

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108434.D
 Acq On : 23 Aug 2018 21:27
 Operator : JU/SJ
 Sample : J4559-05 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Quant Time: Aug 24 01:06:09 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	147623	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	596403	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	296035	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	523763	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	315520	20.00	ng	-0.01
86) Perylene-d12	15.74	264	330923	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	63056	7.73	ng	-0.02
7) Phenol-d6	6.61	99	88607	8.18	ng	-0.02
23) Nitrobenzene-d5	7.55	82	55640	5.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	18371	6.22	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	92983	5.04	ng	-0.01
78) Terphenyl-d14	13.12	244	63500	5.12	ng	-0.01

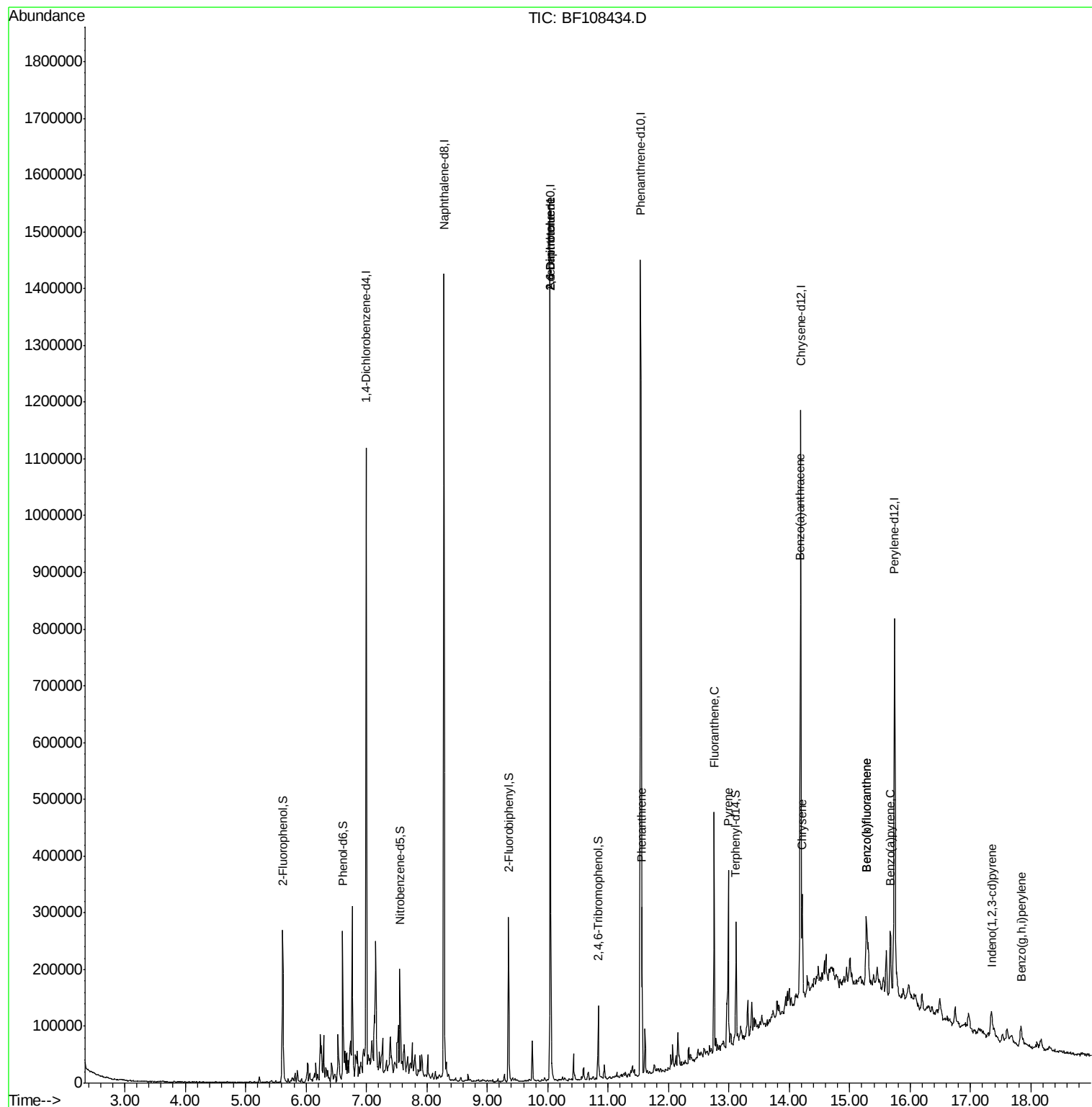
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	10.04	165	38028	8.814	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	38028	6.848	ng	# 24
70) Phenanthrene	11.56	178	96494	3.906	ng	98
74) Fluoranthene	12.75	202	169178	6.275	ng	95
77) Pyrene	12.99	202	136506	6.834	ng	99
80) Benzo(a)anthracene	14.18	228	70752	3.907	ng	97
82) Chrysene	14.21	228	60653	3.654	ng	95
85) Indeno(1,2,3-cd)pyrene	17.35	276	31809	2.211	ng	# 90
87) Benzo(b)fluoranthene	15.27	252	106181	5.370	ng	95
88) Benzo(k)fluoranthene	15.27	252	106181	5.841	ng	98
89) Benzo(a)pyrene	15.67	252	55117	3.113	ng	95
91) Benzo(g,h,i)perylene	17.84	276	29232	2.026	ng	# 92

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

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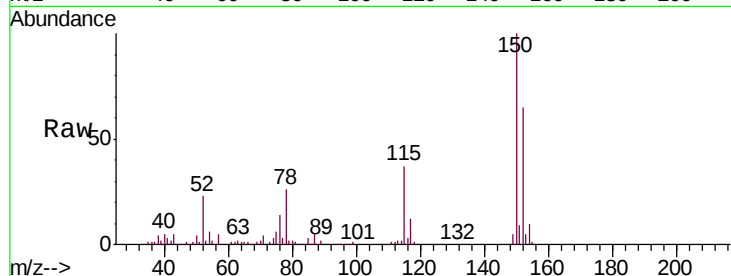


#1

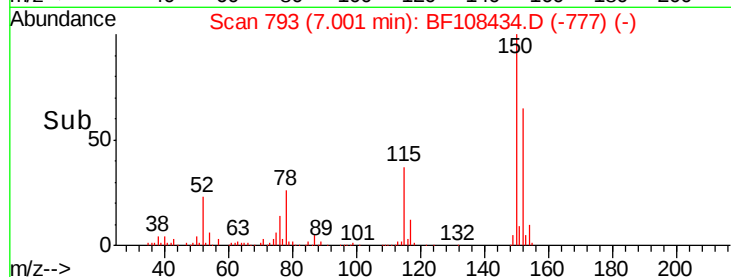
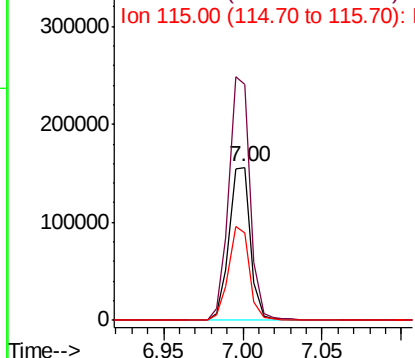
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tgt Ion:152 Resp: 147623
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 57.1 50.1 75.1



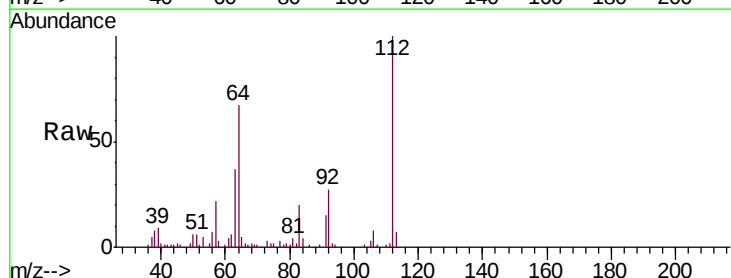
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



