

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108345.D
 Acq On : 21 Aug 2018 18:53
 Operator : JU/SJ
 Sample : J4521-01 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2286

Quant Time: Aug 21 23:18:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

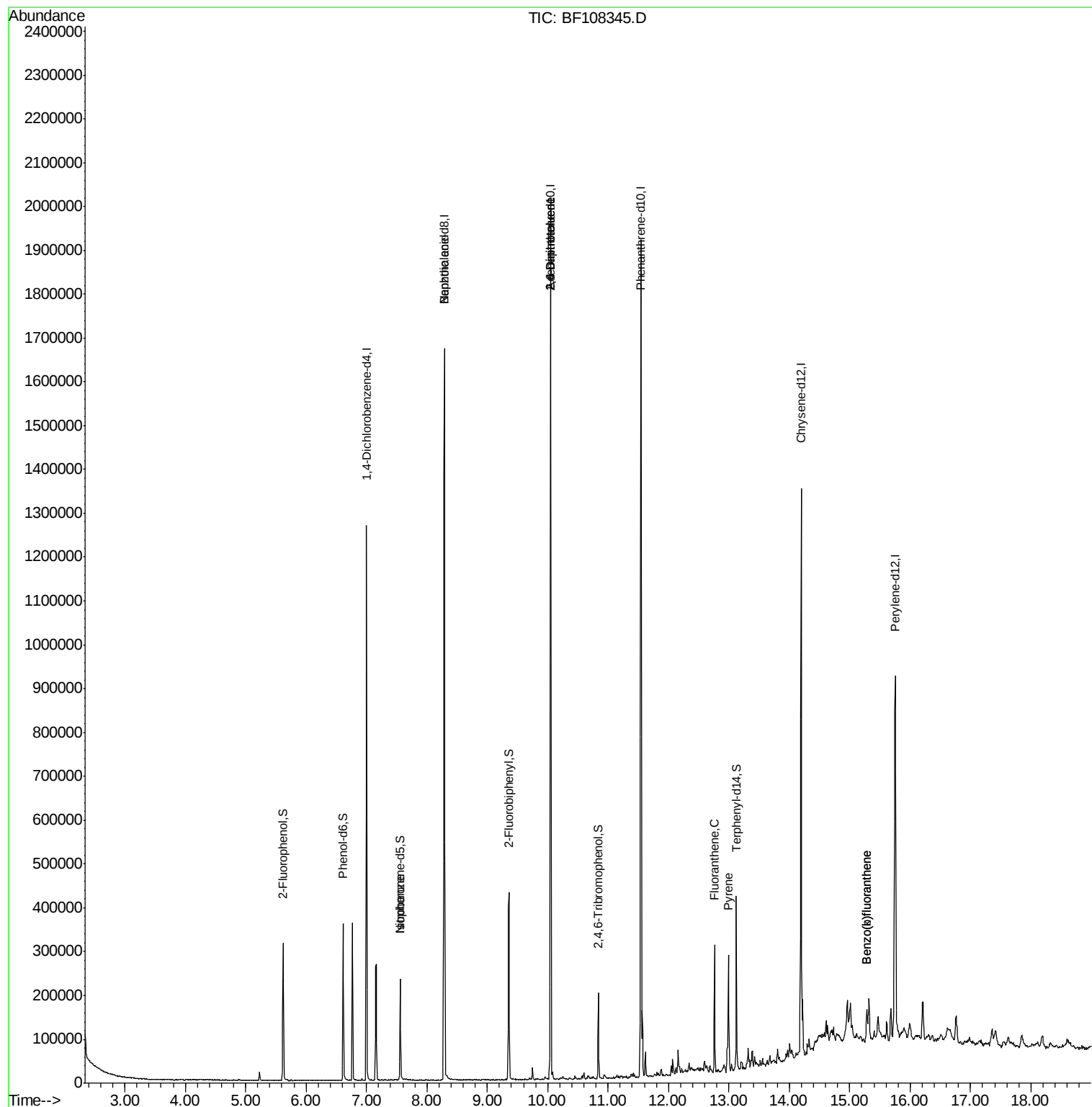
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	187816	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	754444	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	389028	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	725211	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	412436	20.00	ng	-0.02
86) Perylene-d12	15.75	264	410782	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	76683	7.39	ng	-0.01
7) Phenol-d6	6.61	99	111578	8.09	ng	-0.02
23) Nitrobenzene-d5	7.56	82	72101	5.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	22628	5.83	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	142464	5.88	ng	-0.02
78) Terphenyl-d14	13.12	244	124378	7.67	ng	-0.02
Target Compounds						
25) Isophorone	7.56	82	70093	2.720	ng	# 64
32) Benzoic acid	8.29	122	136	5.992	ng	# 1
50) 2,6-Dinitrotoluene	10.05	165	49863	8.795	ng	# 25
56) 2,4-Dinitrotoluene	10.05	165	49863	6.832	ng	# 23
74) Fluoranthene	12.76	202	114268	3.061	ng	97
77) Pyrene	12.99	202	102530	3.927	ng	98
87) Benzo(b)fluoranthene	15.28	252	58184	2.370	ng	95
88) Benzo(k)fluoranthene	15.28	252	58184	2.579	ng	98

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

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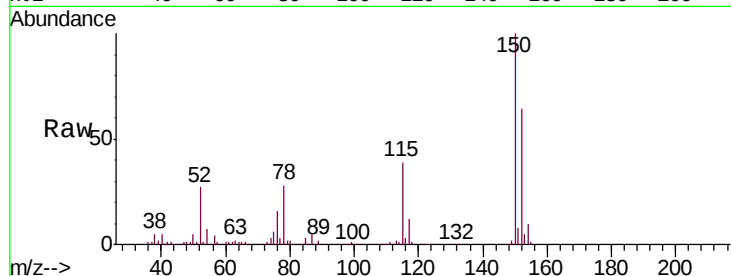


#1

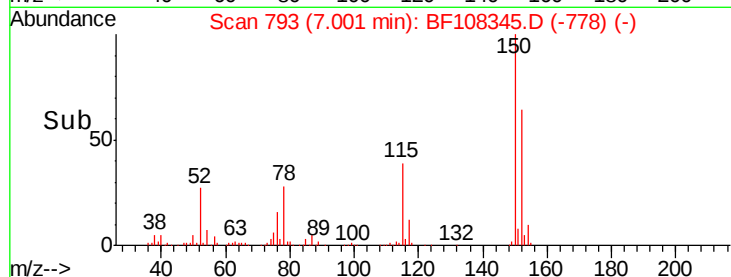
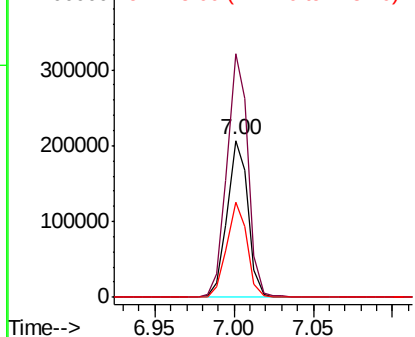
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108345.D
Acq: 21 Aug 2018 18:53

