

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108749.D
 Acq On : 4 Sep 2018 19:00
 Operator : JU/SJ
 Sample : J4764-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 03:12:14 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

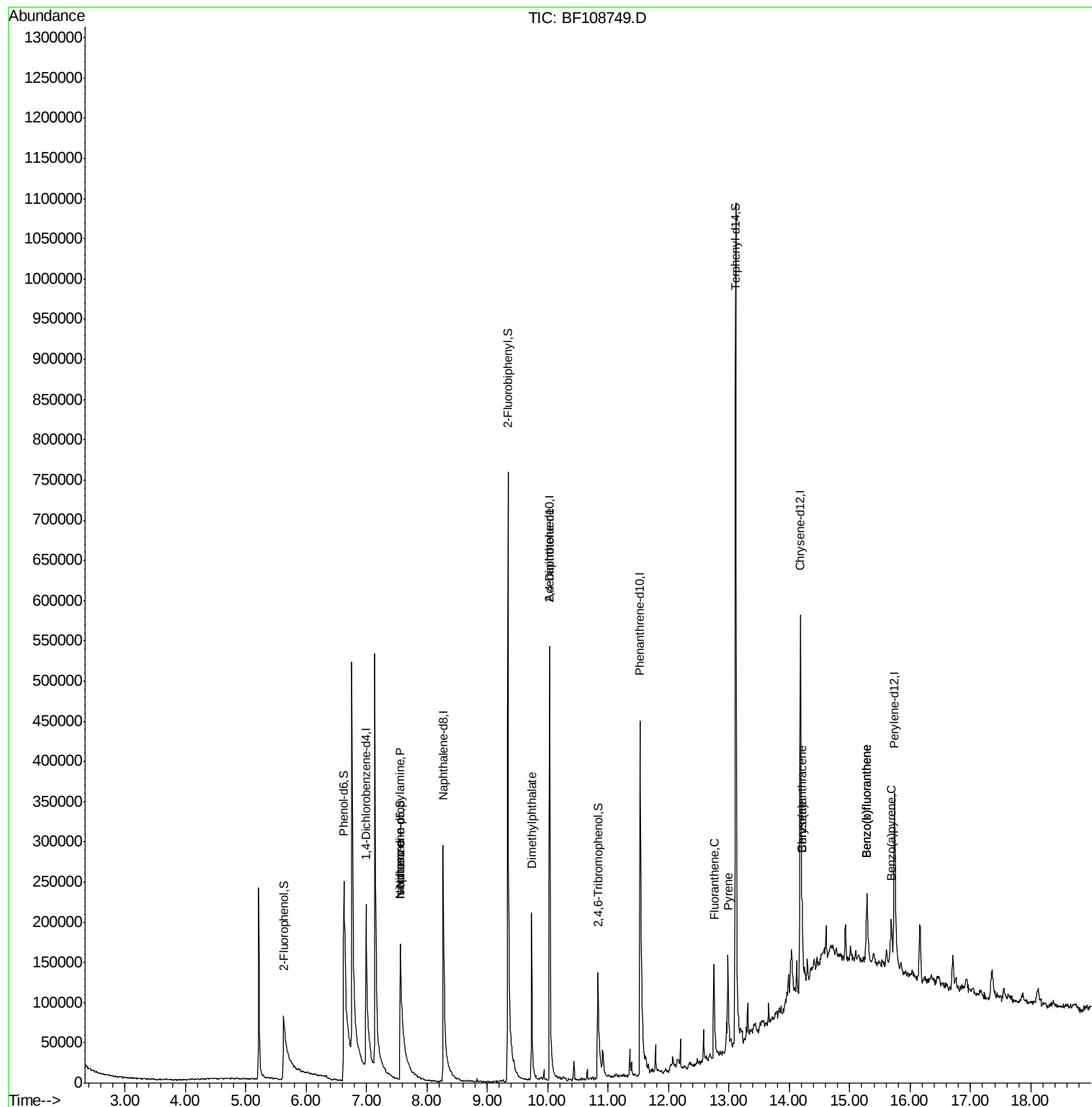
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	71549	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	298266	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	142750	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	289789	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	216548	20.00	ng	-0.01
86) Perylene-d12	15.74	264	157156	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	119914	29.12	ng	-0.02
7) Phenol-d6	6.62	99	344618	58.42	ng	-0.02
23) Nitrobenzene-d5	7.56	82	210453	35.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.83	330	38611	20.49	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	402559	37.92	ng	-0.02
78) Terphenyl-d14	13.11	244	469313	42.11	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	24595	6.226	ng	# 81
25) Isophorone	7.56	82	210453	21.560	ng	# 64
49) Dimethylphthalate	9.74	163	115205	10.249	ng	# 99
56) 2,4-Dinitrotoluene	10.03	165	18011	5.490	ng	# 22
74) Fluoranthene	12.75	202	78294	4.755	ng	# 95
77) Pyrene	12.98	202	70880	4.354	ng	# 98
80) Benzo(a)anthracene	14.21	228	28488	2.158	ng	# 95
82) Chrysene	14.21	228	28488	2.244	ng	# 99
87) Benzo(b)fluoranthene	15.28	252	47688	4.940	ng	# 93
88) Benzo(k)fluoranthene	15.28	252	47688	4.987	ng	# 96
89) Benzo(a)pyrene	15.68	252	20685	2.371	ng	# 90

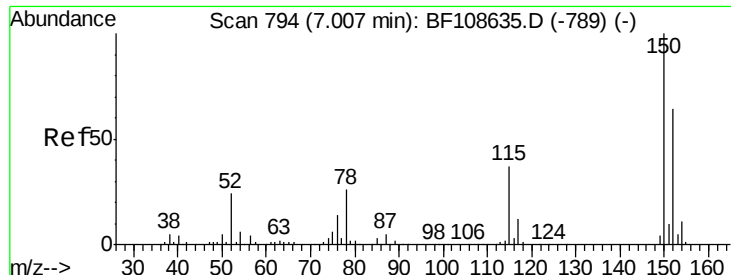
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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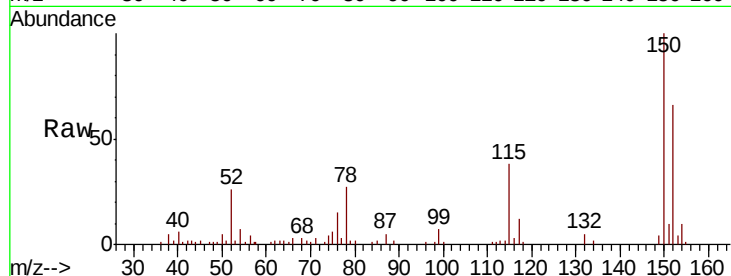


#1

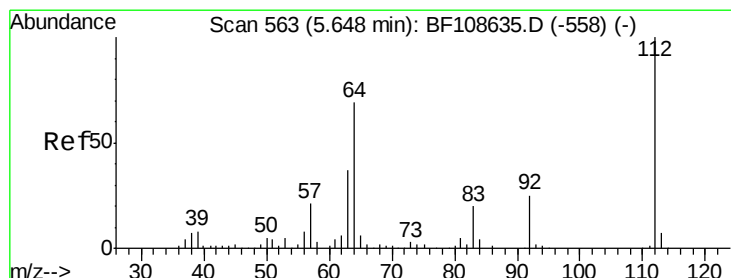
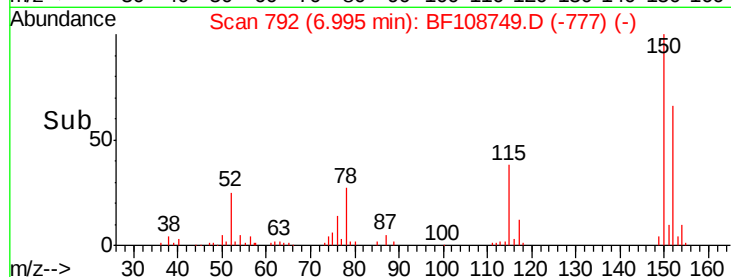
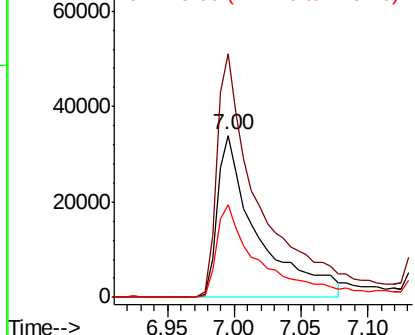
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108749.D
Acq: 4 Sep 2018 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71549
Ion Ratio Lower Upper
152 100
150 150.6 124.6 186.8
115 57.4 50.1 75.1