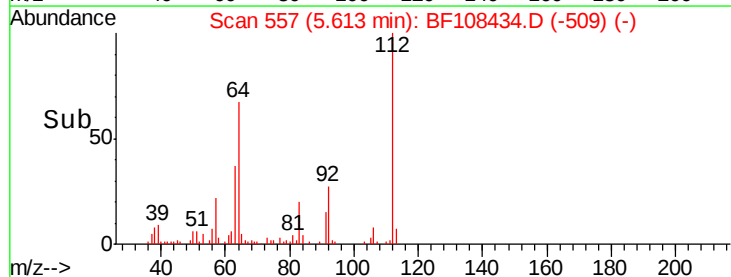
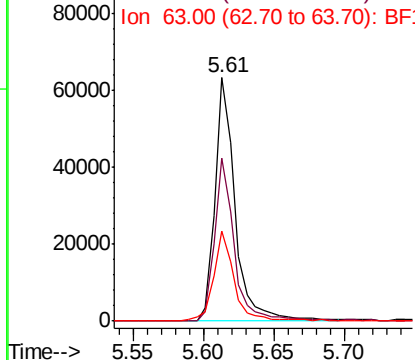
#5

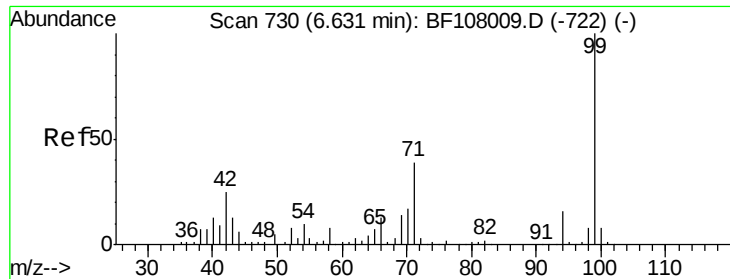
2-Fluorophenol
Concen: 7.733 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Tgt Ion:112 Resp: 63056
Ion Ratio Lower Upper
112 100
64 66.9 47.9 71.9
63 36.8 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: 8.178 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

ClientSampleId :

RA-081718-WSW-20-049

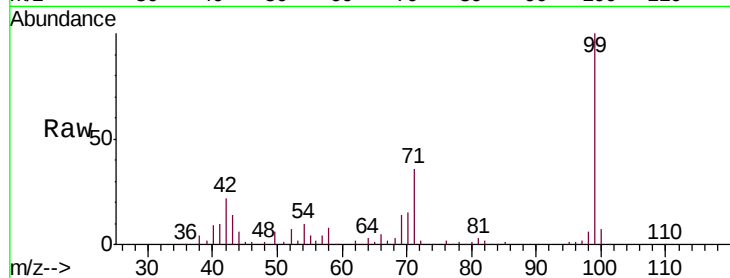
Tgt Ion: 99 Resp: 88607

Ion Ratio Lower Upper

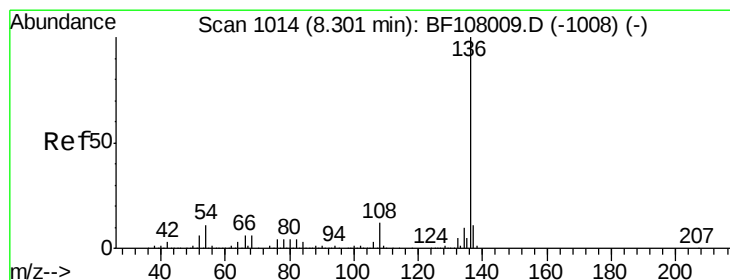
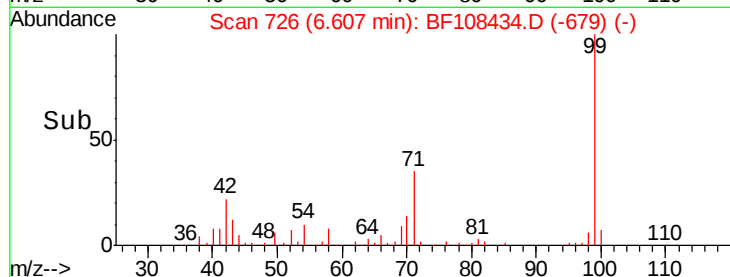
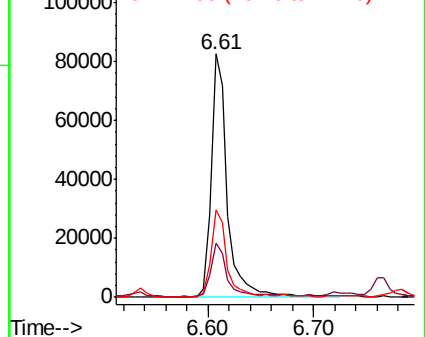
99 100

42 22.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Tgt Ion: 136 Resp: 596403

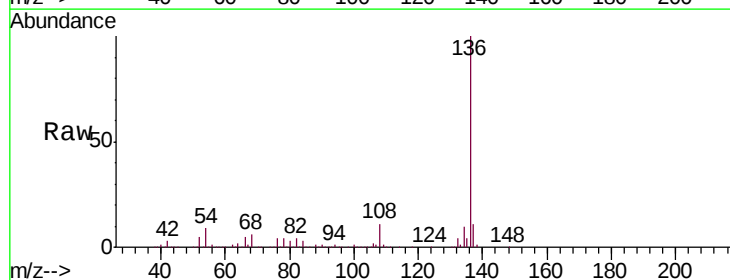
Ion Ratio Lower Upper

136 100

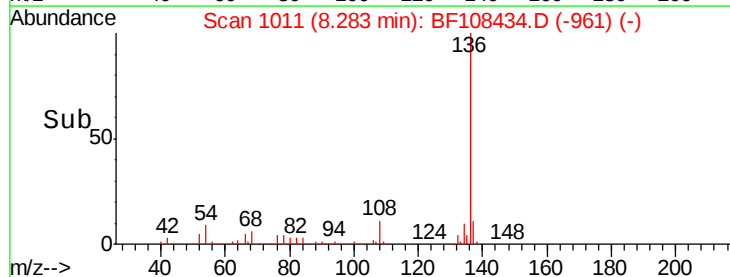
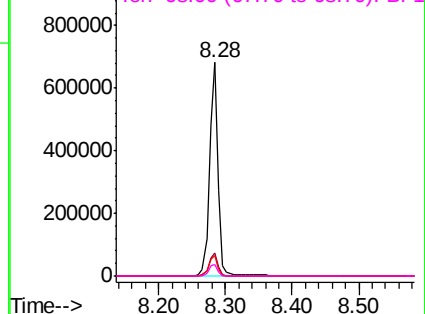
137 11.0 8.9 13.3

