

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108220.D
 Acq On : 17 Aug 2018 2:48
 Operator : JU/SJ
 Sample : J4501-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-SSW-15-021

Manual Integrations
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Quant Time: Aug 17 05:30:51 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 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	152091	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	544969	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	241635	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	434784	20.00	ng	0.00
75) Chrysene-d12	14.21	240	420911	20.00	ng	0.00
86) Perylene-d12	15.77	264	312777	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	727369	86.58	ng	0.01
7) Phenol-d6	6.63	99	947342	84.86	ng	0.00
23) Nitrobenzene-d5	7.58	82	609904	62.45	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	199446	82.75	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	917313	60.95	ng	0.00
78) Terphenyl-d14	13.14	244	830669	50.18	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	82813	4.920	ng	99
70) Phenanthrene	11.58	178	277152	13.515	ng	99
71) Anthracene	11.63	178	66603	3.169	ng	99
73) Di-n-butylphthalate	12.10	149	57236m	2.706	ng	
74) Fluoranthene	12.78	202	389610	17.408	ng	94
77) Pyrene	13.01	202	331453	12.438	ng	99
80) Benzo(a)anthracene	14.20	228	190928	7.904	ng	99
82) Chrysene	14.24	228	176443	7.967	ng	98
85) Indeno(1,2,3-cd)pyrene	17.38	276	46495	2.423	ng	# 90
87) Benzo(b)fluoranthene	15.30	252	166398m	8.903	ng	
88) Benzo(k)fluoranthene	15.33	252	59283m	3.451	ng	
89) Benzo(a)pyrene	15.70	252	101981	6.093	ng	98
91) Benzo(a,h,i)perylene	17.87	276	40729	2.987	ng	# 94

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

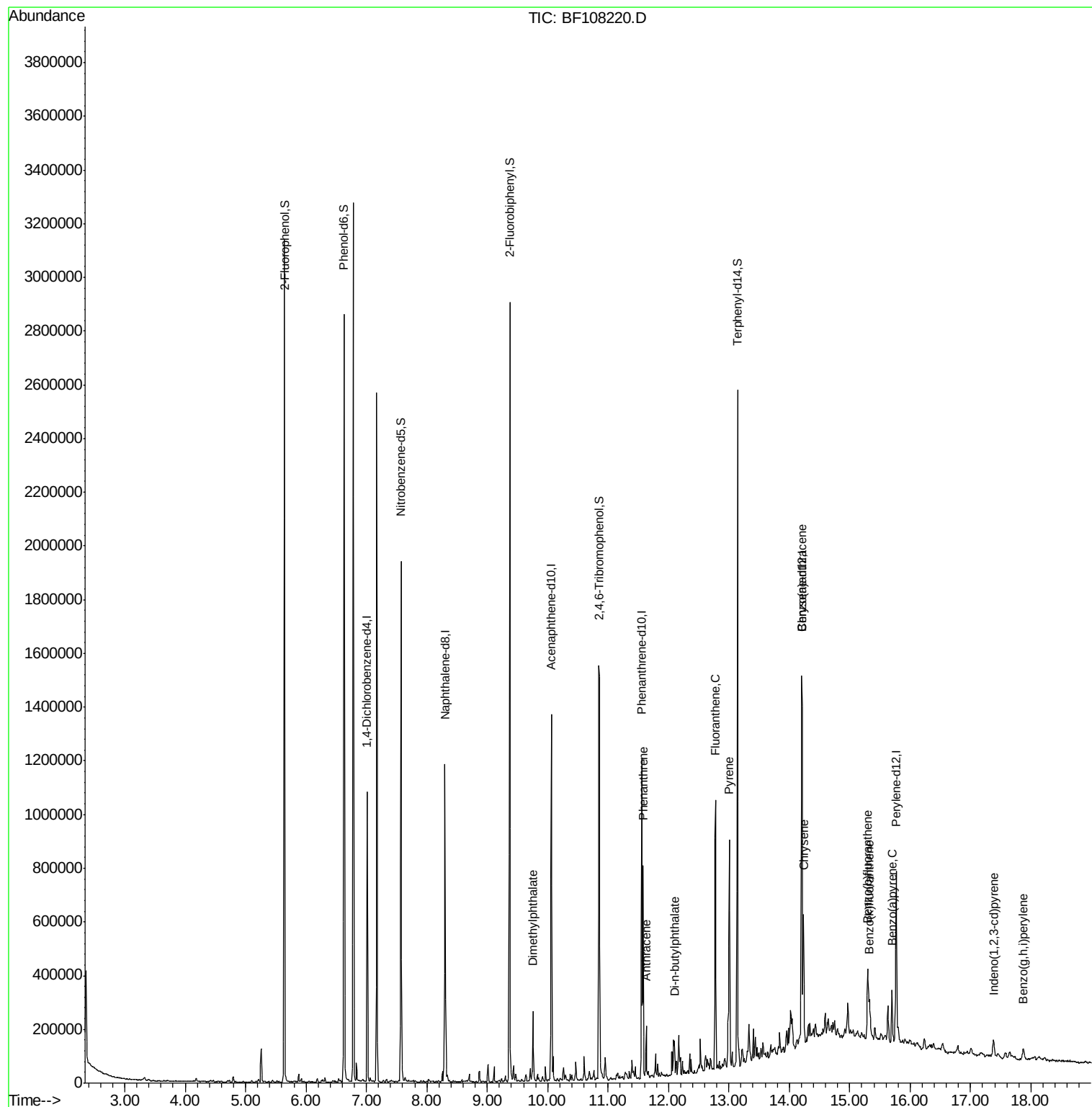
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
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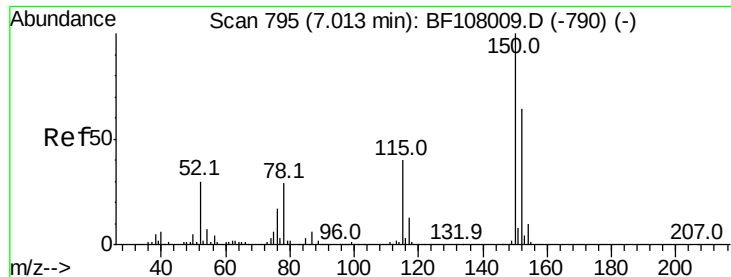
Instrument :
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#1

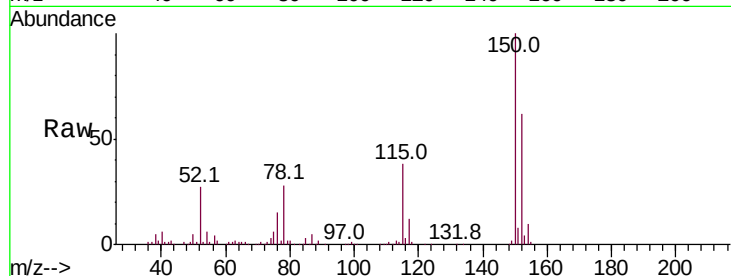
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Instrument :
BNA_F
ClientSampleId :
RA-081318-SSW-15-021

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.6	186.8
115	61.3	50.1	75.1

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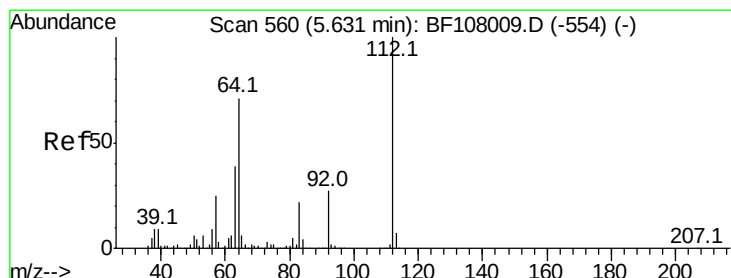
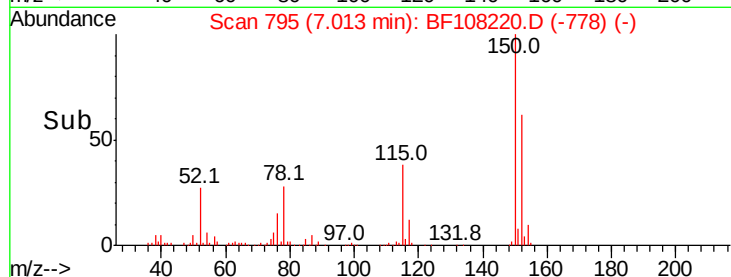
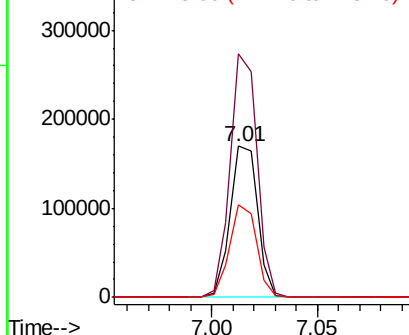


