

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108439.D
 Acq On : 23 Aug 2018 23:43
 Operator : JU/SJ
 Sample : J4559-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-75-048

Quant Time: Aug 24 01:07:23 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

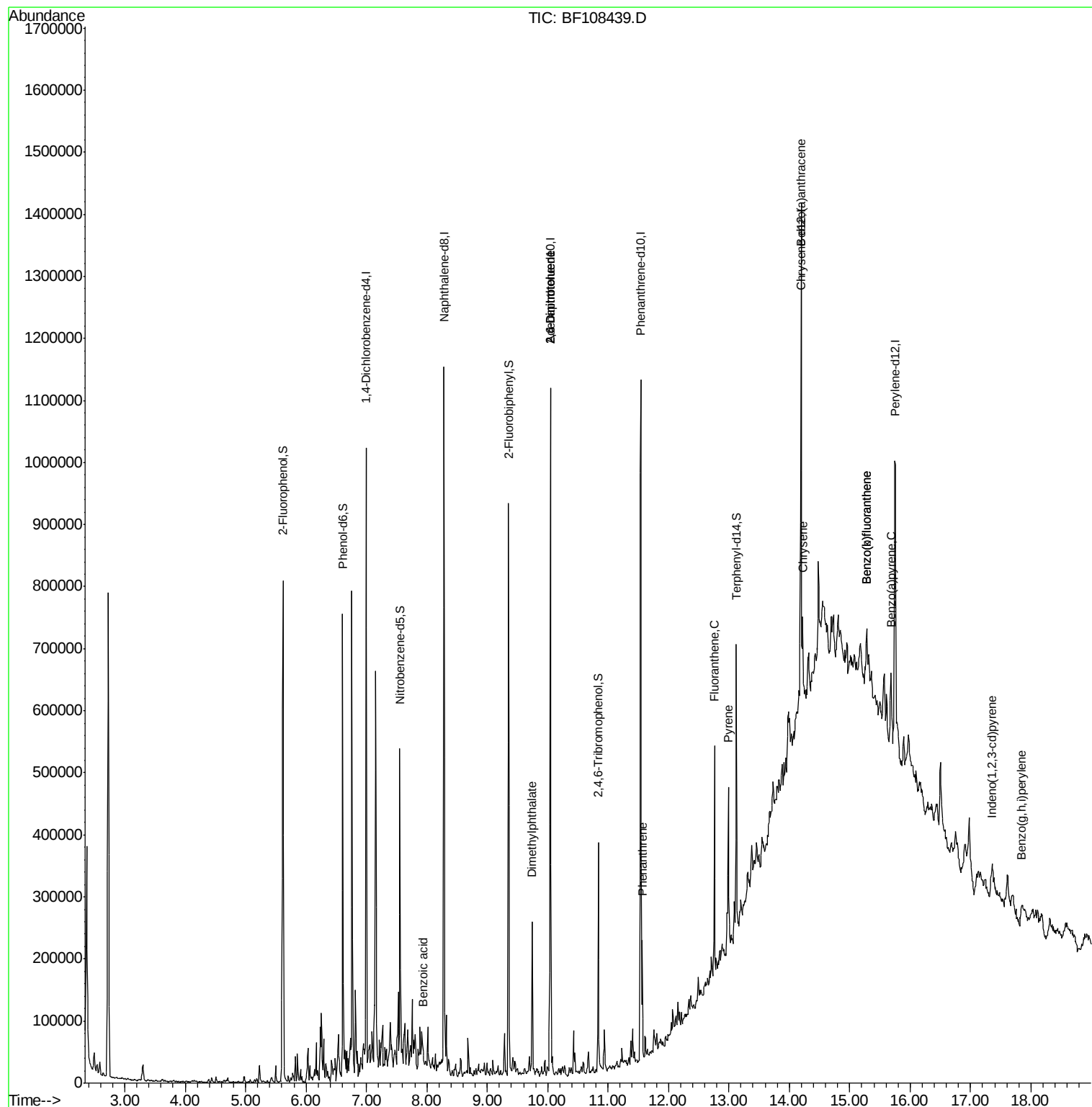
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	117938	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	462332	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	225867	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	390985	20.00	ng	0.00
75) Chrysene-d12	14.19	240	260876	20.00	ng	0.00
86) Perylene-d12	15.75	264	243727	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	161777	24.83	ng	-0.01
7) Phenol-d6	6.61	99	225273	26.02	ng	-0.02
23) Nitrobenzene-d5	7.55	82	143288	17.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	42800	19.00	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	265101	18.84	ng	-0.01
78) Terphenyl-d14	13.12	244	159154	15.51	ng	0.00
Target Compounds						
32) Benzoic acid	7.94	122	286	6.036	ng	Qvalue # 60
49) Dimethylphthalate	9.75	163	78974	5.019	ng	# 97
50) 2,6-Dinitrotoluene	10.04	165	28749	8.734	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	28749	6.785	ng	# 23
70) Phenanthrene	11.57	178	71185	3.860	ng	97
74) Fluoranthene	12.76	202	133780	6.647	ng	93
77) Pyrene	12.99	202	117113	7.091	ng	100
80) Benzo(a)anthracene	14.18	228	56993	3.807	ng	97
82) Chrysene	14.22	228	50881	3.707	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	23963	2.015	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	89569	6.150	ng	# 82
88) Benzo(k)fluoranthene	15.28	252	89569	6.690	ng	# 85
89) Benzo(a)pyrene	15.68	252	41455	3.179	ng	# 82
91) Benzo(g,h,i)perylene	17.85	276	21549	2.028	ng	# 92

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

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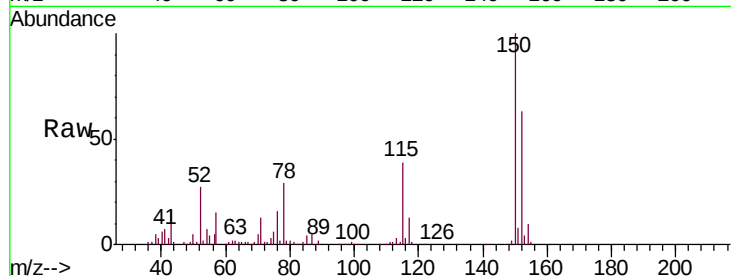


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	61.5	50.1	75.1

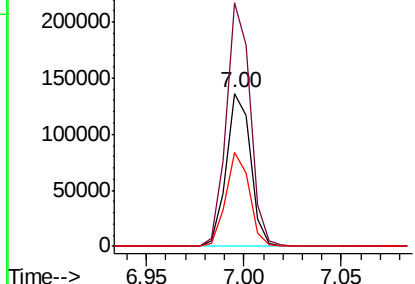
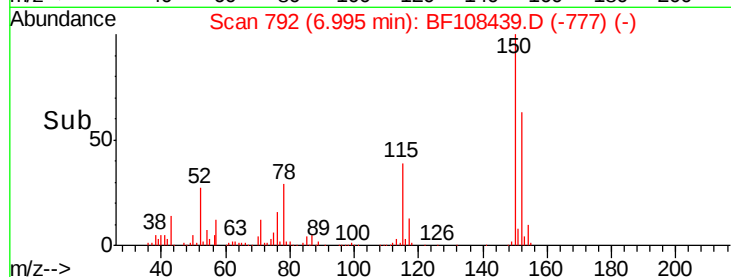


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

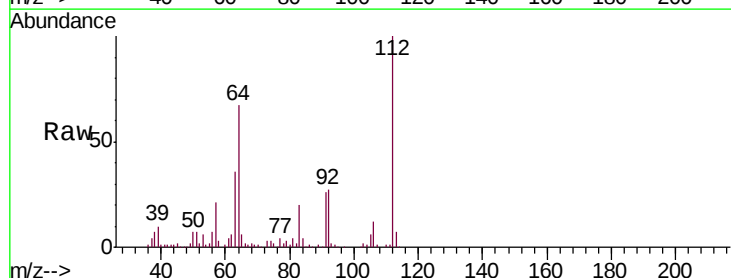
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.834 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	35.7	23.7	35.5

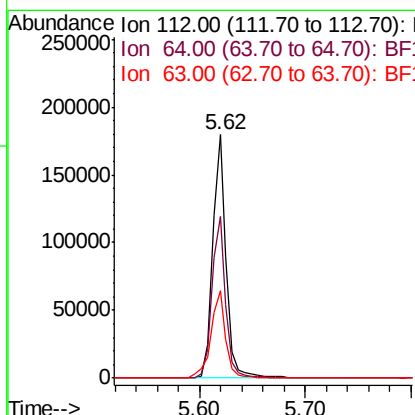
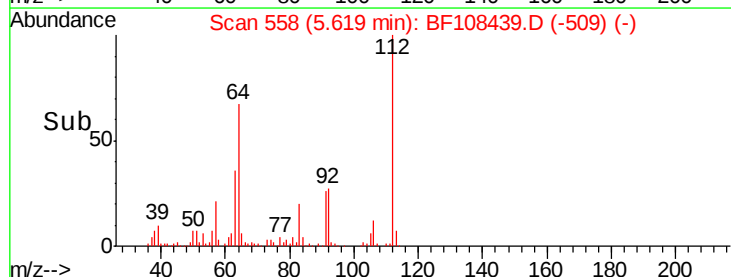