Instrument :
BNA_F
ClientSampleId :
RT2286

Tgt Ion:152 Resp: 187816
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 60.2 50.1 75.1



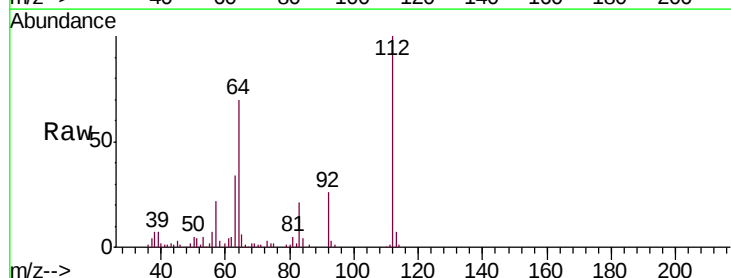
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



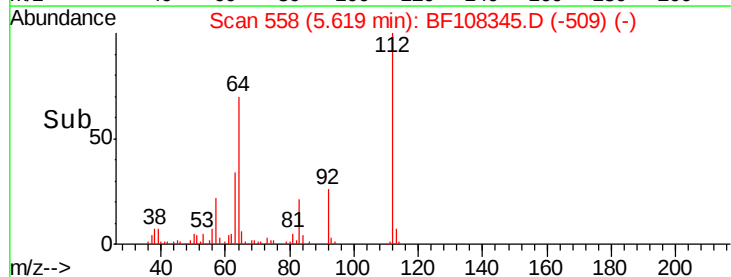
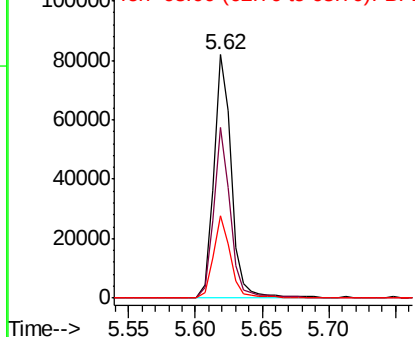
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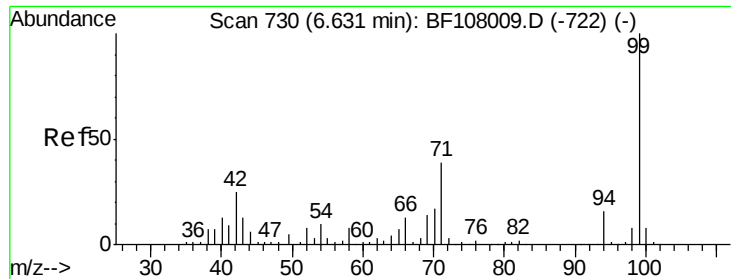
2-Fluorophenol
Concen: 7.392 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108345.D
Acq: 21 Aug 2018 18:53

Tgt Ion:112 Resp: 76683
Ion Ratio Lower Upper
112 100
64 70.4 47.9 71.9
63 33.7 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: 8.094 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108345.D

Acq: 21 Aug 2018 18:53

Instrument :

BNA_F

ClientSampleId :

RT2286

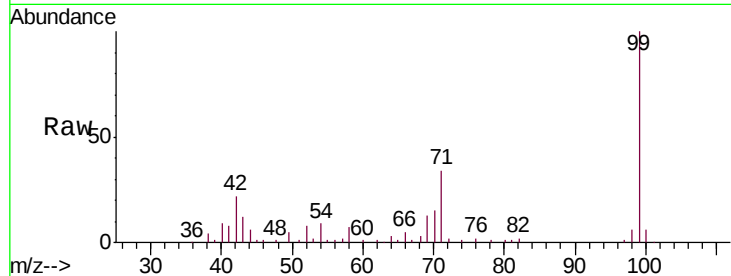
Tgt Ion: 99 Resp: 111578

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

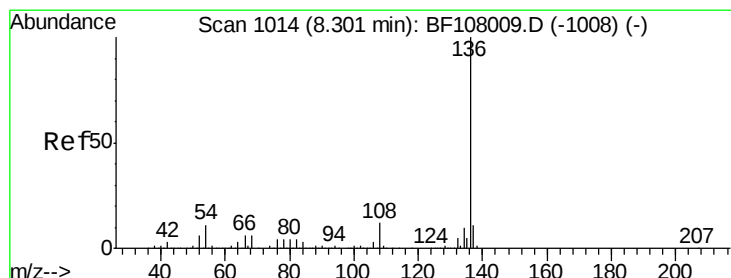
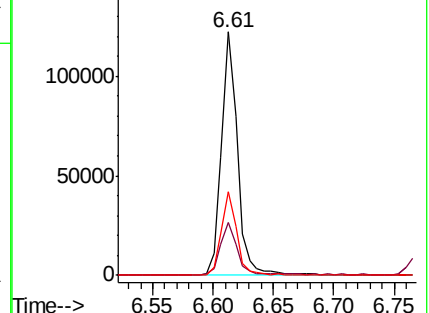
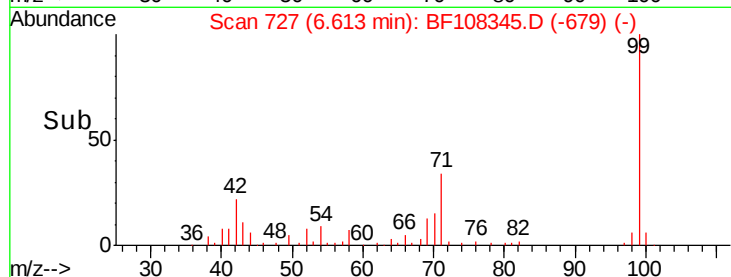
71 34.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108345.D

Acq: 21 Aug 2018 18:53

Tgt Ion: 136 Resp: 754444

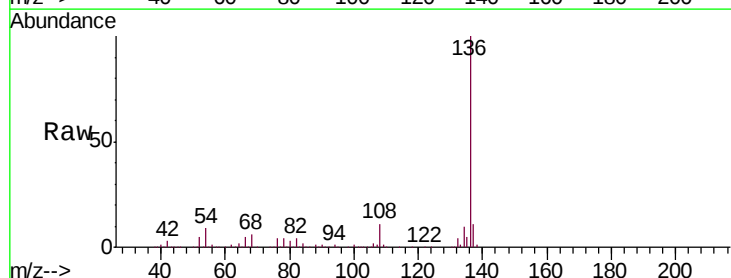
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.4 6.6 9.8

68 6.0 5.0 7.4

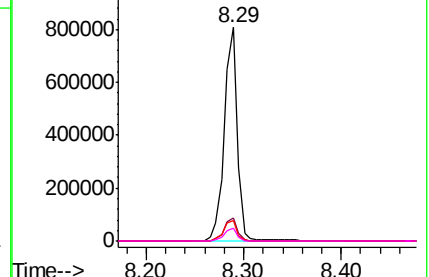
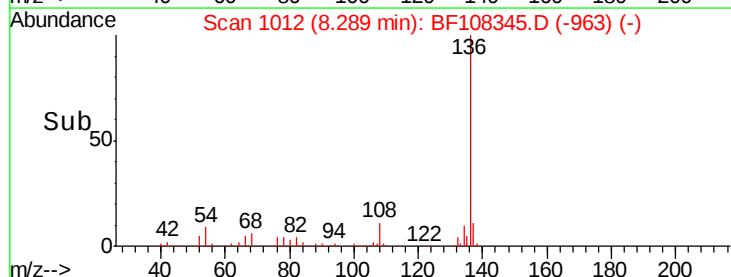


