

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082818\
 Data File : BF108572.D
 Acq On : 28 Aug 2018 22:50
 Operator : JU/SJ
 Sample : J4646-13RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-D6RE

Quant Time: Aug 29 01:37:38 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

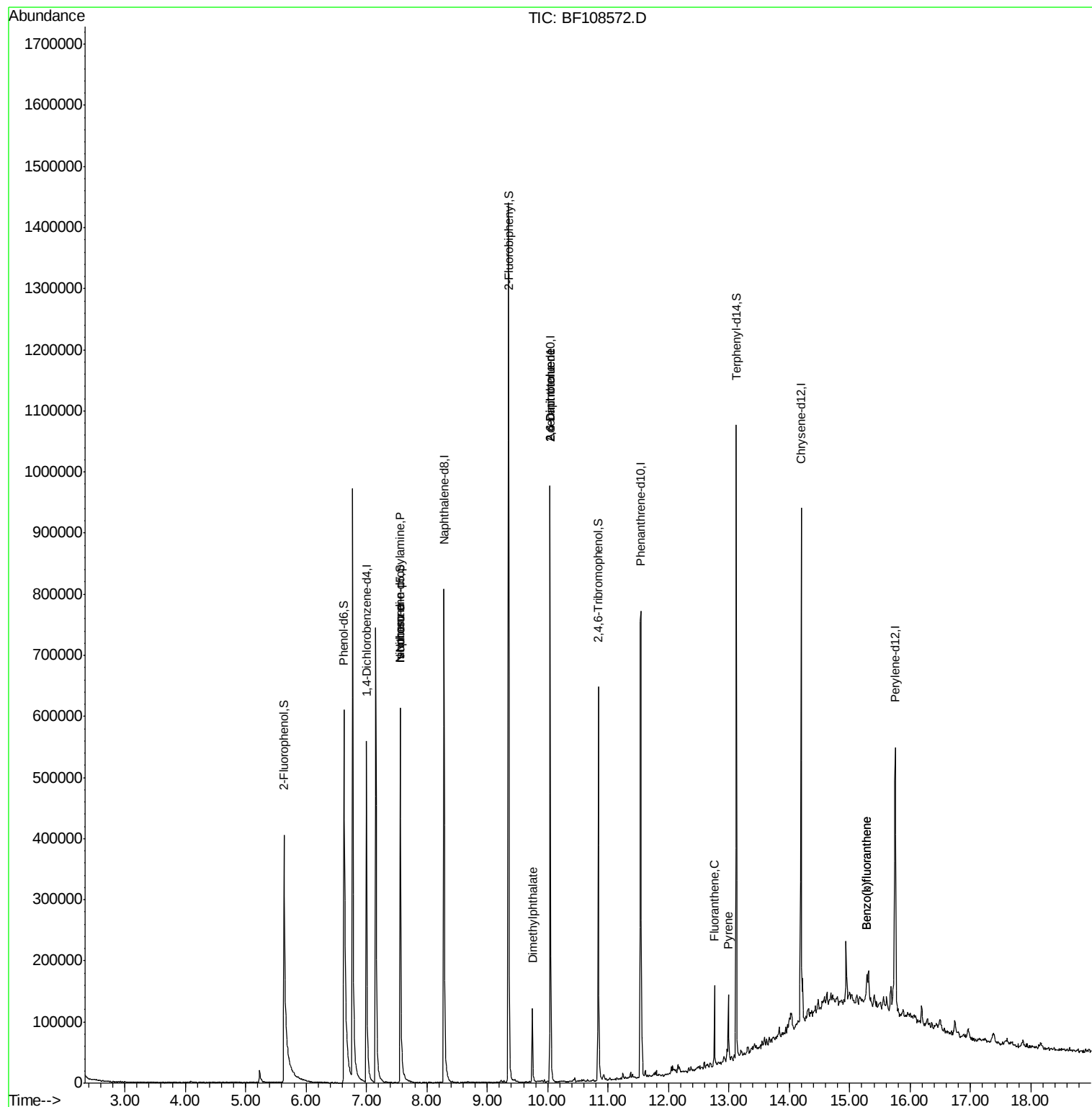
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	110645	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	423554	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	192154	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	310725	20.00	ng	0.00
75) Chrysene-d12	14.19	240	275354	20.00	ng	0.00
86) Perylene-d12	15.75	264	216169	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	270333	44.23	ng	0.00
7) Phenol-d6	6.63	99	392472	48.33	ng	0.00
23) Nitrobenzene-d5	7.56	82	249101	32.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	81087	42.31	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	463742	38.75	ng	-0.01
78) Terphenyl-d14	13.12	244	368569	34.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	33350	6.073	ng	# 80
25) Isophorone	7.56	82	249100	17.218	ng	# 64
49) Dimethylphthalate	9.75	163	58680	4.384	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	24725	8.829	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	24725	6.859	ng	# 24
74) Fluoranthene	12.76	202	50863	3.180	ng	93
77) Pyrene	12.99	202	46568	2.671	ng	96
87) Benzo(b)fluoranthene	15.28	252	34931	2.704	ng	# 95
88) Benzo(k)fluoranthene	15.28	252	34931	2.942	ng	98

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

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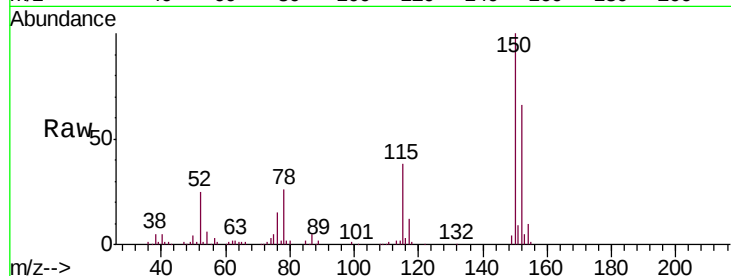


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108572.D
Acq: 28 Aug 2018 22:50

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-D6RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.6	186.8
115	56.9	50.1	75.1

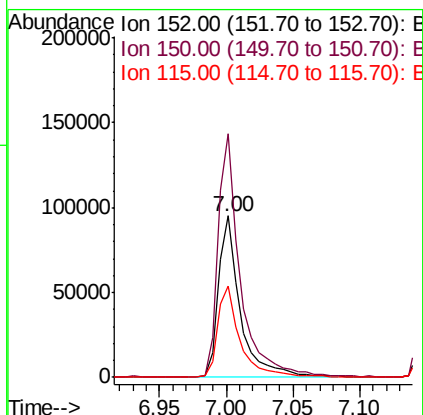
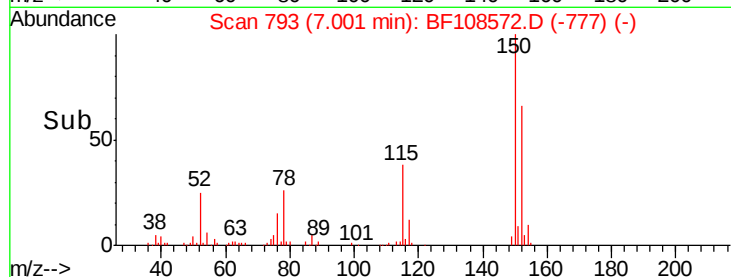


