

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
 Data File : BF108482.D
 Acq On : 24 Aug 2018 23:51
 Operator : JU/SJ
 Sample : J4581-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D4

Quant Time: Aug 25 02:09:20 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	132635	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	485078	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	225230	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	375320	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	253669	20.00	ng	0.00
86) Perylene-d12	15.75	264	246962	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	764067	104.29	ng	0.00
7) Phenol-d6	6.62	99	1029396	105.74	ng	0.00
23) Nitrobenzene-d5	7.56	82	690647	79.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	243258	108.28	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1200015	85.54	ng	-0.01
78) Terphenyl-d14	13.12	244	889300	89.14	ng	0.00

Target Compounds

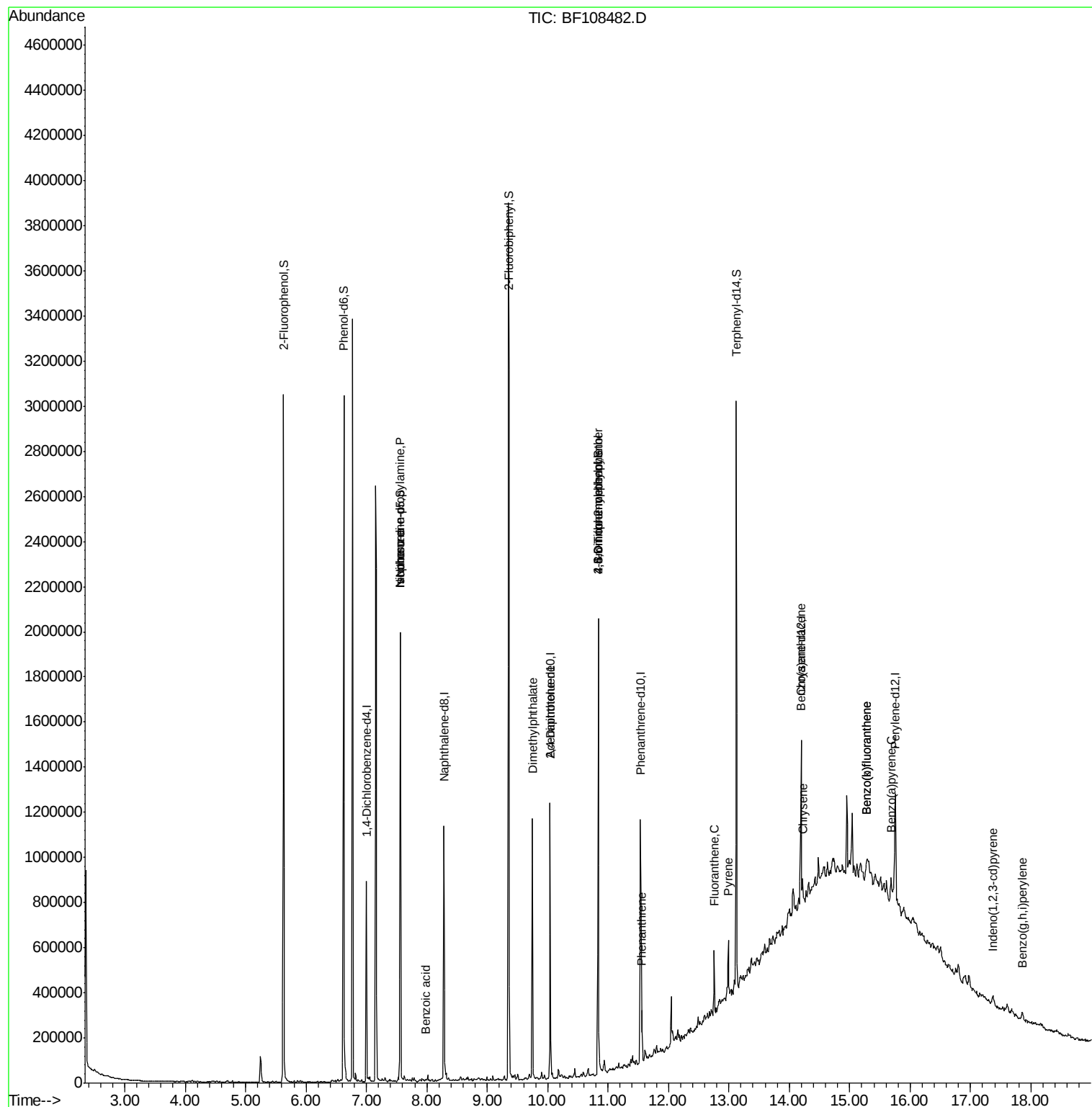
						Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	93639	14.224	ng	# 85
25) Isophorone	7.56	82	690641	41.683	ng	# 64
32) Benzoic acid	7.98	122	254	6.027	ng	# 1
49) Dimethylphthalate	9.75	163	446952	28.488	ng	# 98
56) 2,4-Dinitrotoluene	10.04	165	29317	6.939	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	497	5.672	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	15764	3.865	ng	# 1
70) Phenanthrene	11.56	178	72651	4.104	ng	99
74) Fluoranthene	12.76	202	114140	5.908	ng	94
77) Pyrene	12.99	202	103751	6.460	ng	98
80) Benzo(a)anthracene	14.18	228	44158	3.033	ng	# 95
82) Chrysene	14.22	228	40764	3.054	ng	97
85) Indeno(1,2,3-cd)pyrene	17.37	276	24906	2.154	ng	# 86
87) Benzo(b)fluoranthene	15.28	252	72993	4.946	ng	# 81
88) Benzo(k)fluoranthene	15.28	252	72993	5.381	ng	# 84
89) Benzo(a)pyrene	15.68	252	37392	2.830	ng	# 79
91) Benzo(g,h,i)perylene	17.86	276	34399	3.195	ng	# 90

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

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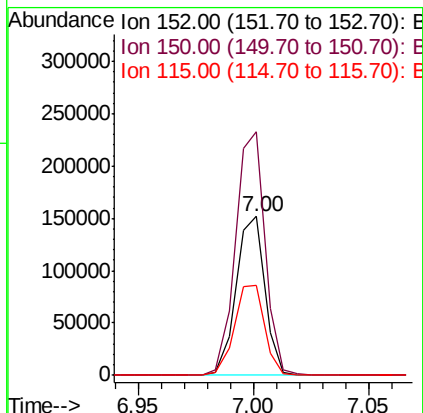
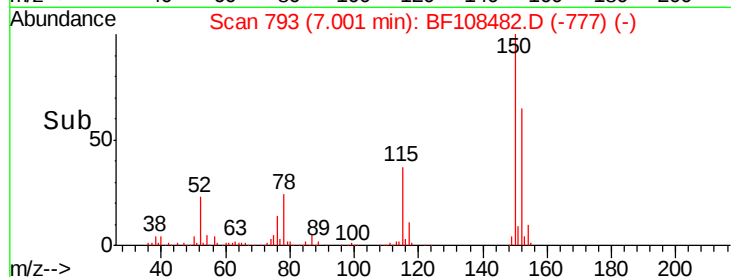
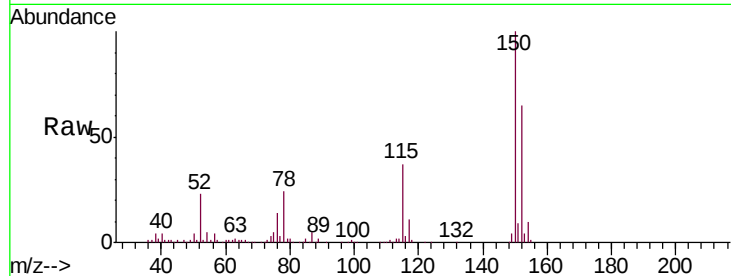


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

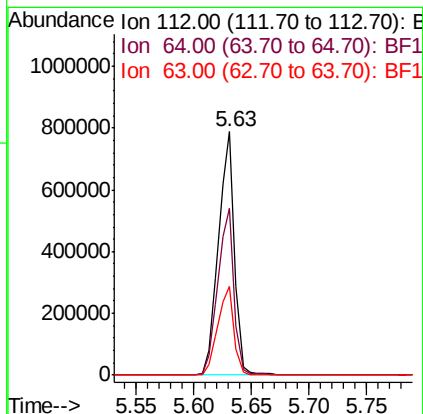
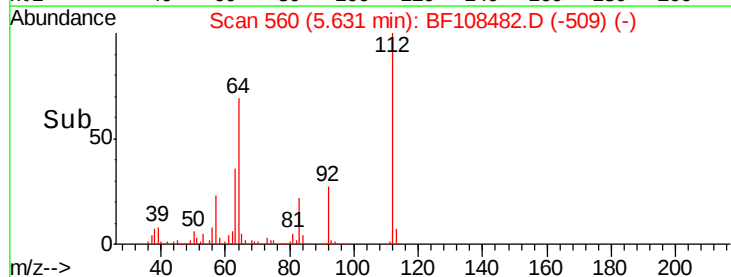
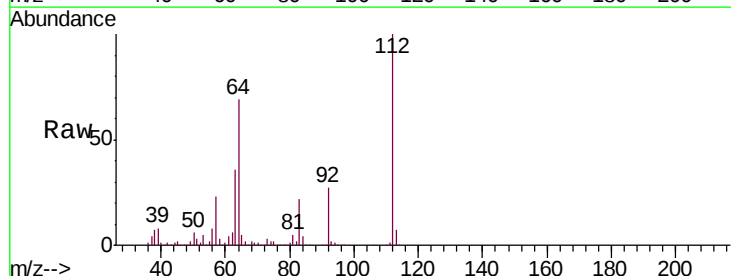
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	56.6	50.1	75.1



#5

2-Fluorophenol
Concen: 104.294 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	47.9	71.9
63	36.3	23.7	35.5#





