

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108741.D
 Acq On : 4 Sep 2018 15:26
 Operator : JU/SJ
 Sample : J4712-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 16:39:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	70546	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	272526	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	127178	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	273642	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	231093	20.00	ng	-0.01
86) Perylene-d12	15.74	264	156255	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	286325	70.51	ng	-0.02
7) Phenol-d6	6.62	99	493934	84.92	ng	-0.02
23) Nitrobenzene-d5	7.56	82	339526	63.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.83	330	137703	82.02	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	636183	67.26	ng	-0.02
78) Terphenyl-d14	13.11	244	759601	63.86	ng	-0.02

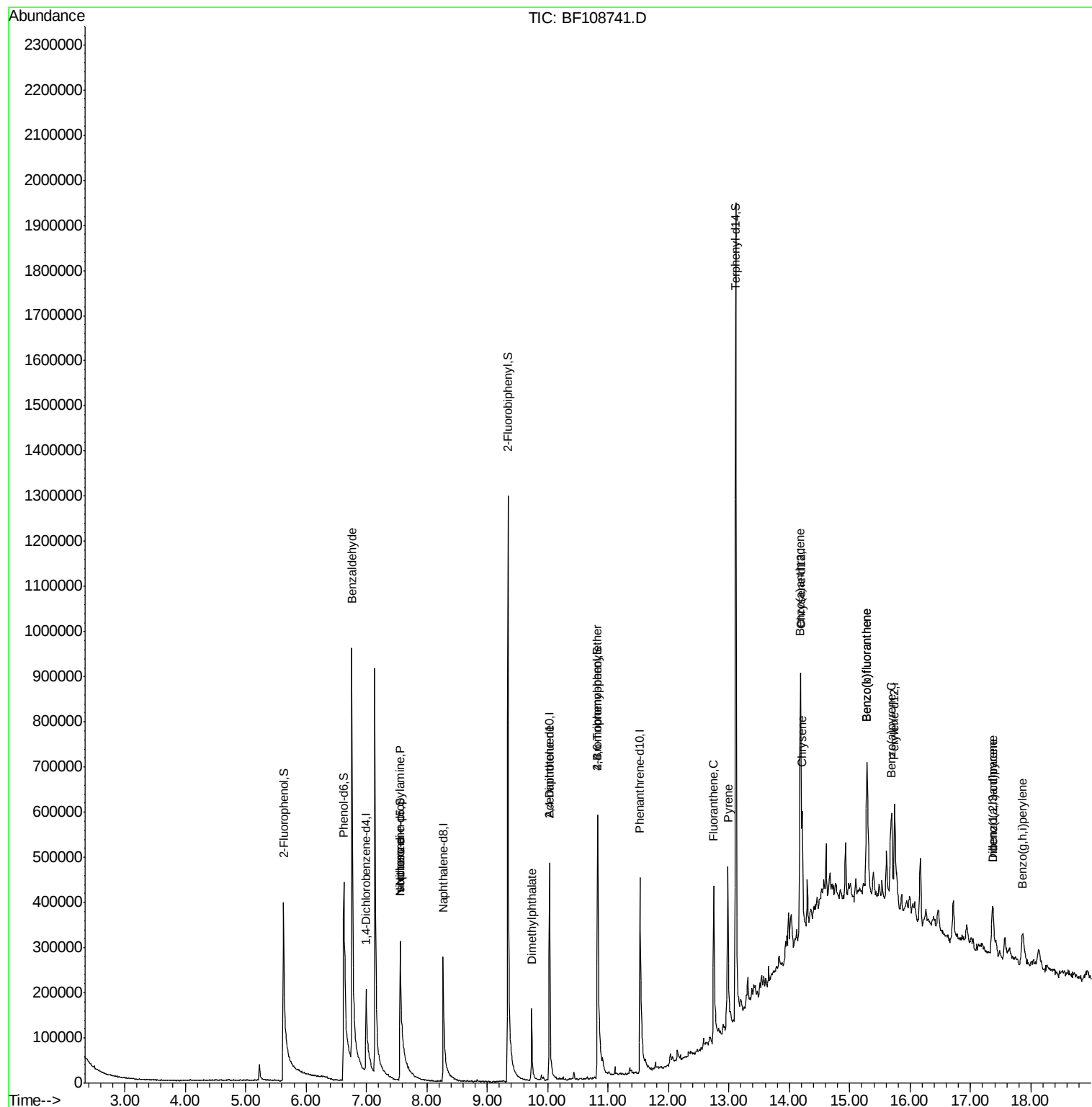
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.76	77	9215	2.563	ng	# 71
19) n-Nitroso-di-n-propylamine	7.56	70	39580	10.162	ng	# 87
25) Isophorone	7.56	82	343453	38.508	ng	# 64
49) Dimethylphthalate	9.74	163	93775	9.364	ng	100
56) 2,4-Dinitrotoluene	10.03	165	16113	5.513	ng	# 21
66) 4-Bromophenyl-phenylether	10.83	248	8569	2.548	ng	# 1
74) Fluoranthene	12.75	202	208020	13.380	ng	94
77) Pyrene	12.98	202	218760	12.593	ng	99
80) Benzo(a)anthracene	14.18	228	135216	9.598	ng	98
82) Chrysene	14.21	228	119270	8.803	ng	97
85) Indeno(1,2,3-cd)pyrene	17.37	276	78983	8.384	ng	# 81
87) Benzo(b)fluoranthene	15.28	252	234061	24.385	ng	96
88) Benzo(k)fluoranthene	15.28	252	234061	24.616	ng	96
89) Benzo(a)pyrene	15.68	252	115674	13.335	ng	96
90) Dibenzo(a,h)anthracene	17.37	278	14988	2.163	ng	# 83
91) Benzo(g,h,i)perylene	17.86	276	83312	12.373	ng	# 87

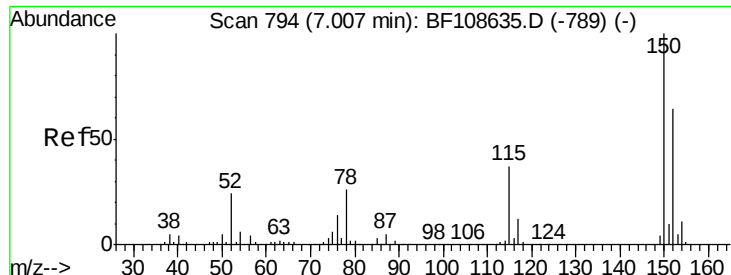
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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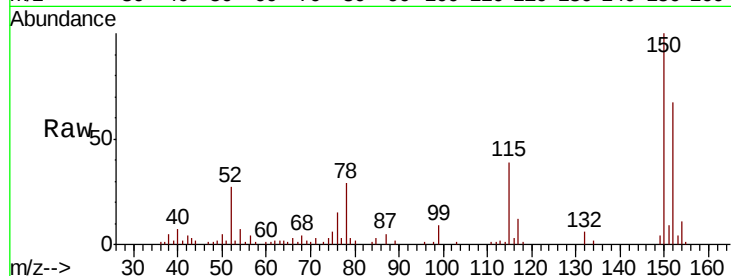


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.4	124.6	186.8
115	59.0	50.1	75.1

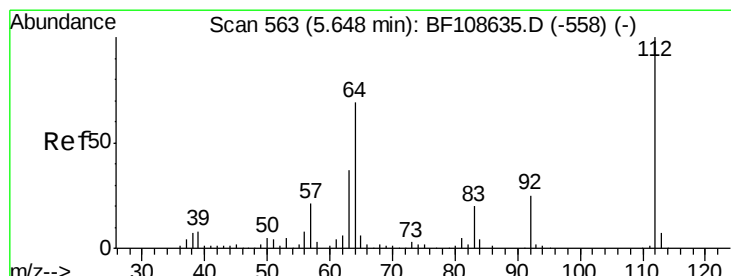
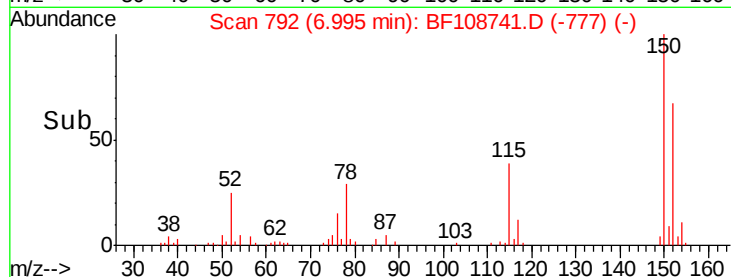
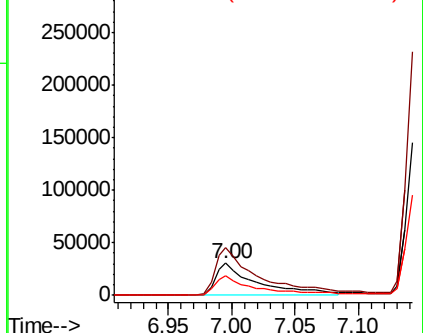


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

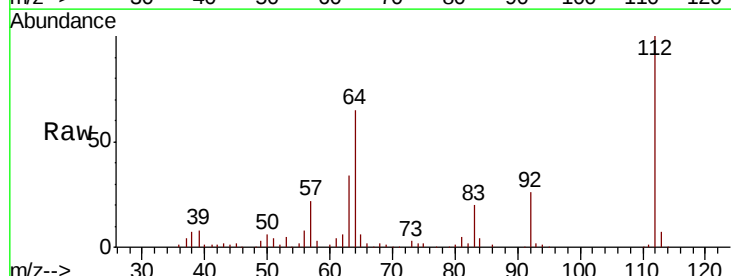
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.508 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	34.4	23.7	35.5