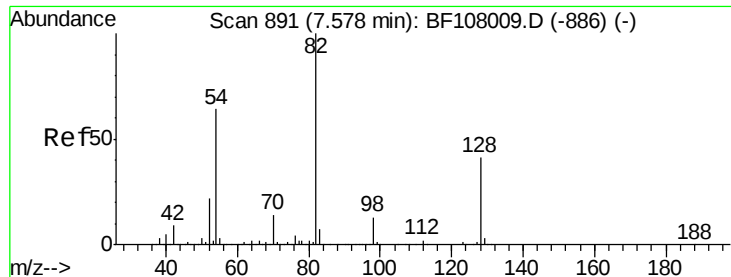
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

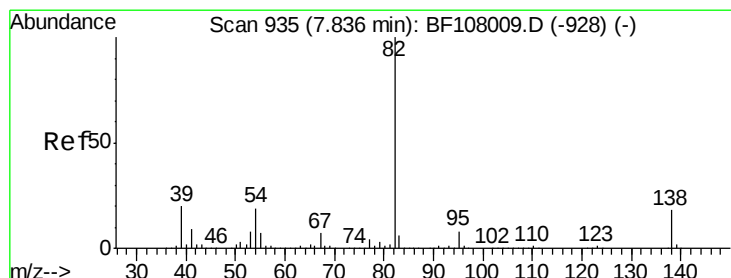
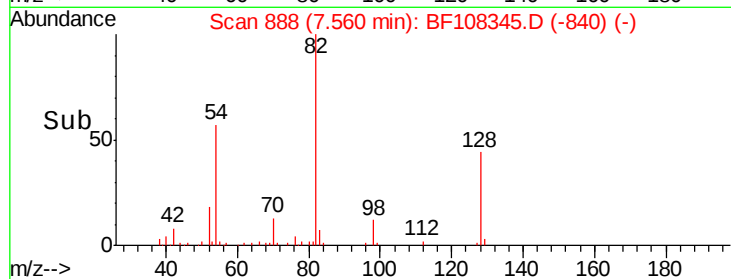
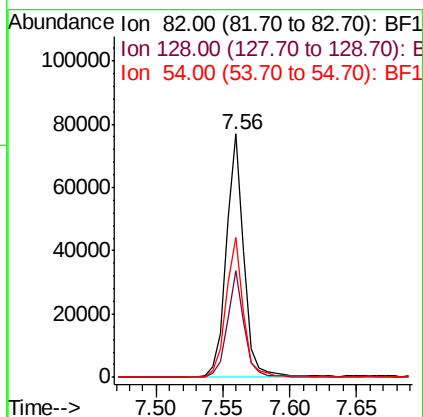
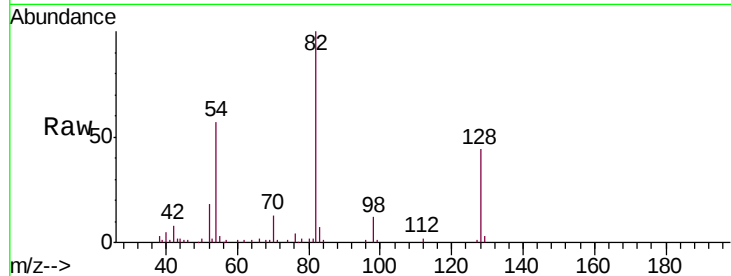




#23
 Nitrobenzene-d5
 Concen: 5.333 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF108345.D
 Acq: 21 Aug 2018 18:53

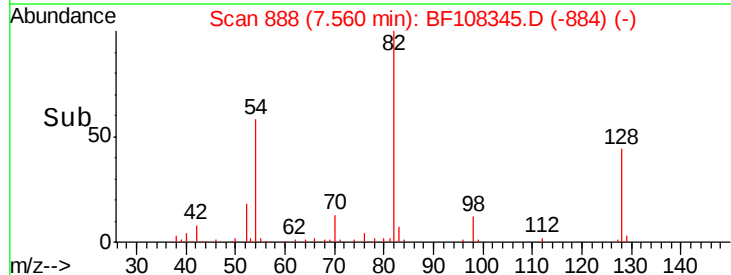
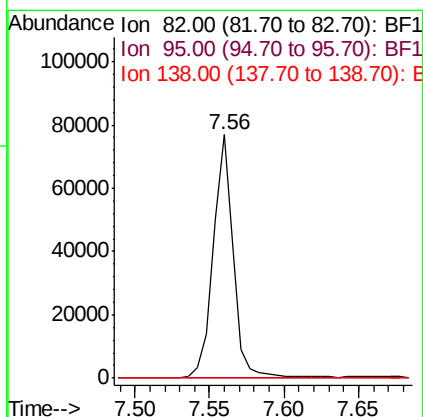
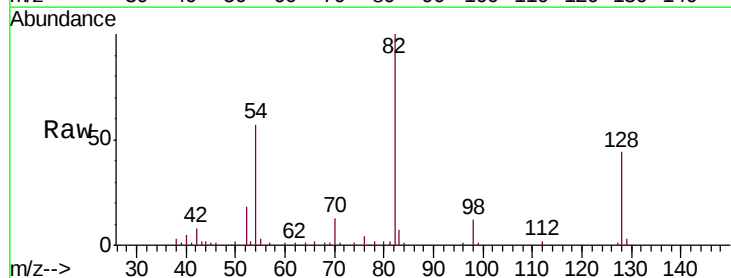
Instrument :
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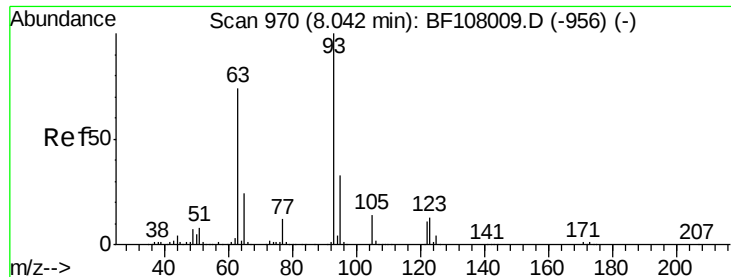
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	57.3	41.4	62.2



#25
 Isophorone
 Concen: 2.720 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BF108345.D
 Acq: 21 Aug 2018 18:53