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

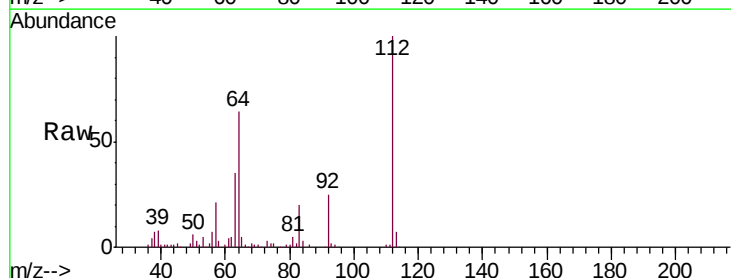
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.234 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108572.D
Acq: 28 Aug 2018 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	47.9	71.9
63	35.4	23.7	35.5

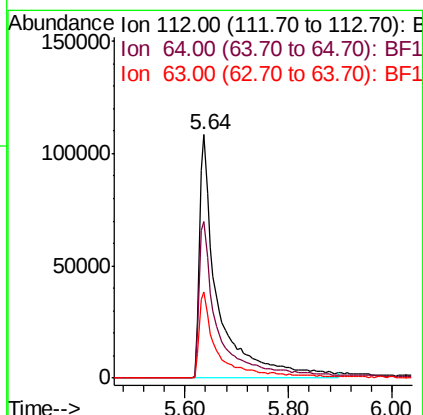
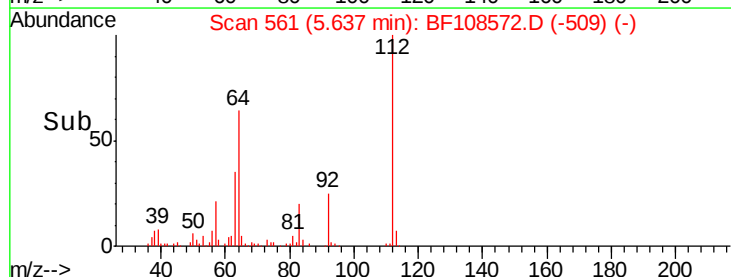


Abundance

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: 48.326 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

Instrument :

BNA_F

ClientSampleId :

EP1-Q4-D6RE

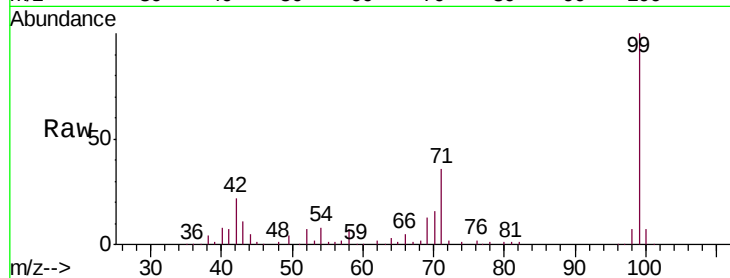
Tgt Ion: 99 Resp: 392472

Ion Ratio Lower Upper

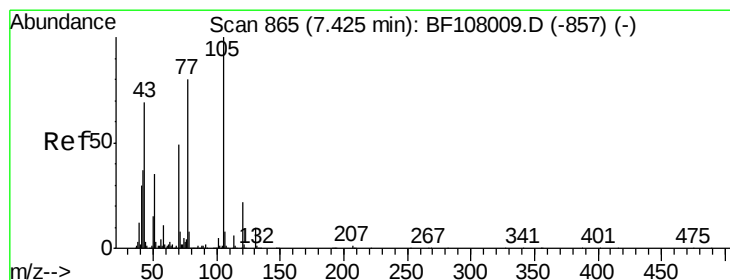
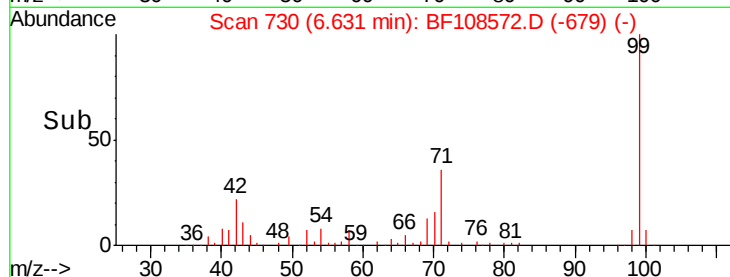
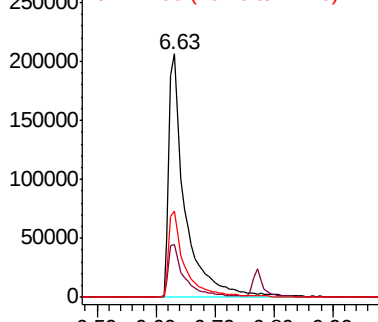
99 100

42 21.9 14.5 21.7#

71 35.7 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: 6.073 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

Tgt Ion: 70 Resp: 33350

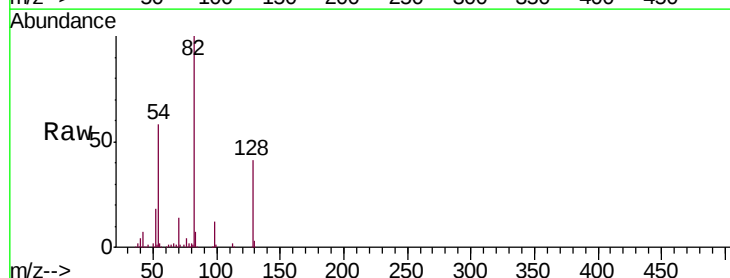
Ion Ratio Lower Upper

70 100

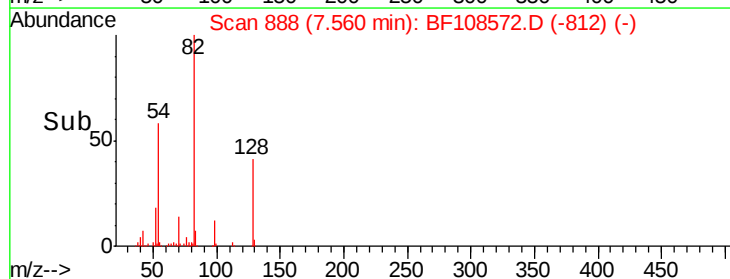
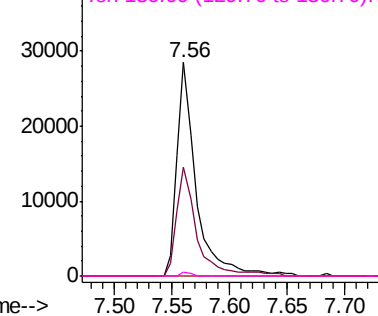
42 50.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