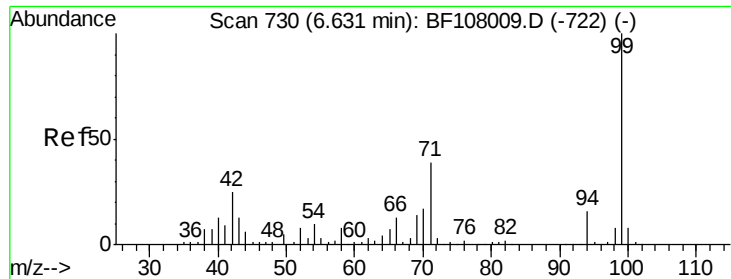
Abundance

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: 26.023 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-75-048

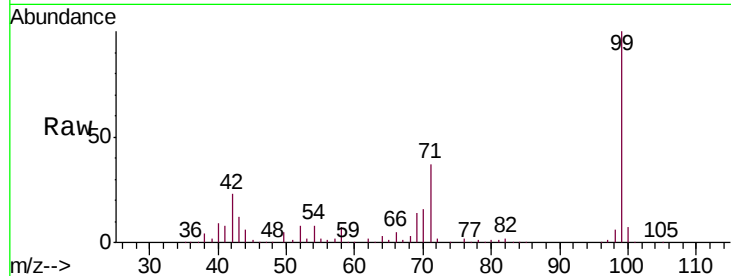
Tgt Ion: 99 Resp: 225273

Ion Ratio Lower Upper

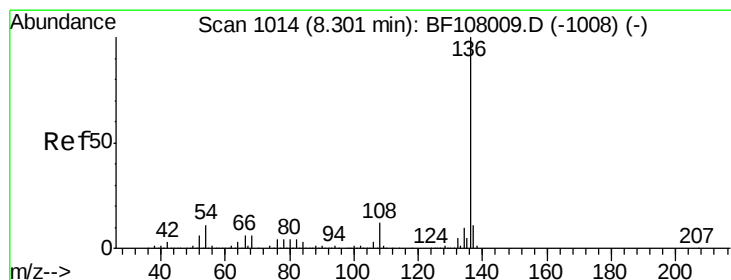
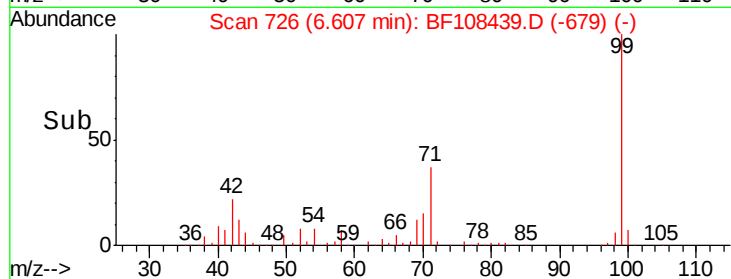
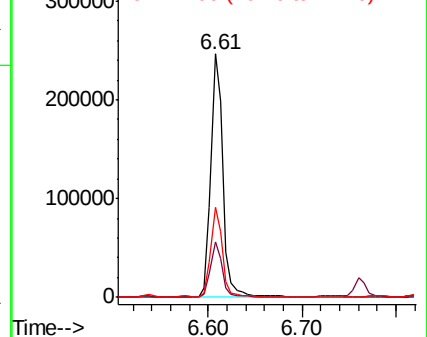
99 100

42 22.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Tgt Ion: 136 Resp: 462332

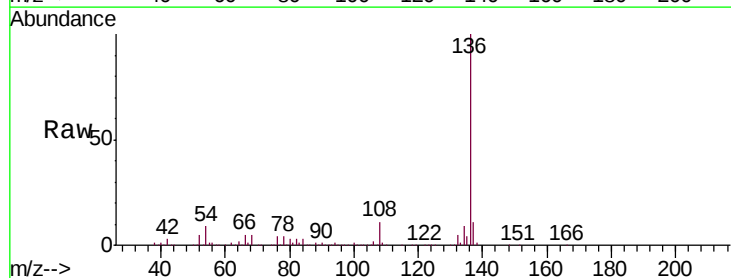
Ion Ratio Lower Upper

136 100

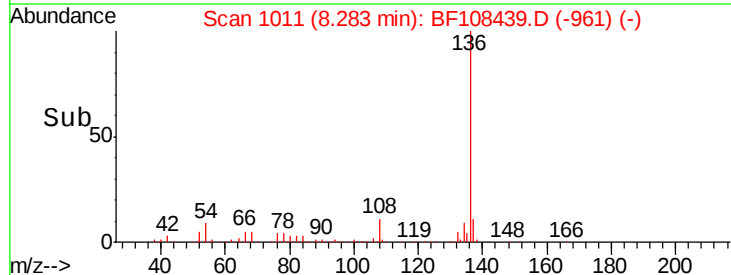
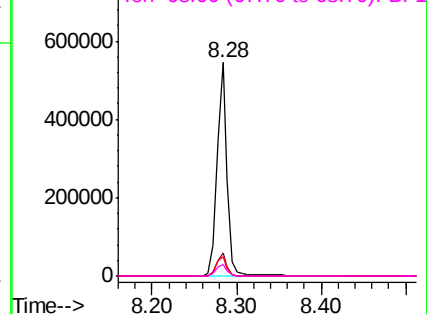
137 10.8 8.9 13.3

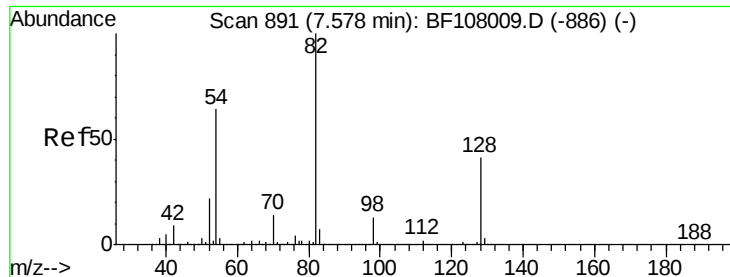
54 9.2 6.6 9.8

68 5.5 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

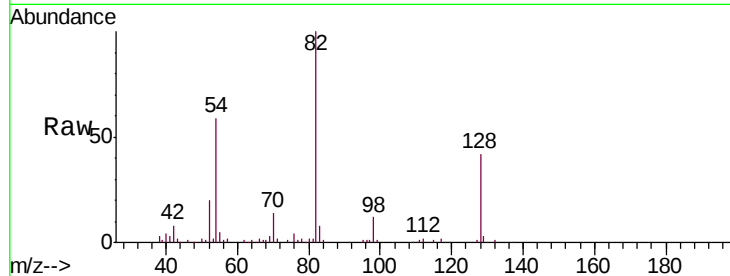




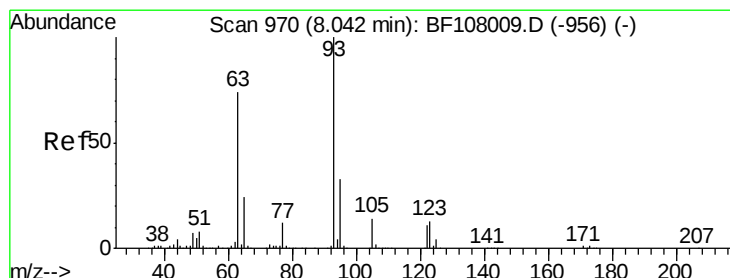
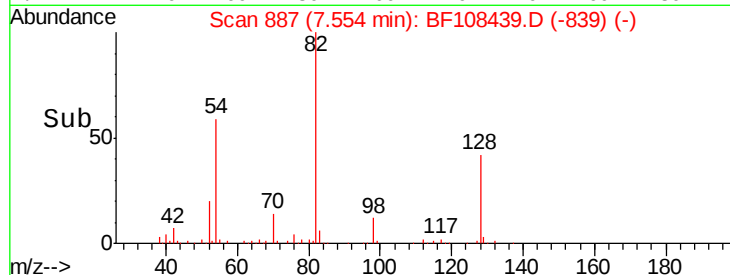
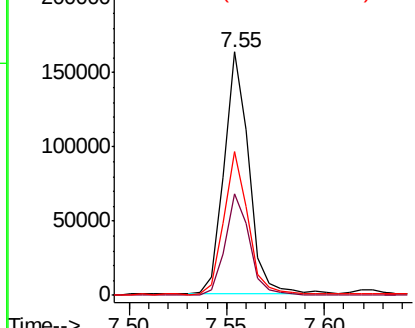
#23
Nitrobenzene-d5
Concen: 17.294 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
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ClientSampleId :
RA-081718-SSW-75-048

Tgt Ion: 82 Resp: 143288
Ion Ratio Lower Upper
82 100
128 41.6 36.1 54.1
54 59.1 41.4 62.2

