

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
 Data File : BF108481.D
 Acq On : 24 Aug 2018 23:23
 Operator : JU/SJ
 Sample : J4581-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D3

Quant Time: Aug 25 00:32:23 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 22 11:01:45 2018
 Response via : Initial Calibration

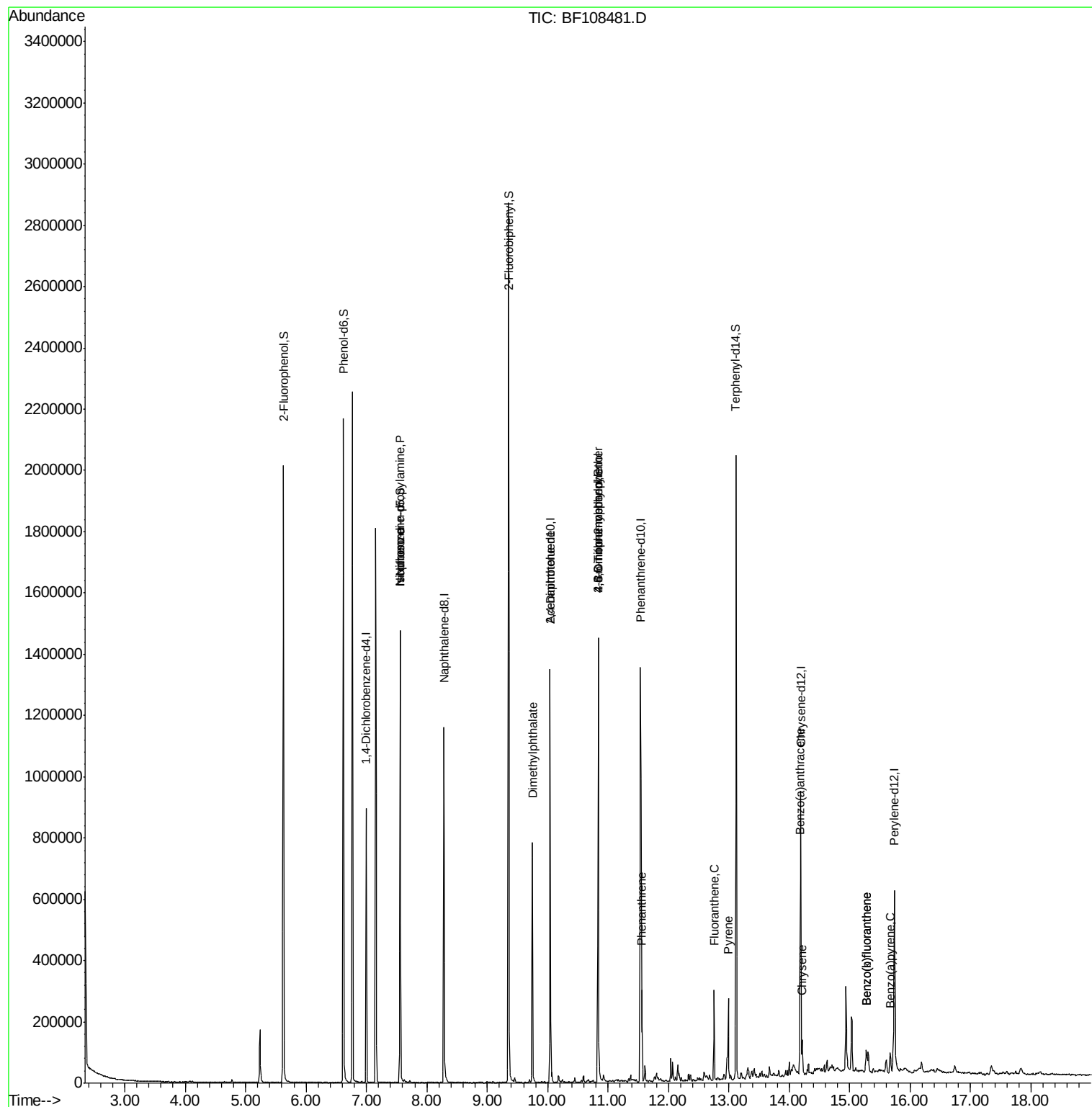
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	131277	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	509457	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	253562	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	476281	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	281886	20.00	ng	-0.01
86) Perylene-d12	15.74	264	285773	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	481877	66.46	ng	0.00
7) Phenol-d6	6.62	99	667018	69.22	ng	-0.01
23) Nitrobenzene-d5	7.56	82	447172	48.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	181874	71.91	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	819605	51.89	ng	-0.01
78) Terphenyl-d14	13.12	244	719725	64.92	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	58847	9.031	ng	# 81
25) Isophorone	7.56	82	447168	25.697	ng	# 64
49) Dimethylphthalate	9.75	163	335426	18.991	ng	# 99
56) 2,4-Dinitrotoluene	10.04	165	32784	6.892	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	318	5.517	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	11863	2.292	ng	# 1
70) Phenanthrene	11.56	178	98008	4.363	ng	97
74) Fluoranthene	12.75	202	114668	4.677	ng	95
77) Pyrene	12.99	202	108458	6.077	ng	98
80) Benzo(a)anthracene	14.18	228	44195	2.732	ng	99
82) Chrysene	14.21	228	38637	2.605	ng	96
87) Benzo(b)fluoranthene	15.27	252	57915	3.392	ng	97
88) Benzo(k)fluoranthene	15.27	252	57915	3.690	ng	97
89) Benzo(a)pyrene	15.67	252	32440	2.121	ng	97

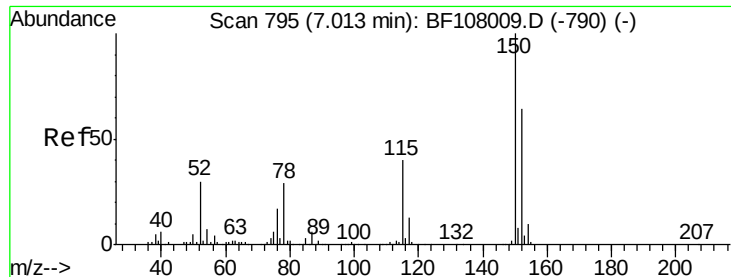
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
Data File : BF108481.D
Acq On : 24 Aug 2018 23:23
Operator : JU/SJ
Sample : J4581-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D3

Quant Time: Aug 25 00:32:23 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 22 11:01:45 2018
Response via : Initial Calibration



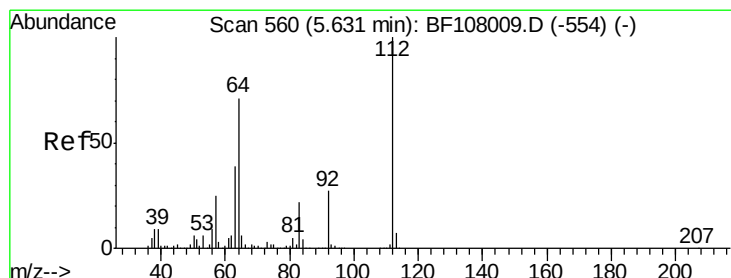
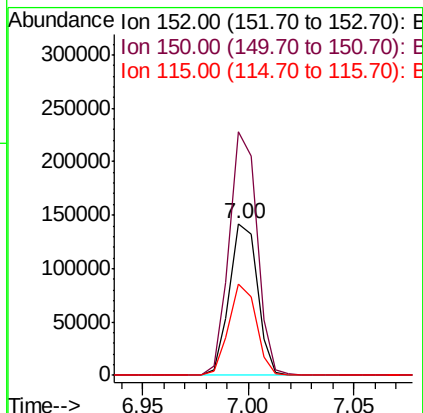
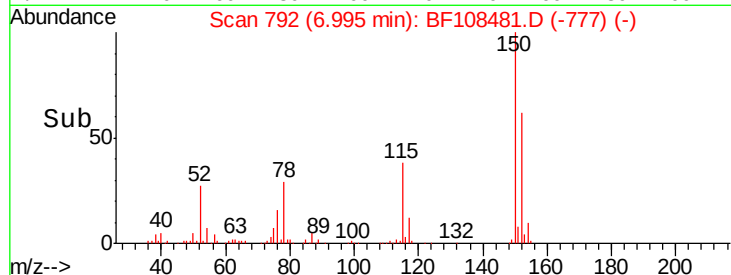
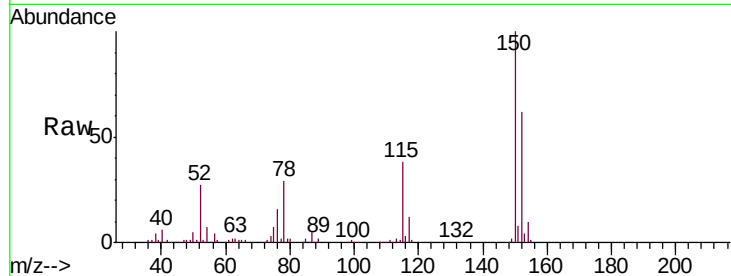


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108481.D
Acq: 24 Aug 2018 23:23