Instrument :

BNA_F

ClientSampleId :

EP1-Q4-D6RE

Tgt Ion:136 Resp: 423554

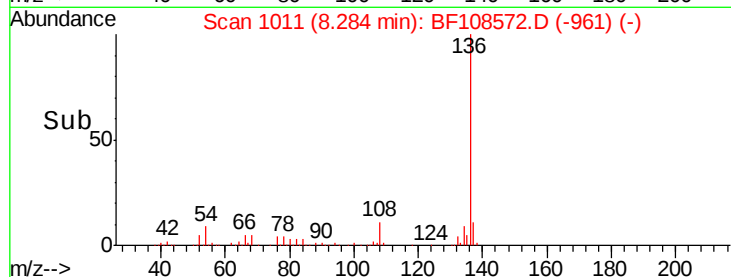
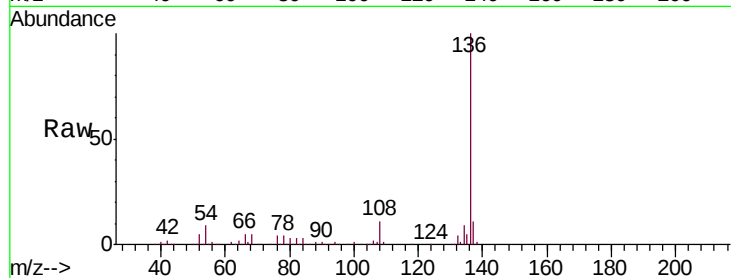
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.5 6.6 9.8

68 5.3 5.0 7.4

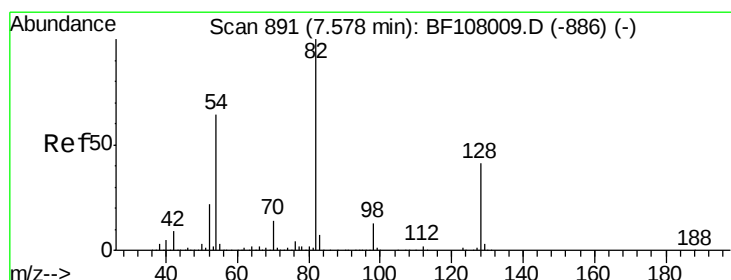
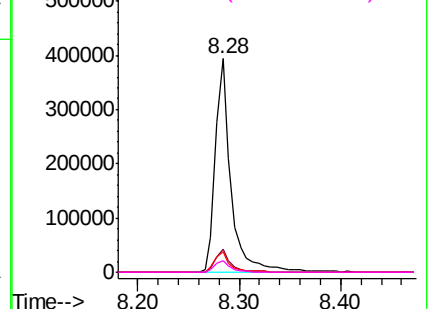


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.818 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

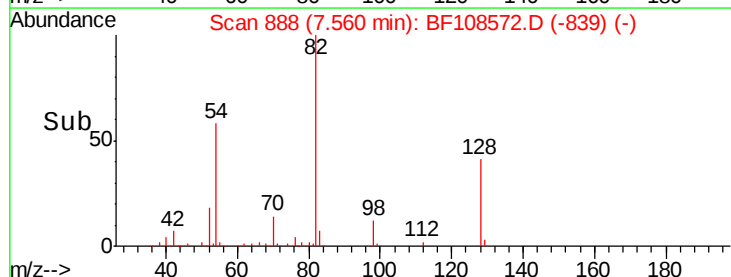
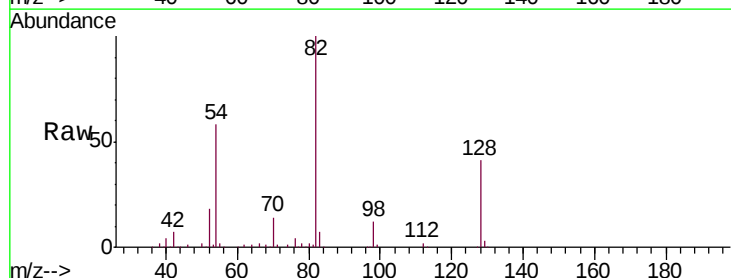
Tgt Ion: 82 Resp: 249101

Ion Ratio Lower Upper

82 100

128 41.0 36.1 54.1

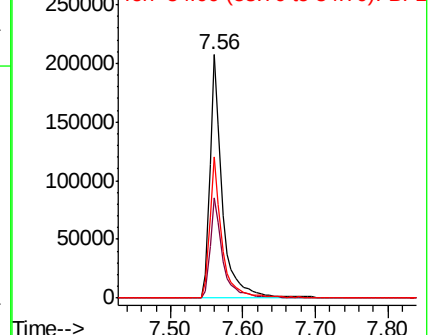
54 58.0 41.4 62.2



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: 17.218 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

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ClientSampleId :

EP1-Q4-D6RE

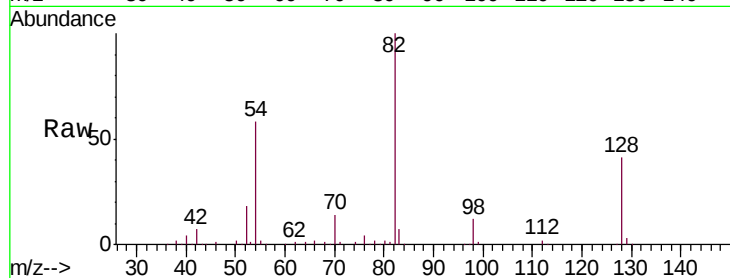
Tgt Ion: 82 Resp: 249100

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

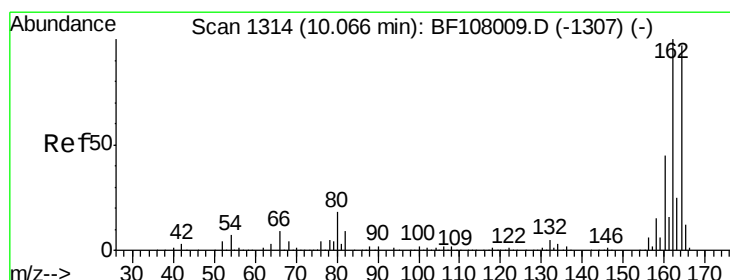
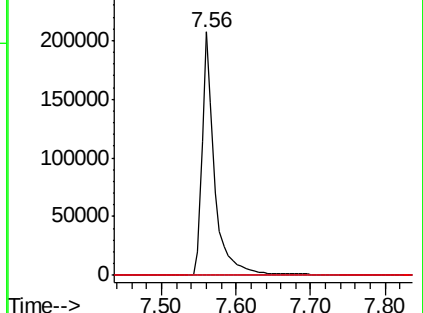
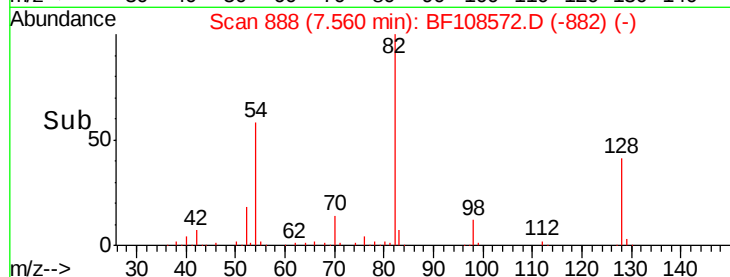
138 0.0 14.9 22.3#