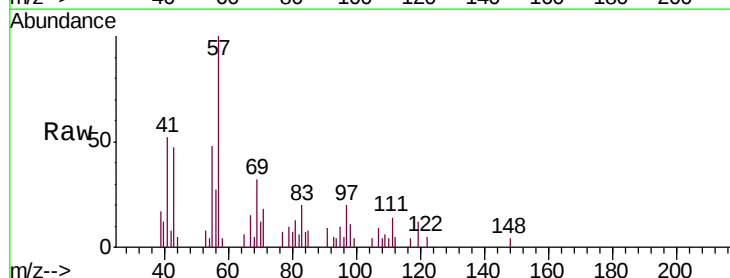


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

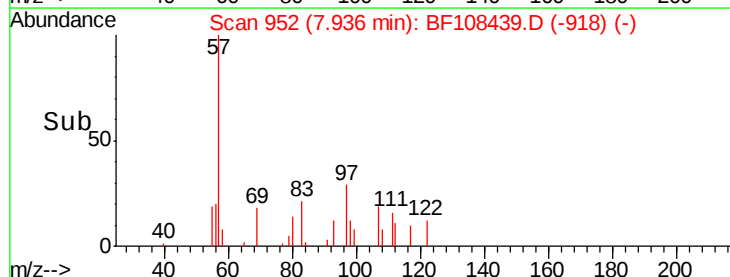
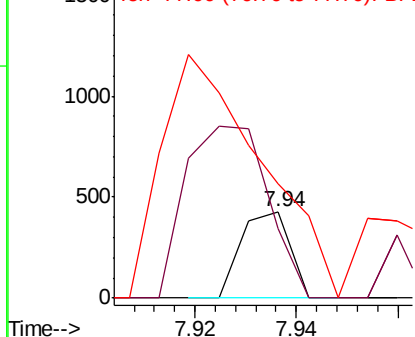


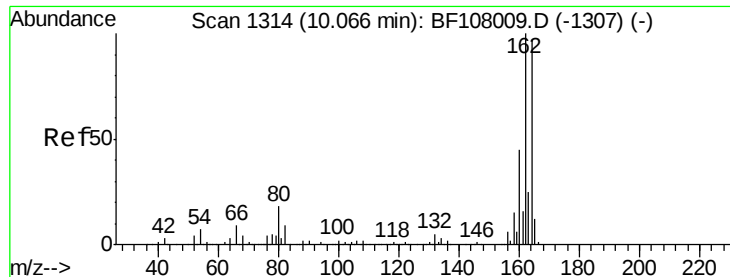
#32
Benzoic acid
Concen: 6.036 ng
RT: 7.94 min Scan# 952
Delta R.T. -0.10 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion: 122 Resp: 286
Ion Ratio Lower Upper
122 100
105 81.0 101.1 141.1#
77 133.3 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

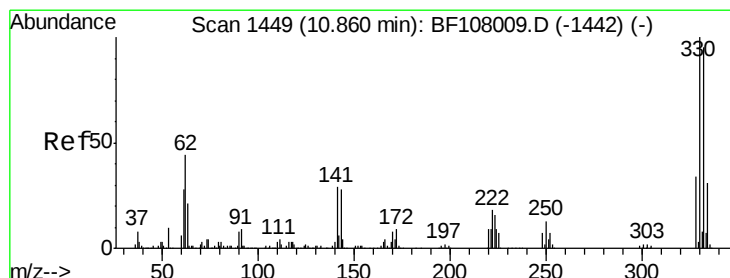
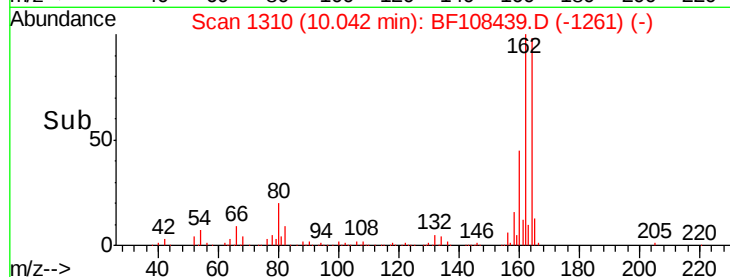
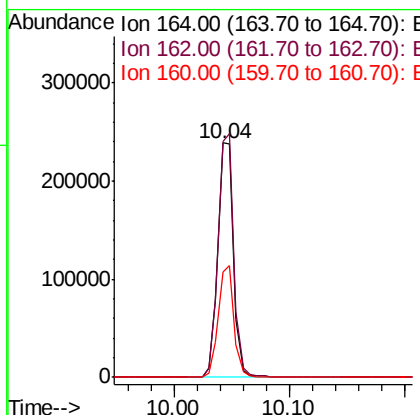
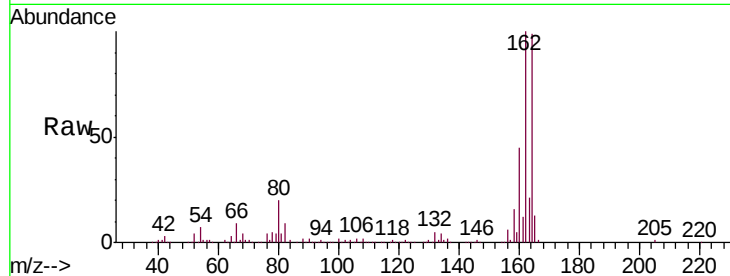




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108439.D
 Acq: 23 Aug 2018 23:43

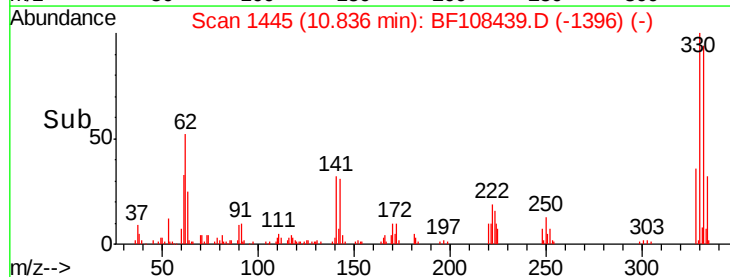
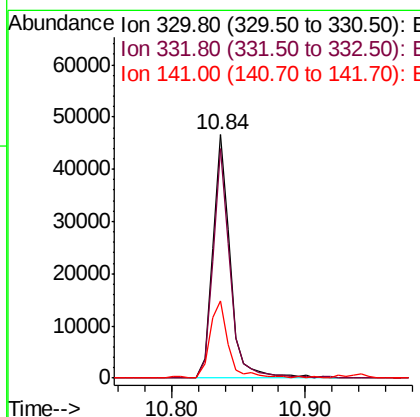
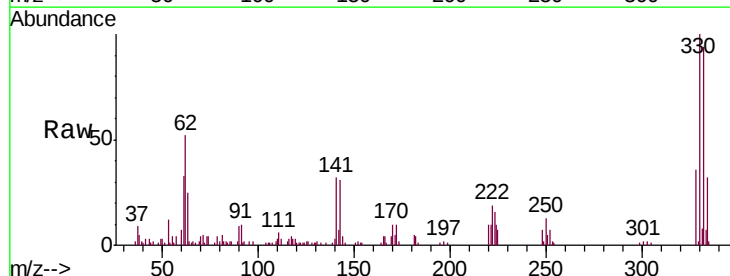
Instrument :
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 RA-081718-SSW-75-048

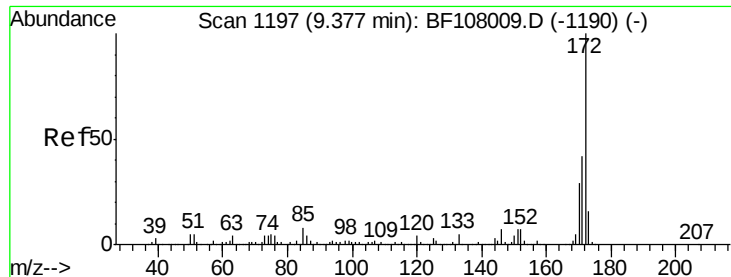
Tgt Ion:164 Resp: 225867
 Ion Ratio Lower Upper
 164 100
 162 100.9 86.1 129.1
 160 45.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 18.997 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108439.D
 Acq: 23 Aug 2018 23:43

Tgt Ion:330 Resp: 42800
 Ion Ratio Lower Upper
 330 100
 332 92.3 77.0 115.6
 141 33.7 29.9 44.9