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D3

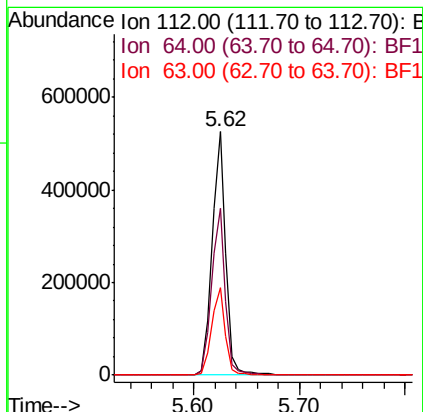
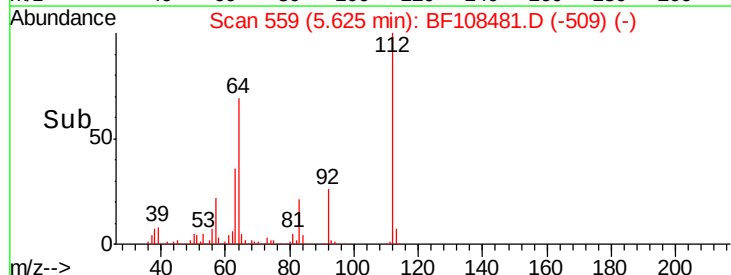
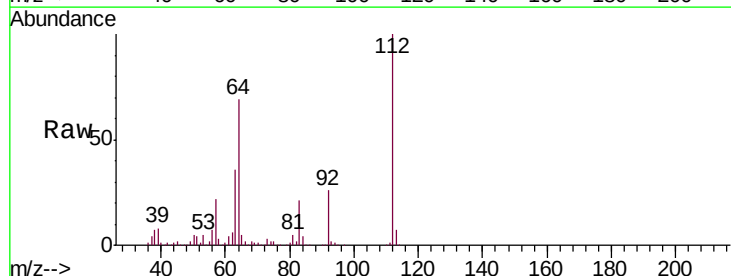
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	60.2	50.1	75.1

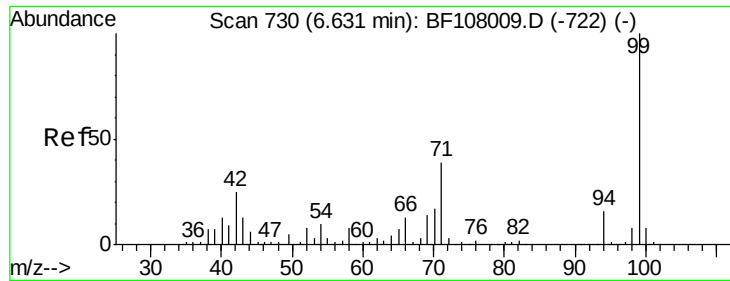


#5

2-Fluorophenol
Concen: 66.456 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108481.D
Acq: 24 Aug 2018 23:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	47.9	71.9
63	36.1	23.7	35.5





#7

Phenol-d6

Concen: 69.224 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D3

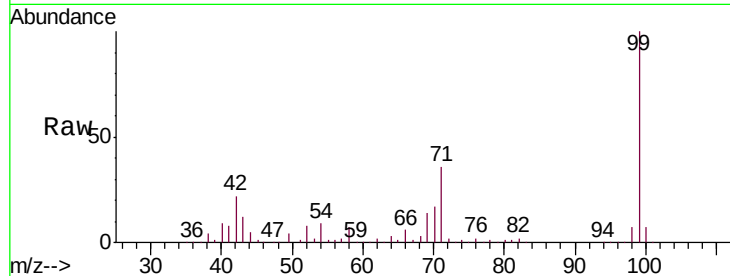
Tgt Ion: 99 Resp: 667018

Ion Ratio Lower Upper

99 100

42 22.1 14.5 21.7#

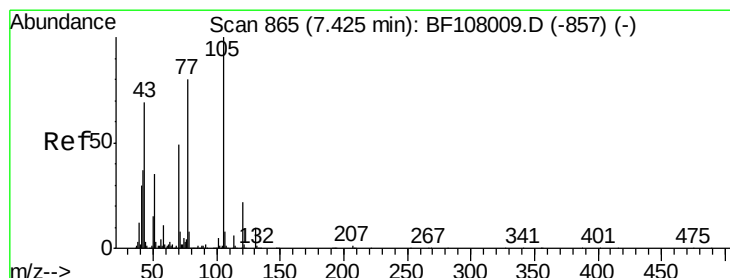
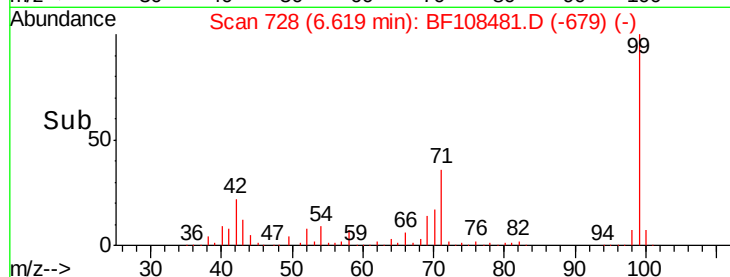
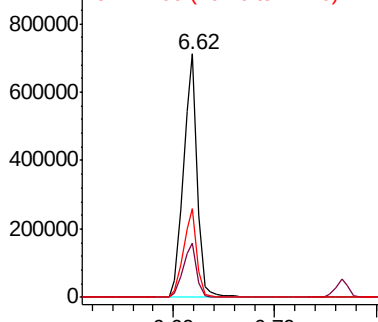
71 36.4 25.4 38.0



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: 9.031 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

Tgt Ion: 70 Resp: 58847

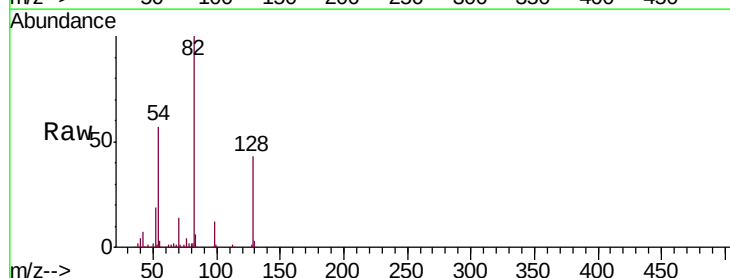
Ion Ratio Lower Upper

70 100

42 51.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

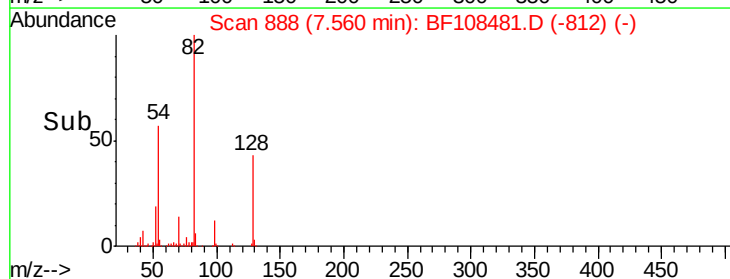
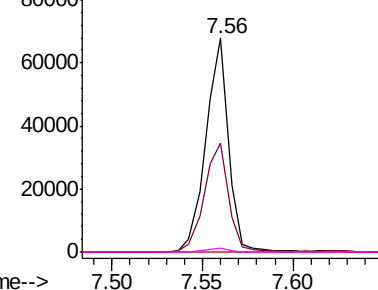


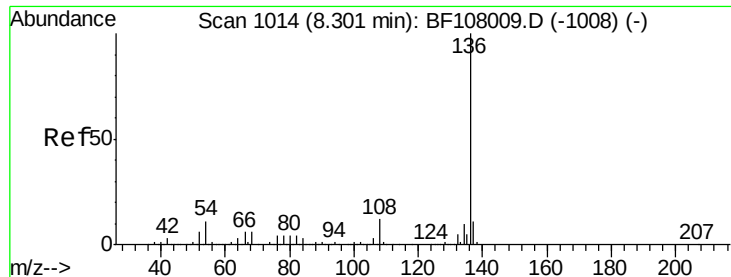
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

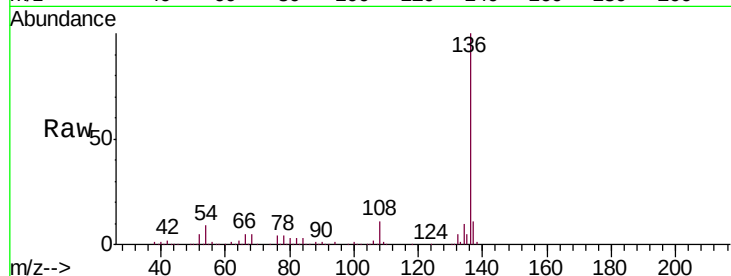




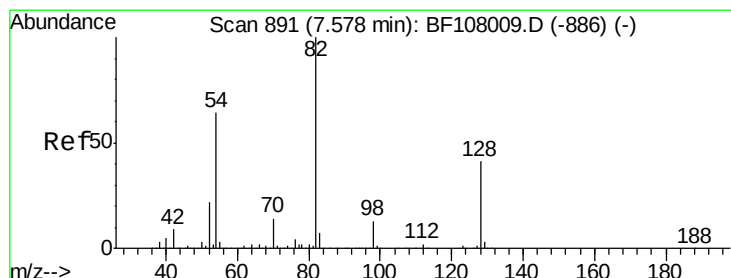
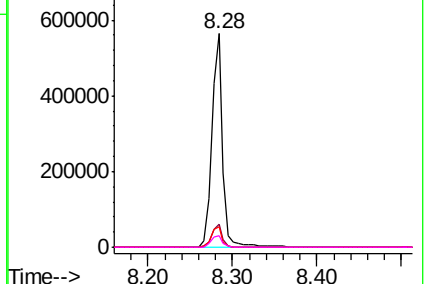
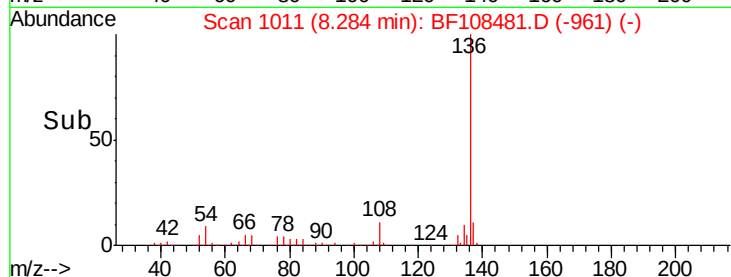
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108481.D
Acq: 24 Aug 2018 23:23