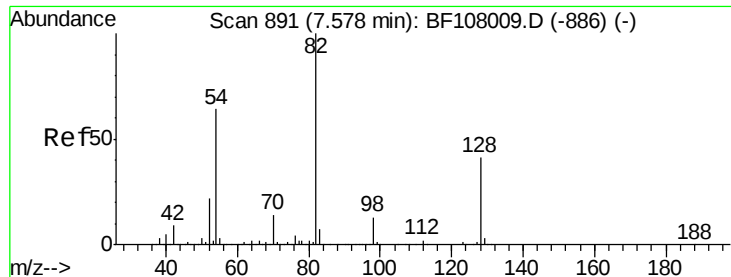
54 9.5 6.6 9.8

68 5.7 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

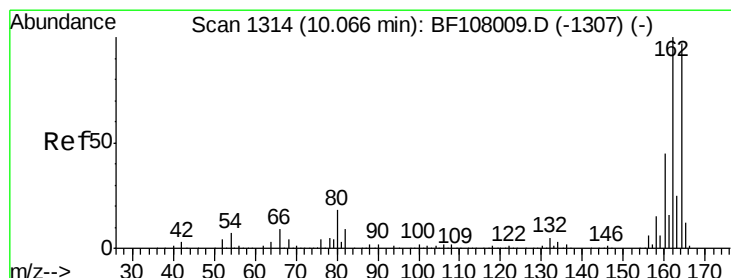
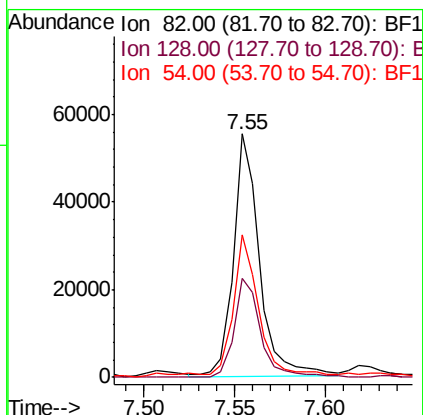
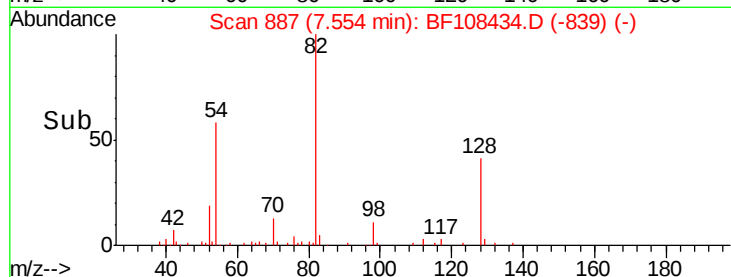
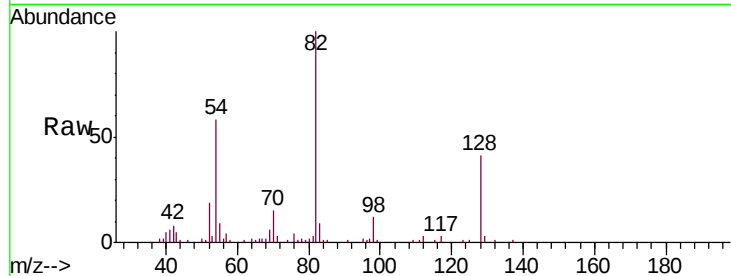




#23
Nitrobenzene-d5
Concen: 5.206 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

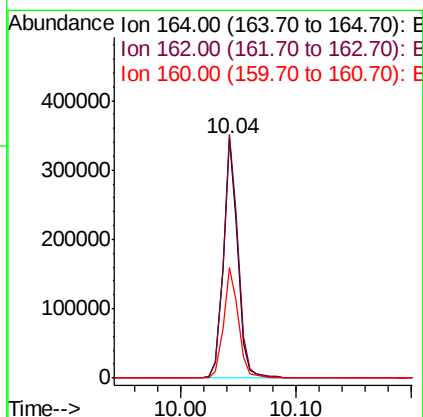
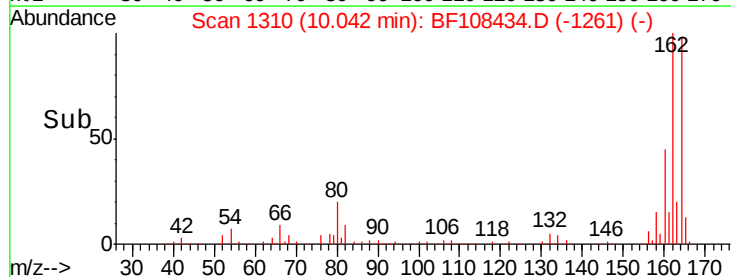
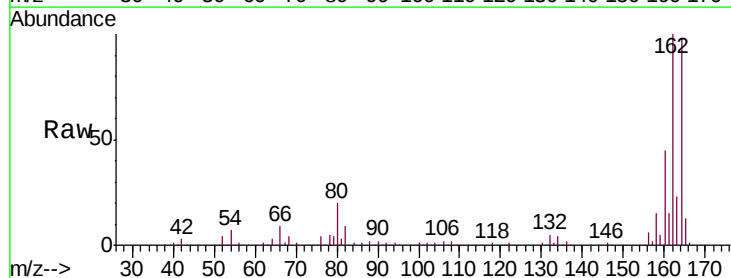
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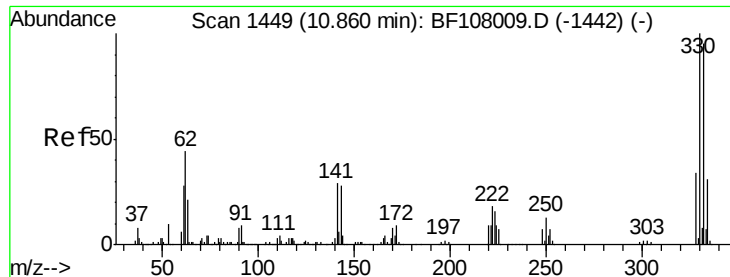
Tgt Ion: 82 Resp: 55640
Ion Ratio Lower Upper
82 100
128 40.7 36.1 54.1
54 58.4 41.4 62.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Tgt Ion: 164 Resp: 296035
Ion Ratio Lower Upper
164 100
162 101.7 86.1 129.1
160 46.2 38.3 57.5

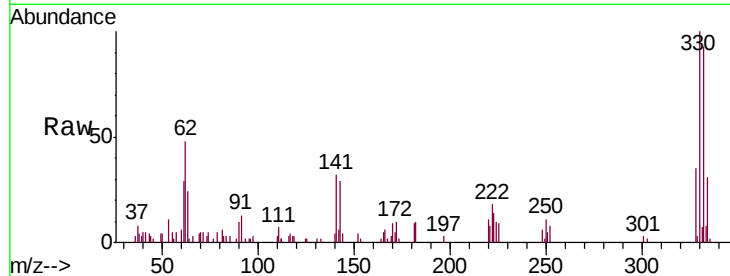




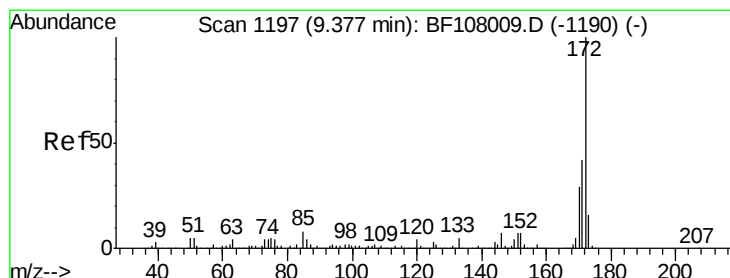
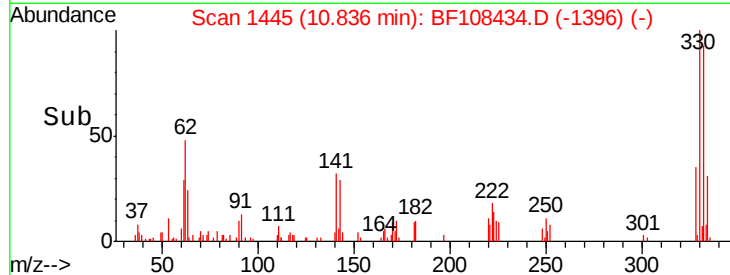
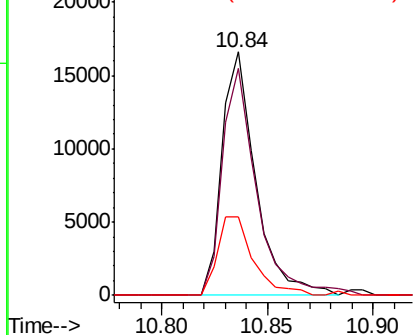
#41
 2,4,6-Tribromophenol
 Concen: 6.221 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Tgt Ion: 330 Resp: 18371
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 34.7 29.9 44.9

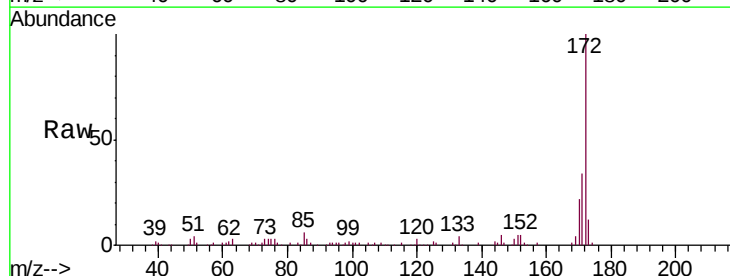


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

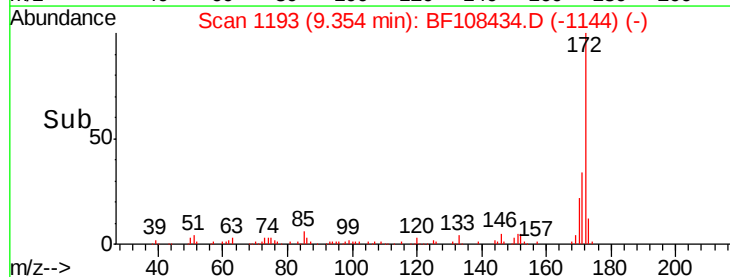
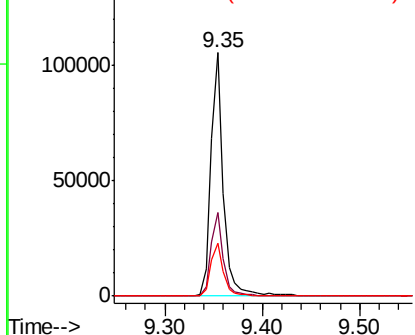