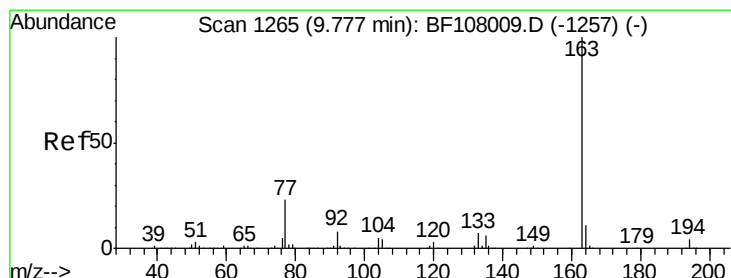
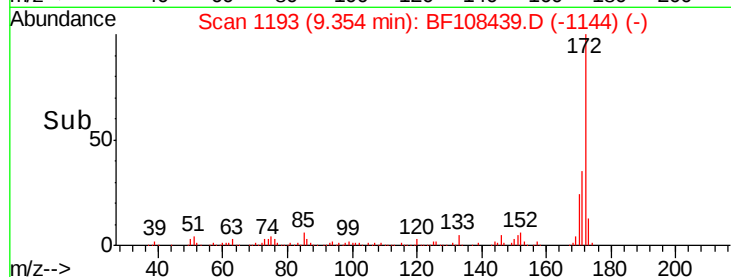
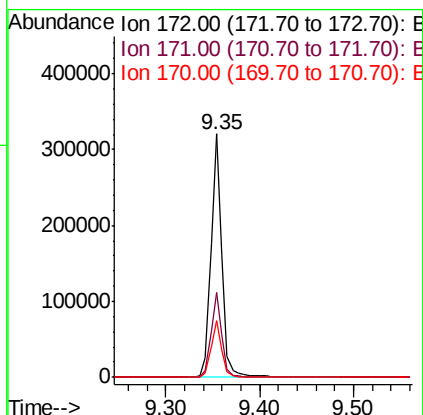
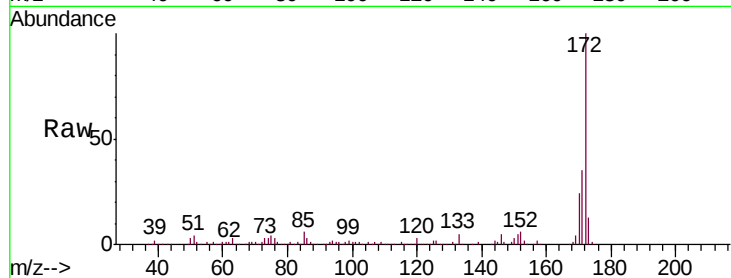




#44
 2-Fluorobiphenyl
 Concen: 18.843 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108439.D
 Acq: 23 Aug 2018 23:43

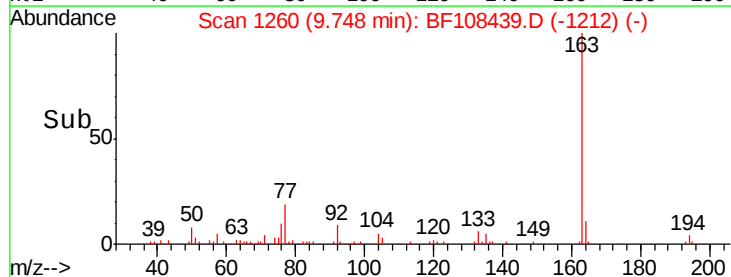
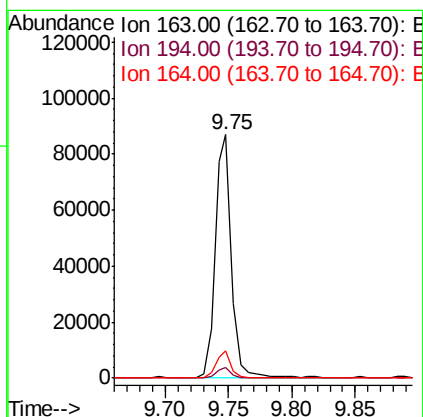
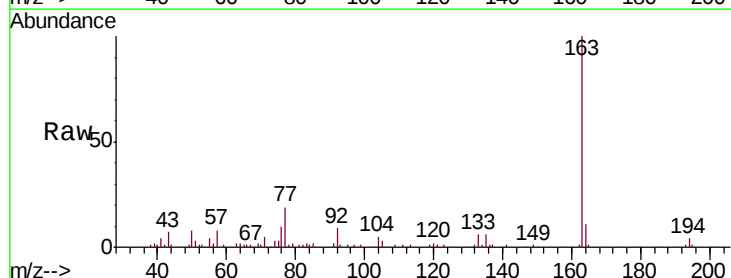
Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-75-048

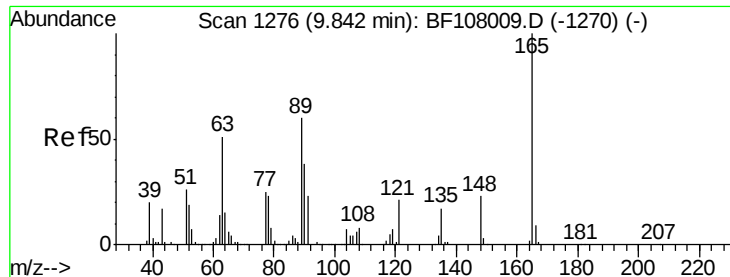
Tgt Ion:172 Resp: 265101
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.5 19.6 29.4



#49
 Dimethylphthalate
 Concen: 5.019 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BF108439.D
 Acq: 23 Aug 2018 23:43

Tgt Ion:163 Resp: 78974
 Ion Ratio Lower Upper
 163 100
 194 4.3 2.7 4.1#
 164 11.2 8.2 12.2

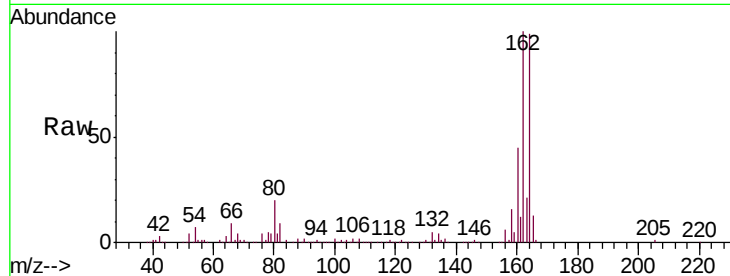




#50
 2,6-Dinitrotoluene
 Concen: 8.734 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108439.D
 Acq: 23 Aug 2018 23:43

Instrument :
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 ClientSampleId :
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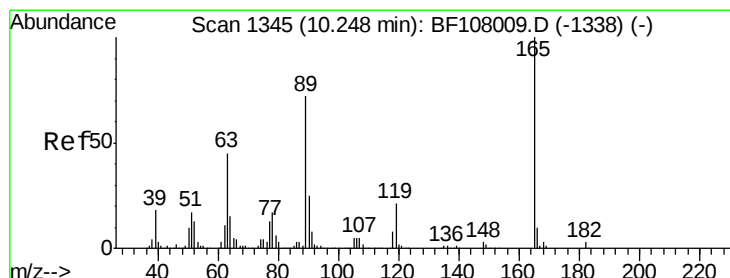
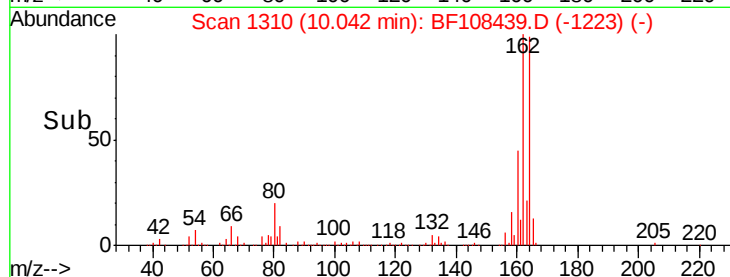
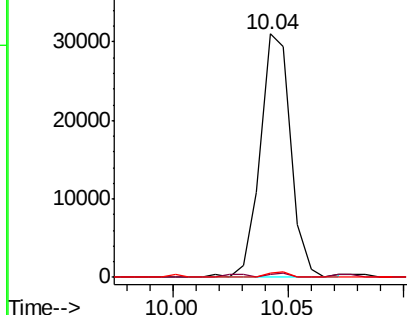
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

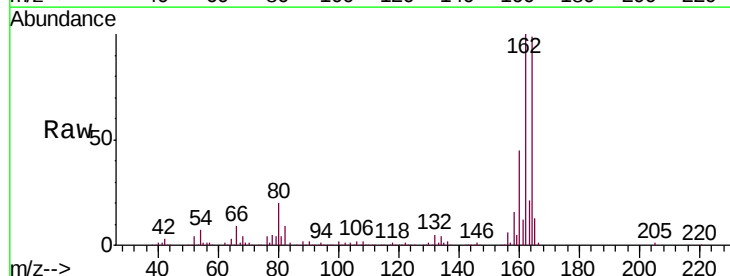
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.785 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108439.D
 Acq: 23 Aug 2018 23:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

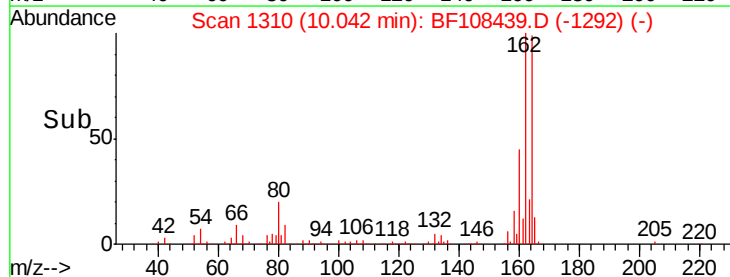
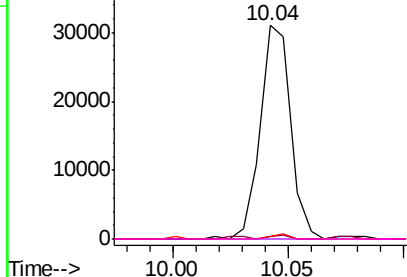


