

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108440.D
 Acq On : 24 Aug 2018 00:10
 Operator : JU/SJ
 Sample : J4535-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-ESW-15-037

Quant Time: Aug 24 01:07:39 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	135402	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	515438	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	233815	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	361655	20.00	ng	0.00
75) Chrysene-d12	14.19	240	265544	20.00	ng	0.00
86) Perylene-d12	15.76	264	250429	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	142000	18.99	ng	-0.01
7) Phenol-d6	6.61	99	195991	19.72	ng	-0.02
23) Nitrobenzene-d5	7.55	82	124414	13.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	35555	15.24	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	234564	16.11	ng	-0.01
78) Terphenyl-d14	13.12	244	155956	14.93	ng	0.00

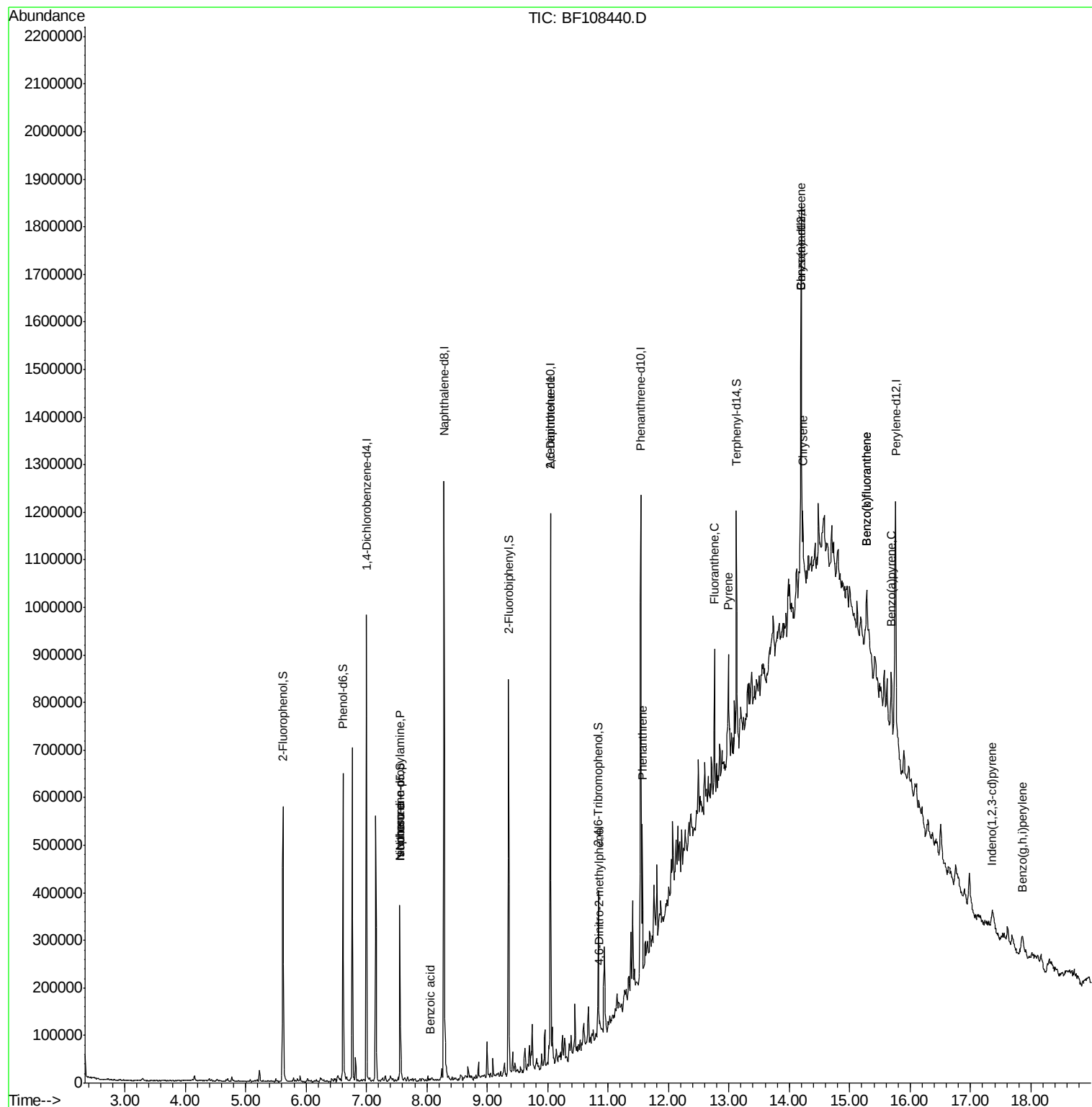
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.55	70	16958	2.523	ng	# 86
25) Isophorone	7.55	82	124412	7.066	ng	# 64
32) Benzoic acid	8.06	122	524	6.076	ng	# 35
50) 2,6-Dinitrotoluene	10.04	165	32642	9.579	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.85	198	764	5.858	ng	# 1
70) Phenanthrene	11.57	178	109904	6.443	ng	98
74) Fluoranthene	12.76	202	114183	6.133	ng	95
77) Pyrene	12.99	202	102651	6.106	ng	98
80) Benzo(a)anthracene	14.19	228	59451	3.901	ng	# 91
82) Chrysene	14.22	228	63730	4.561	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.36	276	24427	2.018	ng	# 88
87) Benzo(b)fluoranthene	15.29	252	90915	6.076	ng	# 79
88) Benzo(k)fluoranthene	15.29	252	90915	6.609	ng	# 82
89) Benzo(a)pyrene	15.69	252	45216	3.374	ng	# 79
91) Benzo(g,h,i)perylene	17.85	276	23550	2.157	ng	# 91

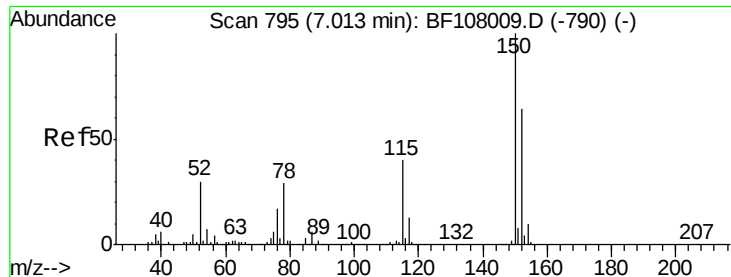
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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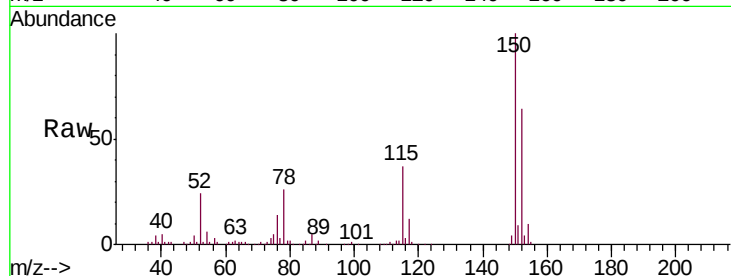


#1

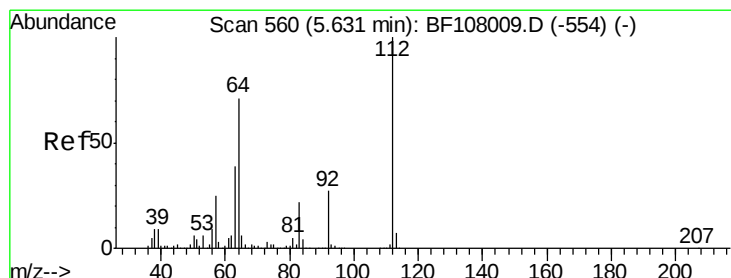
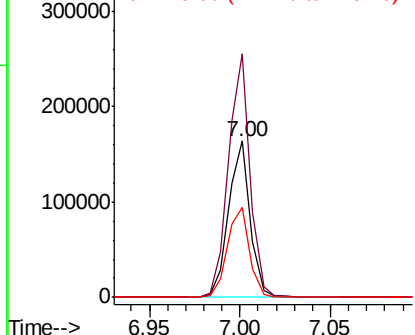
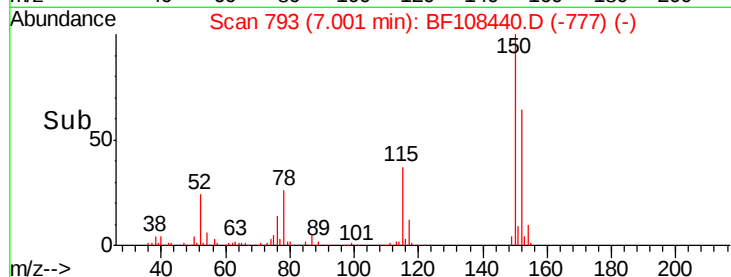
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

Tgt Ion:152 Resp: 135402
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 57.5 50.1 75.1



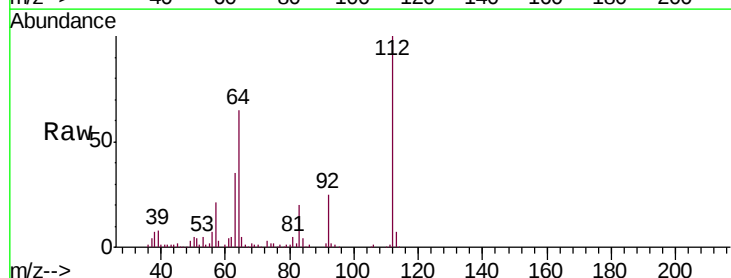
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