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

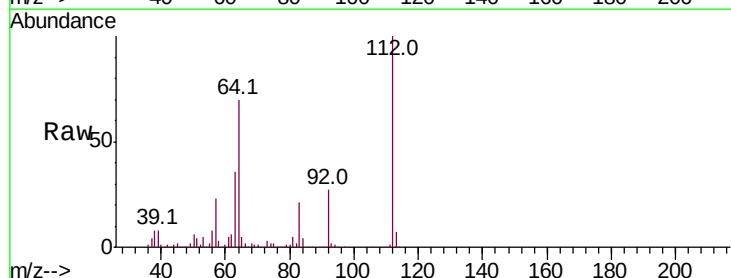
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.584 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	47.9	71.9
63	36.2	23.7	35.5#

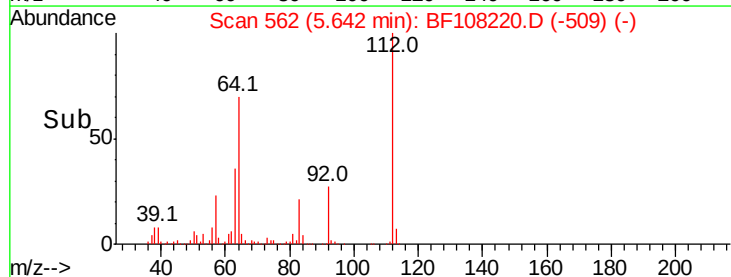
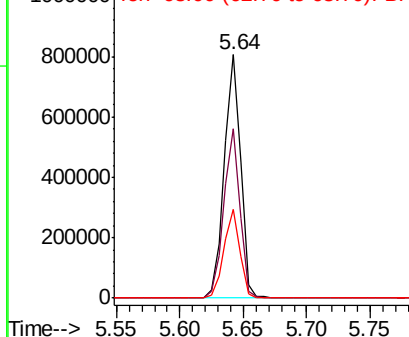


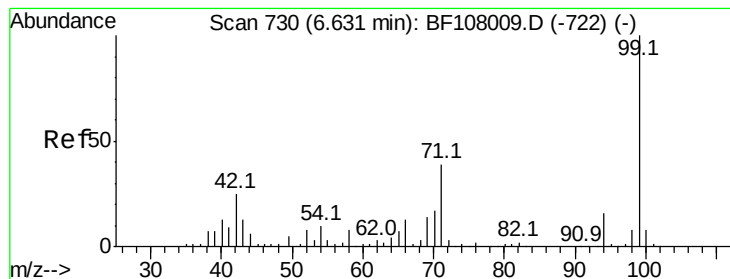
Abundance

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: 84.861 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Instrument :

BNA_F

ClientSampleId :

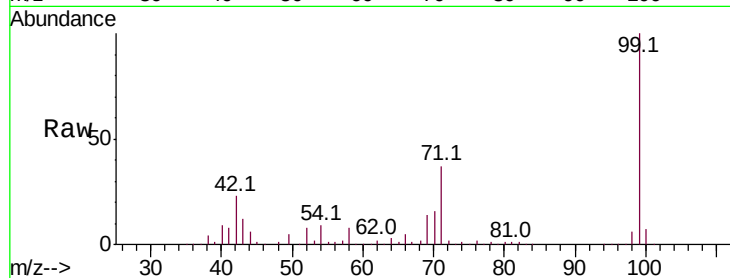
RA-081318-SSW-15-021

Tot Ion: 99 Resp: 947342

Ion	Ratio	Lower	Upper
99	100		
42	23.5	14.5	21.7#
71	36.7	25.4	38.0

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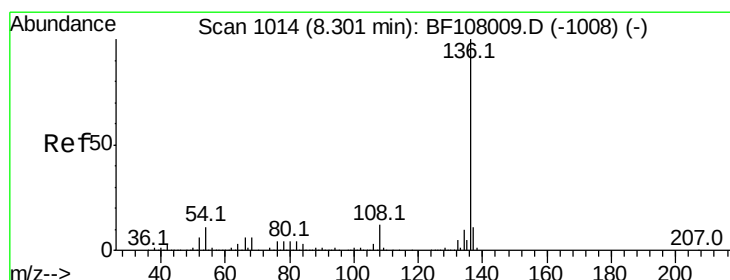
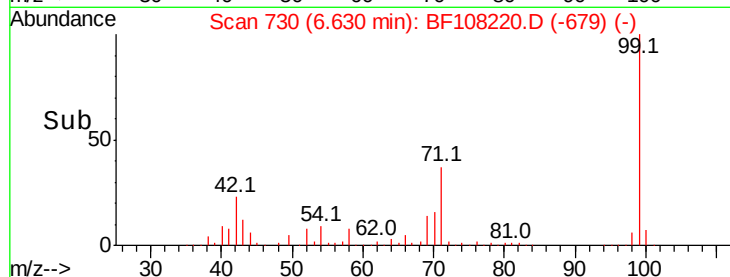
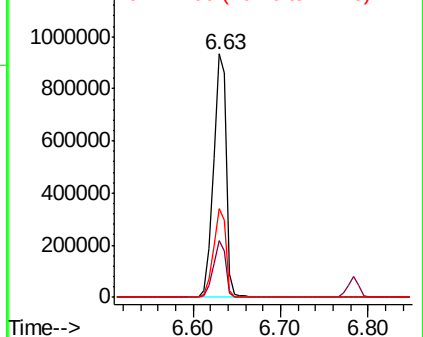


Abundance

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: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Tgt Ion: 136 Resp: 544969

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	5.9	5.0	7.4

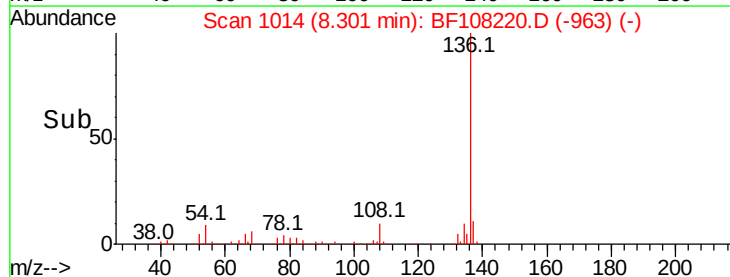
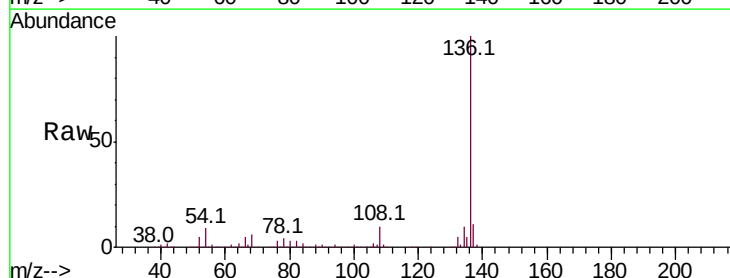
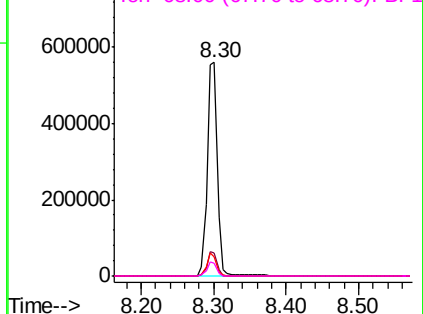
Abundance