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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

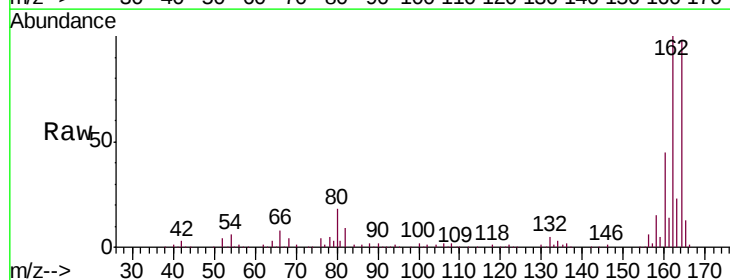
Tgt Ion: 164 Resp: 192154

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

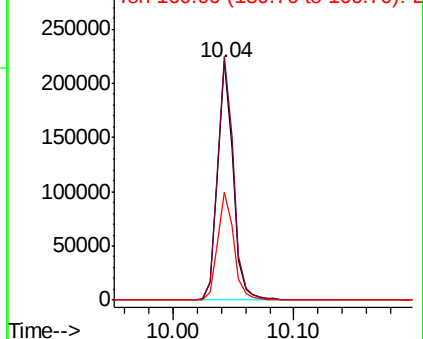
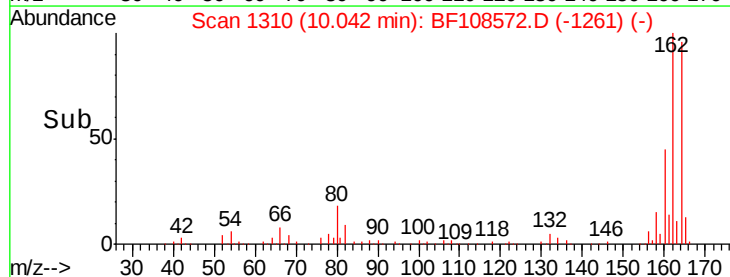
160 45.6 38.3 57.5

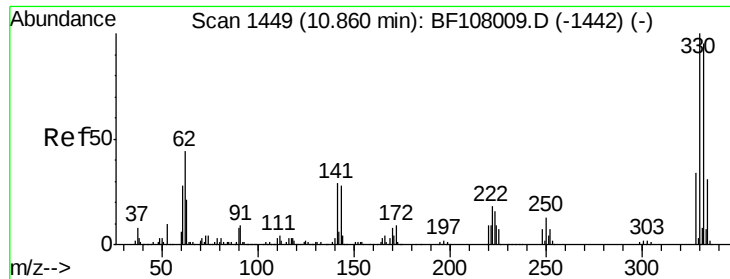


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

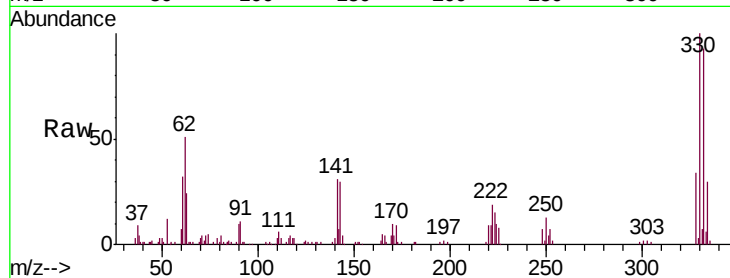




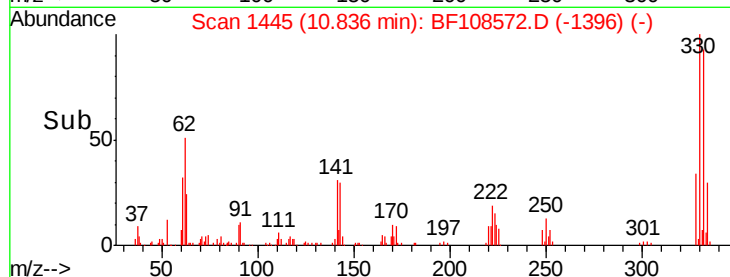
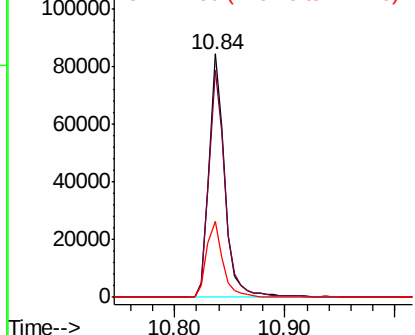
#41
 2,4,6-Tribromophenol
 Concen: 42.306 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108572.D
 Acq: 28 Aug 2018 22:50

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-D6RE

Tgt Ion:330 Resp: 81087
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 32.0 29.9 44.9

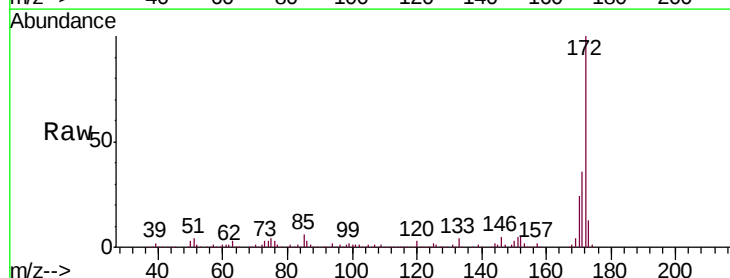


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

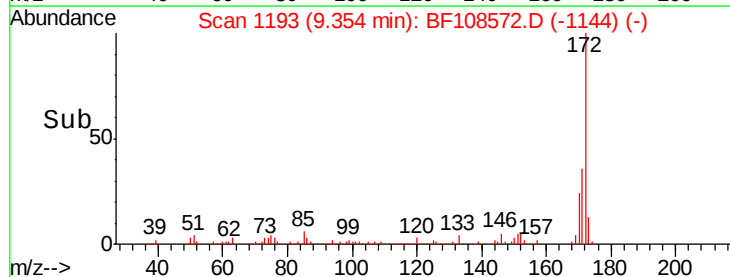
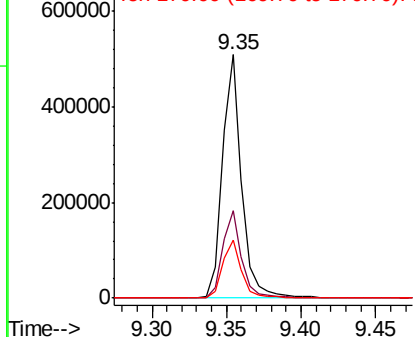