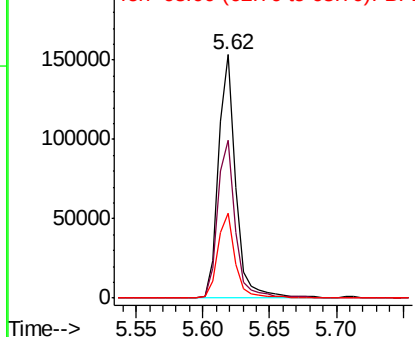
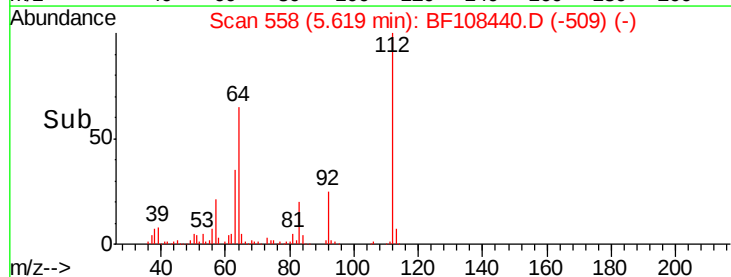
#5

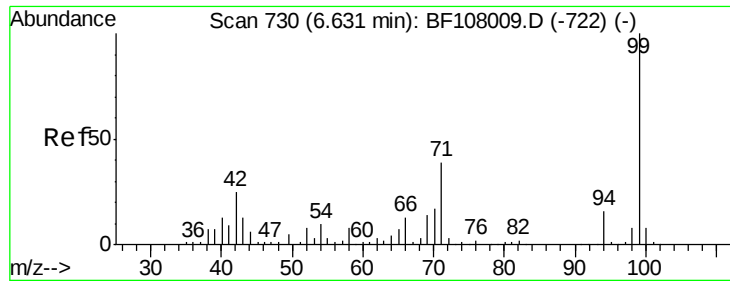
2-Fluorophenol
Concen: 18.987 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Tgt Ion:112 Resp: 142000
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 34.6 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: 19.720 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

ClientSampleId :

RA-081618-ESW-15-037

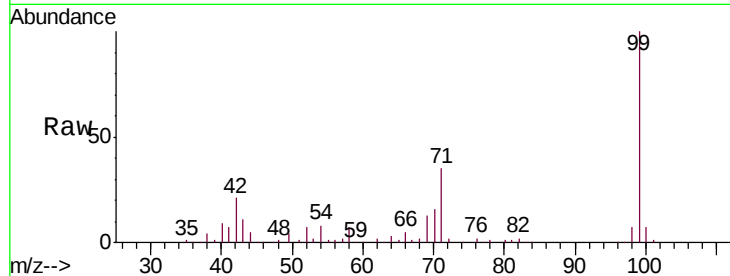
Tgt Ion: 99 Resp: 195991

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

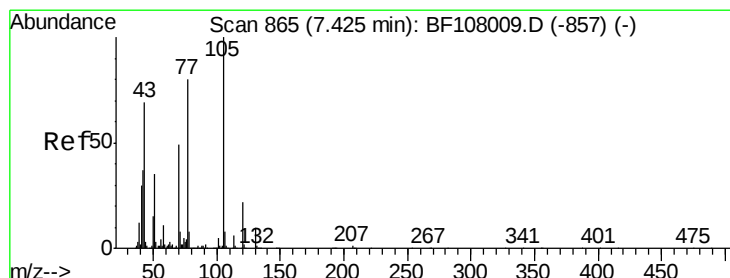
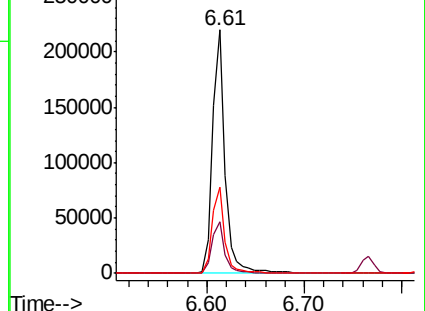
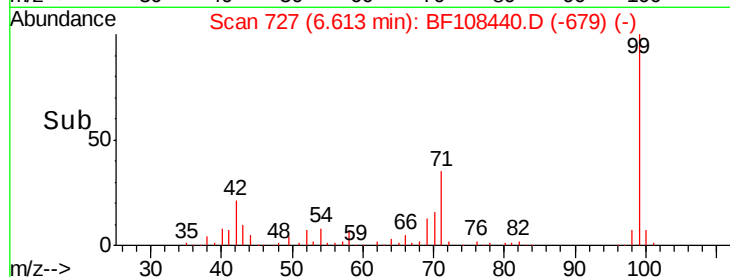
71 35.4 25.4 38.0



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: 2.523 ng

RT: 7.55 min Scan# 887

Delta R.T. 0.14 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Tgt Ion: 70 Resp: 16958

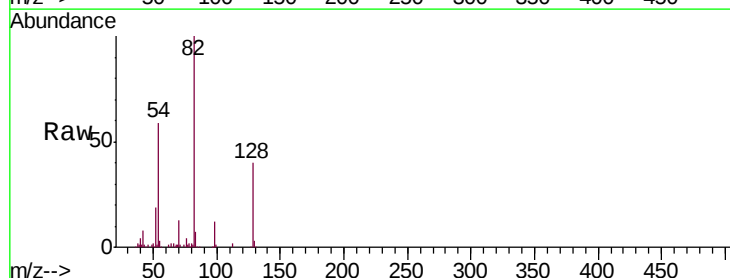
Ion Ratio Lower Upper

70 100

42 56.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

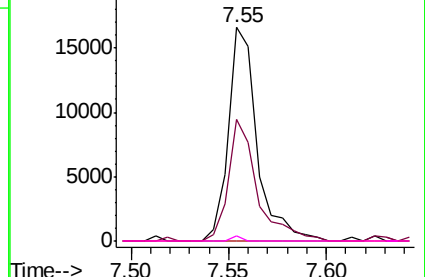
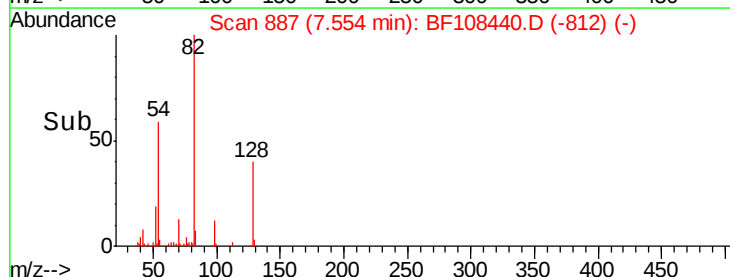


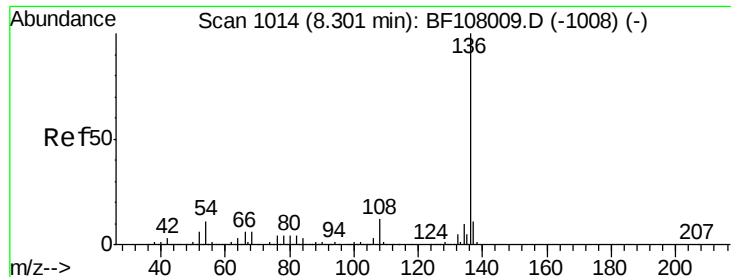
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

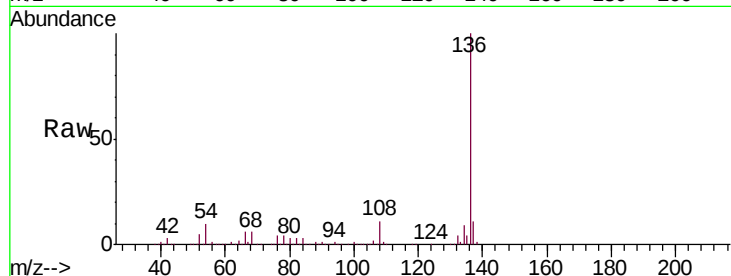




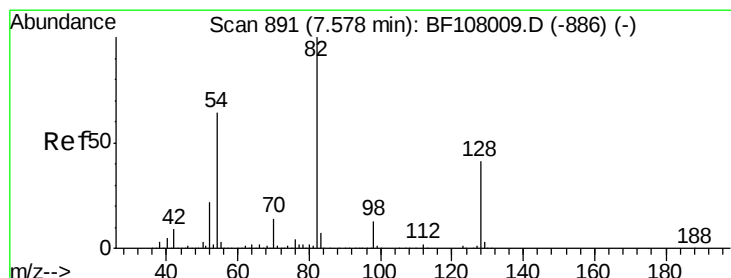
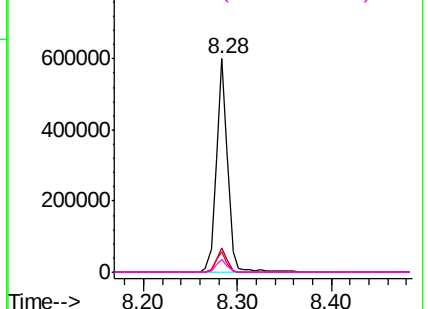
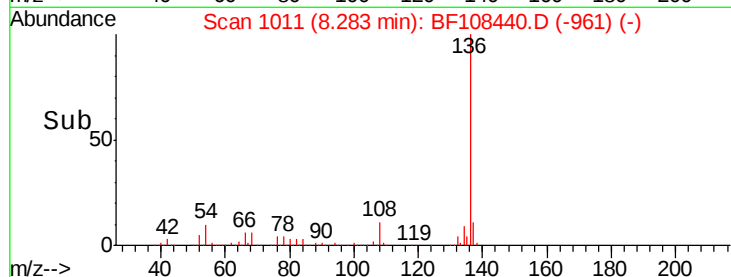
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

