

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
 Data File : BF110688.D
 Acq On : 12 Nov 2018 21:32
 Operator : JU/SJ
 Sample : J5907-22
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-D

Manual Integrations
 APPROVED

Sohil
 11/13/2018 2:22:52 PM

Quant Time: Nov 13 06:22:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	88979	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	369740	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	174159	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	307898	20.00	ng	0.00
76) Chrysene-d12	14.13	240	198773	20.00	ng	-0.01
87) Perylene-d12	15.65	264	169191	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	756938	138.18	ng	0.00
7) Phenol-d6	6.57	99	999995	142.76	ng	0.00
23) Nitrobenzene-d5	7.51	82	633529	98.68	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	169881	96.81	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1121677	91.98	ng	0.00
79) Terphenyl-d14	13.07	244	1012366	95.38	ng	0.00
Target Compounds						
10) Phenol	6.59	94	43616	5.370	ng	# 65
38) 1-Methylnaphthalene	9.04	142	73014	6.672	ng	# 99
50) Dimethylphthalate	9.69	163	119836	9.222	ng	# 95
52) Acenaphthene	10.02	154	62742	5.890	ng	89
58) Fluorene	10.54	166	74256	6.203	ng	# 90
71) Phenanthrene	11.51	178	730073	44.259	ng	99
72) Anthracene	11.56	178	136959	8.231	ng	97
73) Carbazole	11.72	167	51512	3.223	ng	# 86
75) Fluoranthene	12.70	202	663679	40.131	ng	99
78) Pyrene	12.93	202	669261	43.728	ng	98
81) Benzo(a)anthracene	14.12	228	224384	18.886	ng	98
83) Chrysene	14.16	228	202416	17.883	ng	98
86) Indeno(1,2,3-cd)pyrene	17.22	276	87021	10.714	ng	97
88) Benzo(b)fluoranthene	15.20	252	180805m	17.863	ng	
89) Benzo(k)fluoranthene	15.23	252	66348m	6.634	ng	
90) Benzo(a)pyrene	15.59	252	148818	16.183	ng	98
91) Dibenzo(a,h)anthracene	17.22	278	22607m	2.905	ng	
92) Benzo(g,h,i)perylene	17.70	276	88009	11.398	ng	99

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

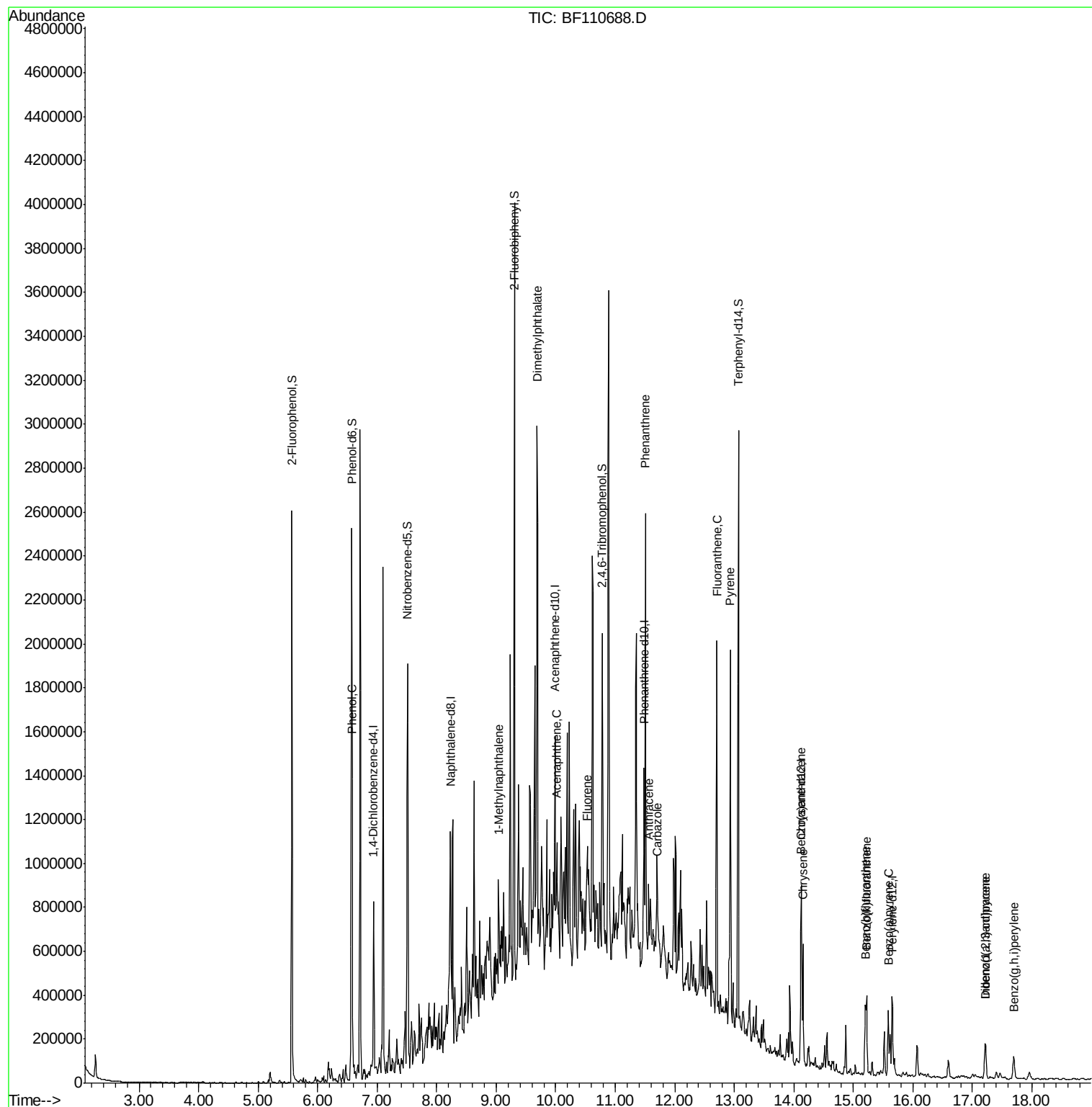
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110688.D
Acq On : 12 Nov 2018 21:32
Operator : JU/SJ
Sample : J5907-22
Misc :
ALS Vial : 19 Sample Multiplier: 1

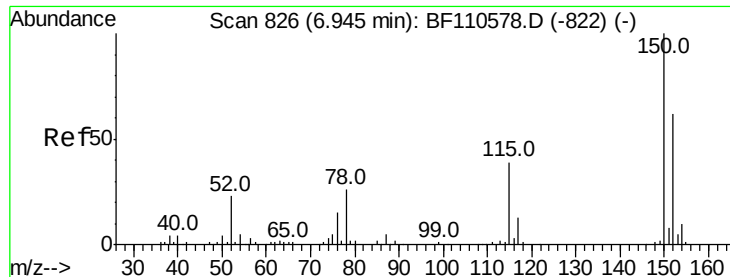
Instrument :
BNA_F
ClientSampled :
TP-3-D

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#1

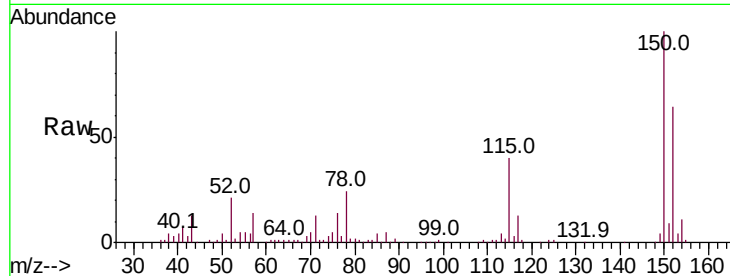
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.7	184.1
115	62.1	49.1	73.7

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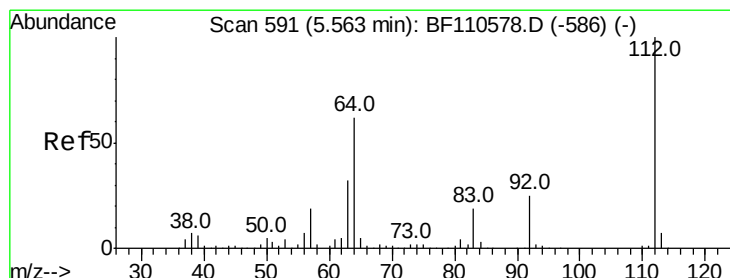
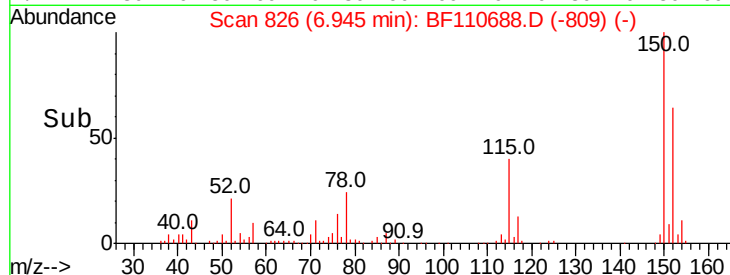
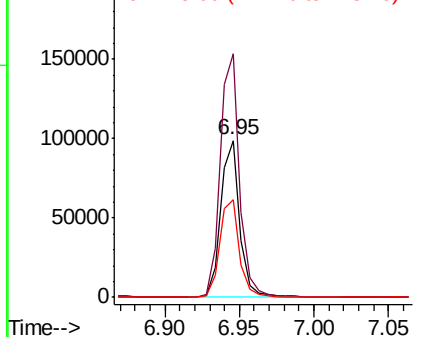


