

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\
 Data File : BF109383.D
 Acq On : 27 Sep 2018 13:35
 Operator : JU/SJ
 Sample : J5066-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q1-HI1

Quant Time: Sep 27 14:44:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	115580	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	457938	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	229288	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	433185	20.00	ng	0.00
75) Chrysene-d12	13.84	240	267743	20.00	ng	0.00
86) Perylene-d12	15.24	264	282937	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	522344	74.44	ng	0.00
7) Phenol-d6	6.35	99	681347	76.09	ng	-0.01
23) Nitrobenzene-d5	7.26	82	431456	55.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	162414	71.85	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	740359	48.70	ng	-0.01
78) Terphenyl-d14	12.80	244	686851	62.96	ng	0.00

Target Compounds

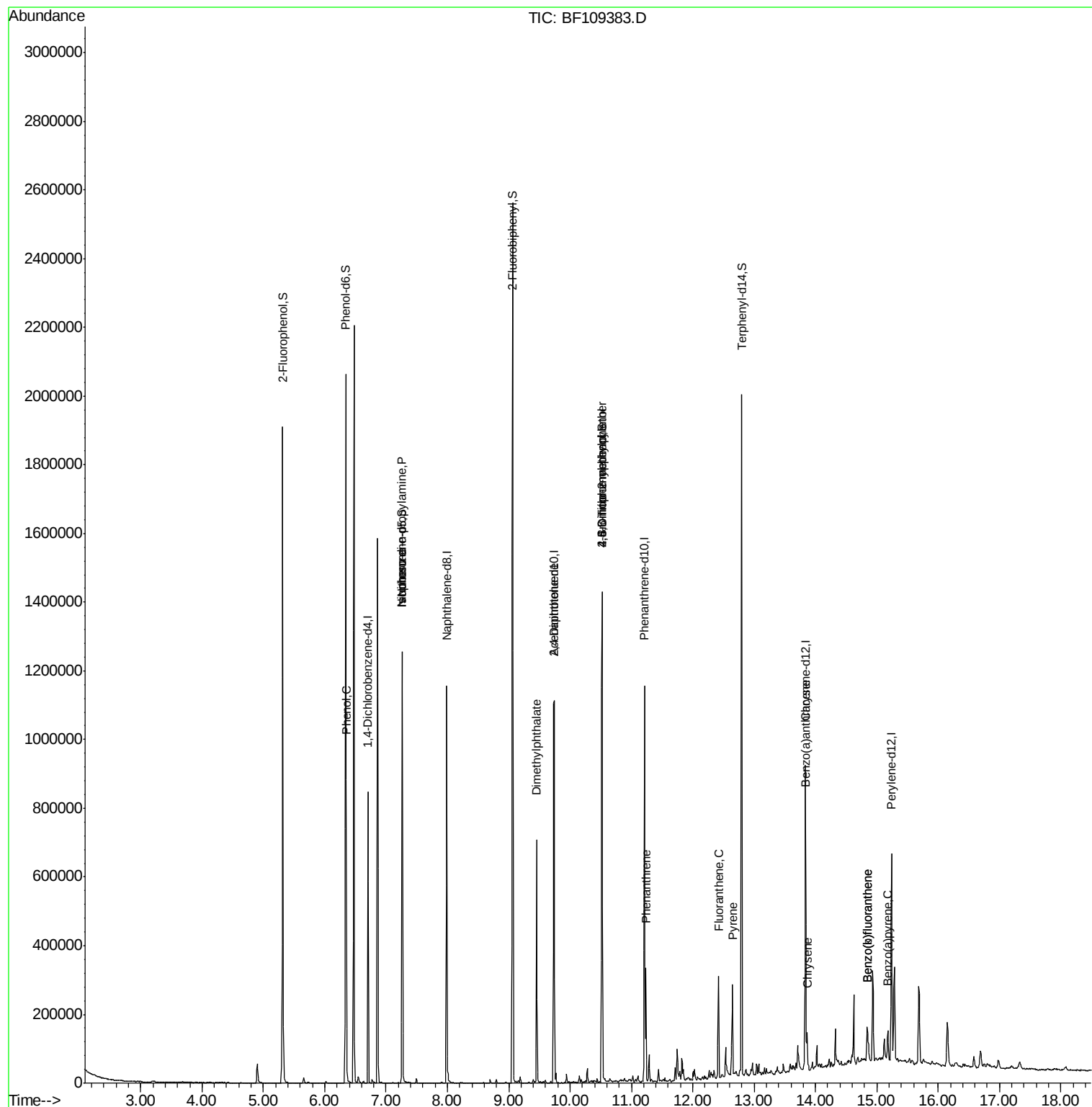
						Qvalue
10) Phenol	6.36	94	26045	2.568	ng	97
19) n-Nitroso-di-n-propylamine	7.26	70	57187	9.747	ng	# 77
25) Isophorone	7.26	82	404121	28.929	ng	# 64
49) Dimethylphthalate	9.46	163	259434	15.556	ng	99
56) 2,4-Dinitrotoluene	9.73	165	29503	7.060	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	240	6.639	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10096	2.099	ng	# 1
70) Phenanthrene	11.23	178	118578	5.482	ng	98
74) Fluoranthene	12.42	202	121018	5.236	ng	96
77) Pyrene	12.65	202	102874	5.361	ng	97
80) Benzo(a)anthracene	13.83	228	44417	2.754	ng	97
82) Chrysene	13.86	228	36857	2.306	ng	96
87) Benzo(b)fluoranthene	14.84	252	64925	4.176	ng	95
88) Benzo(k)fluoranthene	14.84	252	64925	4.401	ng	97
89) Benzo(a)pyrene	15.18	252	34738	2.480	ng	96

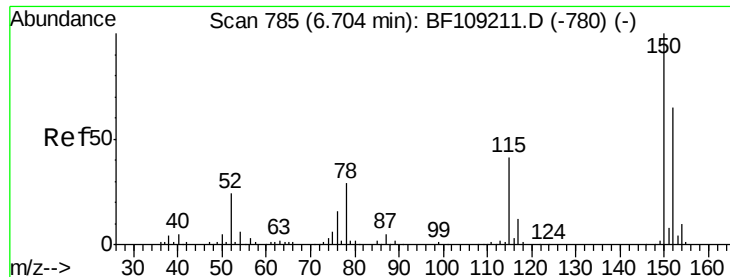
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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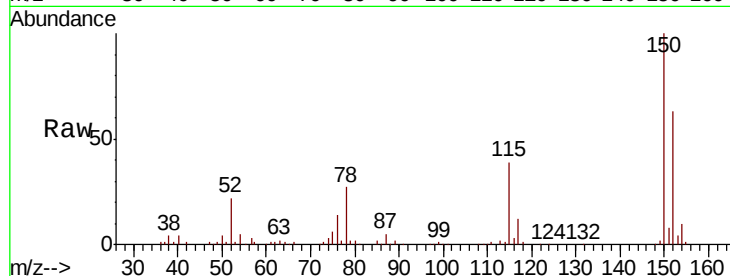


#1

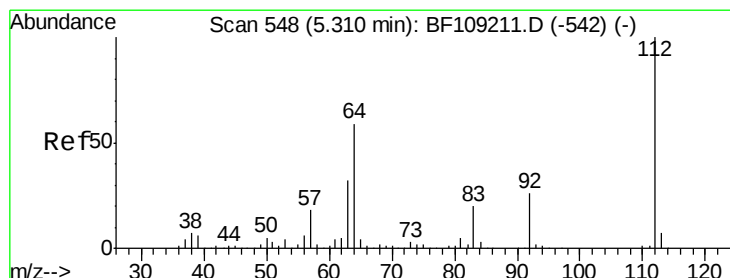
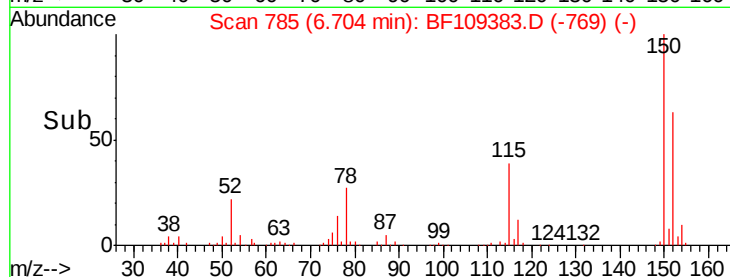
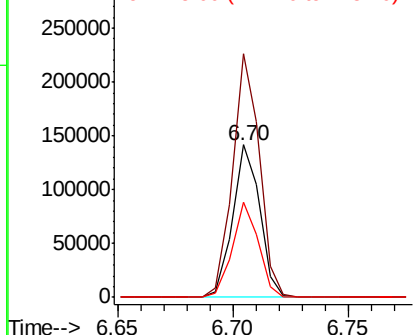
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

Instrument :
BNA_F
ClientSampleId :
EP1-Q1-HI1

Tot Ion:152 Resp: 115580
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 62.0 50.1 75.1



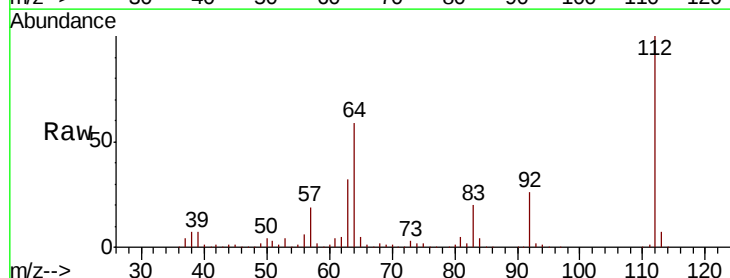
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