Tgt Ion:	136	Resp:	515438
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.7	6.6	9.8
68	6.0	5.0	7.4

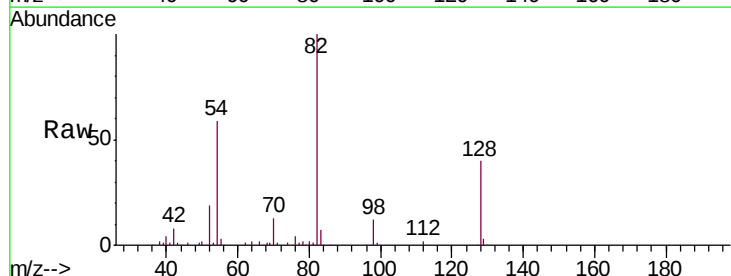


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

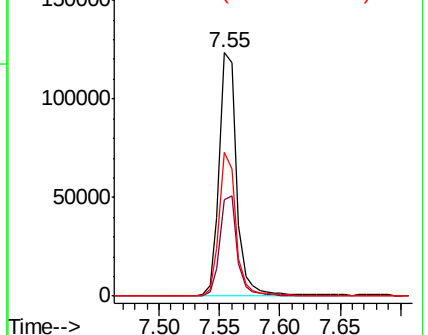
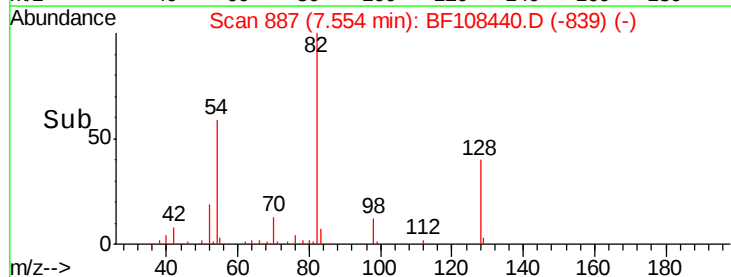


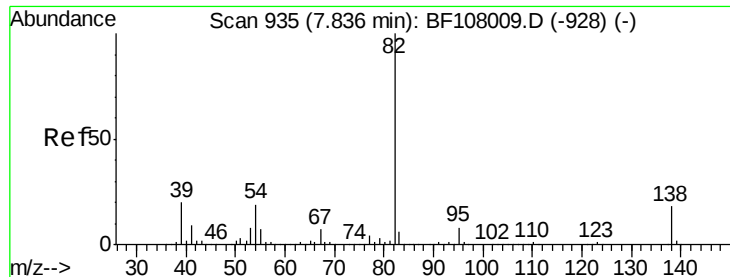
#23
Nitrobenzene-d5
Concen: 13.469 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Tgt Ion:	82	Resp:	124414
Ion	Ratio	Lower	Upper
82	100		
128	39.9	36.1	54.1
54	59.1	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: 7.066 ng

RT: 7.55 min Scan# 887

Delta R.T. -0.27 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

ClientSampleId :

RA-081618-ESW-15-037

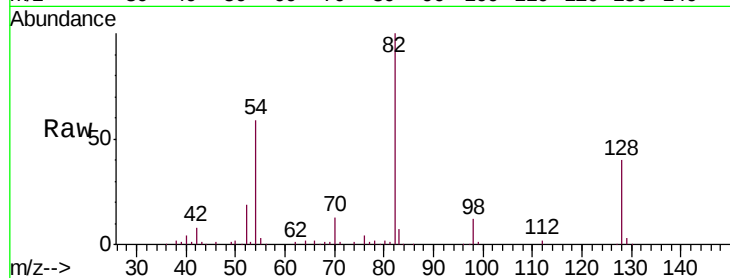
Tgt Ion: 82 Resp: 124412

Ion Ratio Lower Upper

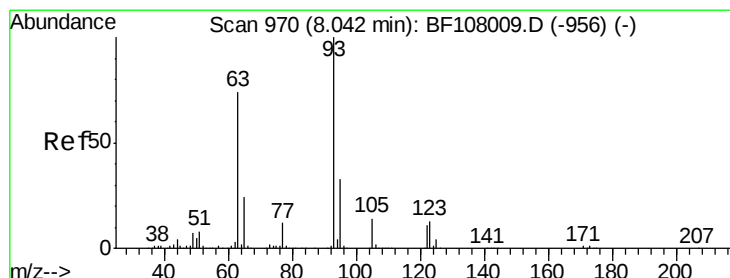
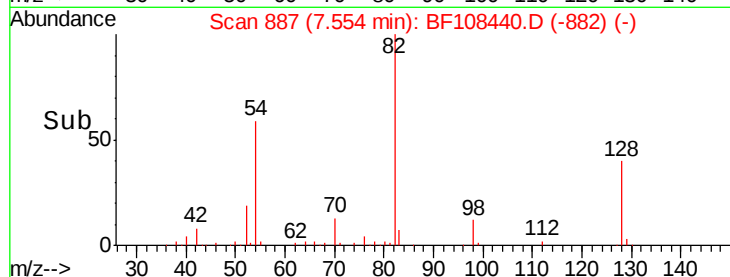
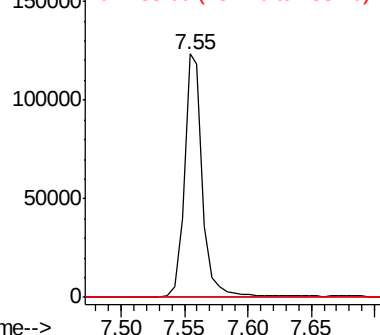
82 100

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



#32

Benzoic acid

Concen: 6.076 ng

RT: 8.06 min Scan# 973

Delta R.T. 0.02 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

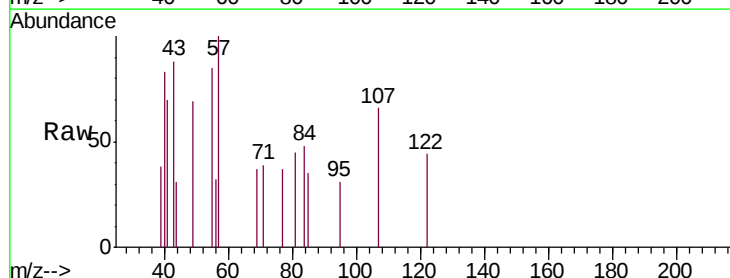
Tgt Ion: 122 Resp: 524

Ion Ratio Lower Upper

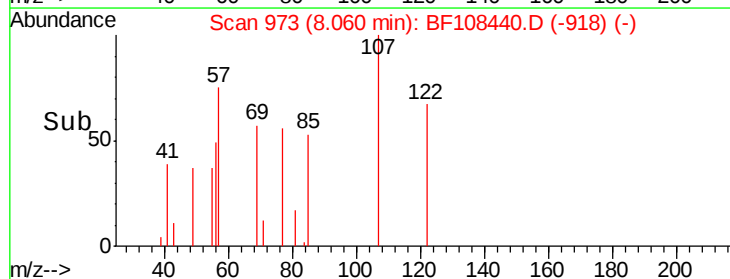
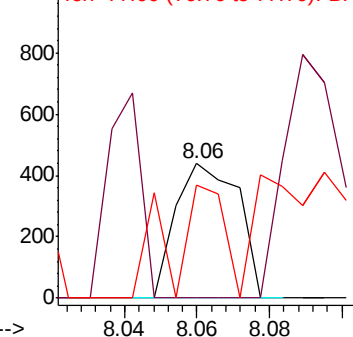
122 100

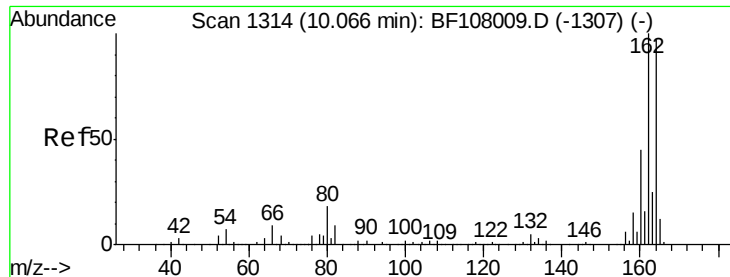
105 0.0 101.1 141.1#

77 84.0 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

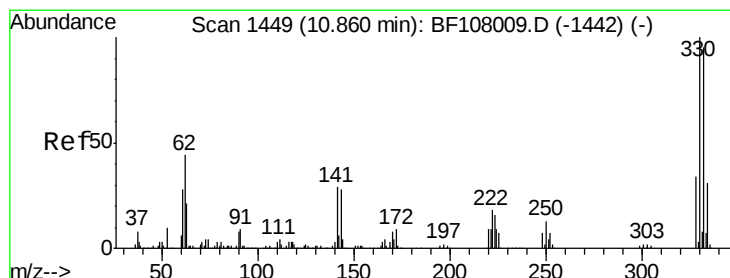
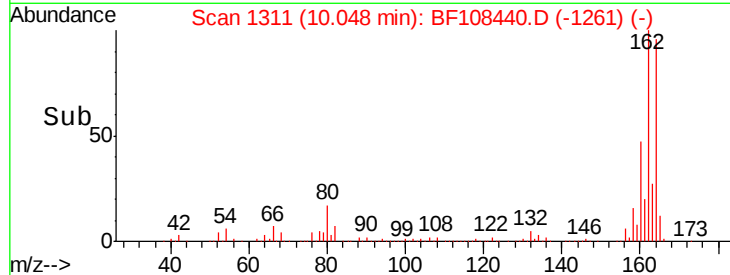
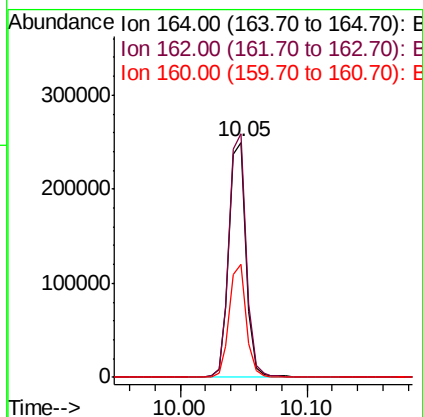
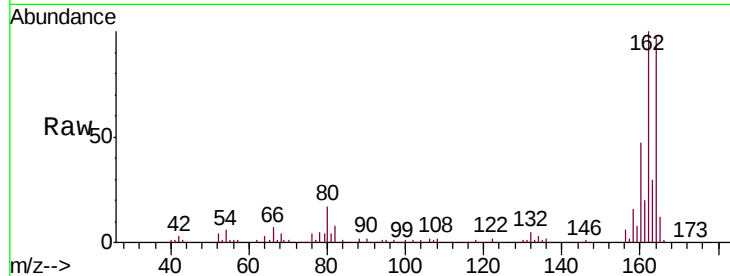