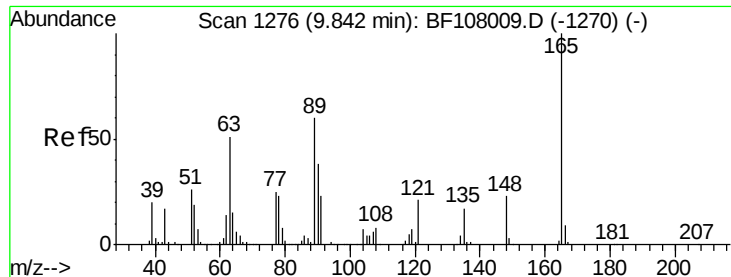
#44
 2-Fluorobiphenyl
 Concen: 5.043 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

Tgt Ion: 172 Resp: 92983
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 21.5 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

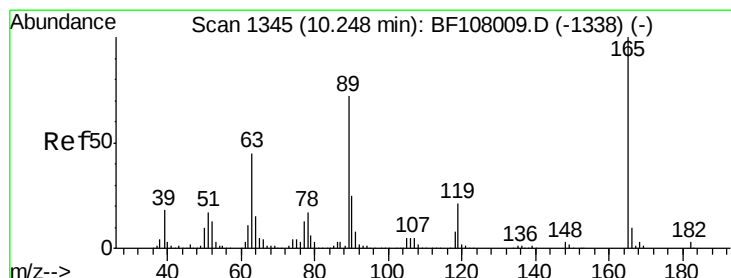
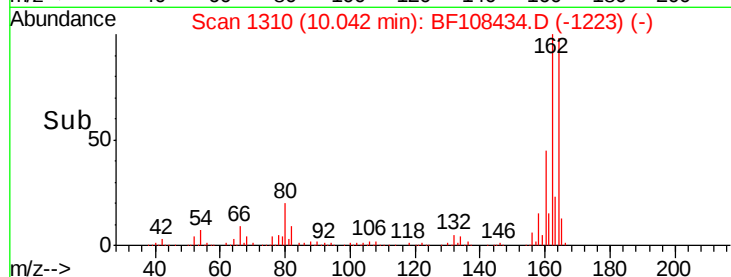
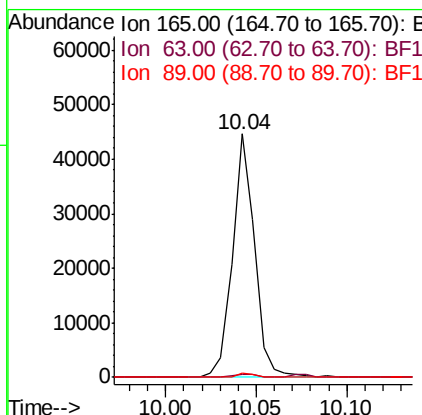
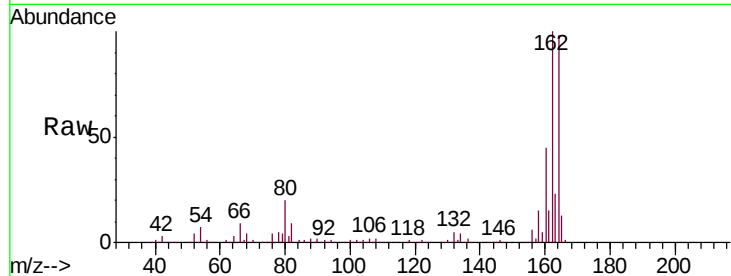




#50
 2,6-Dinitrotoluene
 Concen: 8.814 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

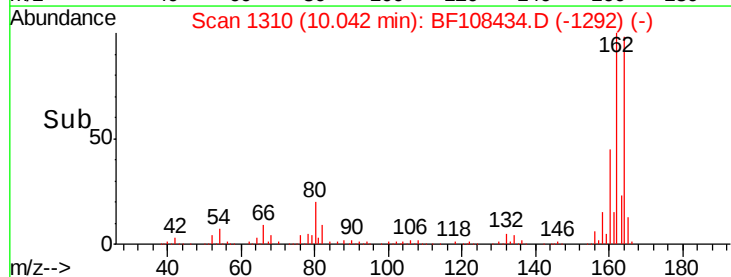
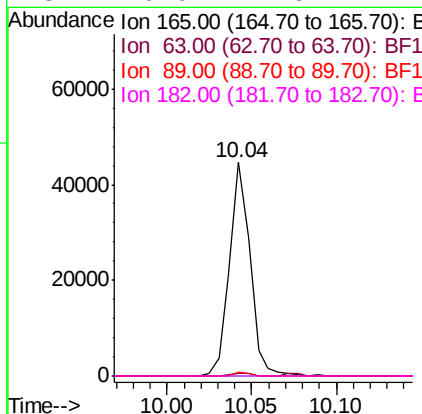
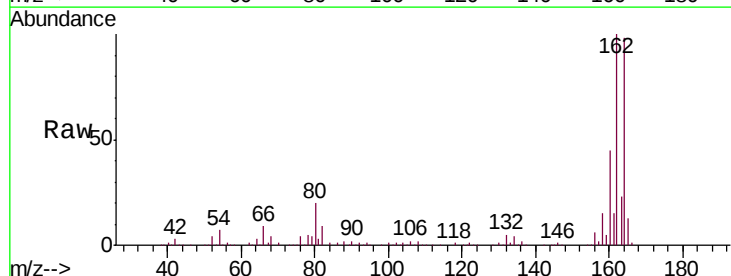
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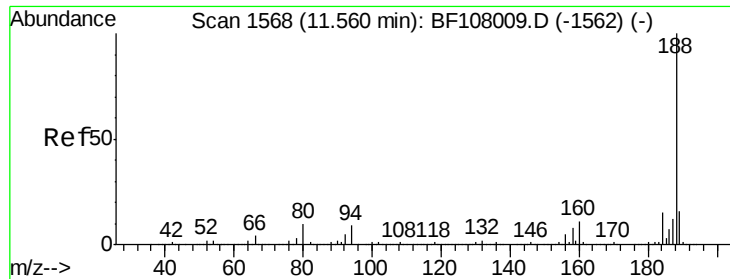
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.848 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

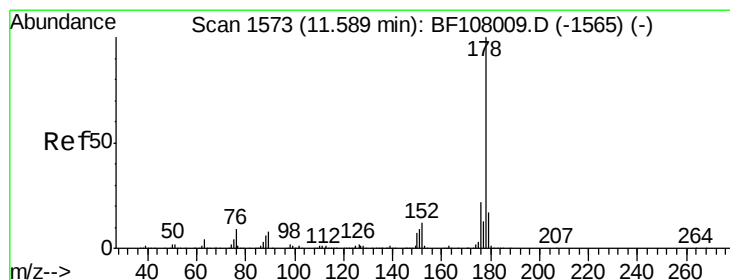
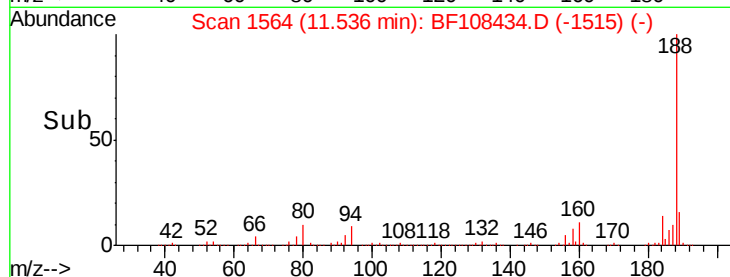
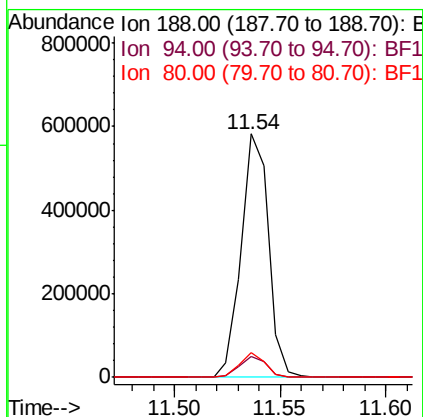
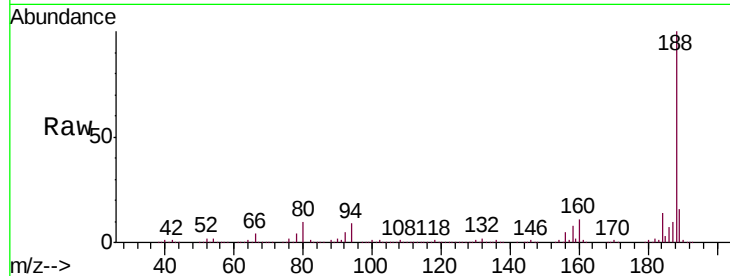




