

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108438.D
 Acq On : 23 Aug 2018 23:16
 Operator : JU/SJ
 Sample : J4559-08 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-145-052

Manual Integrations
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Sohil
 8/24/2018 12:14:20 PM

Quant Time: Aug 24 02:34:18 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	135591	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	524608	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	242940	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	384692	20.00	ng	0.00
75) Chrysene-d12	14.19	240	281577	20.00	ng	0.00
86) Perylene-d12	15.75	264	259532	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	126039	16.83	ng	-0.01
7) Phenol-d6	6.61	99	175294	17.61	ng	-0.02
23) Nitrobenzene-d5	7.56	82	110382	11.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	32989	13.61	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	196416	12.98	ng	-0.01
78) Terphenyl-d14	13.12	244	128882	11.64	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	61137	3.613	ng	Qvalue # 98
70) Phenanthrene	11.57	178	220085	12.130	ng	99
71) Anthracene	11.62	178	41466	2.230	ng	96
74) Fluoranthene	12.76	202	290198	14.655	ng	95
77) Pyrene	13.00	202	237209	13.306	ng	99
80) Benzo(a)anthracene	14.18	228	109891	6.800	ng	97
82) Chrysene	14.22	228	101727	6.866	ng	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	49444	3.852	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	141933m	9.152	ng	
88) Benzo(k)fluoranthene	15.31	252	46657m	3.273	ng	
89) Benzo(a)pyrene	15.68	252	92361	6.651	ng	# 95
91) Benzo(a,h,i)perylene	17.85	276	46431	4.104	ng	# 87

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

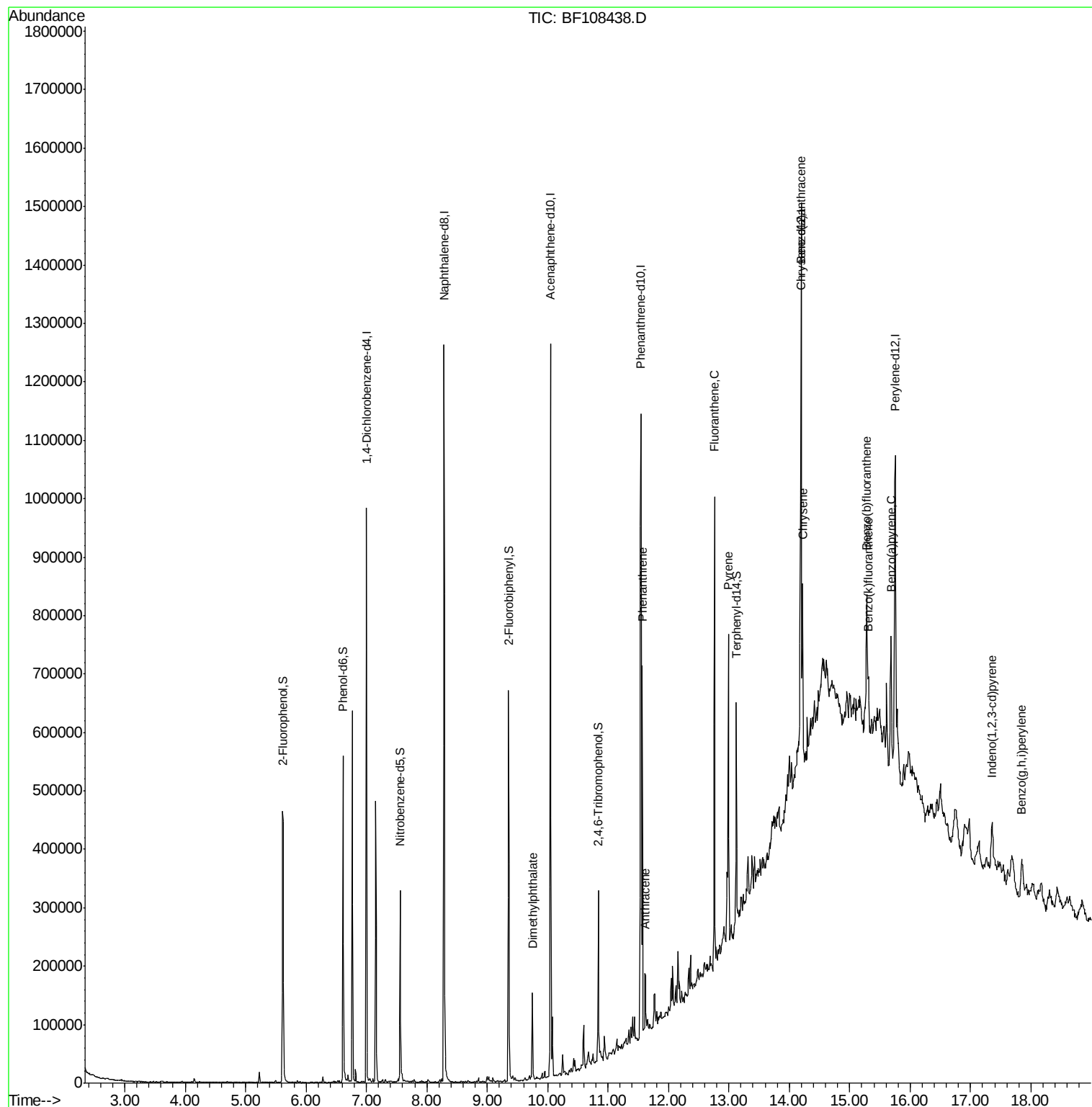
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108438.D
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Operator : JU/SJ
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#1

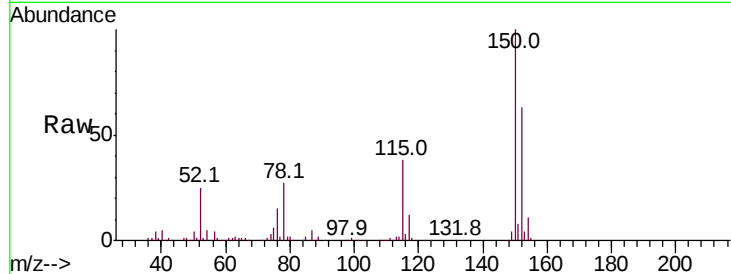
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-145-052

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.4	50.1	75.1

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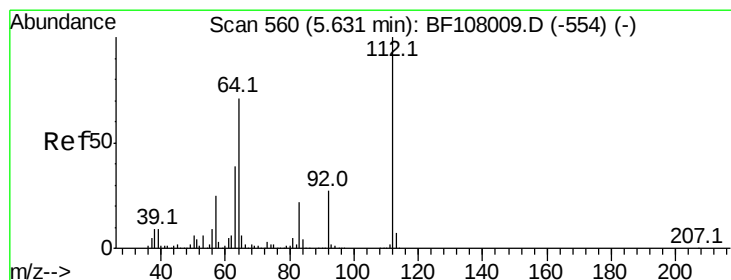
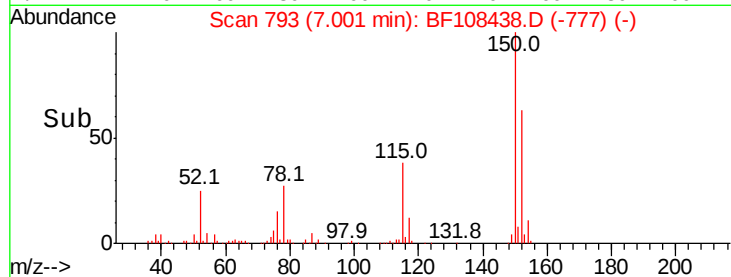
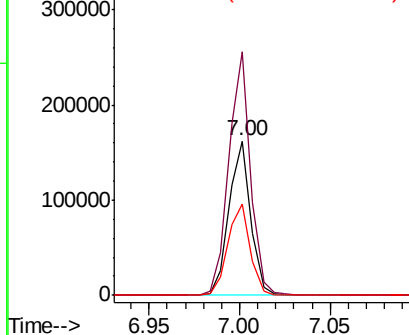


Abundance

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: 16.829 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