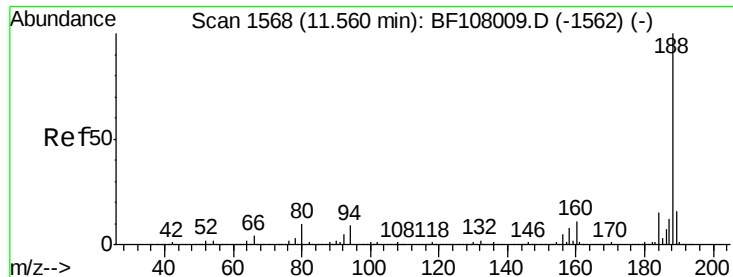
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

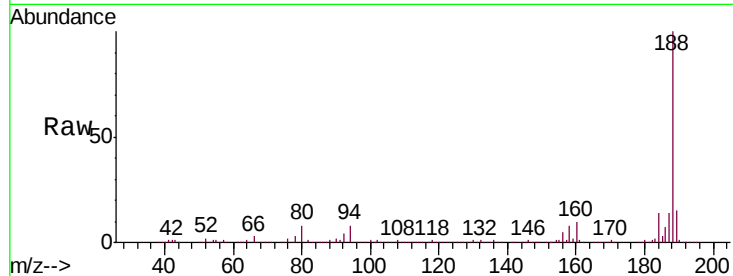




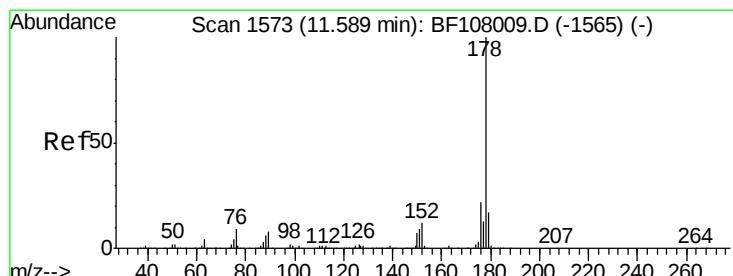
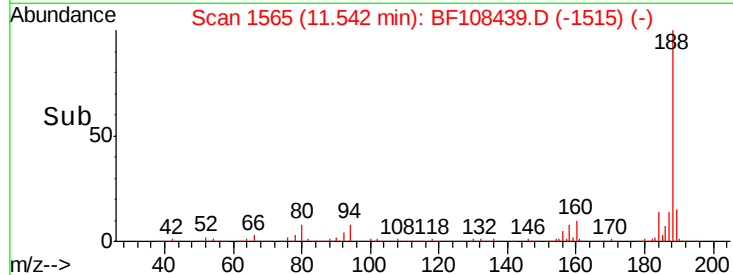
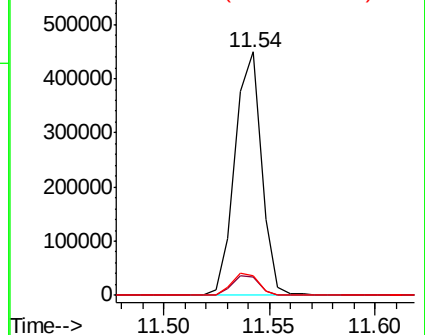
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

Tgt Ion:188 Resp: 390985
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.2 9.2 13.8#

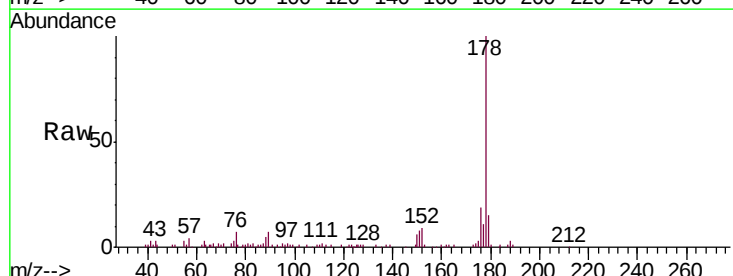


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

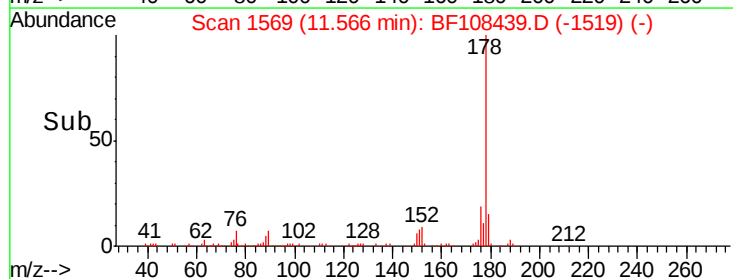
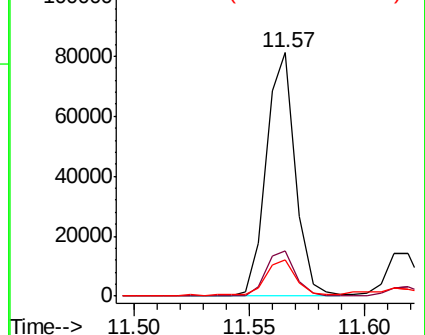


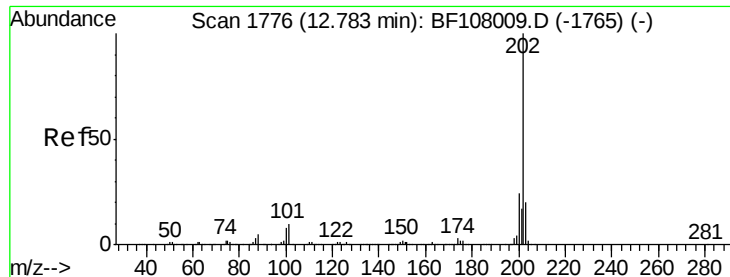
#70
Phenanthrene
Concen: 3.860 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion:178 Resp: 71185
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 14.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.647 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

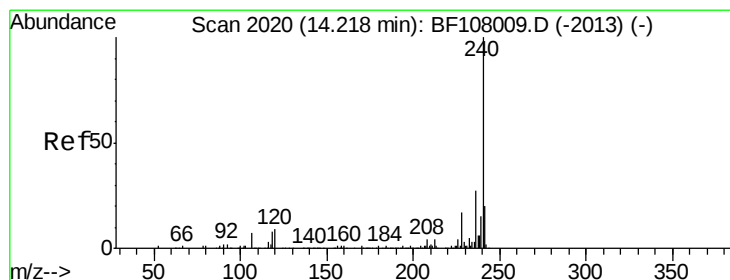
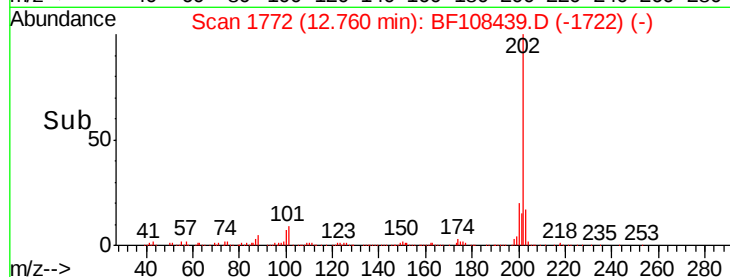
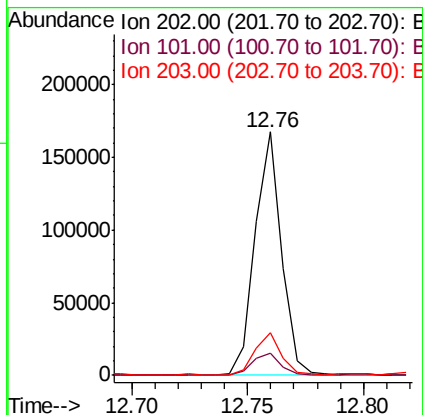
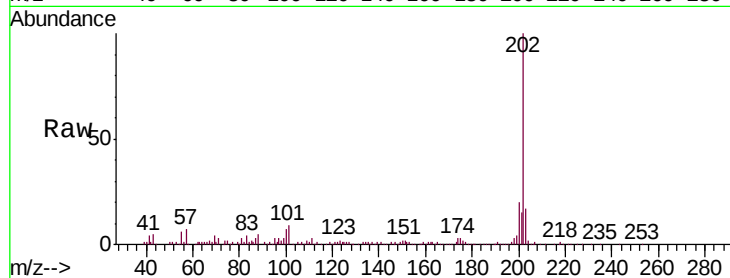
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-75-048

Tgt Ion:	202	Resp:	133780
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	34.1
203	17.4	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