#7

Phenol-d6

Concen: 105.738 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D4

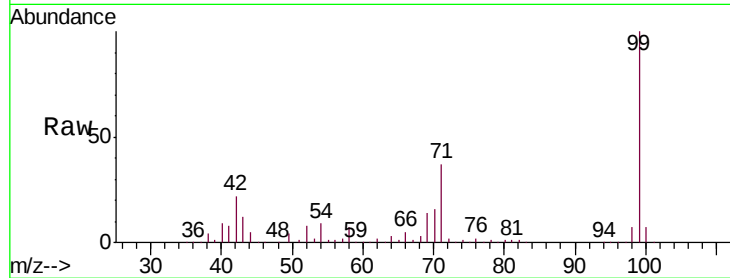
Tgt Ion: 99 Resp: 1029396

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

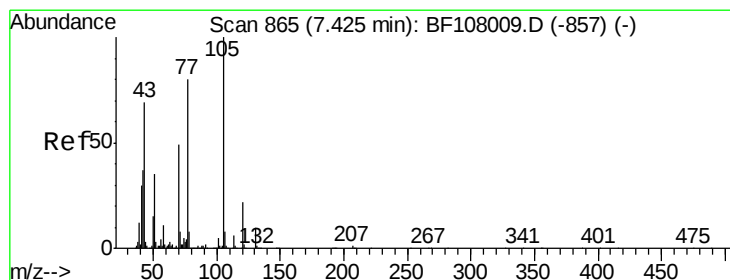
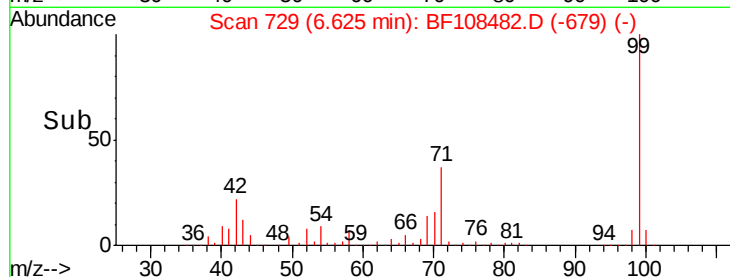
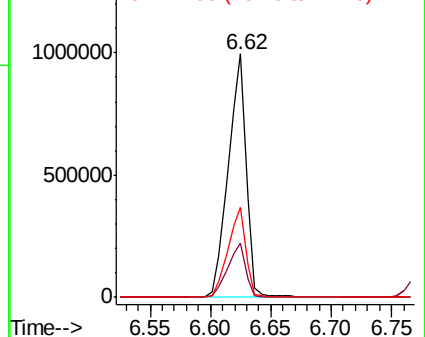
71 37.1 25.4 38.0



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: 14.224 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Tgt Ion: 70 Resp: 93639

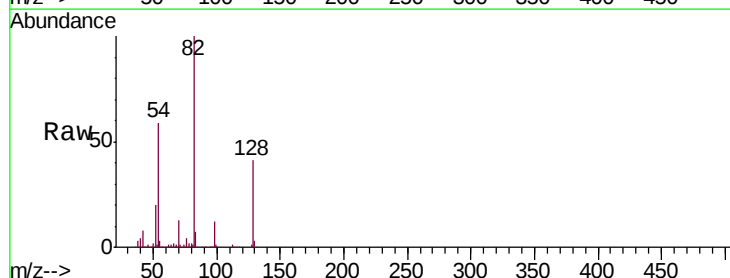
Ion Ratio Lower Upper

70 100

42 56.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

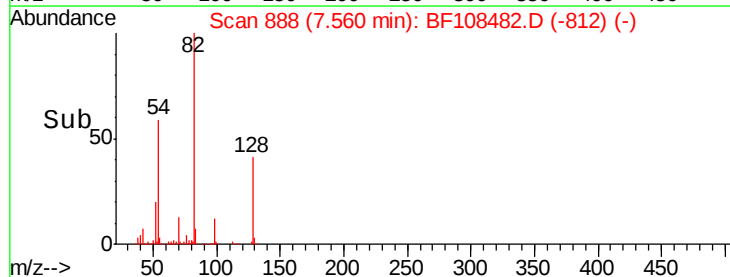
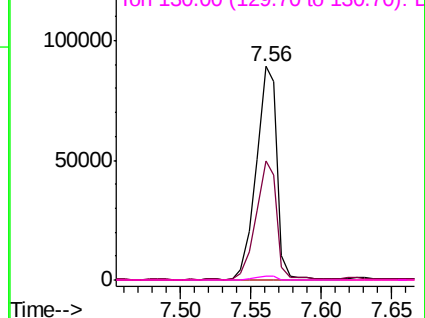


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

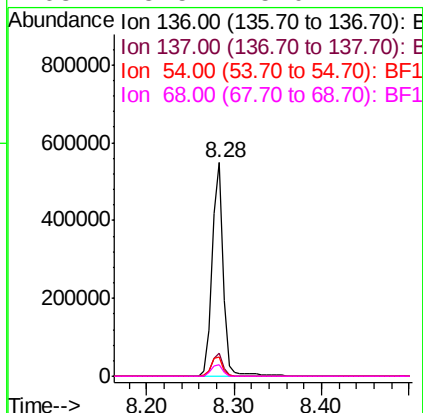
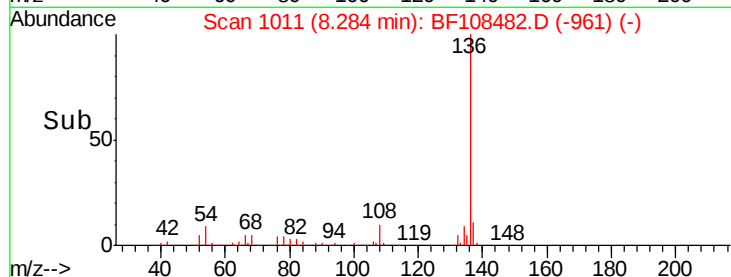
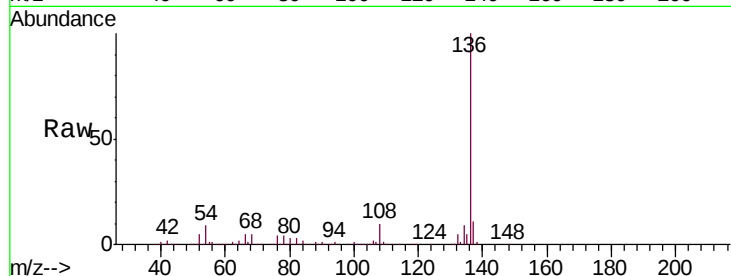




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

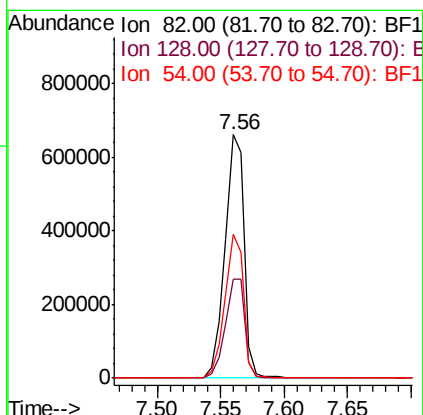
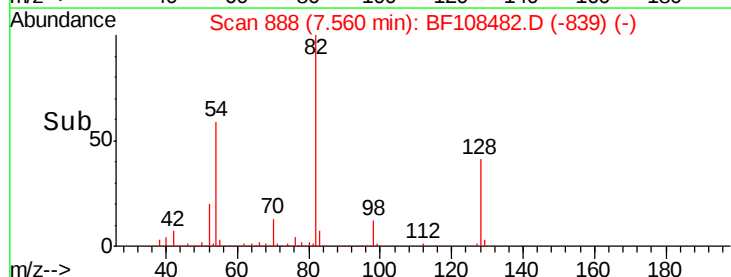
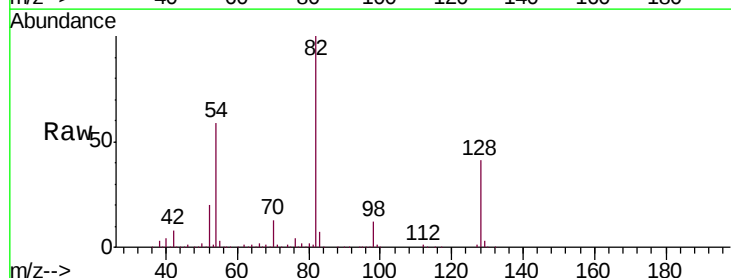
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

Tgt Ion:	136	Resp:	485078
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.1	6.6	9.8
68	5.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 79.449 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion:	82	Resp:	690647
Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	59.0	41.4	62.2