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

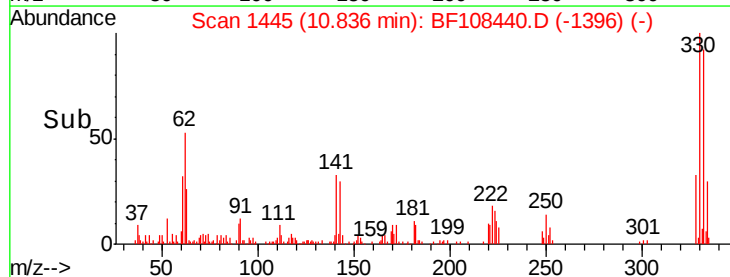
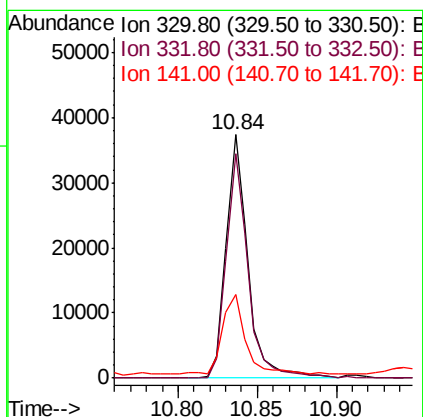
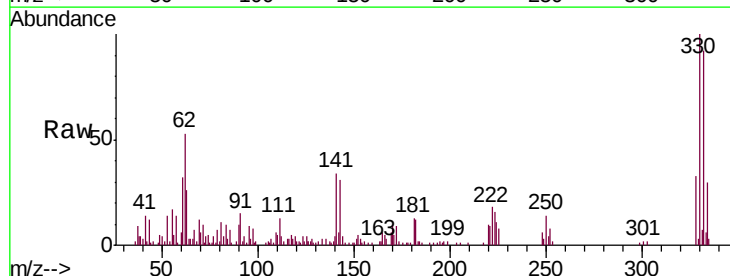
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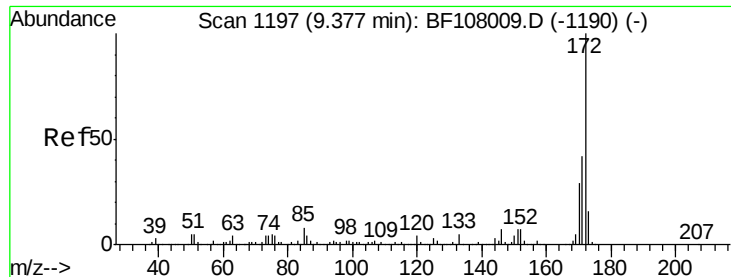
Tgt Ion:164 Resp: 233815
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 48.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 15.245 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Tgt Ion:330 Resp: 35555
Ion Ratio Lower Upper
330 100
332 92.5 77.0 115.6
141 36.0 29.9 44.9

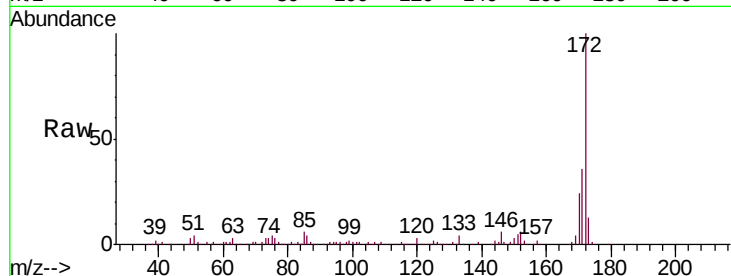




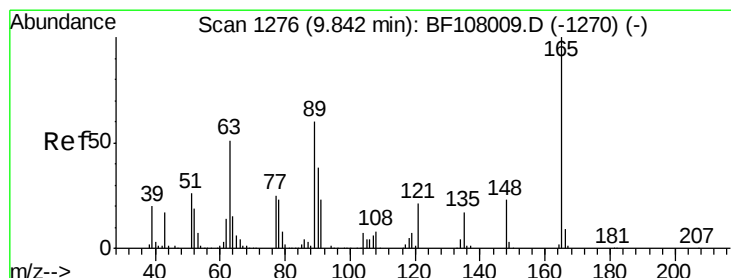
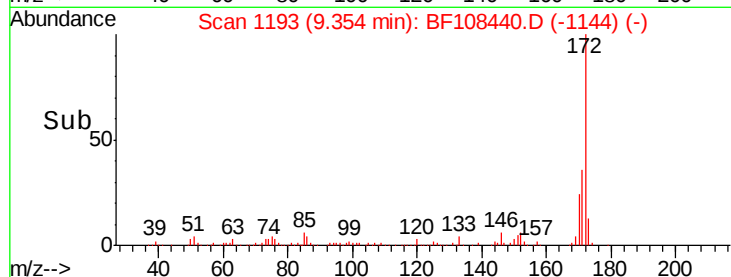
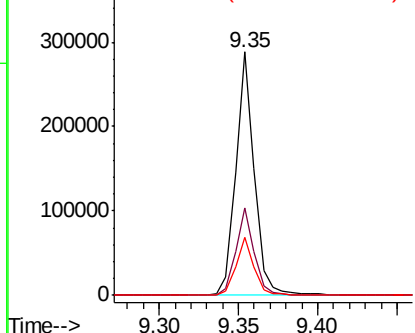
#44
2-Fluorobiphenyl
Concen: 16.106 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

Tgt Ion:172 Resp: 234564
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.9 19.6 29.4

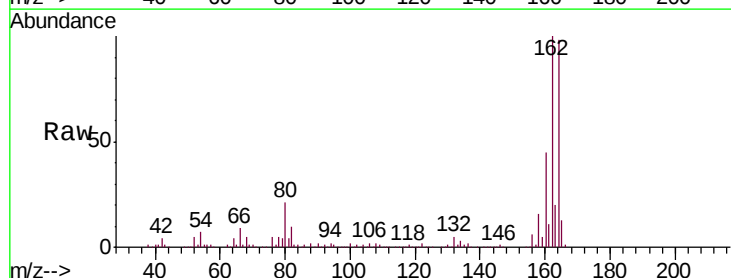


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

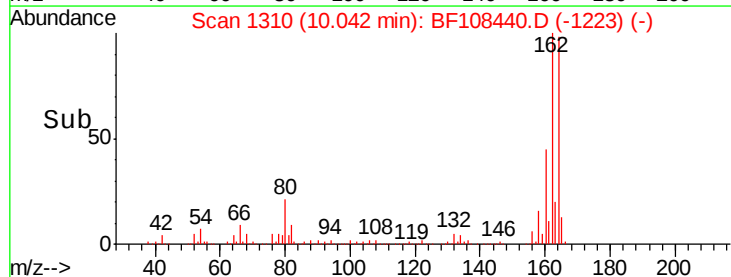
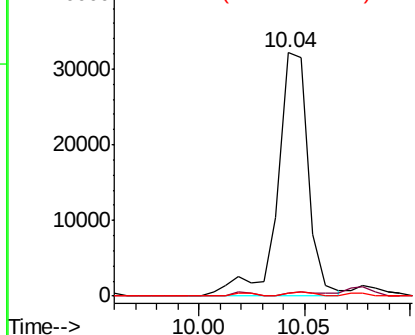


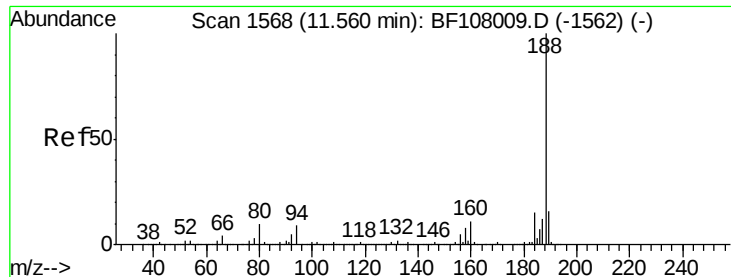
#50
2,6-Dinitrotoluene
Concen: 9.579 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Tgt Ion:165 Resp: 32642
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.3 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