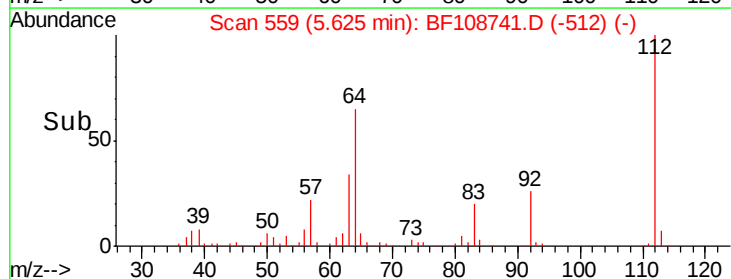
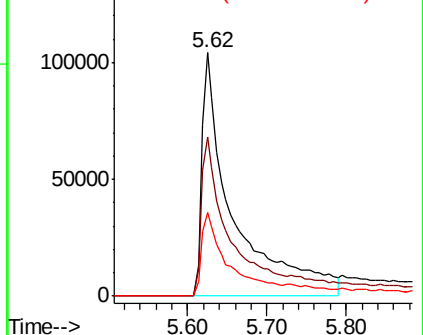


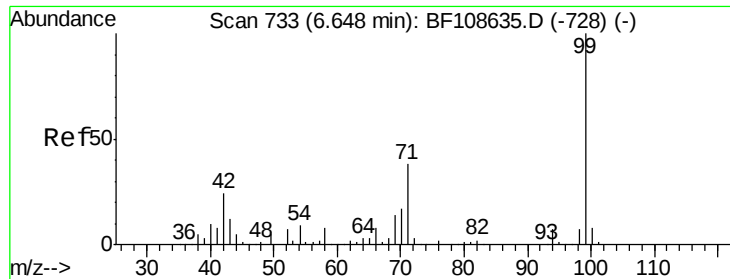
Abundance

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: 84.923 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108741.D

Acq: 4 Sep 2018 15:26

Instrument :

BNA_F

ClientSampleId :

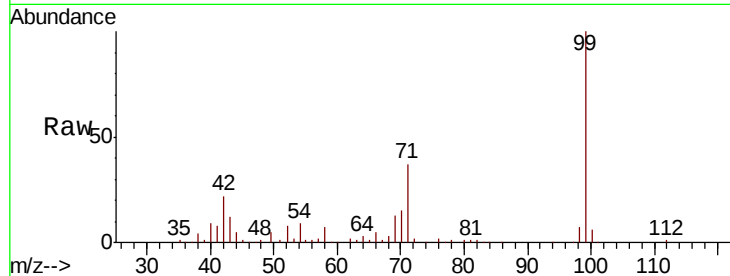
Tot Ion: 99 Resp: 493934

Ion Ratio Lower Upper

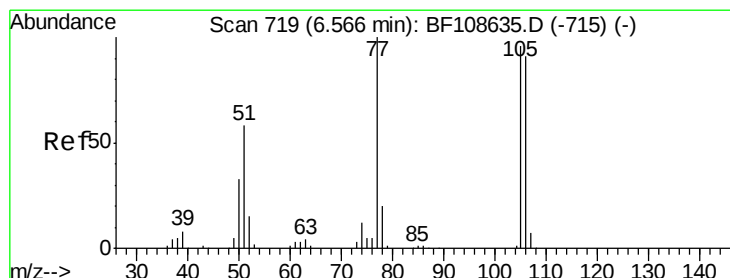
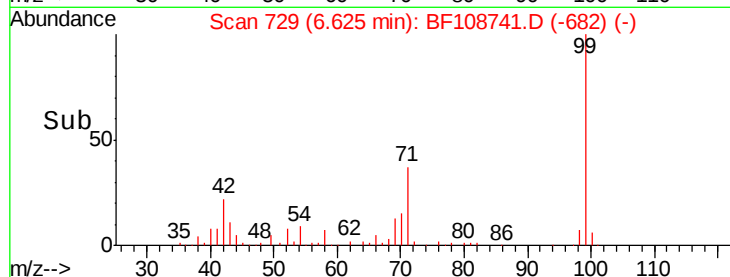
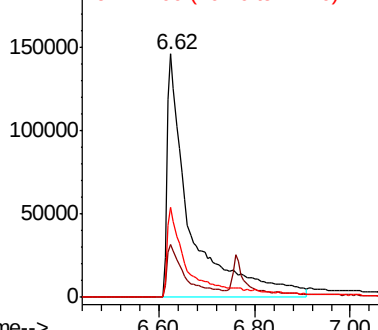
99 100

42 21.8 14.5 21.7#

71 36.8 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



#9

Benzaldehyde

Concen: 2.563 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.19 min

Lab File: BF108741.D

Acq: 4 Sep 2018 15:26

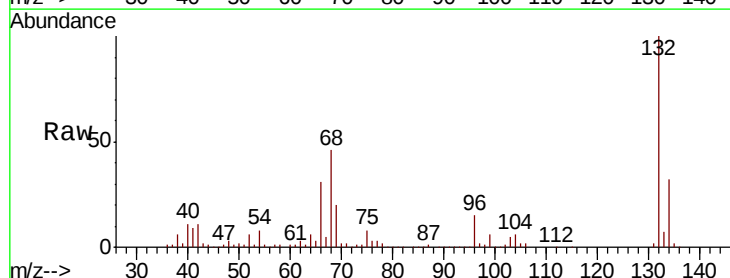
Tgt Ion: 77 Resp: 9215

Ion Ratio Lower Upper

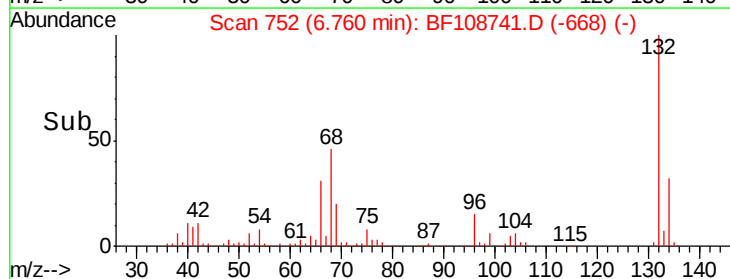
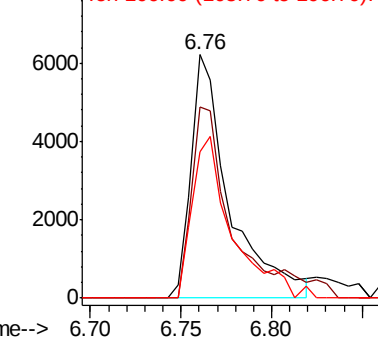
77 100

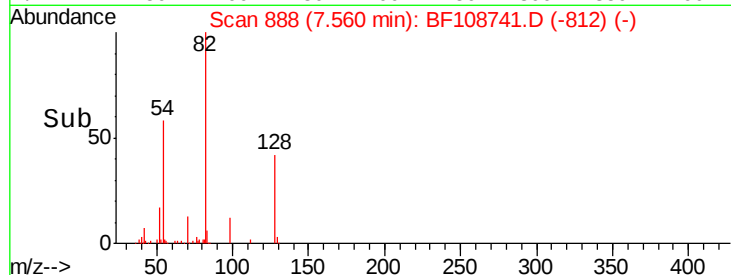
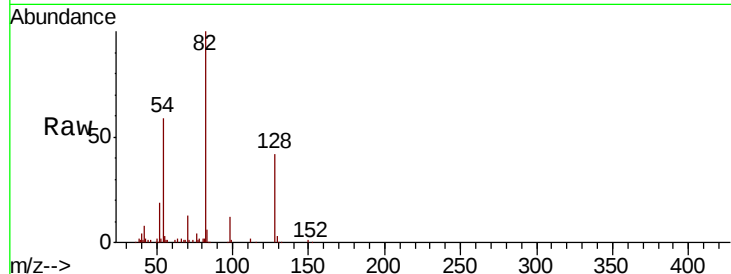
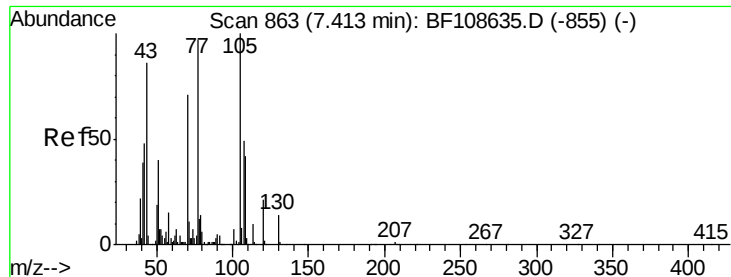
105 78.5 81.1 121.1#

106 60.2 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

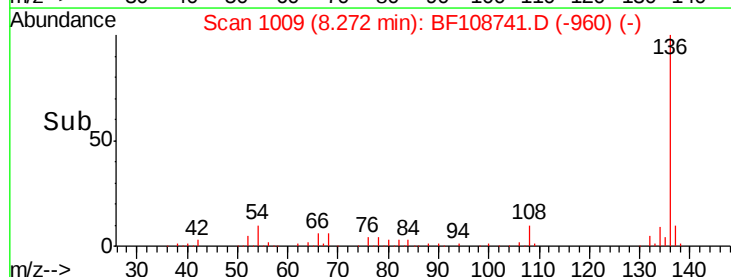
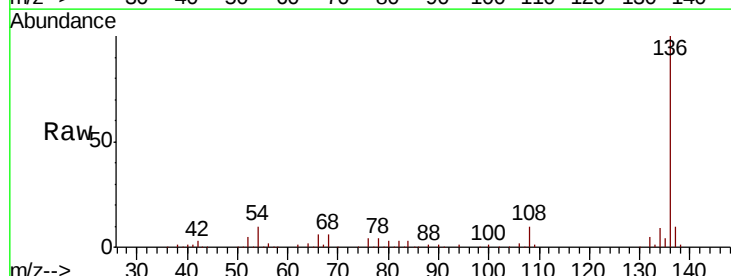
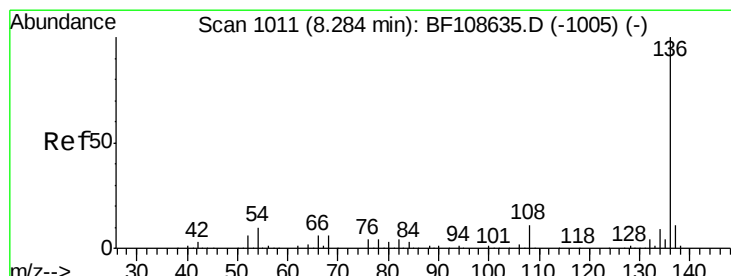
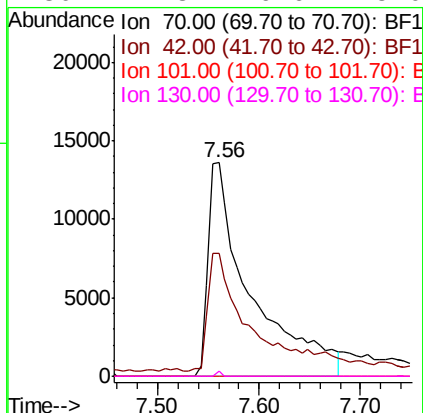