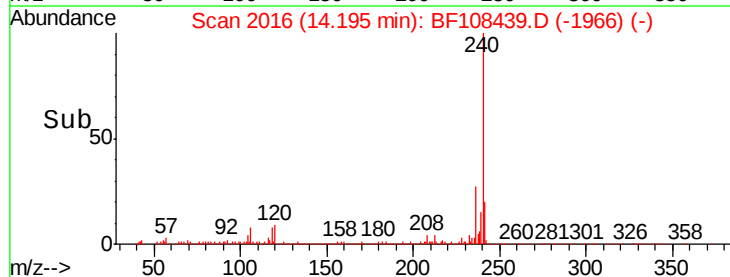
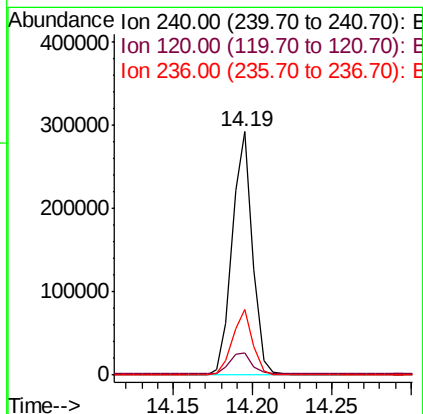
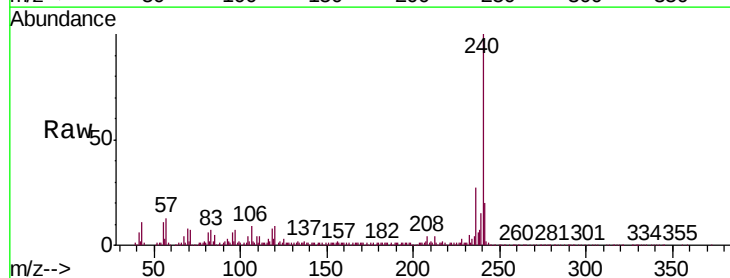
RT: 14.19 min Scan# 2016

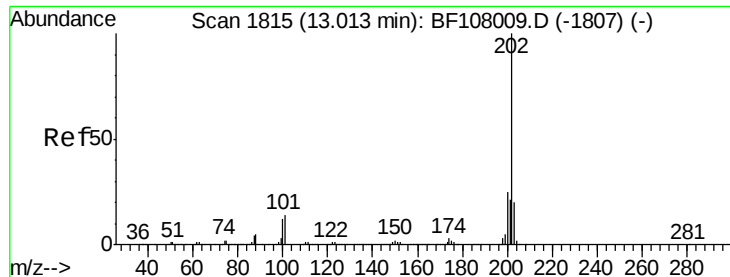
Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Tgt Ion:	240	Resp:	260876
Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	26.8	20.7	31.1





#77

Pyrene

Concen: 7.091 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-75-048

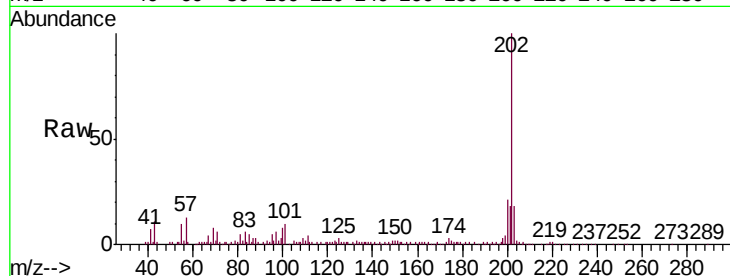
Tgt Ion:202 Resp: 117113

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

203 17.9 14.3 21.5

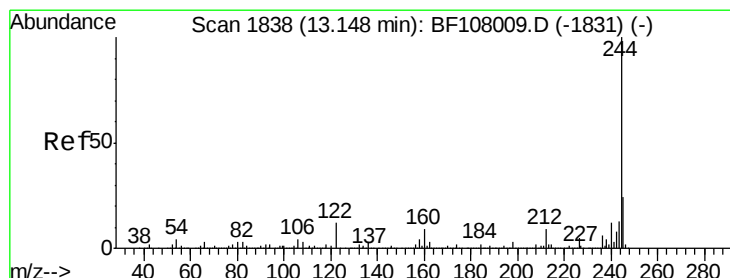
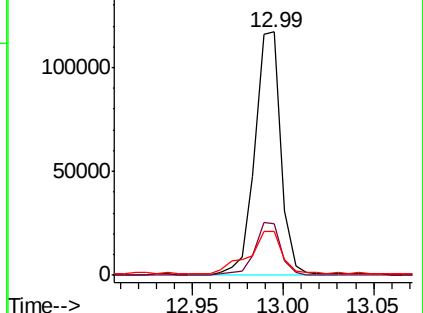
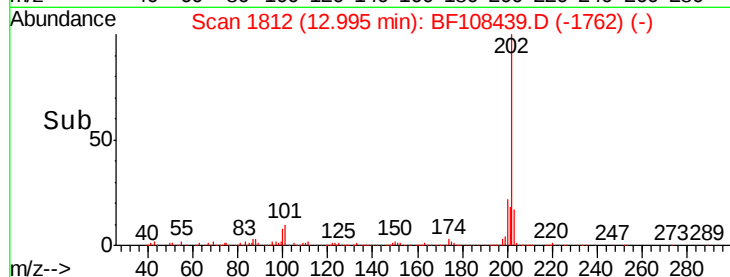


Abundance

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: 15.512 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

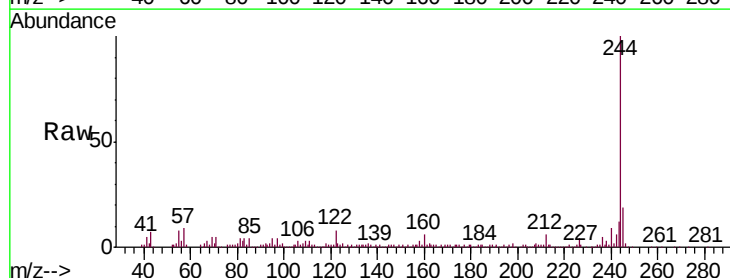
Tgt Ion:244 Resp: 159154

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 8.2 11.0 16.4#

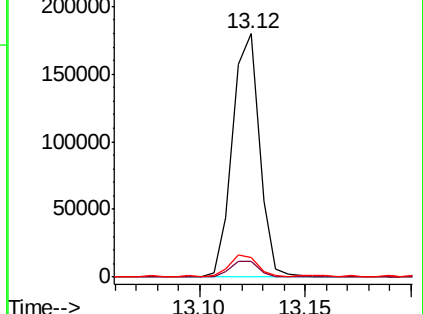
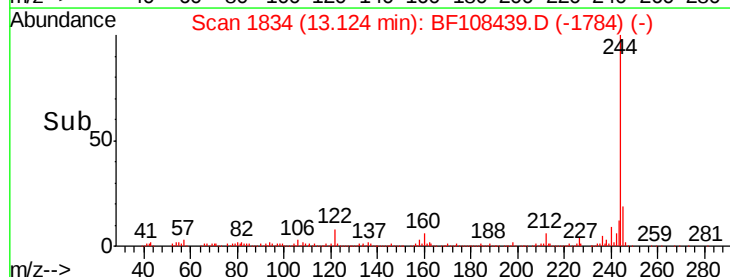


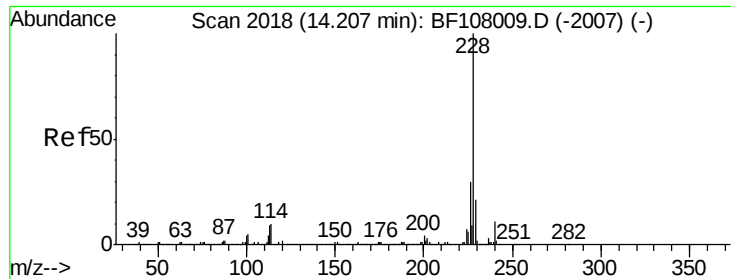
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