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

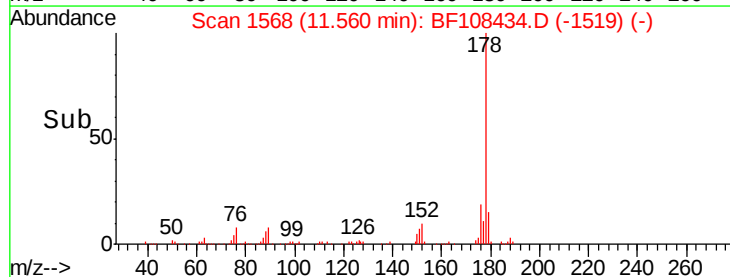
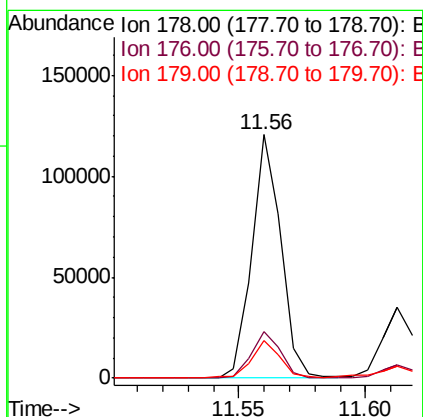
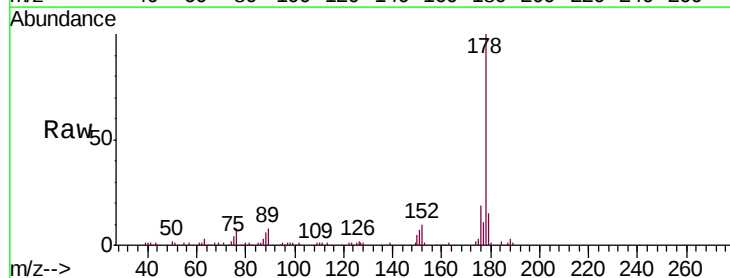
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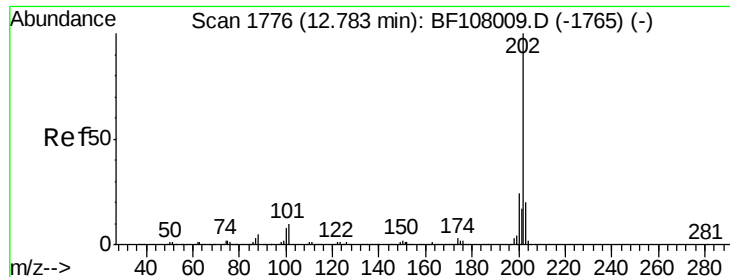
Tgt Ion:188 Resp: 523763
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 10.4 9.2 13.8



#70
Phenanthrene
Concen: 3.906 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Tgt Ion:178 Resp: 96494
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.4 13.0 19.6





#74

Fluoranthene

Concen: 6.275 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

ClientSampleId :

RA-081718-WSW-20-049

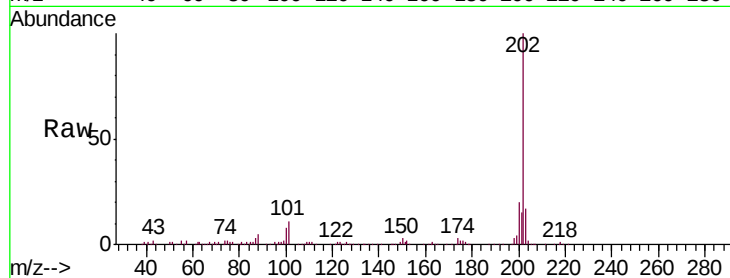
Tgt Ion:202 Resp: 169178

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

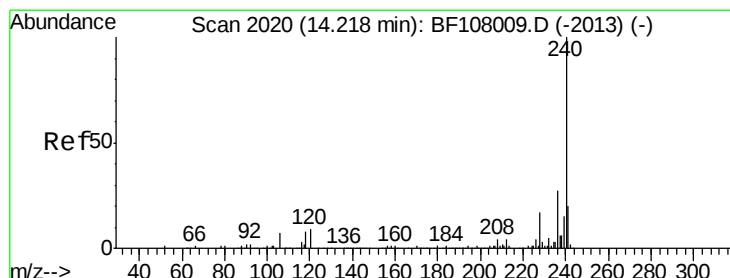
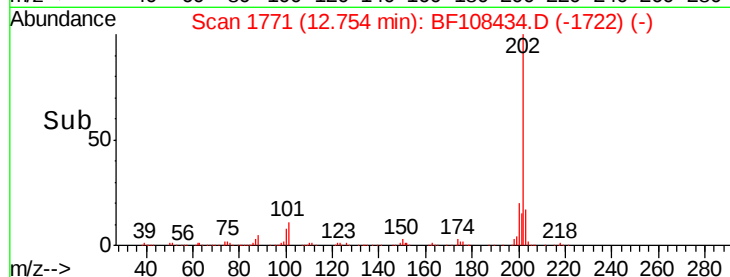
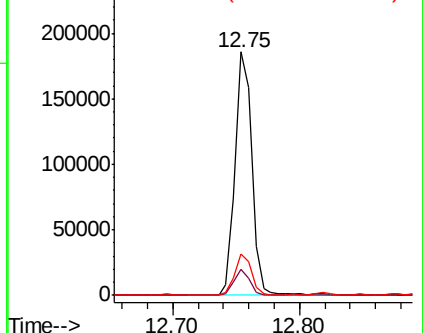
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

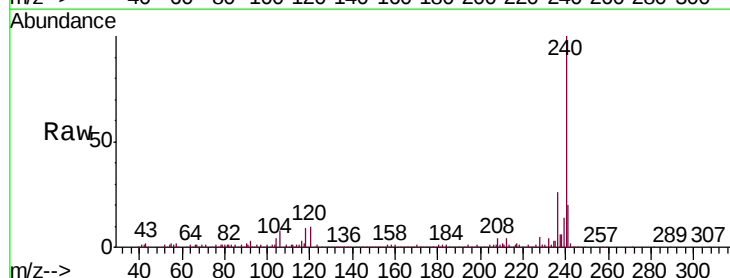
Tgt Ion:240 Resp: 315520

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

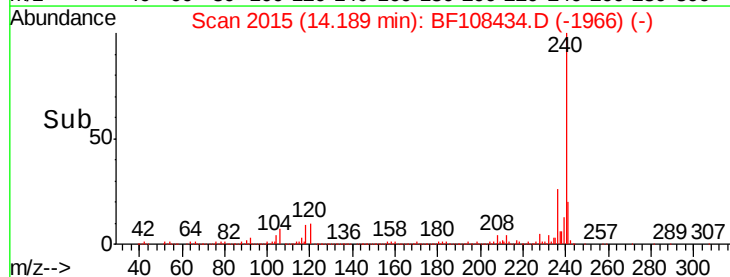
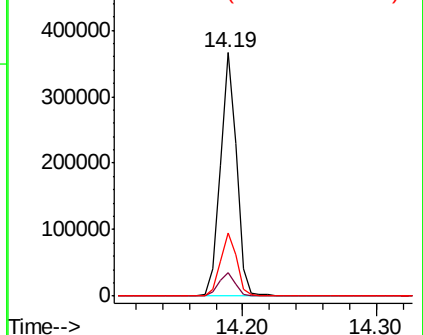
236 26.2 20.7 31.1