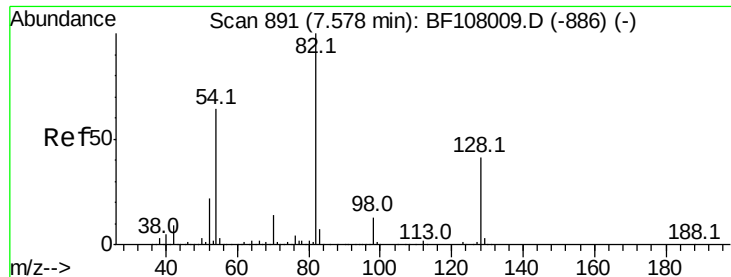
Ion 136.00 (135.70 to 136.70): E

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





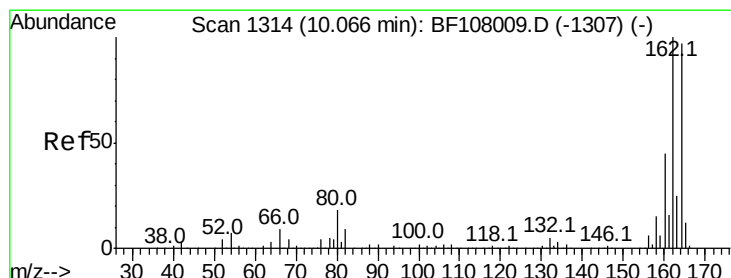
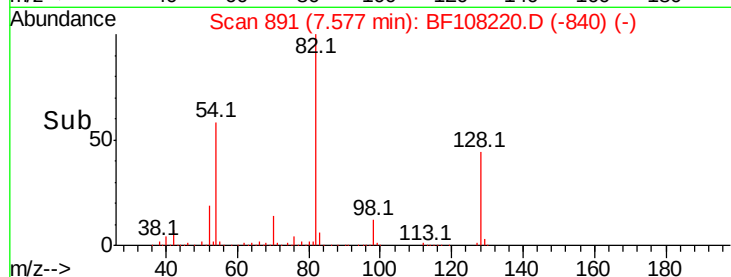
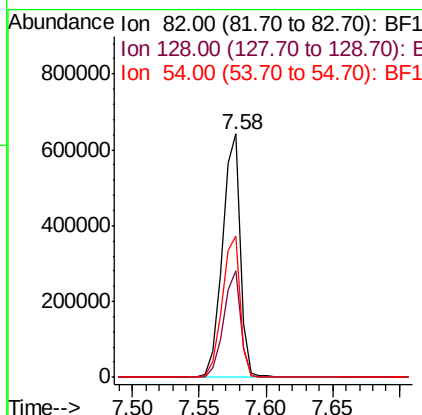
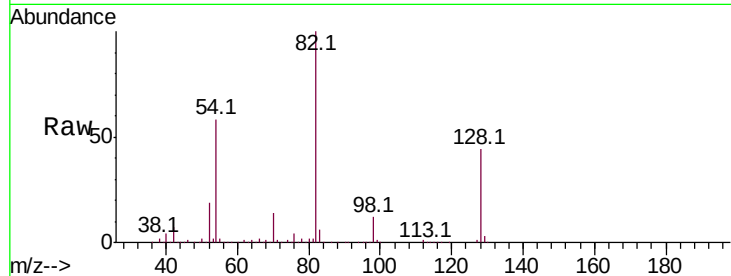
#23
 Nitrobenzene-d5
 Concen: 62.450 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: BF108220.D
 Acq: 17 Aug 2018 2:48

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-SSW-15-021

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	57.9	41.4	62.2

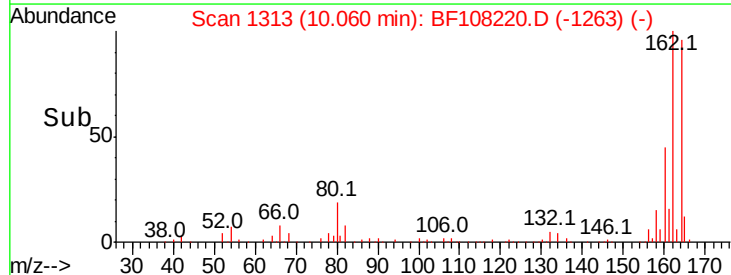
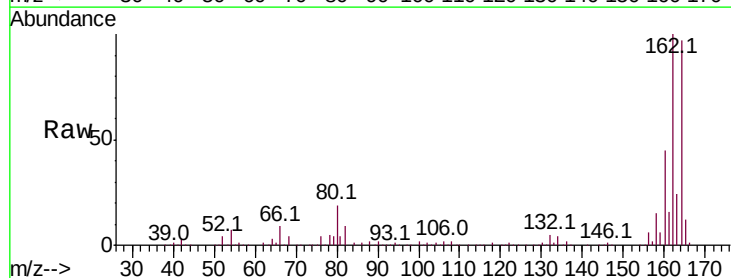
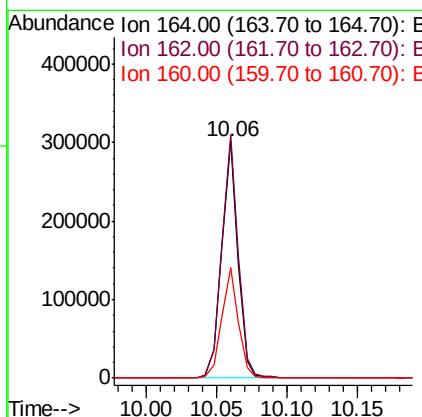
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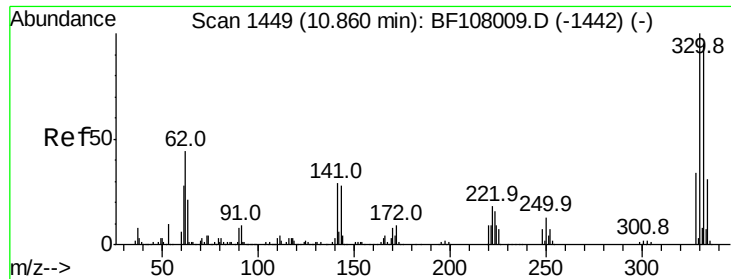
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108220.D
 Acq: 17 Aug 2018 2:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	46.5	38.3	57.5





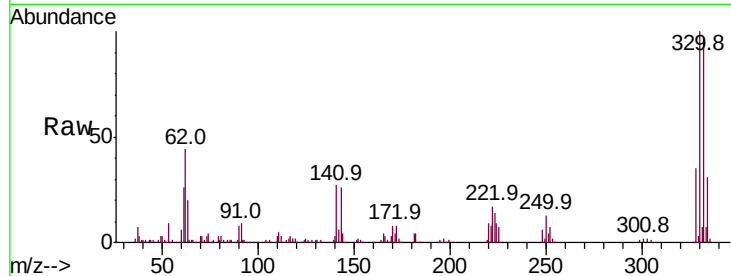
#41
 2,4,6-Tribromophenol
 Concen: 82.749 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108220.D
 Acq: 17 Aug 2018 2:48

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-SSW-15-021

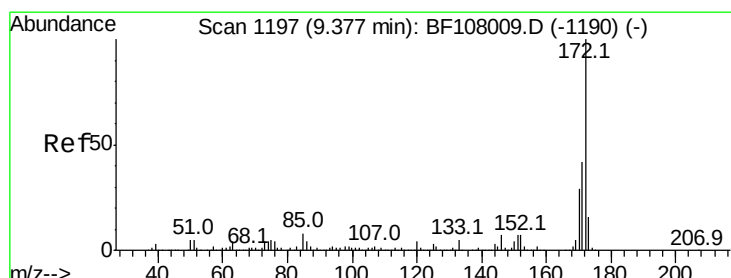
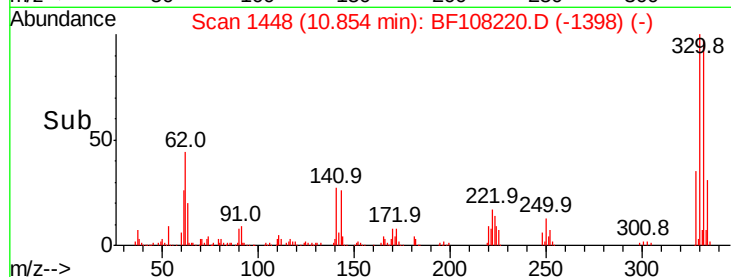
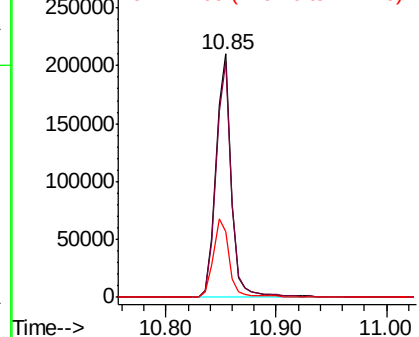
Tot Ion:	330	Resp:	199446
Ion Ratio	Lower	Upper	
330	100		
332	97.4	77.0	115.6
141	33.3	29.9	44.9

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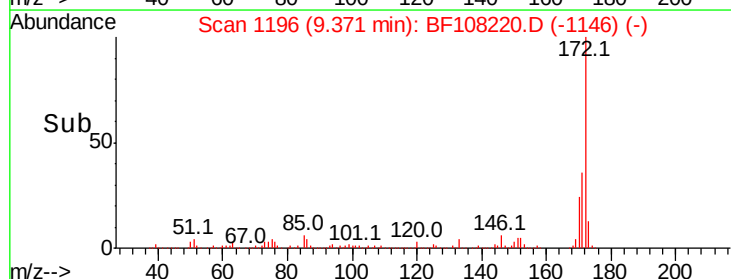
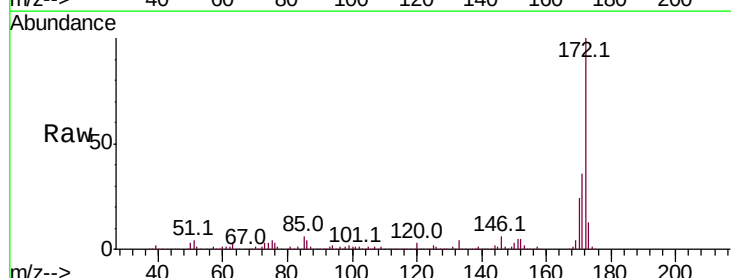
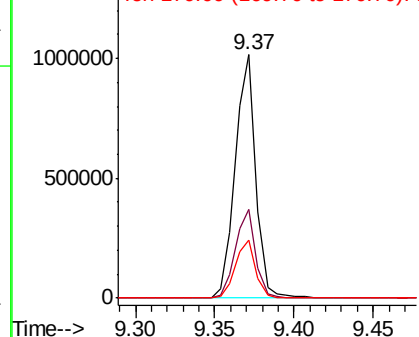
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