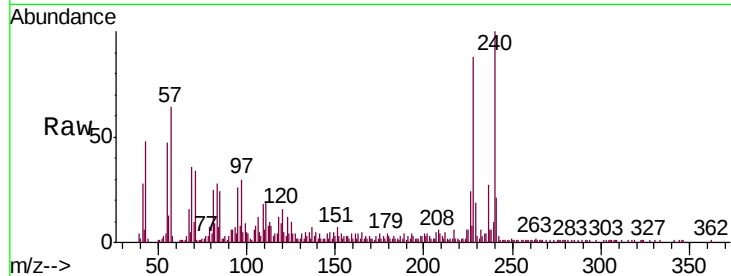




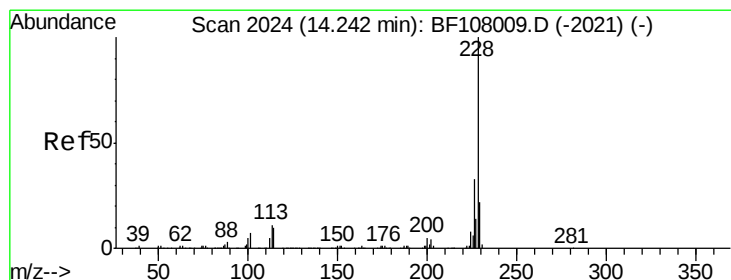
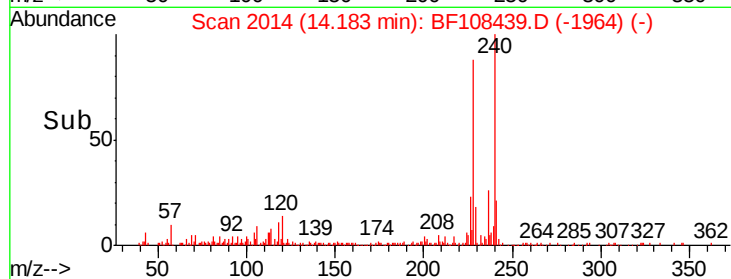
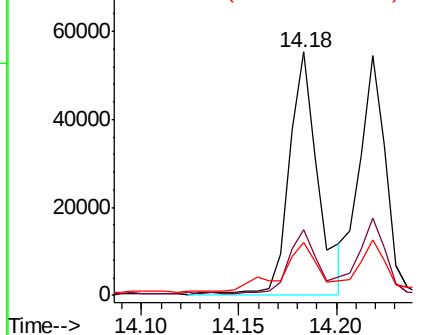
#80
Benzo(a)anthracene
Concen: 3.807 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

Tgt Ion:228 Resp: 56993
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 21.5 15.8 23.6

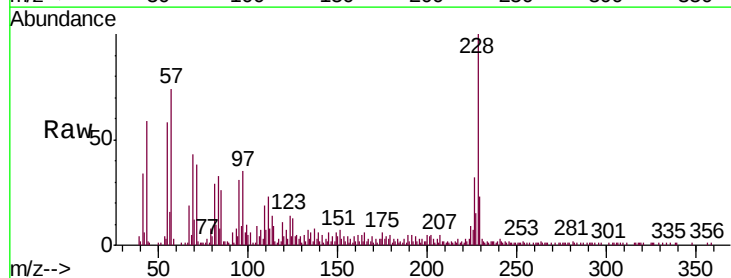


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

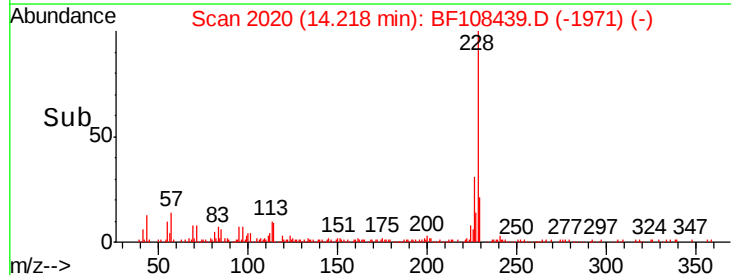
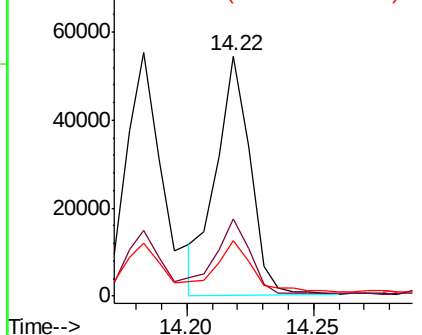


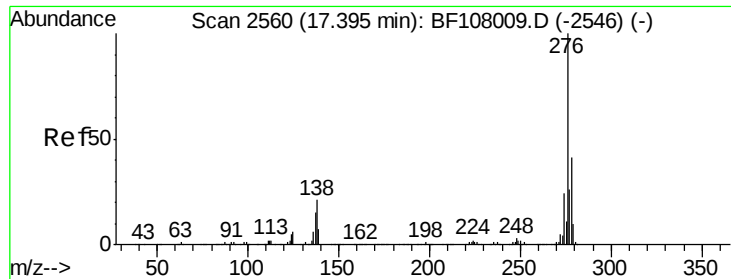
#82
Chrysene
Concen: 3.707 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion:228 Resp: 50881
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 23.3 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





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.015 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-75-048

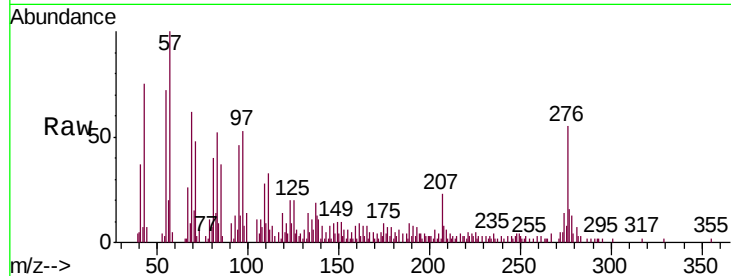
Tgt Ion:276 Resp: 23963

Ion Ratio Lower Upper

276 100

138 21.4 25.0 37.6#

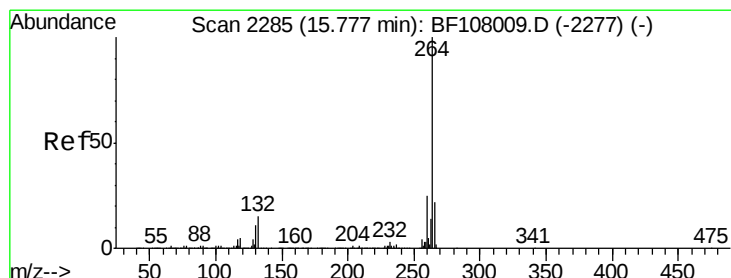
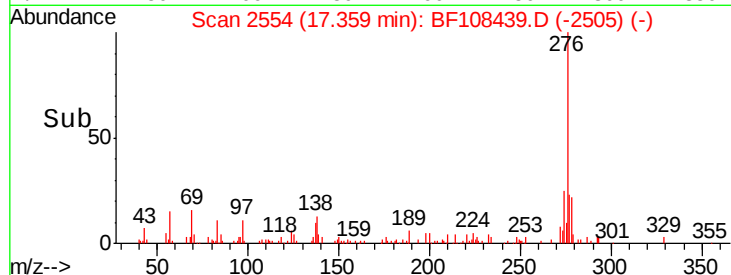
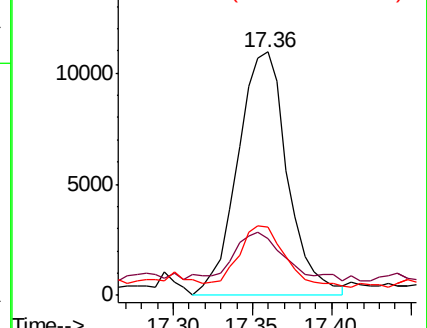
277 23.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

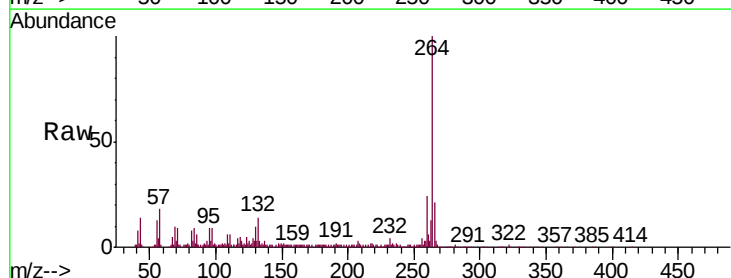
Tgt Ion:264 Resp: 243727

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

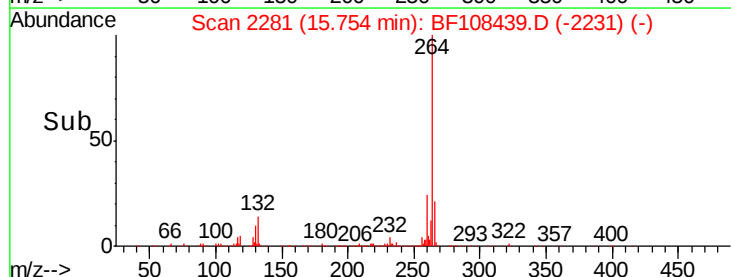
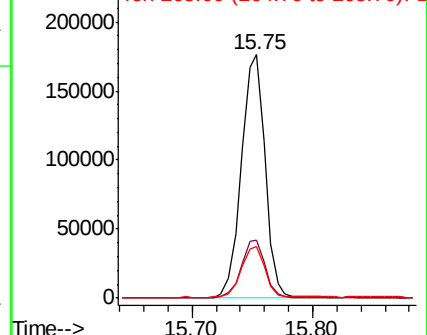
265 21.5 17.5 26.3