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

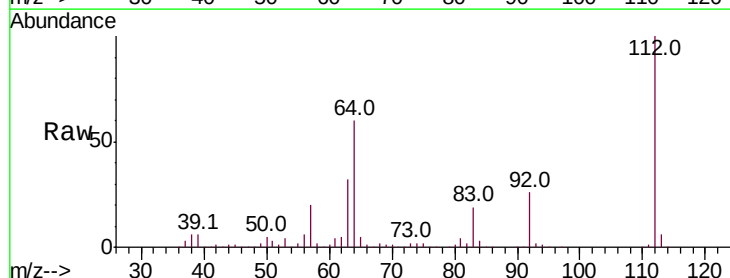
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 138.179 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	44.1	66.1
63	31.9	23.7	35.5

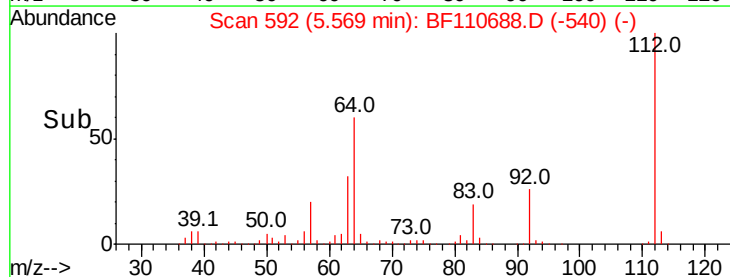
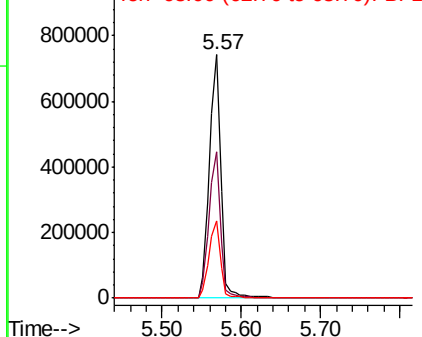


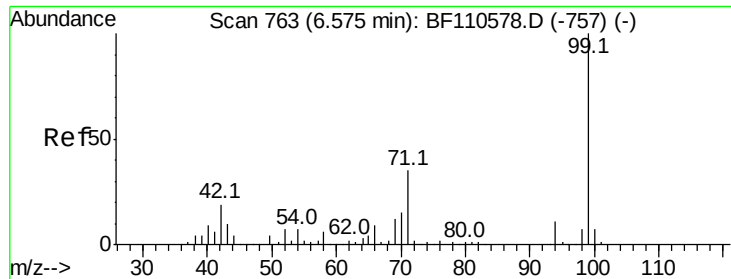
Abundance

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: 142.755 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110688.D

Acq: 12 Nov 2018 21:32

Instrument :

BNA_F

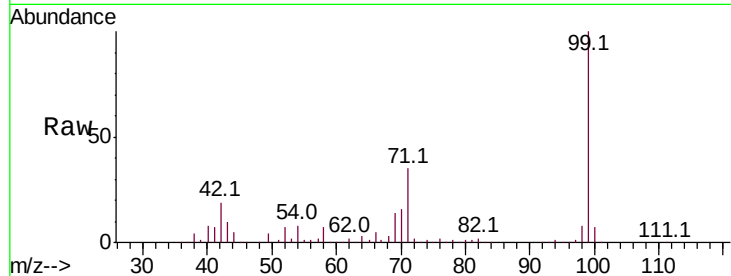
ClientSampled :

TP-3-D

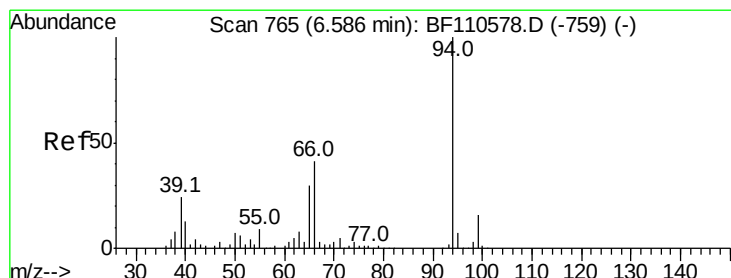
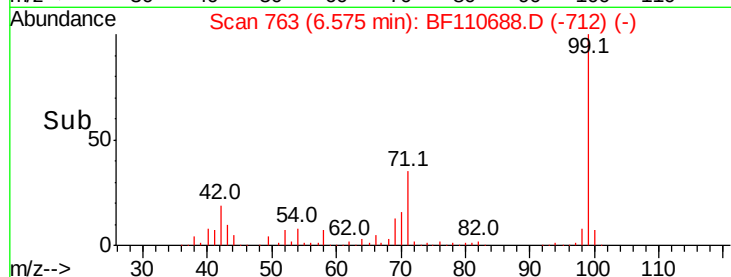
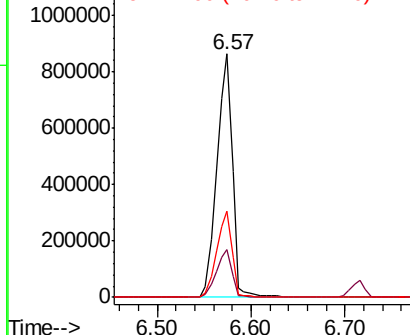
Tot Ion:	99	Resp:	999995
Ion Ratio	Lower	Upper	
99	100		
42	19.5	15.8	23.6
71	35.4	28.0	42.0

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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



#10

Phenol

Concen: 5.370 ng

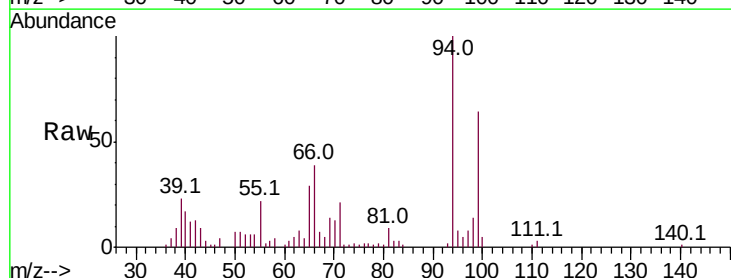
RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

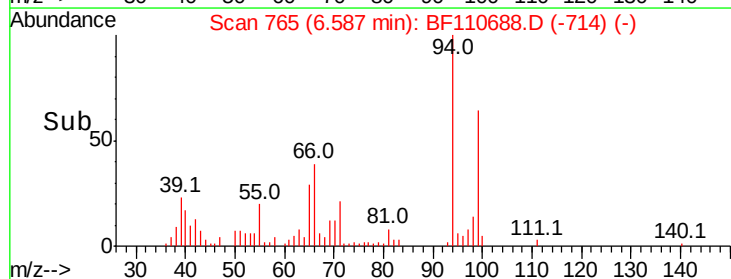
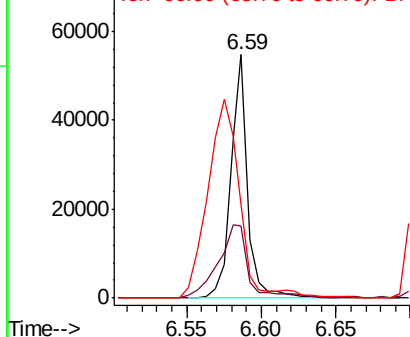
Lab File: BF110688.D

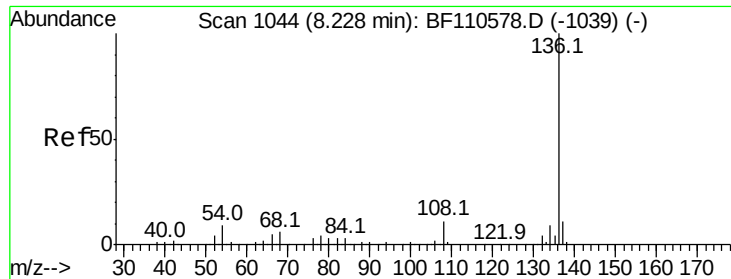
Acq: 12 Nov 2018 21:32

Tgt Ion:	94	Resp:	43616
Ion Ratio	Lower	Upper	
94	100		
65	29.5	25.3	65.3
66	38.7	54.5	94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





