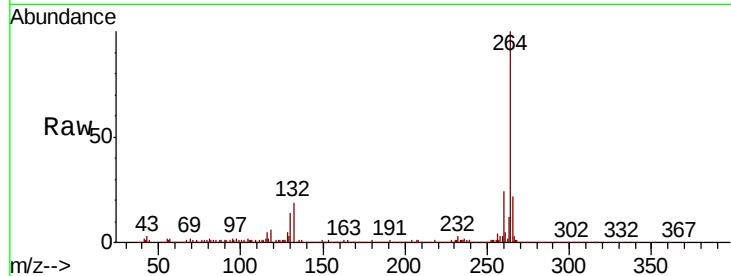




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

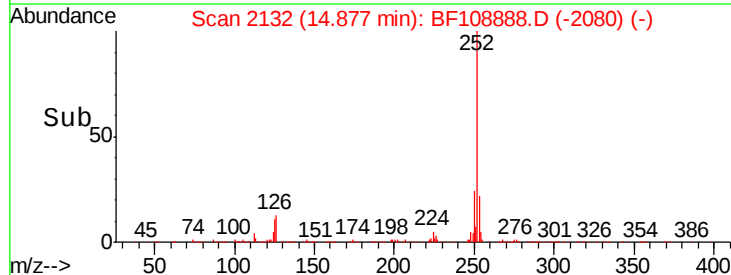
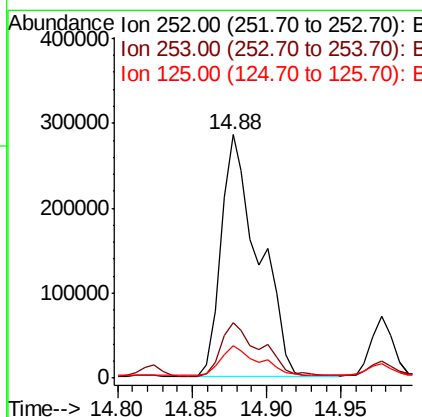
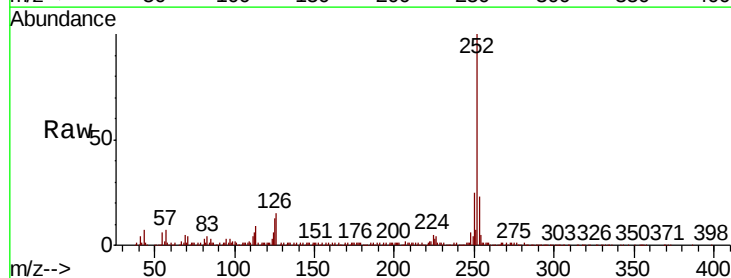
Instrument :
BNA_E
ClientSampleId :

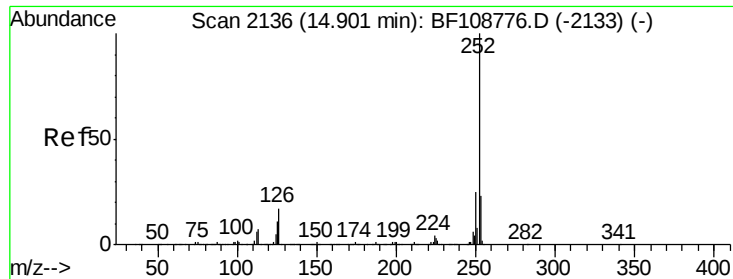
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 15.229 ng
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.2	9.0	13.6

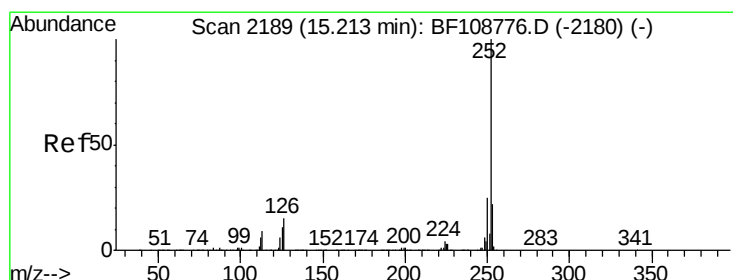
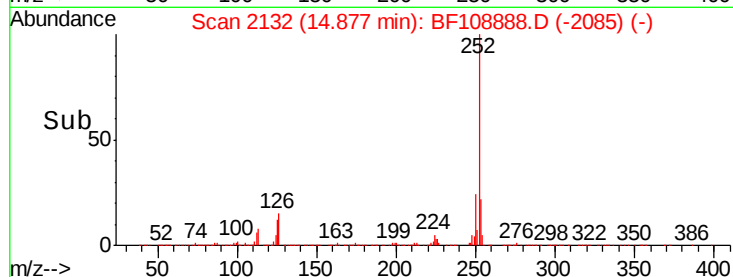
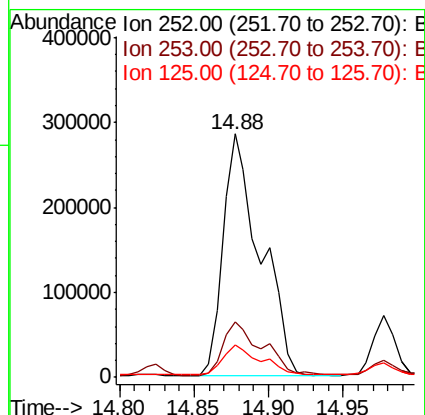
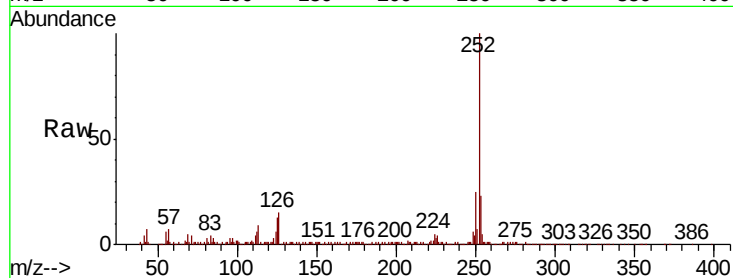