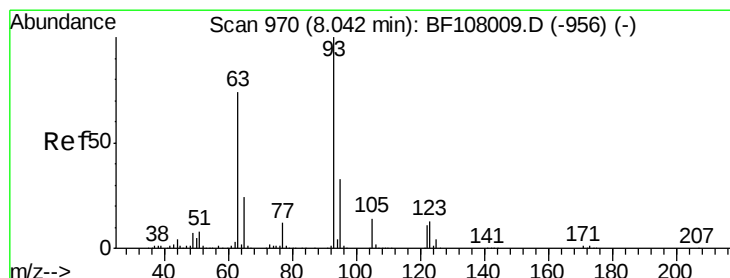
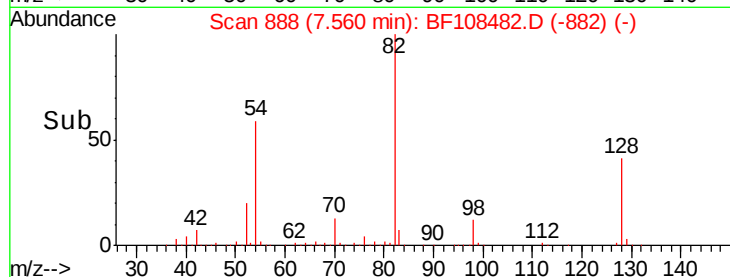
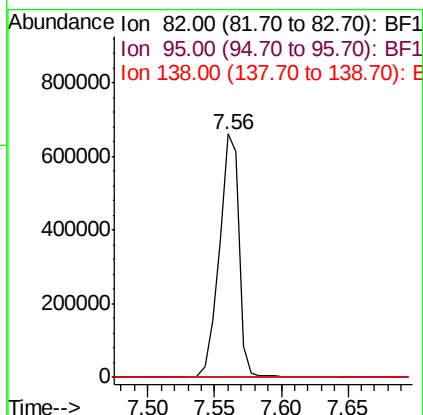
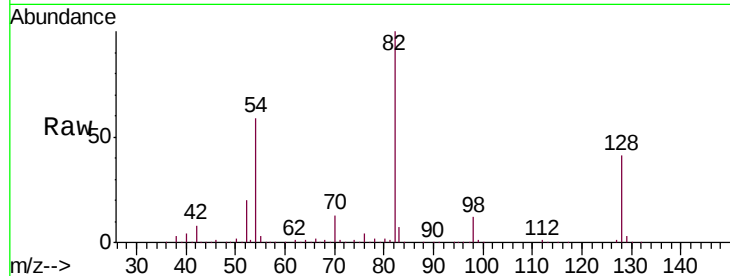




#25
Isophorone
Concen: 41.683 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

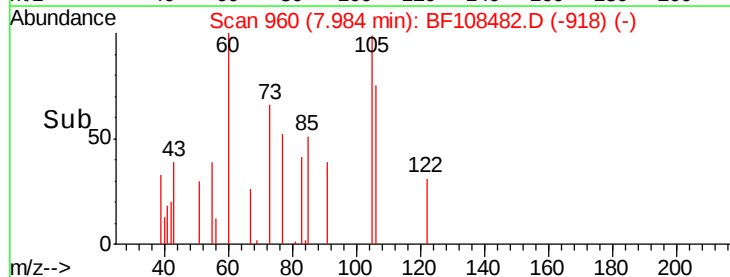
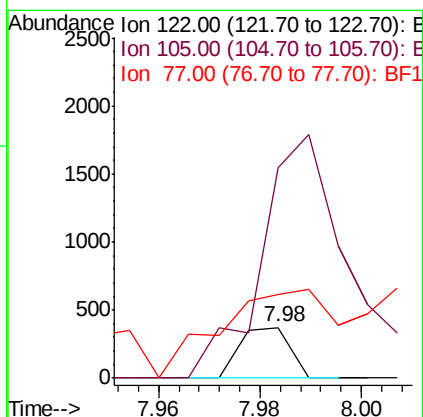
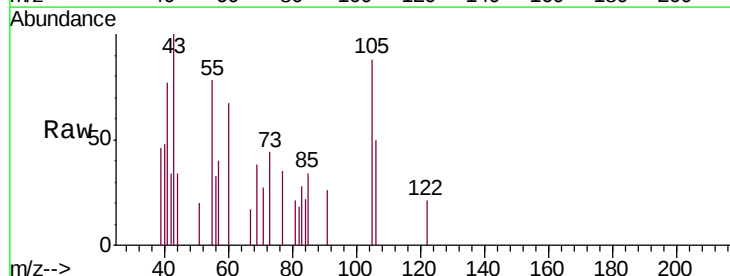
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

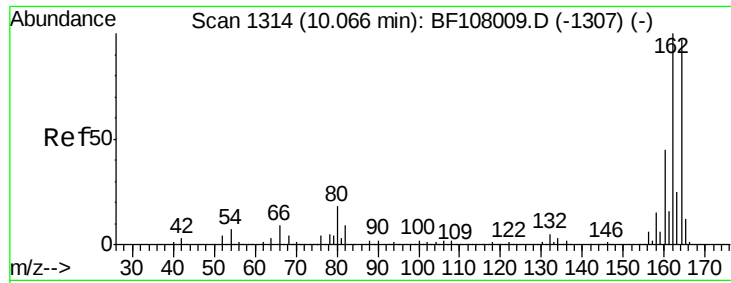
Tgt Ion: 82 Resp: 690641
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#32
Benzoic acid
Concen: 6.027 ng
RT: 7.98 min Scan# 960
Delta R.T. -0.05 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion: 122 Resp: 254
Ion Ratio Lower Upper
122 100
105 415.9 101.1 141.1#
77 165.0 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D4

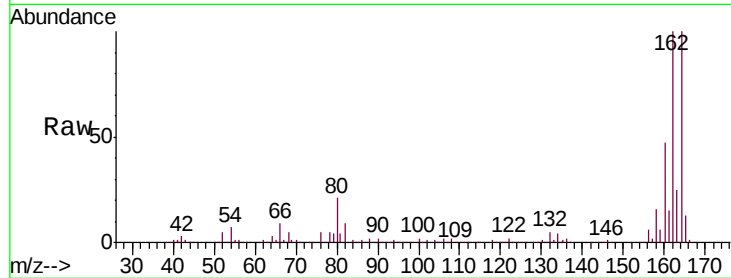
Tgt Ion:164 Resp: 225230

Ion Ratio Lower Upper

164 100

162 99.9 86.1 129.1

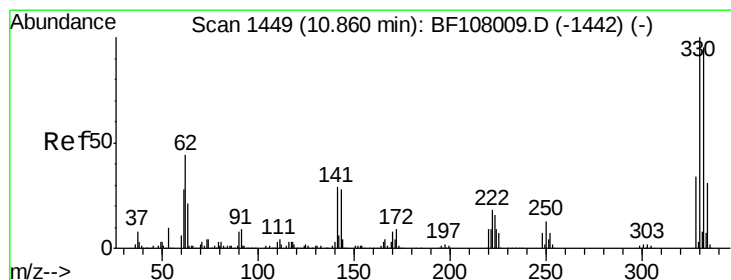
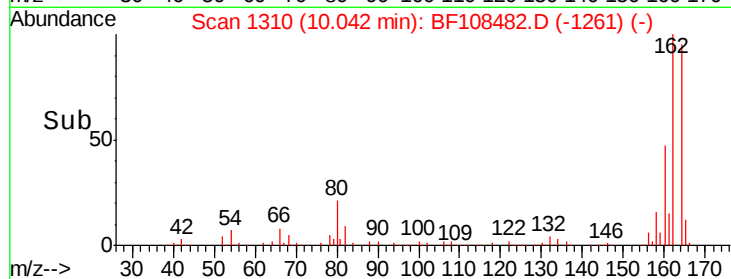
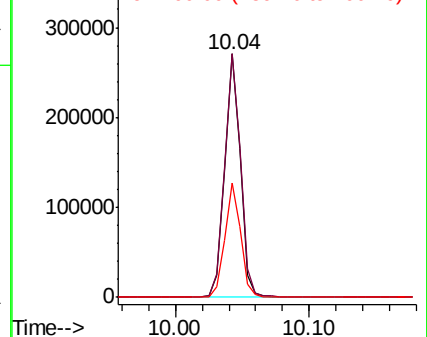
160 46.9 38.3 57.5



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: 108.278 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

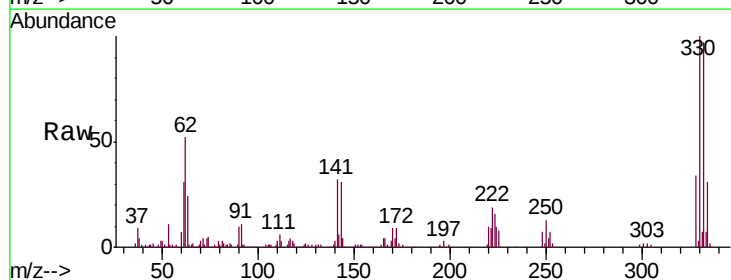
Tgt Ion:330 Resp: 243258

Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.6

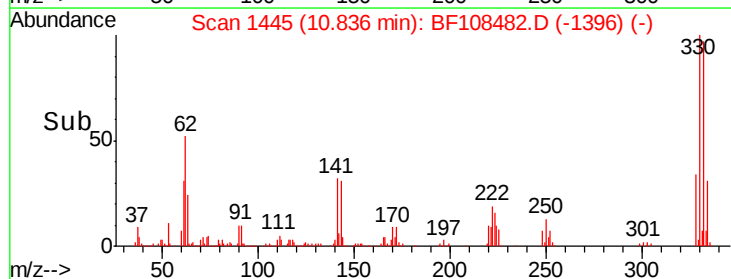
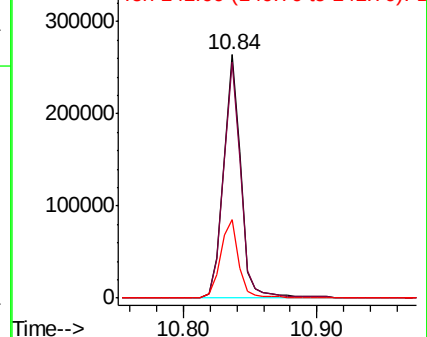
141 34.4 29.9 44.9