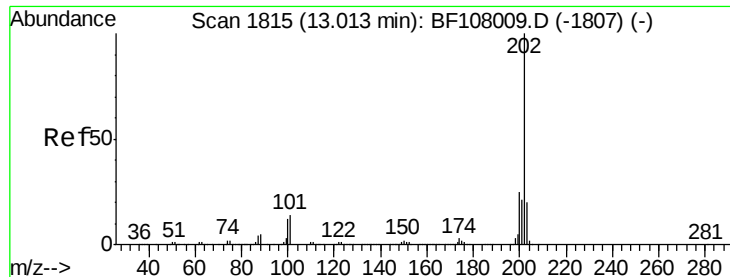


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.834 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

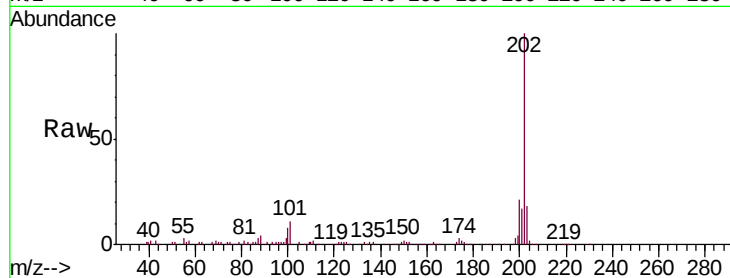
Instrument :

BNA_F

ClientSampleId :

RA-081718-WSW-20-049

Tgt Ion:	202	Resp:	136506
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5



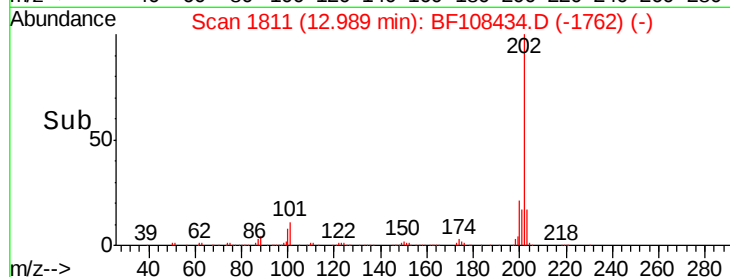
Abundance

Ion 202.00 (201.70 to 202.70): E

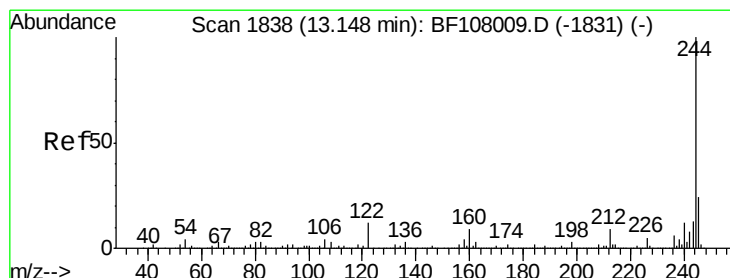
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.99



Time-->



#78

Terphenyl-d14

Concen: 5.117 ng

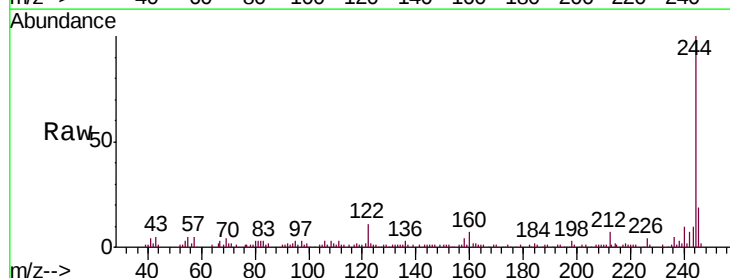
RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Tgt Ion:	244	Resp:	63500
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	10.7	11.0	16.4#



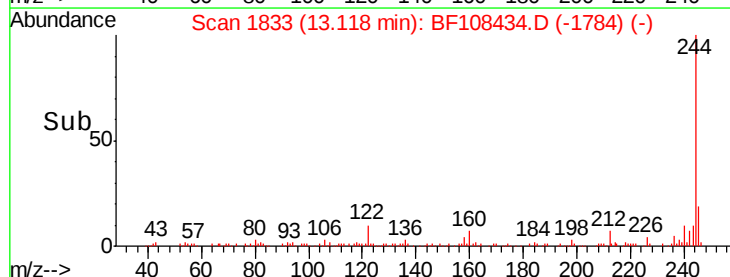
Abundance

Ion 244.00 (243.70 to 244.70): E

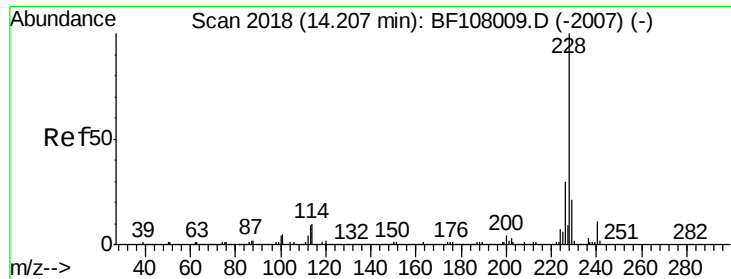
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

13.12



Time-->



#80

Benzo(a)anthracene

Concen: 3.907 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

ClientSampleId :

RA-081718-WSW-20-049

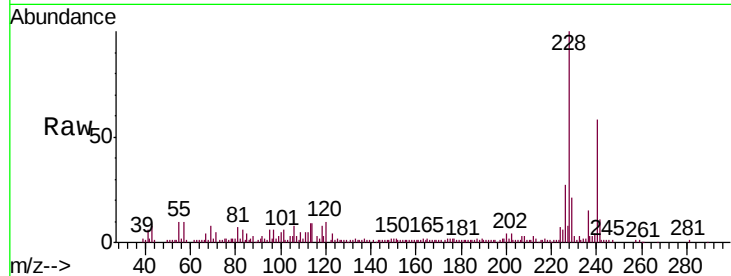
Tgt Ion:228 Resp: 70752

Ion Ratio Lower Upper

228 100

226 26.6 22.6 33.8

229 21.3 15.8 23.6

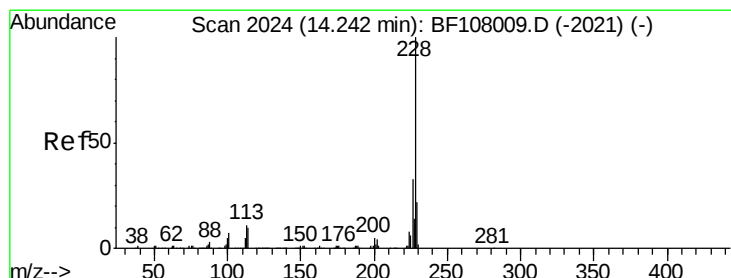
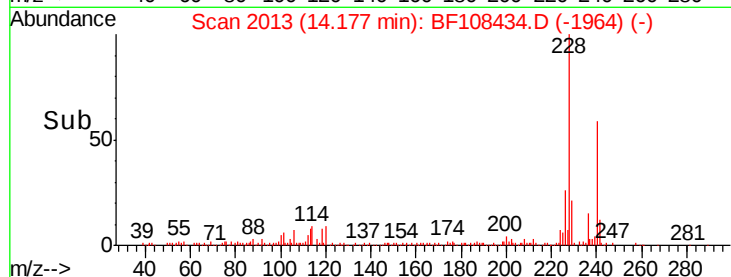
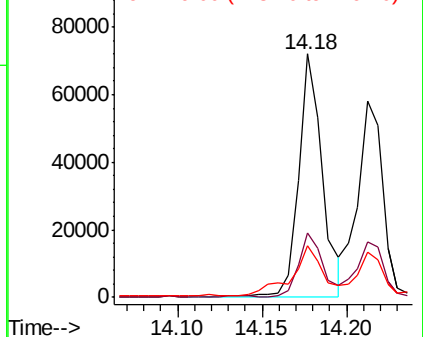


Abundance

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: 3.654 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