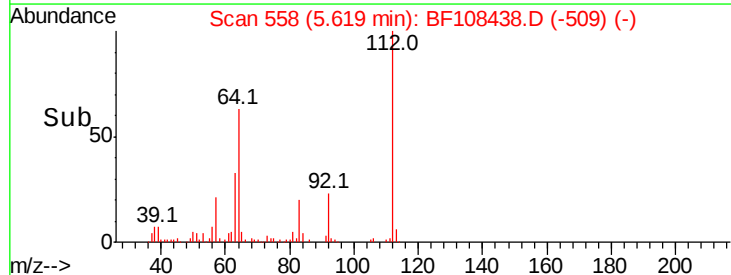
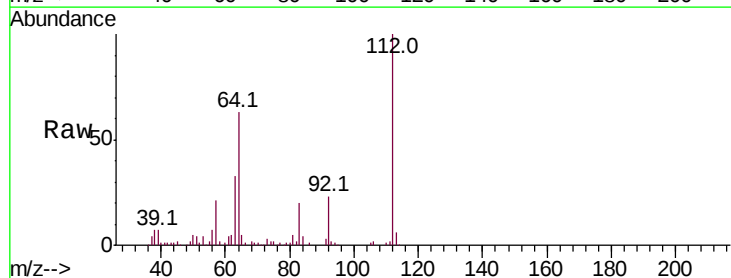
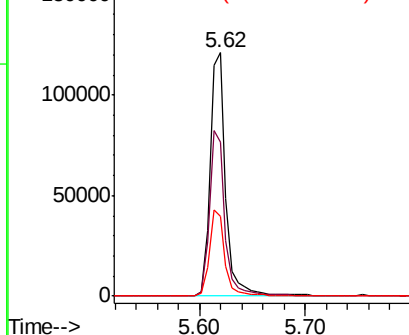
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	32.8	23.7	35.5

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: 17.613 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Instrument :

BNA_F

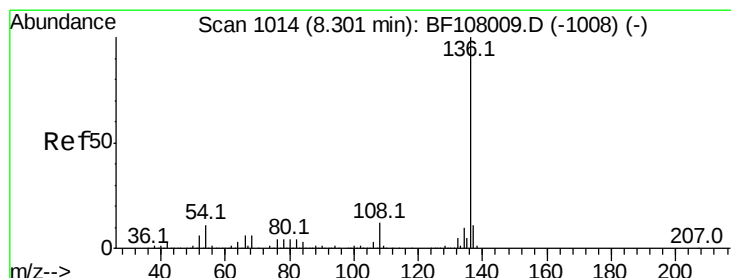
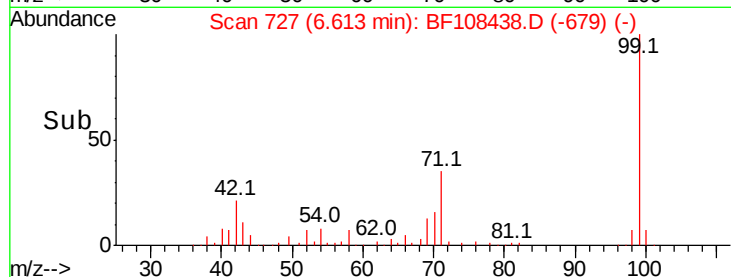
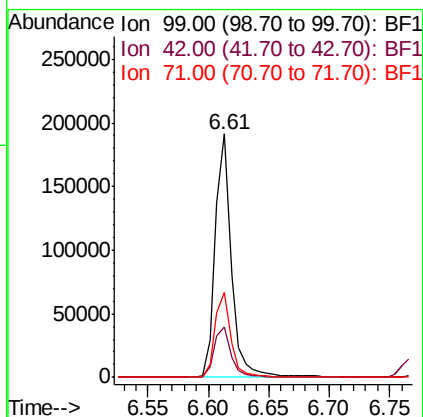
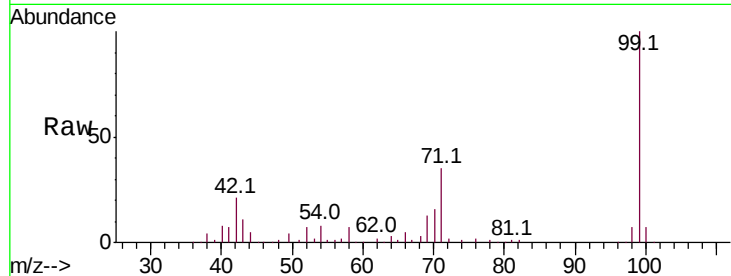
ClientSampleId :

RA-081718-SSW-145-052

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		175294		
42	20.7	14.5	21.7		
71	35.1	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

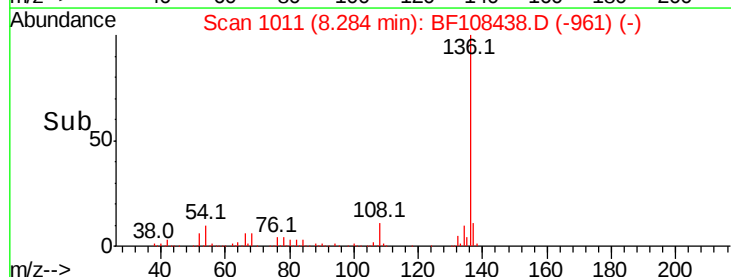
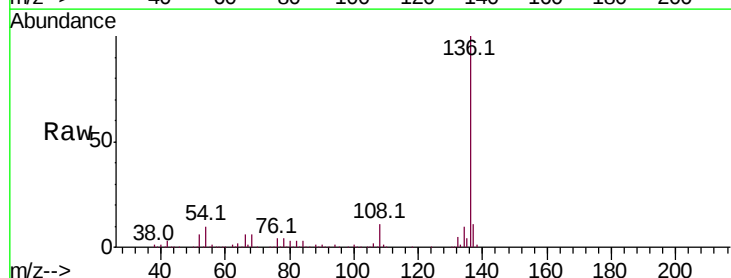
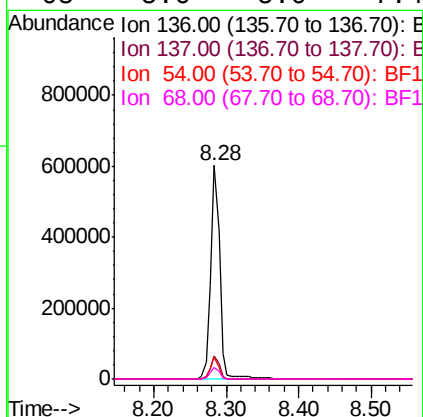
RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		524608		
137	10.9	8.9	13.3		
54	10.0	6.6	9.8#		
68	5.6	5.0	7.4		





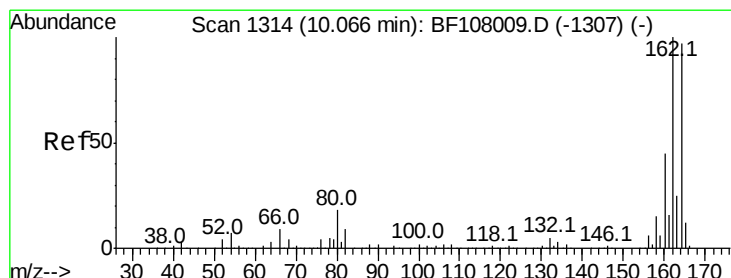
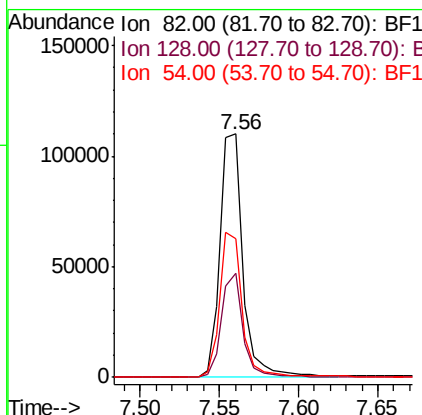
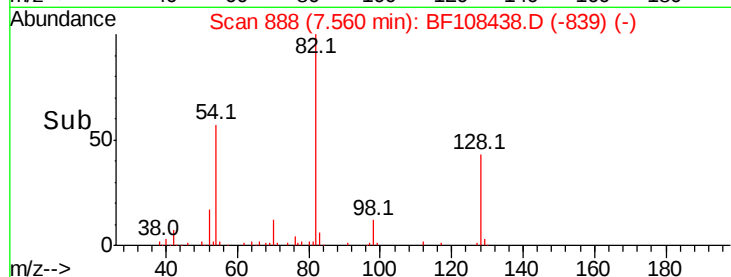
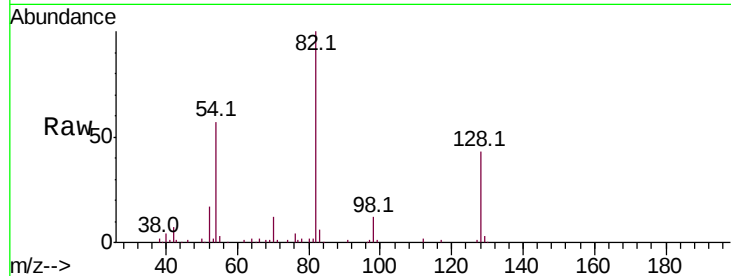
#23
Nitrobenzene-d5
Concen: 11.741 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-145-052