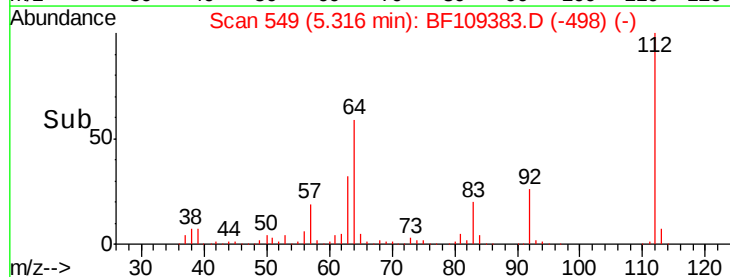
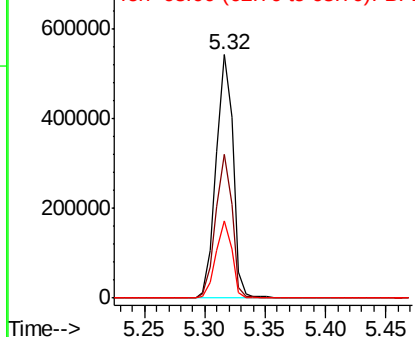
#5

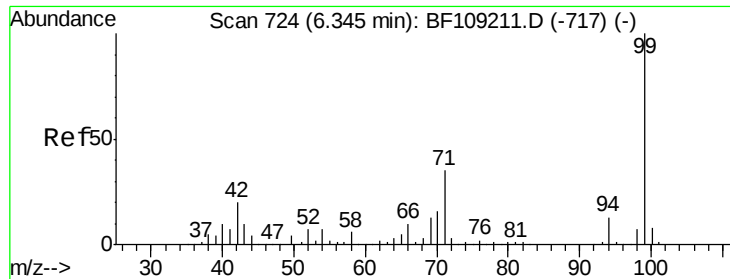
2-Fluorophenol
Concen: 74.437 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

Tgt Ion:112 Resp: 522344
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 31.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 76.092 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

Instrument :

BNA_F

ClientSampleId :

EP1-Q1-HI1

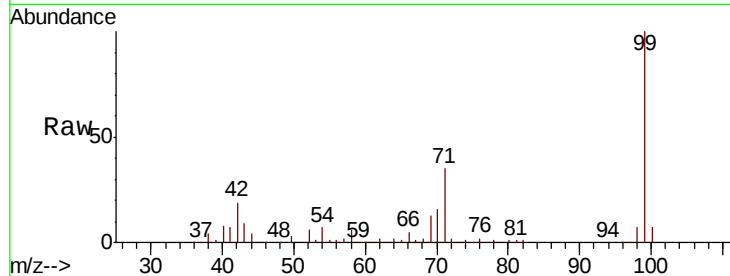
Tot Ion: 99 Resp: 681347

Ion Ratio Lower Upper

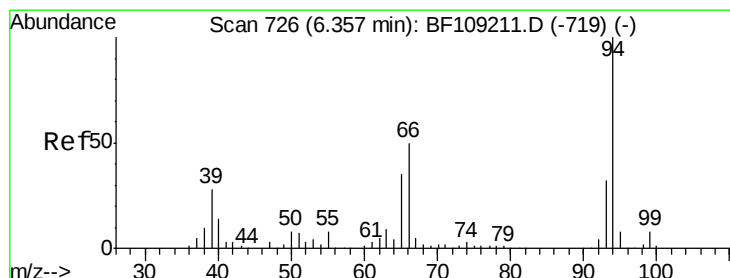
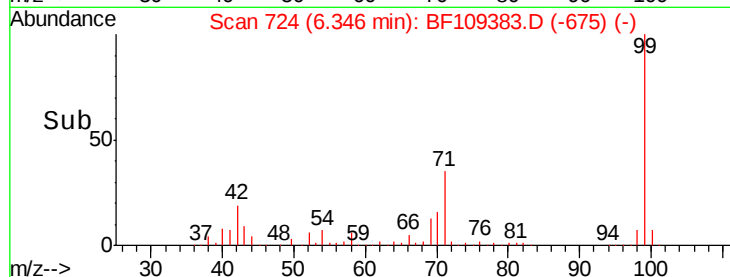
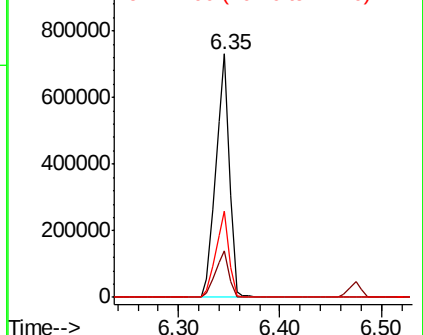
99 100

42 19.2 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



#10

Phenol

Concen: 2.568 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

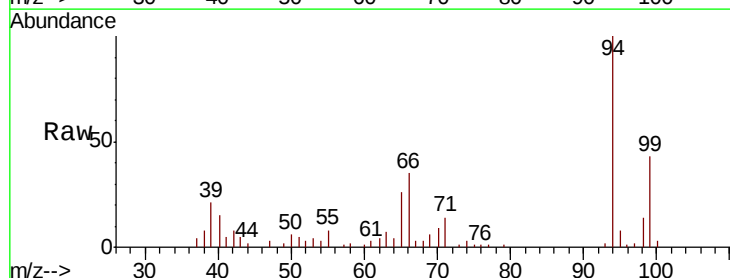
Tgt Ion: 94 Resp: 26045

Ion Ratio Lower Upper

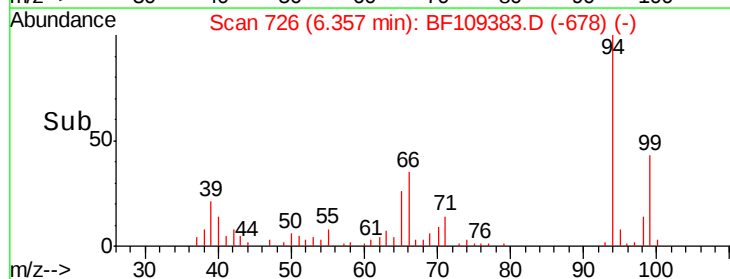
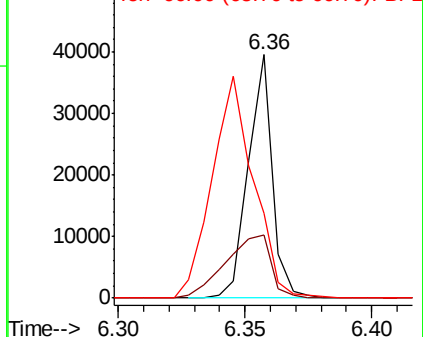
94 100

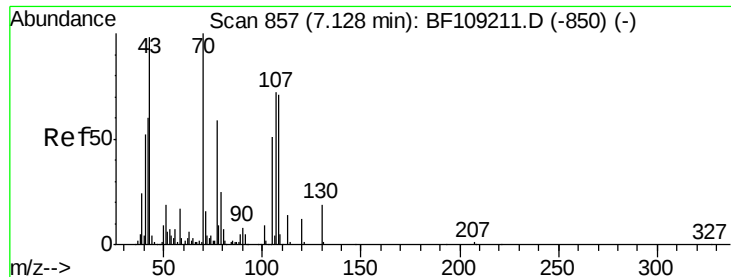
65 25.9 7.9 47.9

66 34.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

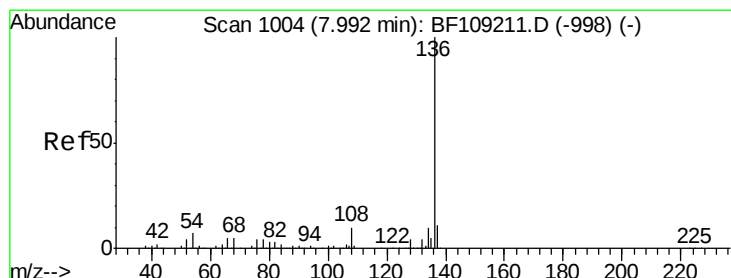
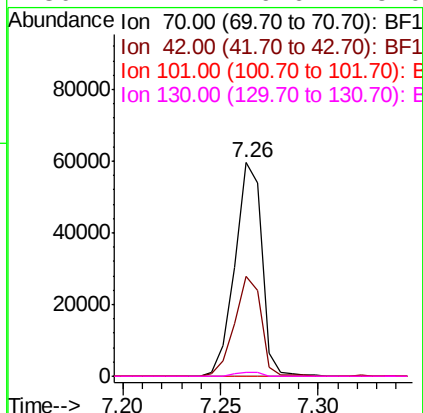
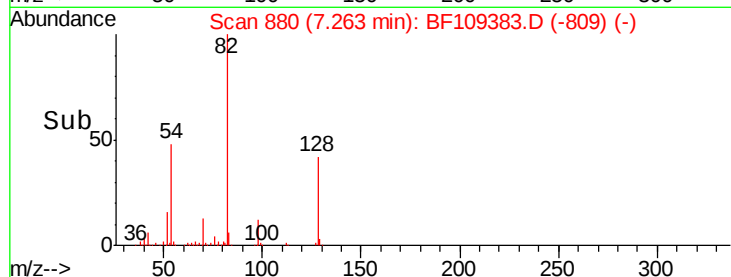
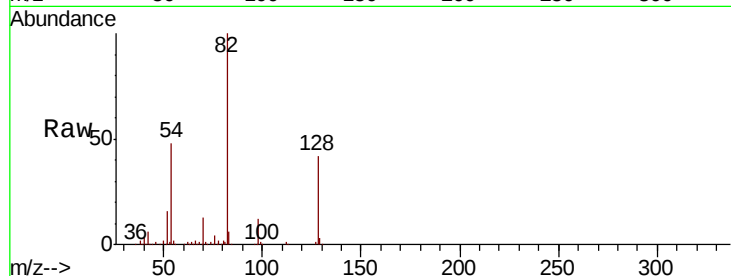