#19
n-Nitroso-di-n-propylamine
Concen: 10.162 ng
RT: 7.56 min Scan# 888
Delta R.T. 0.15 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

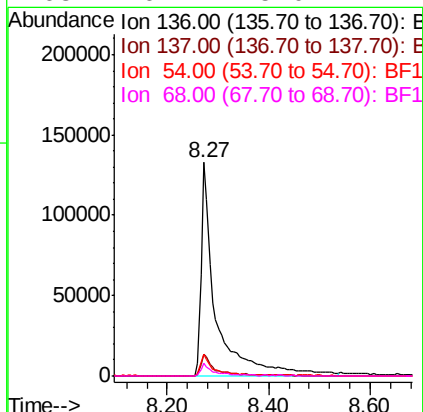
Instrument :
BNA_F
ClientSampleId :

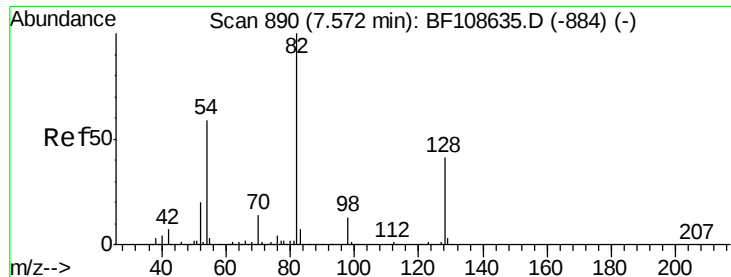
Tot Ion:	70	Resp:	39580
Ion	Ratio	Lower	Upper
70	100		
42	57.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:	136	Resp:	272526
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	10.3	6.6	9.8#
68	6.1	5.0	7.4

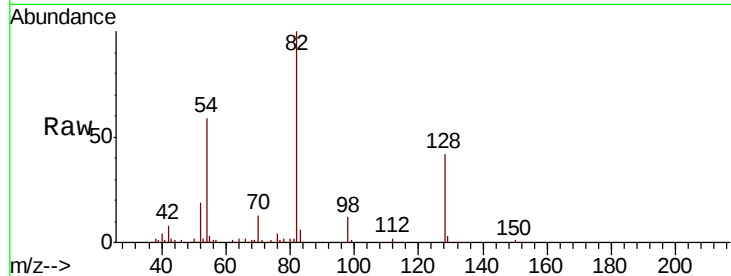




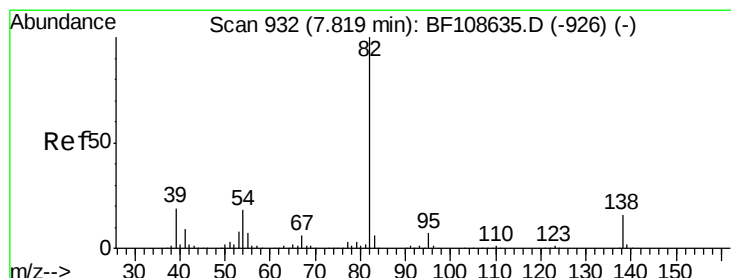
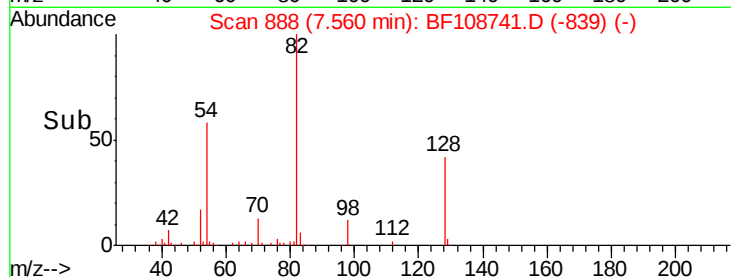
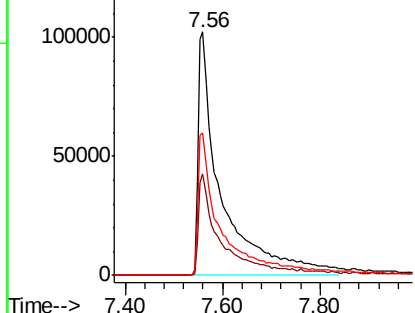
#23
 Nitrobenzene-d5
 Concen: 63.238 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108741.D
 Acq: 4 Sep 2018 15:26

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	339526
Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	58.7	41.4	62.2

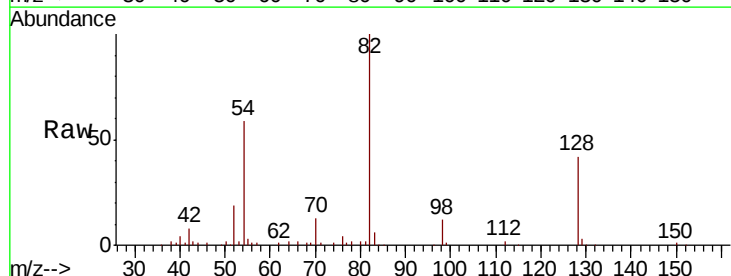


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

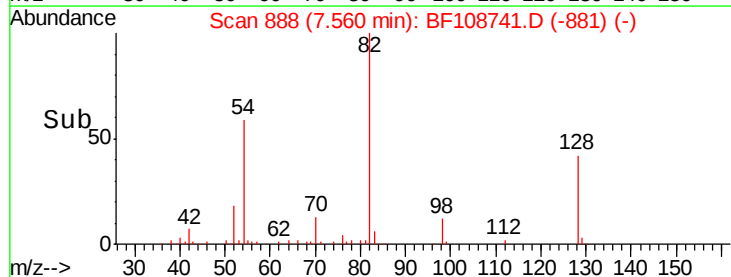
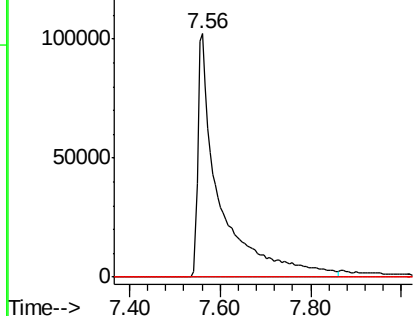


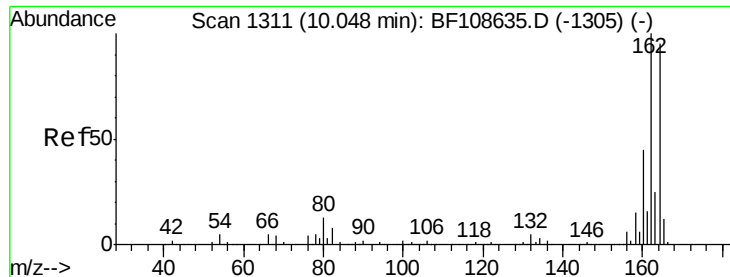
#25
 Isophorone
 Concen: 38.508 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.26 min
 Lab File: BF108741.D
 Acq: 4 Sep 2018 15:26

Tgt Ion	82	Resp	343453
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: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108741.D

Acq: 4 Sep 2018 15:26

Instrument :

BNA_F

ClientSampled :

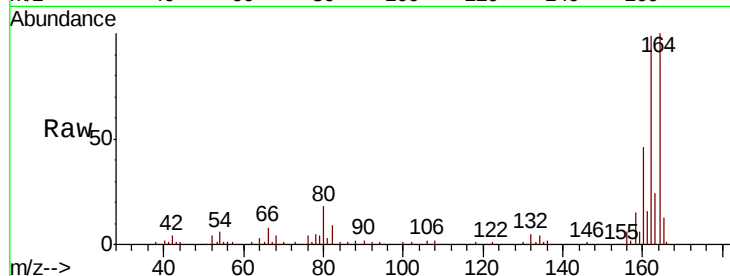
Tot Ion:164 Resp: 127178

Ion Ratio Lower Upper

164 100

162 99.3 86.1 129.1

160 46.0 38.3 57.5

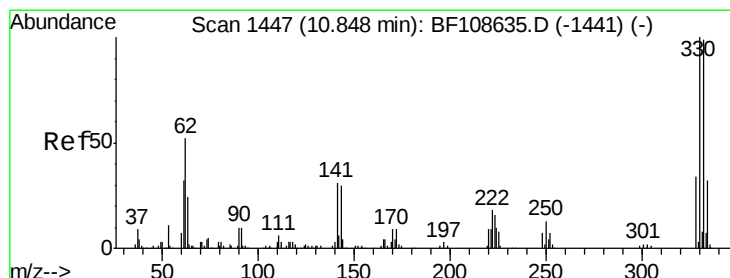
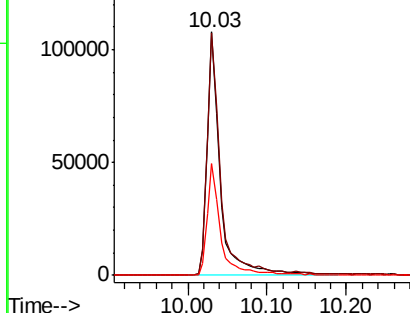
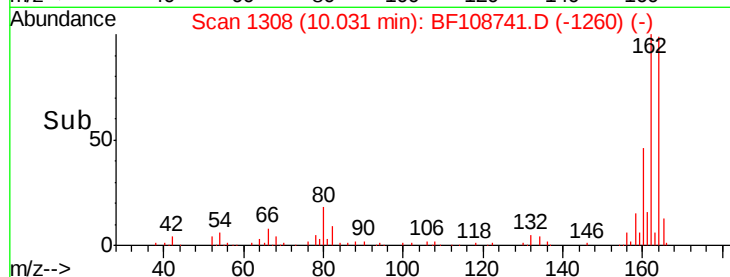