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.1	54.1
54	56.7	41.4	62.2

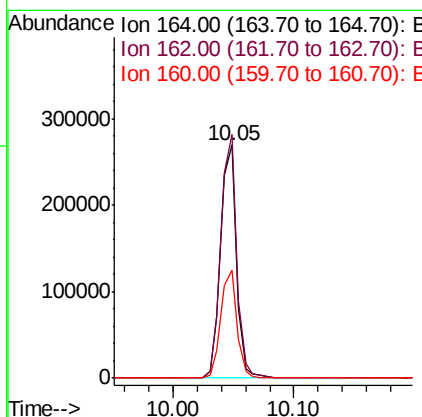
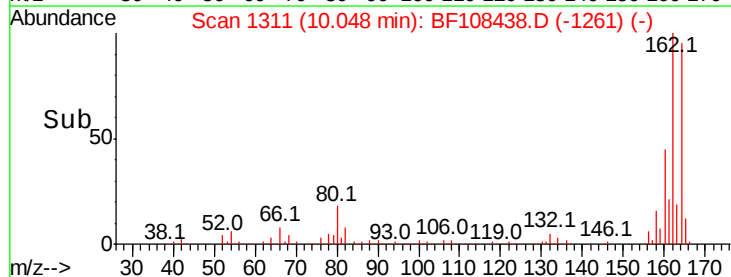
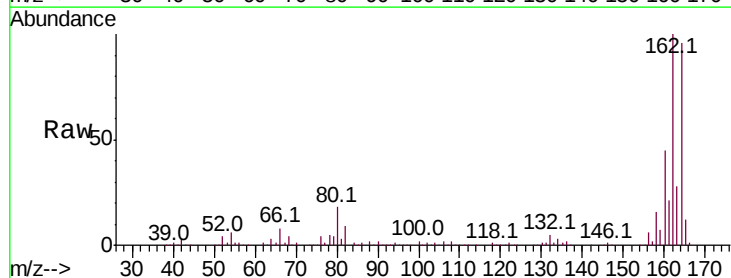
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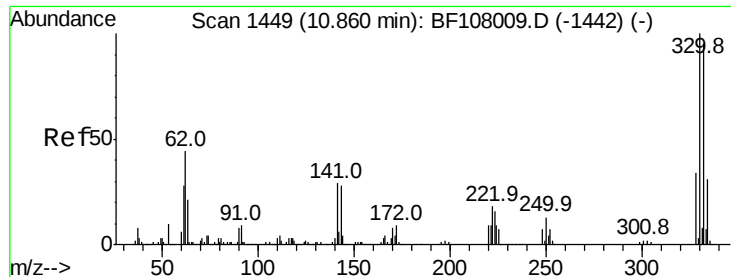
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	46.5	38.3	57.5





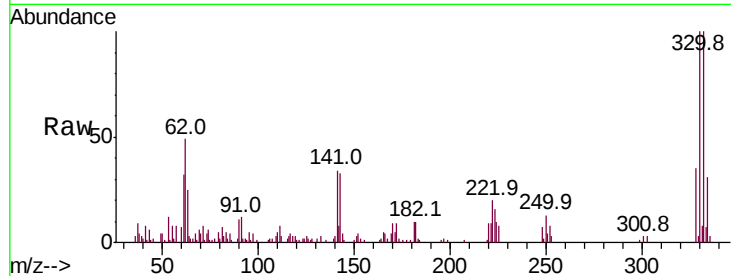
#41
 2,4,6-Tribromophenol
 Concen: 13.613 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-145-052

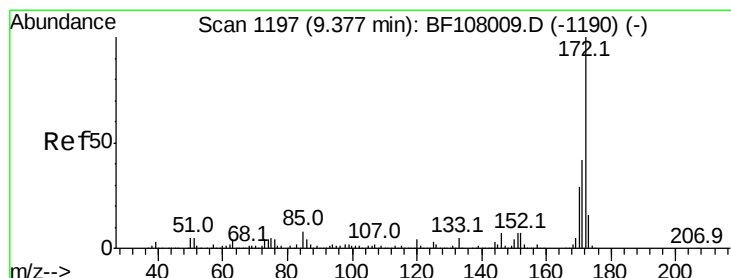
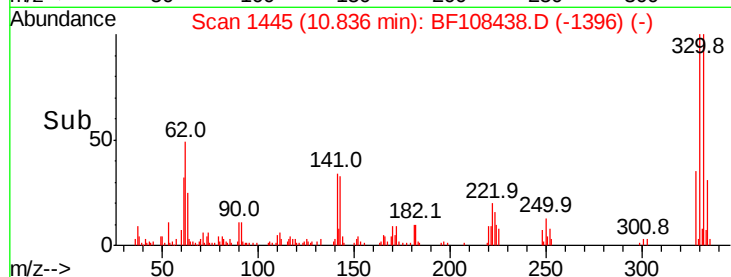
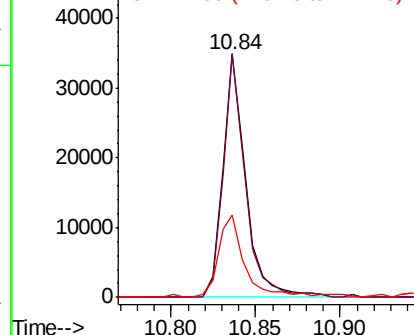
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	77.0	115.6	
141	39.2	29.9	44.9	

Manual Integrations
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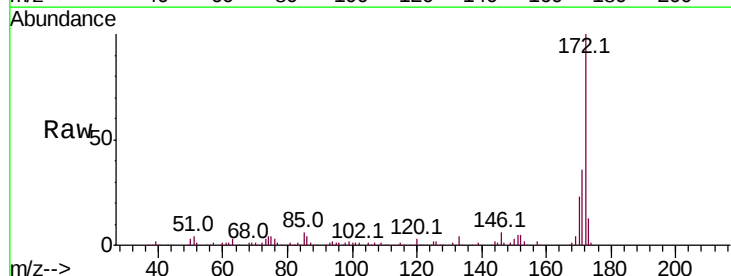


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

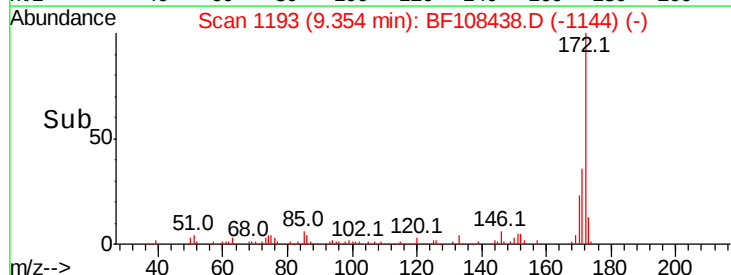
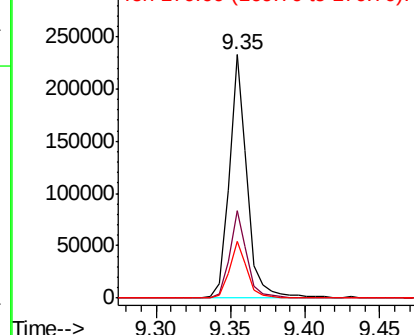