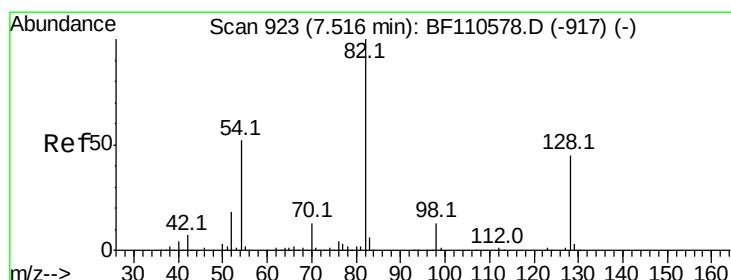
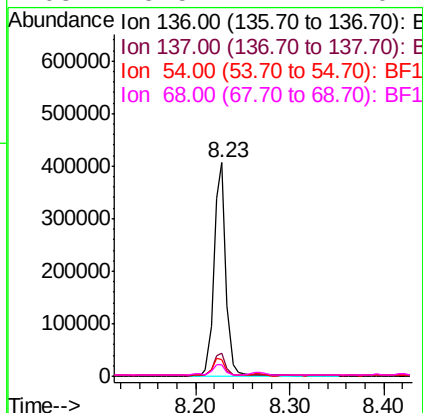
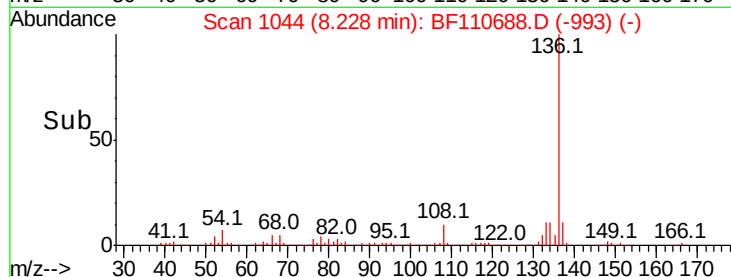
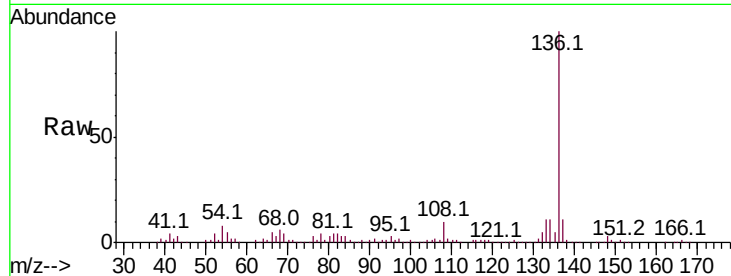
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.8	13.2	
54	7.8	5.4	8.2	
68	5.5	4.2	6.2	

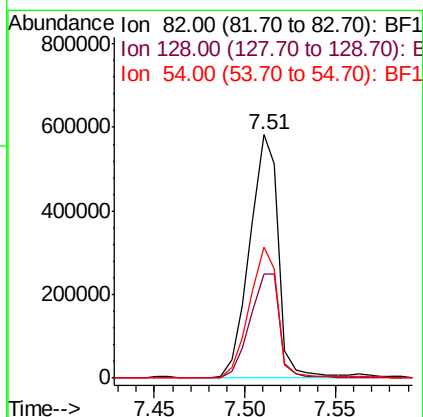
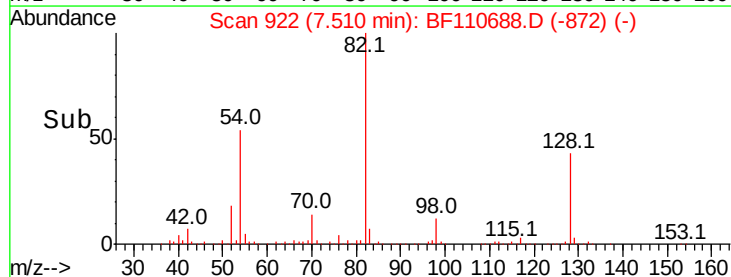
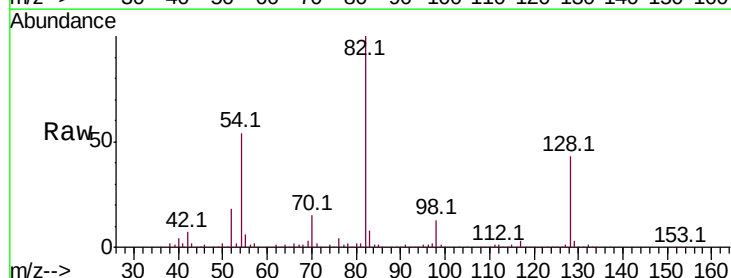
Manual Integrations
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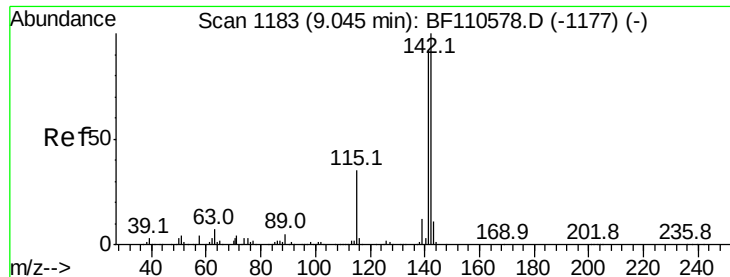
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#23
Nitrobenzene-d5
Concen: 98.677 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.9	34.2	51.2	
54	53.9	38.6	58.0	





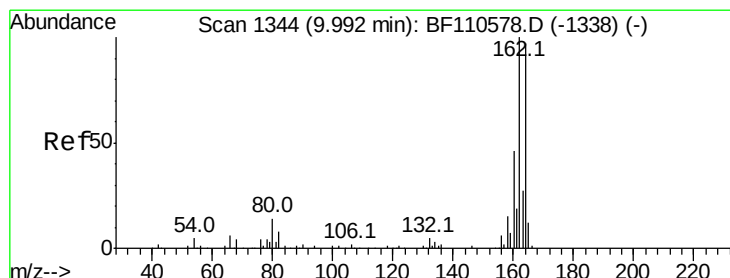
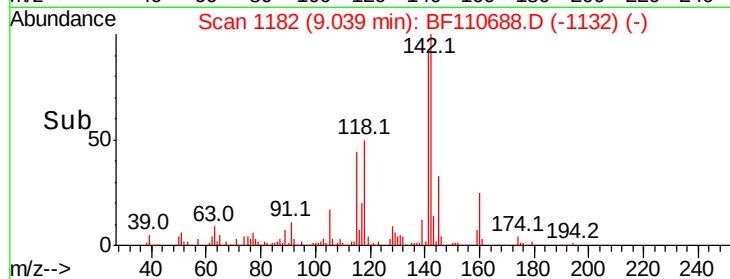
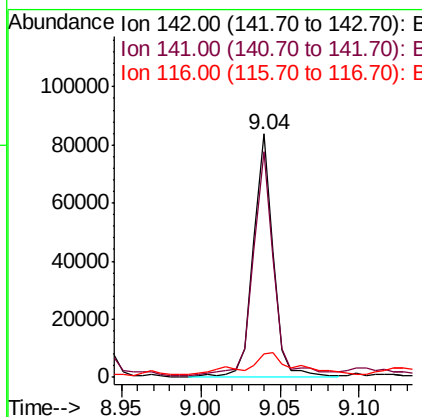
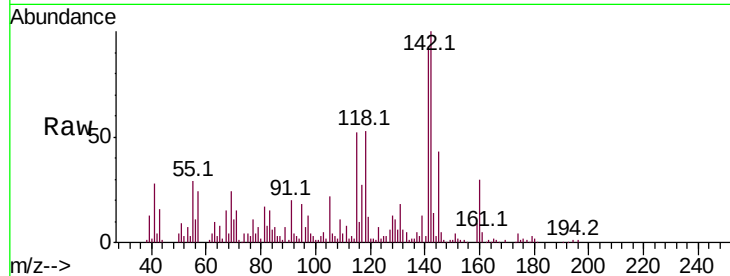
#38
1-Methylnaphthalene
Concen: 6.672 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.2	111.4
116	9.6	2.6	4.0#

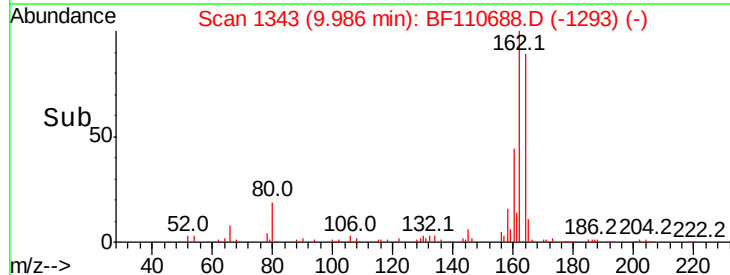
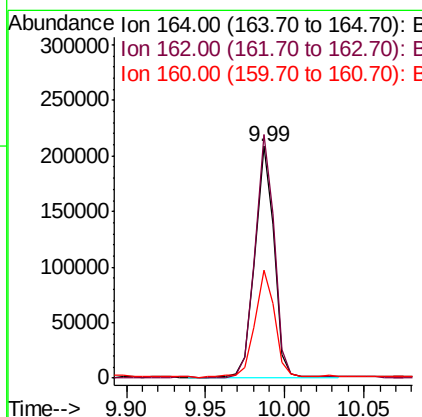
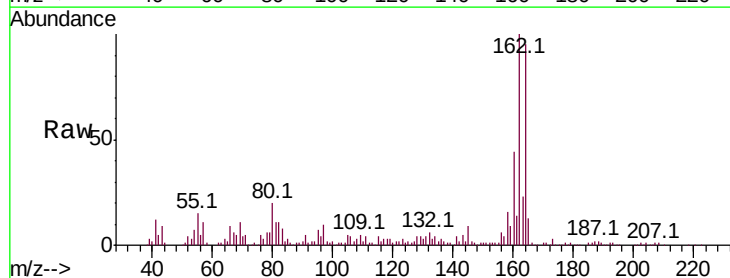
Manual Integrations
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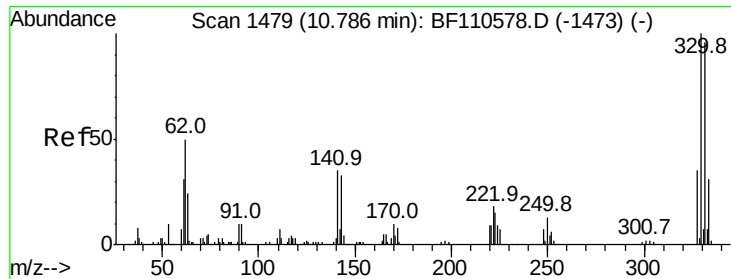
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	83.0	124.6
160	46.4	37.0	55.6