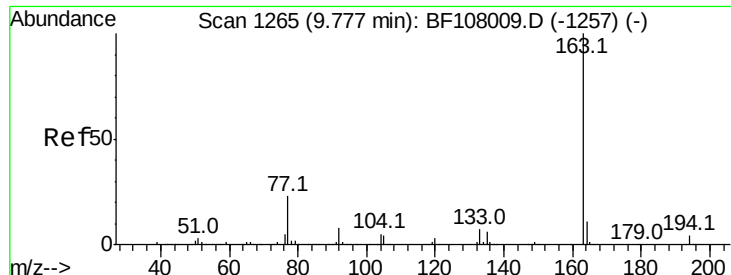


#44
 2-Fluorobiphenyl
 Concen: 60.948 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108220.D
 Acq: 17 Aug 2018 2:48

Tgt Ion:	172	Resp:	917313
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





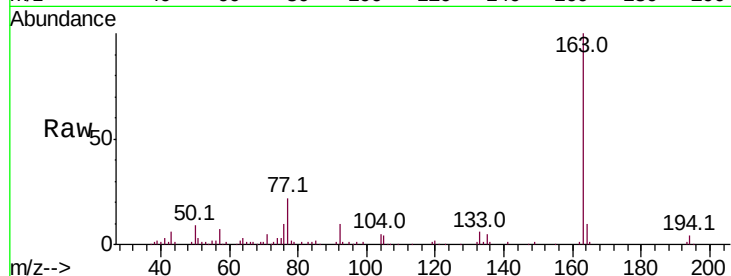
#49
Dimethylphthalate
Concen: 4.920 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Instrument :
BNA_F
ClientSampleId :
RA-081318-SSW-15-021

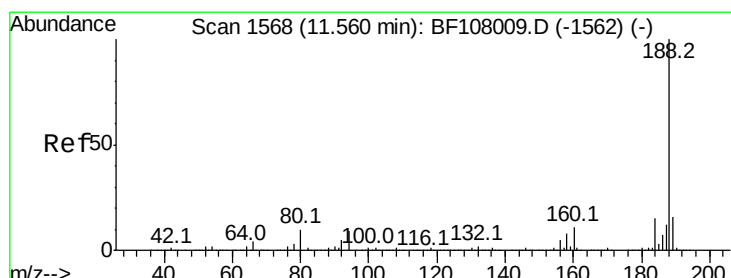
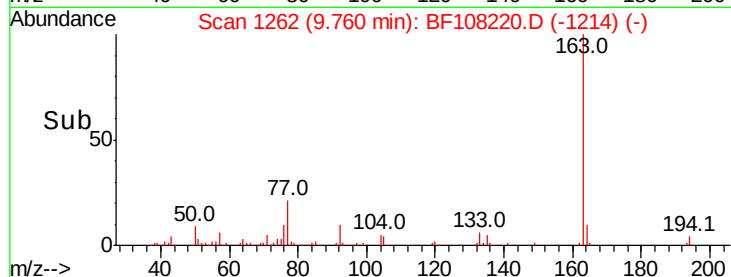
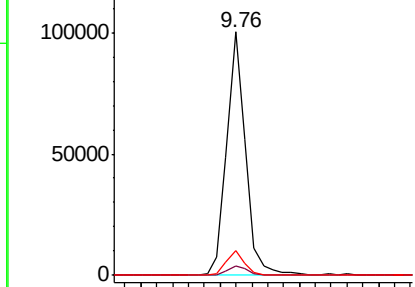
Tot Ion:	163	Resp:	82813
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	10.0	8.2	12.2

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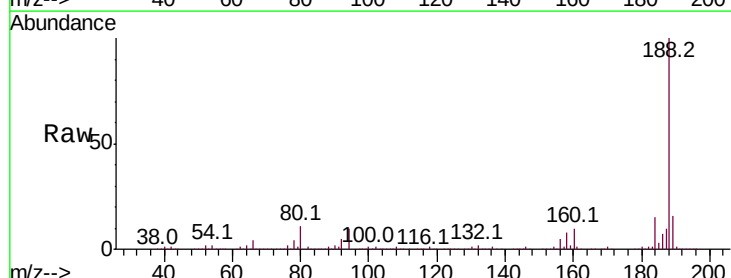


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

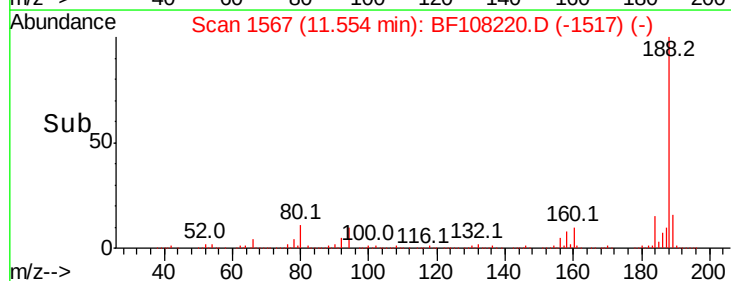
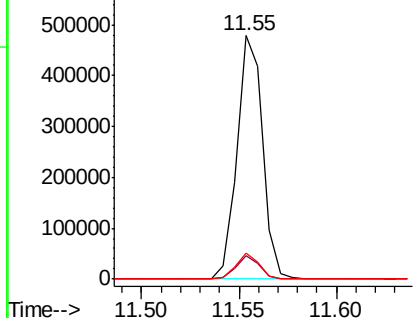


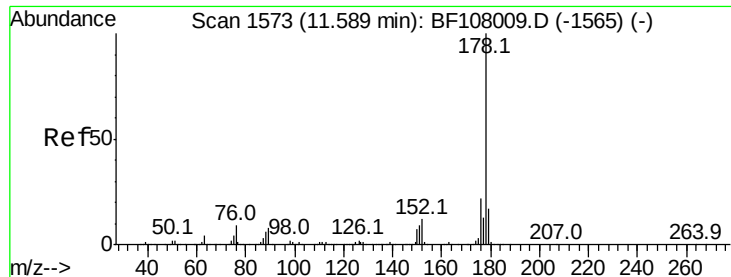
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Tgt Ion:	188	Resp:	434784
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.5	12.7
80	10.9	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





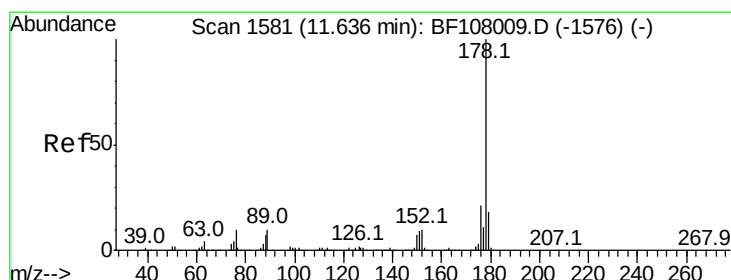
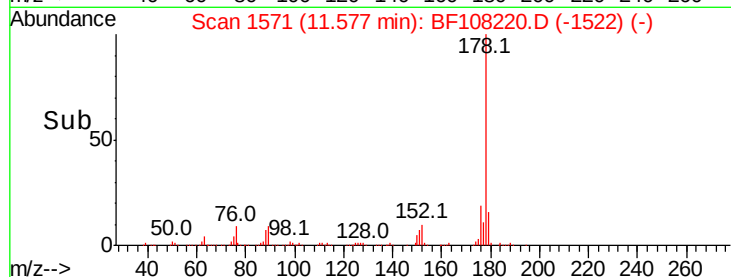
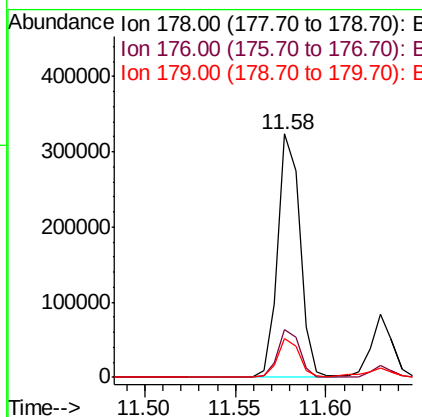
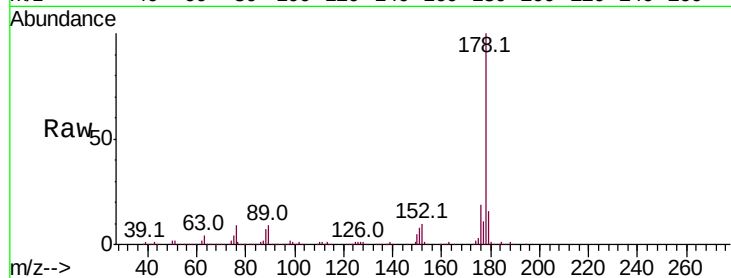
#70
Phenanthrene
Concen: 13.515 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Instrument :
BNA_F
ClientSampleId :
RA-081318-SSW-15-021