#44
 2-Fluorobiphenyl
 Concen: 12.980 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	23.3	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





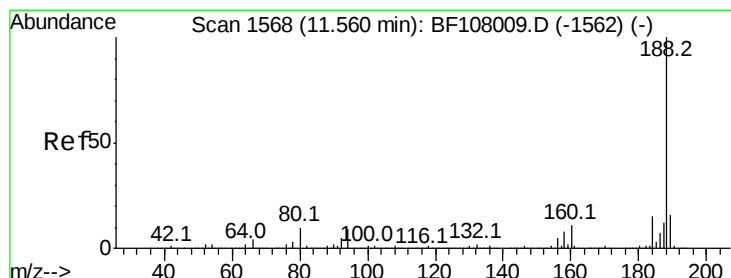
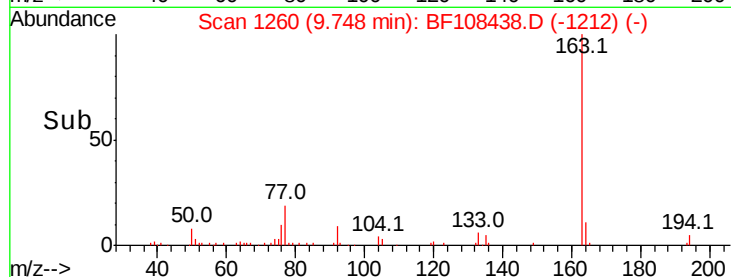
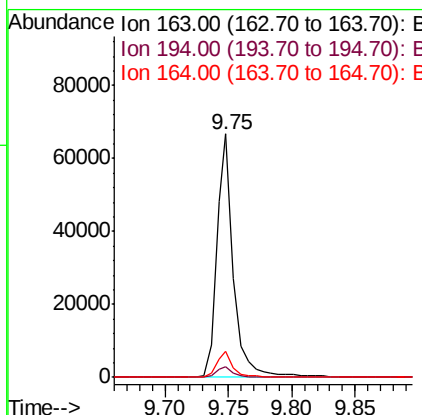
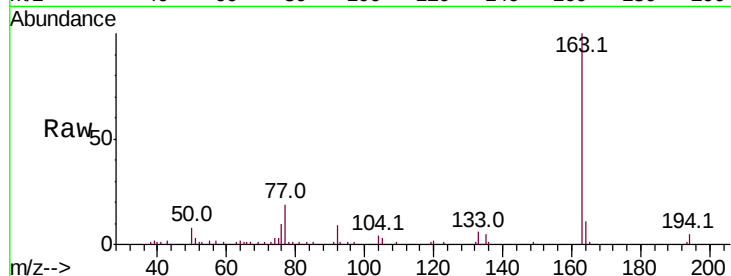
#49
 Dimethylphthalate
 Concen: 3.613 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-145-052

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.7	4.1#
164	10.6	8.2	12.2

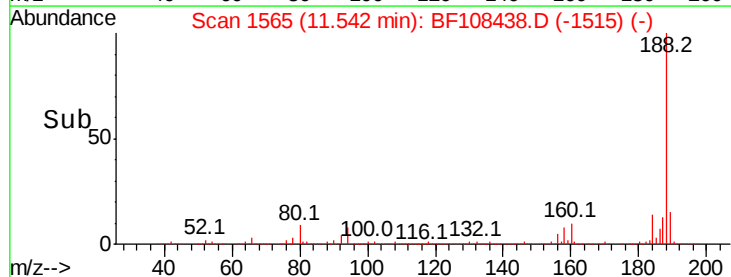
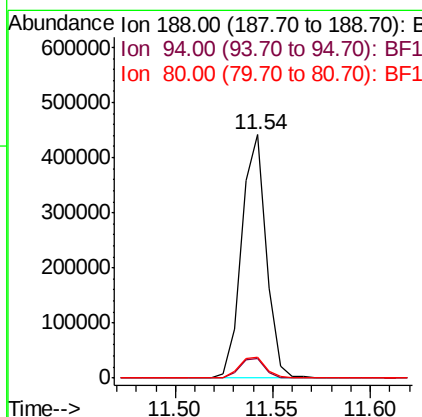
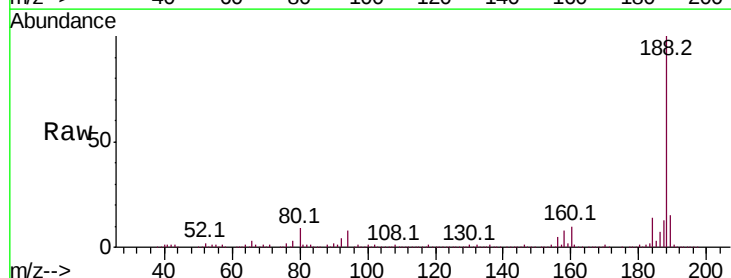
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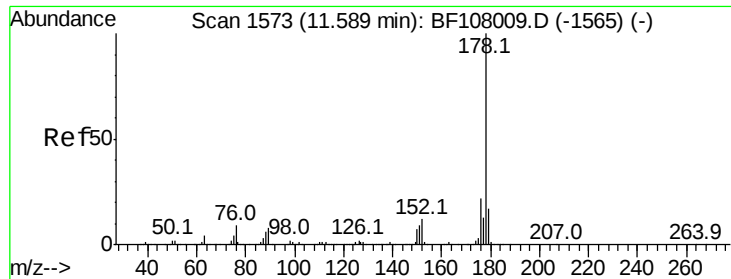
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.6	9.2	13.8#





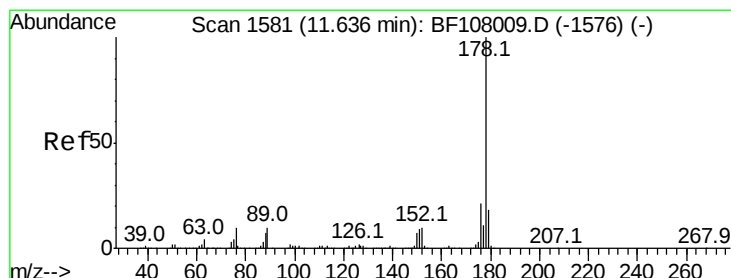
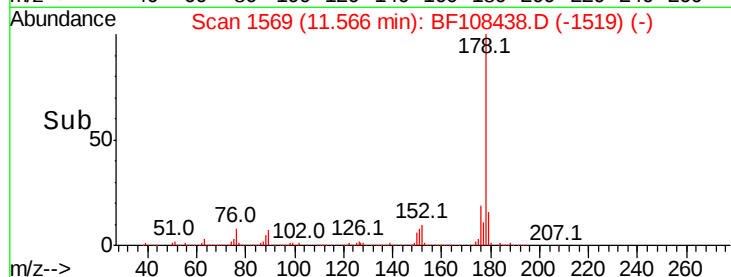
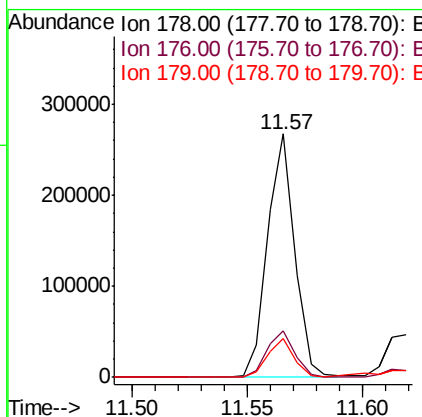
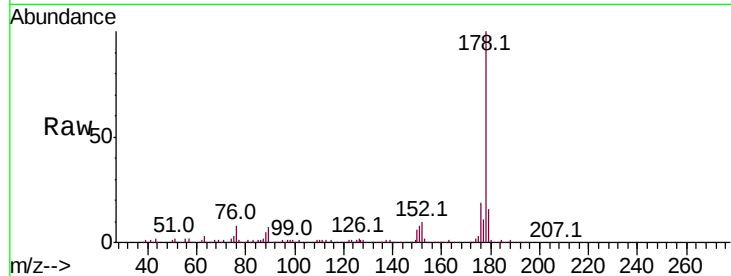
#70
Phenanthrene
Concen: 12.130 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-145-052