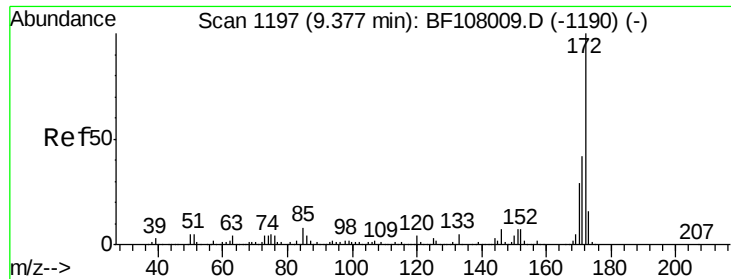


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

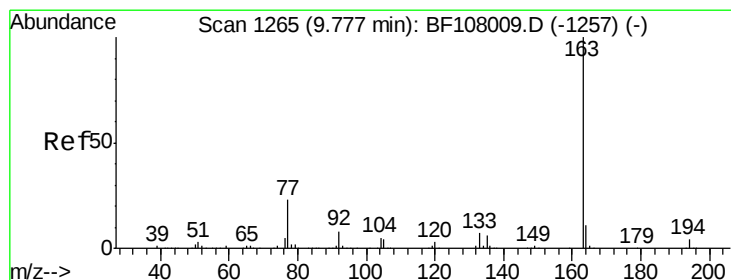
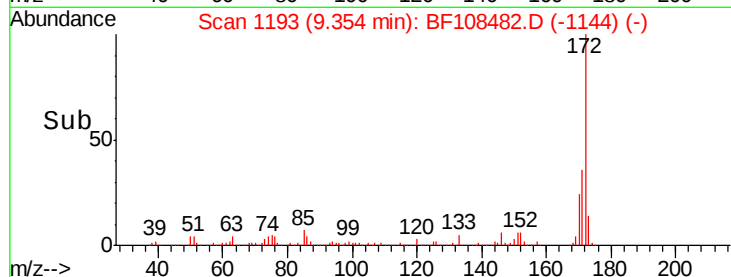
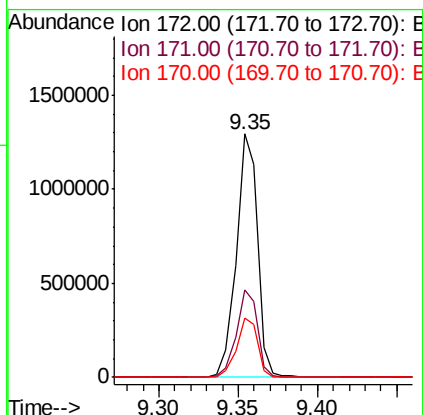
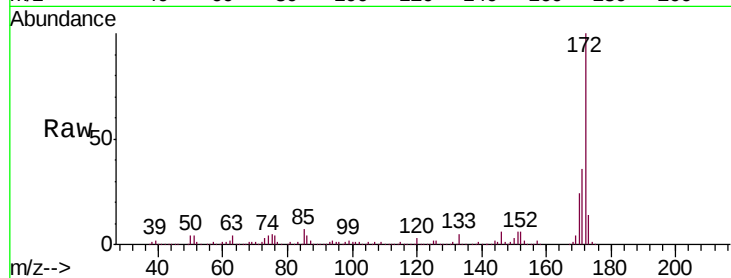




#44
2-Fluorobiphenyl
Concen: 85.539 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

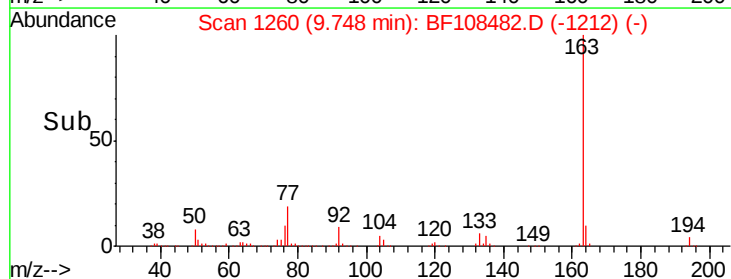
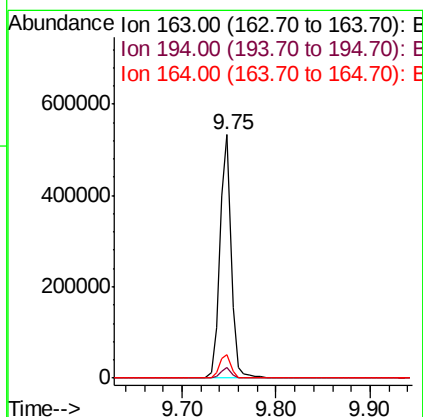
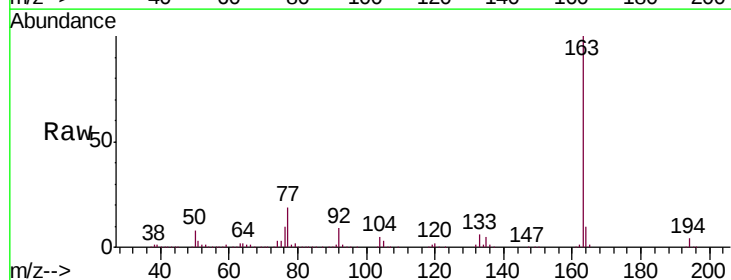
Instrument :
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EP1-Q3-D4

Tgt Ion:172 Resp: 1200015
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.1 19.6 29.4



#49
Dimethylphthalate
Concen: 28.488 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion:163 Resp: 446952
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.7 8.2 12.2

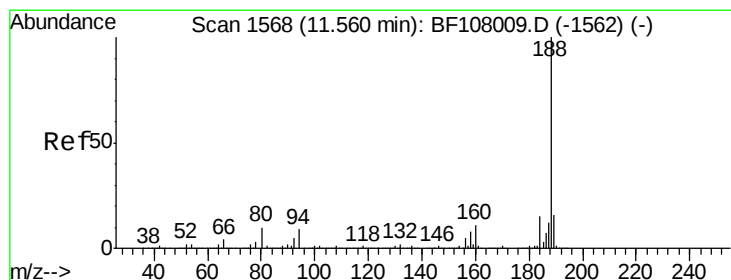
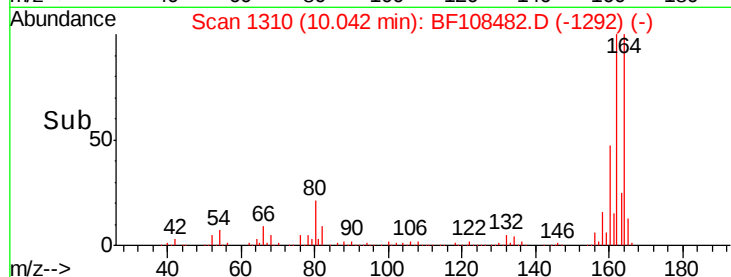
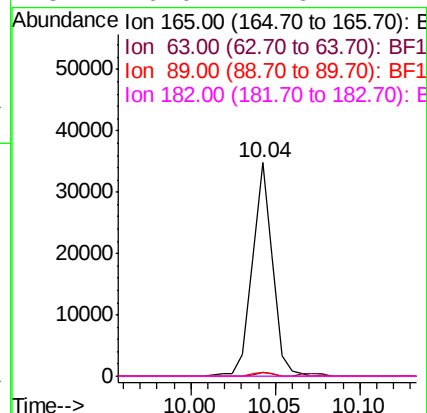
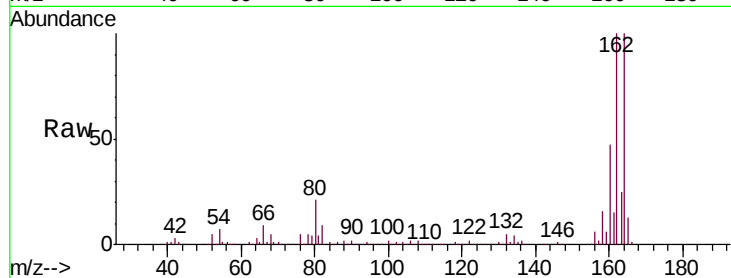




#56
2,4-Dinitrotoluene
Concen: 6.939 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

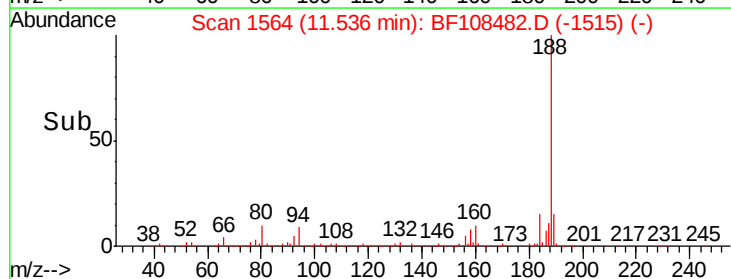
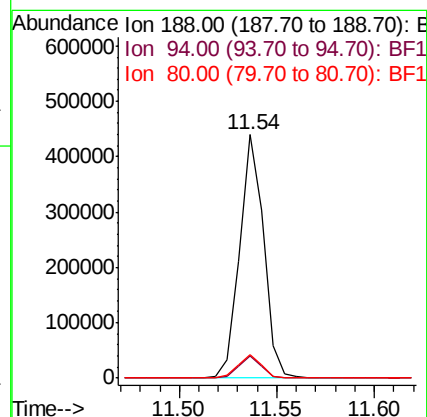
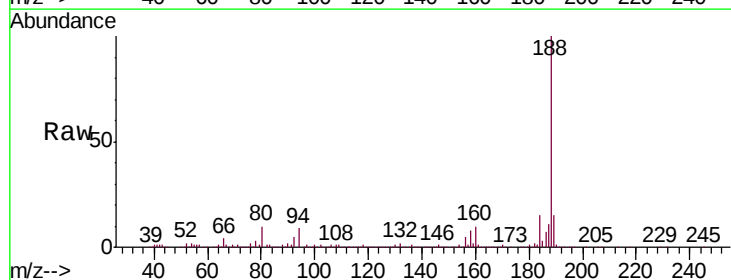
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