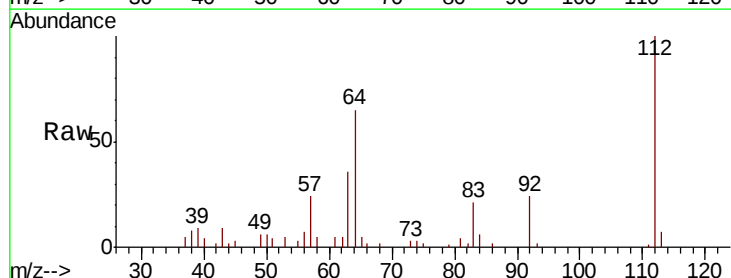
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



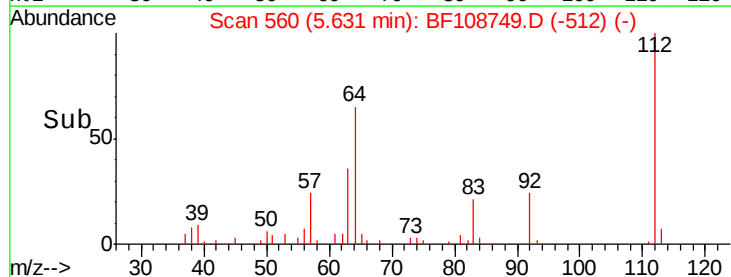
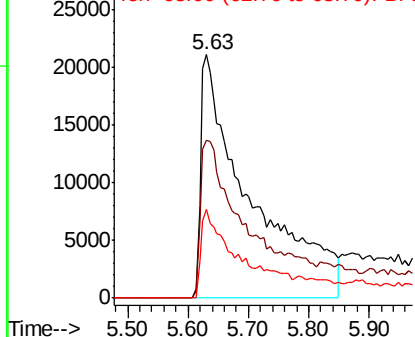
#5

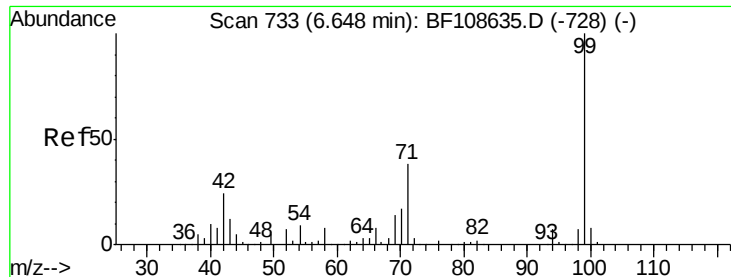
2-Fluorophenol
Concen: 29.115 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.02 min
Lab File: BF108749.D
Acq: 4 Sep 2018 19:00

Tgt Ion:112 Resp: 119914
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 36.4 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: 58.420 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

Instrument :

BNA_F

ClientSampleId :

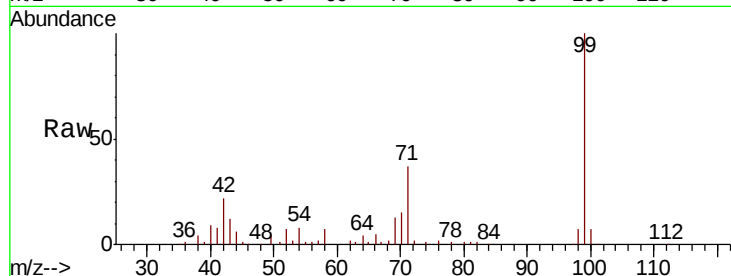
Tot Ion: 99 Resp: 344618

Ion Ratio Lower Upper

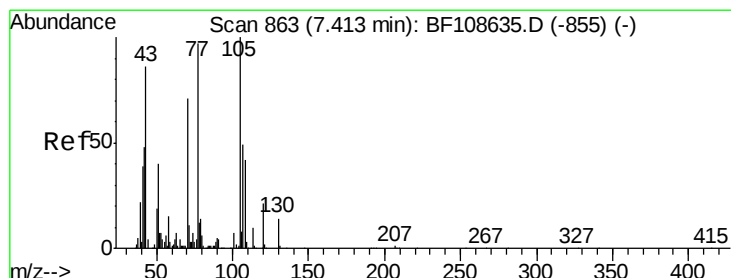
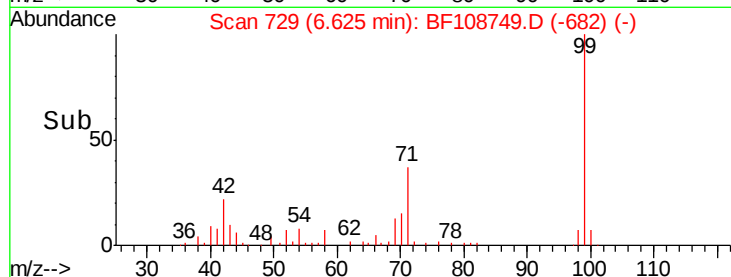
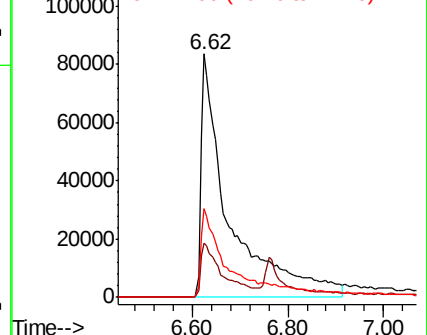
99 100

42 22.3 14.5 21.7#

71 36.6 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: 6.226 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

Tgt Ion: 70 Resp: 24595

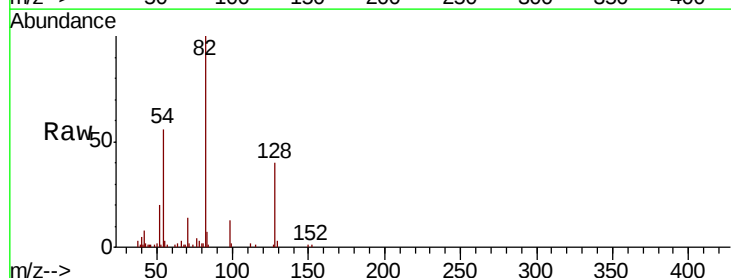
Ion Ratio Lower Upper

70 100

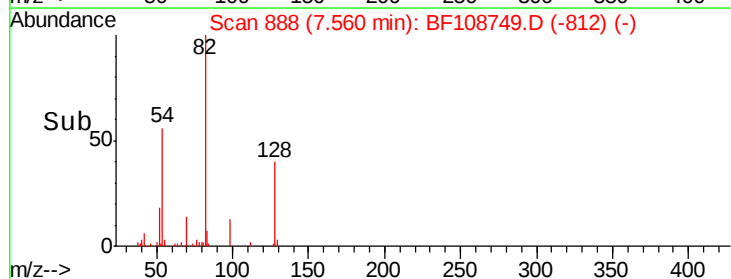
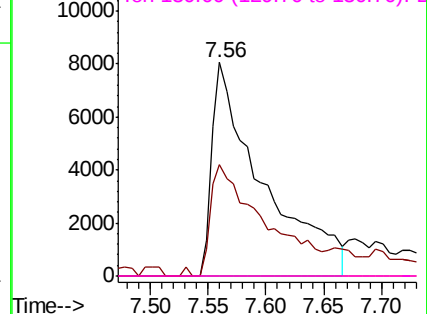
42 52.1 47.5 71.3