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.9	13.0	19.6

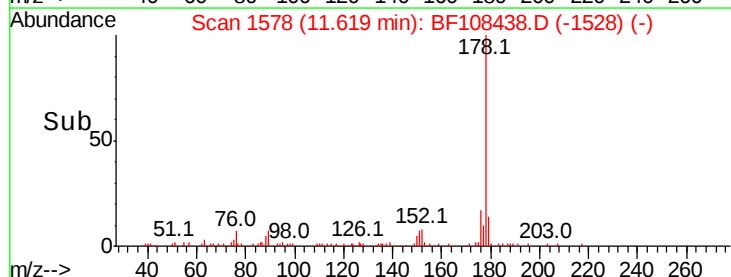
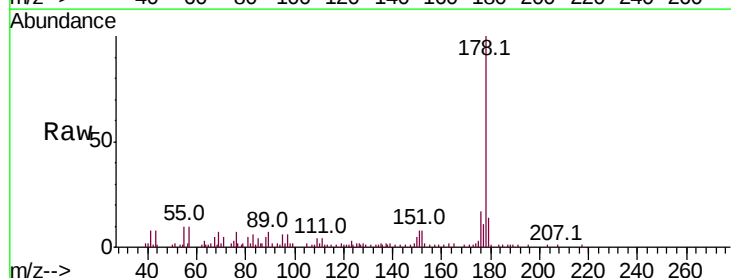
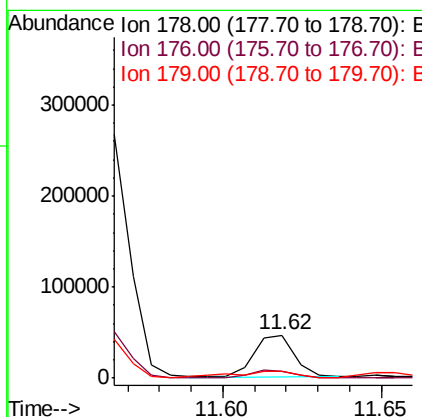
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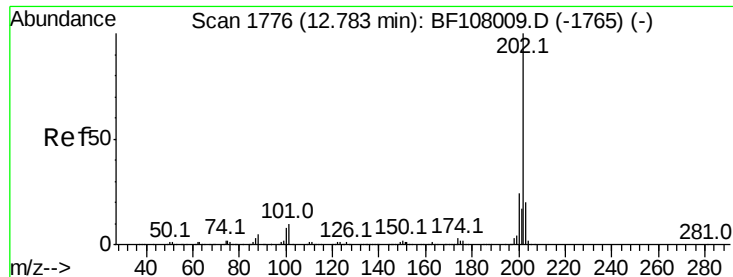
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#71
Anthracene
Concen: 2.230 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.4	23.2
179	14.4	12.6	19.0





#74

Fluoranthene

Concen: 14.655 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Instrument :

BNA_F

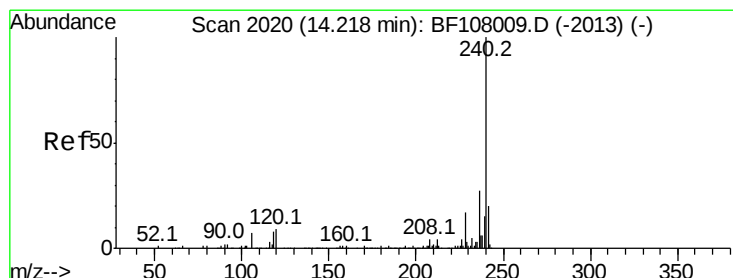
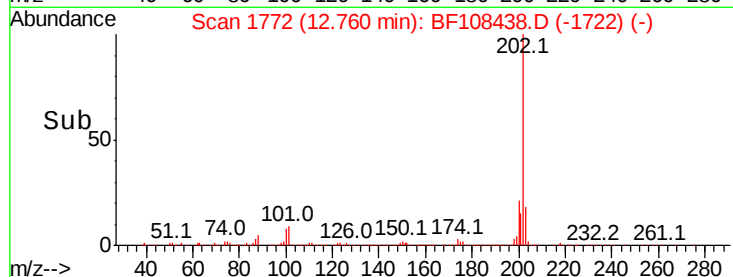
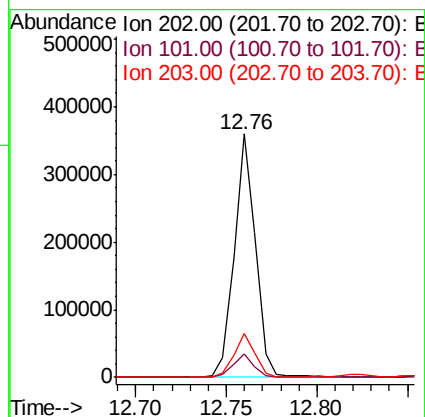
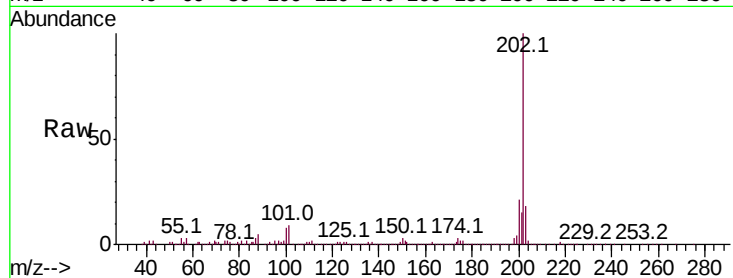
ClientSampleId :

RA-081718-SSW-145-052

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.4	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

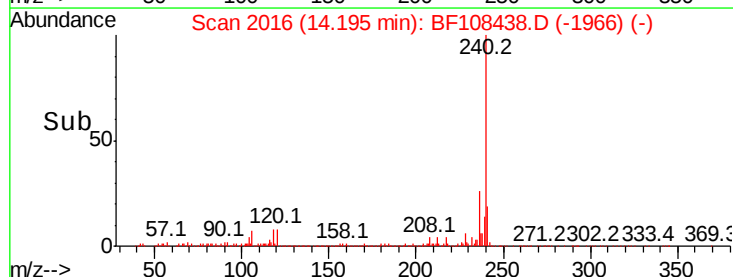
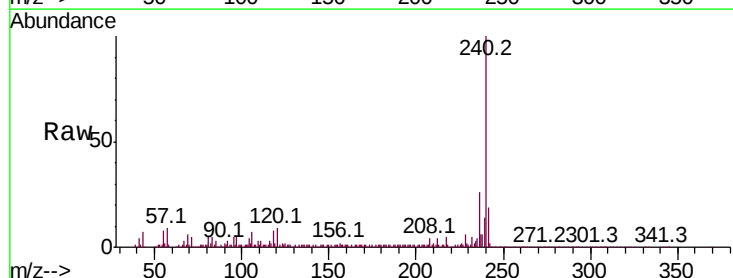
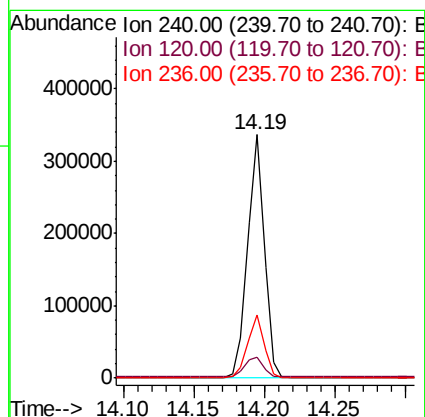
RT: 14.19 min Scan# 2016

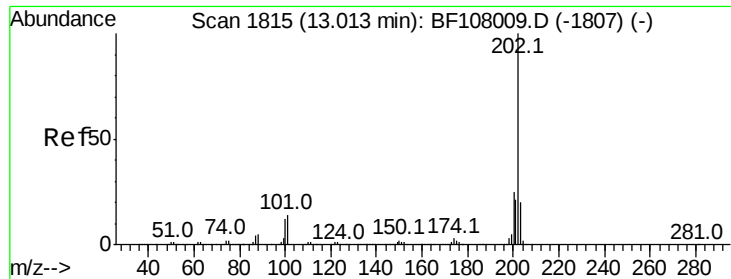
Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	25.7	20.7	31.1