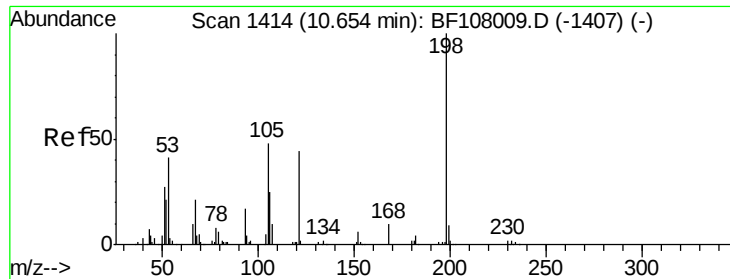
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.8	9.2	13.8

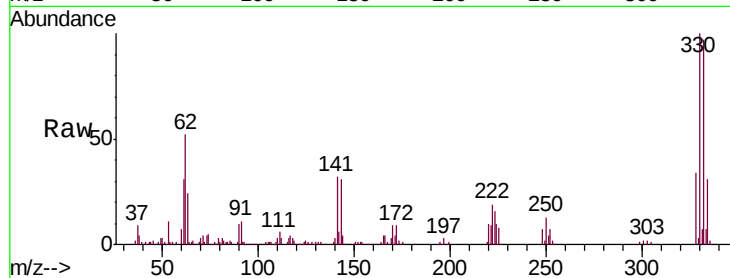




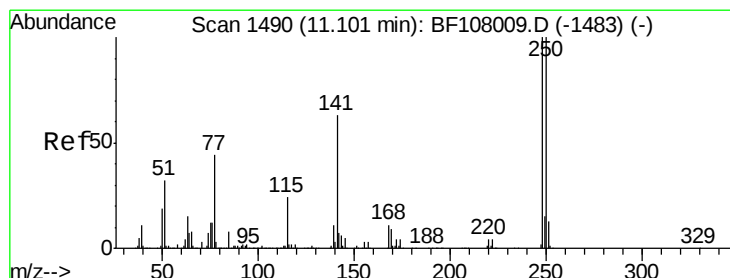
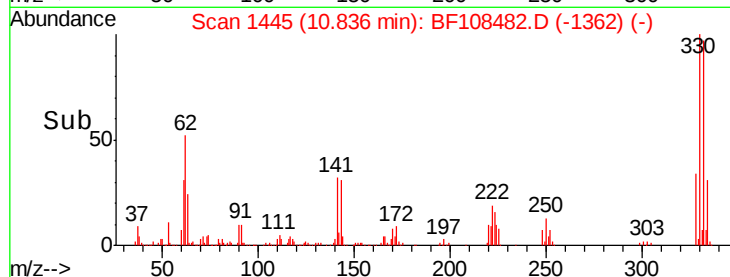
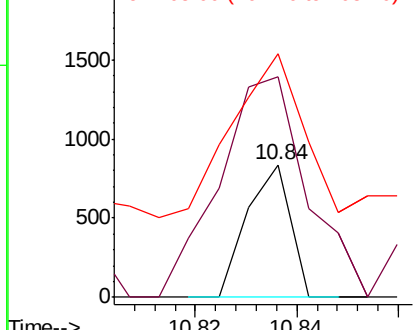
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.672 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108482.D
 Acq: 24 Aug 2018 23:51

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-D4

Tgt Ion:198 Resp: 497
 Ion Ratio Lower Upper
 198 100
 51 166.2 37.7 77.7#
 105 183.8 36.3 76.3#

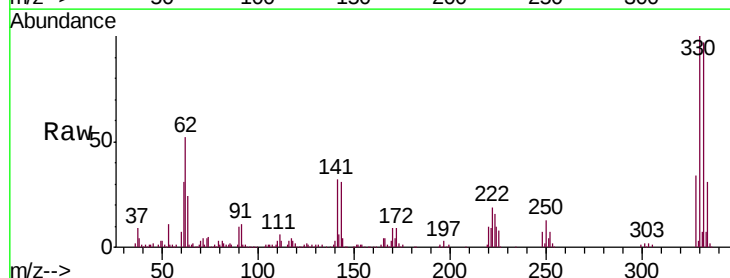


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

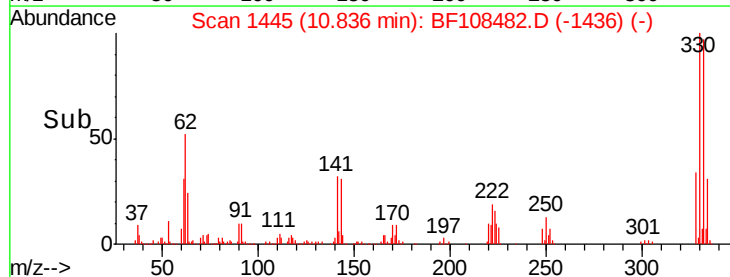
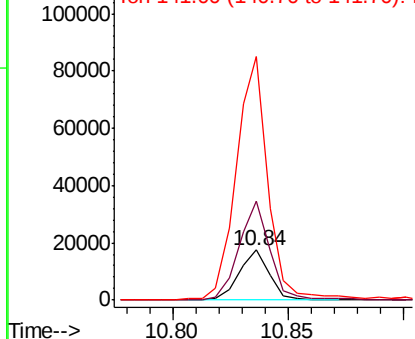


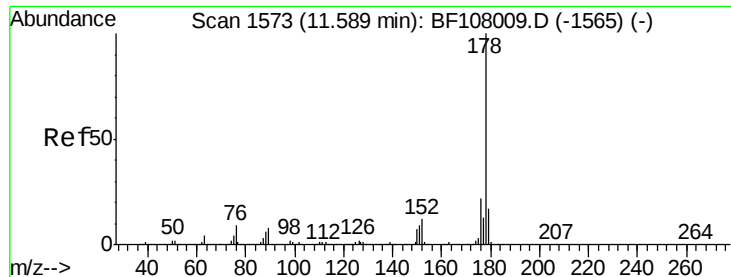
#66
 4-Bromophenyl-phenylether
 Concen: 3.865 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108482.D
 Acq: 24 Aug 2018 23:51

Tgt Ion:248 Resp: 15764
 Ion Ratio Lower Upper
 248 100
 250 198.0 76.9 115.3#
 141 489.4 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: 4.104 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D4

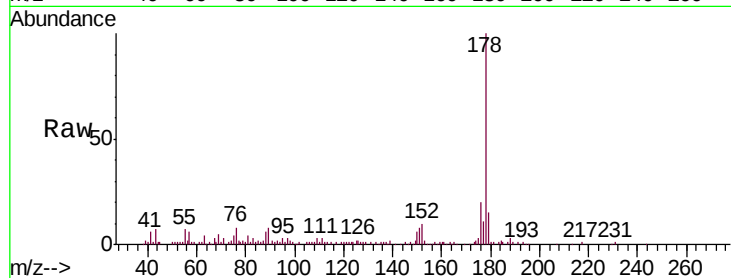
Tgt Ion:178 Resp: 72651

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

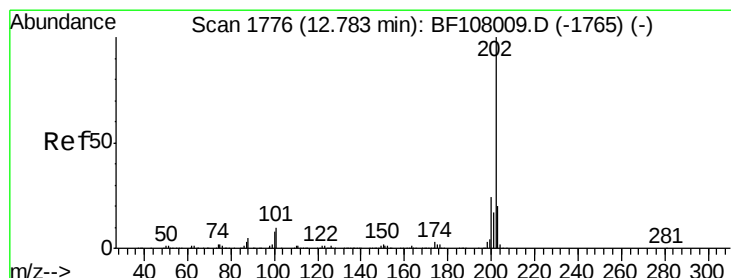
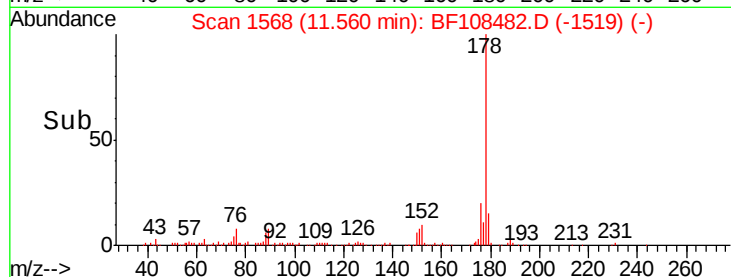
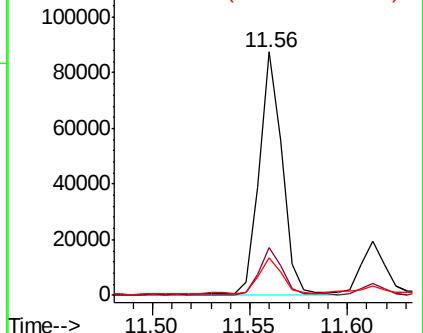
179 15.2 13.0 19.6



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: 5.908 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