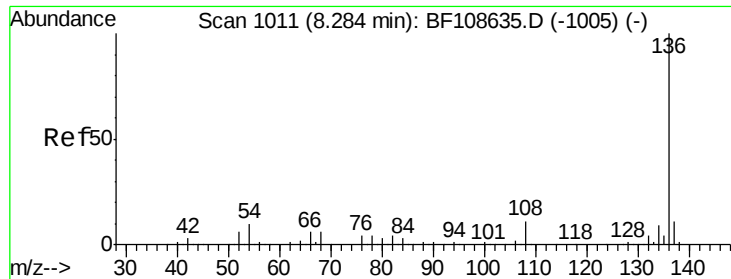
101 0.0 7.4 11.2#

130 0.0 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

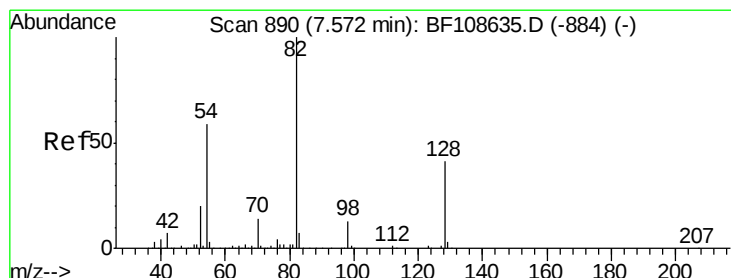
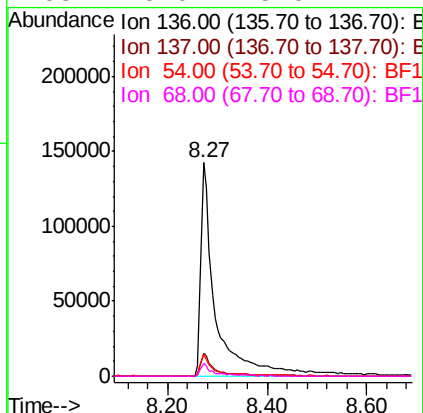
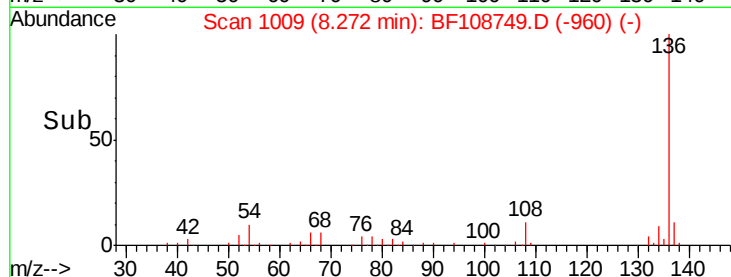
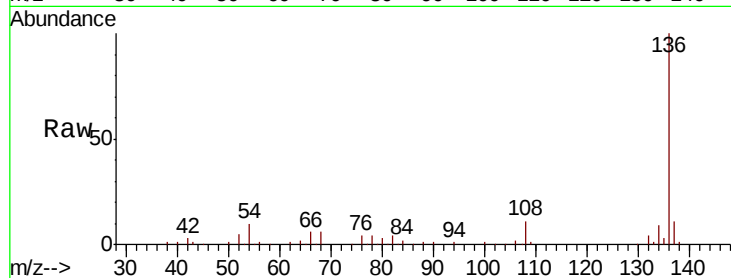




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108749.D
Acq: 4 Sep 2018 19:00

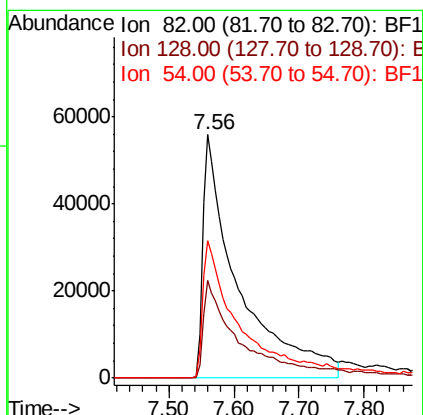
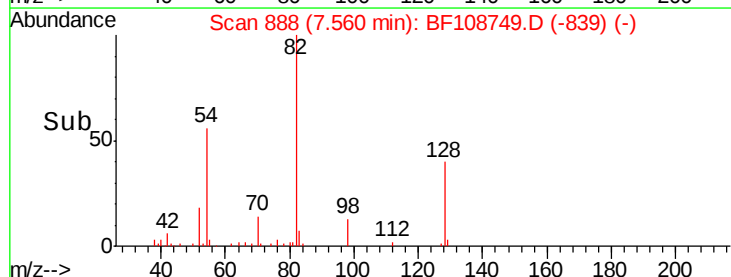
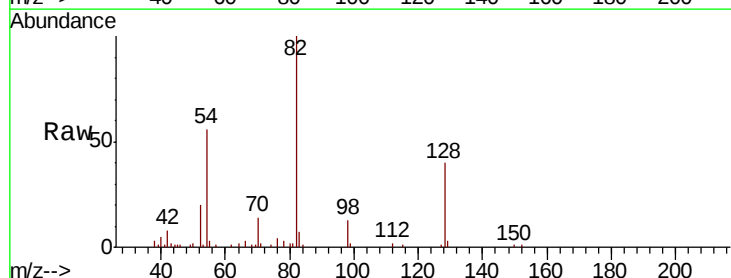
Instrument :
BNA_F
ClientSampleId :

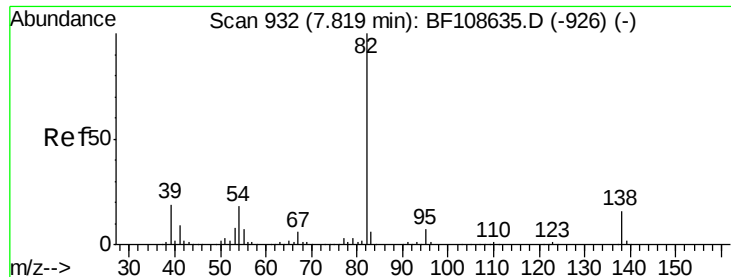
Tot Ion:136	Resp:	298266
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.9 13.3
54	10.3	6.6 9.8#
68	6.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 35.815 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108749.D
Acq: 4 Sep 2018 19:00

Tgt Ion: 82	Resp:	210453
Ion Ratio	Lower	Upper
82	100	
128	40.0	36.1 54.1
54	56.4	41.4 62.2





#25

Isophorone

Concen: 21.560 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

Instrument :

BNA_F

ClientSampleId :

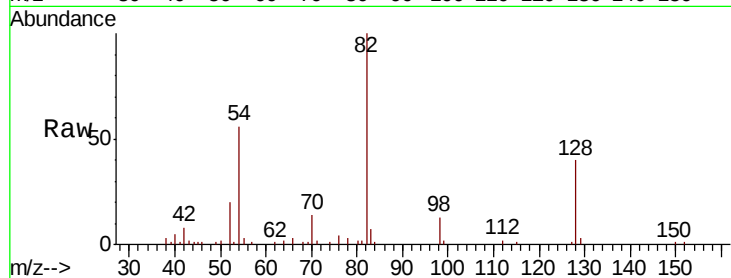
Tot Ion: 82 Resp: 210453

Ion Ratio Lower Upper

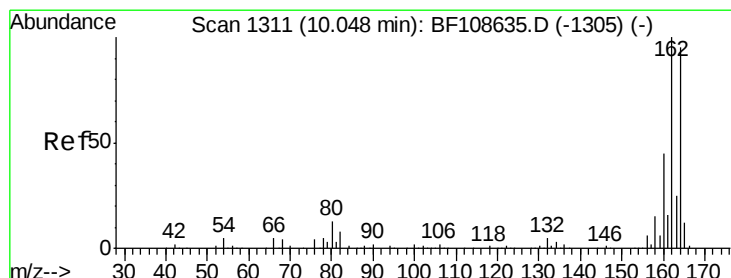
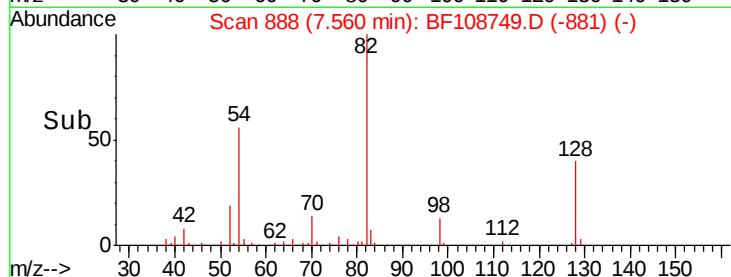
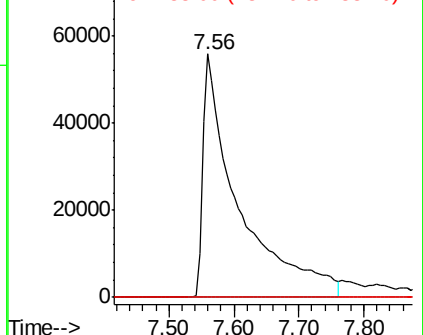
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