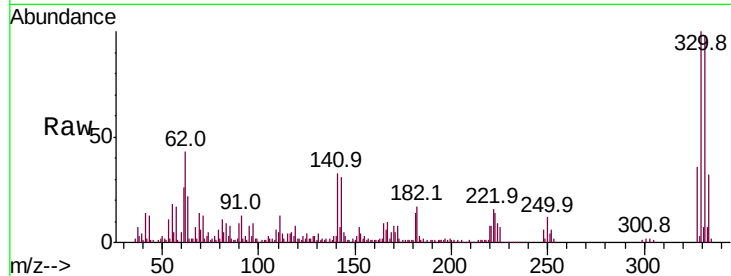
#42
 2,4,6-Tribromophenol
 Concen: 96.805 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: BF110688.D
 Acq: 12 Nov 2018 21:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3-D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169881		
332	97.0	77.1	115.7	
141	43.6	27.0	40.4	

Manual Integrations
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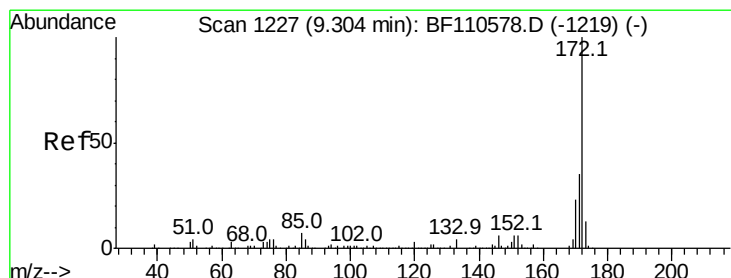
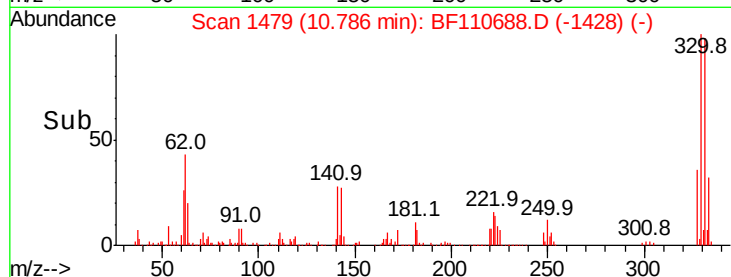
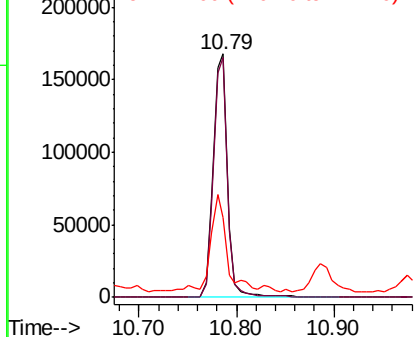


Abundance

Ion 329.80 (329.50 to 330.50): E

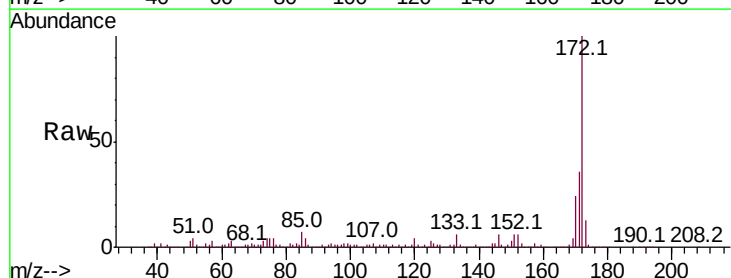
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.983 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: BF110688.D
 Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1121677		
171	35.5	28.6	43.0	
170	23.8	19.7	29.5	

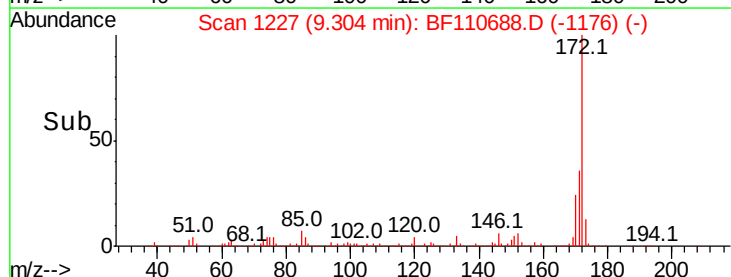
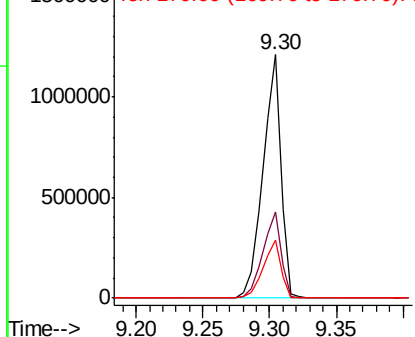


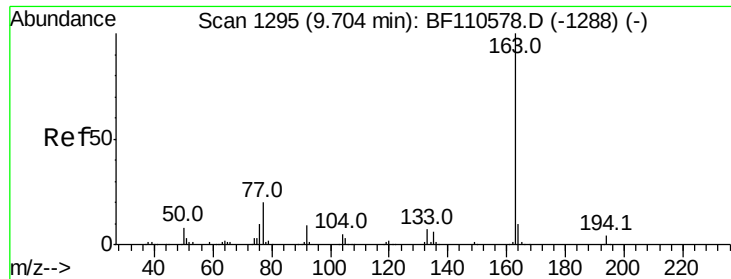
Abundance

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

Dimethylphthalate

Concen: 9.222 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110688.D

Acq: 12 Nov 2018 21:32

Instrument :

BNA_F

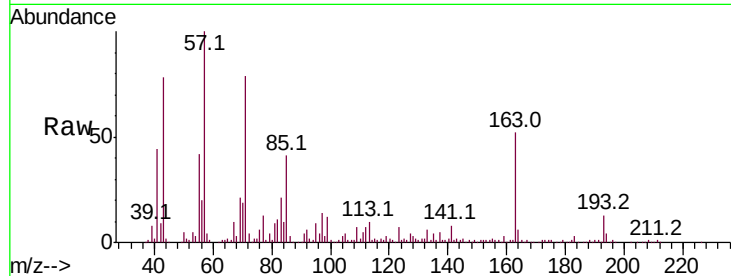
ClientSampled :

TP-3-D

Tot Ion:	163	Resp:	119836
Ion Ratio	Lower	Upper	
163	100		
194	7.5	3.2	4.8#
164	10.9	8.1	12.1

Manual Integrations
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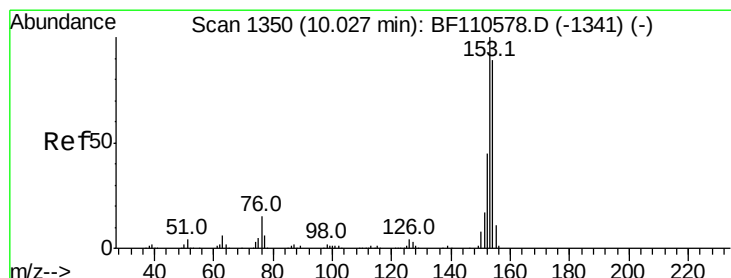
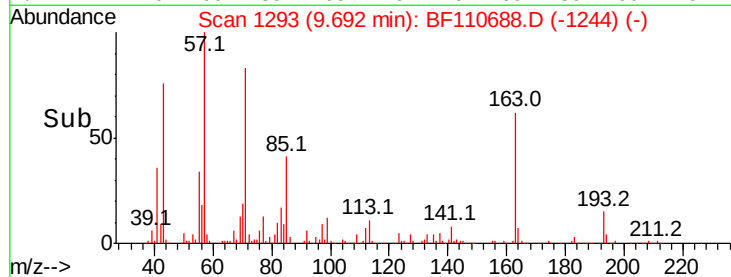
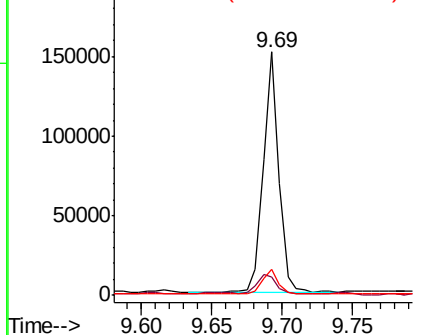