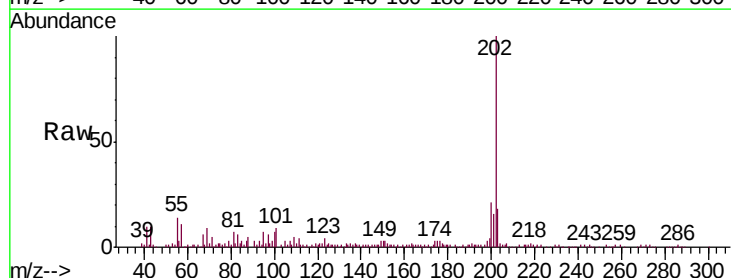
Tgt Ion:202 Resp: 114140

Ion Ratio Lower Upper

202 100

101 8.8 0.0 34.1

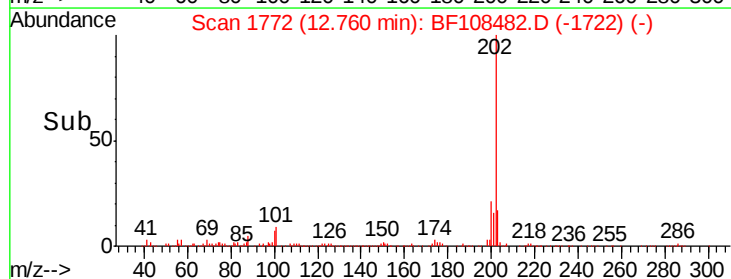
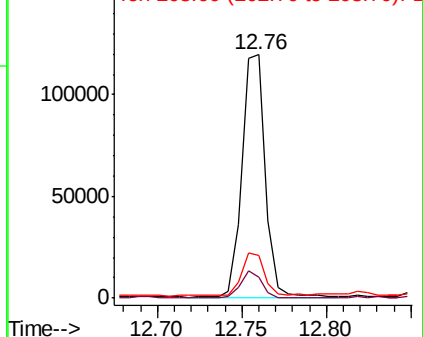
203 17.6 0.0 38.1

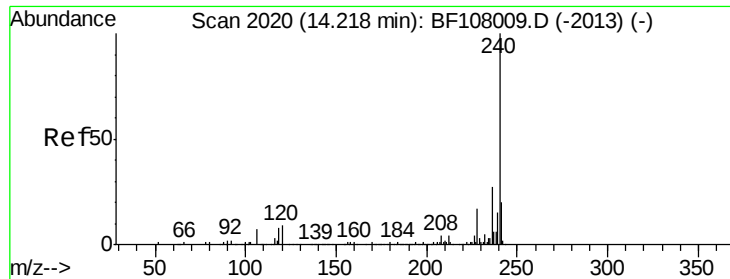


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D4

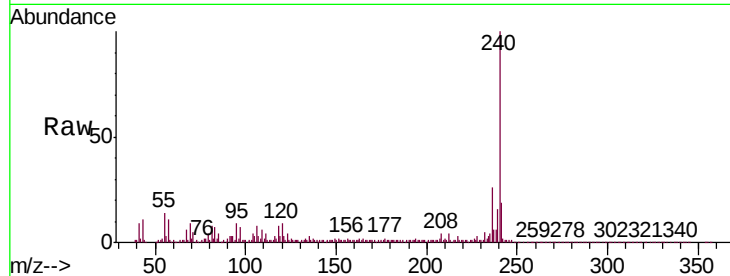
Tgt Ion:240 Resp: 253669

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

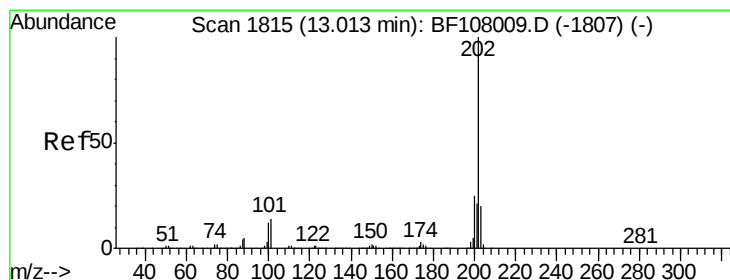
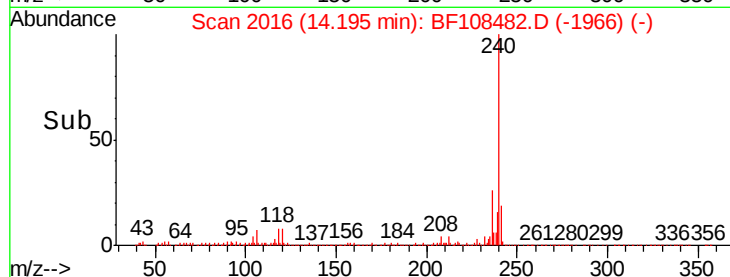
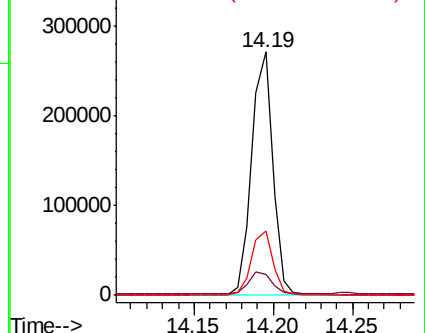
236 26.3 20.7 31.1



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: 6.460 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

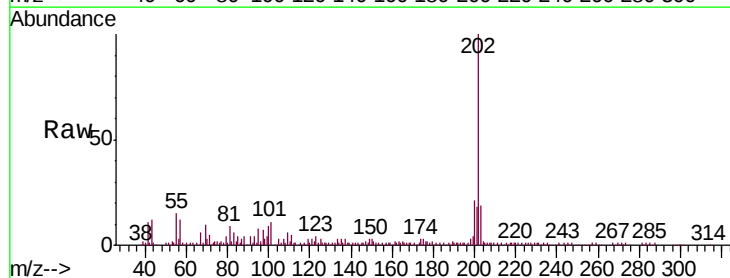
Tgt Ion:202 Resp: 103751

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

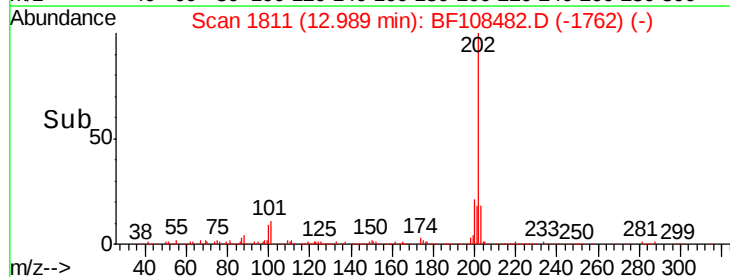
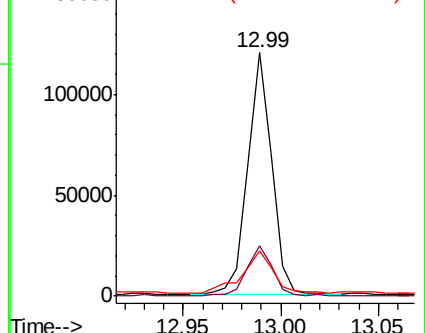
203 18.6 14.3 21.5

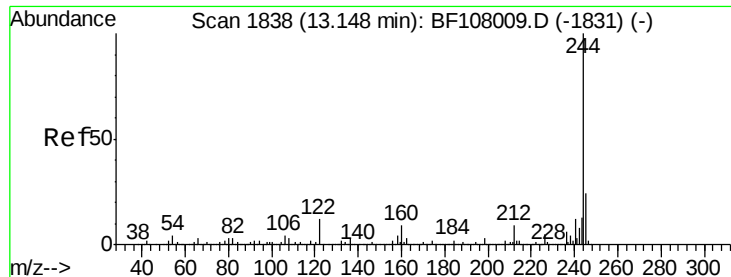


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.136 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D4

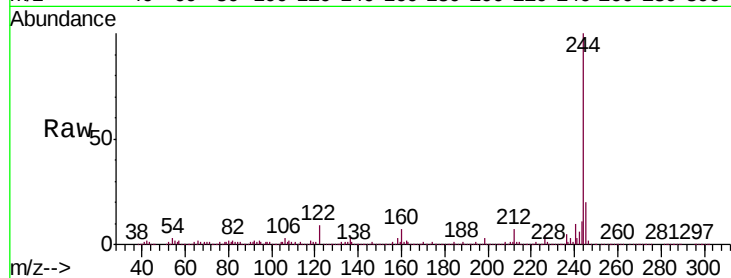
Tgt Ion:244 Resp: 889300

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

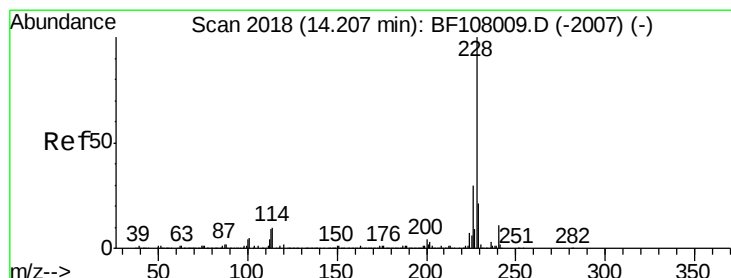
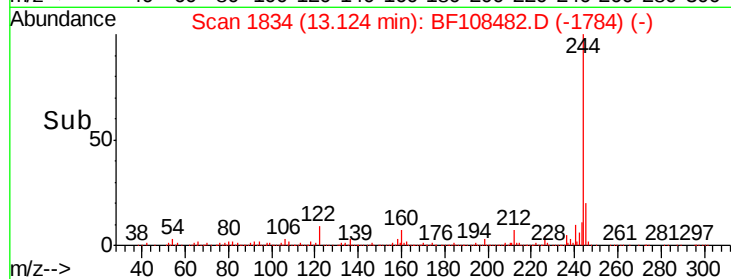
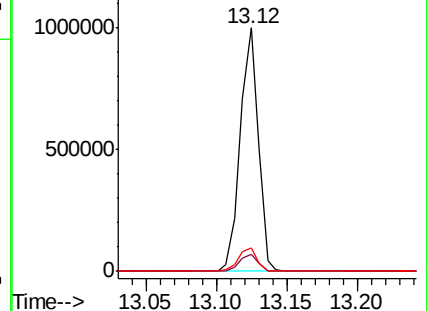
122 9.4 11.0 16.4#



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: 3.033 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