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D3

Tgt Ion:	136	Resp:	509457
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	5.3	5.0	7.4

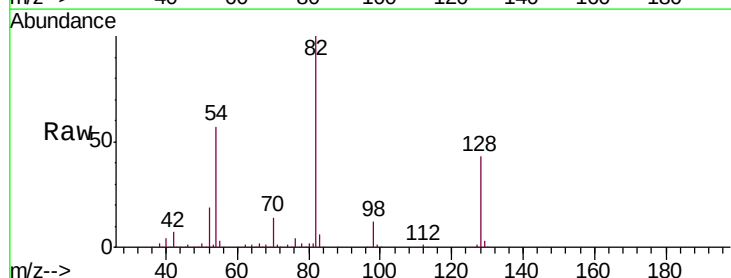


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

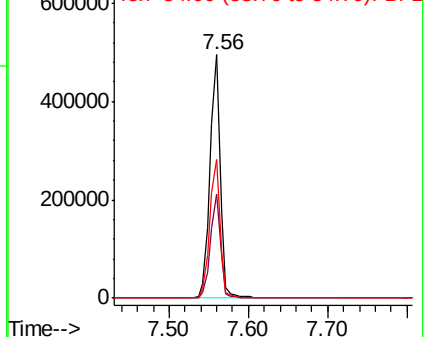
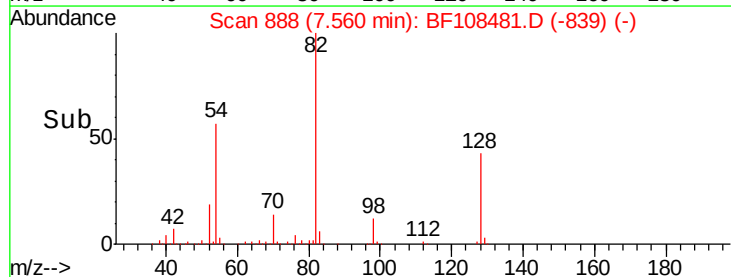


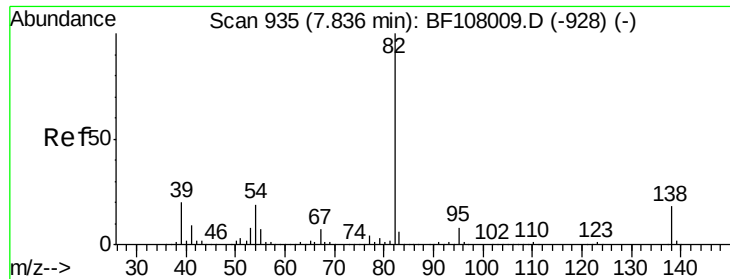
#23
Nitrobenzene-d5
Concen: 48.979 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108481.D
Acq: 24 Aug 2018 23:23

Tgt Ion:	82	Resp:	447172
Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	57.1	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: 25.697 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D3

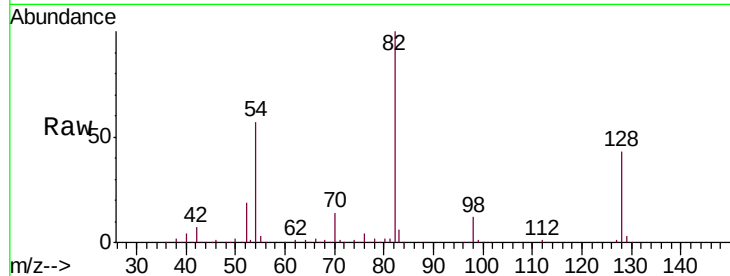
Tgt Ion: 82 Resp: 447168

Ion Ratio Lower Upper

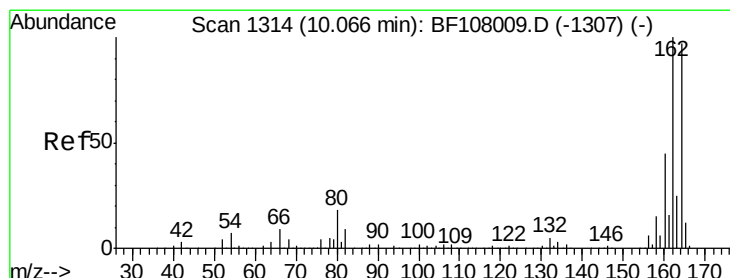
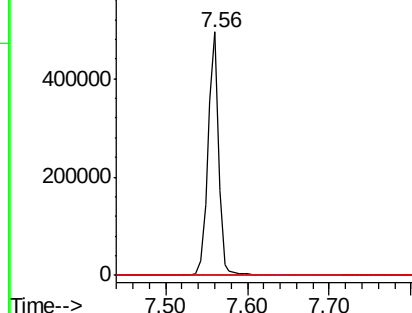
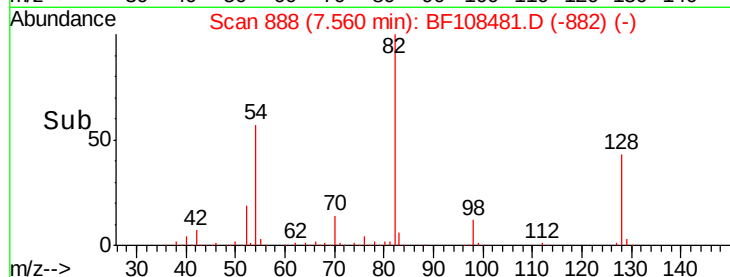
82 100

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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

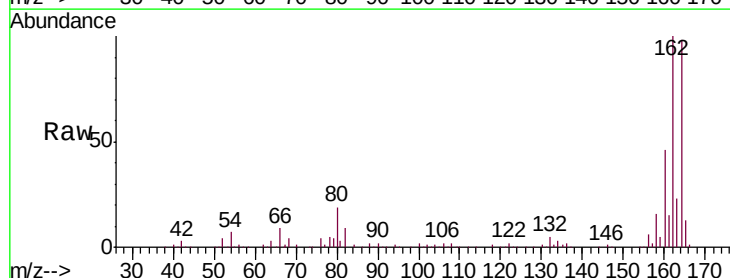
Tgt Ion: 164 Resp: 253562

Ion Ratio Lower Upper

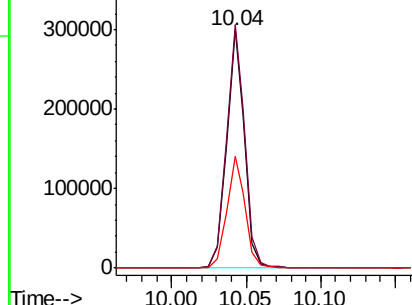
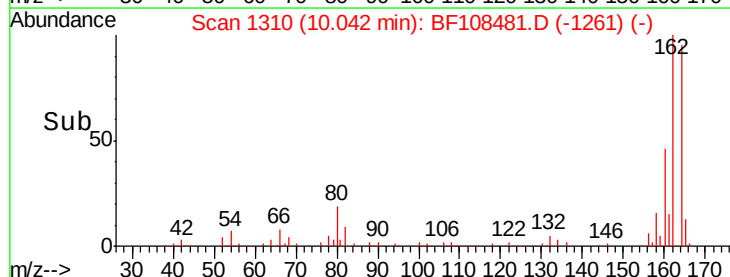
164 100