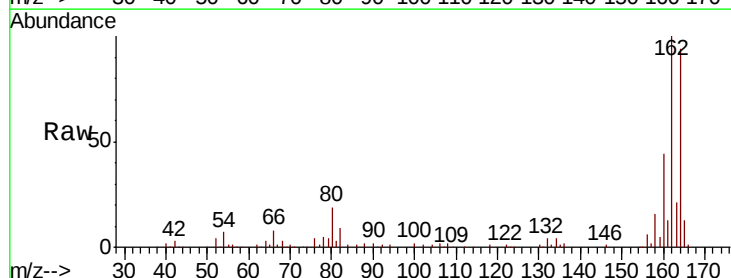
Tgt Ion:164 Resp: 142750

Ion Ratio Lower Upper

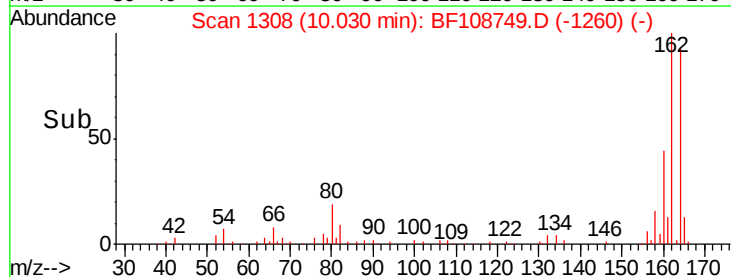
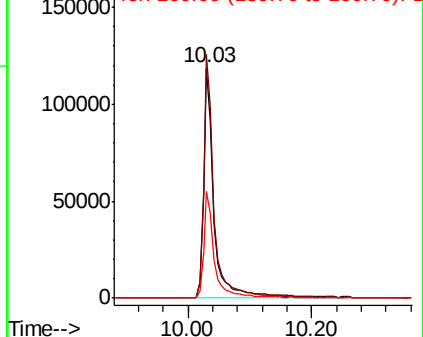
164 100

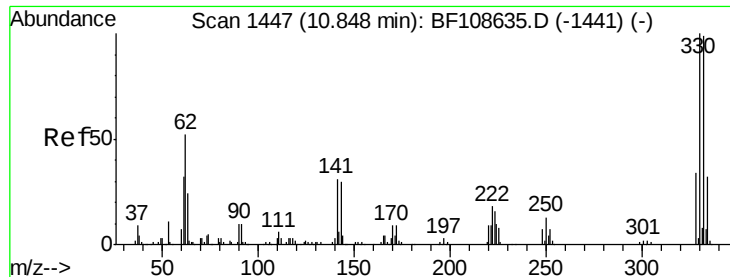
162 105.8 86.1 129.1

160 46.2 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

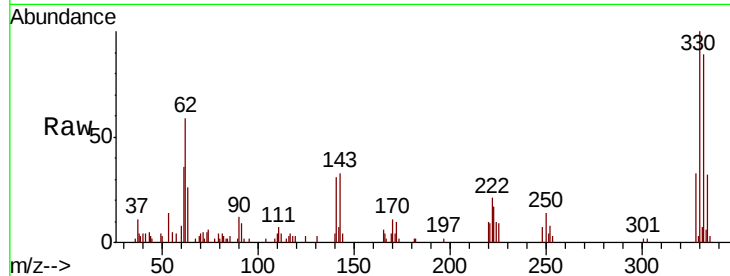




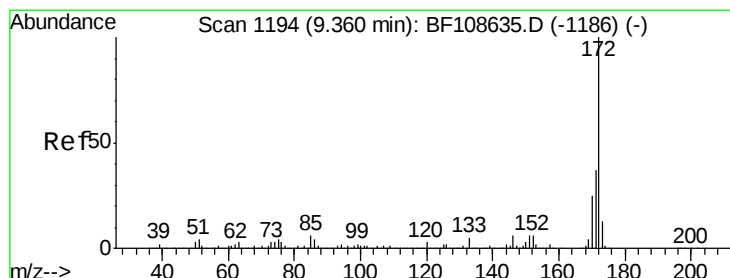
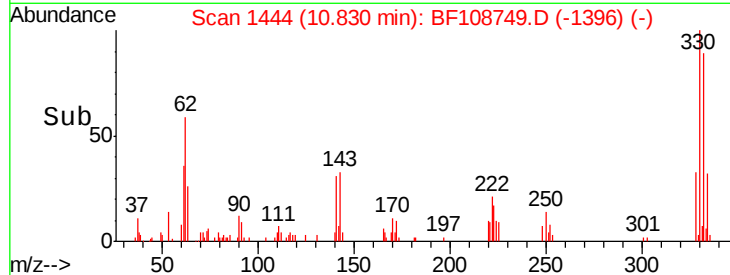
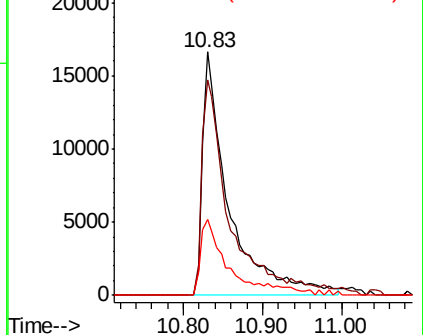
#41
 2,4,6-Tribromophenol
 Concen: 20.489 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108749.D
 Acq: 4 Sep 2018 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 38611
 Ion Ratio Lower Upper
 330 100
 332 87.3 77.0 115.6
 141 33.9 29.9 44.9

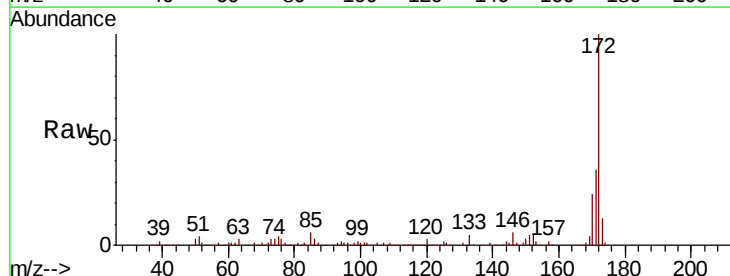


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

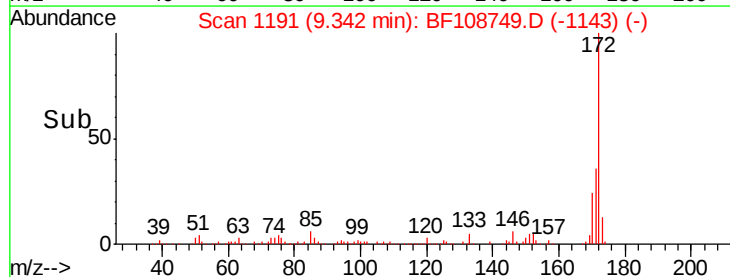
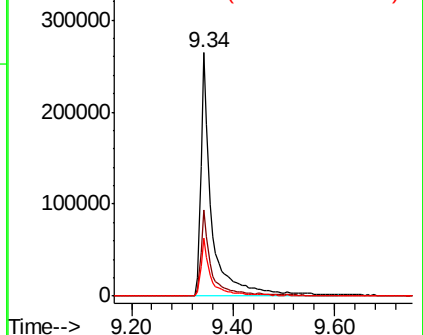


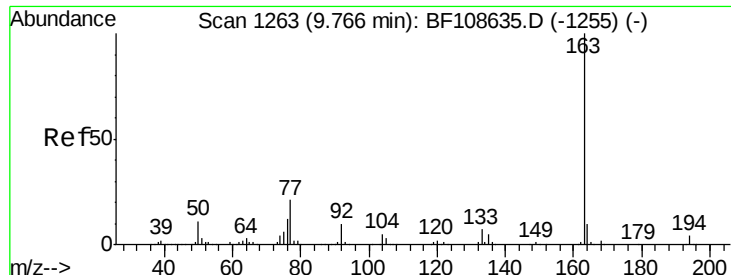
#44
 2-Fluorobiphenyl
 Concen: 37.917 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108749.D
 Acq: 4 Sep 2018 19:00

Tgt Ion:172 Resp: 402559
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.7 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