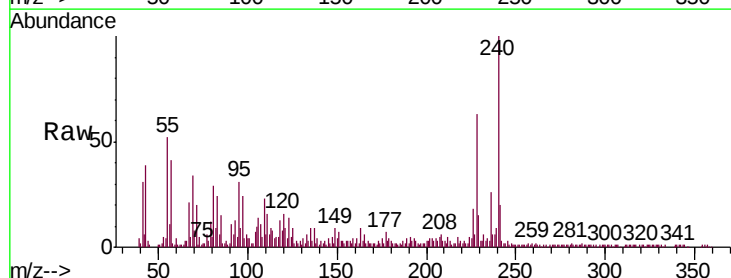
Tgt Ion:228 Resp: 44158

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

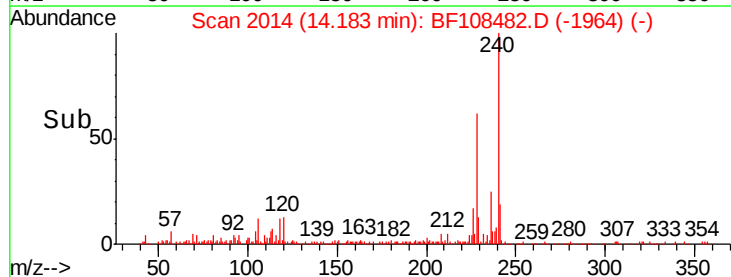
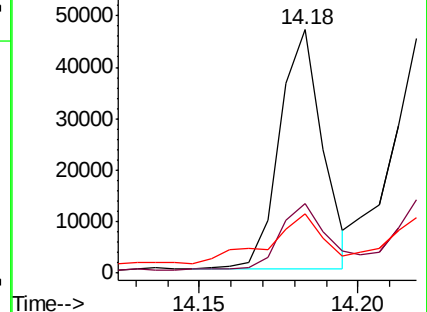
229 24.4 15.8 23.6#

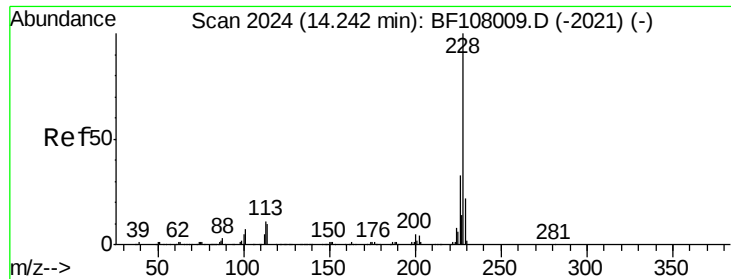


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.054 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D4

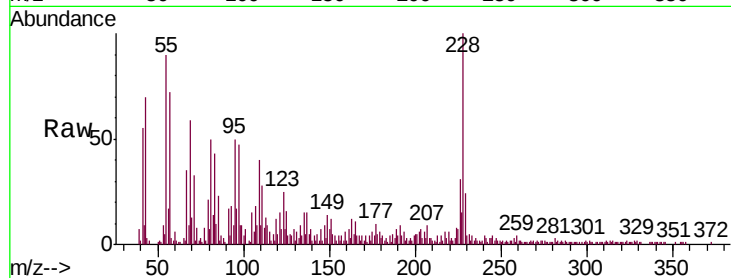
Tgt Ion:228 Resp: 40764

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

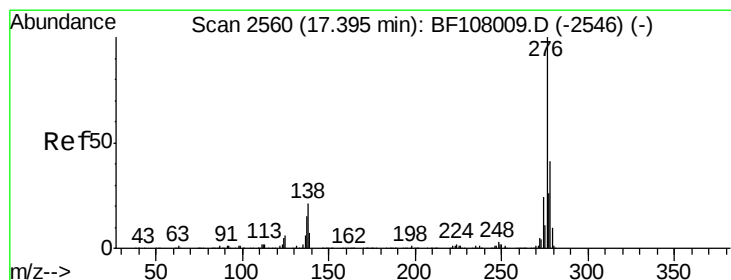
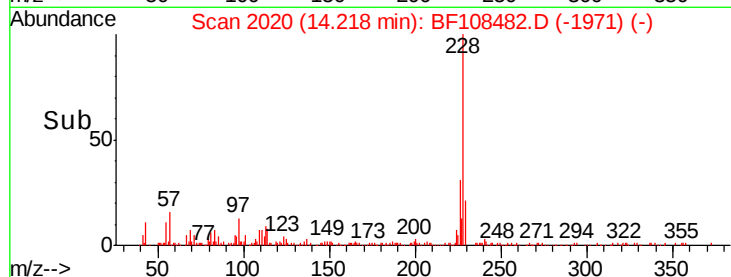
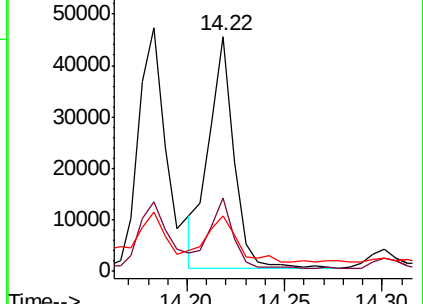
229 23.7 16.2 24.4



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: 2.154 ng

RT: 17.37 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

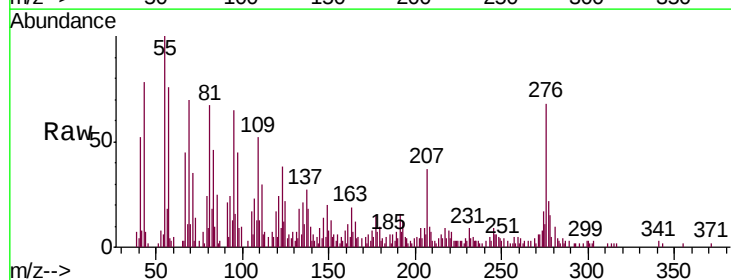
Tgt Ion:276 Resp: 24906

Ion Ratio Lower Upper

276 100

138 19.3 25.0 37.6#

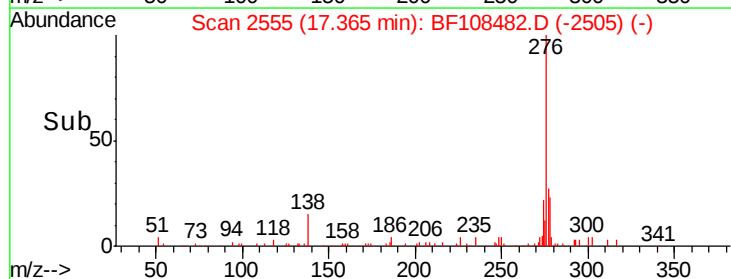
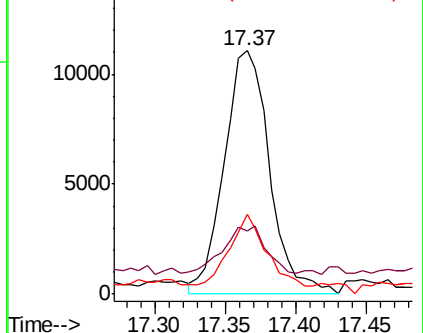
277 23.3 20.1 30.1

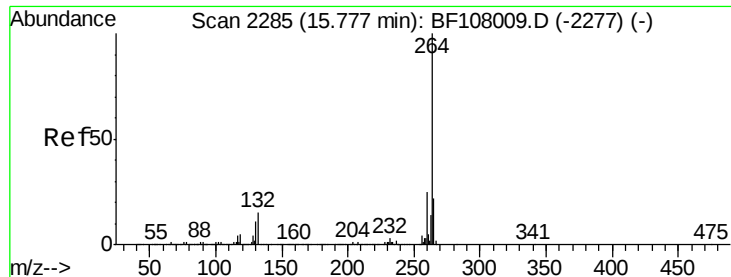


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

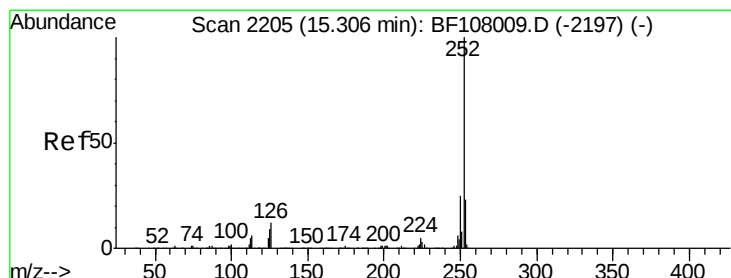
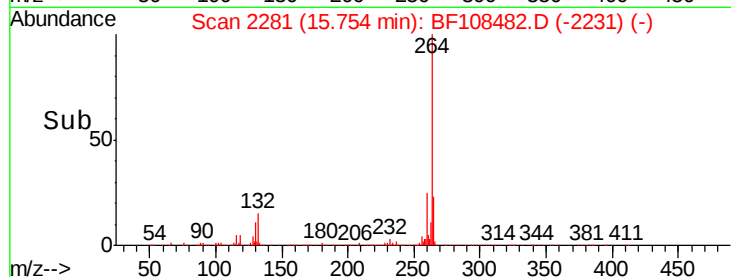
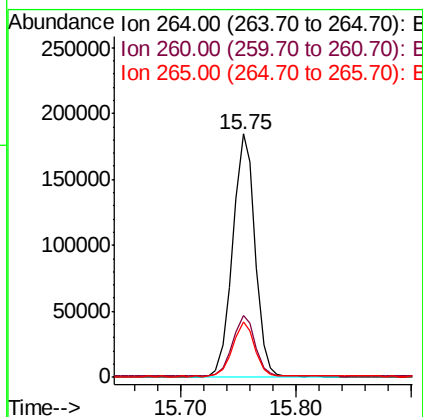
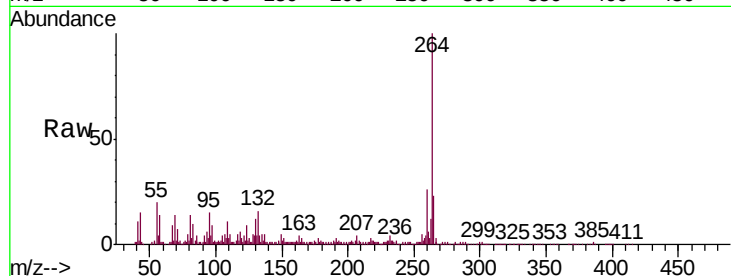