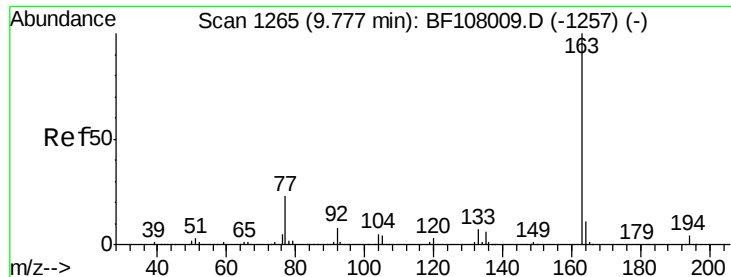
#44
 2-Fluorobiphenyl
 Concen: 38.746 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108572.D
 Acq: 28 Aug 2018 22:50

Tgt Ion:172 Resp: 463742
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.6 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

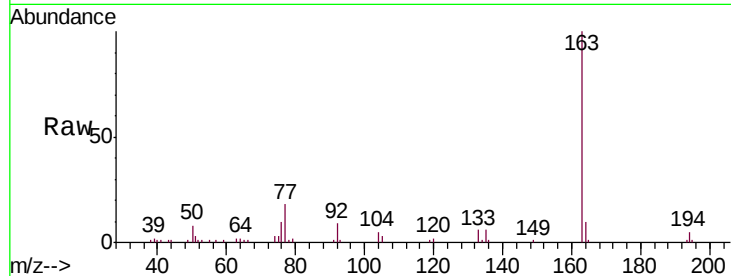




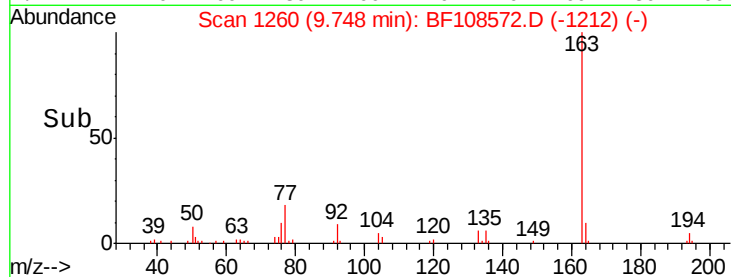
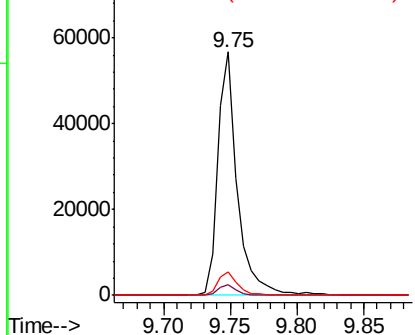
#49
Dimethylphthalate
Concen: 4.384 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108572.D
Acq: 28 Aug 2018 22:50

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-D6RE

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	9.9	8.2	12.2

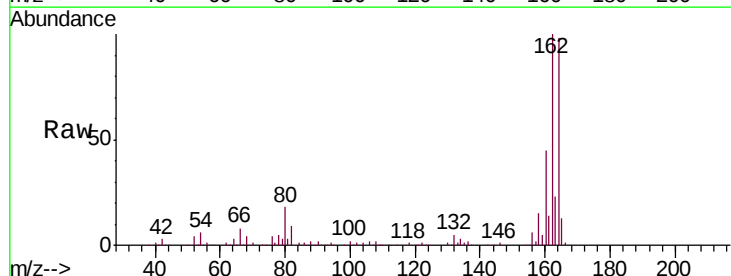


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

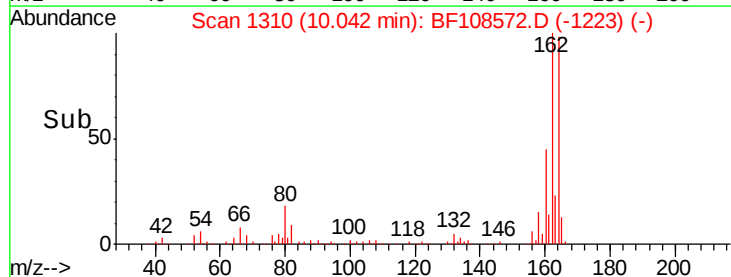
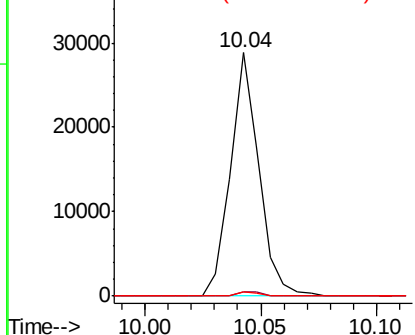


#50
2,6-Dinitrotoluene
Concen: 8.829 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108572.D
Acq: 28 Aug 2018 22:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.7	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

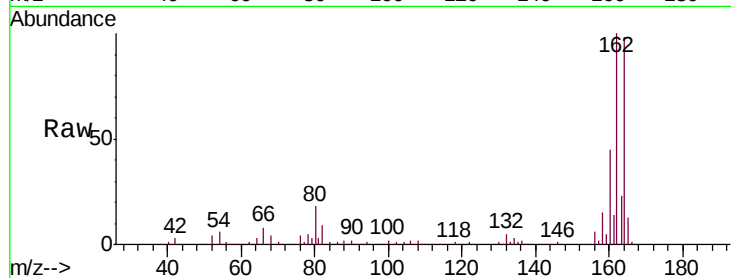




#56
 2,4-Dinitrotoluene
 Concen: 6.859 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108572.D
 Acq: 28 Aug 2018 22:50

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-D6RE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

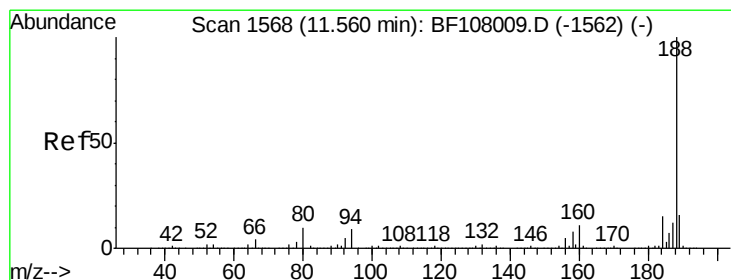
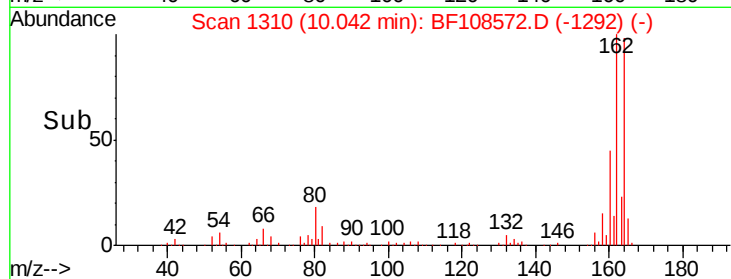
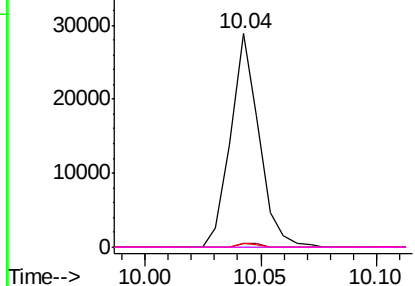