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.7	13.0	19.6

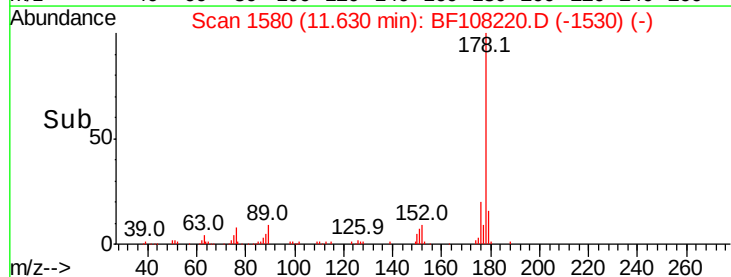
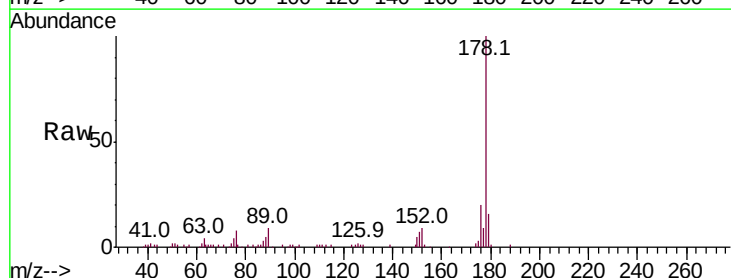
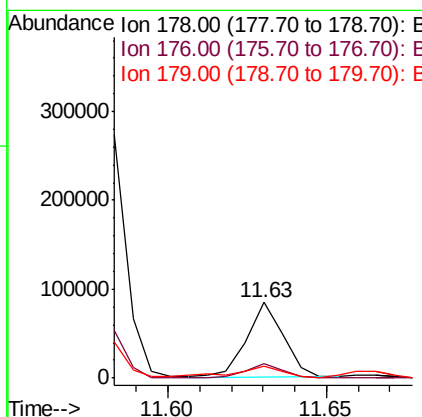
Manual Integrations
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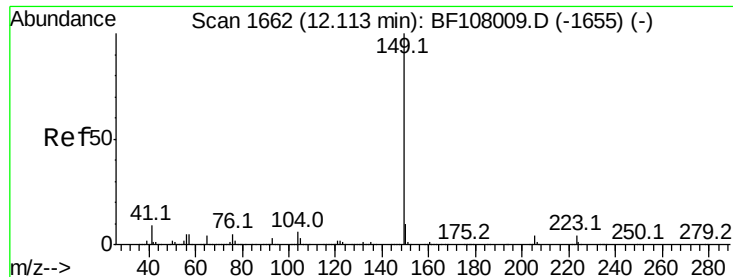
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#71
Anthracene
Concen: 3.169 ng
RT: 11.63 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.6	12.6	19.0





#73

Di-n-butylphthalate

Concen: 2.706 ng/mL

RT: 12.10 min Scan# 1660

Delta R.T. -0.01 min

Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Instrument :

BNA_F

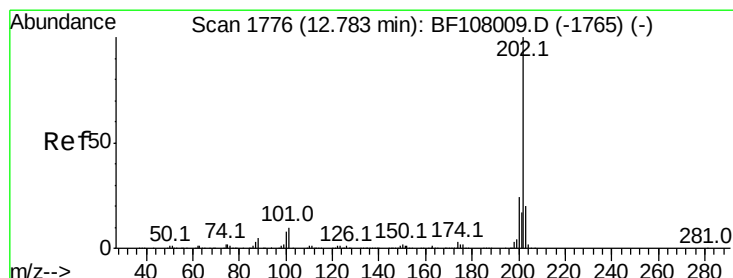
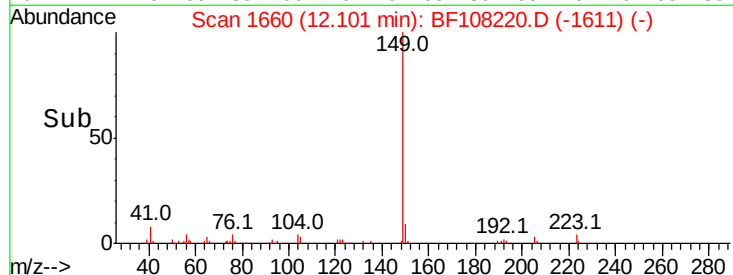
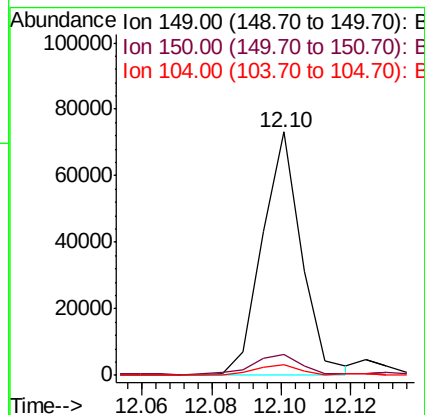
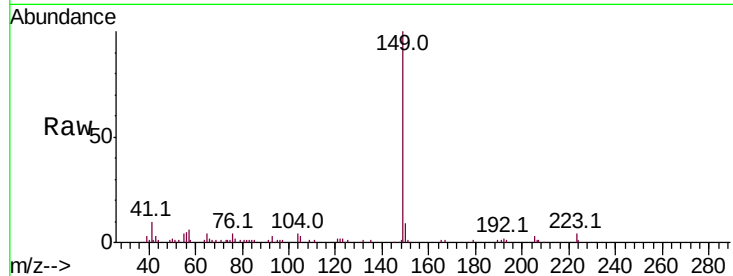
ClientSampleId :

RA-081318-SSW-15-021

Tot Ion:	149	Resp:	57236
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.8	11.6
104	4.2	3.8	5.8

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#74

Fluoranthene

Concen: 17.408 ng/mL

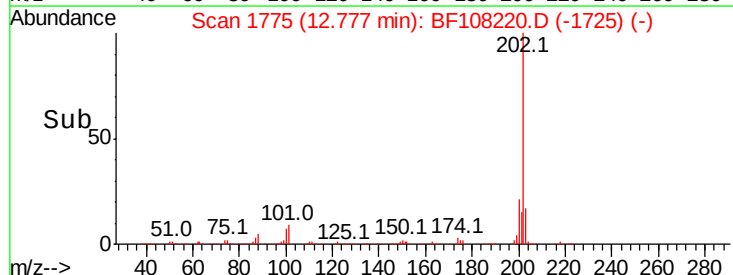
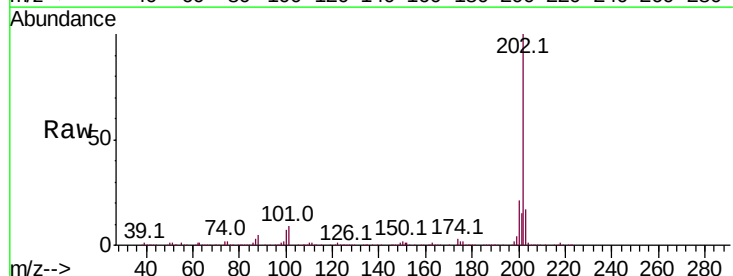
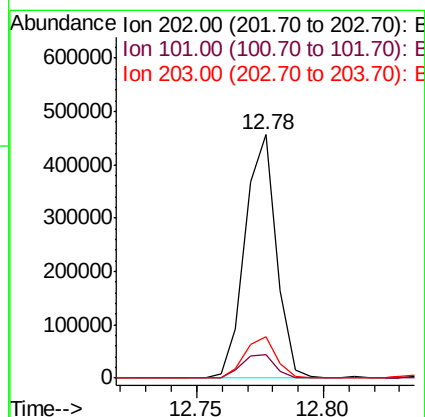
RT: 12.78 min Scan# 1775

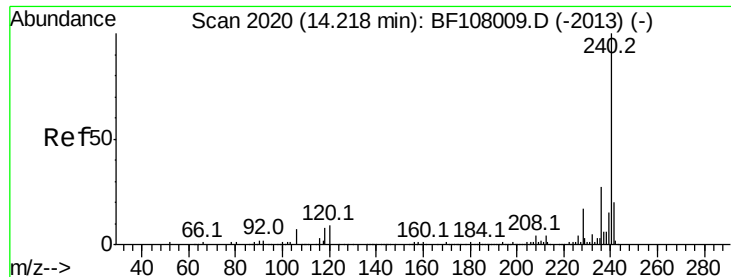
Delta R.T. -0.01 min

Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Tgt Ion:	202	Resp:	389610
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Instrument :