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

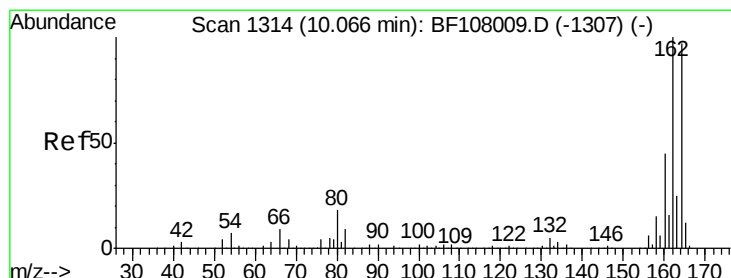
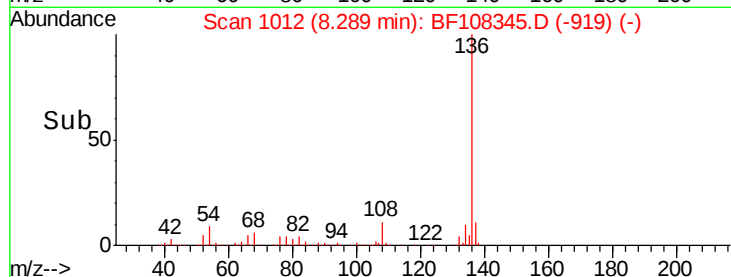
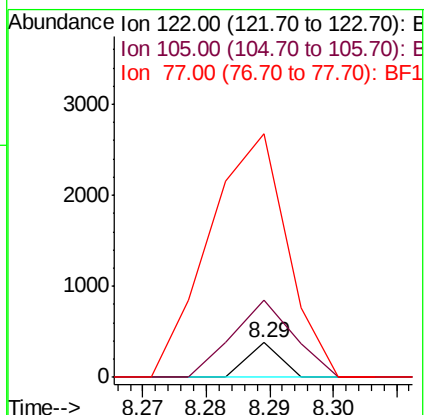
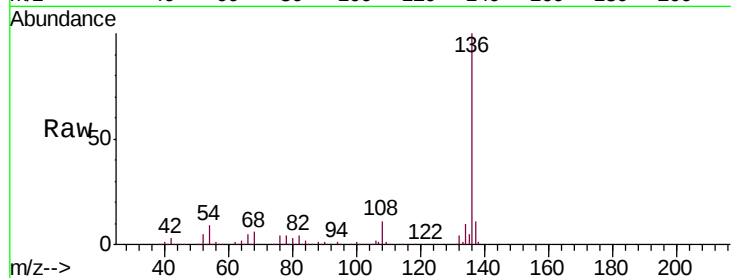




#32
Benzoic acid
Concen: 5.992 ng
RT: 8.29 min Scan# 1012
Delta R.T. 0.25 min
Lab File: BF108345.D
Acq: 21 Aug 2018 18:53

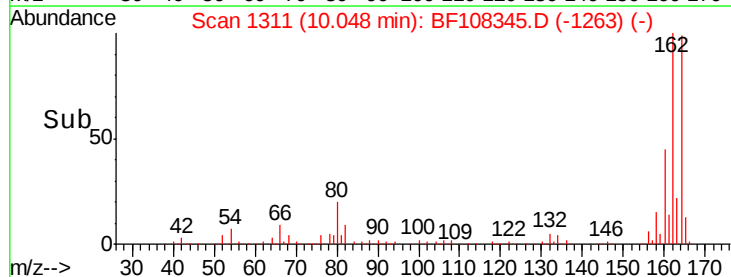
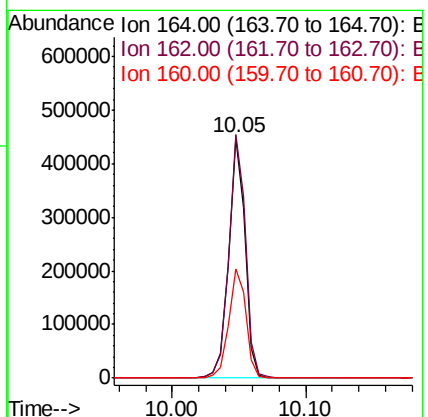
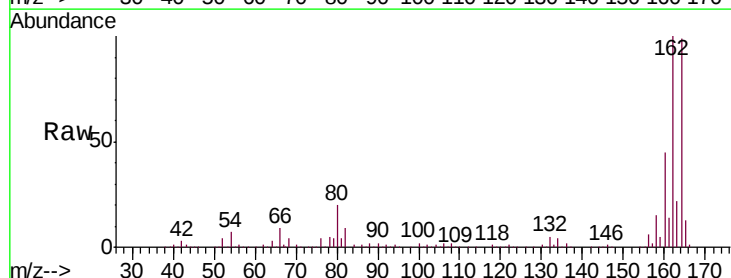
Instrument :
BNA_F
ClientSampleId :
RT2286

Tgt Ion:122 Resp: 136
Ion Ratio Lower Upper
122 100
105 220.8 101.1 141.1#
77 696.6 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108345.D
Acq: 21 Aug 2018 18:53

Tgt Ion:164 Resp: 389028
Ion Ratio Lower Upper
164 100
162 101.5 86.1 129.1
160 45.5 38.3 57.5

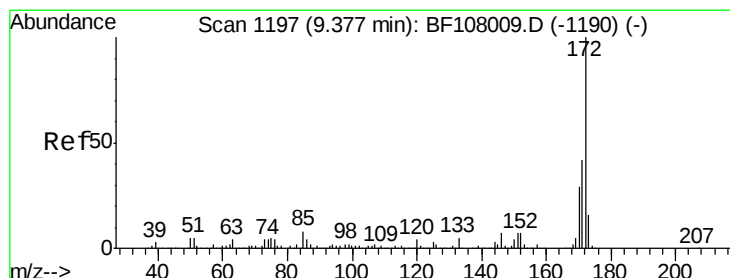
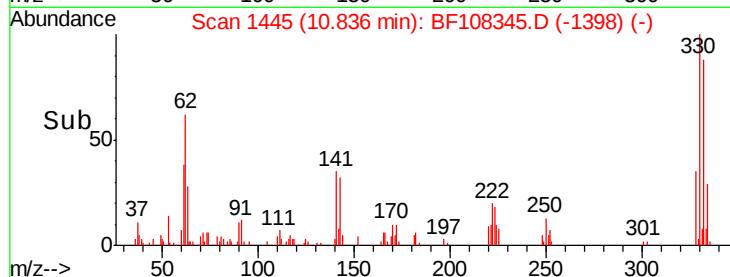
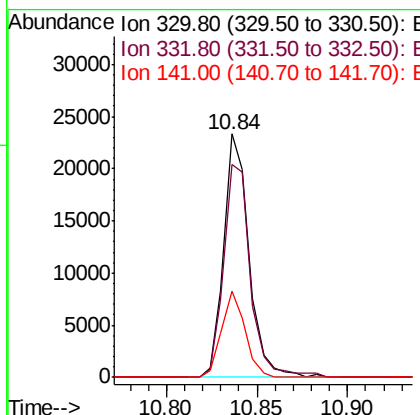
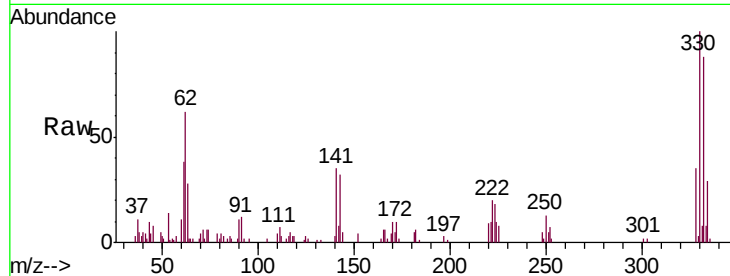