Abundance

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: 82.020 ng

RT: 10.83 min Scan# 1444

Delta R.T. -0.02 min

Lab File: BF108741.D

Acq: 4 Sep 2018 15:26

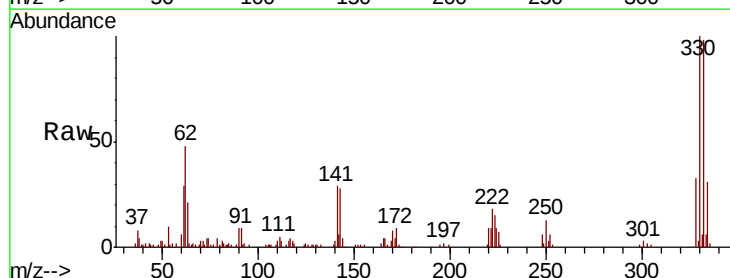
Tgt Ion:330 Resp: 137703

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

141 32.8 29.9 44.9

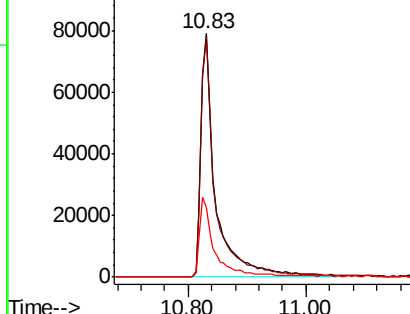
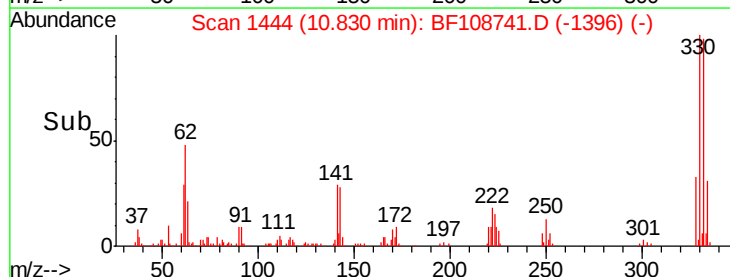


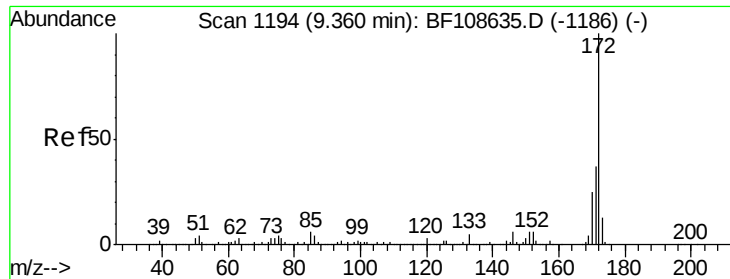
Abundance

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

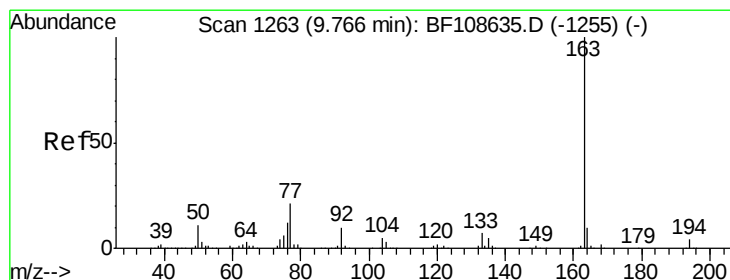
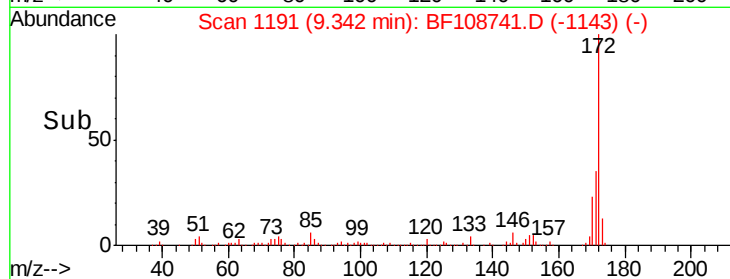
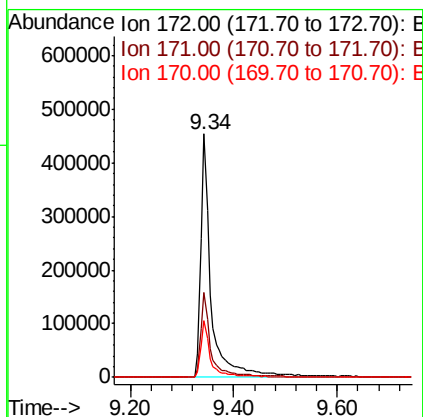
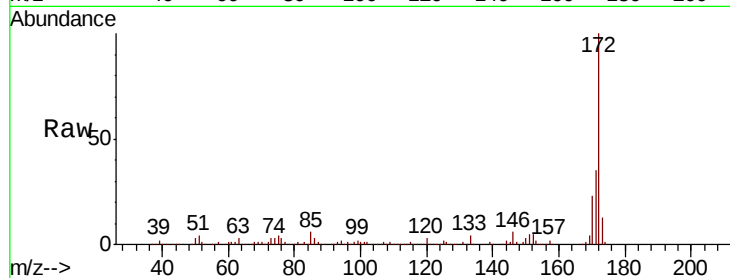




#44
2-Fluorobiphenyl
Concen: 67.260 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

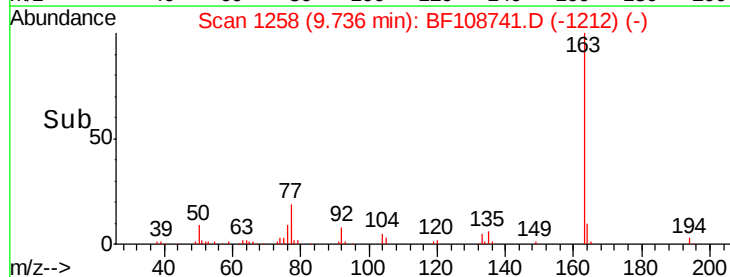
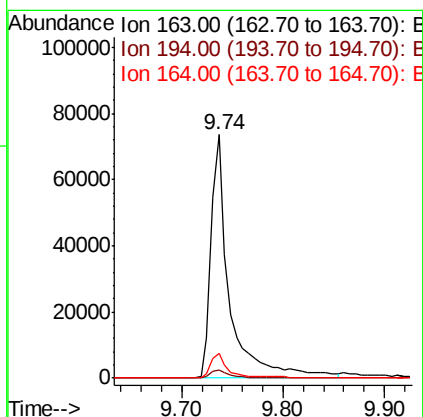
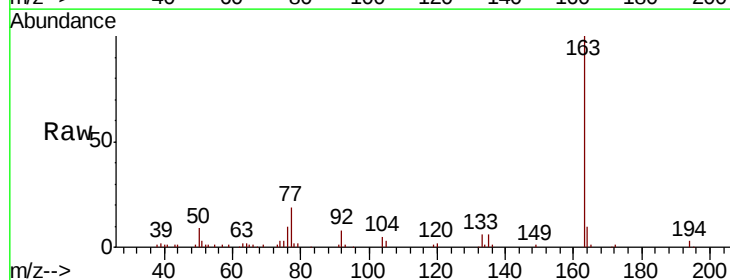
Instrument :
BNA_F
ClientSampleId :

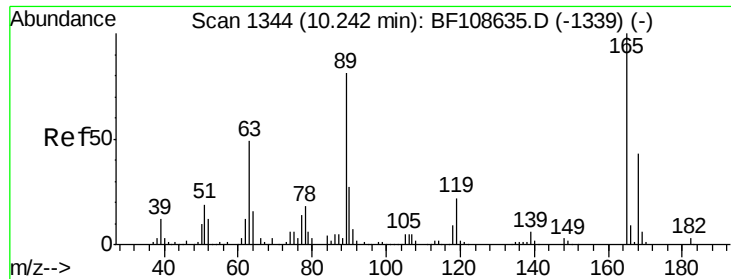
Tot Ion:172 Resp: 636183
Ion Ratio Lower Upper
172 100
171 34.9 29.7 44.5
170 23.3 19.6 29.4



#49
Dimethylphthalate
Concen: 9.364 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:163 Resp: 93775
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.0 8.2 12.2

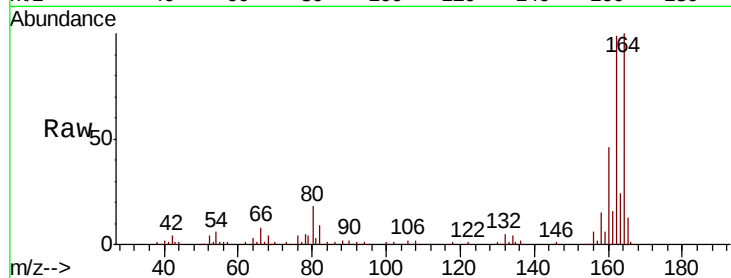




#56
2,4-Dinitrotoluene
Concen: 5.513 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Instrument :
BNA_F
ClientSampleId :