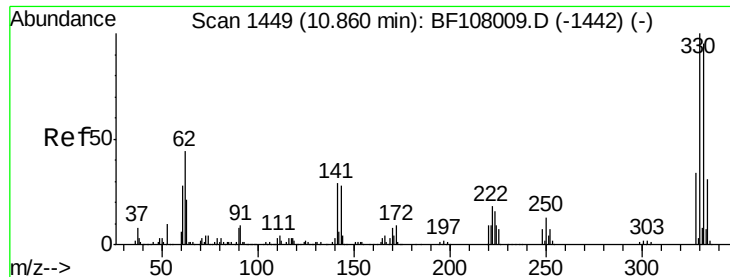
162 102.2 86.1 129.1

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

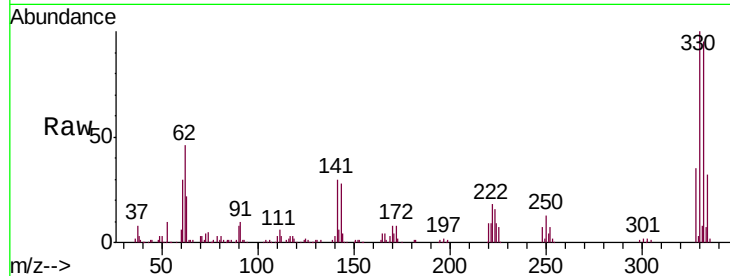




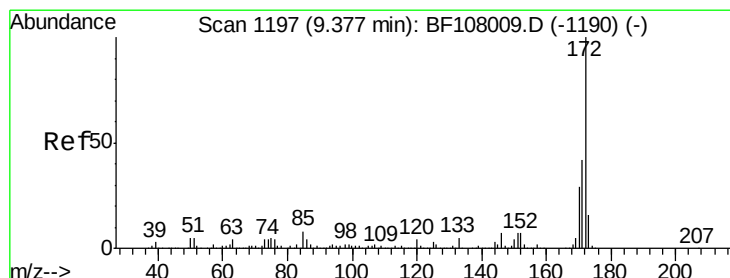
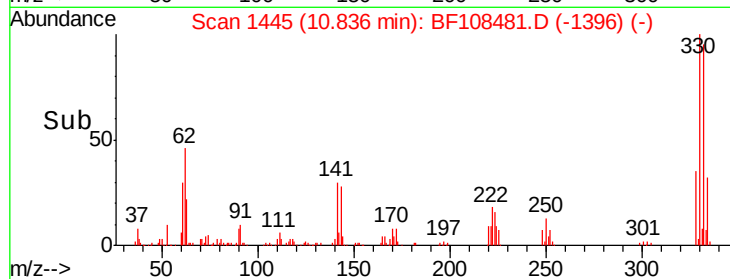
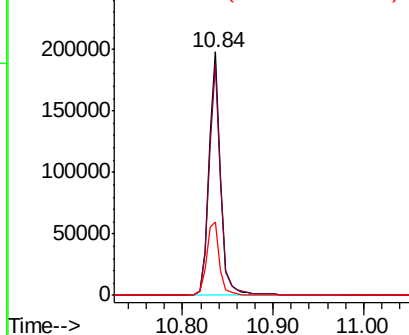
#41
 2,4,6-Tribromophenol
 Concen: 71.909 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108481.D
 Acq: 24 Aug 2018 23:23

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D3

Tgt Ion:330 Resp: 181874
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 33.3 29.9 44.9

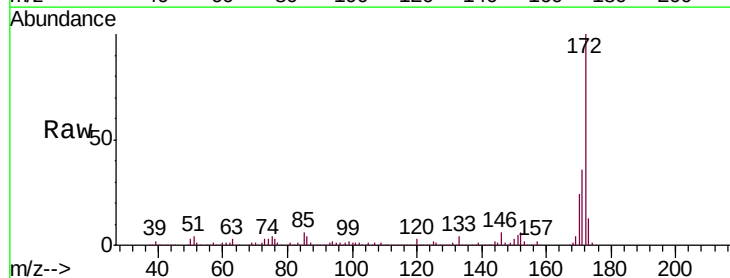


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

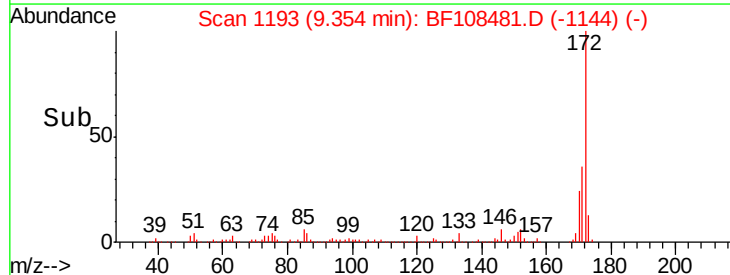
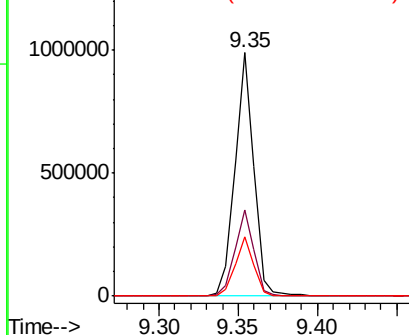


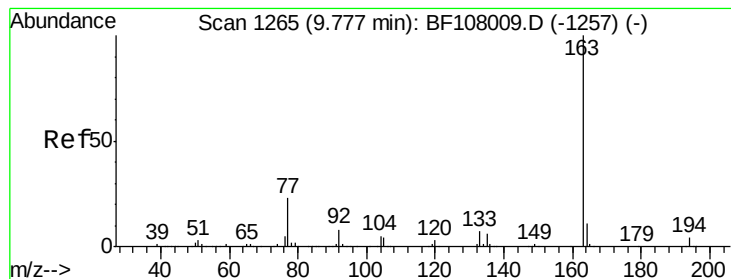
#44
 2-Fluorobiphenyl
 Concen: 51.895 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108481.D
 Acq: 24 Aug 2018 23:23

Tgt Ion:172 Resp: 819605
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 24.1 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: 18.991 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D3

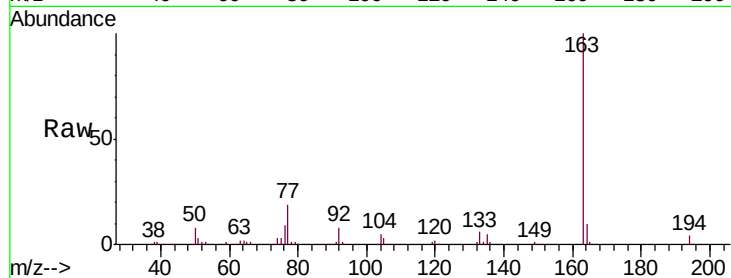
Tgt Ion:163 Resp: 335426

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

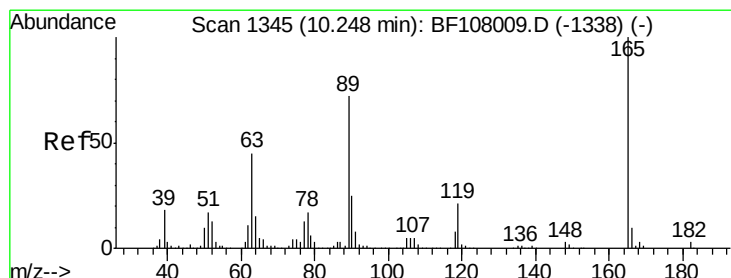
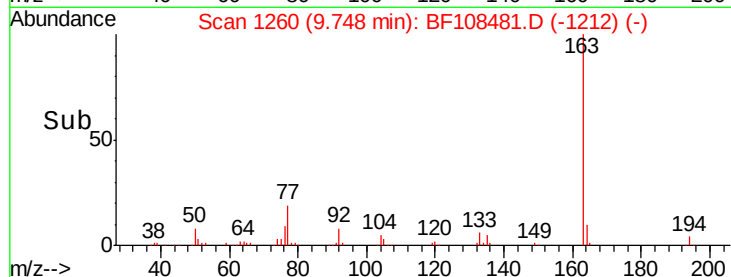
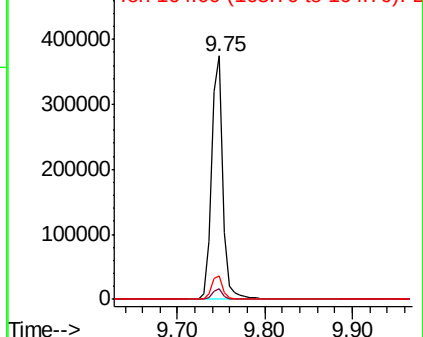
164 9.8 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.892 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.19 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

Tgt Ion:165 Resp: 32784

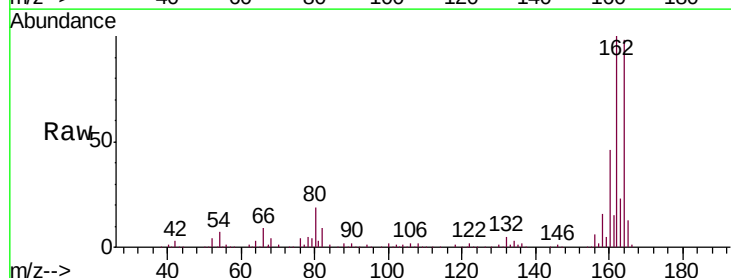
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

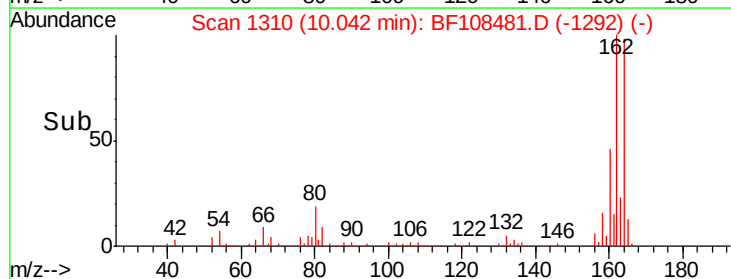
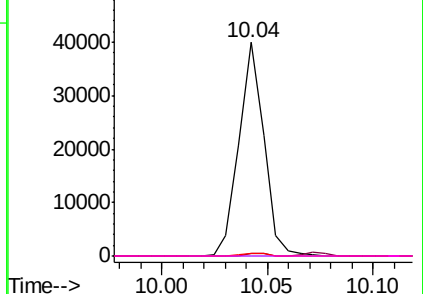