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

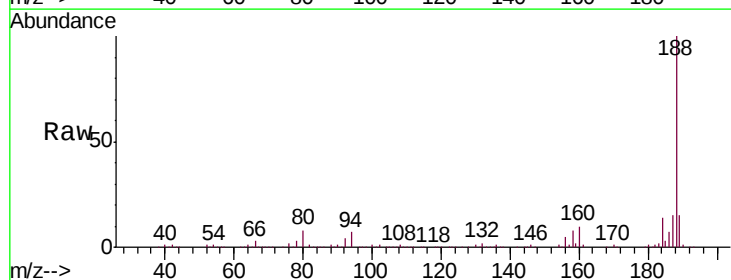
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108572.D
 Acq: 28 Aug 2018 22:50

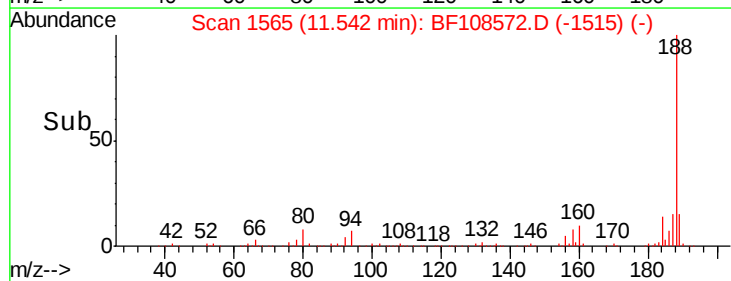
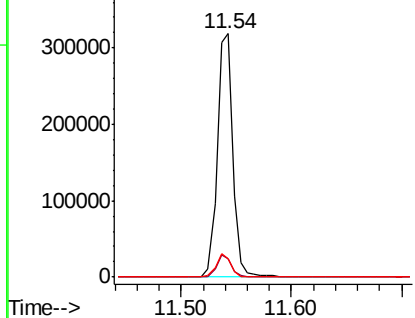
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	8.5	12.7#
80	7.8	9.2	13.8#

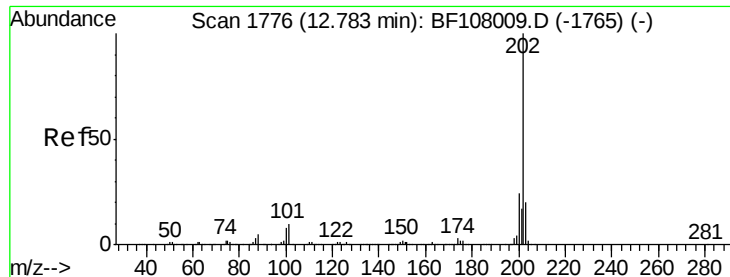


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#74

Fluoranthene

Concen: 3.180 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

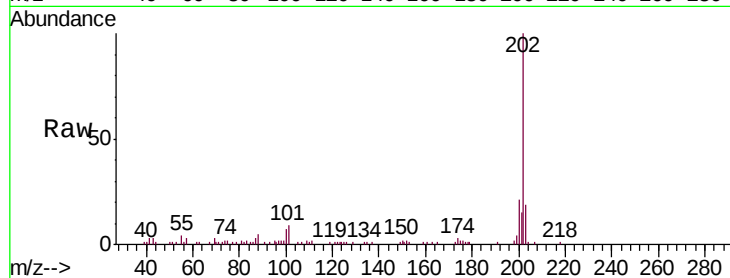
Instrument :

BNA_F

ClientSampleId :

EP1-Q4-D6RE

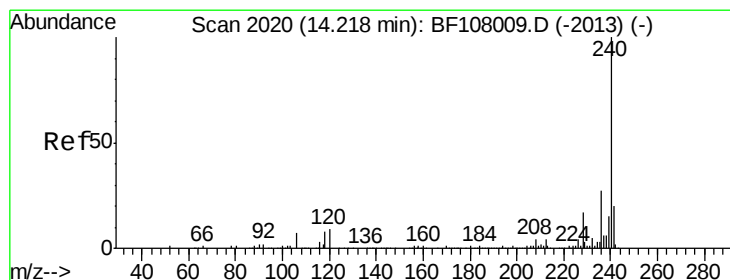
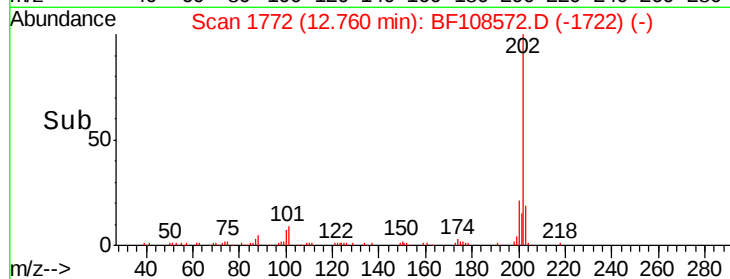
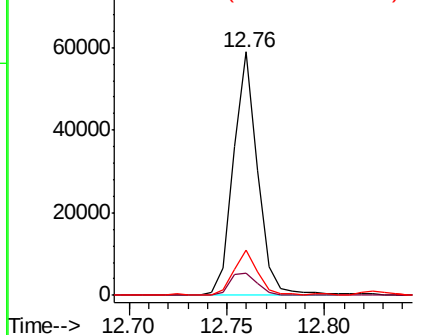
Tgt Ion:	202	Resp:	50863
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	34.1
203	18.8	0.0	38.1



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

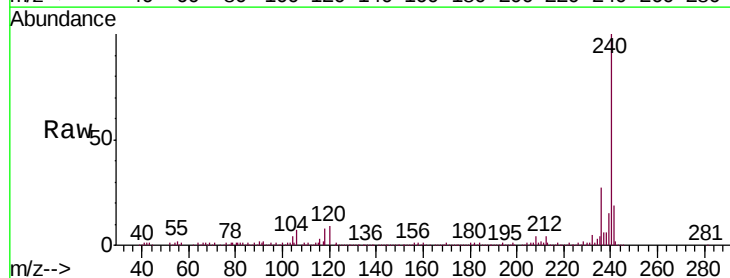
RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