#77

Pvrene

Concen: 13.306 ng

RT: 13.00 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Instrument :

BNA_F

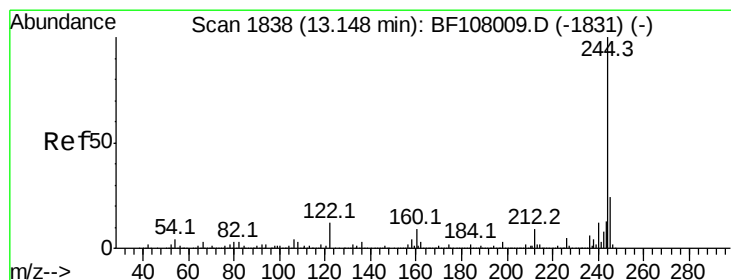
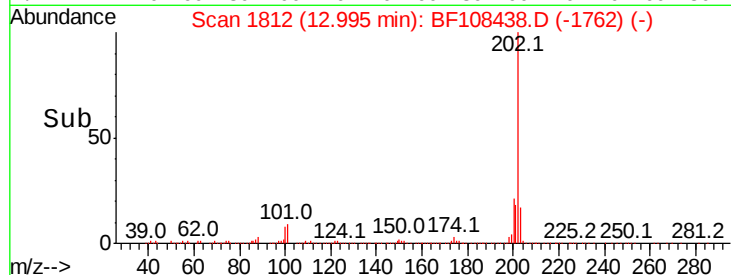
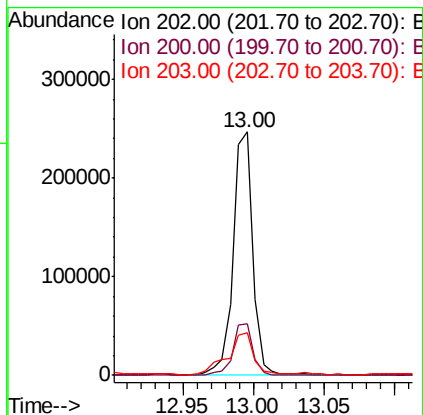
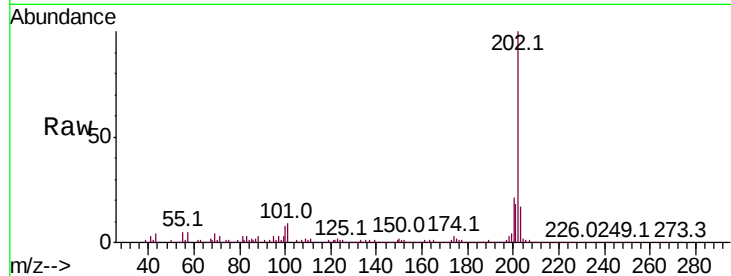
ClientSampleId :

RA-081718-SSW-145-052

Tot Ion:	202	Resp:	237209
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 11.638 ng

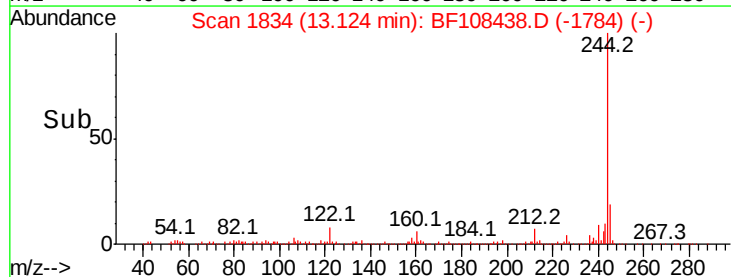
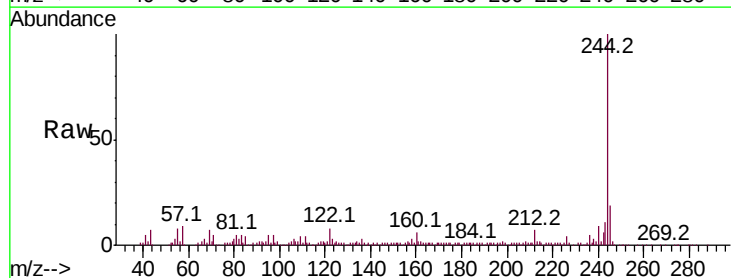
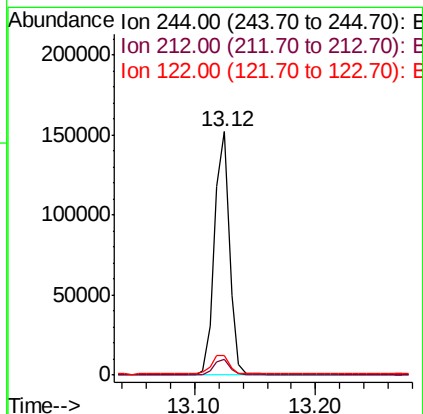
RT: 13.12 min Scan# 1834

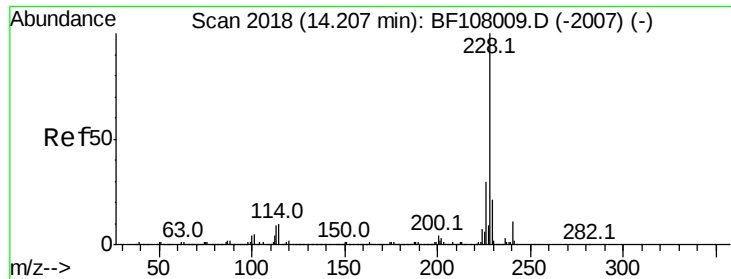
Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Tgt Ion:	244	Resp:	128882
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	8.1	11.0	16.4#





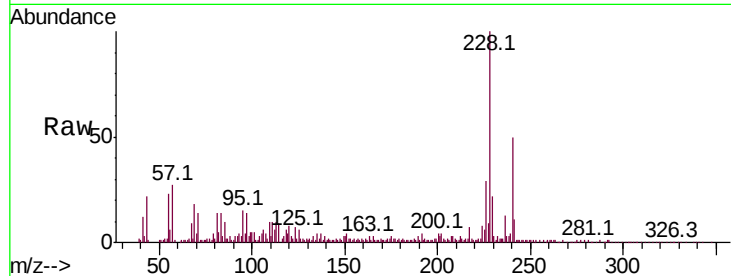
#80
Benzo(a)anthracene
Concen: 6.800 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-145-052

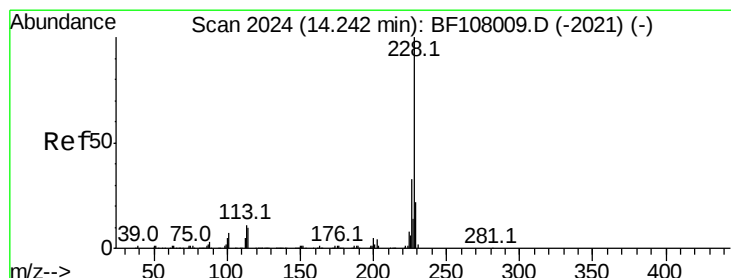
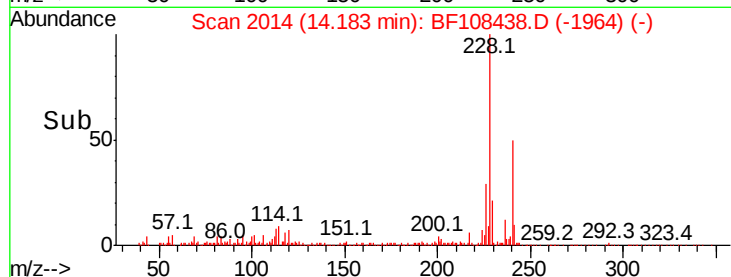
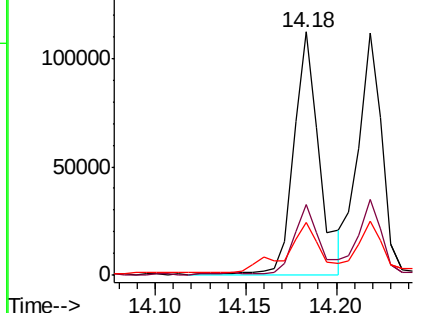
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.8	15.8	23.6