#19
n-Nitroso-di-n-propylamine
Concen: 9.747 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

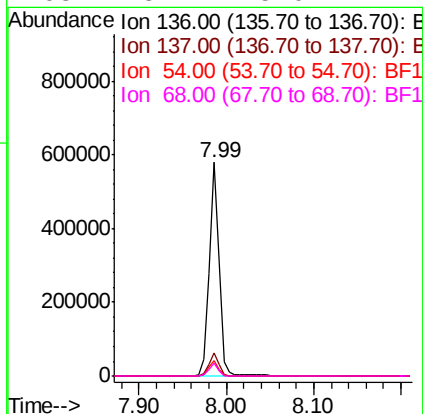
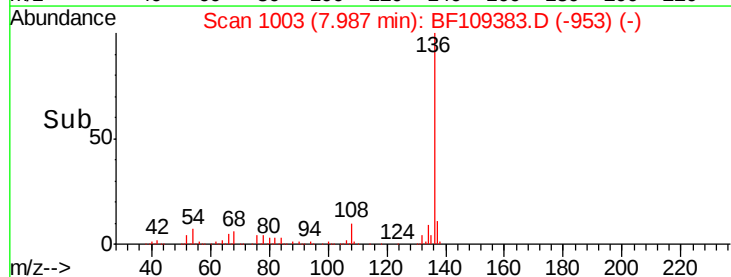
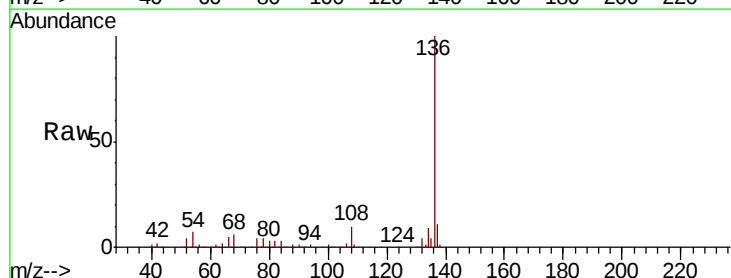
Instrument :
BNA_F
ClientSampleId :
EP1-Q1-HI1

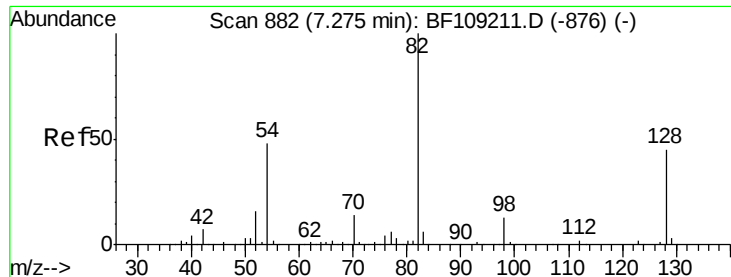
Tot Ion: 70 Resp: 57187
Ion Ratio Lower Upper
70 100
42 46.8 47.5 71.3#
101 0.0 7.4 11.2#
130 1.7 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

Tgt Ion: 136 Resp: 457938
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.2 6.6 9.8
68 5.7 5.0 7.4

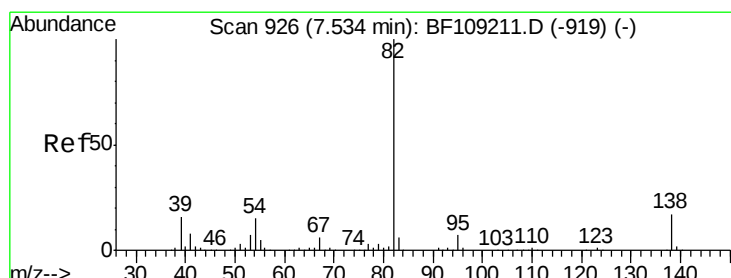
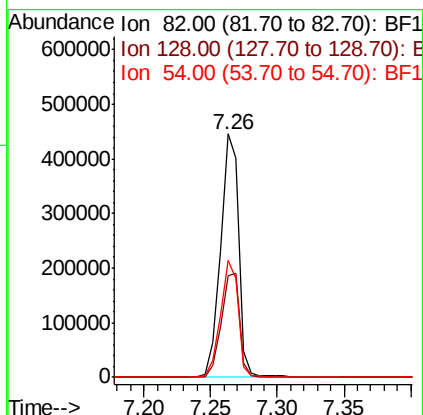
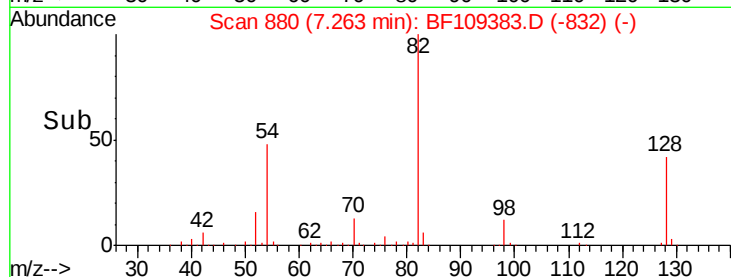
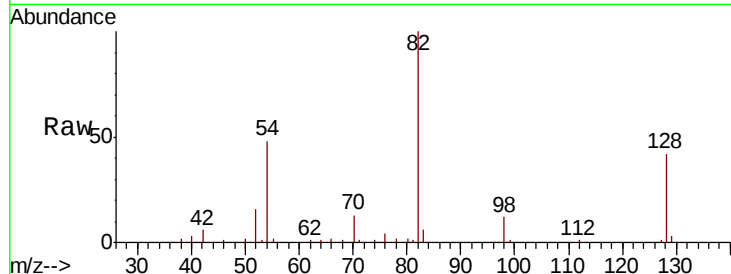




#23
 Nitrobenzene-d5
 Concen: 55.618 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109383.D
 Acq: 27 Sep 2018 13:35

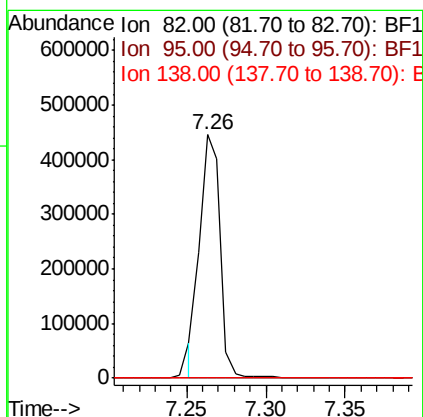
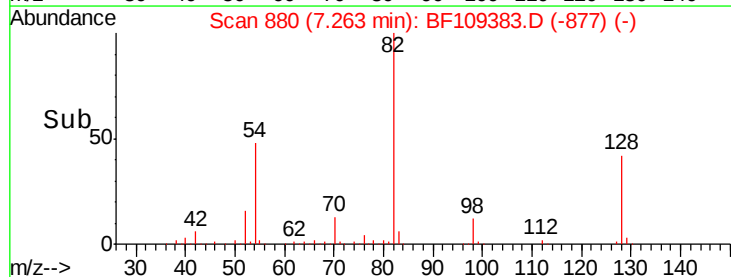
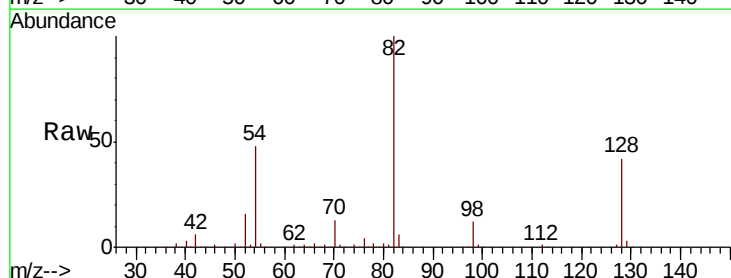
Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q1-HI1

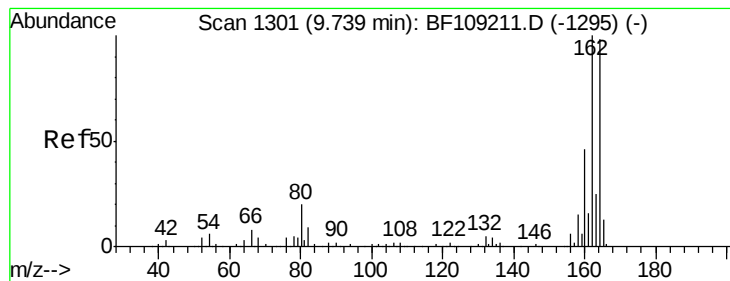
Tot Ion	82	Resp	431456
Ion Ratio	100	Lower	Upper
128	41.9	36.1	54.1
54	48.2	41.4	62.2



#25
 Isophorone
 Concen: 28.929 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109383.D
 Acq: 27 Sep 2018 13:35

Tgt Ion	82	Resp	404121
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

Instrument :

BNA_F

ClientSampleId :