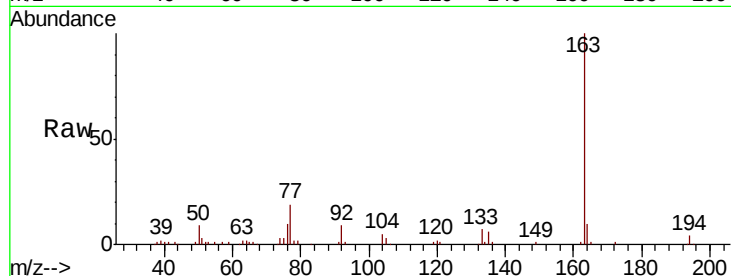




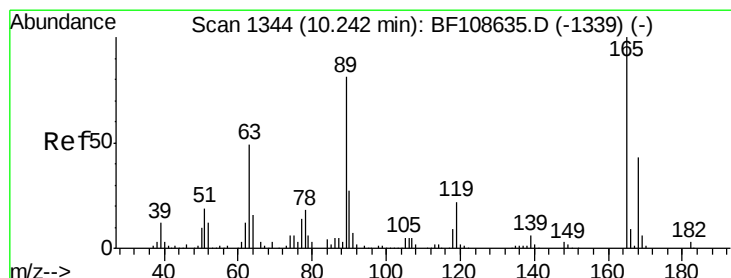
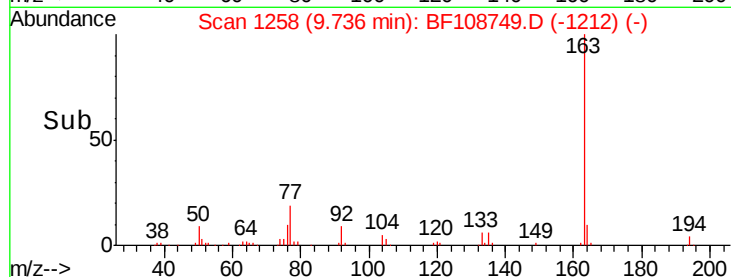
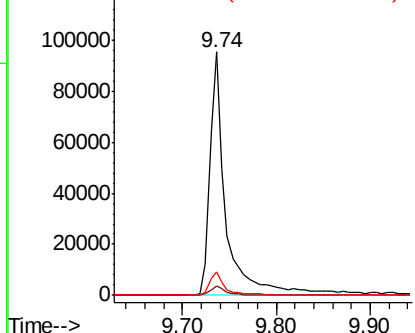
#49
Dimethylphthalate
Concen: 10.249 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108749.D
Acq: 4 Sep 2018 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 115205
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1
164 9.7 8.2 12.2

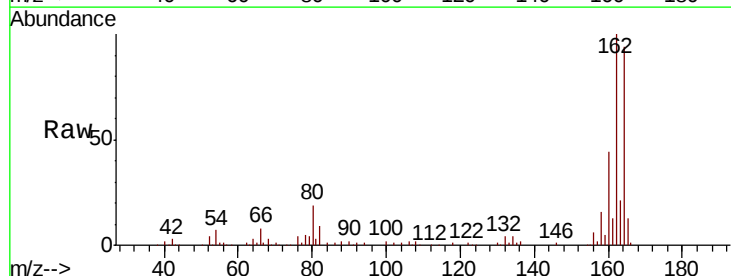


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

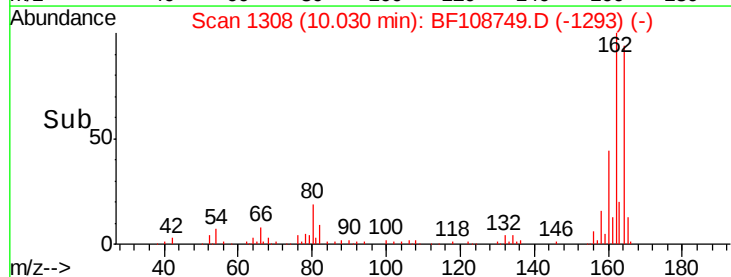
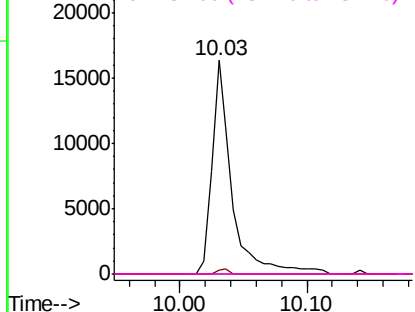


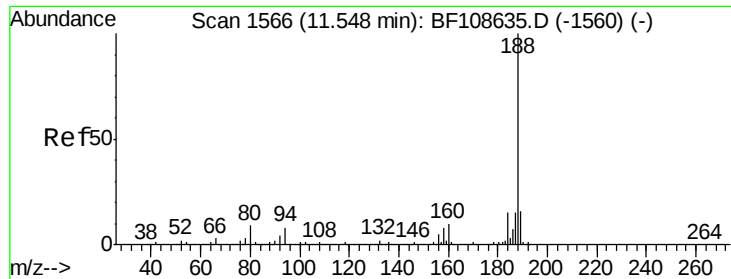
#56
2,4-Dinitrotoluene
Concen: 5.490 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108749.D
Acq: 4 Sep 2018 19:00

Tgt Ion:165 Resp: 18011
Ion Ratio Lower Upper
165 100
63 1.8 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

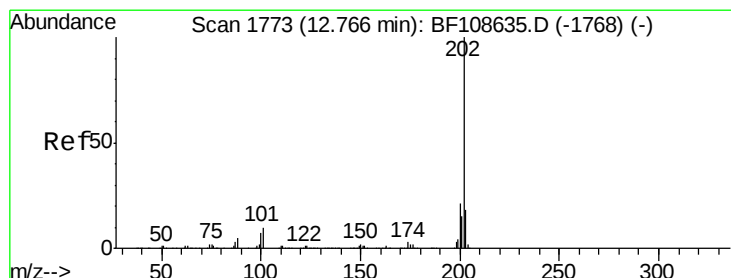
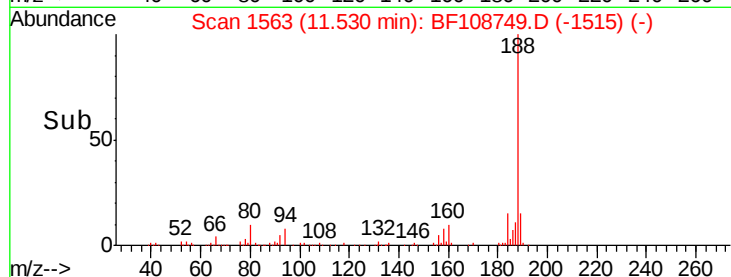
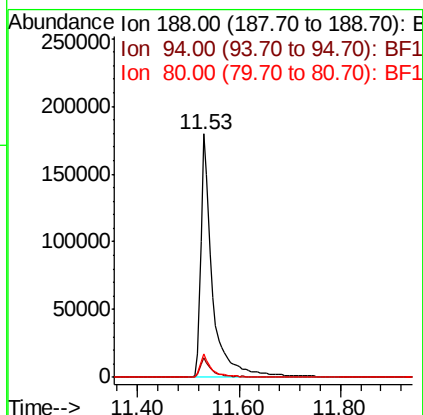
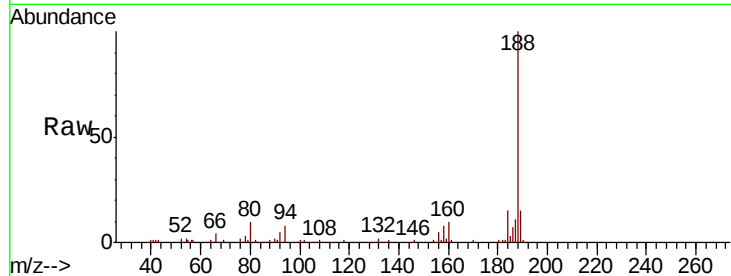




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108749.D
Acq: 4 Sep 2018 19:00