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



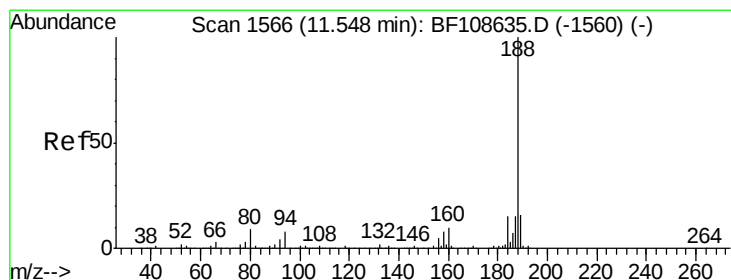
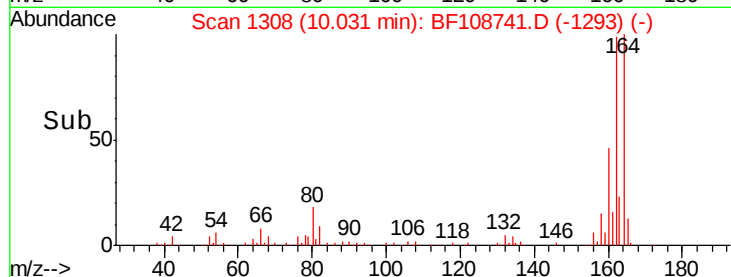
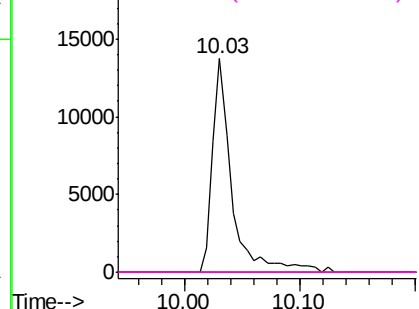
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

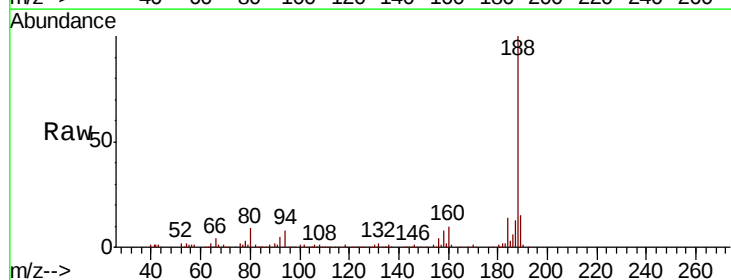
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.9	9.2	13.8#

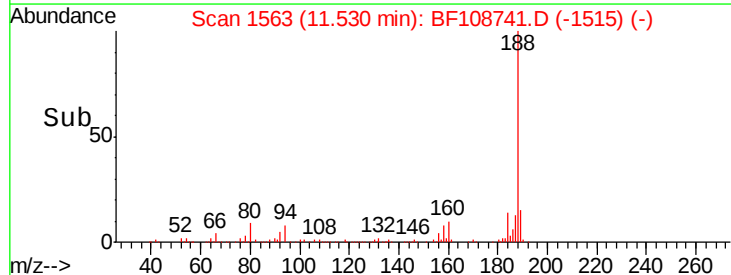
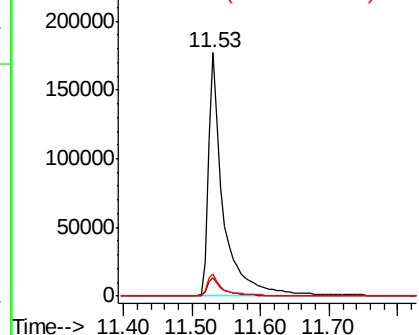


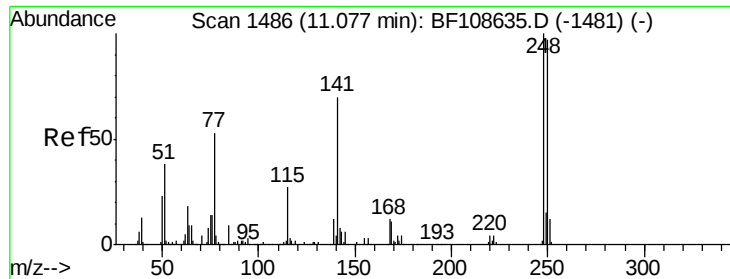
Abundance

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

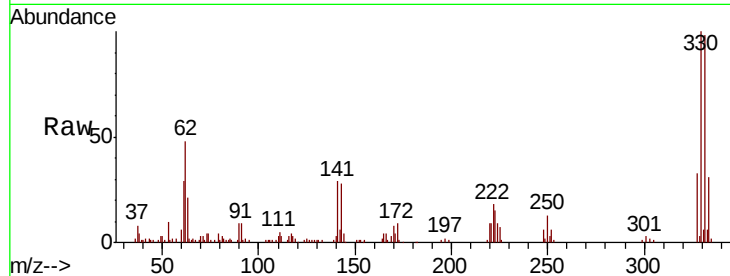




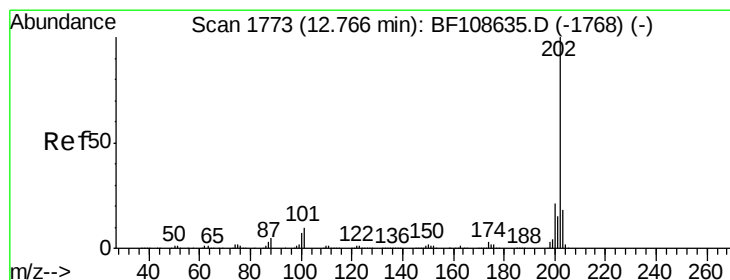
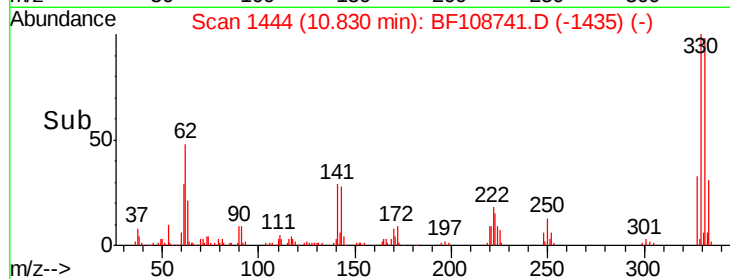
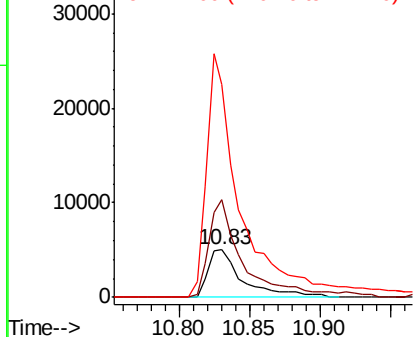
#66
4-Bromophenyl-phenylether
Concen: 2.548 ng
RT: 10.83 min Scan# 1444
Delta R.T. -0.25 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8569
Ion Ratio Lower Upper
248 100
250 207.3 76.9 115.3#
141 450.3 74.4 111.6#

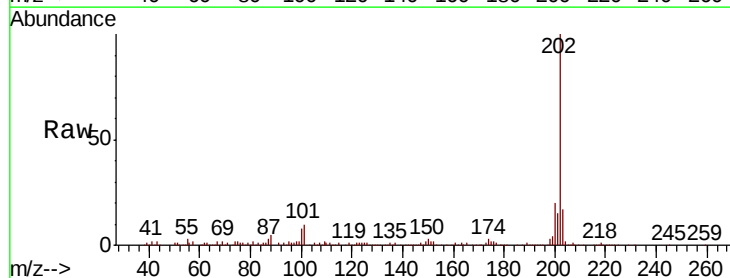


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

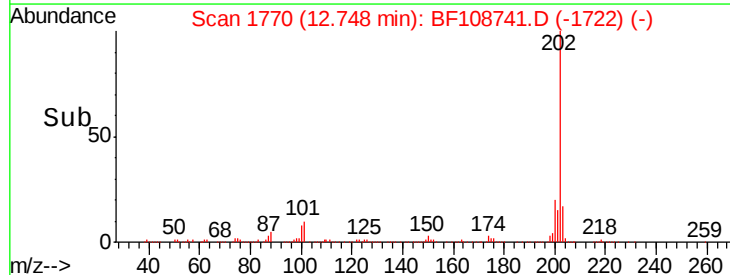
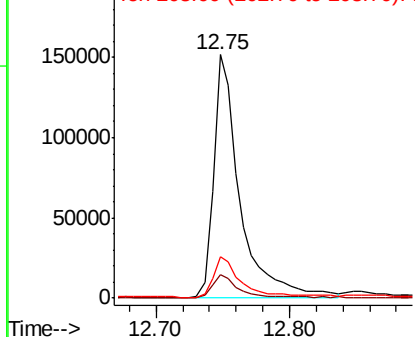


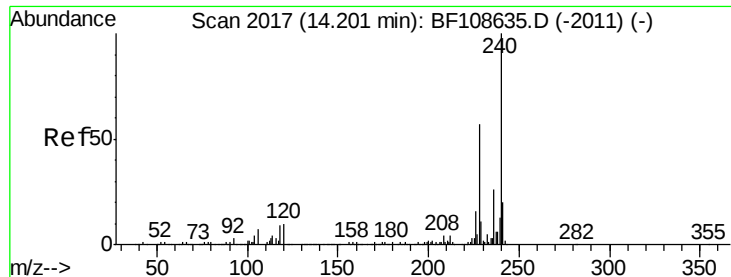
#74
Fluoranthene
Concen: 13.380 ng
RT: 12.75 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:202 Resp: 208020
Ion Ratio Lower Upper
202 100
101 9.6 0.0 34.1
203 17.2 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# 2015

Delta R.T. -0.01 min

Lab File: BF108741.D

Acq: 4 Sep 2018 15:26

Instrument :

BNA_F

ClientSampleId :