EP1-Q1-HI1

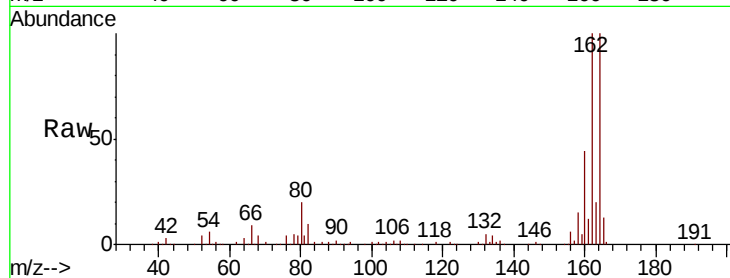
Tot Ion:164 Resp: 229288

Ion Ratio Lower Upper

164 100

162 100.3 86.1 129.1

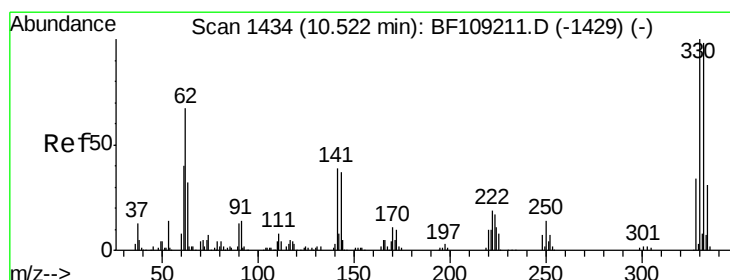
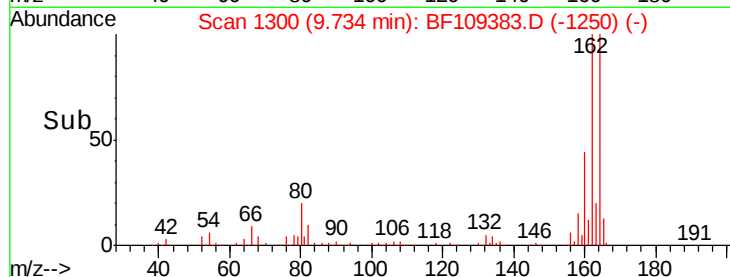
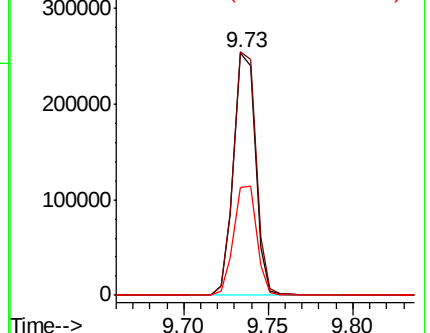
160 44.6 38.3 57.5



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: 71.855 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

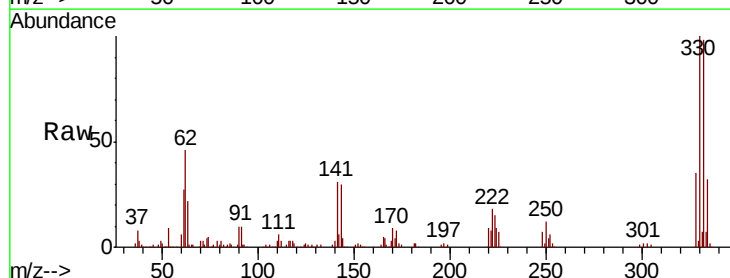
Tgt Ion:330 Resp: 162414

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

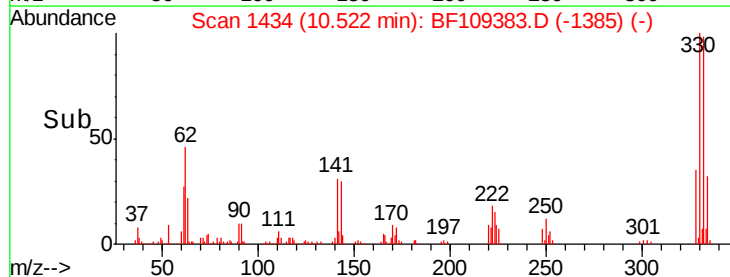
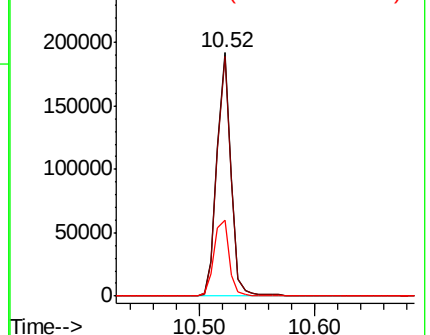
141 33.9 29.9 44.9

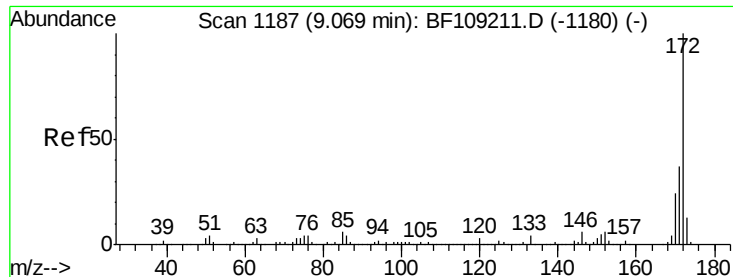


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

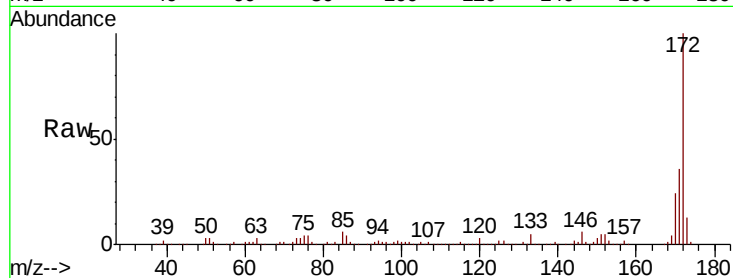




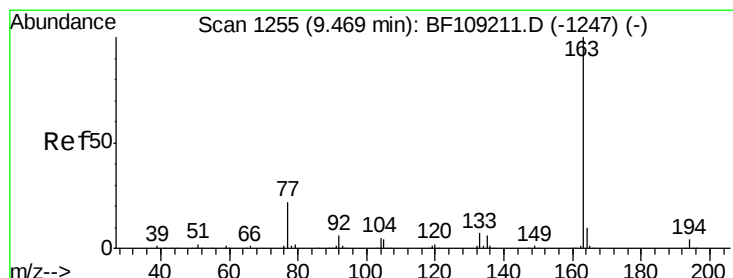
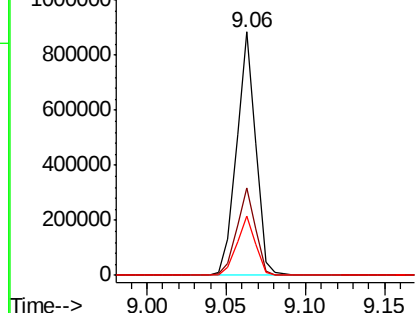
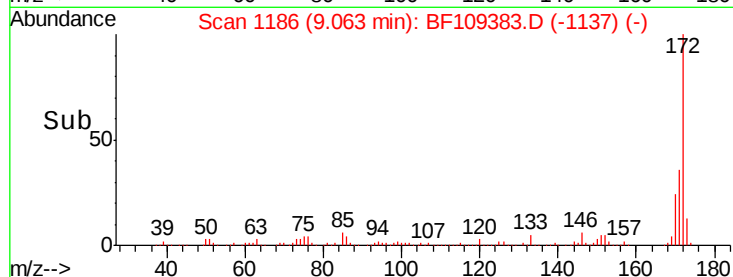
#44
2-Fluorobiphenyl
Concen: 48.699 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

Instrument :
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ClientSampleId :
EP1-Q1-HI1

Tot Ion:172 Resp: 740359
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.4 19.6 29.4

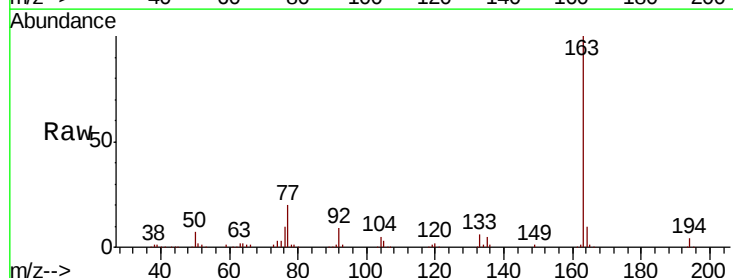


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

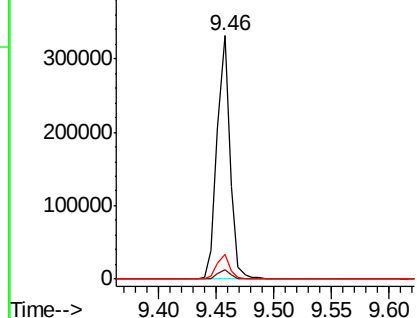
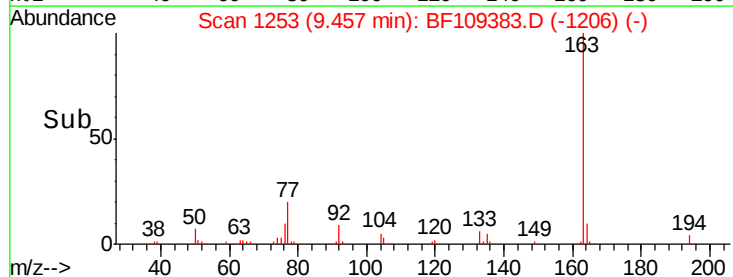