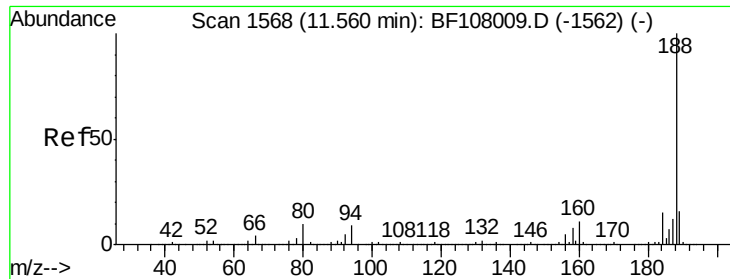
Abundance Ion 165.00 (164.70 to 165.70): E

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

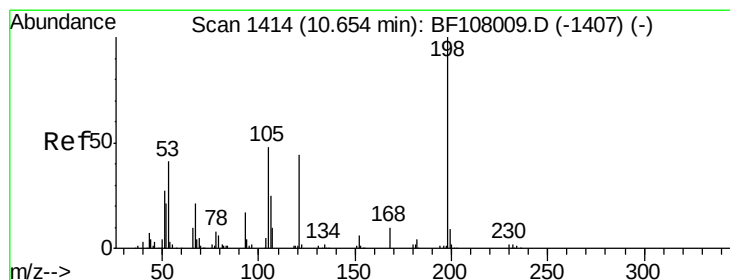
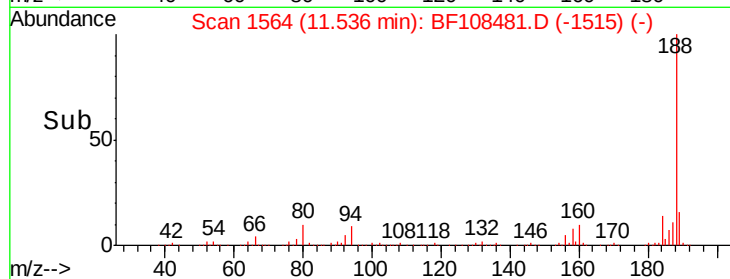
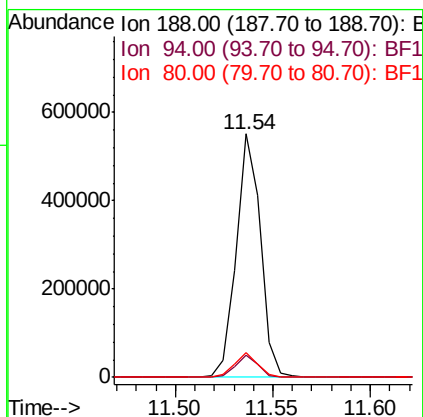
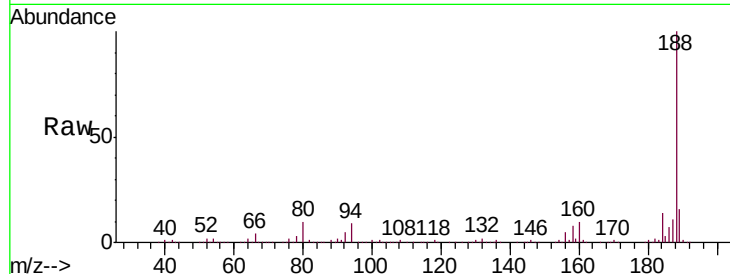




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108481.D
 Acq: 24 Aug 2018 23:23

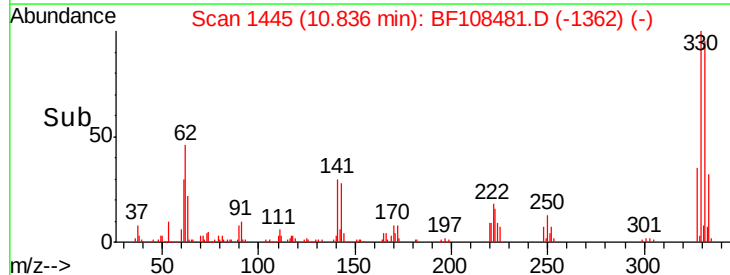
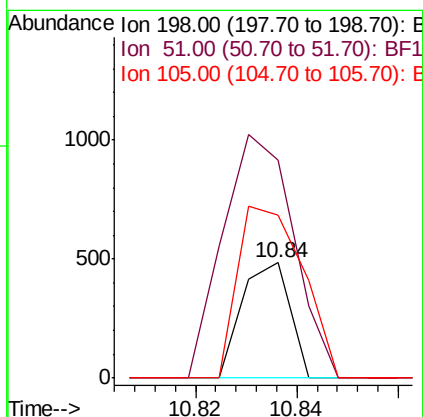
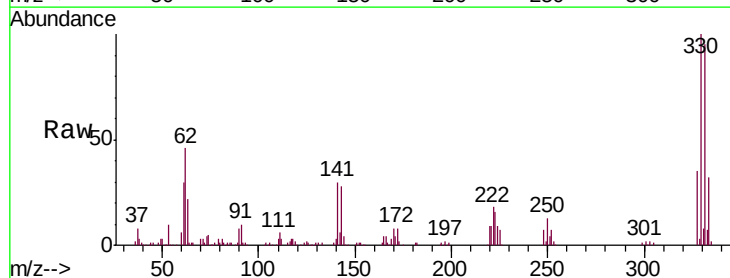
Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D3

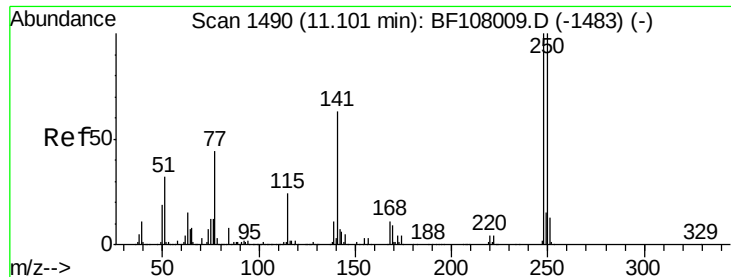
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	476281		
94	8.9		8.5	12.7
80	9.9		9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.517 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108481.D
 Acq: 24 Aug 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	318		
51	189.9		37.7	77.7#
105	142.2		36.3	76.3#

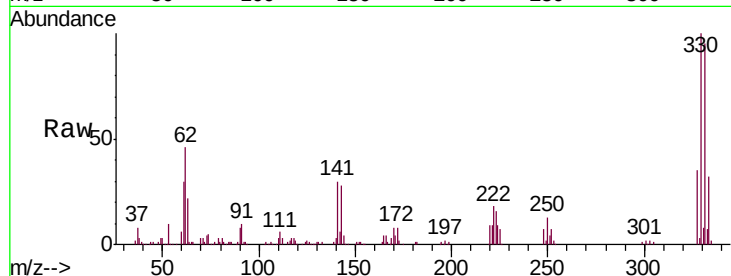




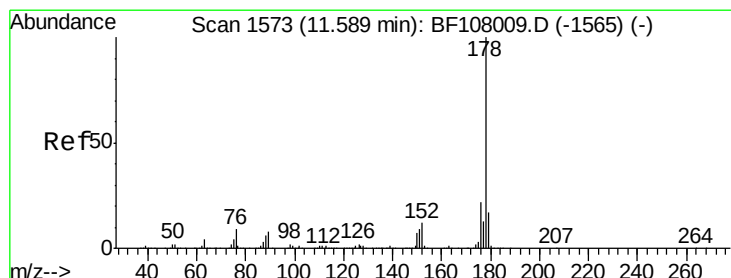
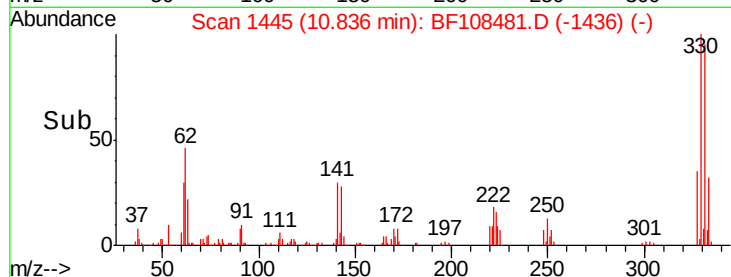
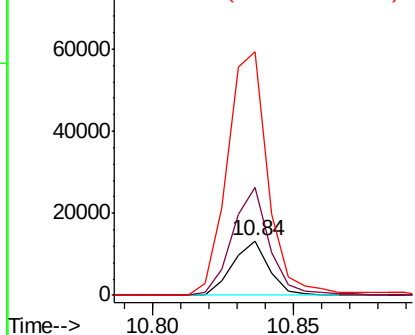
#66
 4-Bromophenyl-phenylether
 Concen: 2.292 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108481.D
 Acq: 24 Aug 2018 23:23