Abundance

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



#52

Acenaphthene

Concen: 5.890 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF110688.D

Acq: 12 Nov 2018 21:32

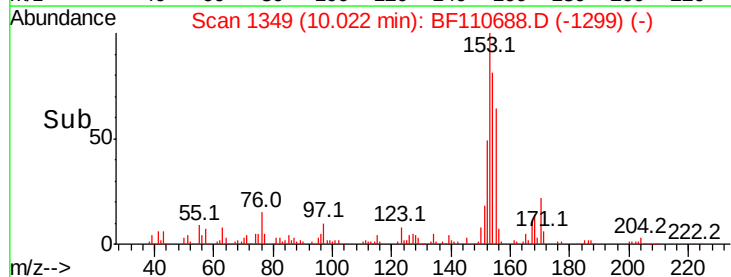
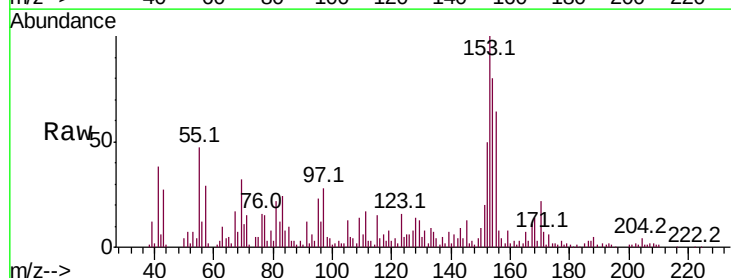
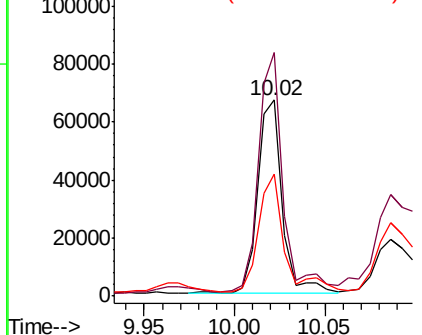
Tgt Ion:	154	Resp:	62742
Ion Ratio	Lower	Upper	
154	100		
153	124.3	90.1	135.1
152	62.1	43.4	65.2

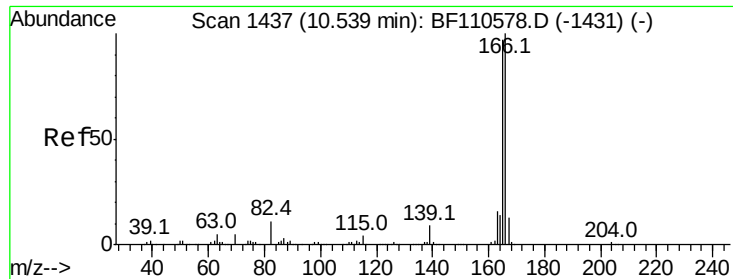
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





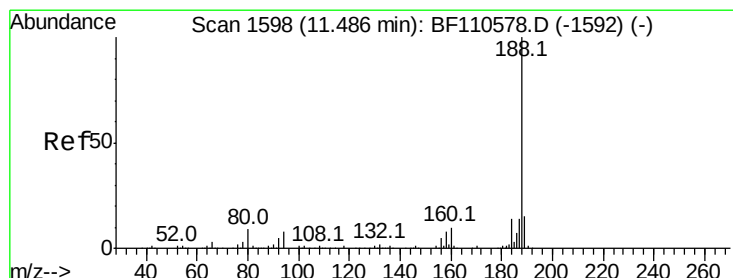
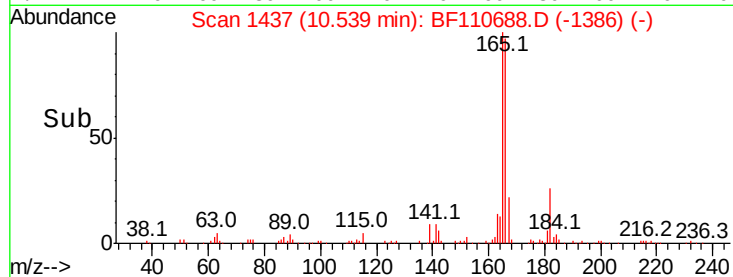
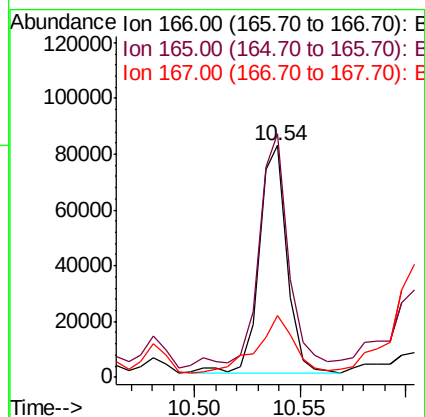
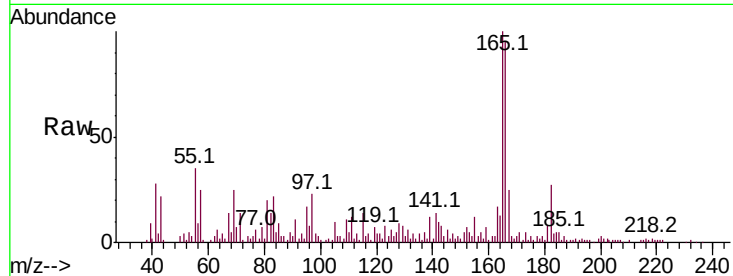
#58
Fluorene
 Concen: 6.203 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.00 min
 Lab File: BF110688.D
 Acq: 12 Nov 2018 21:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3-D

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.0	78.6	117.8
167	26.7	10.8	16.2#

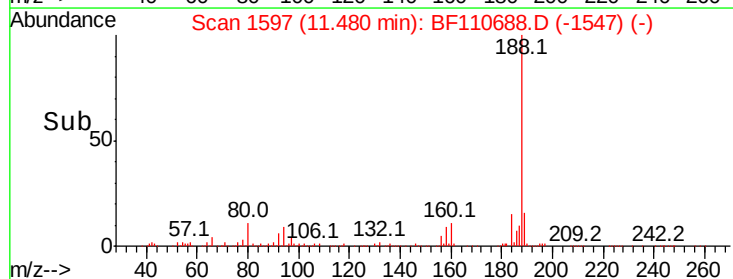
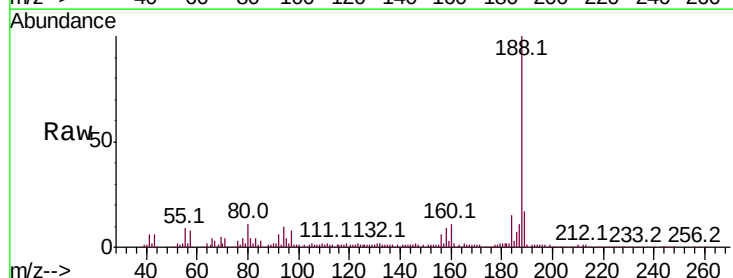
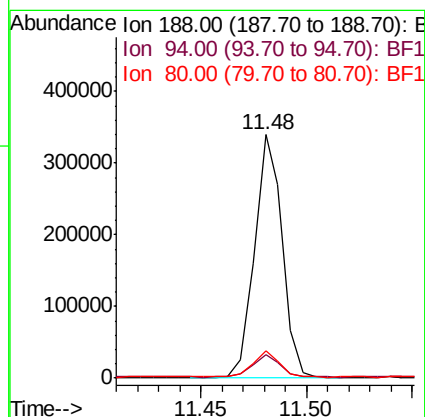
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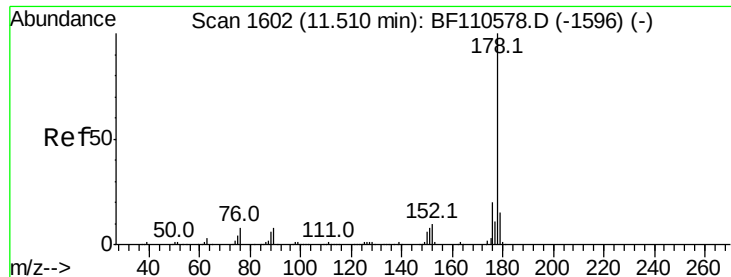
Sohil
 11/13/2018 2:22:52 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110688.D
 Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	11.3	7.9	11.9