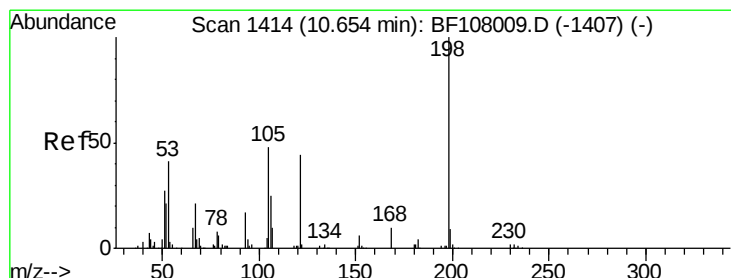
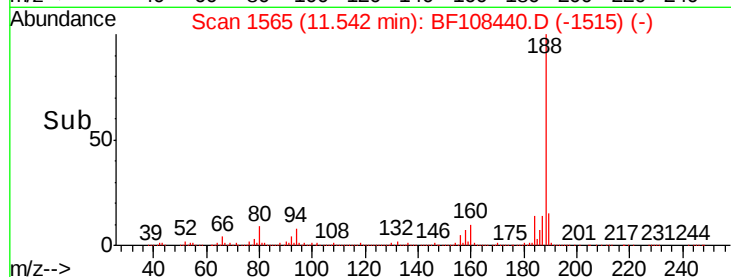
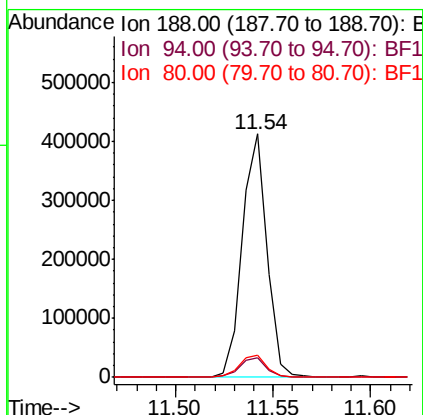
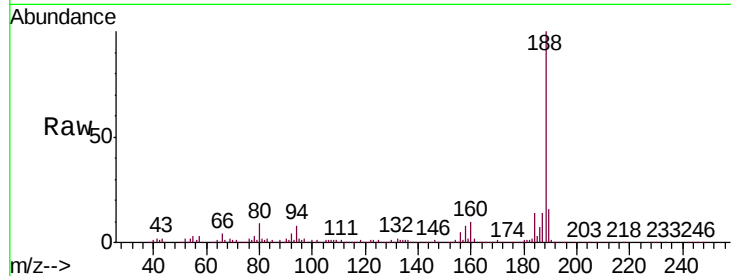




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

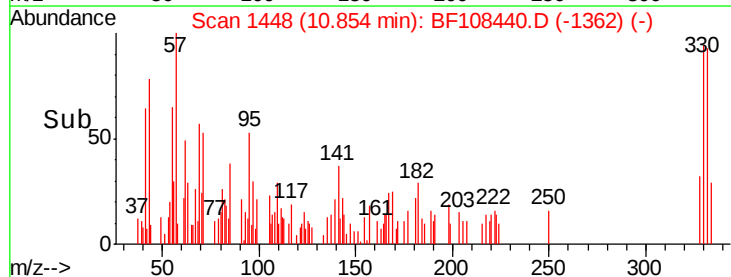
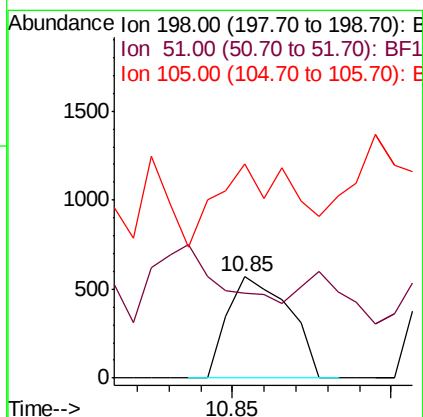
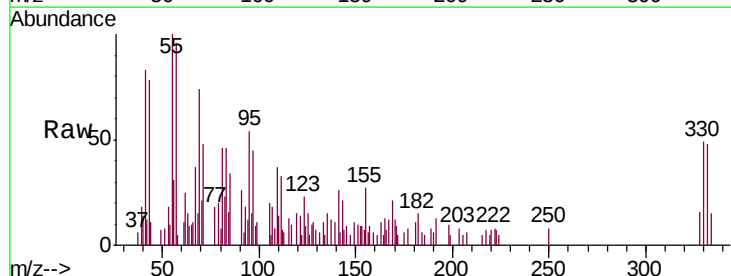
Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

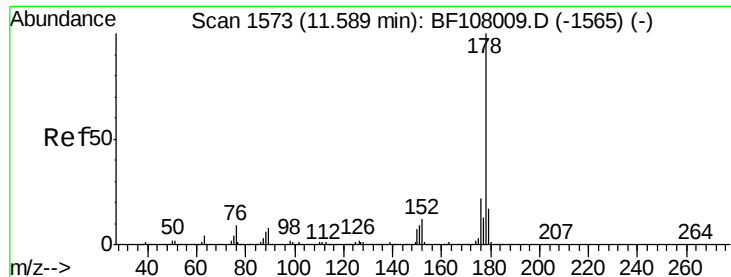
Tgt Ion:188 Resp: 361655
Ion Ratio Lower Upper
188 100
94 8.3 8.5 12.7#
80 9.1 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.858 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.21 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Tgt Ion:198 Resp: 764
Ion Ratio Lower Upper
198 100
51 84.0 37.7 77.7#
105 211.8 36.3 76.3#





#70

Phenanthrene

Concen: 6.443 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

ClientSampleId :

RA-081618-ESW-15-037

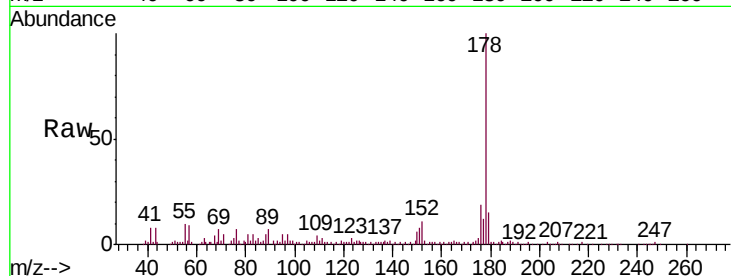
Tgt Ion:178 Resp: 109904

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

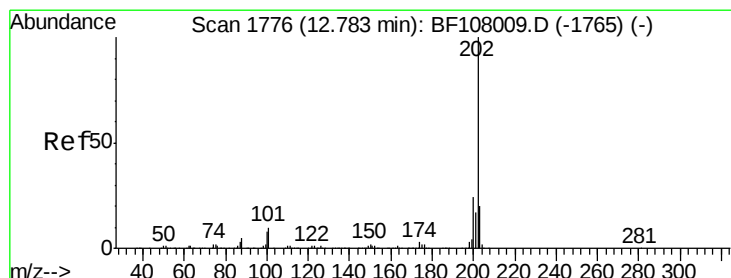
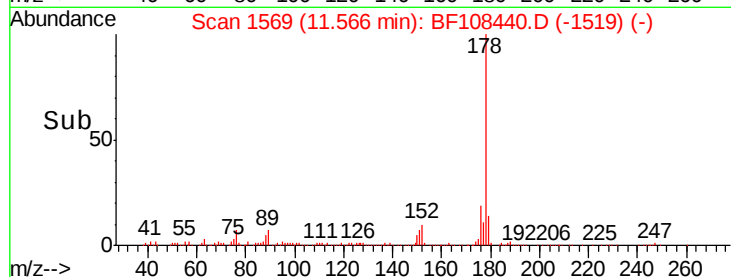
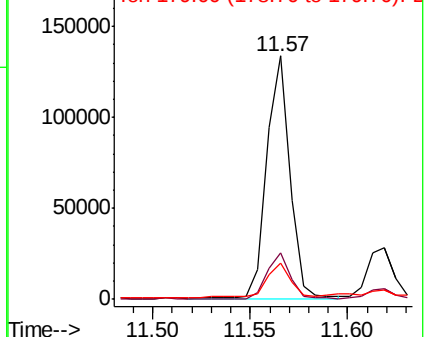
179 14.9 13.0 19.6



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: 6.133 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

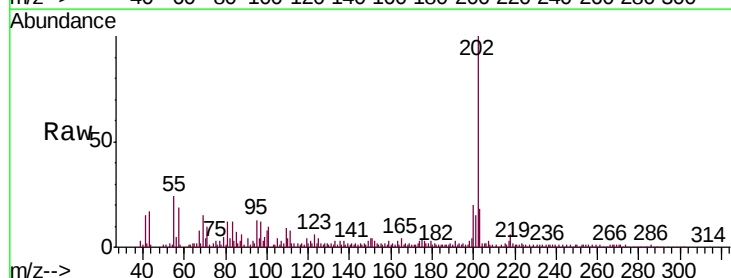
Tgt Ion:202 Resp: 114183

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

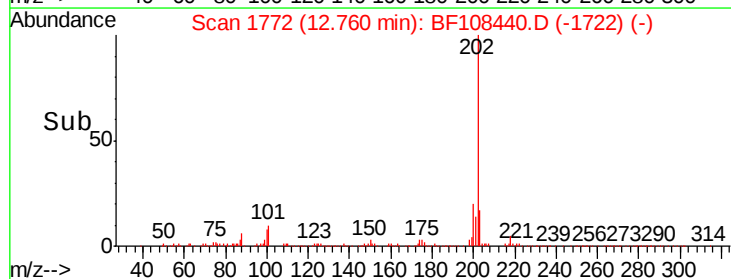
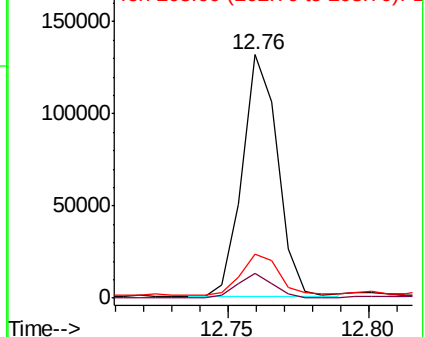
203 18.2 0.0 38.1