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D3

Tgt Ion: 248 Resp: 11863
 Ion Ratio Lower Upper
 248 100
 250 197.2 76.9 115.3#
 141 444.1 74.4 111.6#

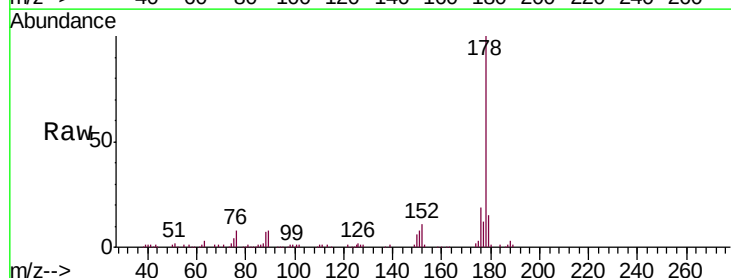


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

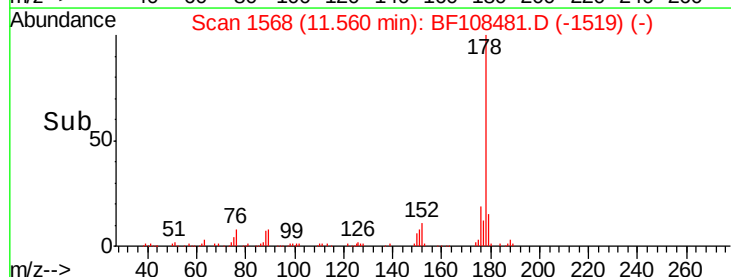
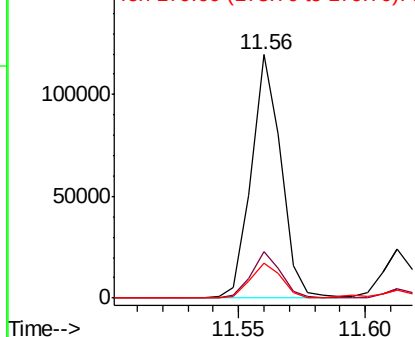


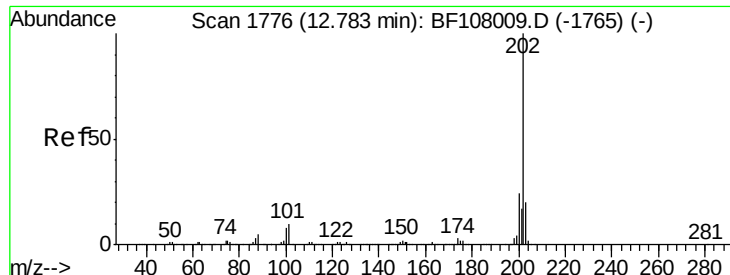
#70
 Phenanthrene
 Concen: 4.363 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108481.D
 Acq: 24 Aug 2018 23:23

Tgt Ion: 178 Resp: 98008
 Ion Ratio Lower Upper
 178 100
 176 18.9 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

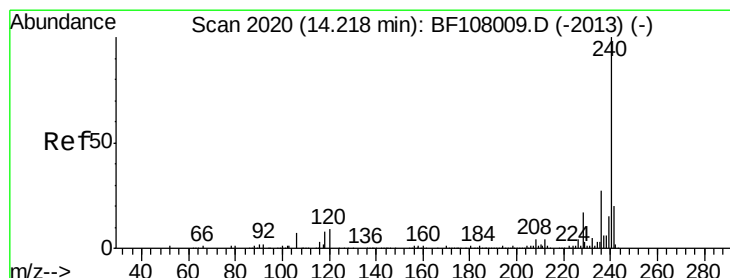
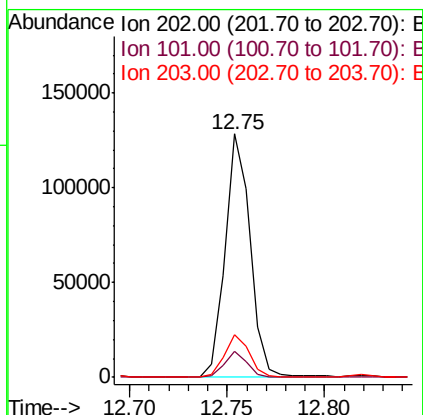
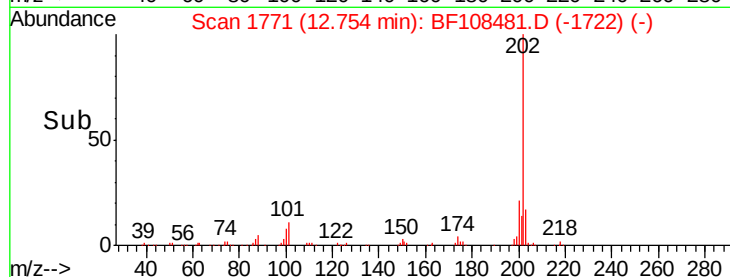
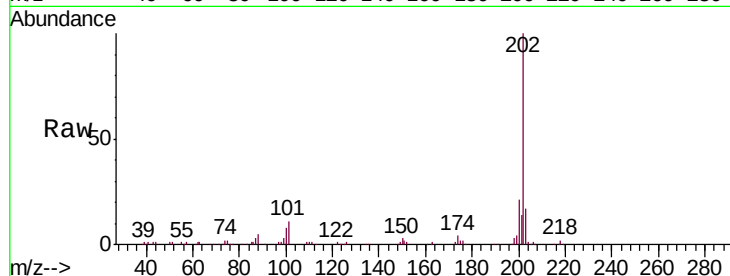




#74
 Fluoranthene
 Concen: 4.677 ng
 RT: 12.75 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF108481.D
 Acq: 24 Aug 2018 23:23

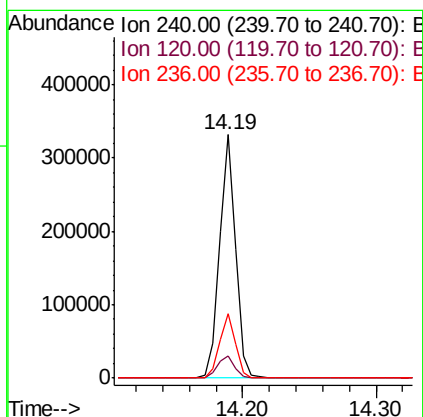
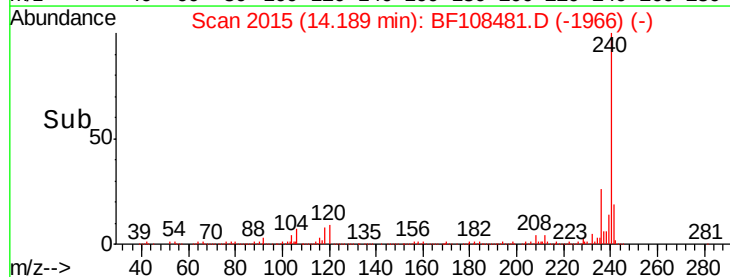
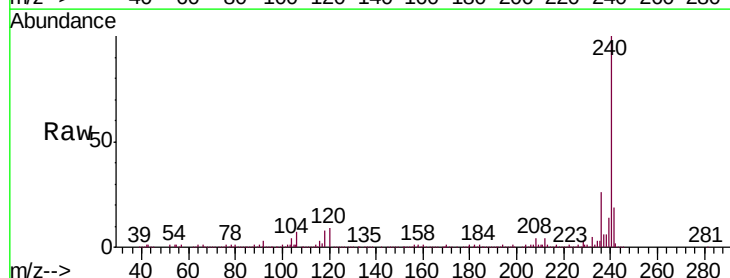
Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D3

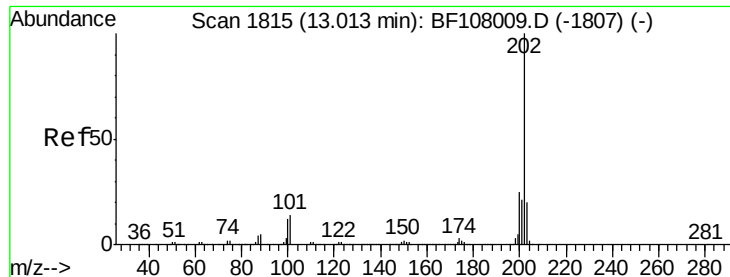
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108481.D
 Acq: 24 Aug 2018 23:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	26.3	20.7	31.1