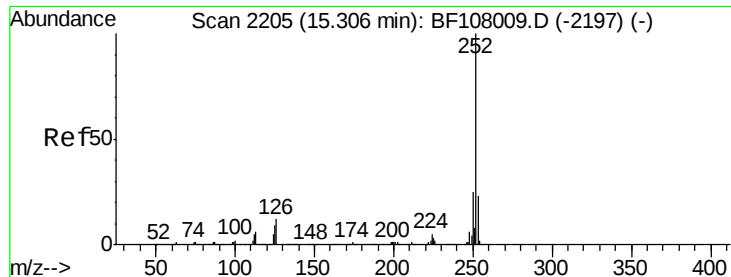


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.150 ng

RT: 15.28 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

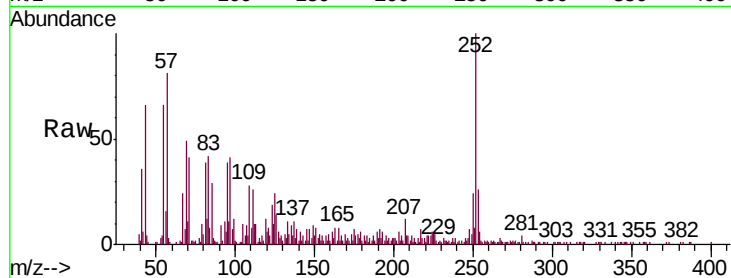
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-75-048

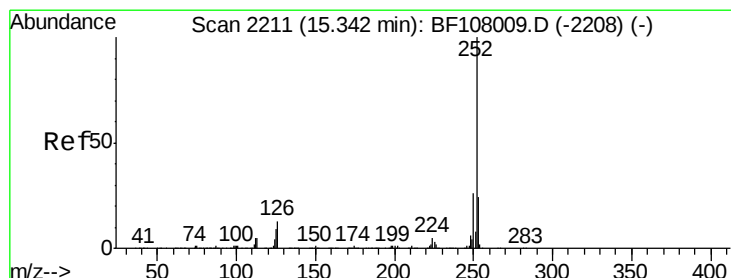
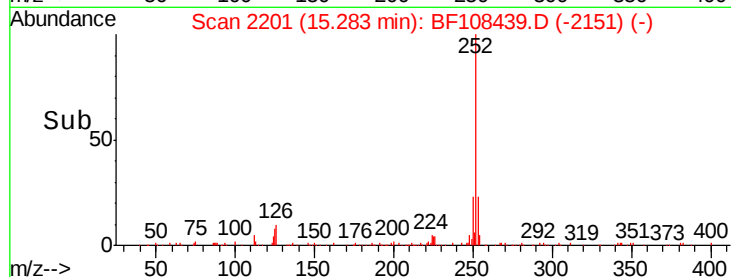
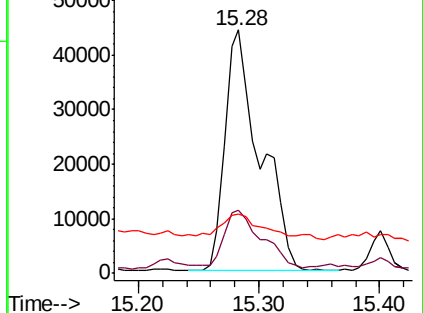
Tgt Ion:	252	Resp:	89569
Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	24.1	9.0	13.6#



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: 6.690 ng

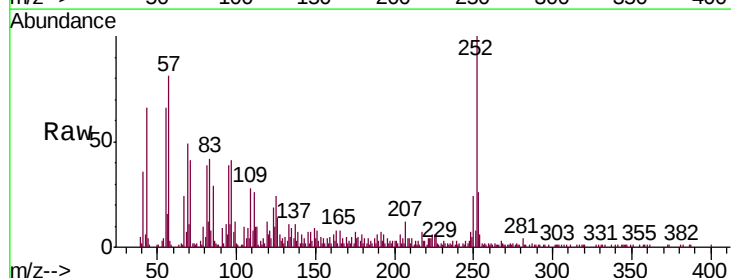
RT: 15.28 min Scan# 2201

Delta R.T. -0.04 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

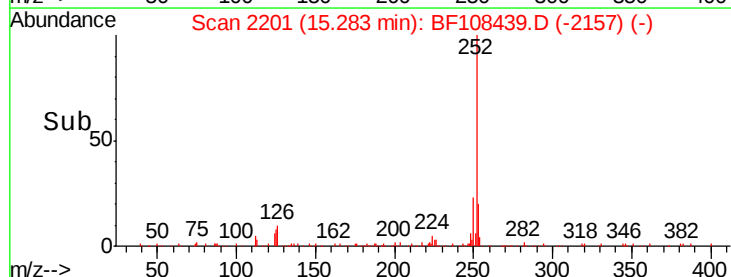
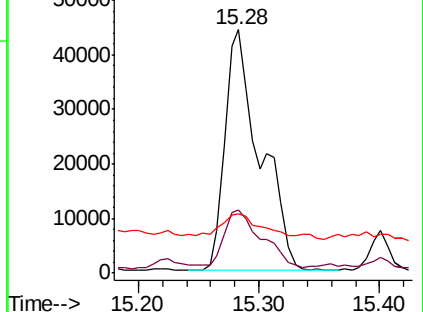
Tgt Ion:	252	Resp:	89569
Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	24.1	10.2	15.2#

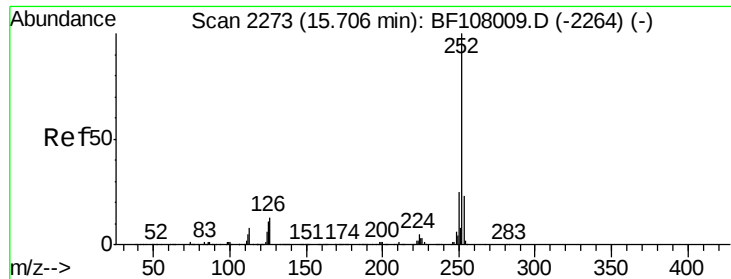


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.179 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

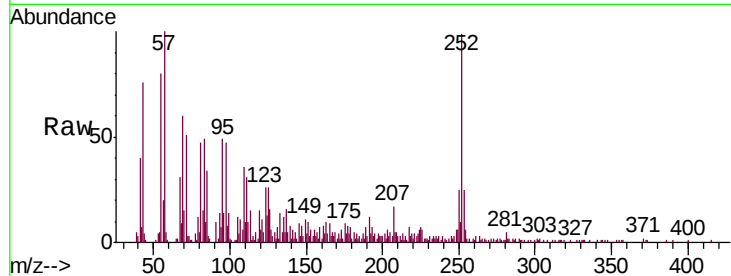
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-75-048

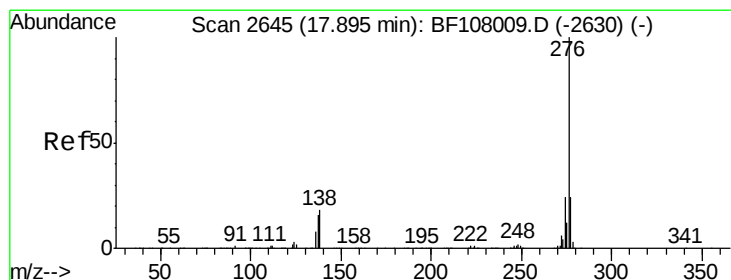
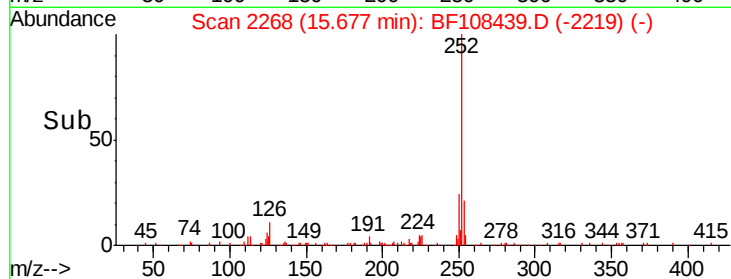
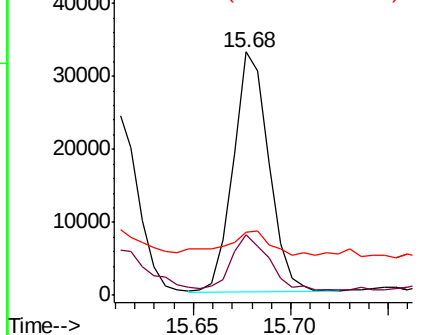
Tgt Ion:	252	Resp:	41455
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	26.1	9.8	14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.028 ng

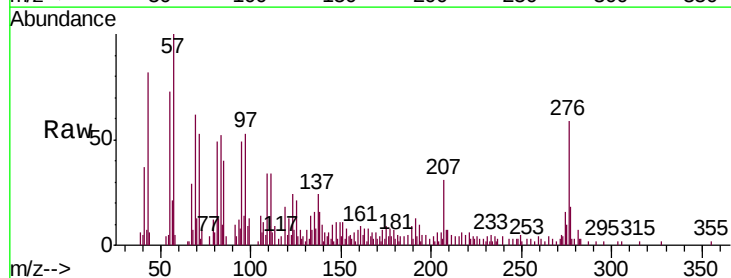
RT: 17.85 min Scan# 2637

Delta R.T. -0.02 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Tgt Ion:	276	Resp:	21549
Ion	Ratio	Lower	Upper
276	100		
277	30.7	17.9	26.9#
138	27.0	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