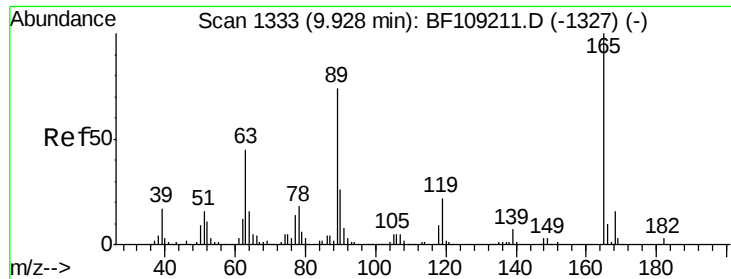
#49
Dimethylphthalate
Concen: 15.556 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

Tgt Ion:163 Resp: 259434
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.0 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

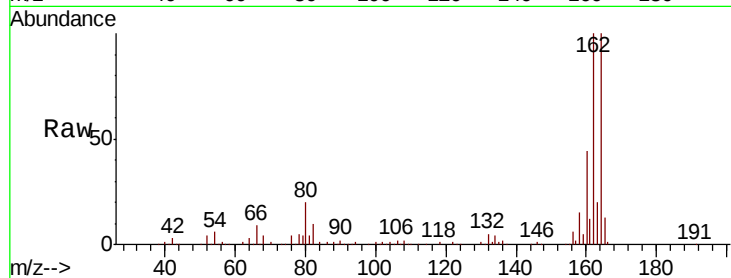




#56
 2,4-Dinitrotoluene
 Concen: 7.060 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109383.D
 Acq: 27 Sep 2018 13:35

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q1-HI1

Tot Ion:165	Resp:	29503
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#

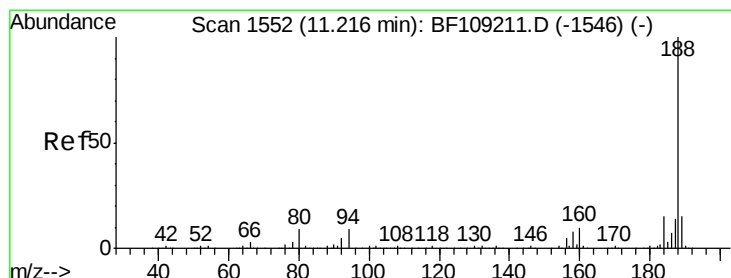
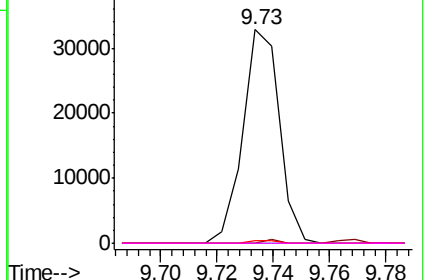
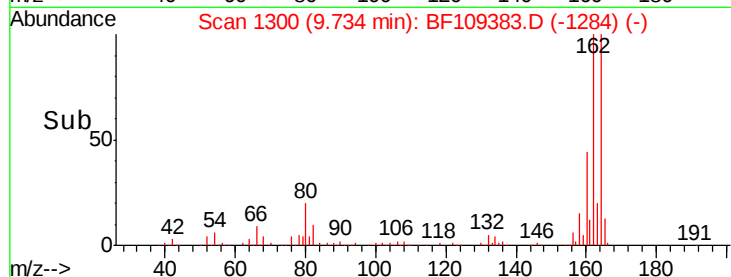


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

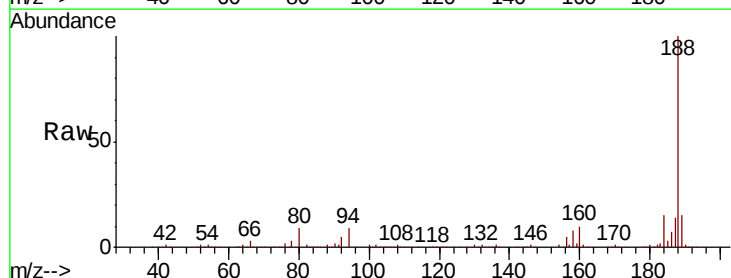
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109383.D
 Acq: 27 Sep 2018 13:35

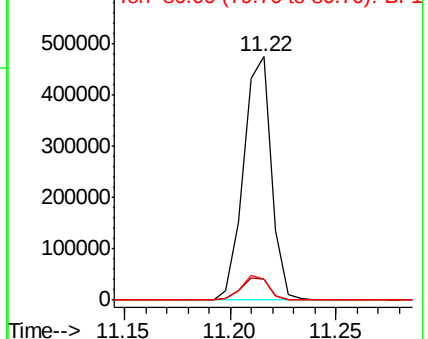
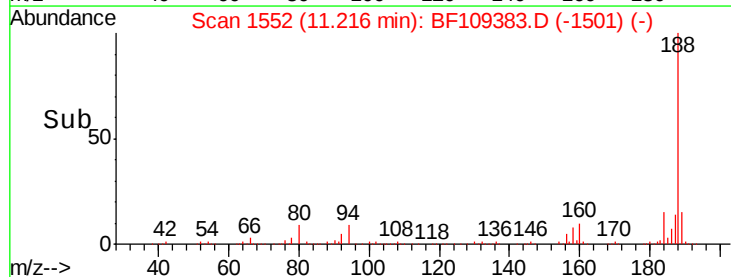
Tgt Ion:188	Resp:	433185
Ion Ratio	Lower	Upper
188	100	
94	8.8	8.5 12.7
80	8.8	9.2 13.8#

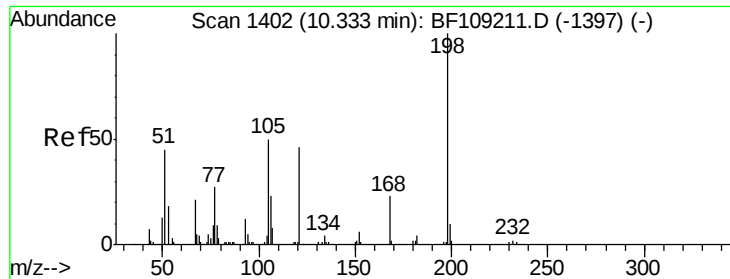


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

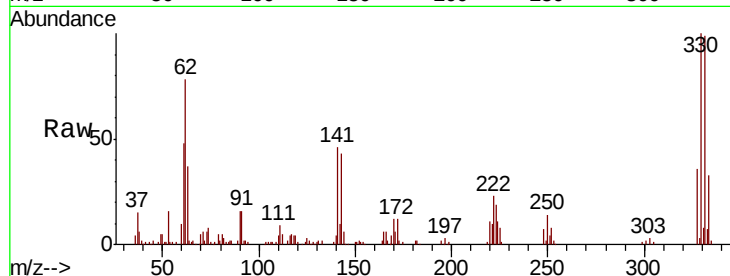




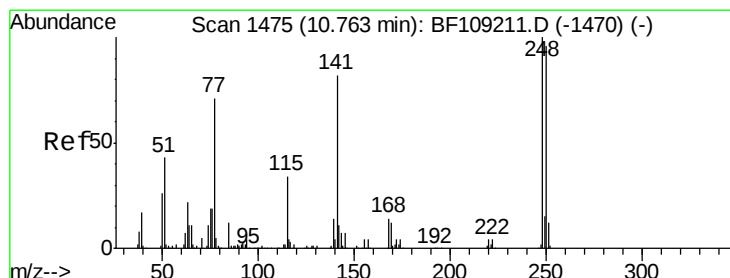
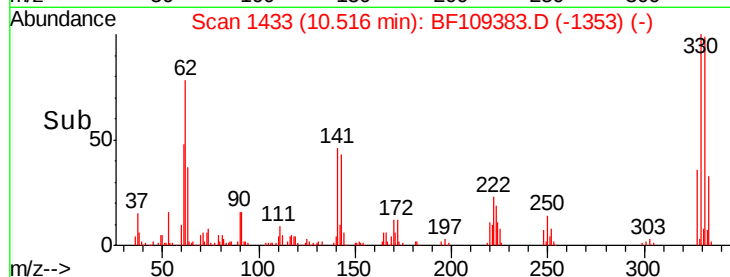
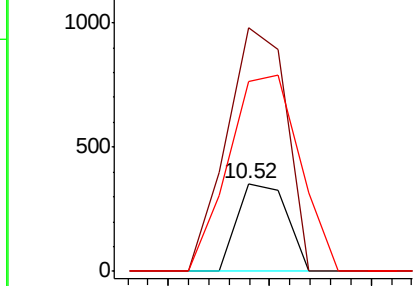
#64
4,6-Dinitro-2-methylphenol
Concen: 6.639 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.17 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

Instrument :
BNA_F
ClientSampleId :
EP1-Q1-HI1

Tot Ion:198 Resp: 240
Ion Ratio Lower Upper
198 100
51 277.3 37.7 77.7#
105 216.1 36.3 76.3#