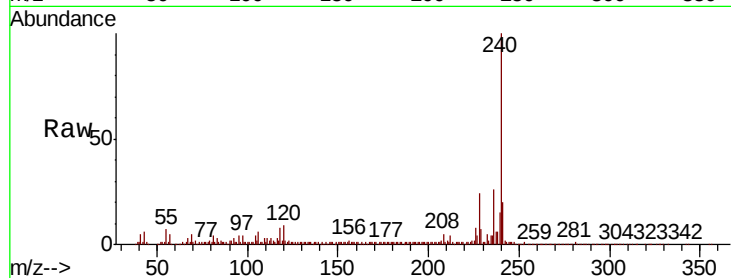
Tot Ion:240 Resp: 231093

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

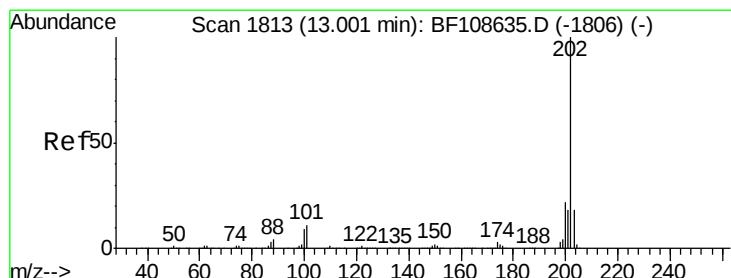
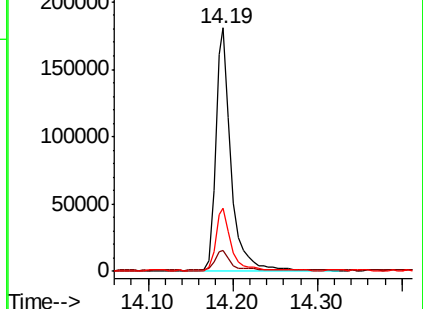
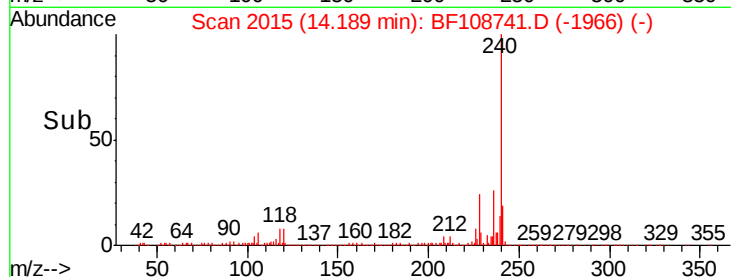
236 26.0 20.7 31.1



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: 12.593 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108741.D

Acq: 4 Sep 2018 15:26

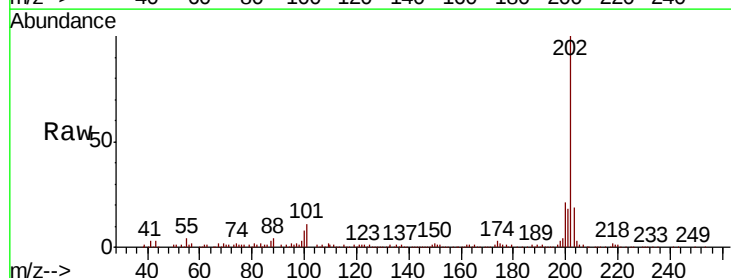
Tgt Ion:202 Resp: 218760

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

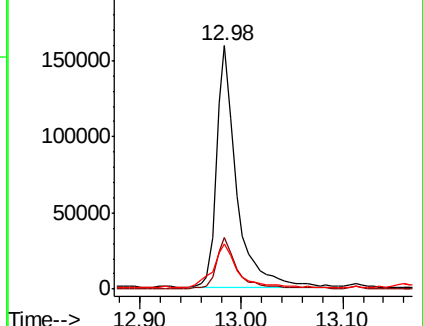
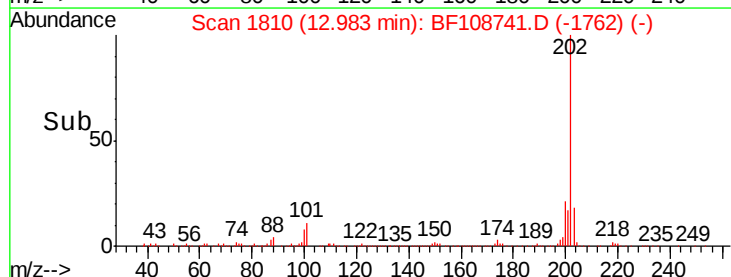
203 18.8 14.3 21.5

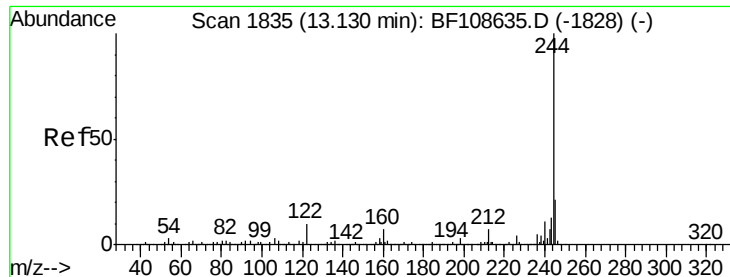


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

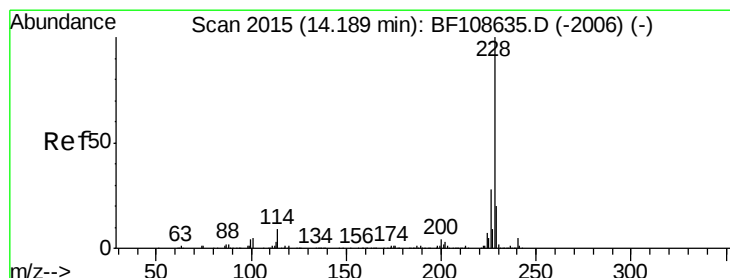
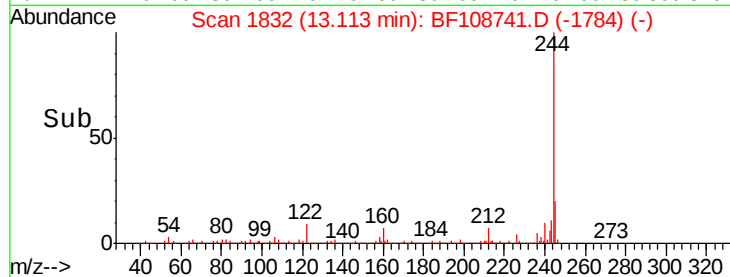
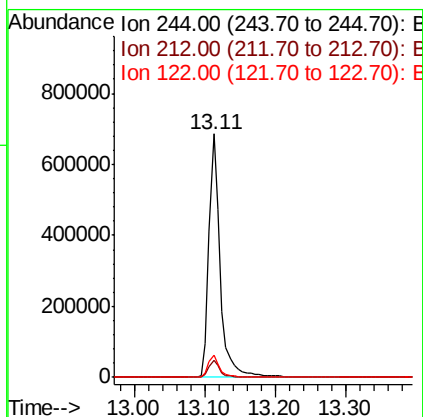
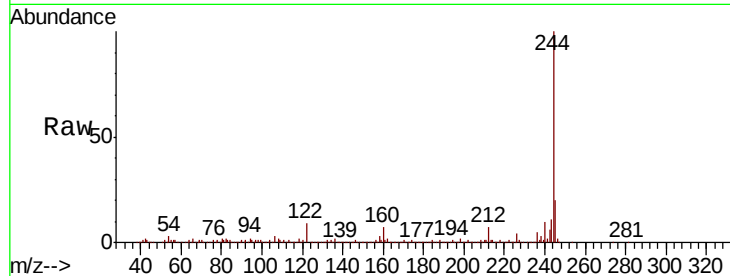




#78
 Terphenyl-d14
 Concen: 63.865 ng
 RT: 13.11 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF108741.D
 Acq: 4 Sep 2018 15:26

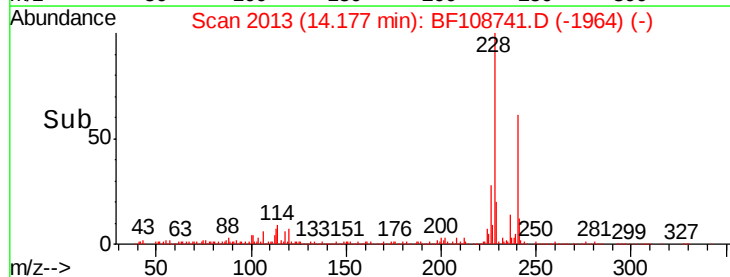
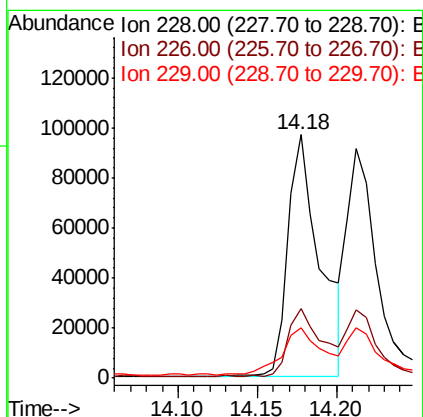
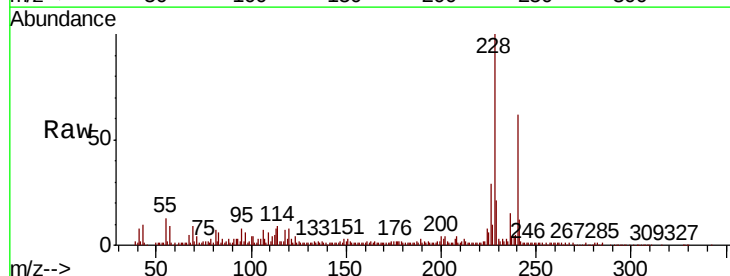
Instrument :
 BNA_F
 ClientSampleId :

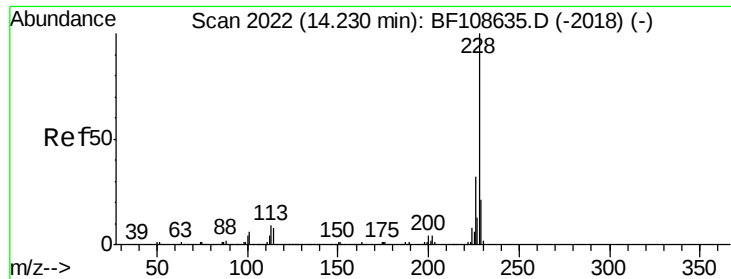
Tot Ion:244 Resp: 759601
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 9.2 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 9.598 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF108741.D
 Acq: 4 Sep 2018 15:26