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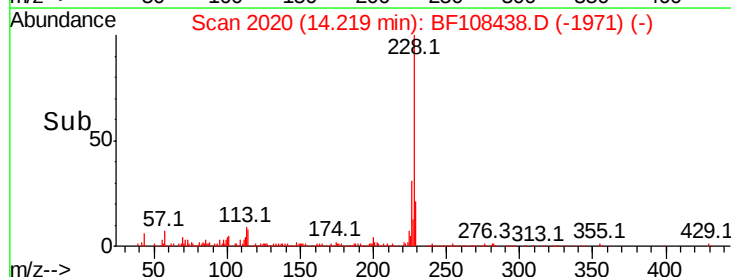
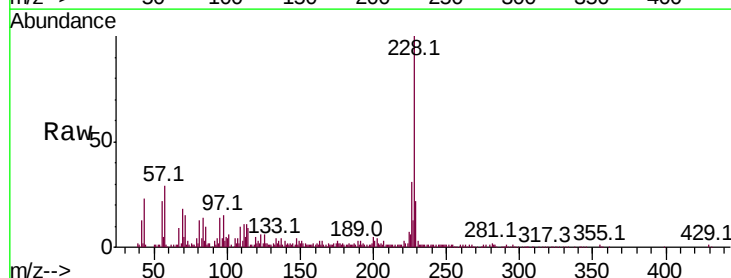
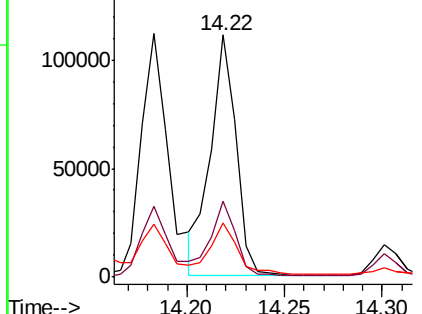
Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

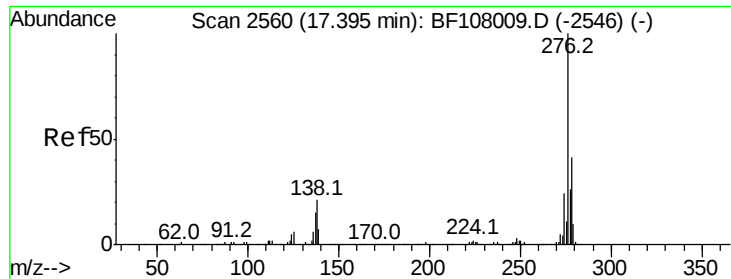


#82
Chrysene
Concen: 6.866 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.2	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





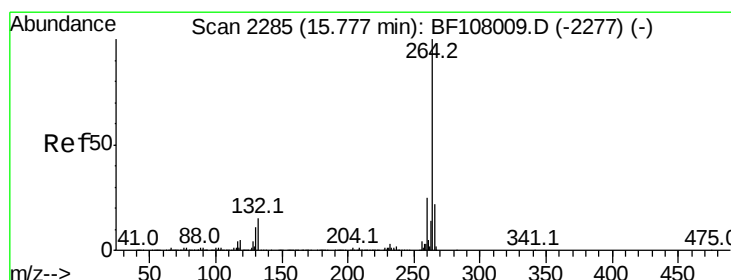
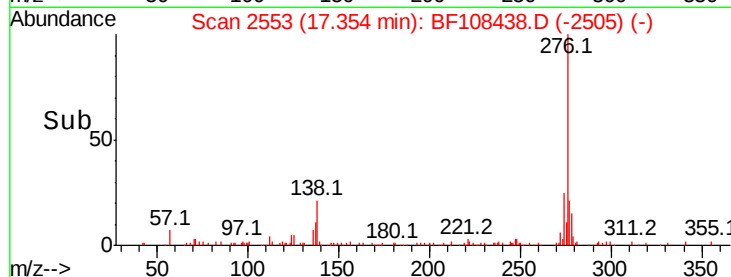
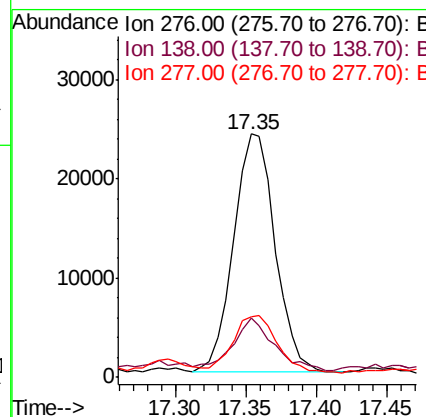
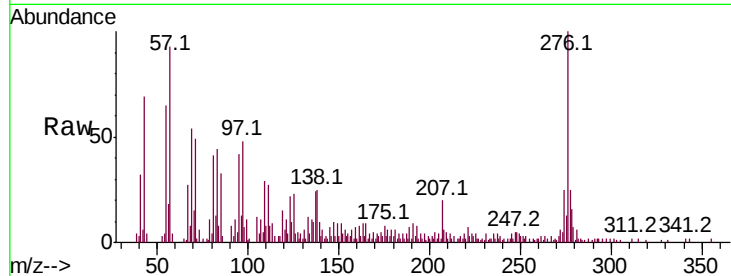
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.852 ng
 RT: 17.35 min Scan# 2553
 Delta R.T. -0.02 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-145-052

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	25.0	20.1	30.1

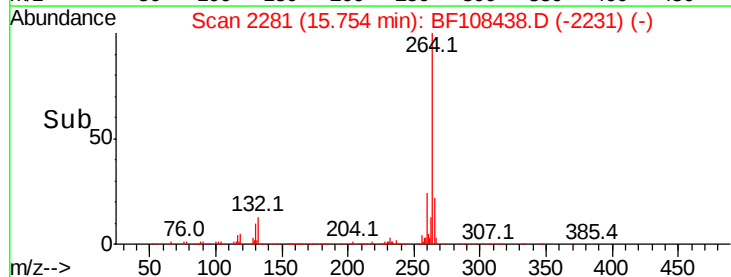
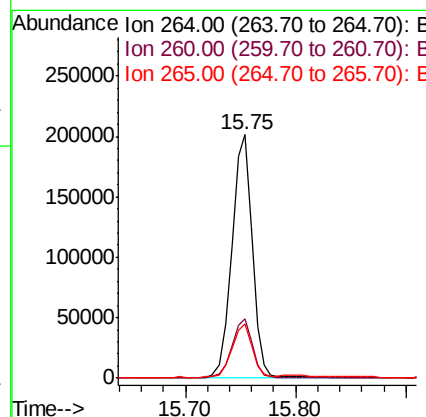
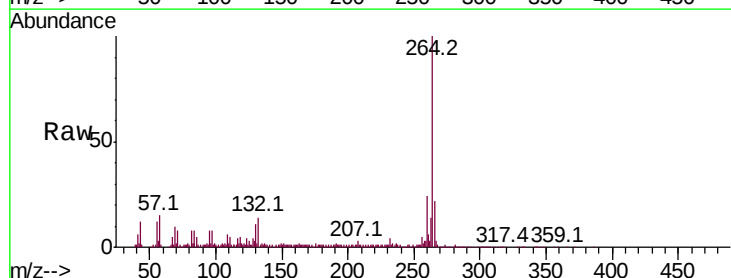
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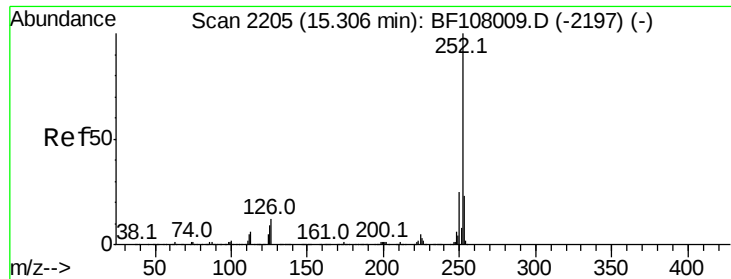
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3