#77

Pyrene

Concen: 6.077 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D3

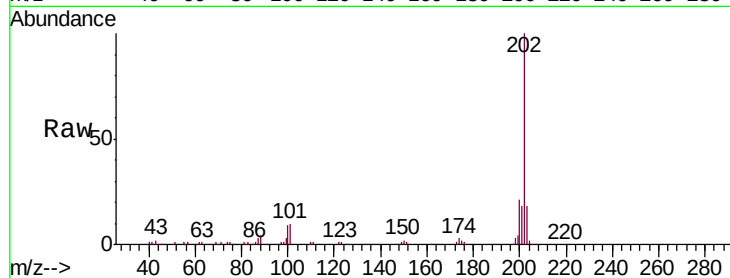
Tgt Ion: 202 Resp: 108458

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

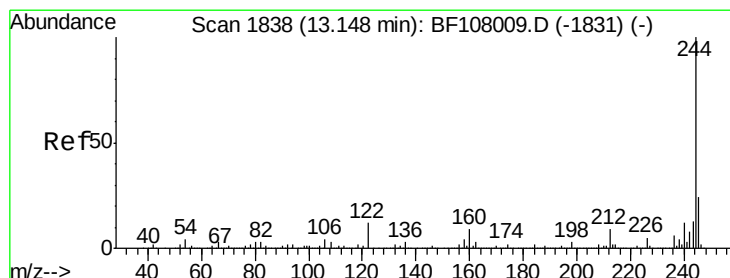
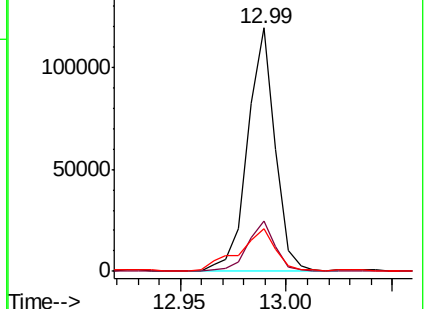
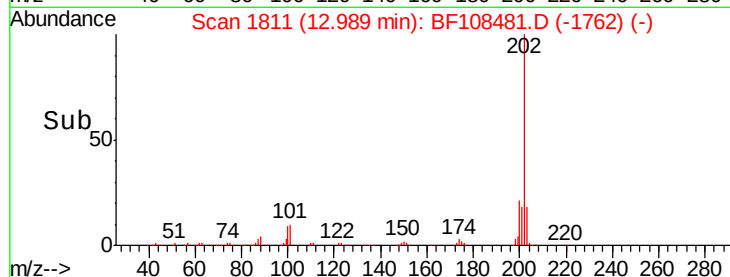
203 17.8 14.3 21.5



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: 64.918 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

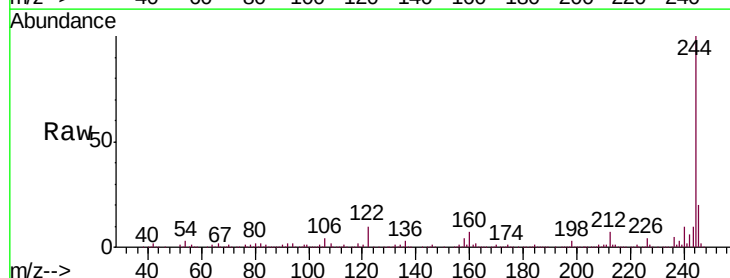
Tgt Ion: 244 Resp: 719725

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

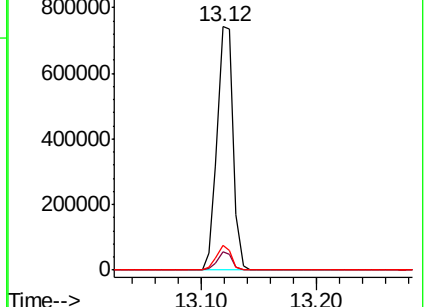
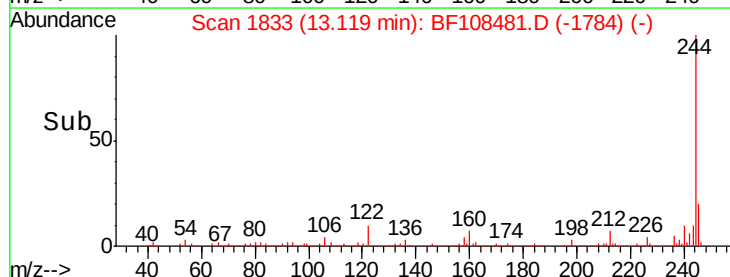
122 10.4 11.0 16.4#

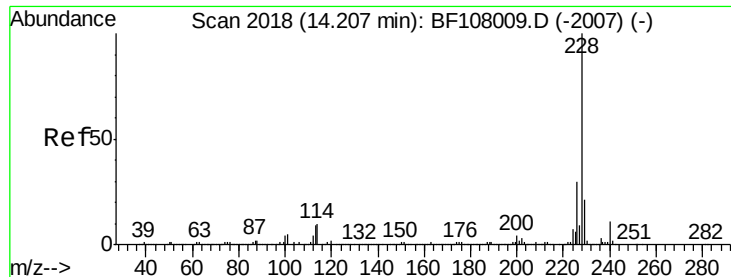


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.732 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

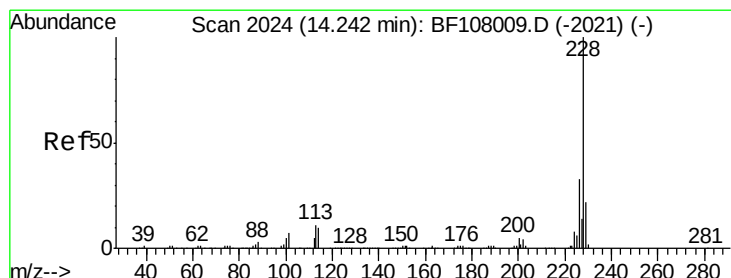
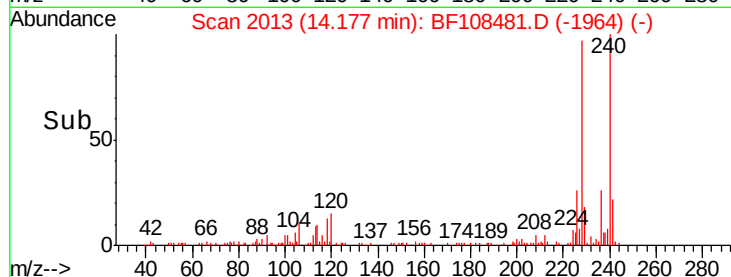
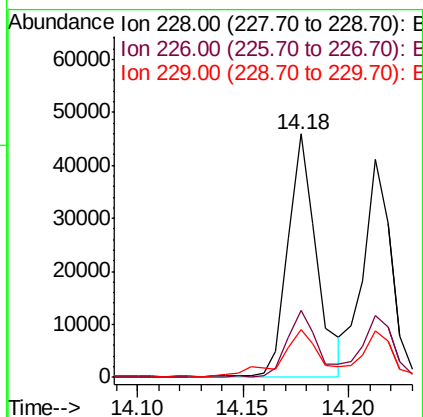
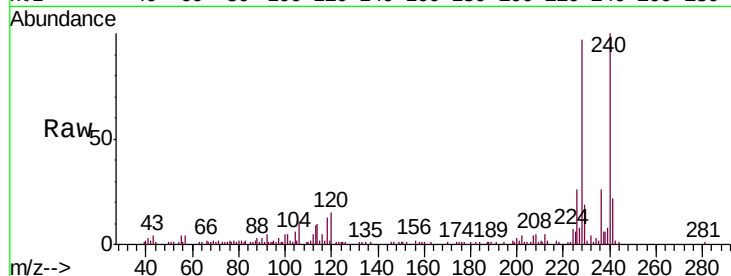
Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D3

Tgt Ion:	228	Resp:	44195
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	19.5	15.8	23.6



#82

Chrysene

Concen: 2.605 ng

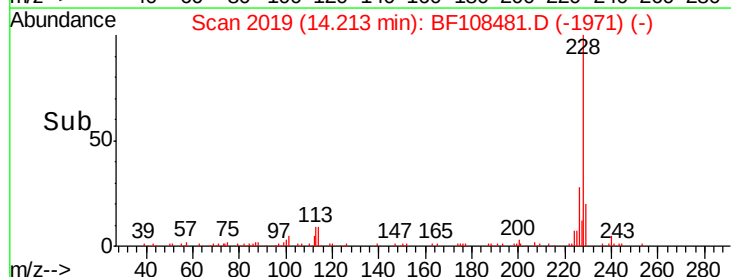
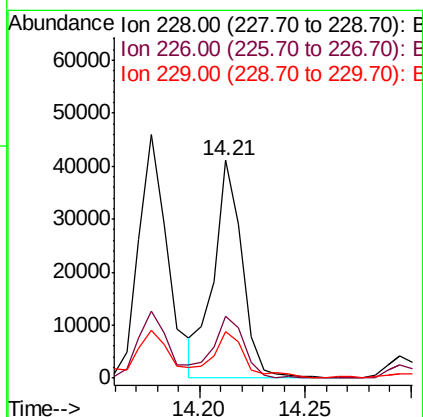
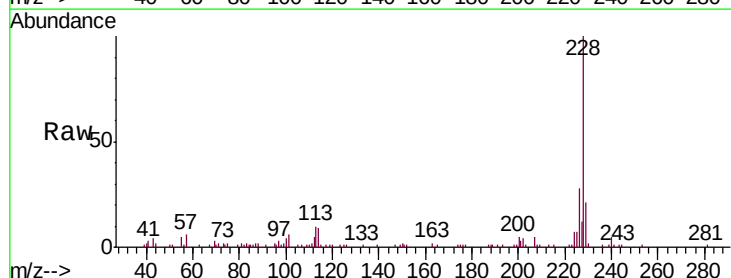
RT: 14.21 min Scan# 2019