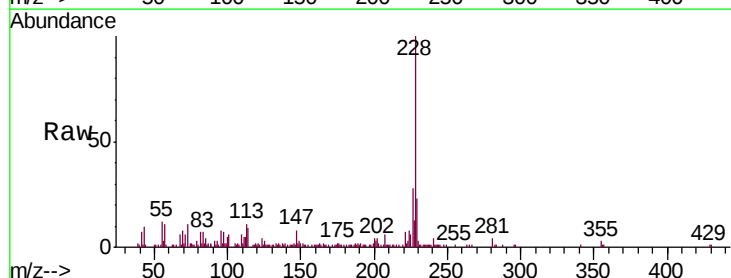
Tgt Ion:228 Resp: 60653

Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

229 22.9 16.2 24.4

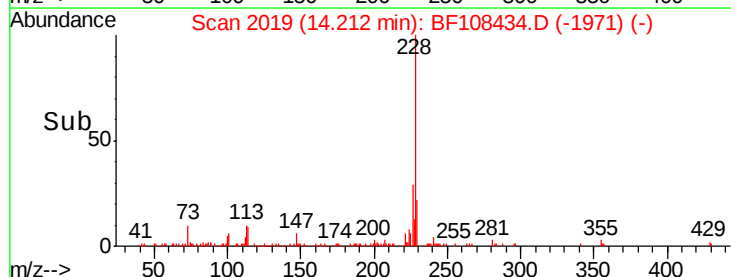
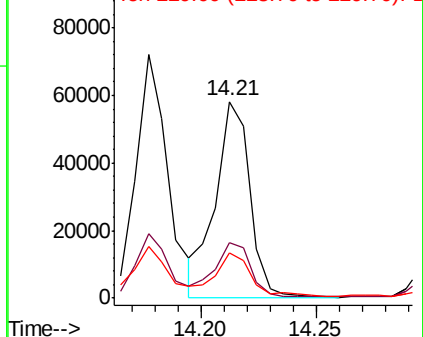


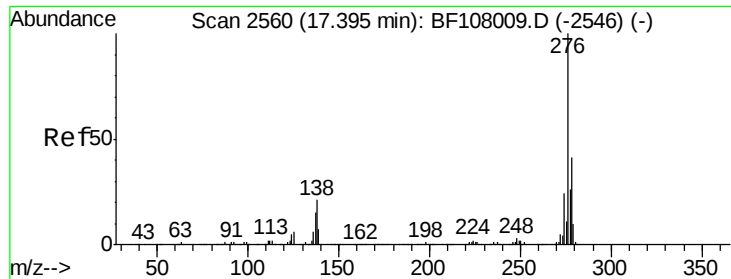
Abundance

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

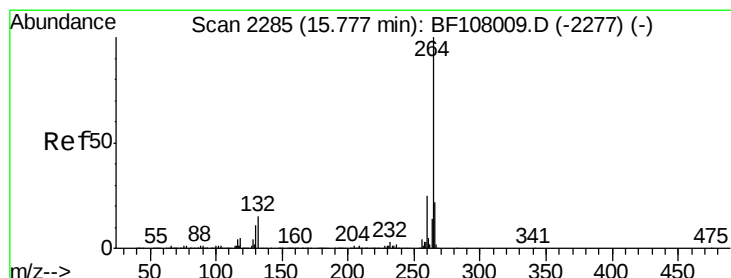
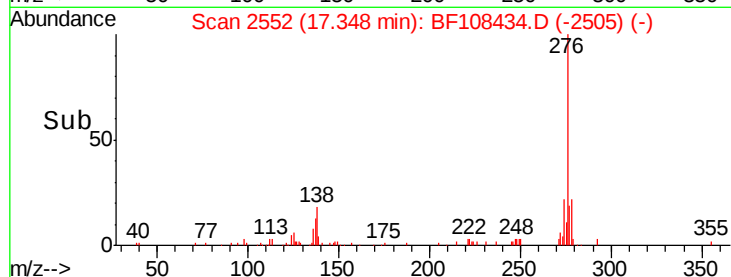
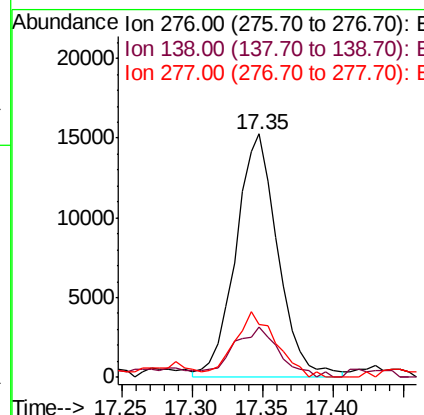
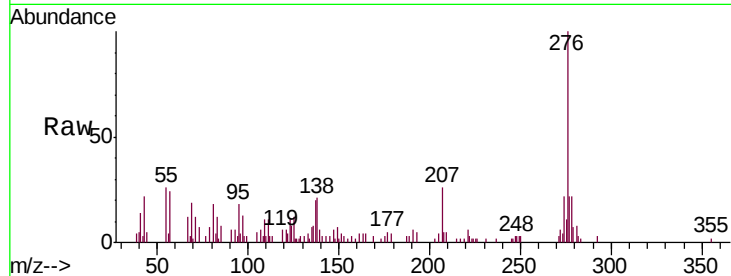




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.211 ng
 RT: 17.35 min Scan# 2552
 Delta R.T. -0.02 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

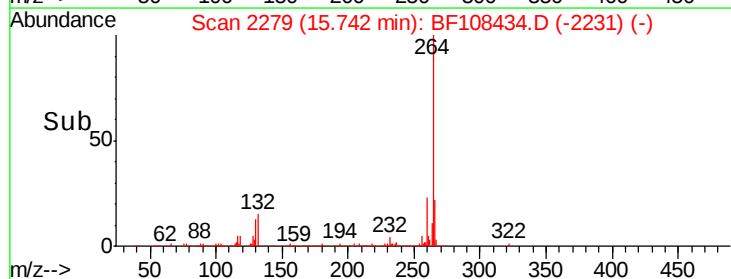
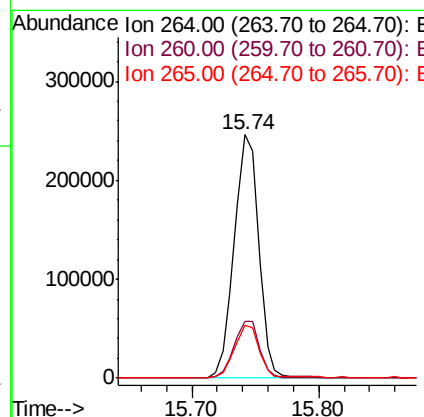
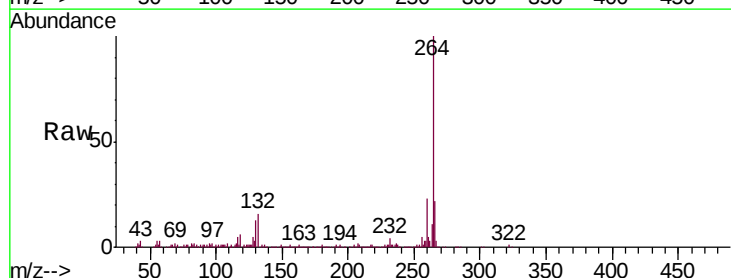
Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

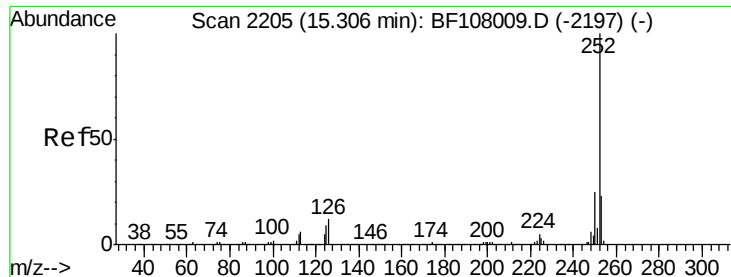
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	26.5	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.74 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	17.5	26.3