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

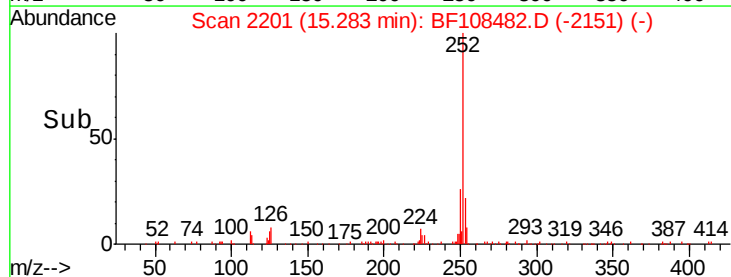
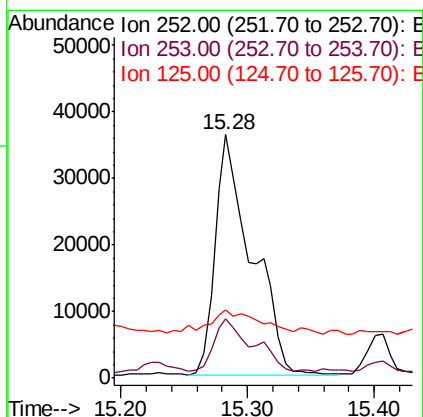
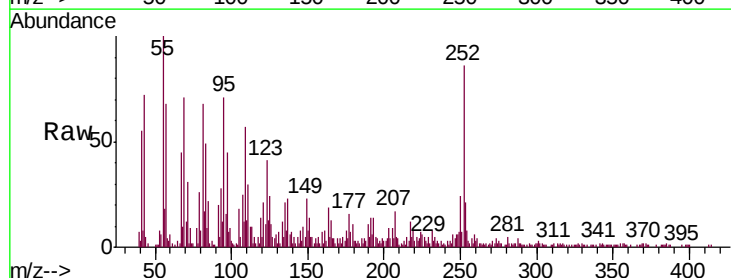
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

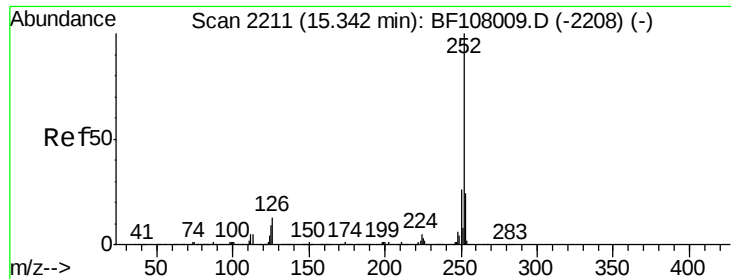
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.2	28.8
265	22.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 4.946 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	27.8	9.0	13.6

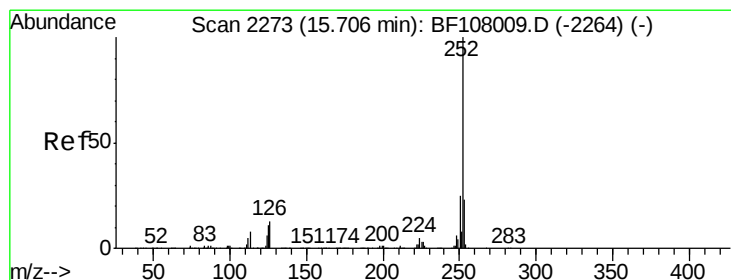
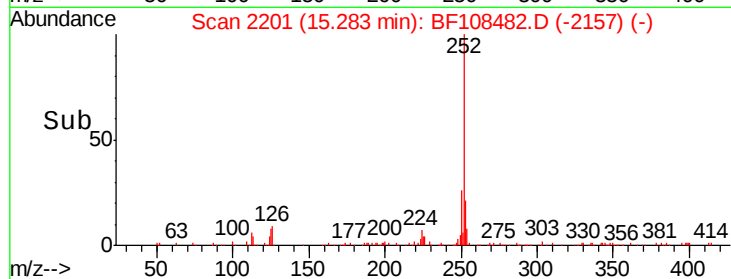
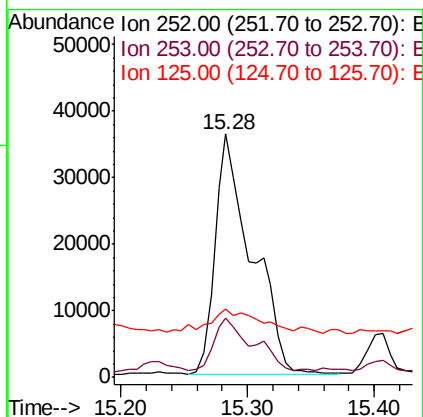
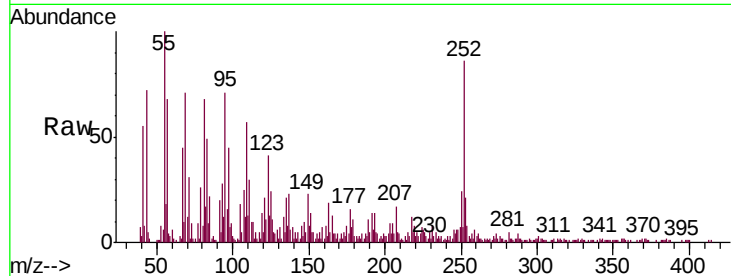




#88
Benzo(k)fluoranthene
Concen: 5.381 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

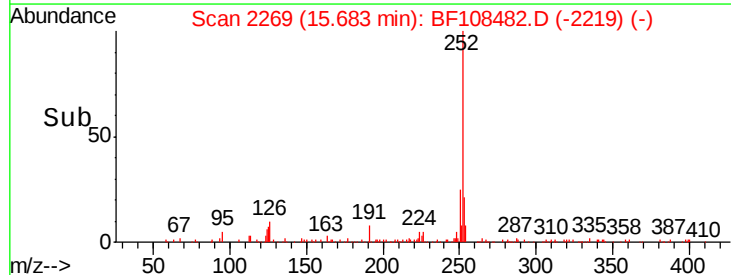
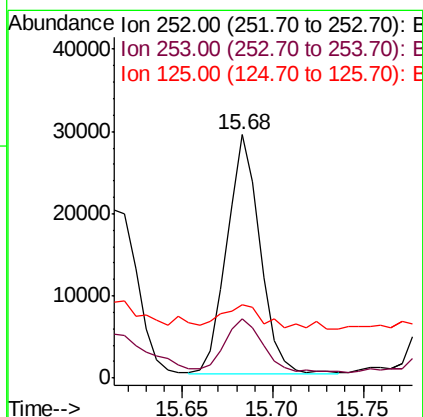
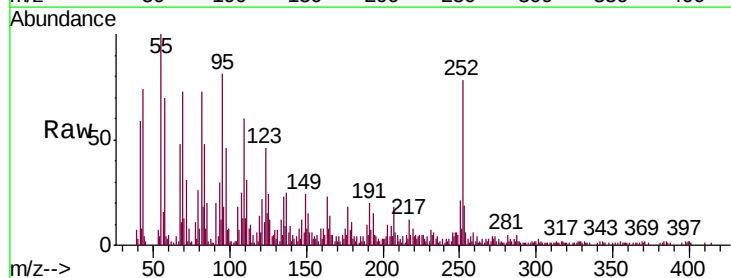
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-D4

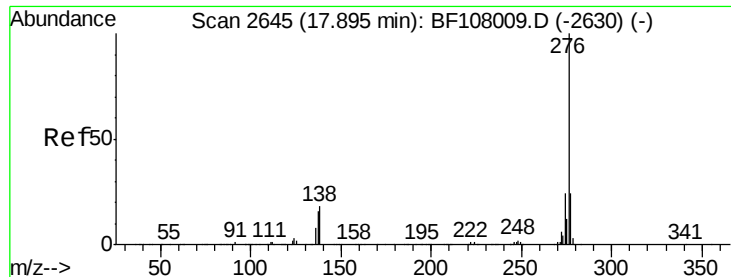
Tgt Ion: 252 Resp: 72993
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 27.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.830 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108482.D
Acq: 24 Aug 2018 23:51

Tgt Ion: 252 Resp: 37392
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 30.3 9.8 14.6#





#91

Benzo(g,h,i)perylene

Concen: 3.195 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.01 min

Lab File: BF108482.D

Acq: 24 Aug 2018 23:51

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-D4

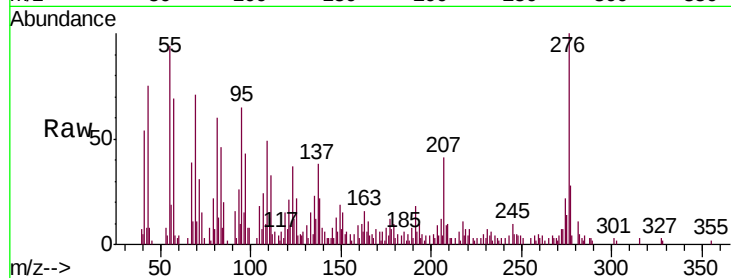
Tgt Ion: 276 Resp: 34399

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 22.2 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