Tgt Ion:228 Resp: 135216
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 33.8
 229 20.8 15.8 23.6

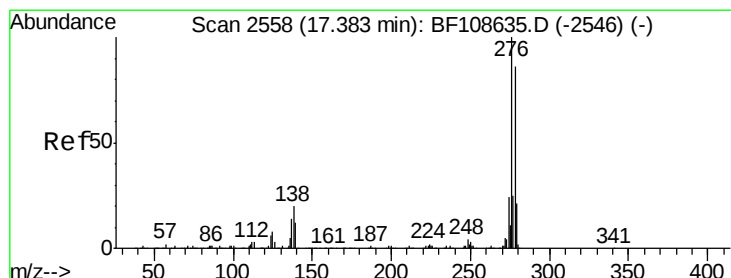
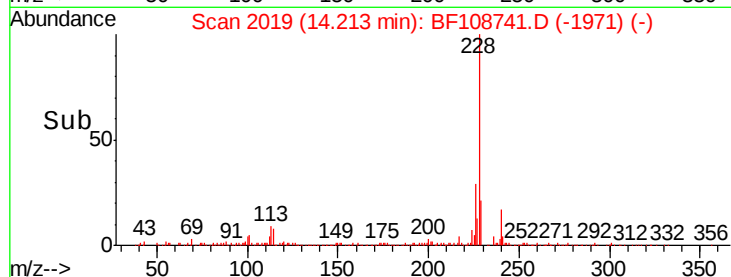
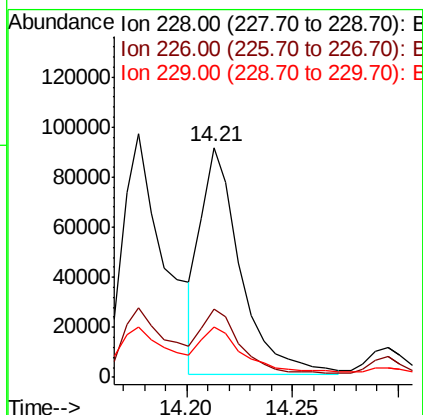
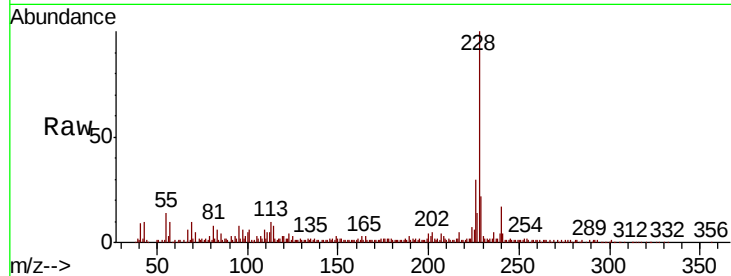




#82
Chrysene
Concen: 8.803 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

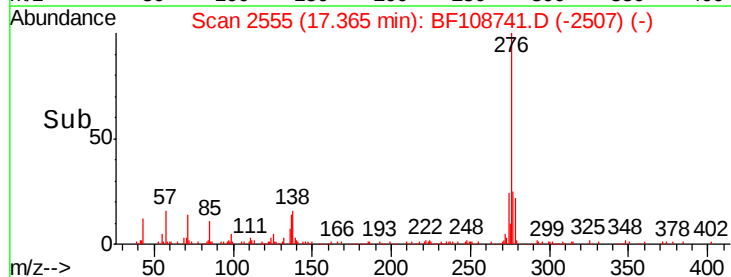
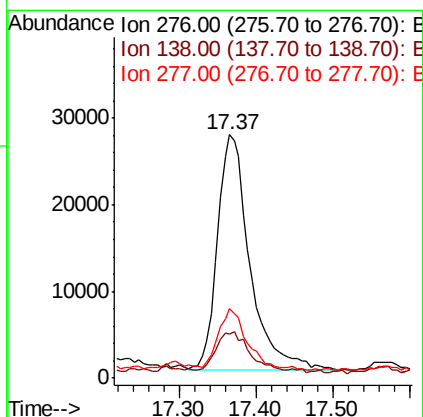
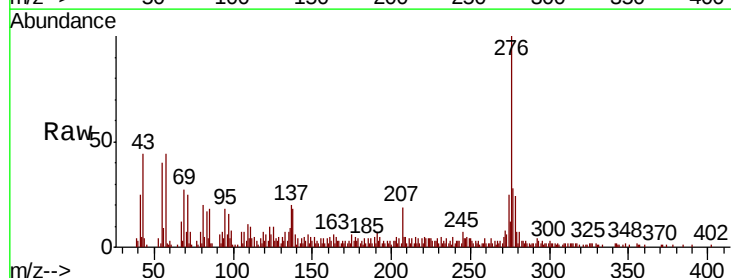
Instrument :
BNA_F
ClientSampleId :

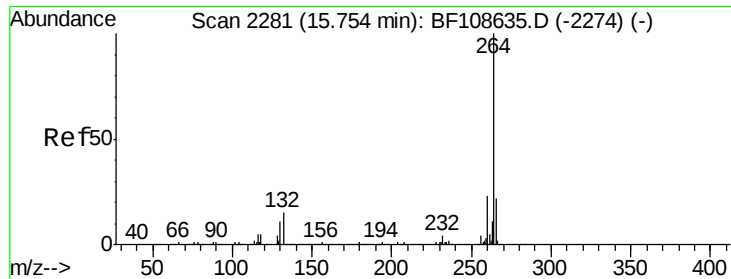
Tot Ion:228 Resp: 119270
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 22.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.384 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:276 Resp: 78983
Ion Ratio Lower Upper
276 100
138 16.2 25.0 37.6#
277 21.1 20.1 30.1

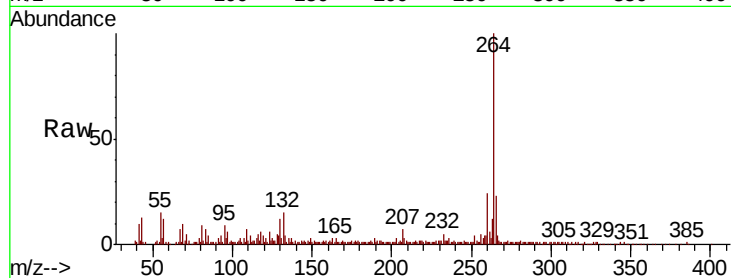




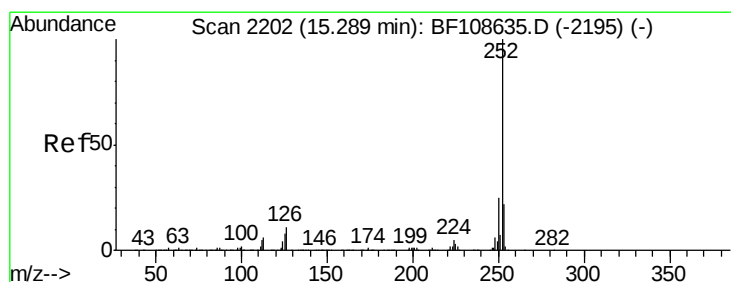
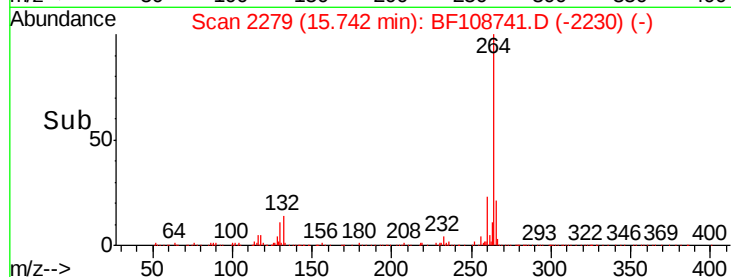
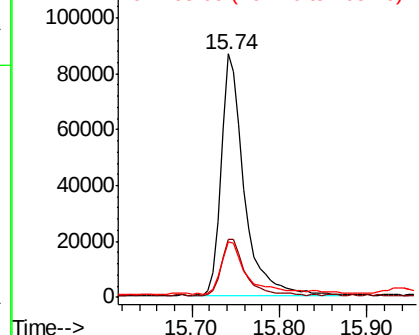
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 156255
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.6 17.5 26.3

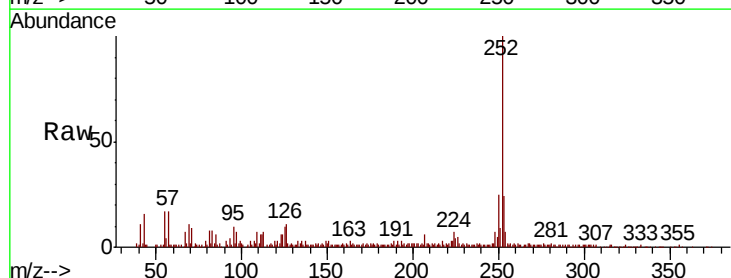


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

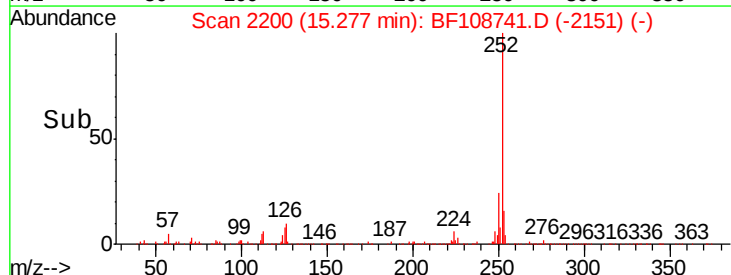
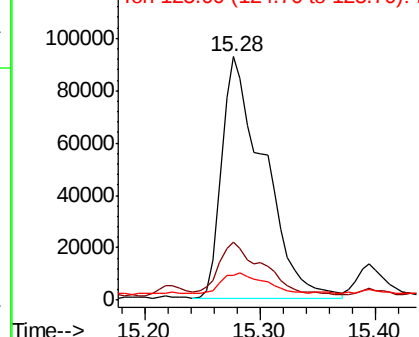