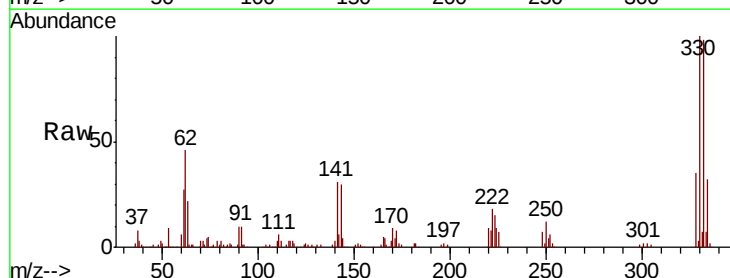


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

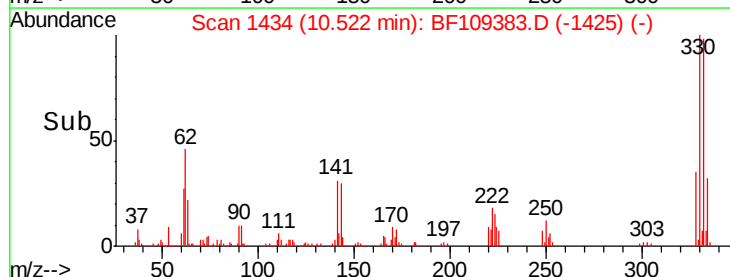
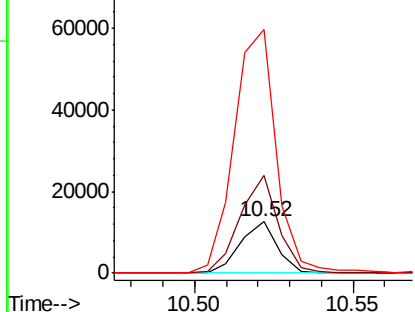


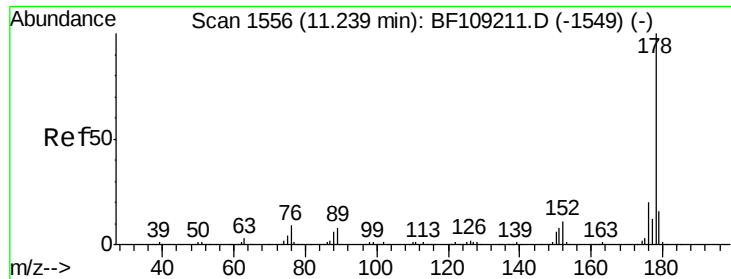
#66
4-Bromophenyl-phenylether
Concen: 2.099 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

Tgt Ion:248 Resp: 10096
Ion Ratio Lower Upper
248 100
250 190.7 76.9 115.3#
141 475.7 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

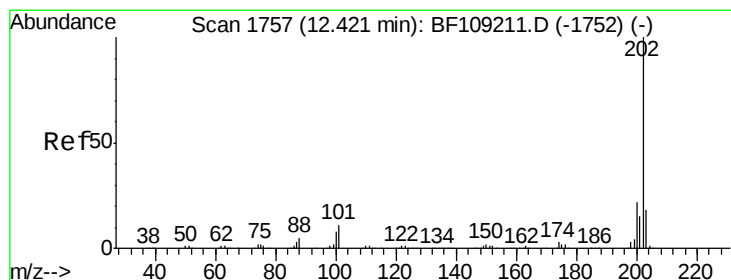
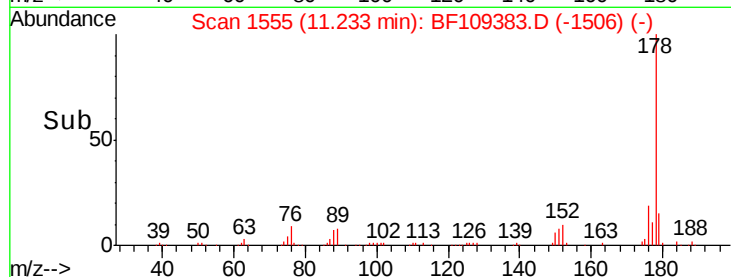
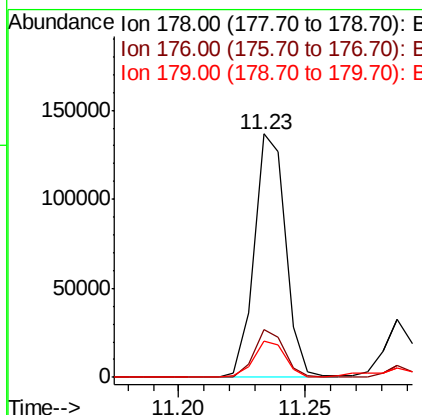
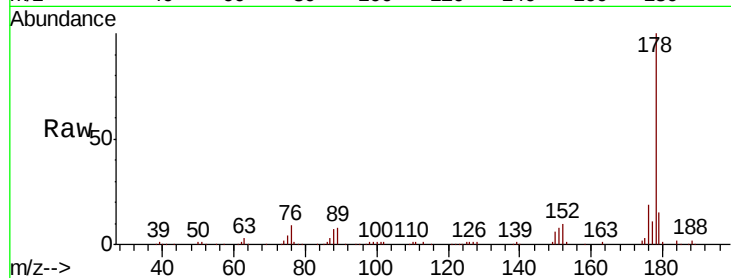




#70
Phenanthrene
Concen: 5.482 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

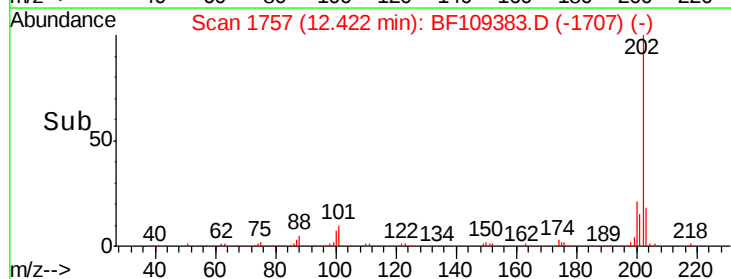
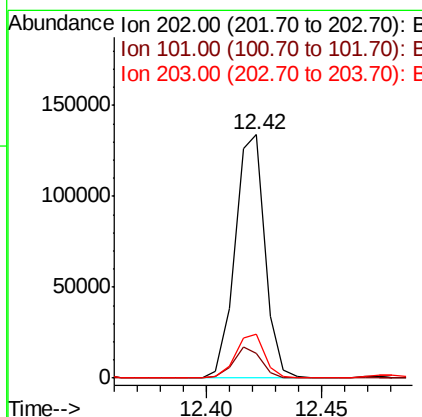
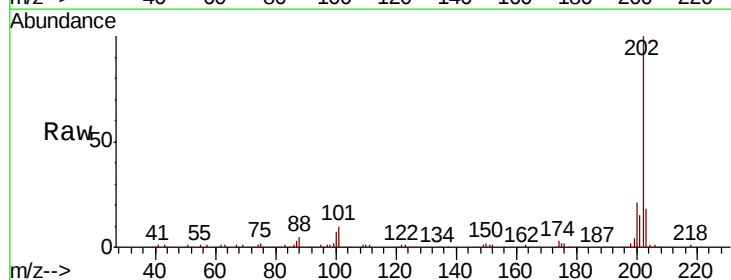
Instrument :
BNA_F
ClientSampleId :
EP1-Q1-HI1

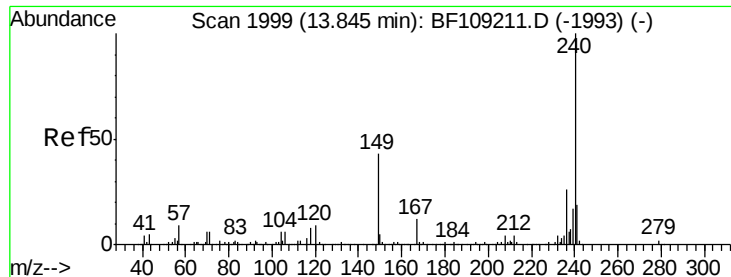
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.0	13.0	19.6



#74
Fluoranthene
Concen: 5.236 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109383.D
Acq: 27 Sep 2018 13:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

Instrument :

BNA_F

ClientSampleId :

EP1-Q1-HI1

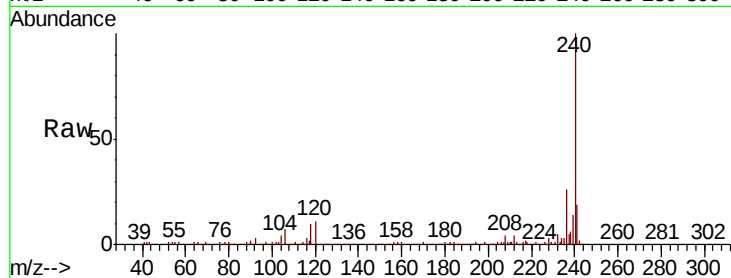
Tot Ion:240 Resp: 267743

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

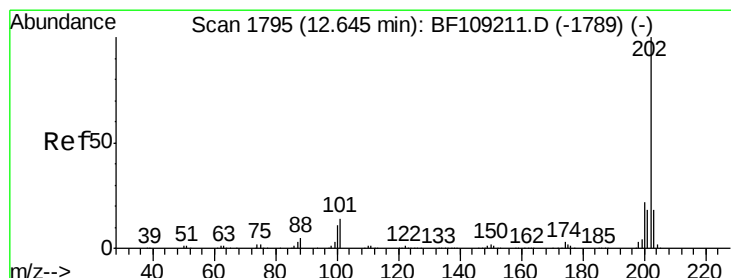
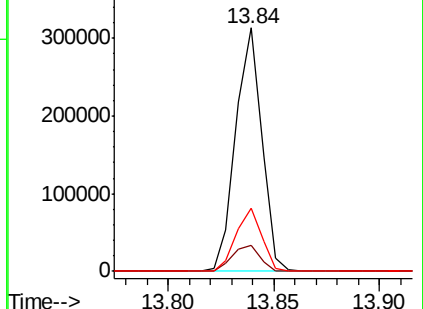
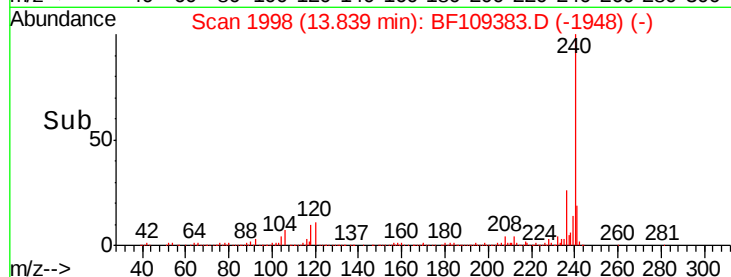
236 26.0 20.7 31.1