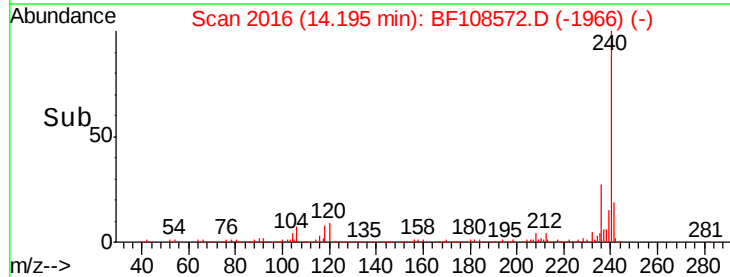
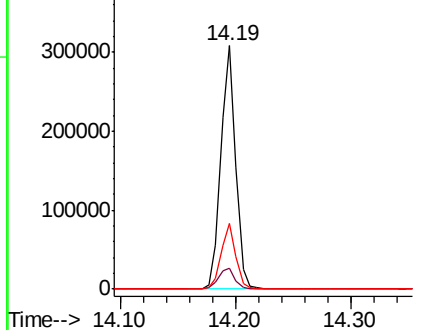
Tgt Ion:	240	Resp:	275354
Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	26.8	20.7	31.1

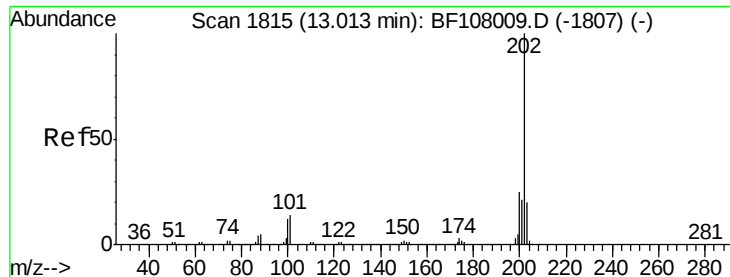


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.671 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

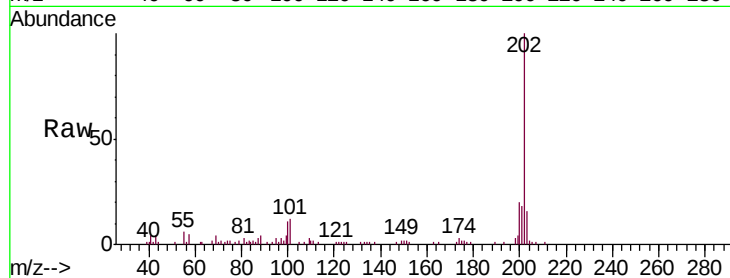
Instrument :

BNA_F

ClientSampleId :

EP1-Q4-D6RE

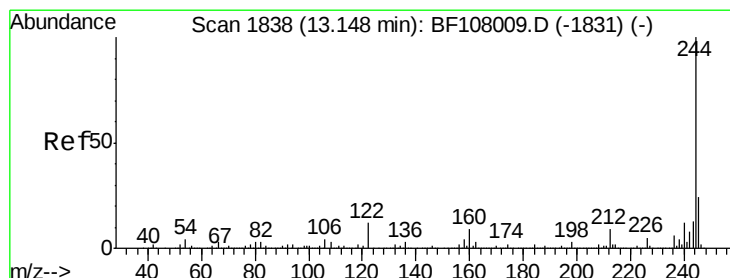
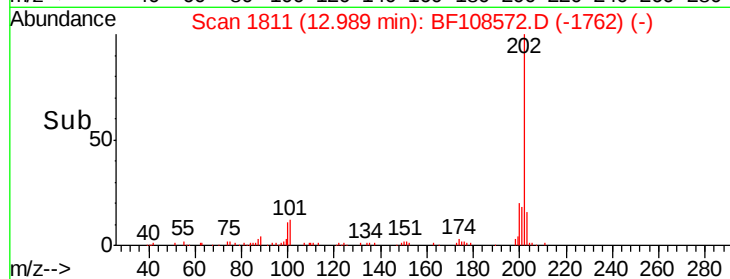
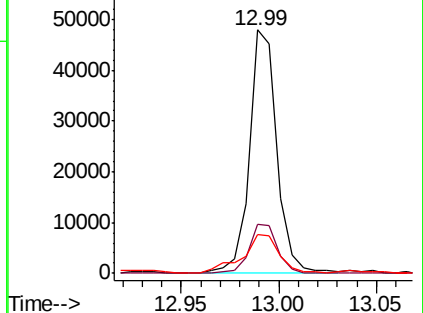
Tgt Ion:	202	Resp:	46568
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	15.9	14.3	21.5



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: 34.033 ng

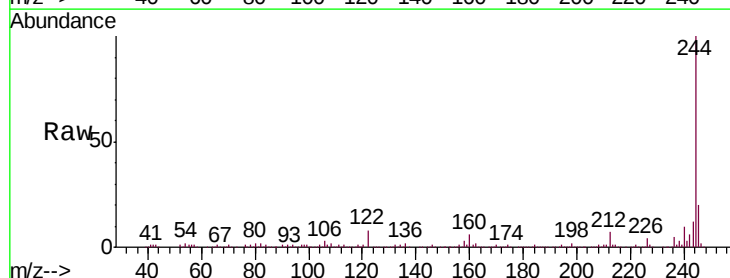
RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108572.D

Acq: 28 Aug 2018 22:50

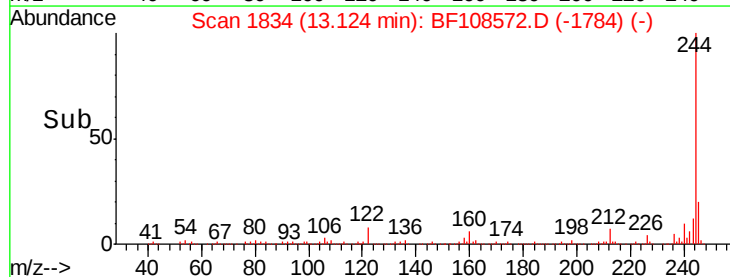
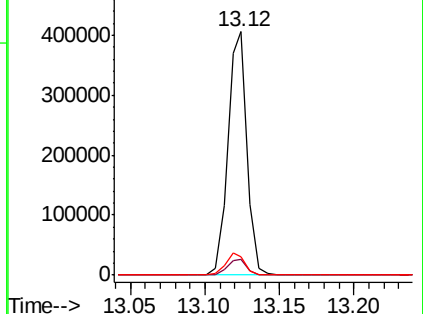
Tgt Ion:	244	Resp:	368569
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	7.7	11.0	16.4#