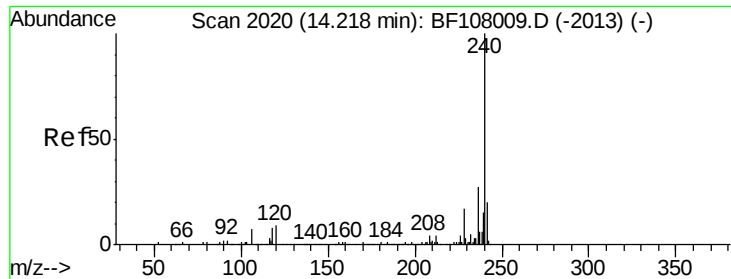


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

ClientSampleId :

RA-081618-ESW-15-037

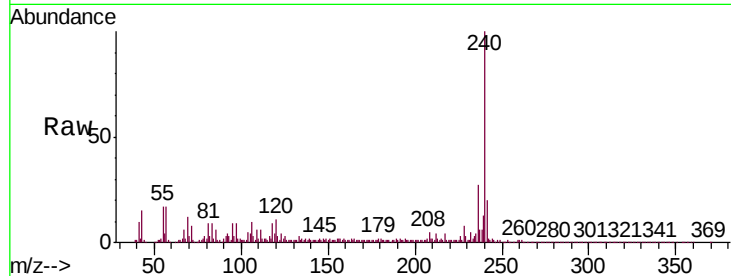
Tgt Ion:240 Resp: 265544

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

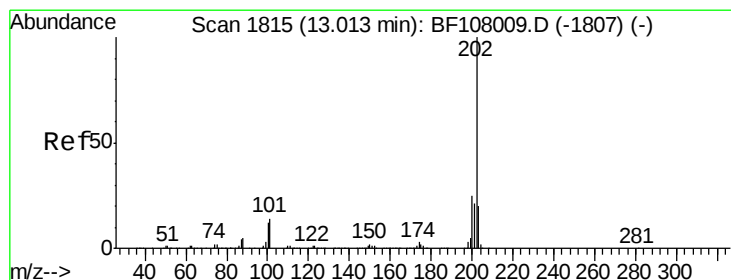
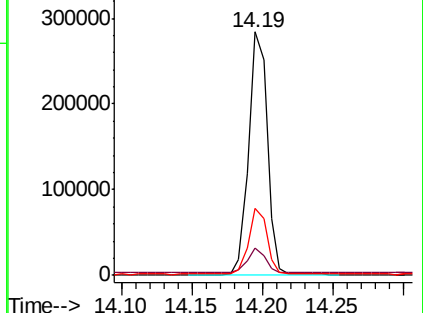
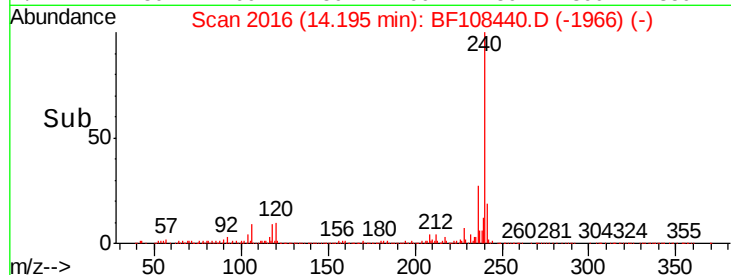
236 27.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.106 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

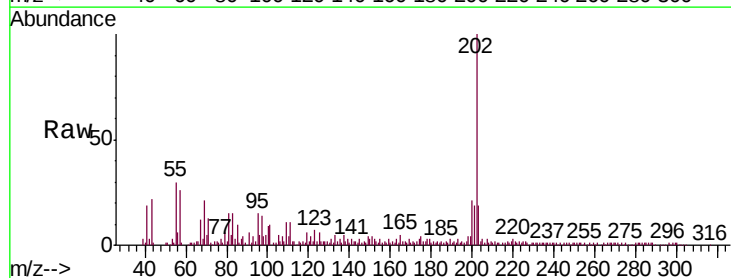
Tgt Ion:202 Resp: 102651

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

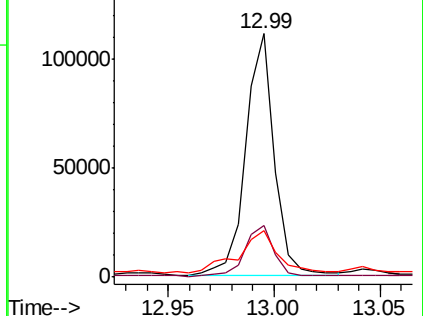
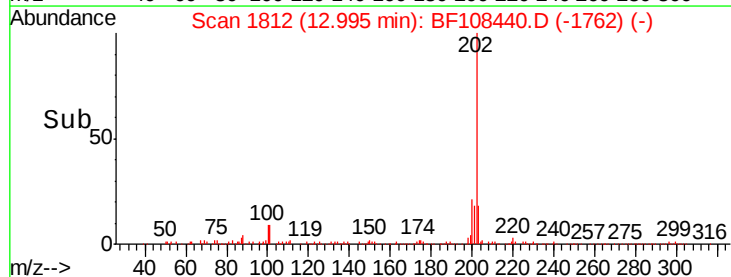
203 19.1 14.3 21.5

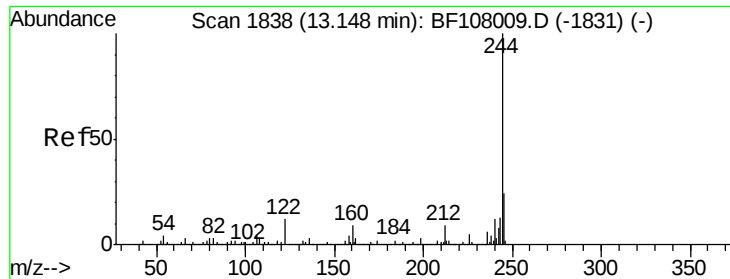


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

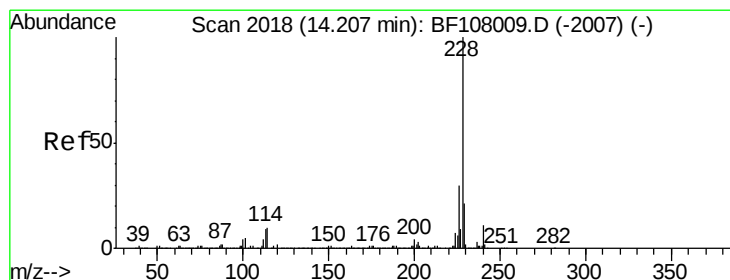
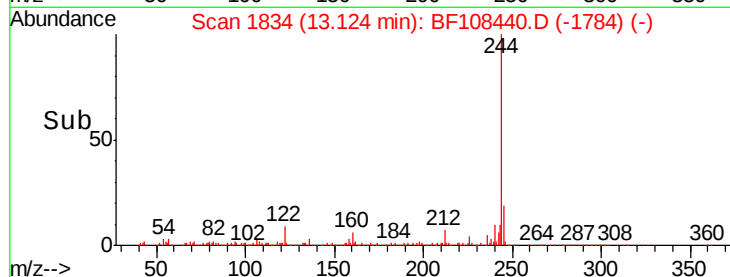
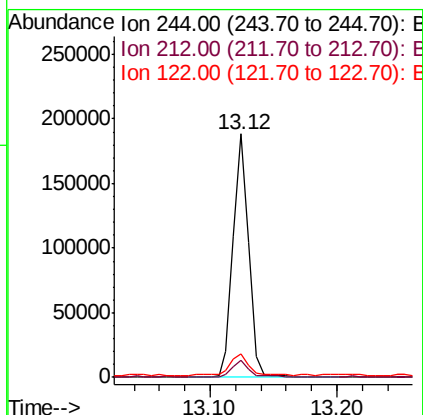
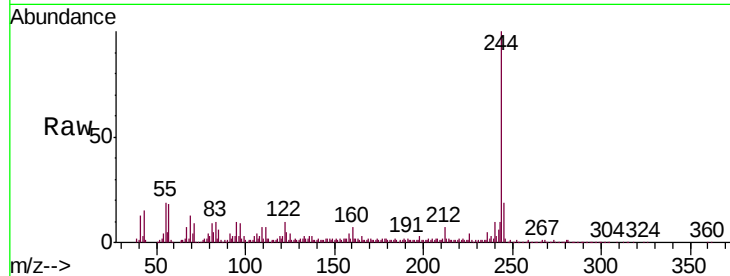




#78
 Terphenyl-d14
 Concen: 14.933 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