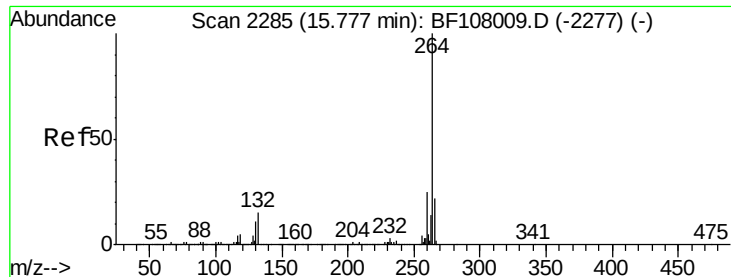
Delta R.T. -0.02 min

Lab File: BF108481.D

Acq: 24 Aug 2018 23:23

Tgt Ion:	228	Resp:	38637
Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.0	37.6
229	21.3	16.2	24.4



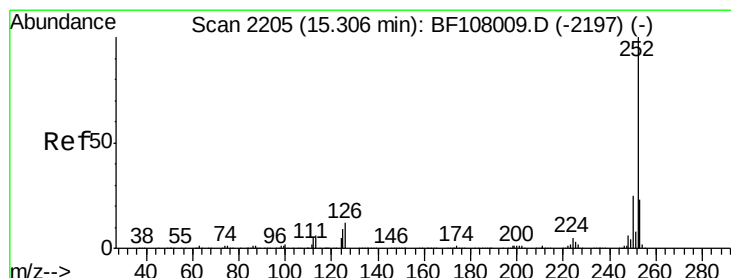
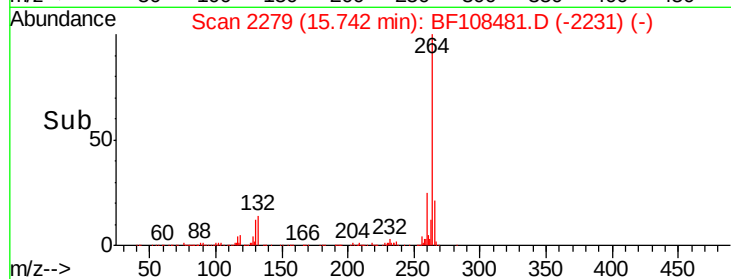
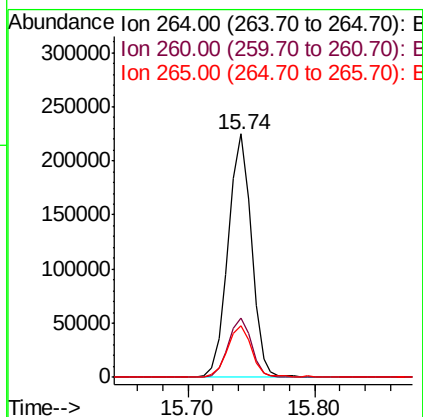
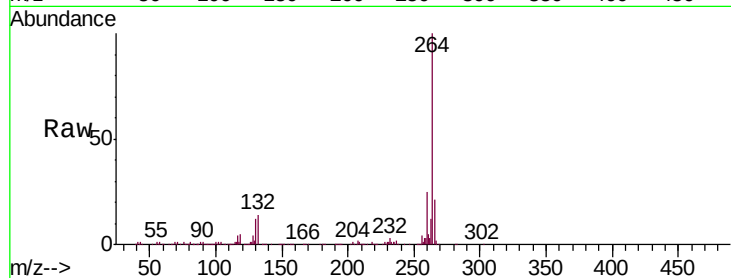


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF108481.D
Acq: 24 Aug 2018 23:23

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D3

Tgt Ion: 264 Resp: 285773

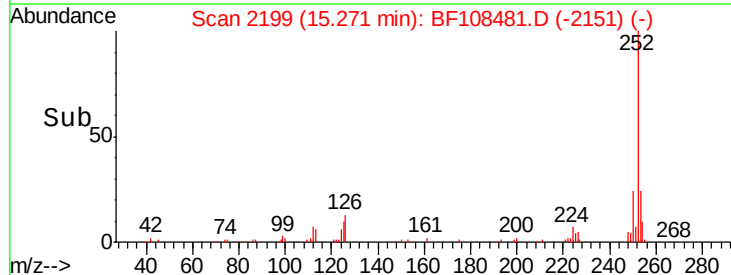
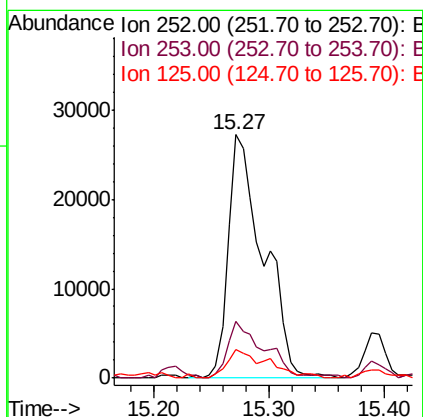
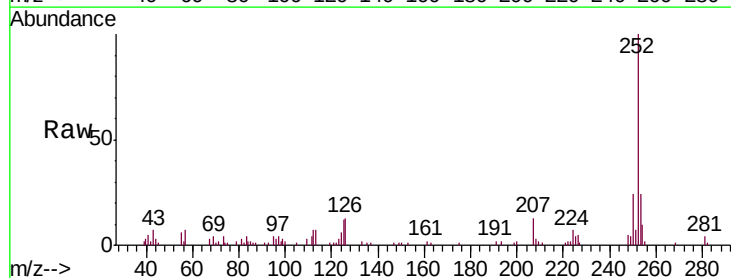
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.4	17.5	26.3

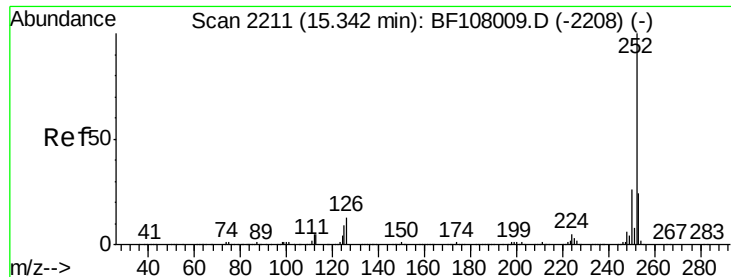


#87
Benzo(b)fluoranthene
Concen: 3.392 ng
RT: 15.27 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF108481.D
Acq: 24 Aug 2018 23:23

Tgt Ion: 252 Resp: 57915

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.6	9.0	13.6

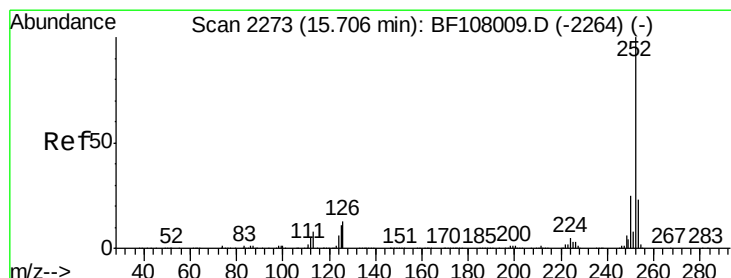
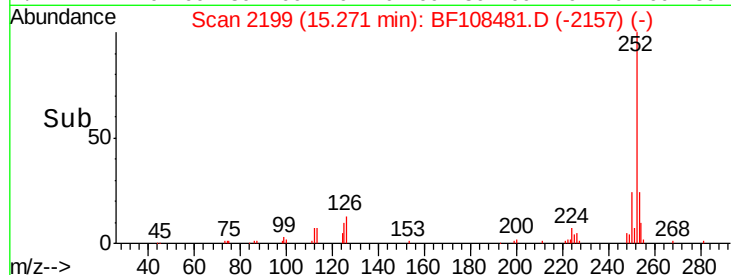
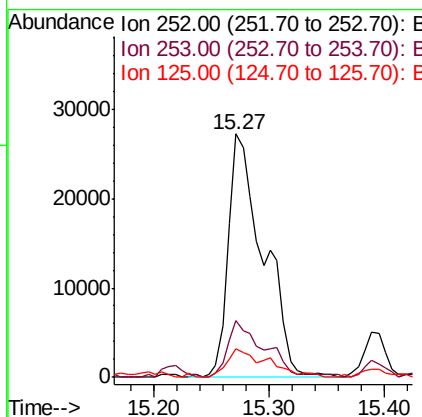
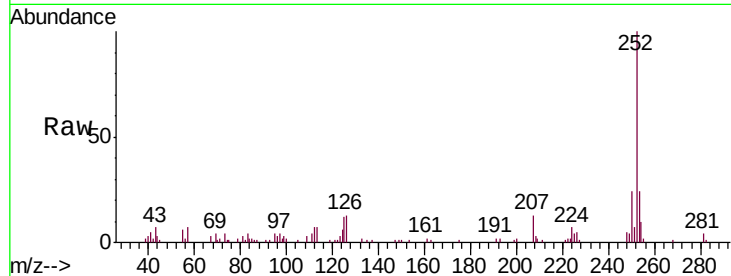




#88
Benzo(k)fluoranthene
Concen: 3.690 ng
RT: 15.27 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF108481.D
Acq: 24 Aug 2018 23:23

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	11.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.121 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF108481.D
Acq: 24 Aug 2018 23:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	10.6	9.8	14.6