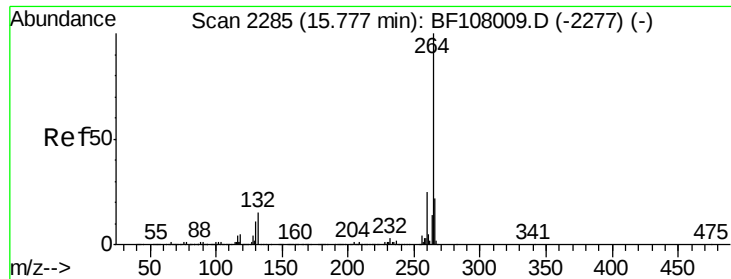


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



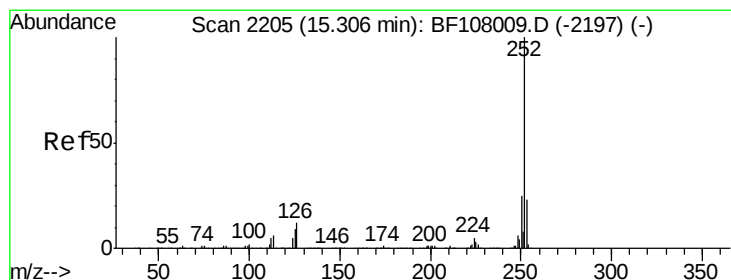
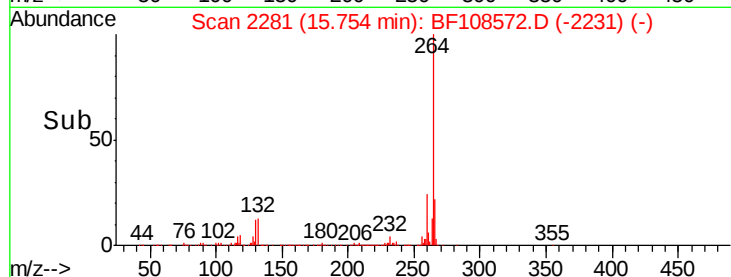
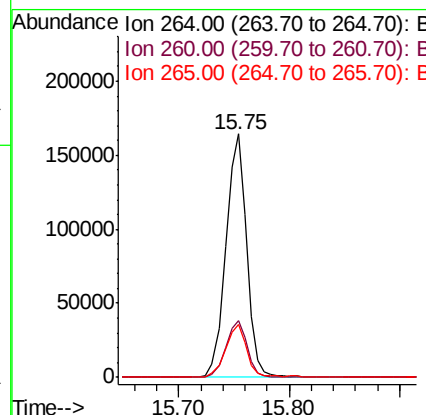
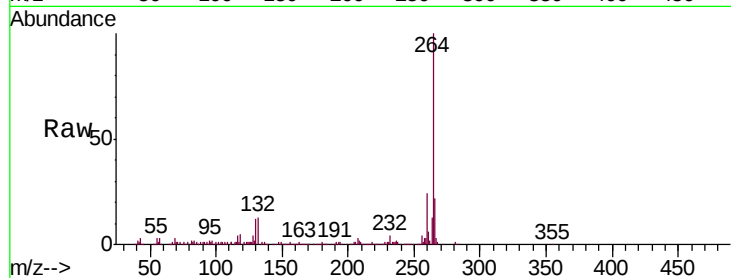


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108572.D
Acq: 28 Aug 2018 22:50

Instrument :
BNA_F
ClientSampleId :
EP1-Q4-D6RE

Tgt Ion: 264 Resp: 216169

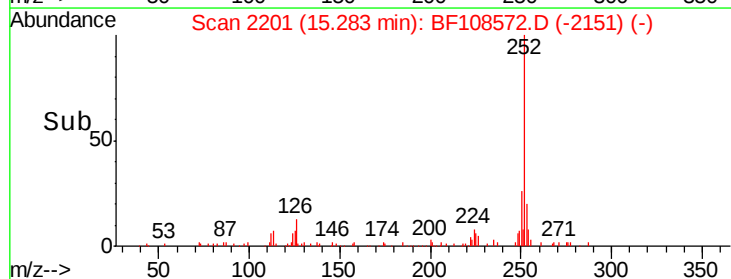
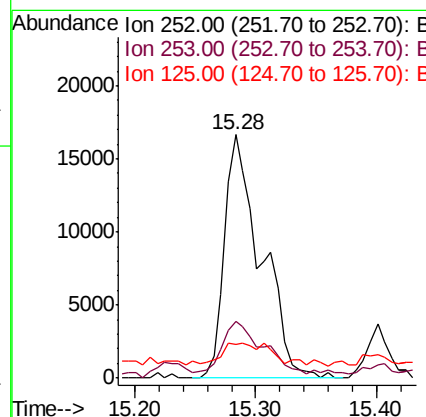
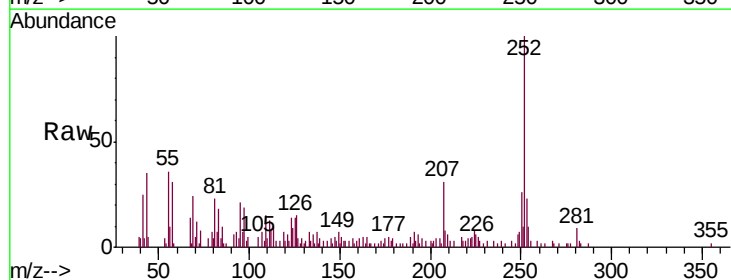
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.7	17.5	26.3

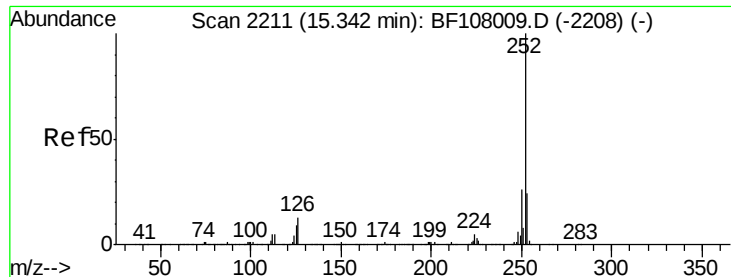


#87
Benzo(b)fluoranthene
Concen: 2.704 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108572.D
Acq: 28 Aug 2018 22:50

Tgt Ion: 252 Resp: 34931

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.7	9.0	13.6#

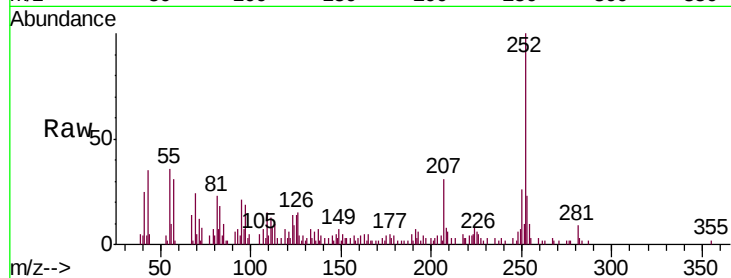




#88
 Benzo(k)fluoranthene
 Concen: 2.942 ng
 RT: 15.28 min Scan# 2201
 Delta R.T. -0.04 min
 Lab File: BF108572.D
 Acq: 28 Aug 2018 22:50

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q4-D6RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	13.7	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