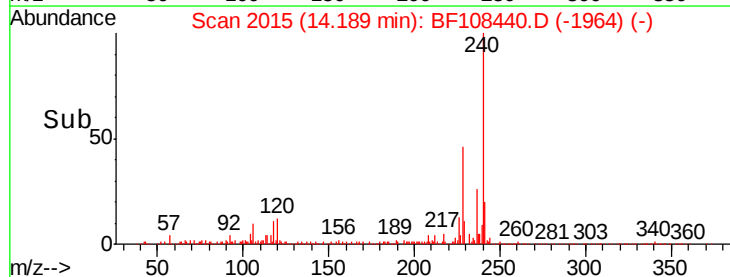
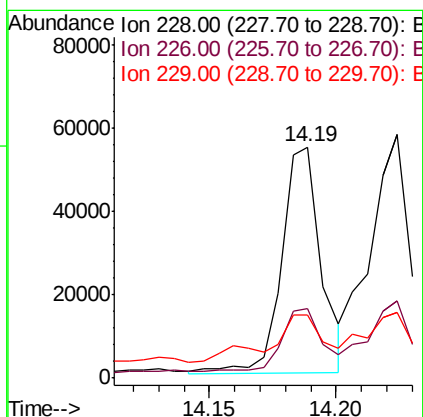
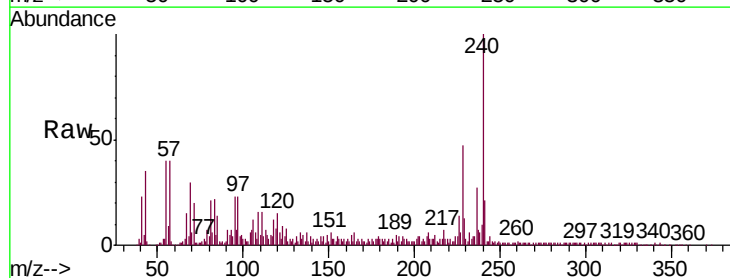
Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-ESW-15-037

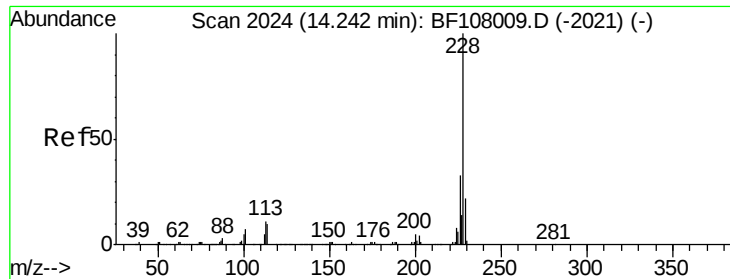
Tgt Ion:244 Resp: 155956
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 9.6 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.901 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: BF108440.D
 Acq: 24 Aug 2018 00:10

Tgt Ion:228 Resp: 59451
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 27.1 15.8 23.6#





#82

Chrysene

Concen: 4.561 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

ClientSampleId :

RA-081618-ESW-15-037

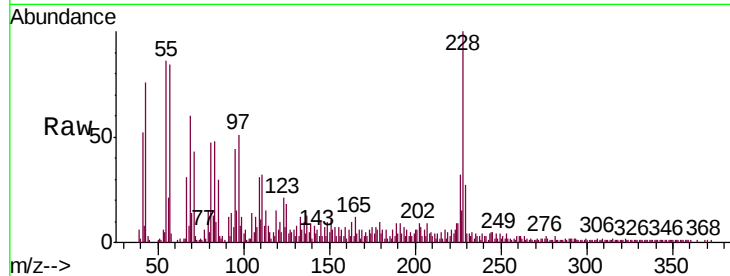
Tgt Ion:228 Resp: 63730

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

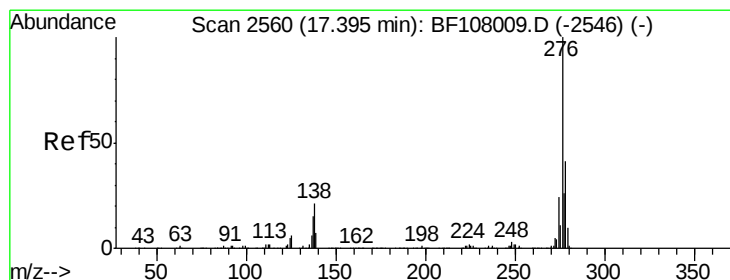
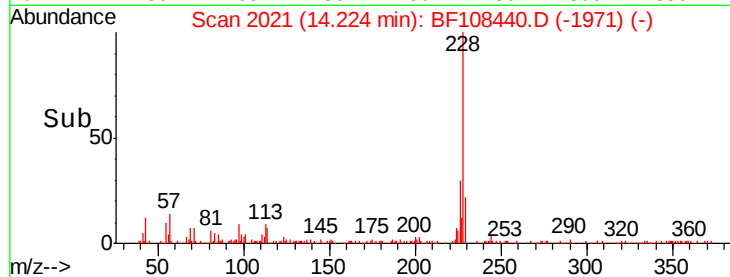
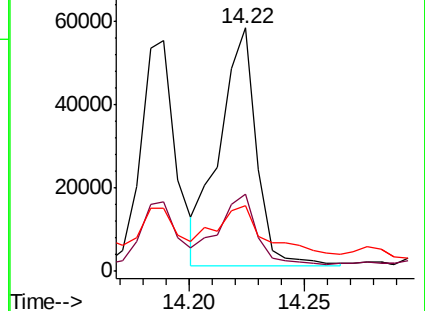
229 27.1 16.2 24.4#



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: 2.018 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF108440.D

Acq: 24 Aug 2018 00:10

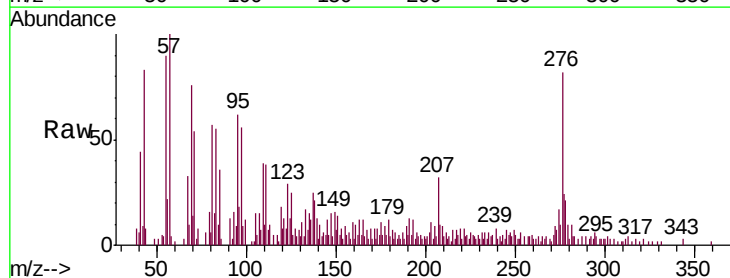
Tgt Ion:276 Resp: 24427

Ion Ratio Lower Upper

276 100

138 20.6 25.0 37.6#

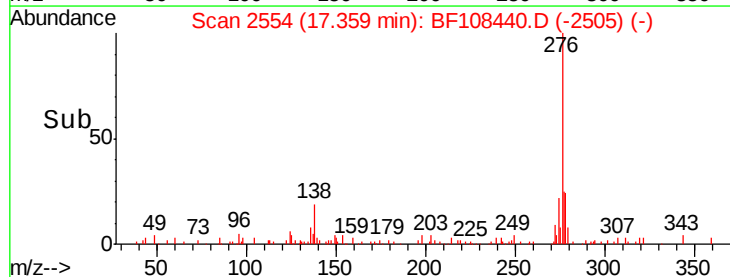
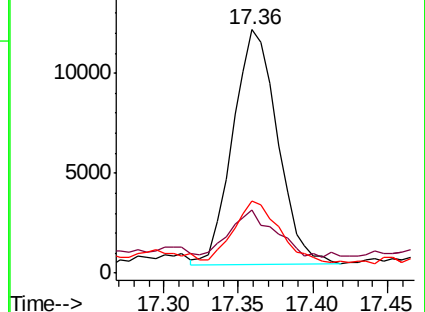
277 26.1 20.1 30.1

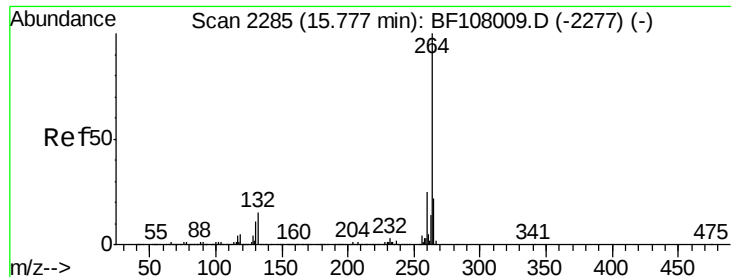


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

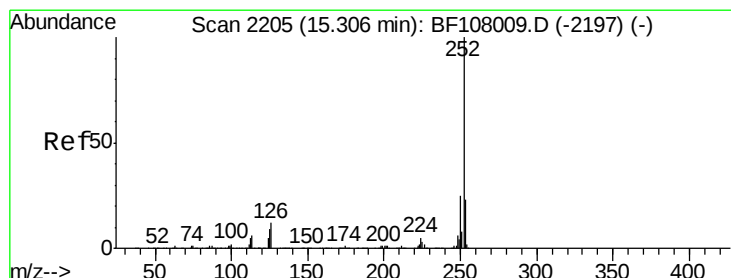
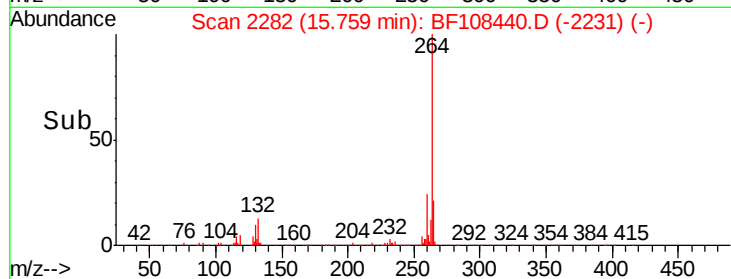
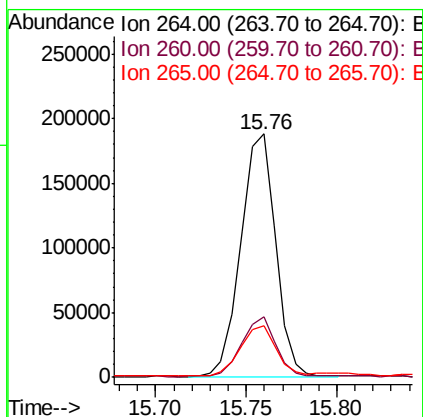
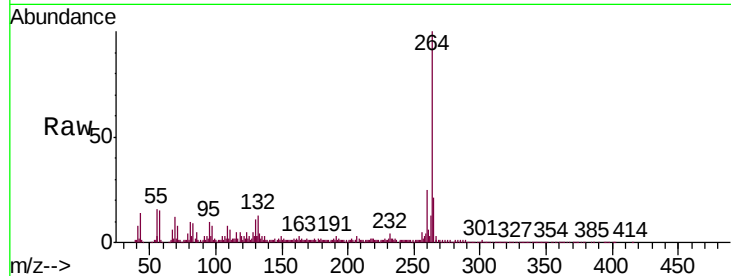