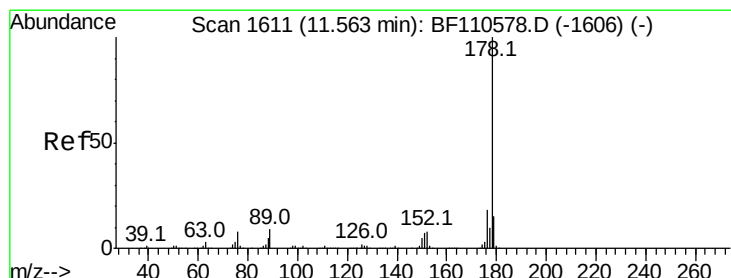
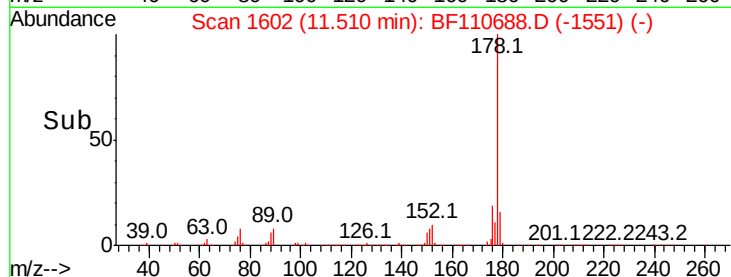
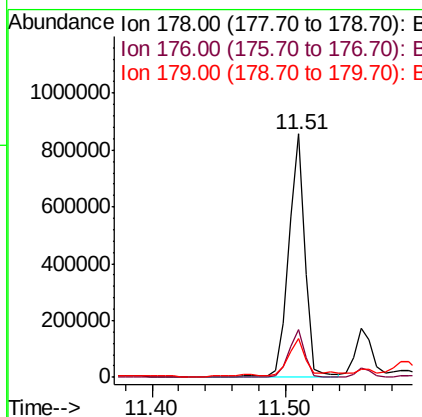
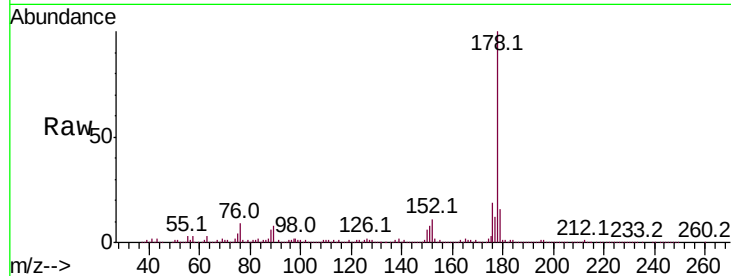
#71
Phenanthrene
Concen: 44.259 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	16.2	12.5	18.7

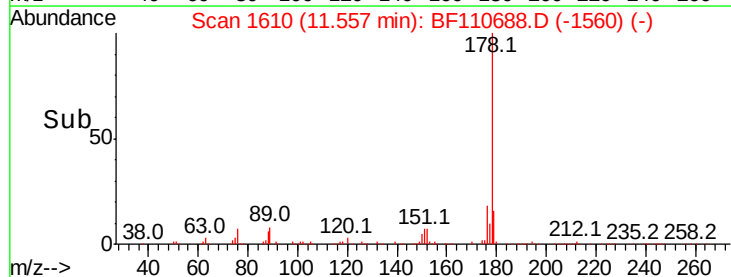
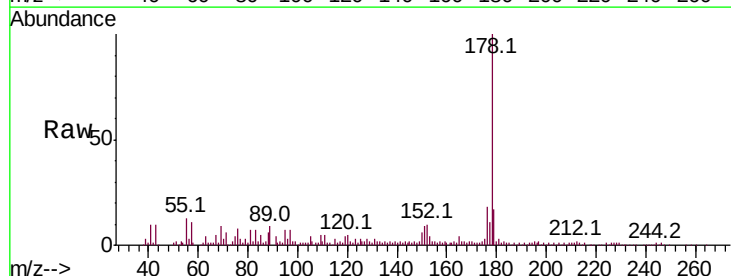
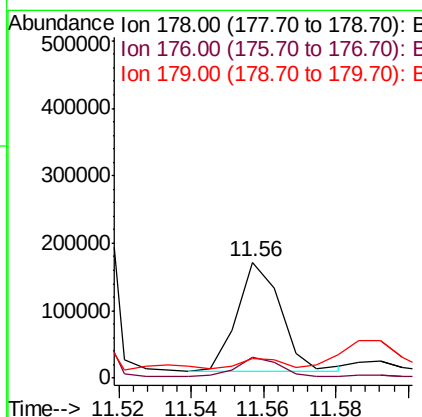
Manual Integrations
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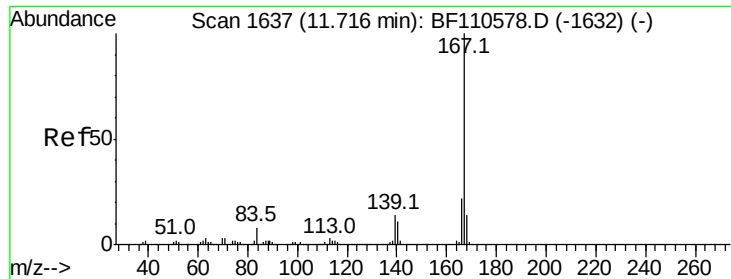
Sohil
11/13/2018 2:22:52 PM



#72
Anthracene
Concen: 8.231 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	17.3	12.6	18.8





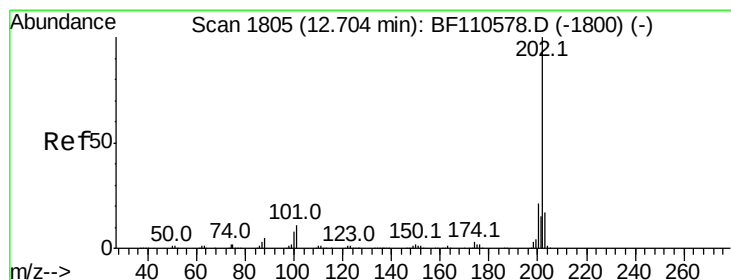
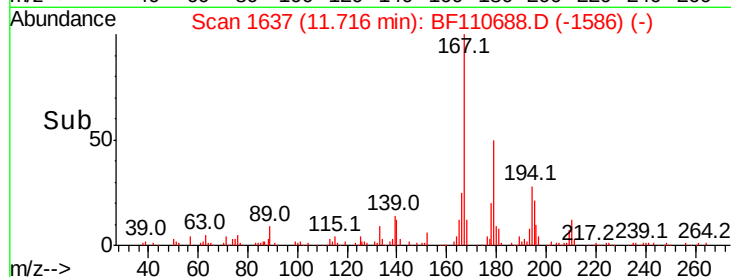
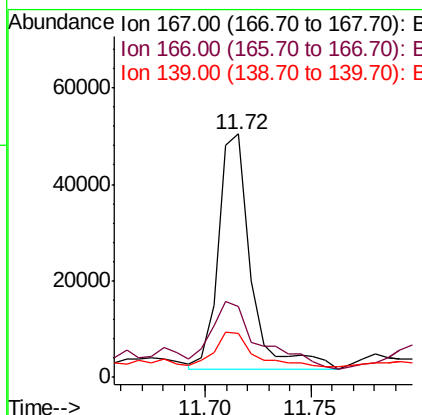
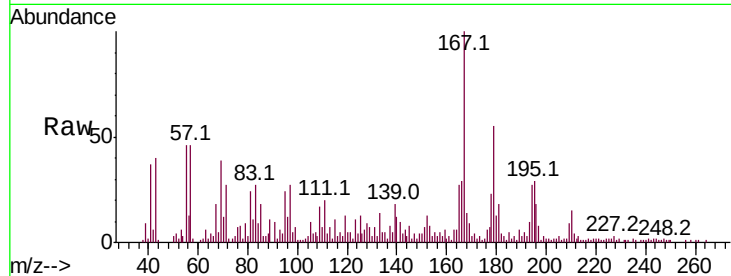
#73
 Carbazole
 Concen: 3.223 ng
 RT: 11.72 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: BF110688.D
 Acq: 12 Nov 2018 21:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3-D