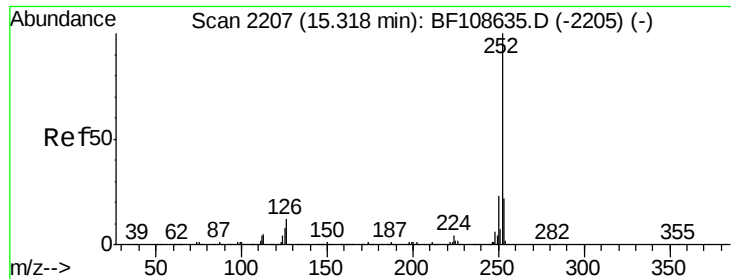
#87
Benzo(b)fluoranthene
Concen: 24.385 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion:252 Resp: 234061
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 10.2 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

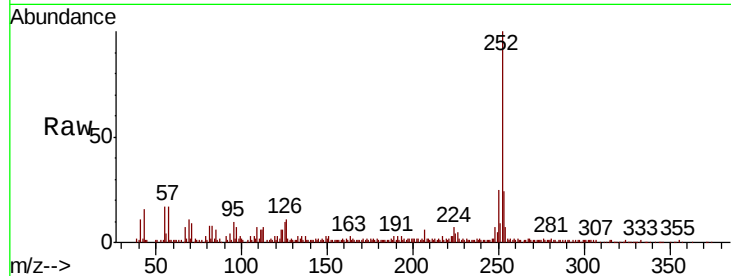




#88
Benzo(k)fluoranthene
Concen: 24.616 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	10.2	10.2	15.2

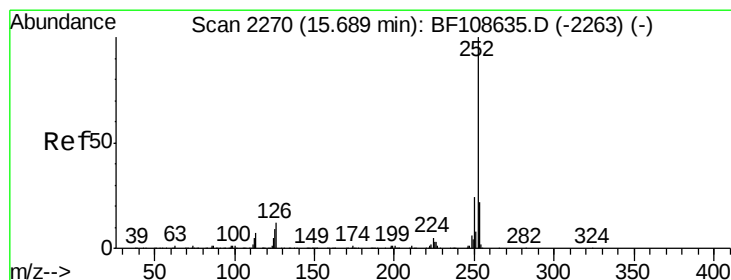
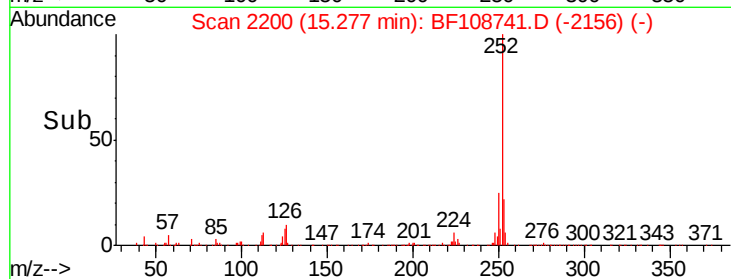
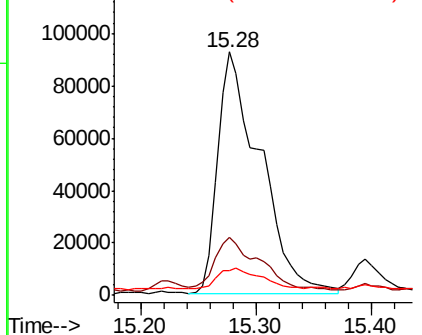


Abundance

Ion 252.00 (251.70 to 252.70): E

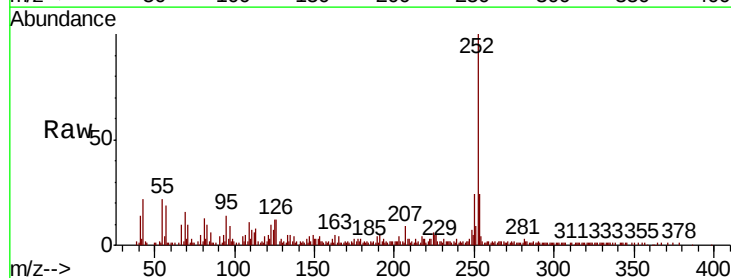
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 13.335 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108741.D
Acq: 4 Sep 2018 15:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	11.9	9.8	14.6

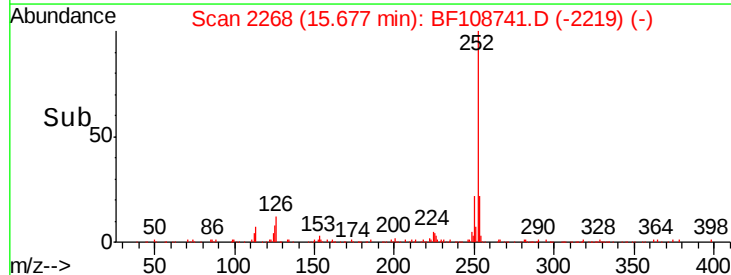
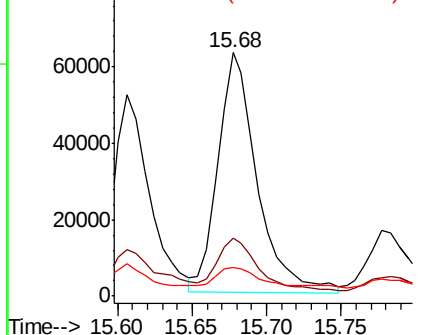


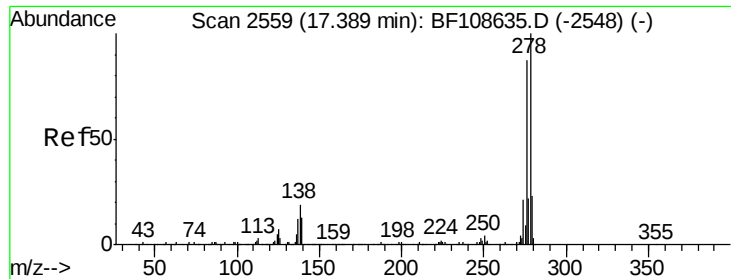
Abundance

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





#90

Dibenzo(a,h)anthracene

Concen: 2.163 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.02 min

Lab File: BF108741.D

Acq: 4 Sep 2018 15:26

Instrument :

BNA_F

ClientSampleId :

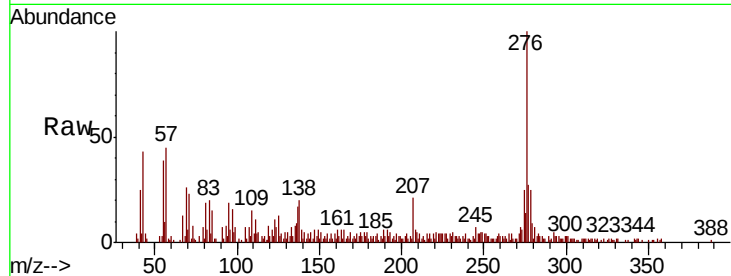
Tot Ion:278 Resp: 14988

Ion Ratio Lower Upper

278 100

139 23.5 15.9 23.9

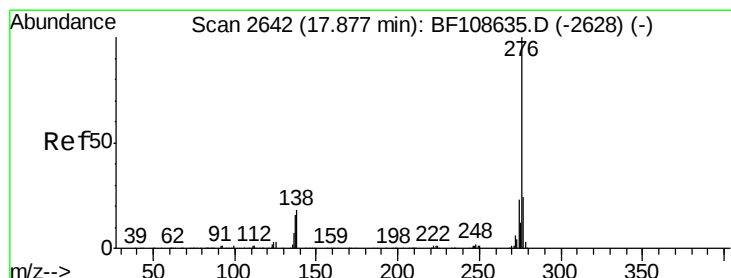
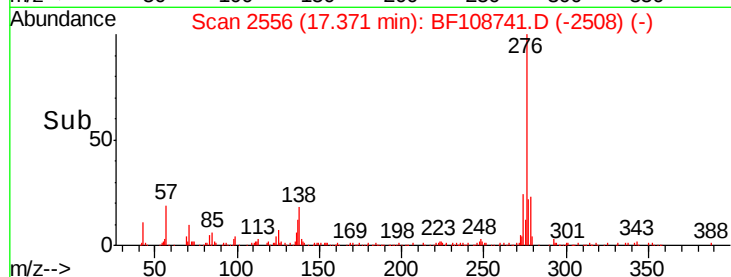
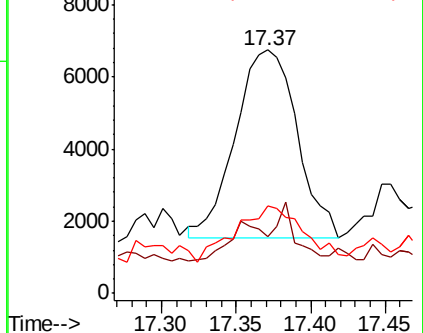
279 35.9 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.373 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.02 min

Lab File: BF108741.D

Acq: 4 Sep 2018 15:26

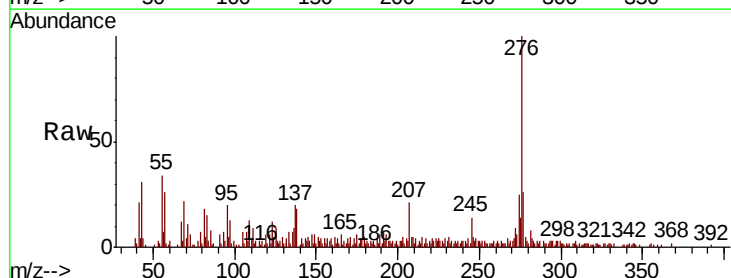
Tgt Ion:276 Resp: 83312

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 18.3 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