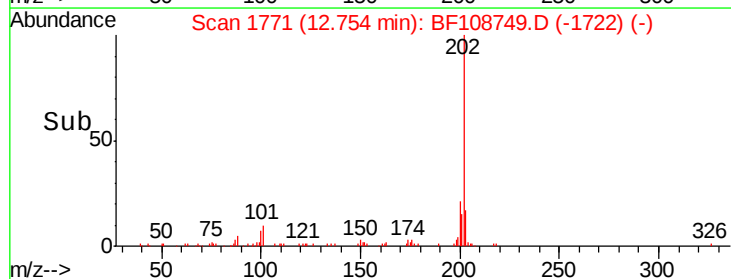
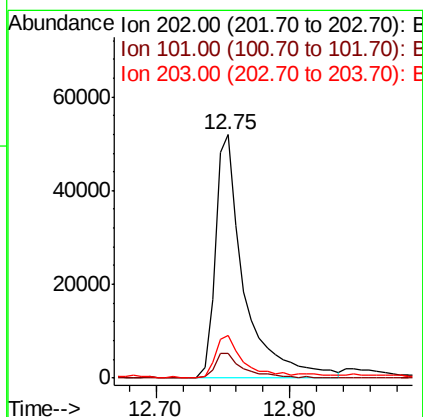
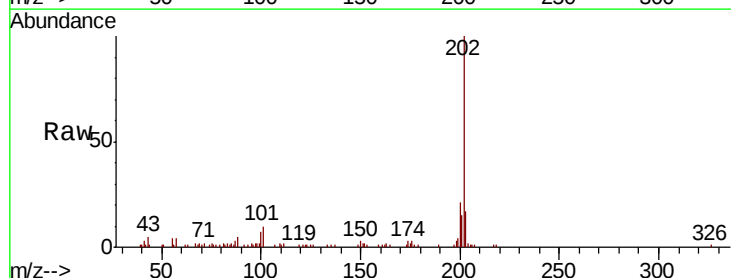
Instrument :
BNA_F
ClientSampled :

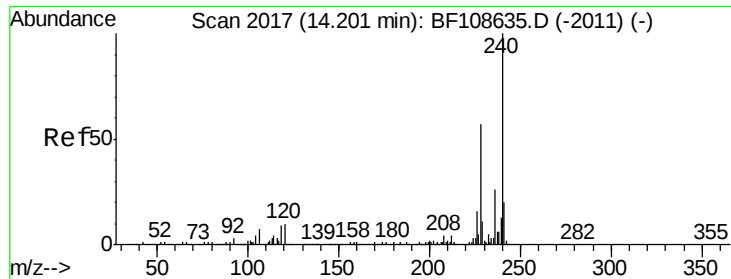
Tot Ion:188 Resp: 289789
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 9.8 9.2 13.8



#74
Fluoranthene
Concen: 4.755 ng
RT: 12.75 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF108749.D
Acq: 4 Sep 2018 19:00

Tgt Ion:202 Resp: 78294
Ion Ratio Lower Upper
202 100
101 10.3 0.0 34.1
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

Instrument :

BNA_F

ClientSampleId :

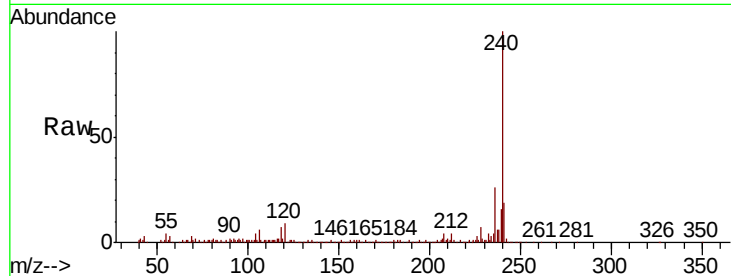
Tot Ion:240 Resp: 216548

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

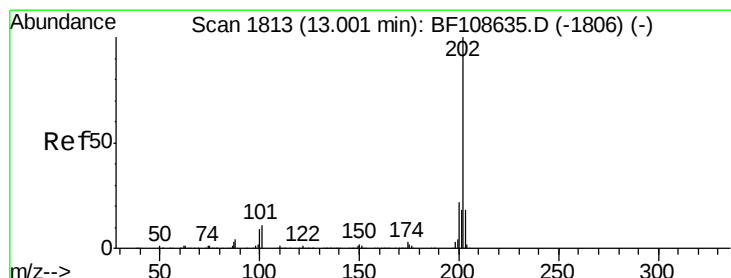
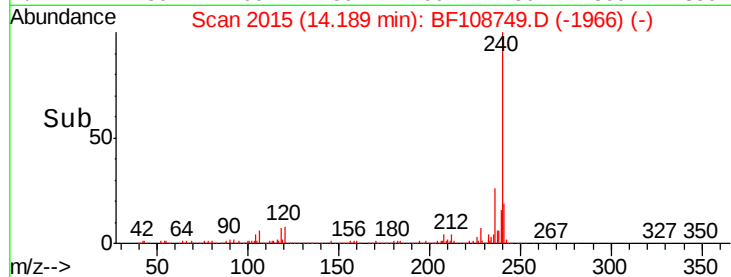
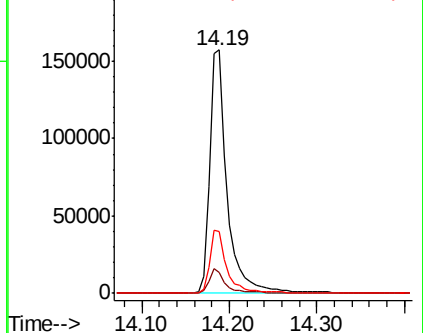
236 25.6 20.7 31.1



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: 4.354 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

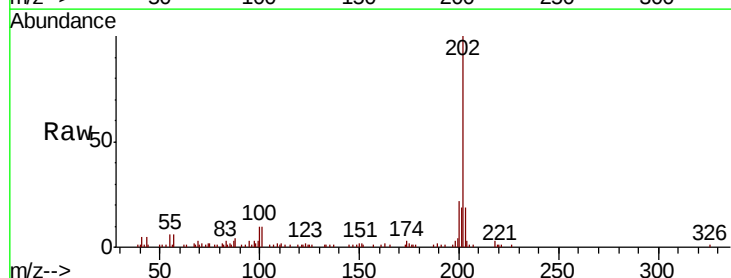
Tgt Ion:202 Resp: 70880

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

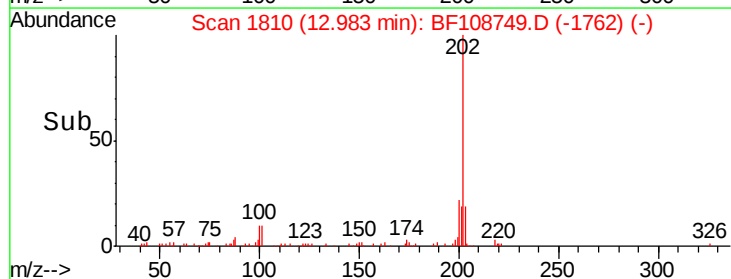
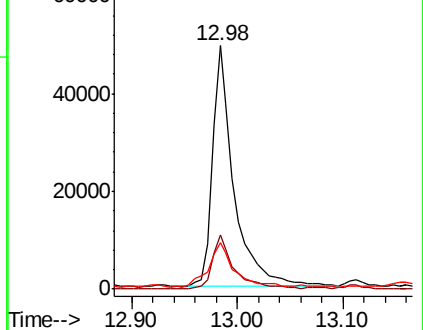
203 19.3 14.3 21.5