BNA_F

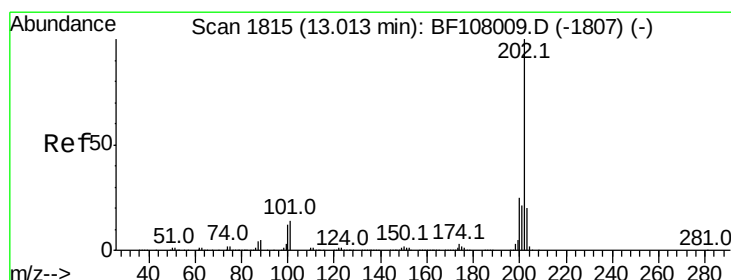
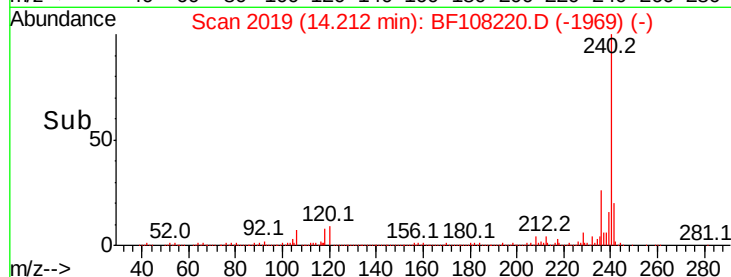
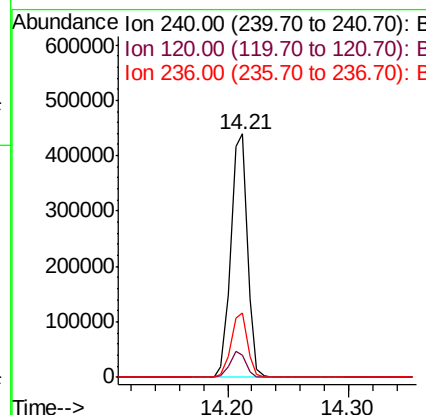
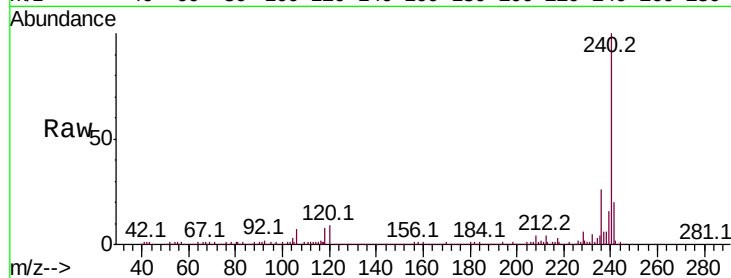
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	26.3	20.7	31.1

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#77

Pyrene

Concen: 12.438 ng

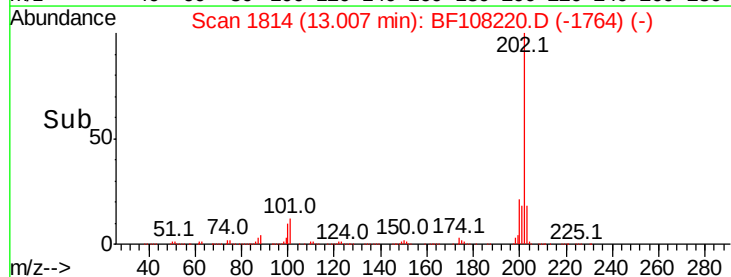
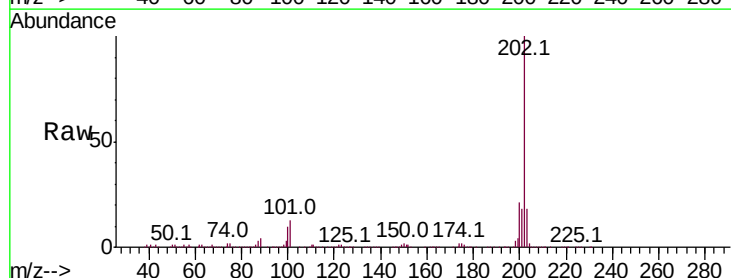
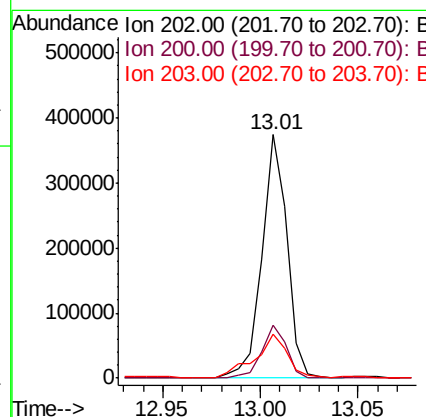
RT: 13.01 min Scan# 1814

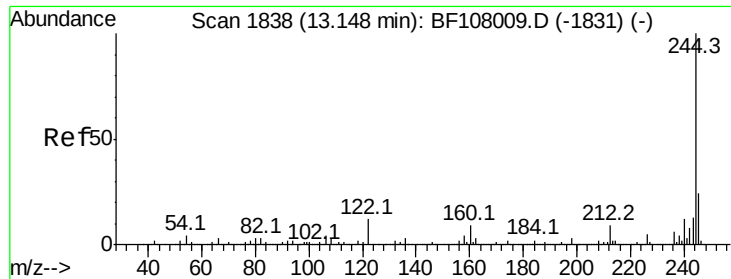
Delta R.T. -0.01 min

Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 50.178 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Instrument :

BNA_F

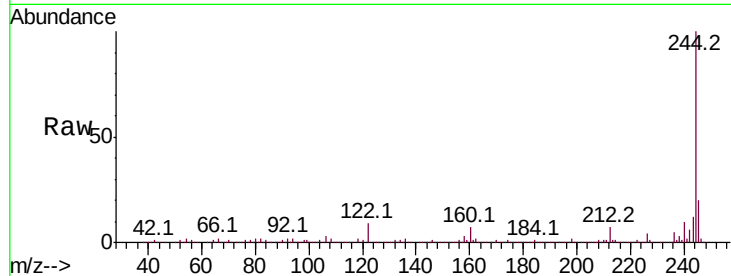
ClientSampleId :

RA-081318-SSW-15-021

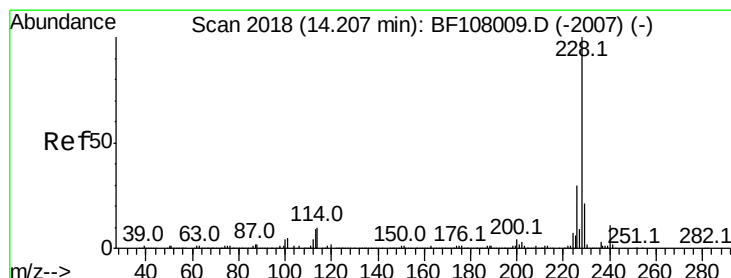
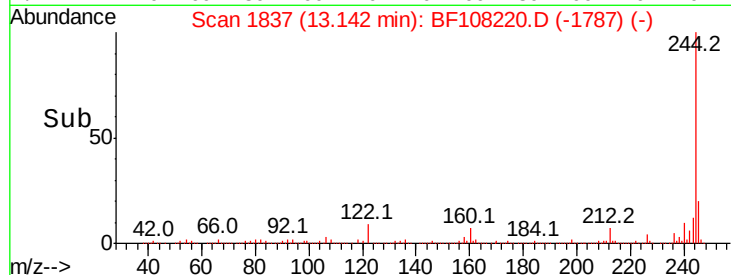
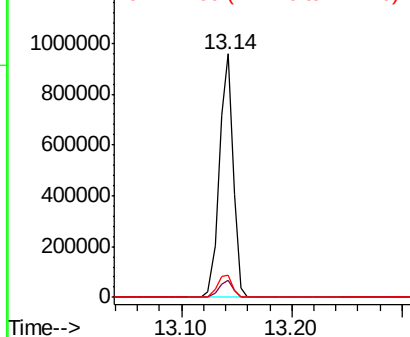
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	8.9	11.0	16.4

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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: 7.904 ng

RT: 14.20 min Scan# 2017

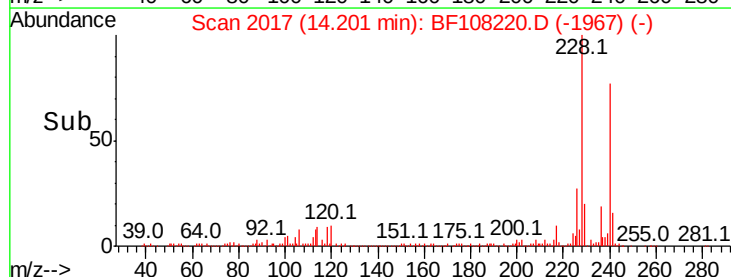
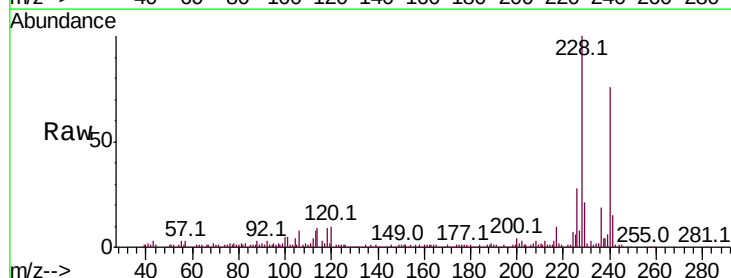
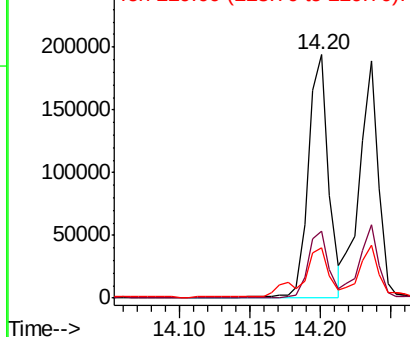
Delta R.T. -0.01 min