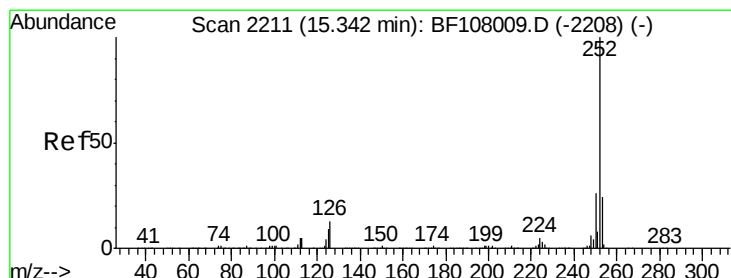
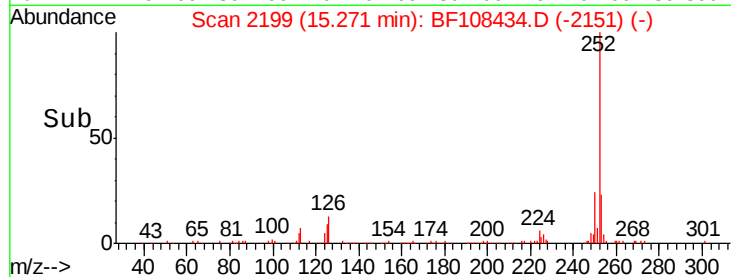
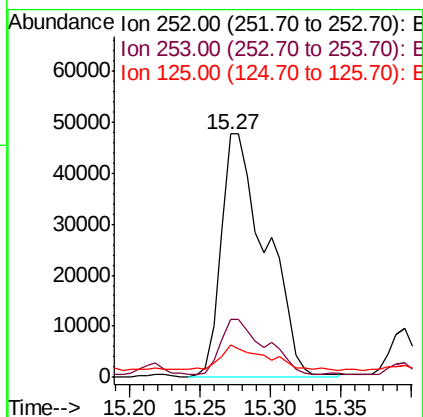
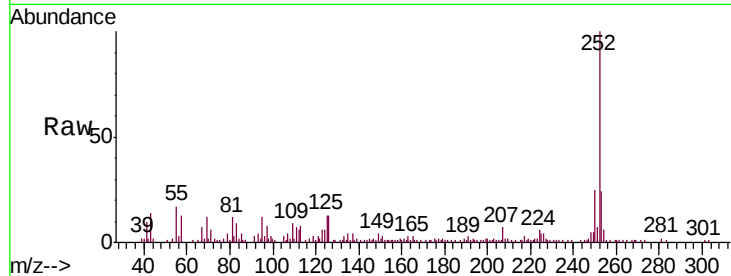




#87
Benzo(b)fluoranthene
Concen: 5.370 ng
RT: 15.27 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

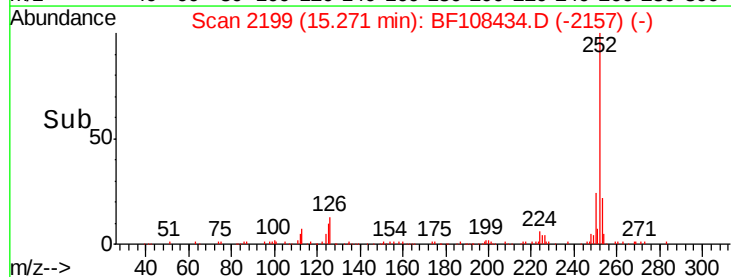
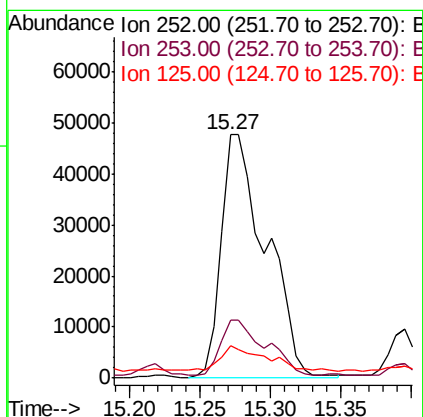
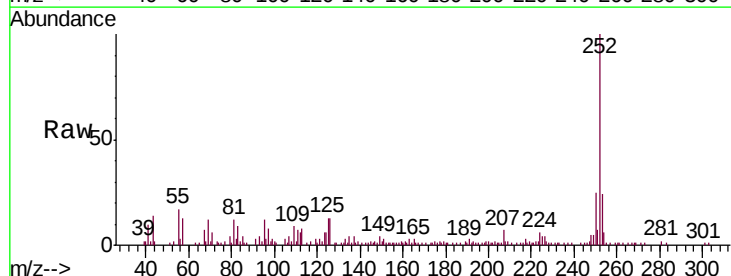
Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

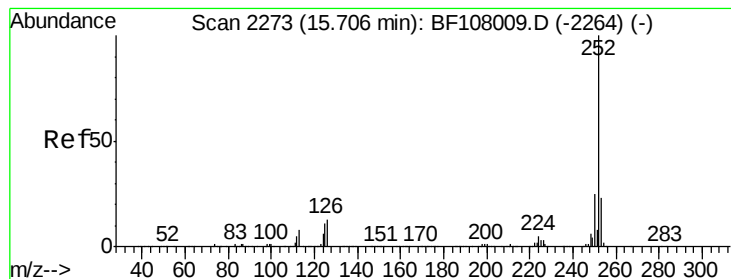
Tgt Ion:252 Resp: 106181
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 13.2 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 5.841 ng
RT: 15.27 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Tgt Ion:252 Resp: 106181
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 13.2 10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.113 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

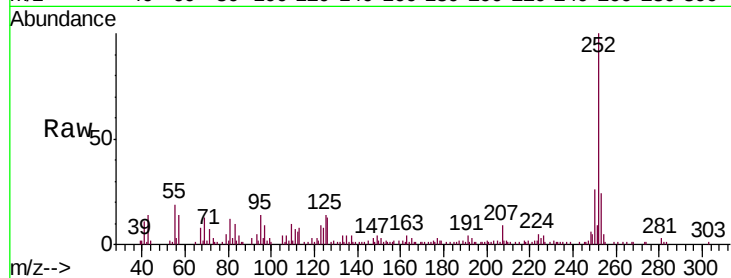
Instrument :

BNA_F

ClientSampleId :

RA-081718-WSW-20-049

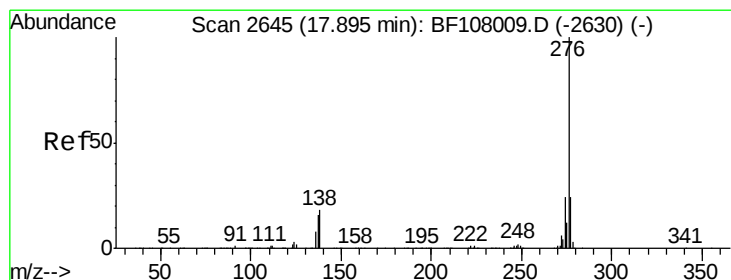
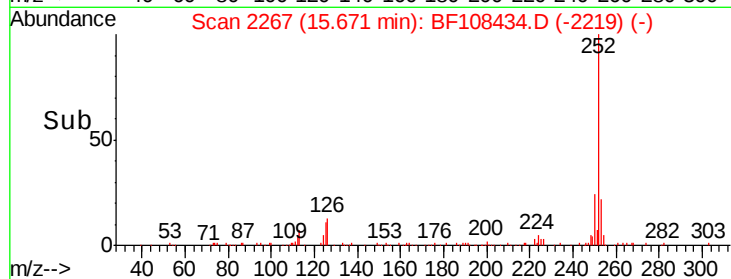
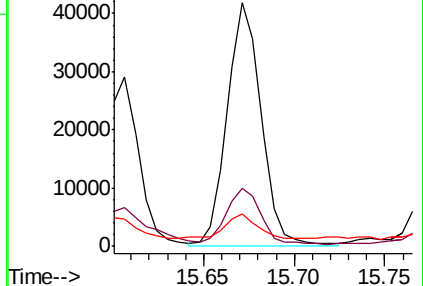
Tgt Ion:	252	Resp:	55117
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	13.6	9.8	14.6



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: 2.026 ng

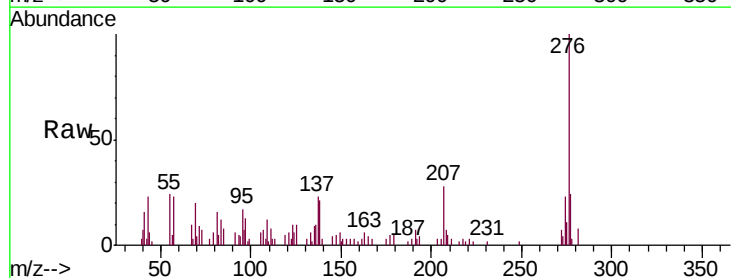
RT: 17.84 min Scan# 2635

Delta R.T. -0.03 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Tgt Ion:	276	Resp:	29232
Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	21.2	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