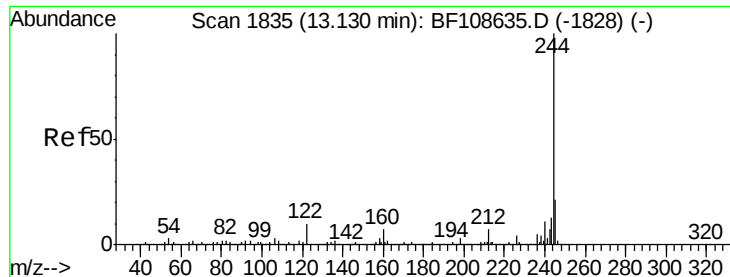


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

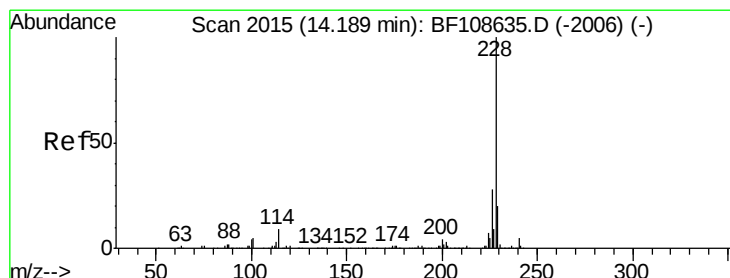
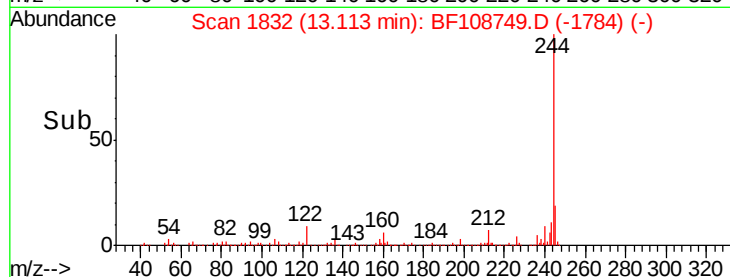
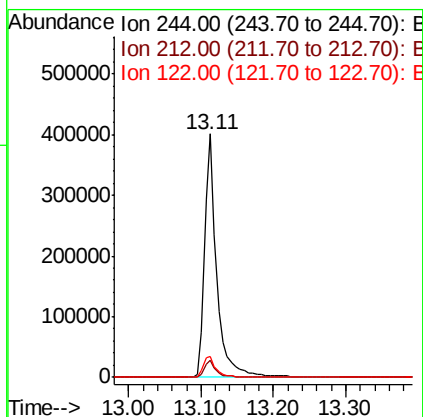
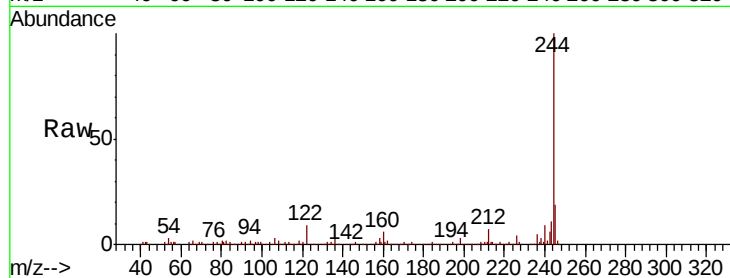




#78
 Terphenyl-d14
 Concen: 42.109 ng
 RT: 13.11 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF108749.D
 Acq: 4 Sep 2018 19:00

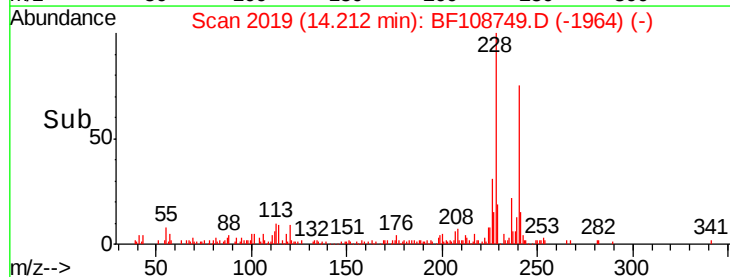
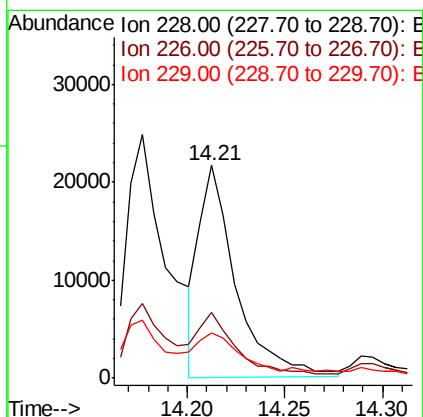
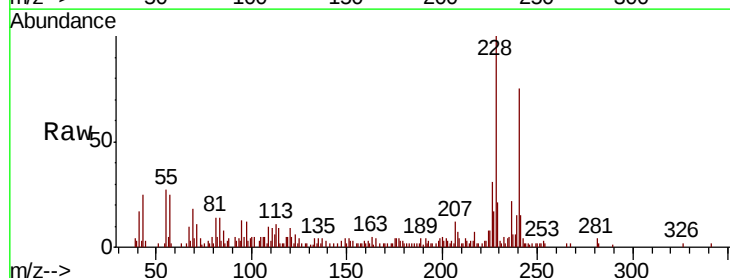
Instrument :
 BNA_F
 ClientSampled :

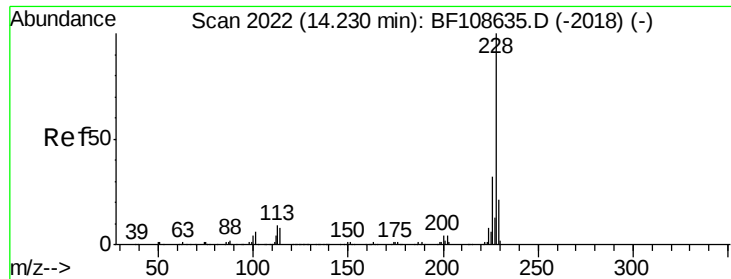
Tot Ion:244 Resp: 469313
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 8.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.158 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. 0.02 min
 Lab File: BF108749.D
 Acq: 4 Sep 2018 19:00

Tgt Ion:228 Resp: 28488
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.6 33.8
 229 21.0 15.8 23.6





#82

Chrysene

Concen: 2.244 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

Instrument :

BNA_F

ClientSampleId :

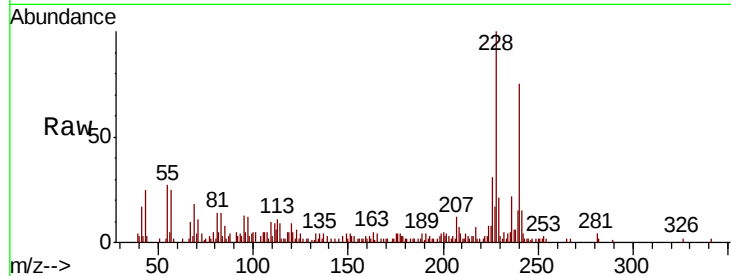
Tot Ion:228 Resp: 28488

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

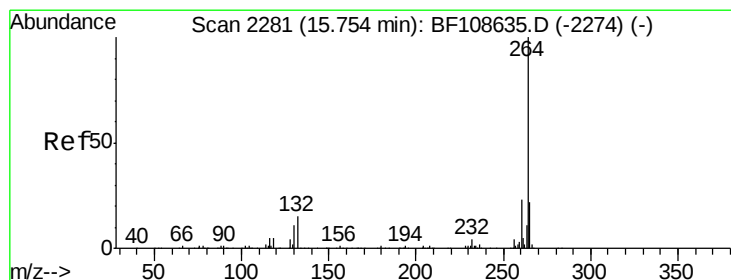
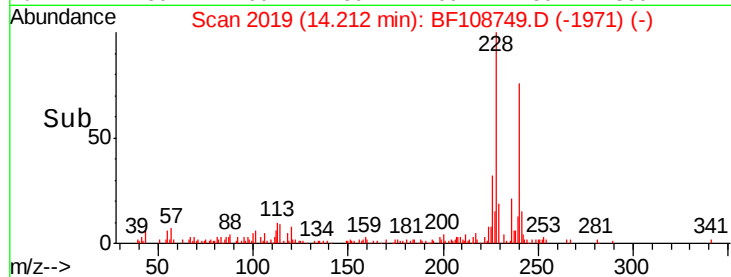
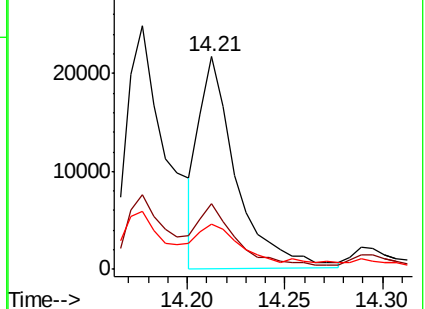
229 21.0 16.2 24.4



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: 15.74 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