#41
 2,4,6-Tribromophenol
 Concen: 5.831 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF108345.D
 Acq: 21 Aug 2018 18:53

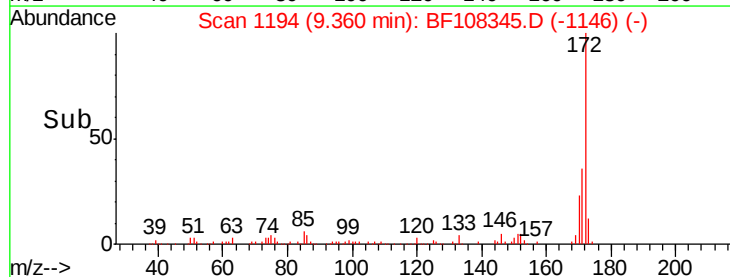
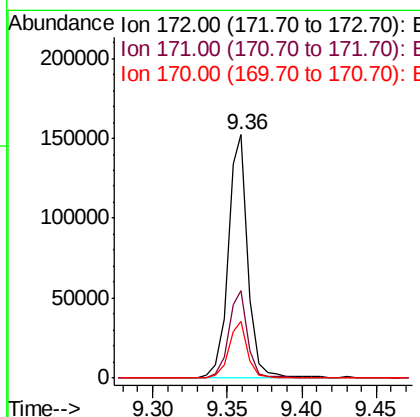
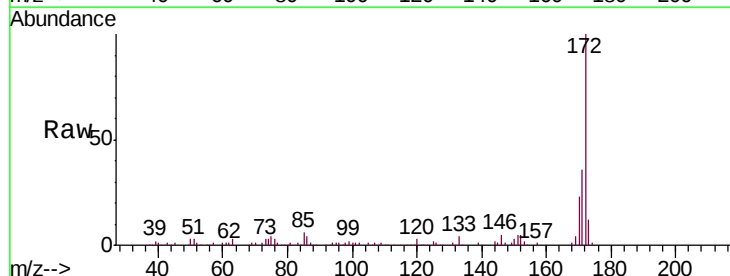
Instrument :
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 ClientSampleId :
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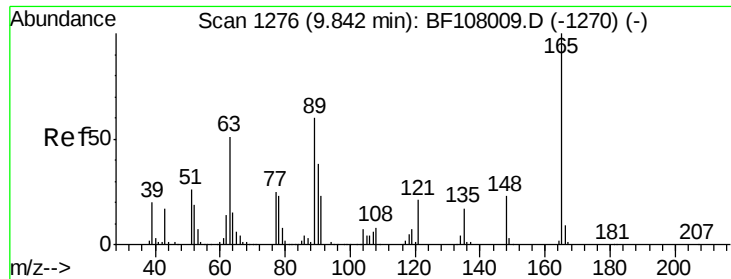
Tgt Ion:330 Resp: 22628
 Ion Ratio Lower Upper
 330 100
 332 93.2 77.0 115.6
 141 32.8 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 5.879 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108345.D
 Acq: 21 Aug 2018 18:53

Tgt Ion:172 Resp: 142464
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.3 19.6 29.4

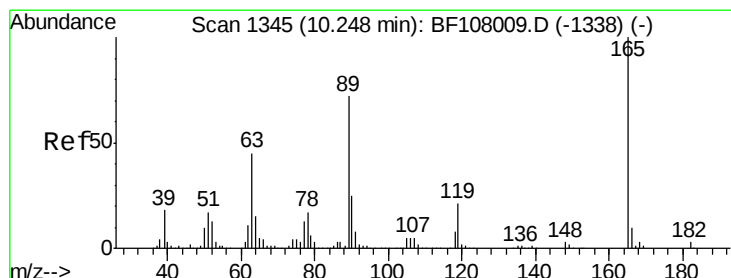
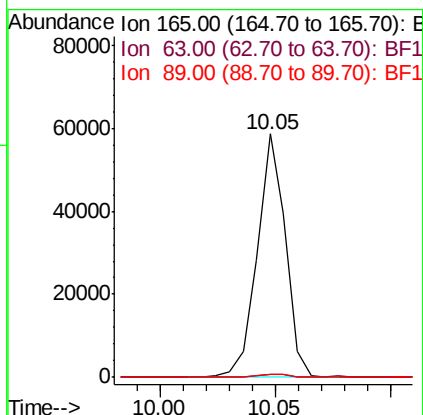
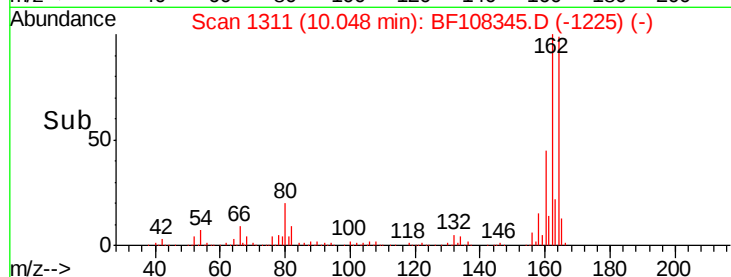
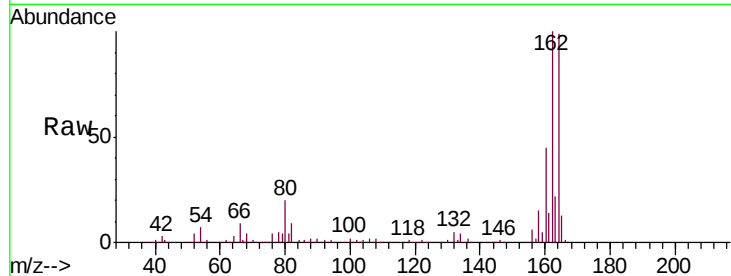




#50
 2,6-Dinitrotoluene
 Concen: 8.795 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108345.D
 Acq: 21 Aug 2018 18:53