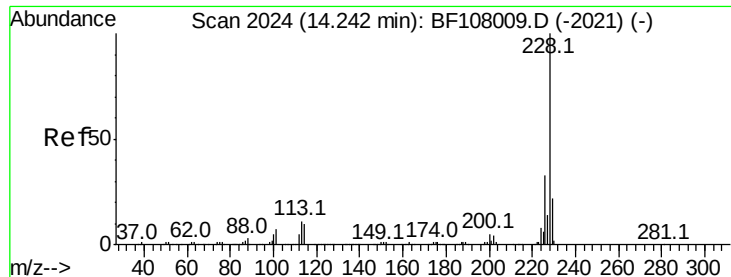
Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.7	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





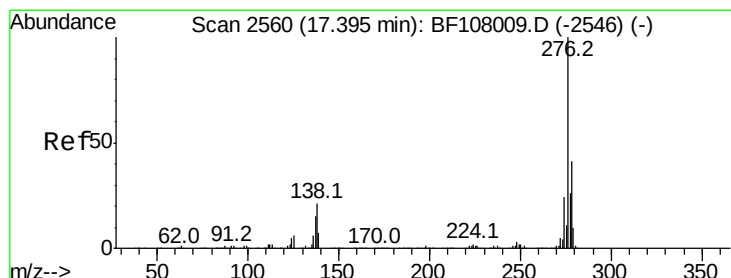
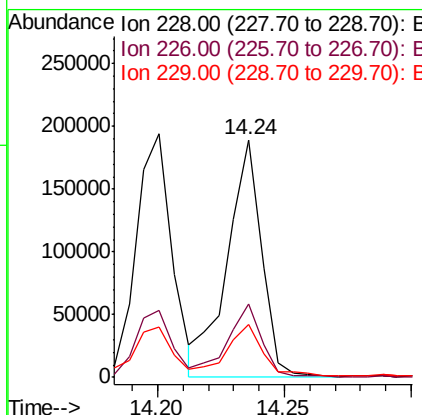
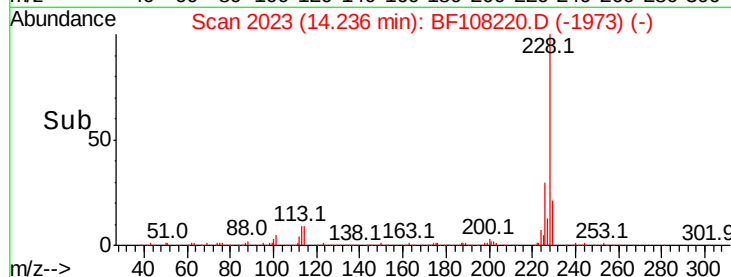
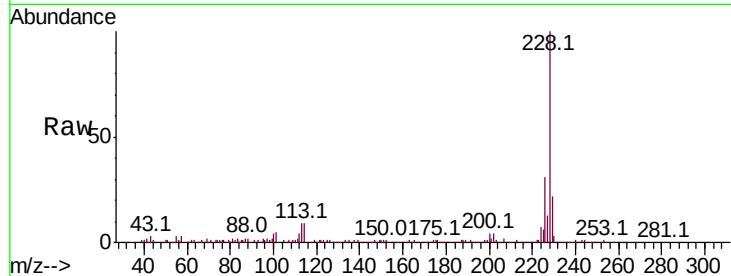
#82
Chrysene
Concen: 7.967 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Instrument :
BNA_F
ClientSampleId :
RA-081318-SSW-15-021

Tot Ion:	228	Resp:	176443
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	22.1	16.2	24.4

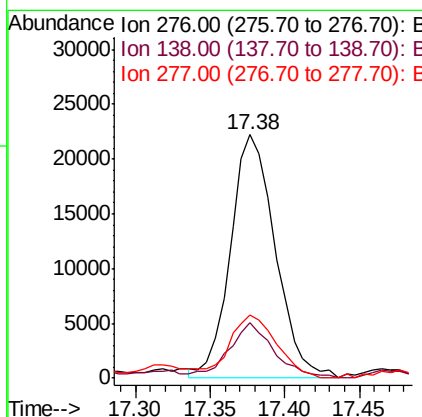
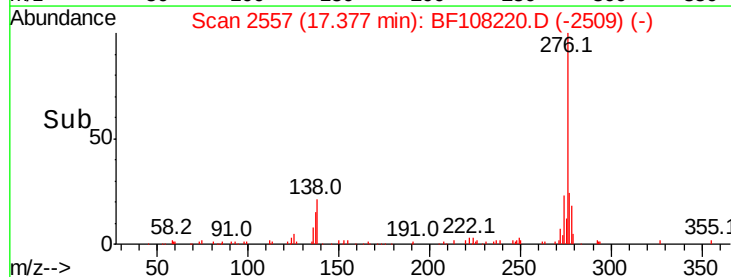
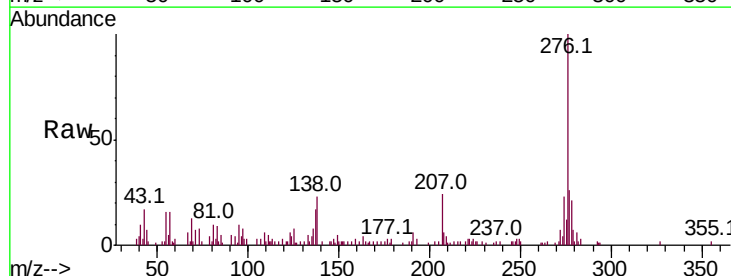
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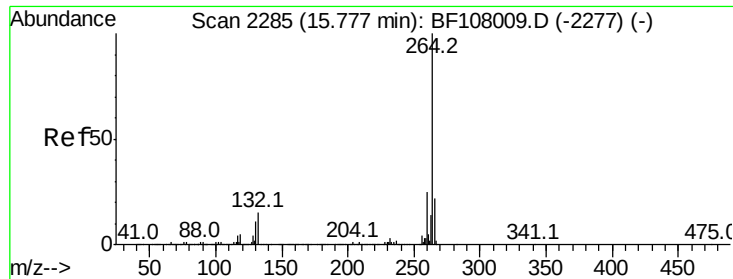
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.423 ng
RT: 17.38 min Scan# 2557
Delta R.T. -0.02 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Tgt Ion:	276	Resp:	46495
Ion Ratio	Lower	Upper	
276	100		
138	23.1	25.0	37.6#
277	27.1	20.1	30.1





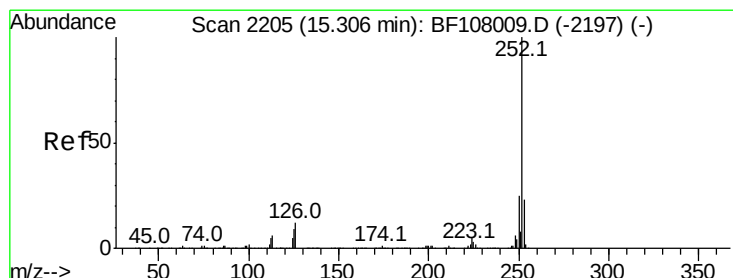
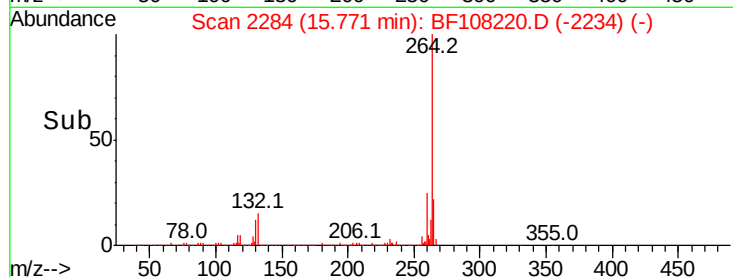
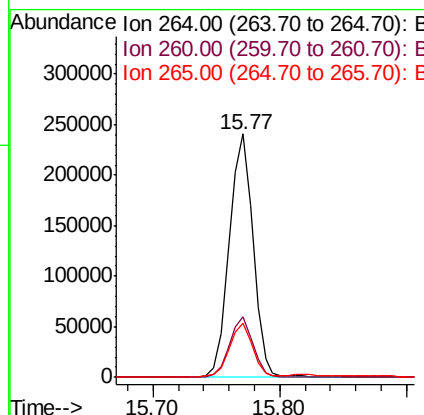
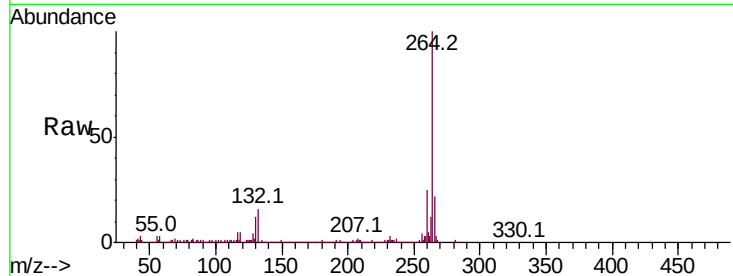
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Instrument :
BNA_F
ClientSampleId :
RA-081318-SSW-15-021