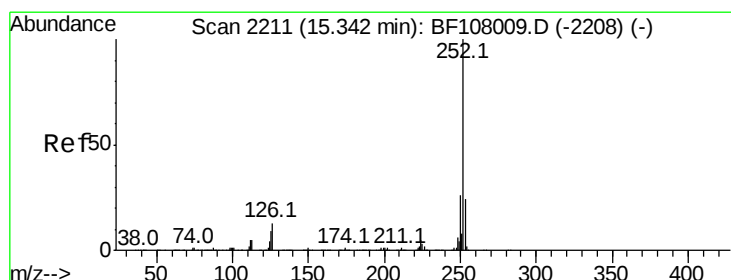
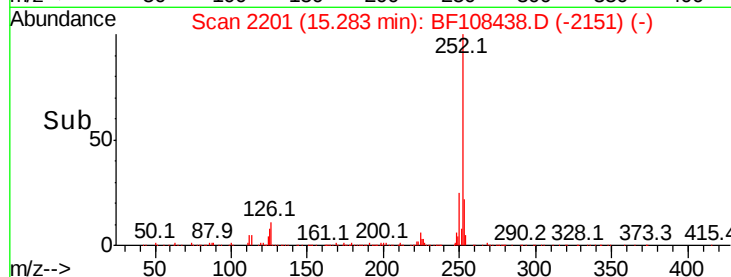
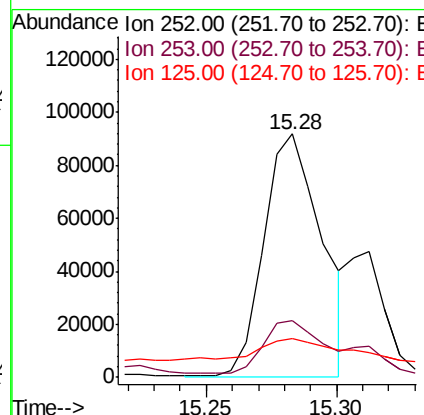
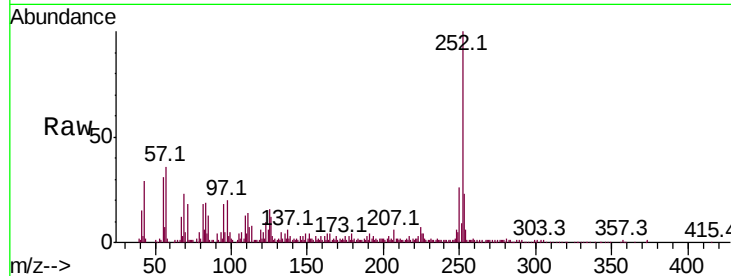
#87
Benzo(b)fluoranthene
Concen: 9.152 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-145-052

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	15.7	9.0	13.6

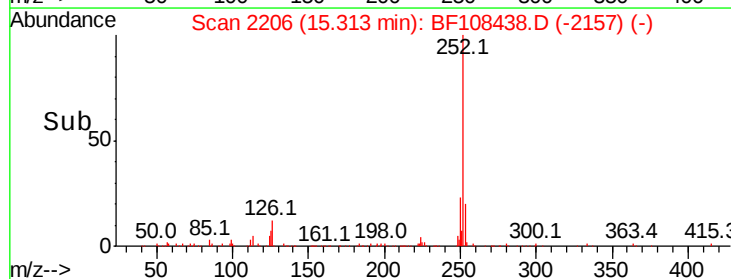
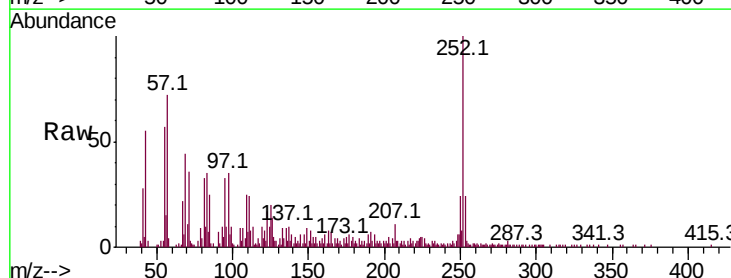
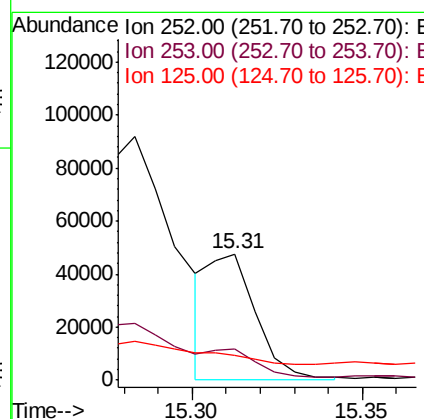
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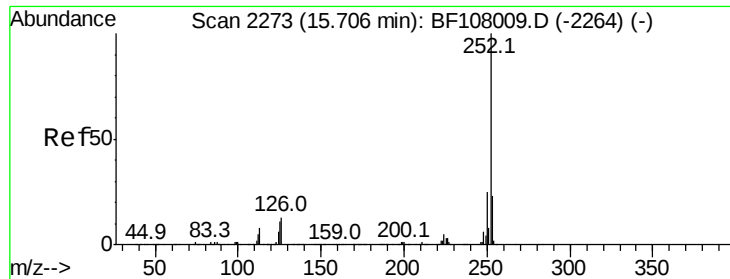
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#88
Benzo(k)fluoranthene
Concen: 3.273 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	19.8	10.2	15.2





#89

Benzo(a)pyrene

Concen: 6.651 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Instrument :

BNA_F

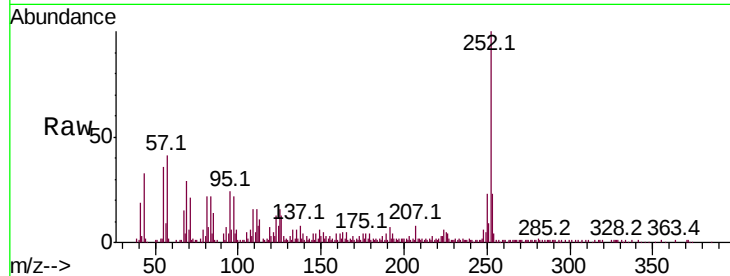
ClientSampleId :

RA-081718-SSW-145-052

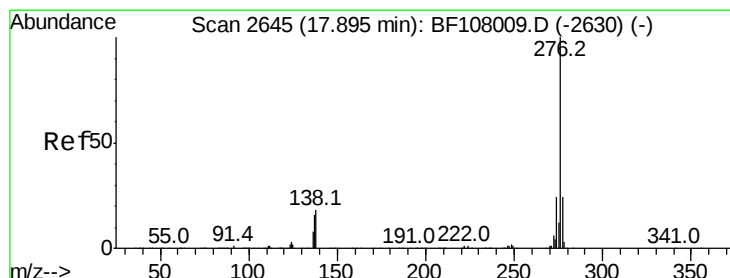
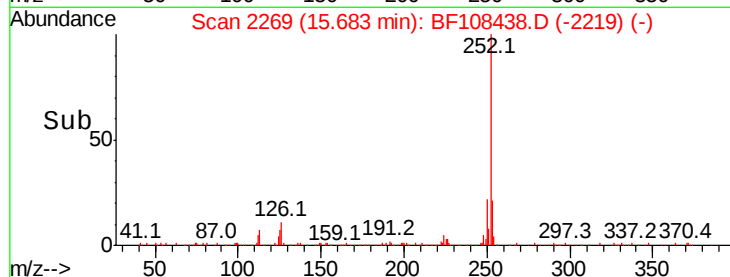
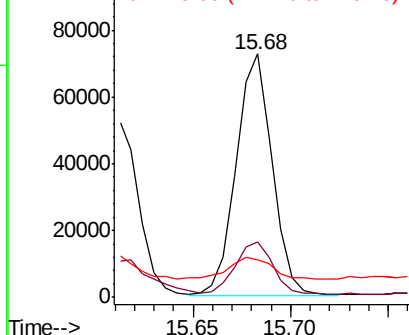
Tot Ion:	252	Resp:	92361
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	15.5	9.8	14.6#

Manual Integrations
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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: 4.104 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Tgt Ion:	276	Resp:	46431
Ion Ratio	Lower	Upper	
276	100		
277	24.5	17.9	26.9
138	17.1	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