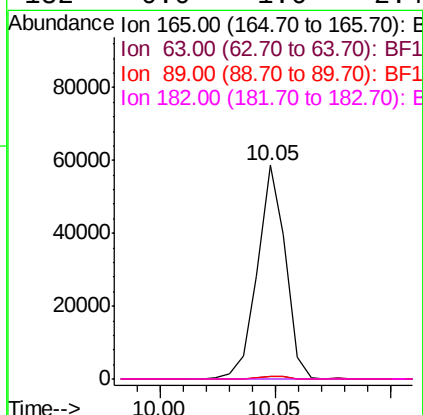
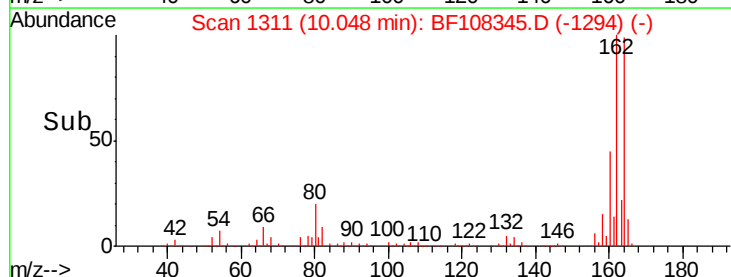
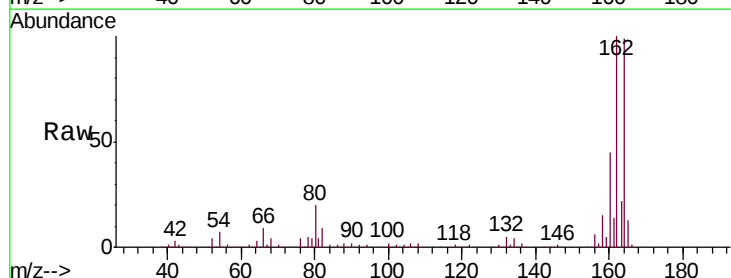
Instrument :
 BNA_F
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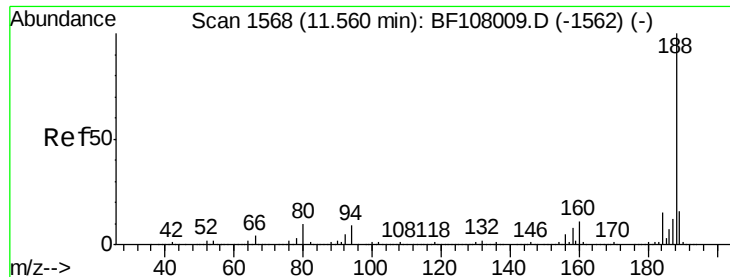
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.832 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108345.D
 Acq: 21 Aug 2018 18:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

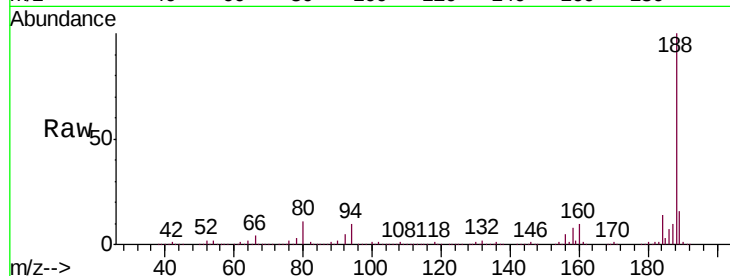




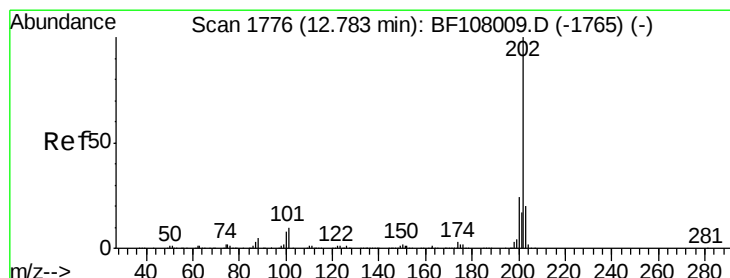
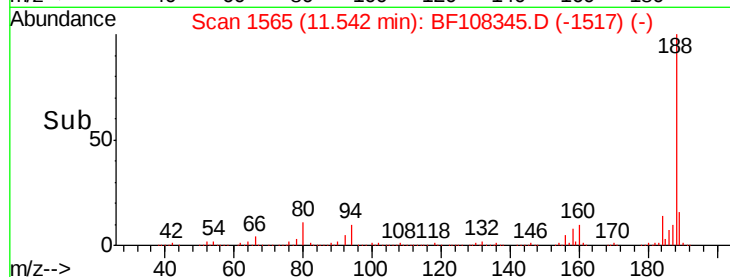
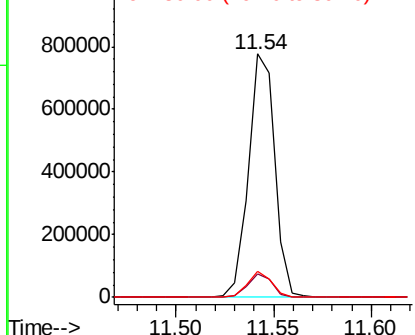
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF108345.D
Acq: 21 Aug 2018 18:53

Instrument :
BNA_F
ClientSampleId :
RT2286

Tgt Ion:188 Resp: 725211
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.6 9.2 13.8

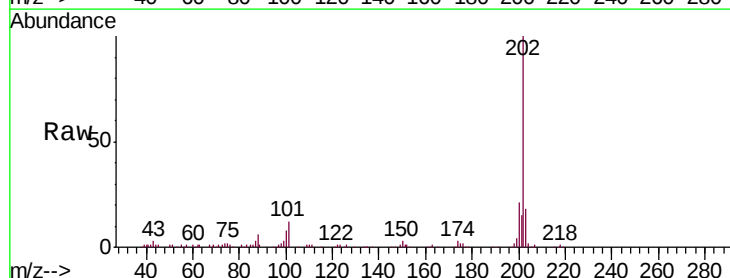


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

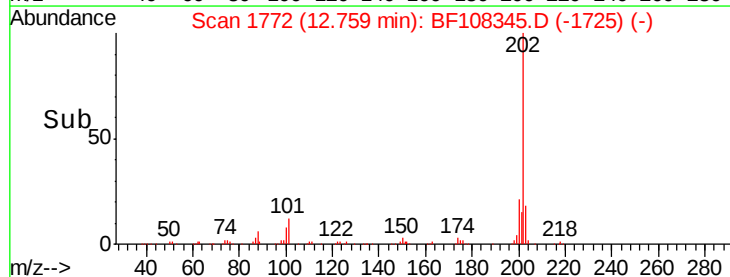
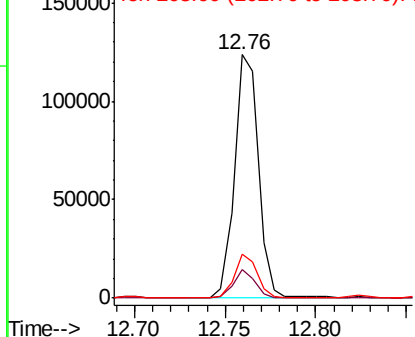


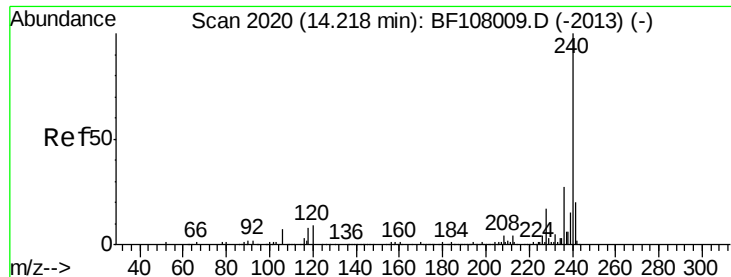
#74
Fluoranthene
Concen: 3.061 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.02 min
Lab File: BF108345.D
Acq: 21 Aug 2018 18:53

Tgt Ion:202 Resp: 114268
Ion Ratio Lower Upper
202 100
101 11.6 0.0 34.1
203 18.1 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. -0.02 min