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.76 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

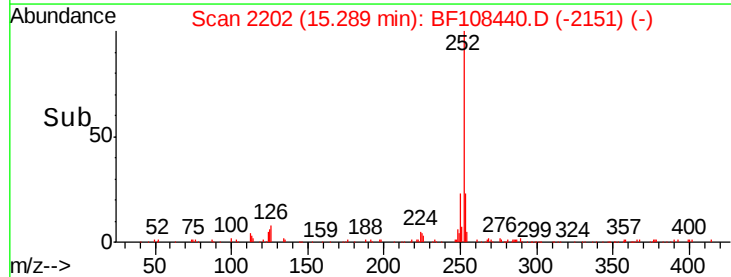
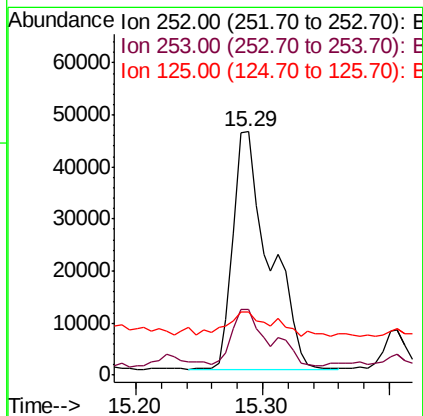
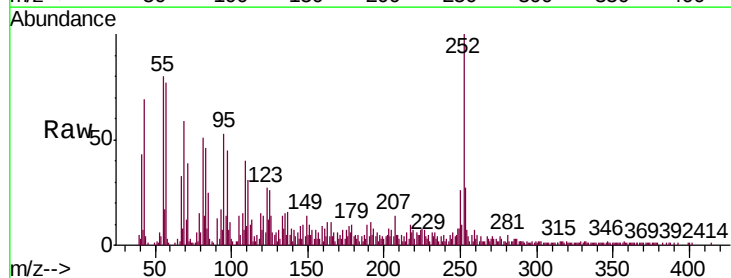
Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

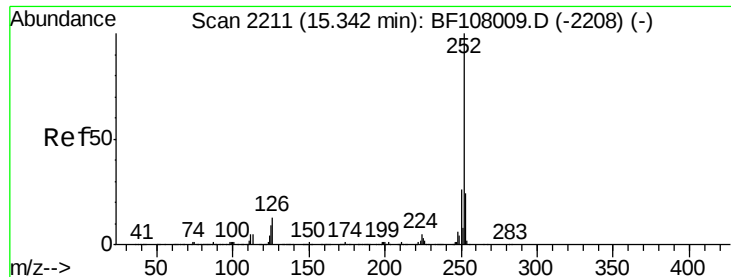
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.076 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.0	25.6#
125	26.0	9.0	13.6#

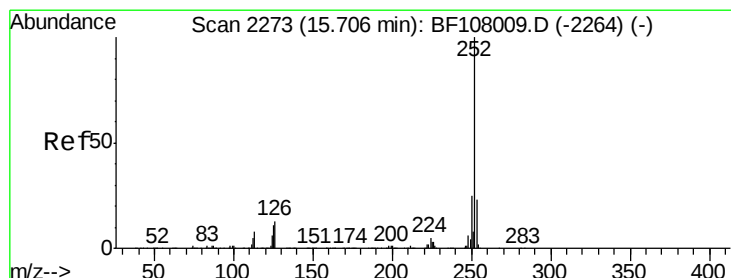
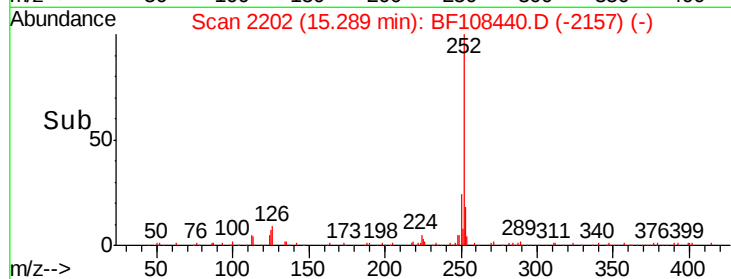
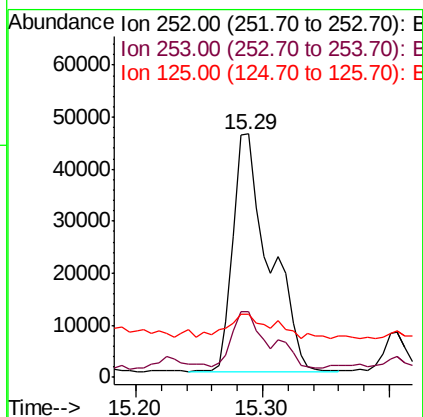
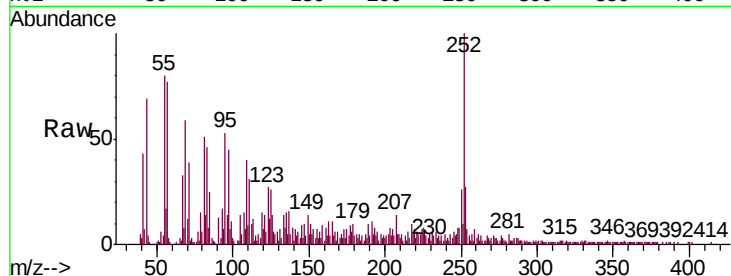




#88
Benzo(k)fluoranthene
Concen: 6.609 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

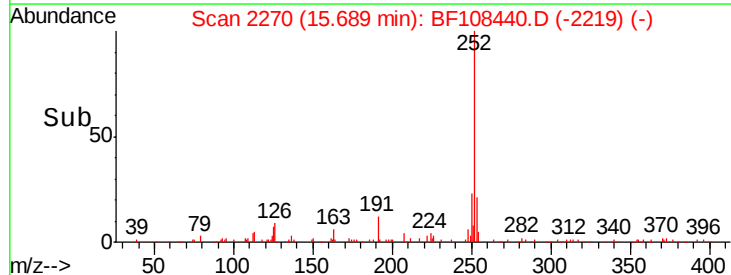
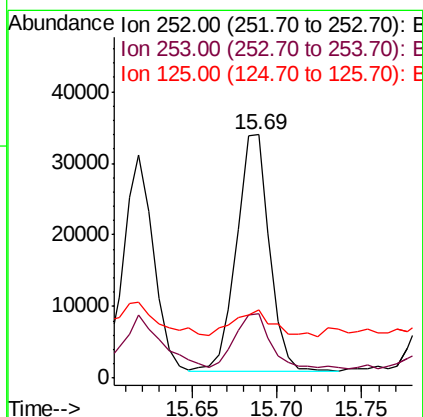
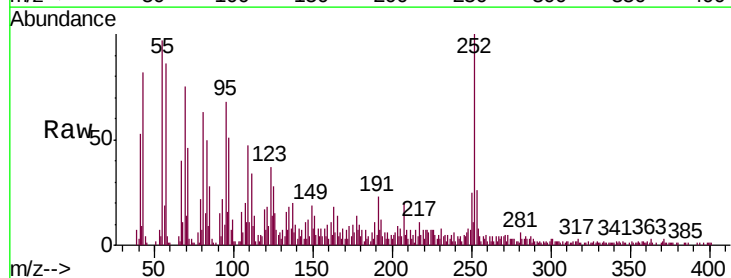
Instrument :
BNA_F
ClientSampleId :
RA-081618-ESW-15-037

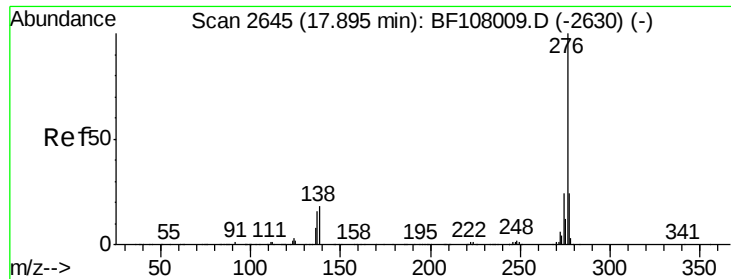
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.9	26.9#
125	26.0	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 3.374 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108440.D
Acq: 24 Aug 2018 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.1	25.7#
125	28.1	9.8	14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.157 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.01 min

Lab File: BF108440.D

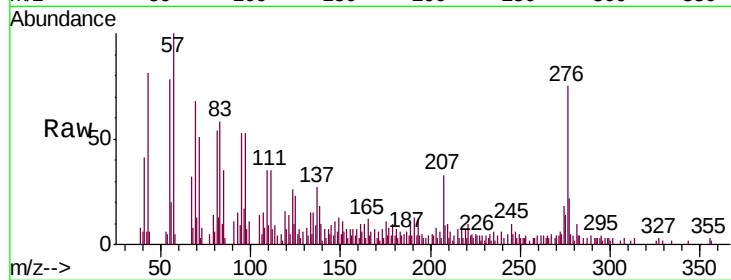
Acq: 24 Aug 2018 00:10

Instrument :

BNA_F

ClientSampleId :

RA-081618-ESW-15-037



Tgt Ion:	276	Resp:	23550
Ion	Ratio	Lower	Upper
276	100		
277	29.4	17.9	26.9#
138	24.6	21.8	32.8