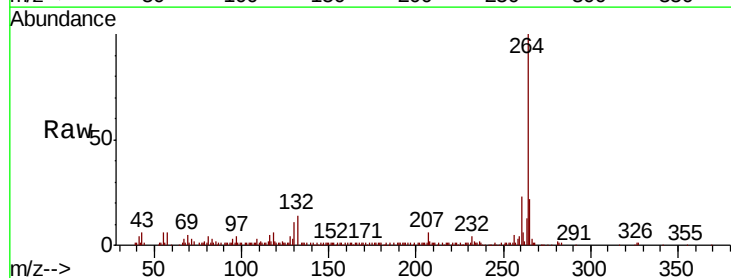
Tgt Ion:264 Resp: 157156

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

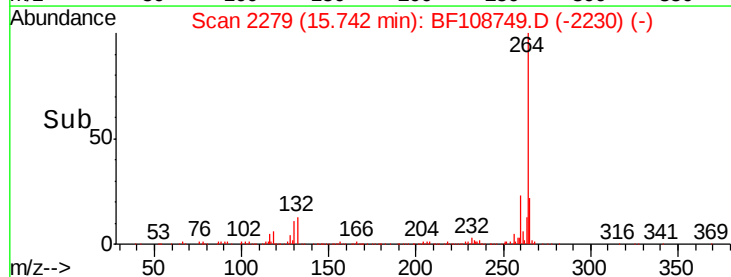
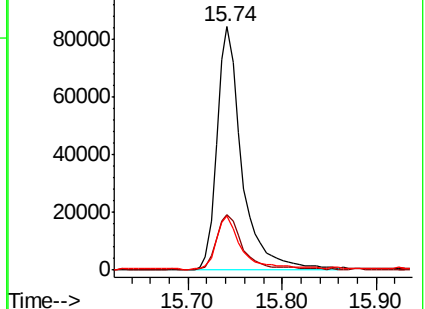
265 22.3 17.5 26.3

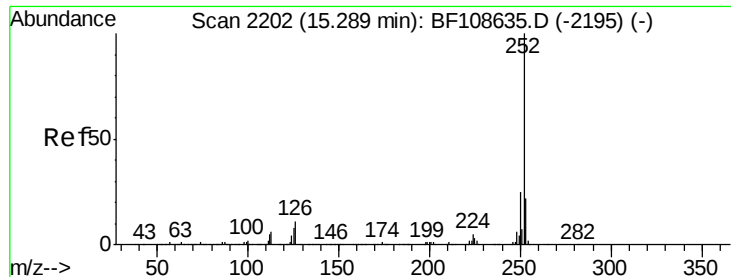


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.940 ng

RT: 15.28 min Scan# 2200

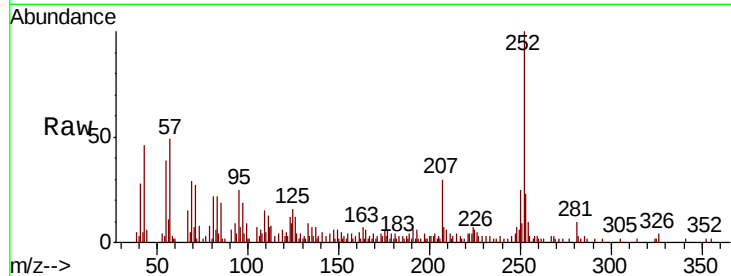
Delta R.T. -0.01 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	16.3	9.0	13.6

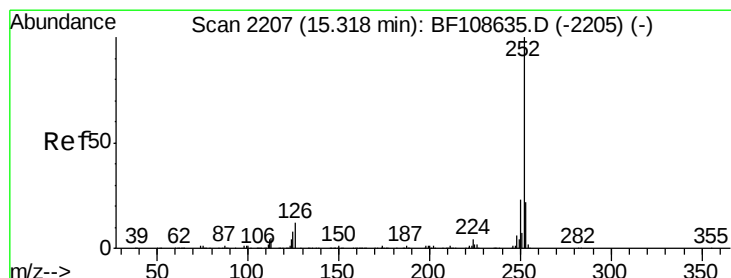
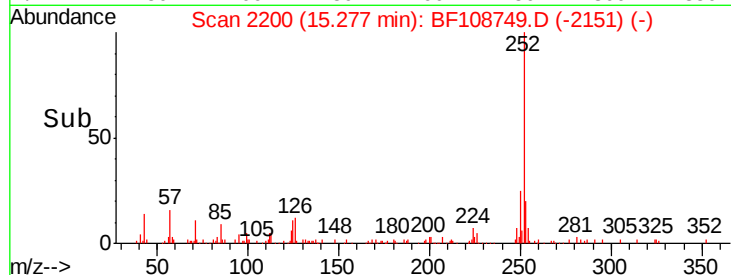
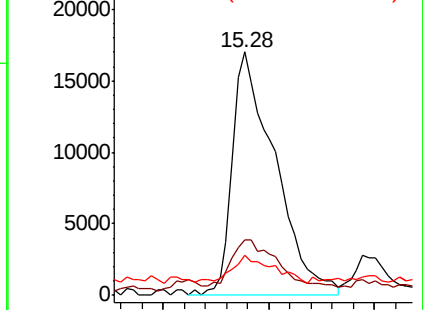


Abundance

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: 4.987 ng

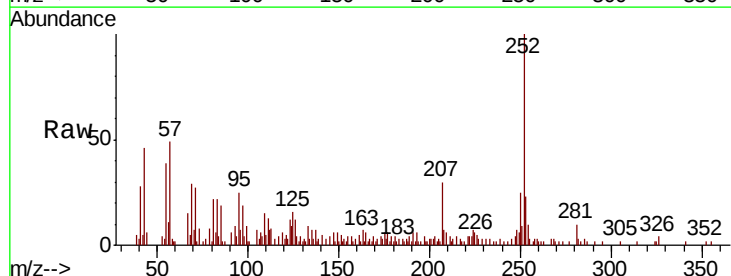
RT: 15.28 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	16.3	10.2	15.2

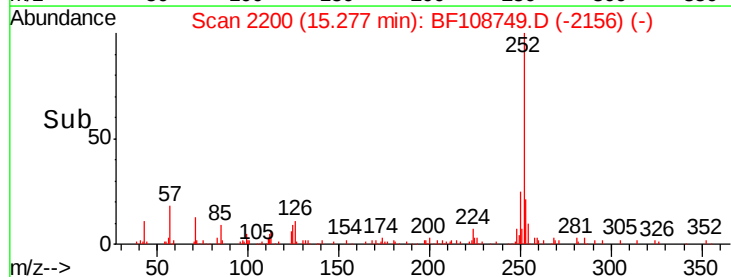
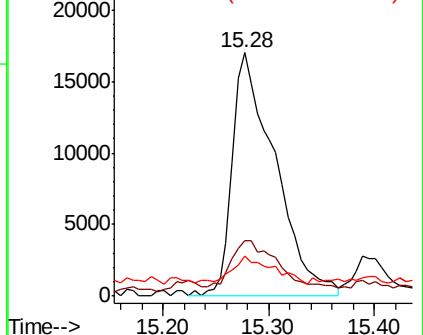


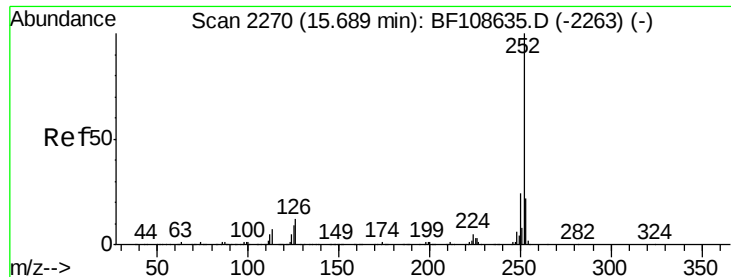
Abundance

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: 2.371 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108749.D

Acq: 4 Sep 2018 19:00

Instrument :

BNA_F

ClientSampleId :

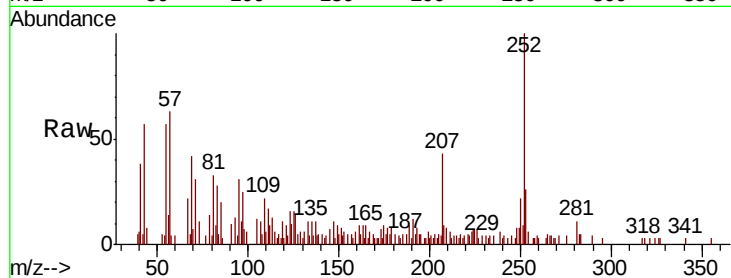
Tot Ion: 252 Resp: 20685

Ion Ratio Lower Upper

252 100

253 26.2 17.1 25.7#

125 16.4 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