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

Pyrene

Concen: 5.361 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

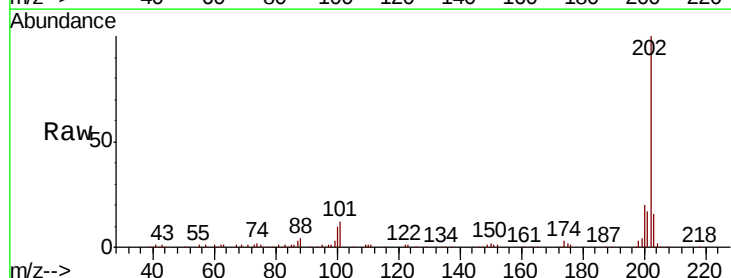
Tgt Ion:202 Resp: 102874

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

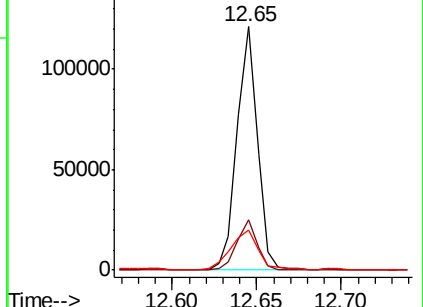
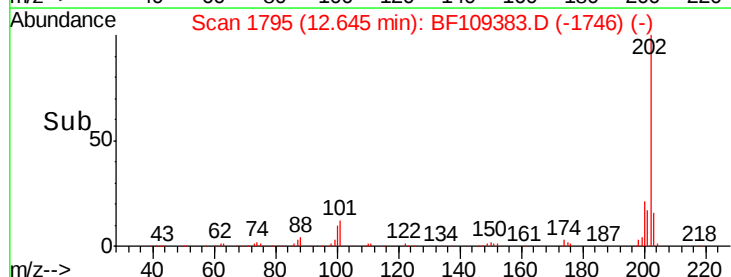
203 16.5 14.3 21.5

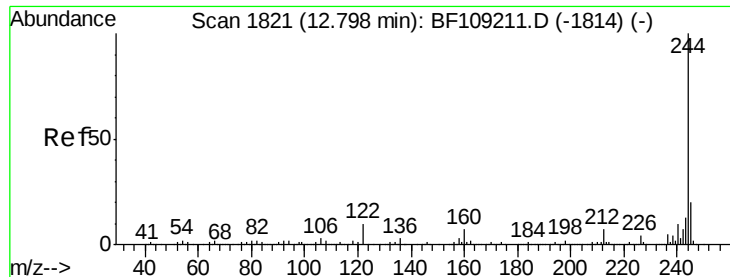


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.958 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

Instrument :

BNA_F

ClientSampleId :

EP1-Q1-HI1

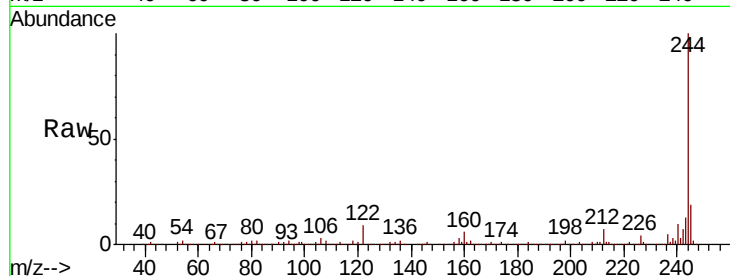
Tot Ion:244 Resp: 686851

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

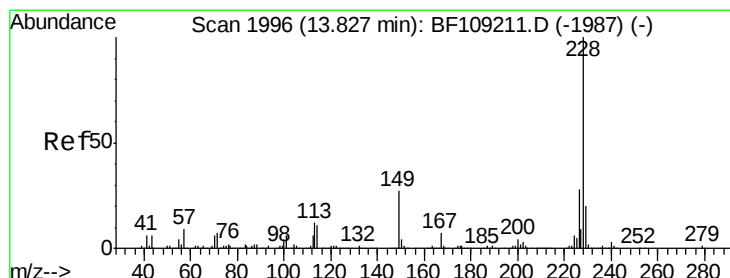
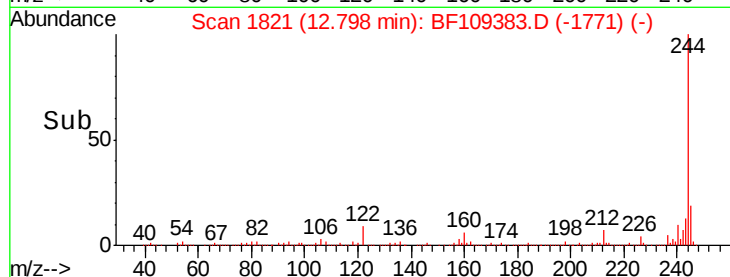
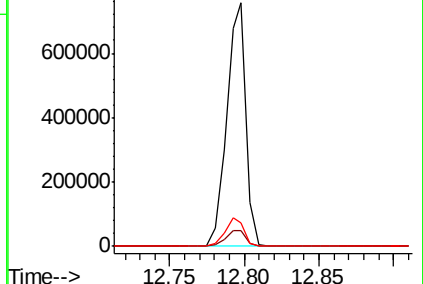
122 9.5 11.0 16.4#



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: 2.754 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

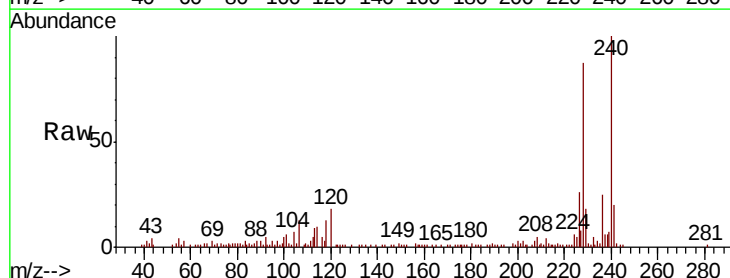
Tgt Ion:228 Resp: 44417

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

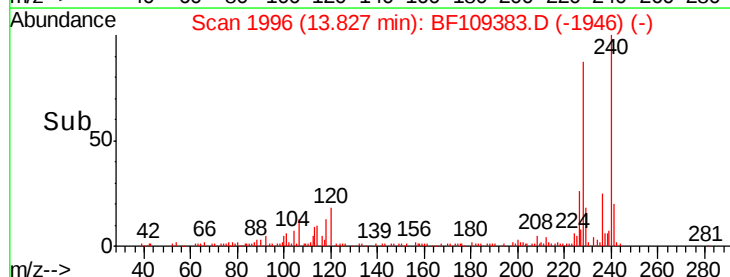
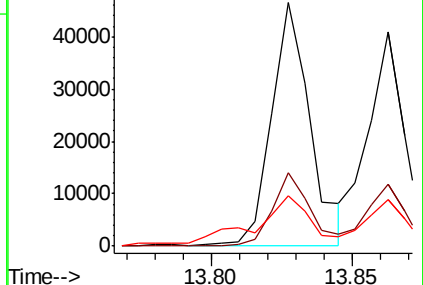
229 20.5 15.8 23.6

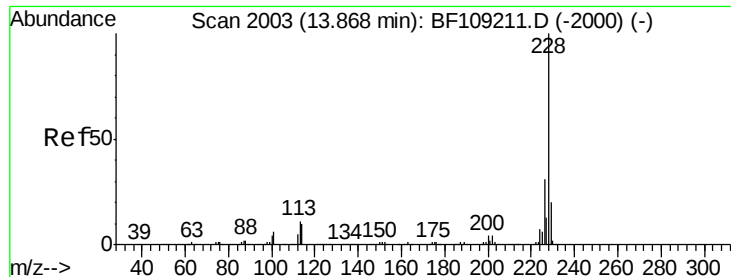


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.306 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

Instrument :

BNA_F

ClientSampleId :