Tot Ion:	264	Resp:	312777
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.2	28.8
265	22.5	17.5	26.3

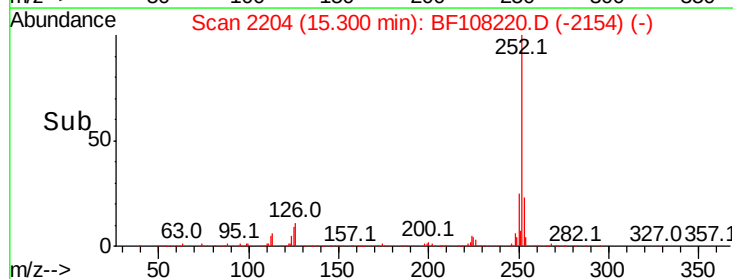
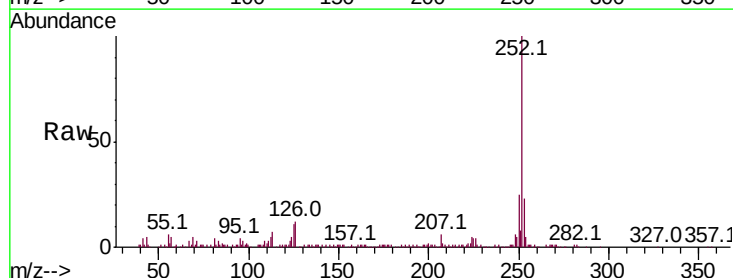
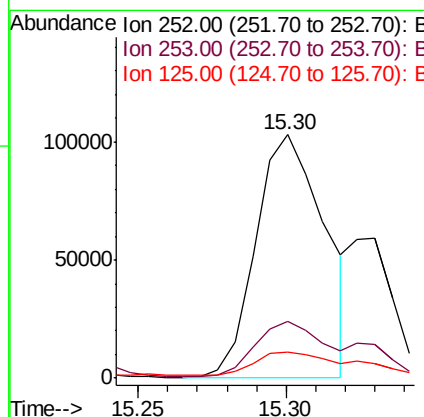
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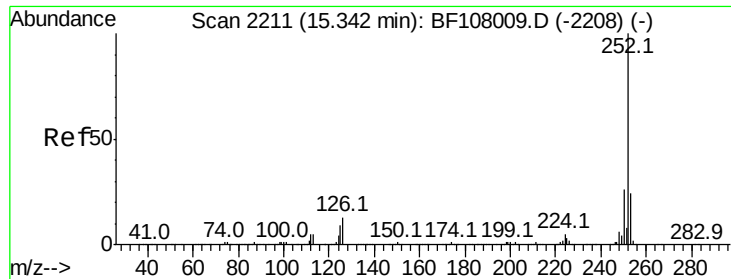
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#87
Benzo(b)fluoranthene
Concen: 8.903 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108220.D
Acq: 17 Aug 2018 2:48

Tgt Ion:	252	Resp:	166398
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	10.5	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.451 ng/mL

RT: 15.33 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Instrument :

BNA_F

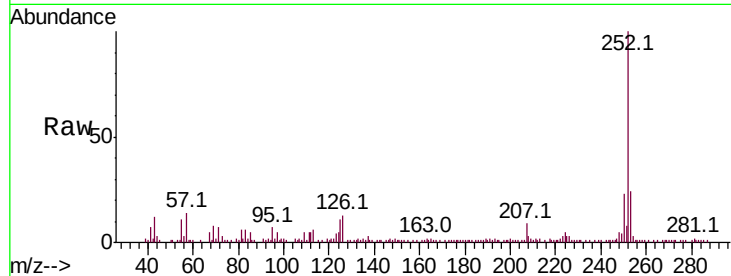
ClientSampleId :

RA-081318-SSW-15-021

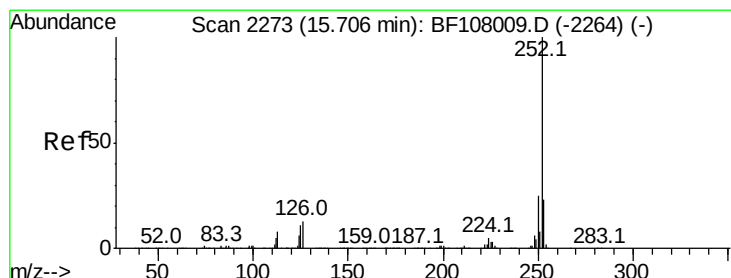
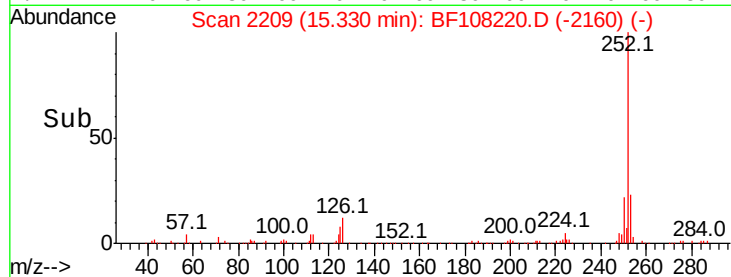
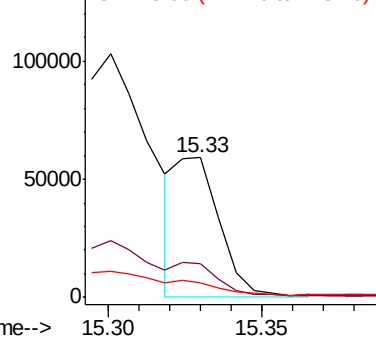
Tot Ion:	252	Resp:	59283
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	10.6	10.2	15.2

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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



#89

Benzo(a)pyrene

Concen: 6.093 ng/mL

RT: 15.70 min Scan# 2272

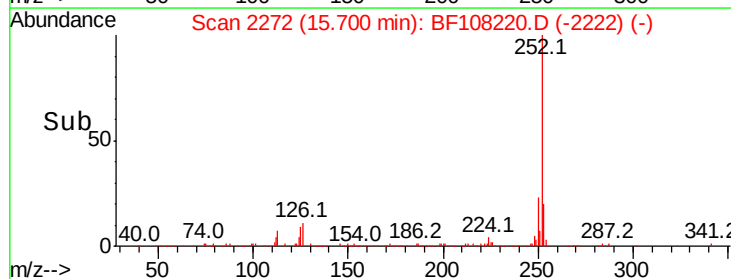
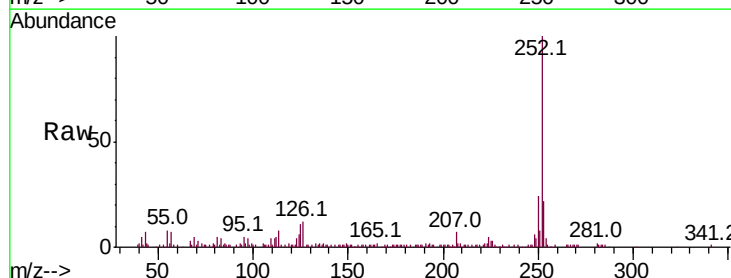
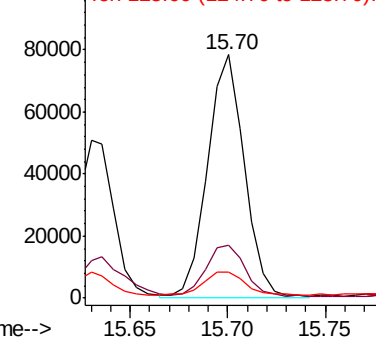
Delta R.T. -0.01 min

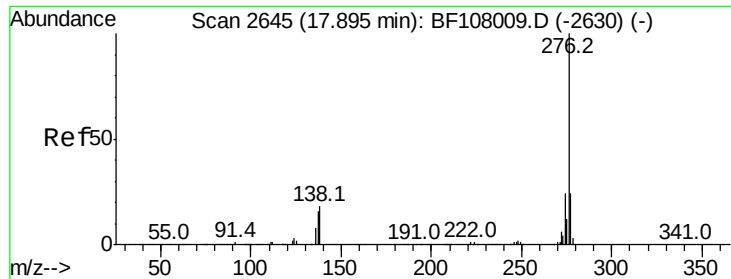
Lab File: BF108220.D

Acq: 17 Aug 2018 2:48

Tgt Ion:	252	Resp:	101981
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.1	25.7
125	10.7	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(a,h,i)perylene
 Concen: 2.987 ng
 RT: 17.87 min Scan# 2641
 Delta R.T. -0.02 min
 Lab File: BF108220.D
 Acq: 17 Aug 2018 2:48

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-SSW-15-021

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	21.2	21.8	32.8#

Manual Integrations
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