Lab File: BF108345.D

Acq: 21 Aug 2018 18:53

Instrument :

BNA_F

ClientSampleId :

RT2286

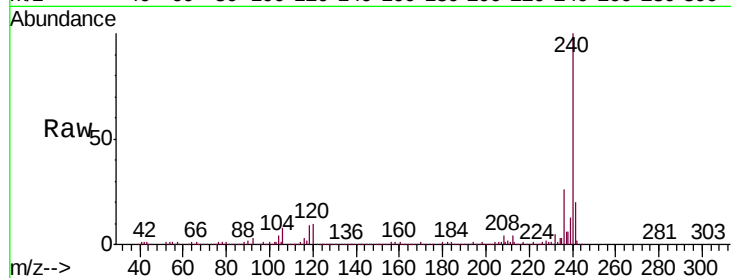
Tgt Ion:240 Resp: 412436

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

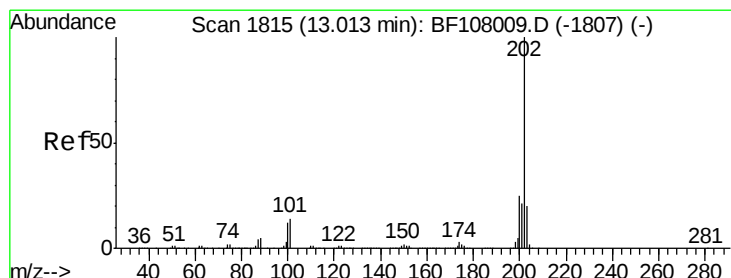
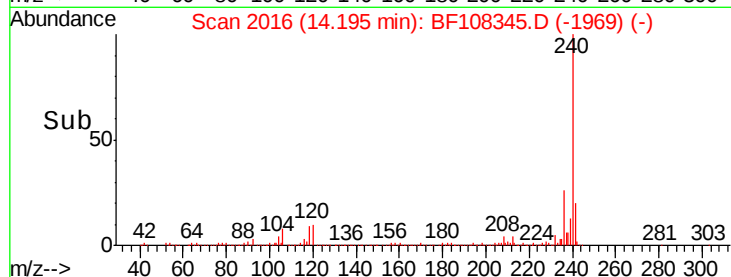
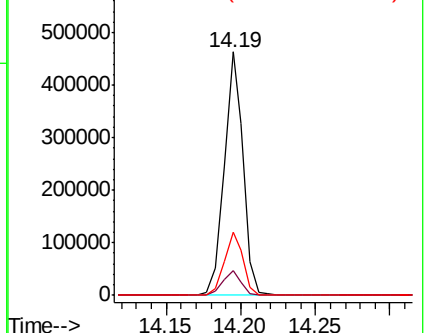
236 26.0 20.7 31.1



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: 3.927 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF108345.D

Acq: 21 Aug 2018 18:53

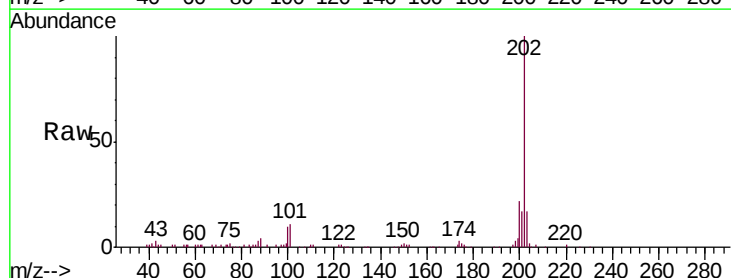
Tgt Ion:202 Resp: 102530

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

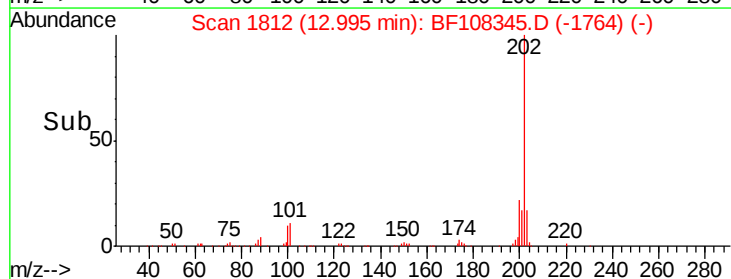
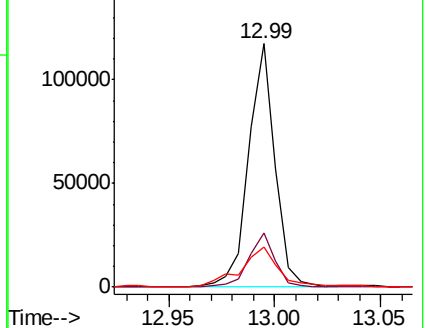
203 16.6 14.3 21.5

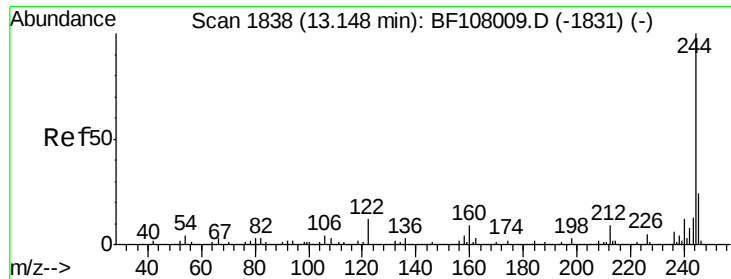


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

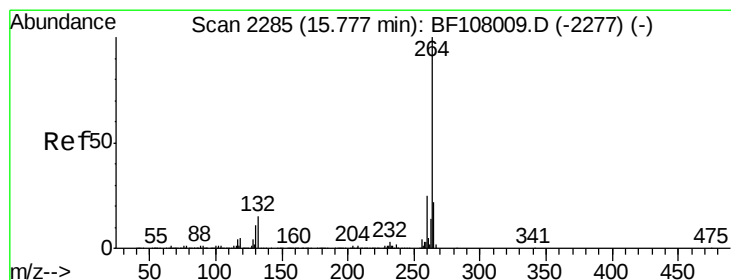
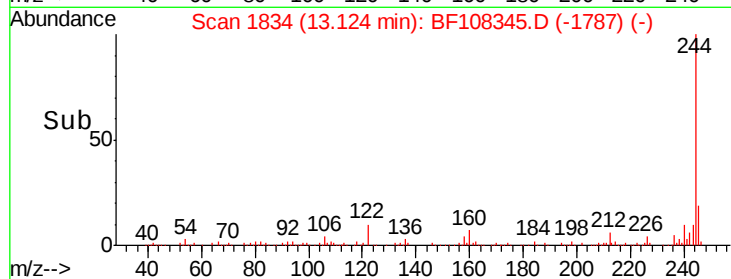
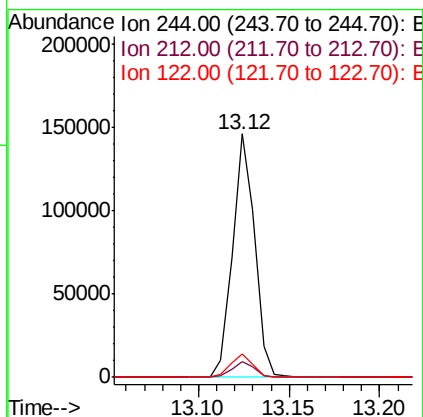
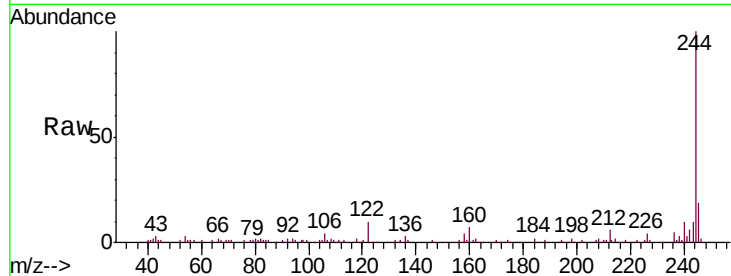