EP1-Q1-HI1

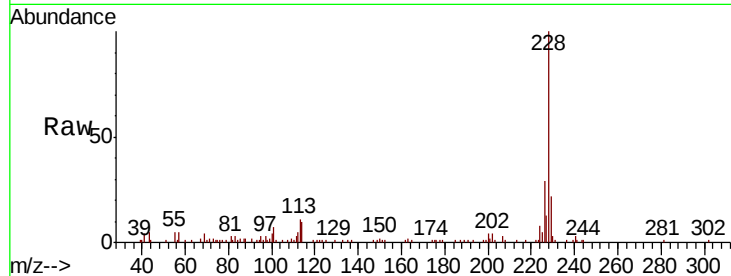
Tot Ion:228 Resp: 36857

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

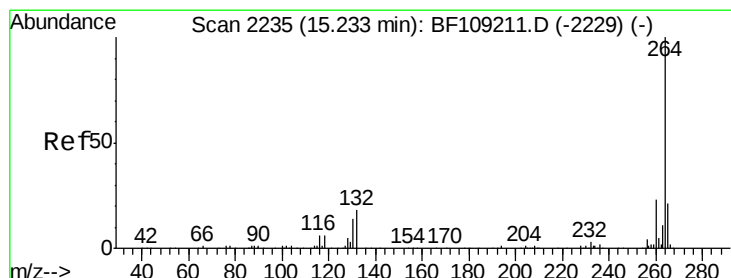
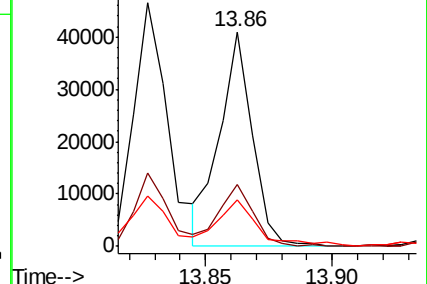
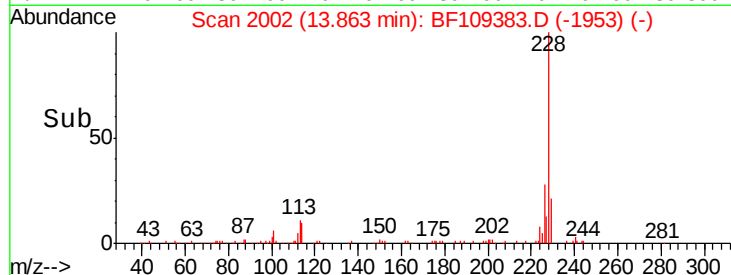
229 21.8 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

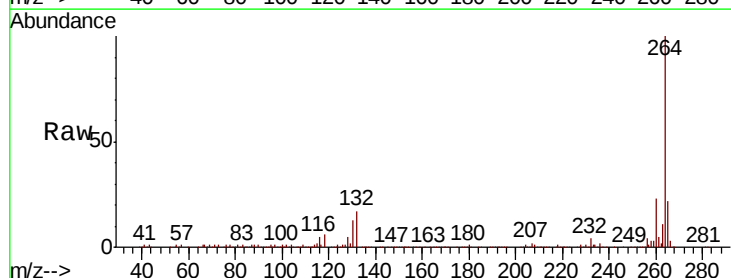
Tgt Ion:264 Resp: 282937

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

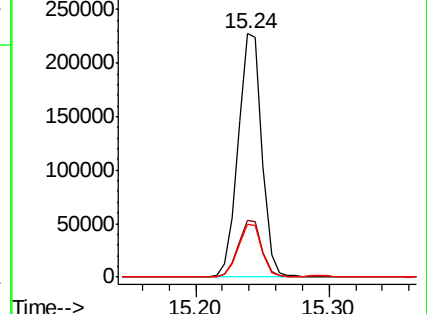
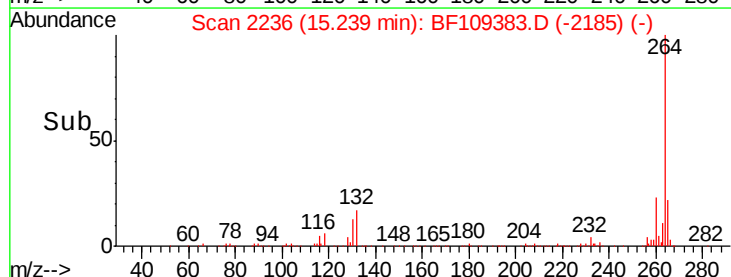
265 21.6 17.5 26.3

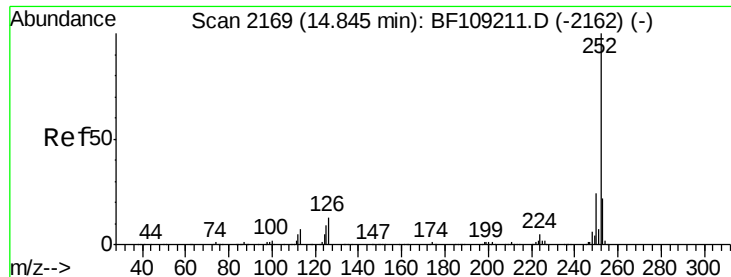


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.176 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

Instrument :

BNA_F

ClientSampleId :

EP1-Q1-HI1

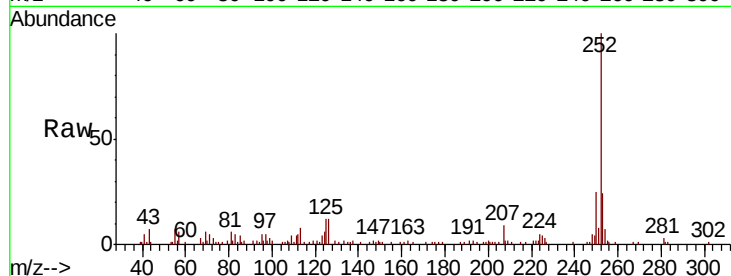
Tot Ion:252 Resp: 64925

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.6

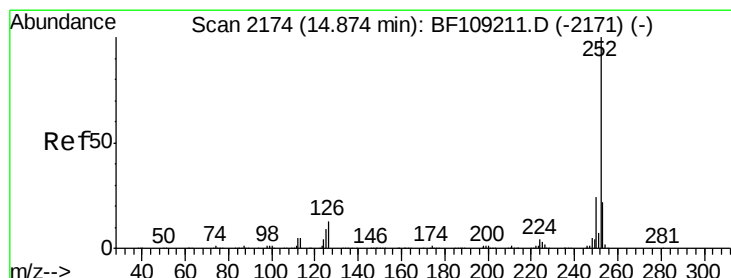
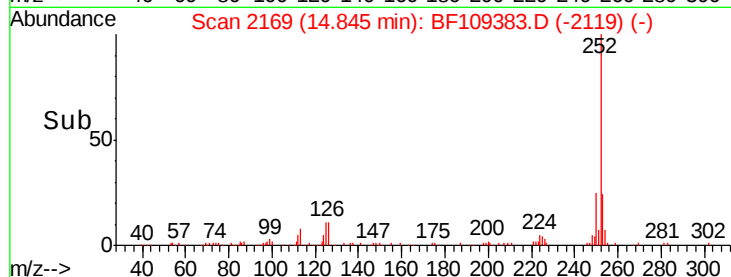
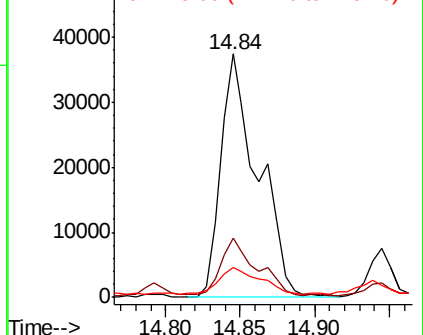
125 12.2 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.401 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109383.D

Acq: 27 Sep 2018 13:35

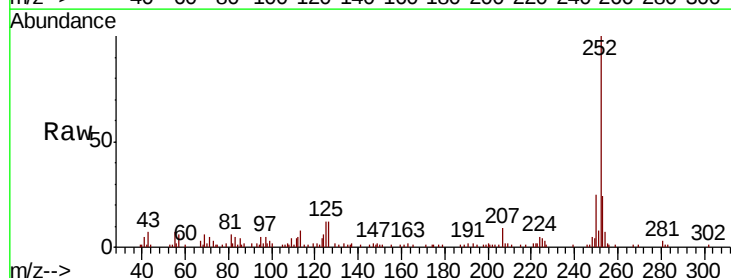
Tgt Ion:252 Resp: 64925

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

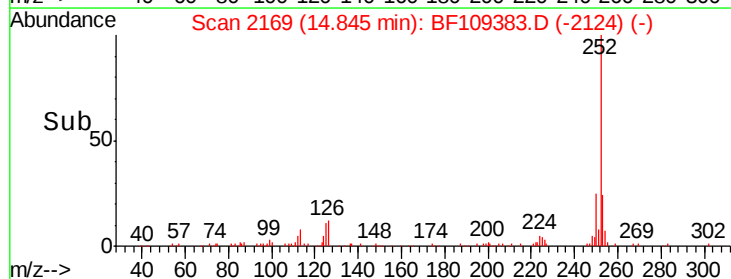
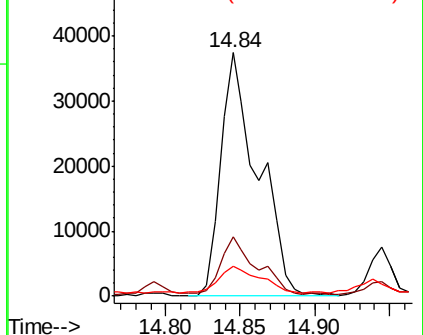
125 12.2 10.2 15.2

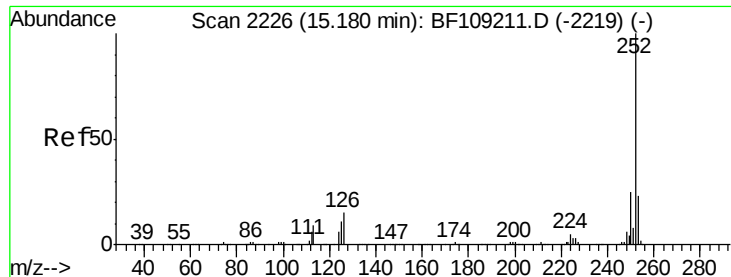


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 2.480 ng
 RT: 15.18 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BF109383.D
 Acq: 27 Sep 2018 13:35

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q1-HI1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	12.2	9.8	14.6