Tot Ion	Ratio	Lower	Upper
167	100		
166	28.8	17.4	26.0#
139	18.2	10.9	16.3#

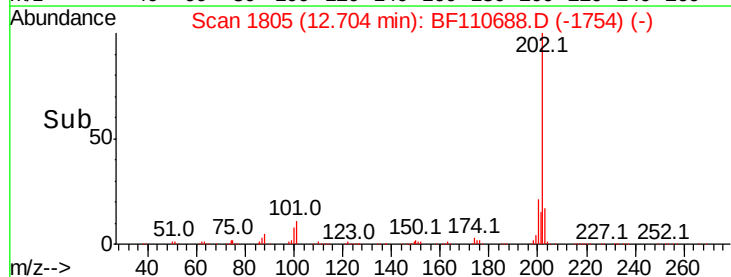
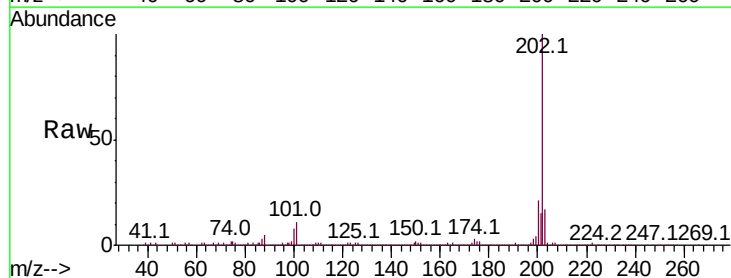
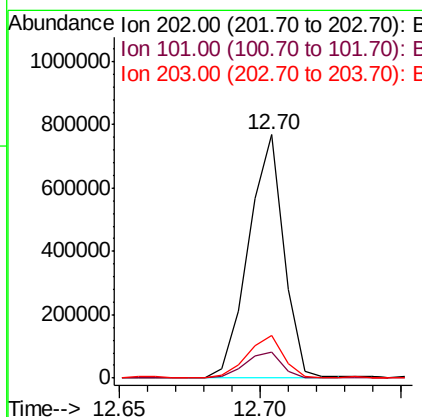
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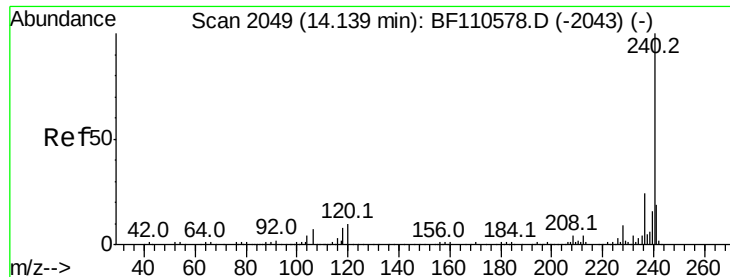
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#75
 Fluoranthene
 Concen: 40.131 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: BF110688.D
 Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.4
203	17.3	0.0	37.7





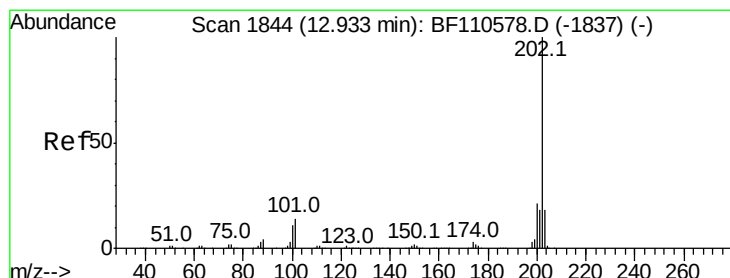
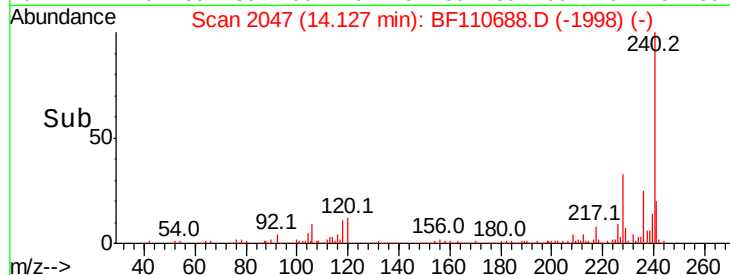
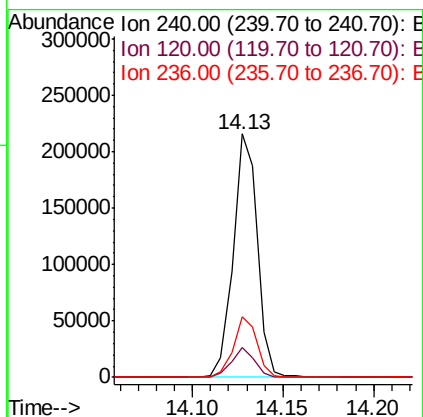
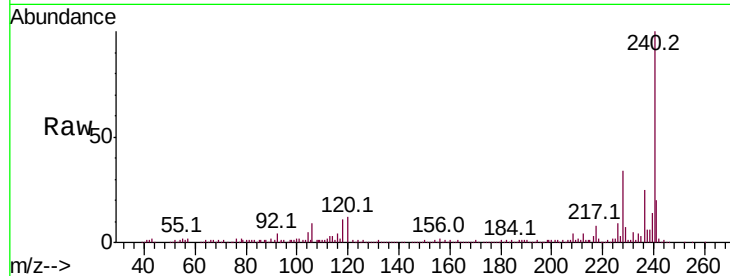
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.3	8.3	12.5
236	25.0	21.2	31.8

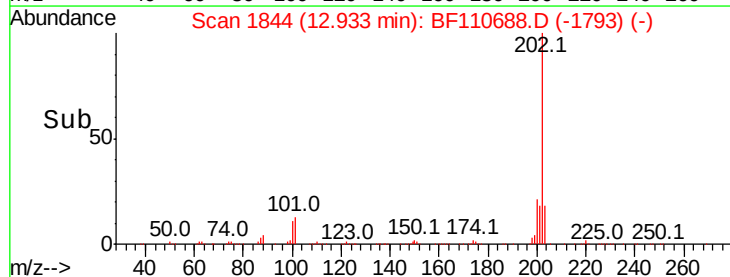
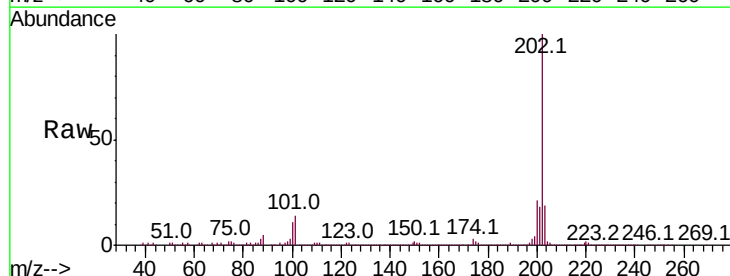
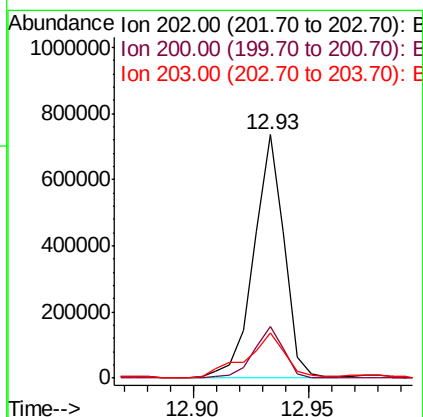
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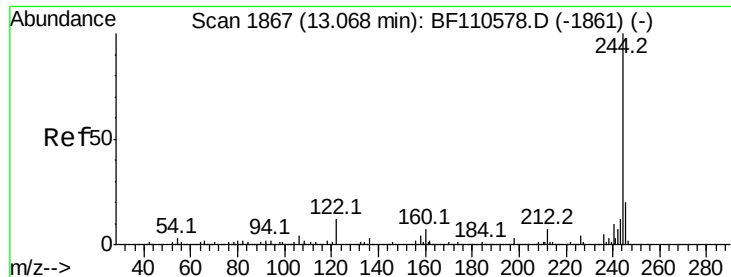
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#78
Pyrene
Concen: 43.728 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.4	17.8	26.6
203	18.6	14.2	21.4





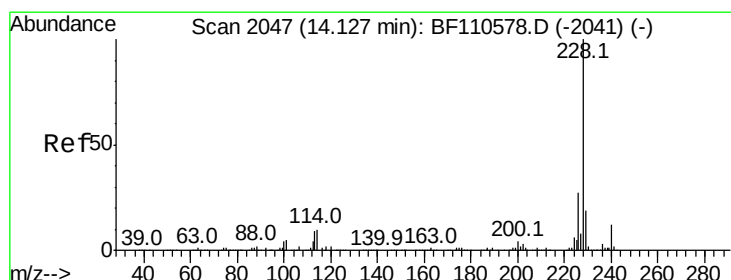
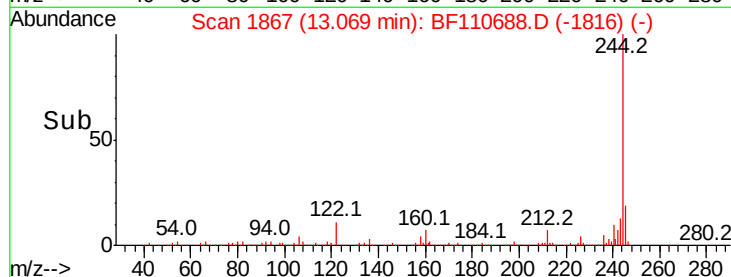
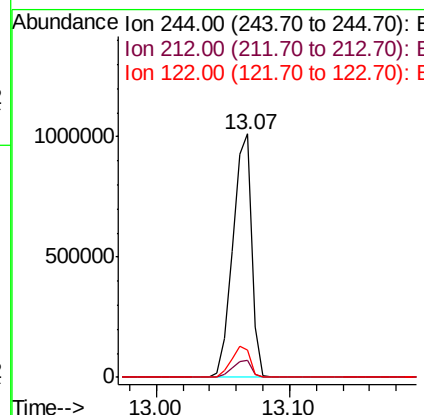
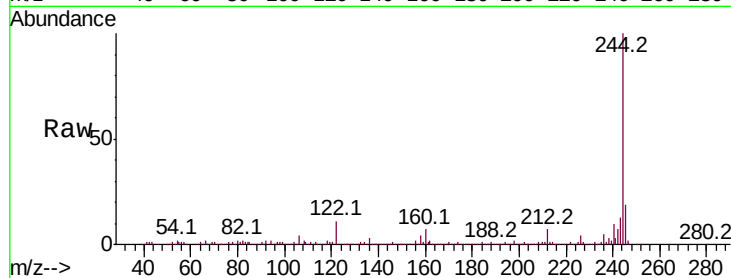
#79
 Terphenyl-d14
 Concen: 95.381 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: BF110688.D
 Acq: 12 Nov 2018 21:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.2	8.7	13.1