#78
 Terphenyl-d14
 Concen: 7.668 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF108345.D
 Acq: 21 Aug 2018 18:53

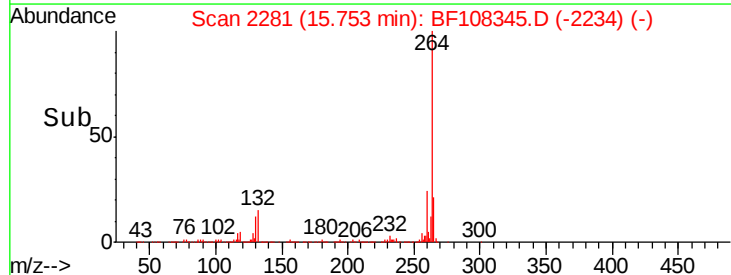
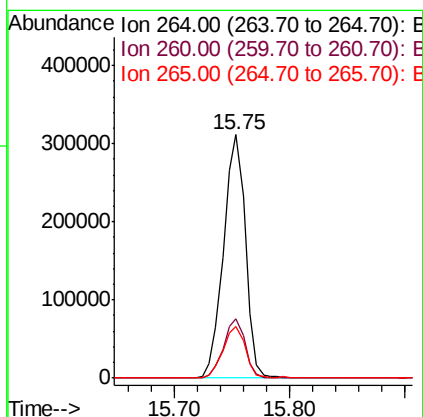
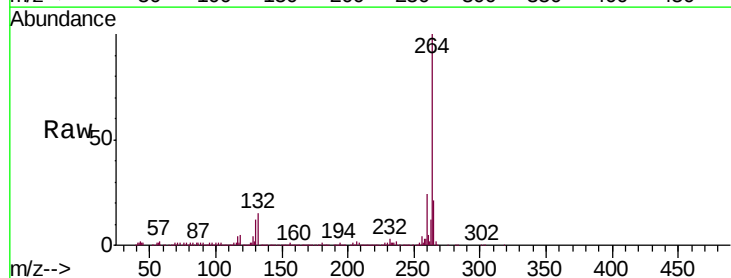
Instrument :
 BNA_F
 ClientSampleId :
 RT2286

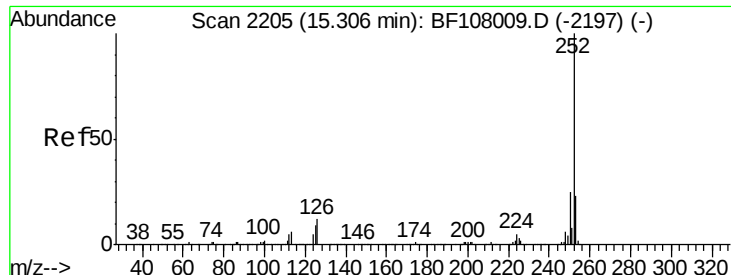
Tgt Ion: 244 Resp: 124378
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.6 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF108345.D
 Acq: 21 Aug 2018 18:53

Tgt Ion: 264 Resp: 410782
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.370 ng

RT: 15.28 min Scan# 2201

Delta R.T. -0.02 min

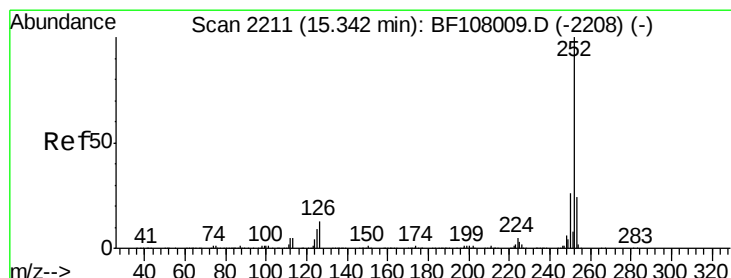
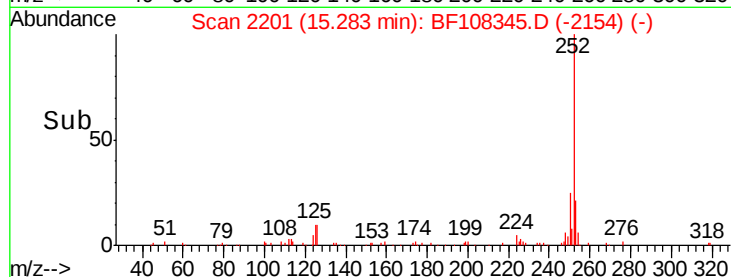
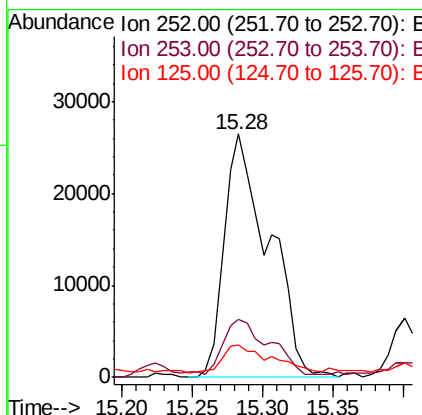
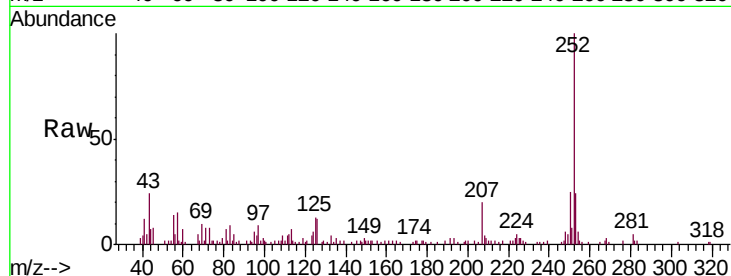
Lab File: BF108345.D

Acq: 21 Aug 2018 18:53

Instrument :
BNA_F
ClientSampleId :
RT2286

Tgt Ion:252 Resp: 58184

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	13.3	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 2.579 ng

RT: 15.28 min Scan# 2201

Delta R.T. -0.06 min

Lab File: BF108345.D

Acq: 21 Aug 2018 18:53

Tgt Ion:252 Resp: 58184

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	13.3	10.2	15.2