#88
Benzo(k)fluoranthene
Concen: 16.537 ng
RT: 14.88 min Scan# 2132
Delta R.T. -0.02 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

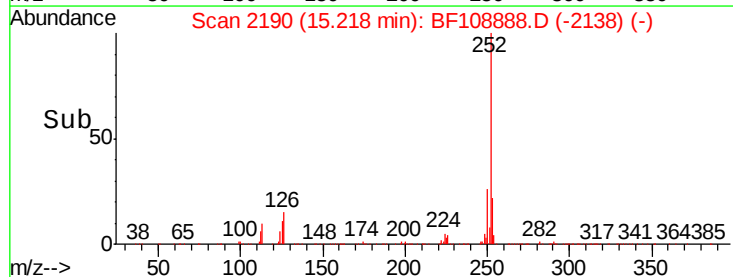
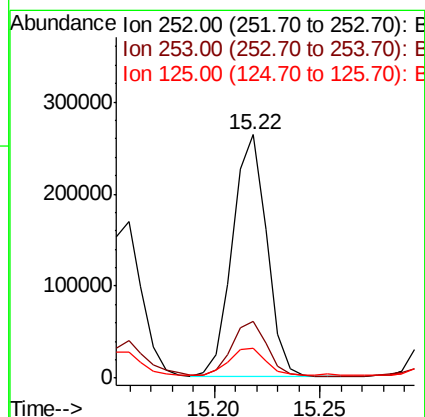
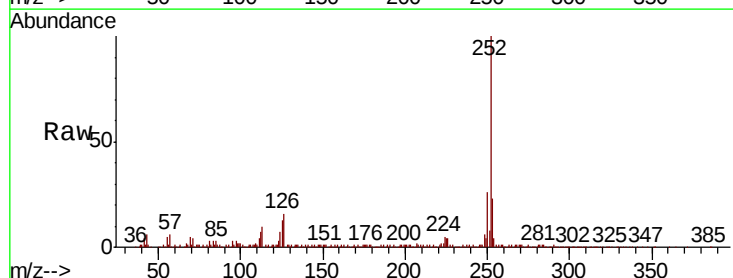
Instrument :
BNA_E
ClientSampleId :

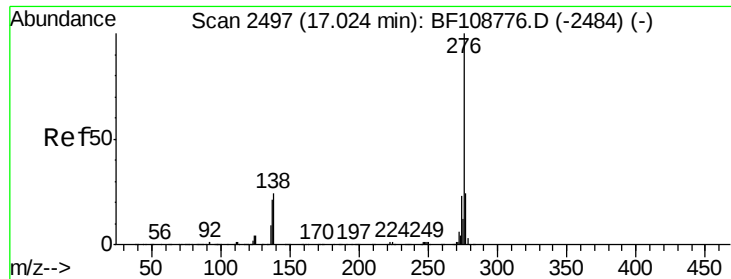
Tot Ion:252 Resp: 498519
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 13.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.950 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF108888.D
Acq: 10 Sep 2018 13:09

Tgt Ion:252 Resp: 293892
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 12.5 9.8 14.6

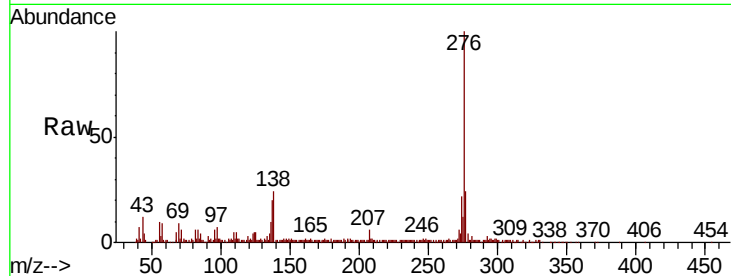




#91
 Benzo(a,h,i)perylene
 Concen: 7.030 ng
 RT: 17.04 min Scan# 2499
 Delta R.T. 0.01 min
 Lab File: BF108888.D
 Acq: 10 Sep 2018 13:09

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	24.1	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