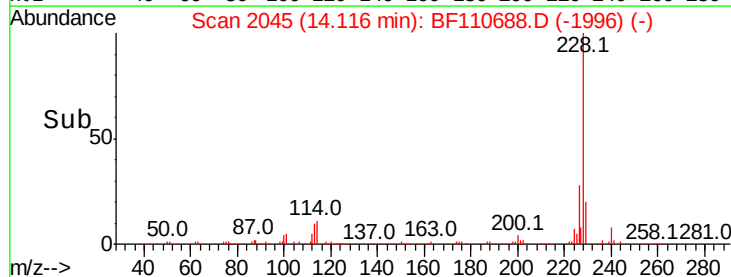
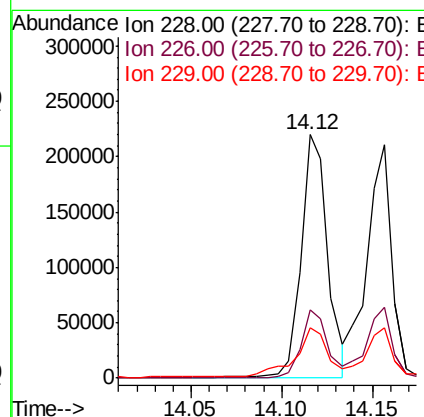
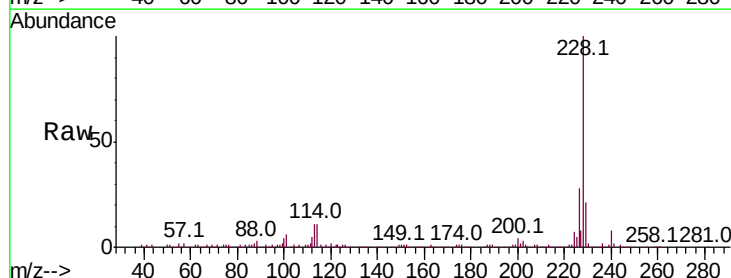
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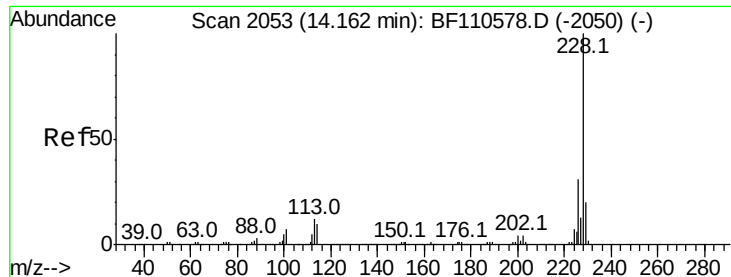
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#81
 Benzo(a)anthracene
 Concen: 18.886 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF110688.D
 Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	20.8	15.6	23.4





#83

Chrysene

Concen: 17.883 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110688.D

Acq: 12 Nov 2018 21:32

Instrument :

BNA_F

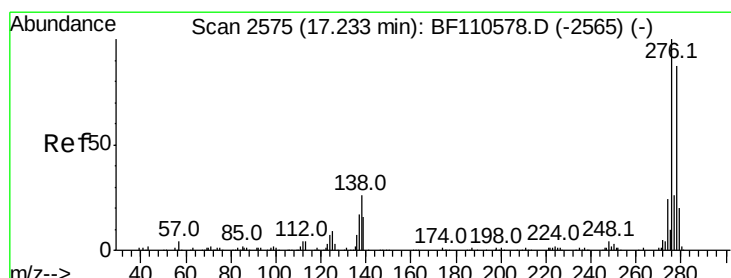
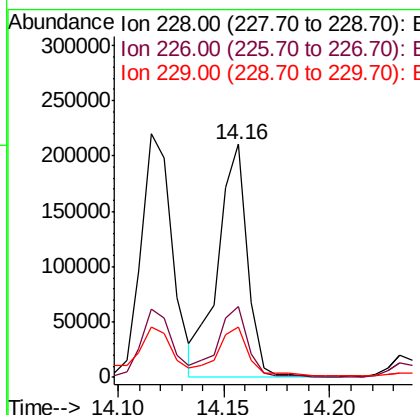
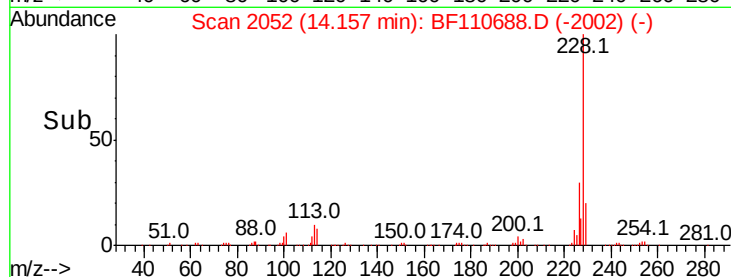
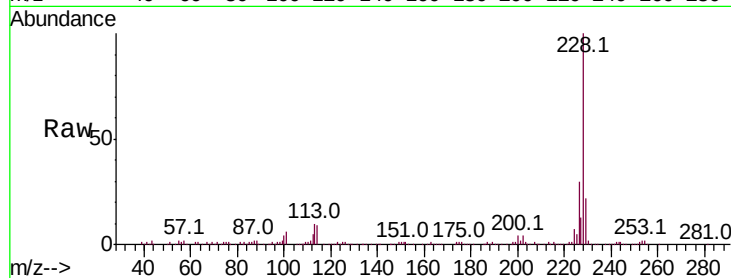
ClientSampled :

TP-3-D

Tot Ion:	228	Resp:	202416
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.7	37.1
229	21.7	15.9	23.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 10.714 ng

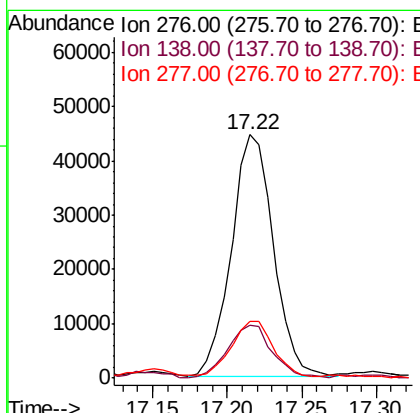
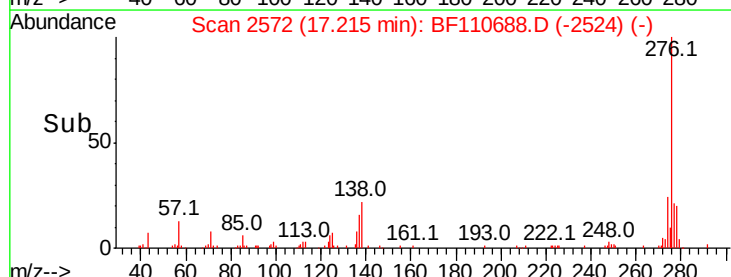
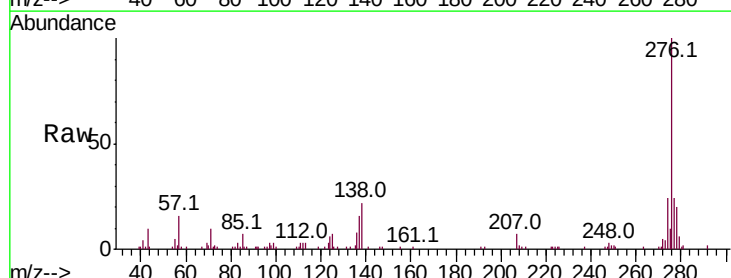
RT: 17.22 min Scan# 2572

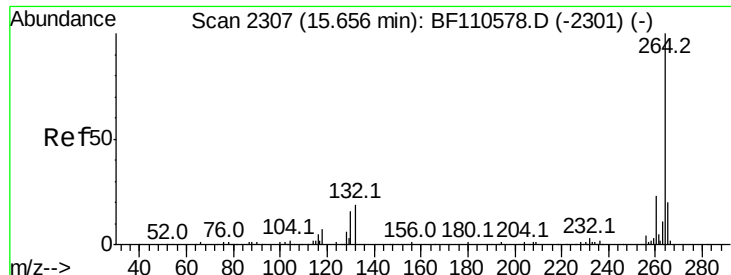
Delta R.T. -0.02 min

Lab File: BF110688.D

Acq: 12 Nov 2018 21:32

Tgt Ion:	276	Resp:	87021
Ion Ratio	Lower	Upper	
276	100		
138	23.4	18.5	27.7
277	22.9	20.0	30.0





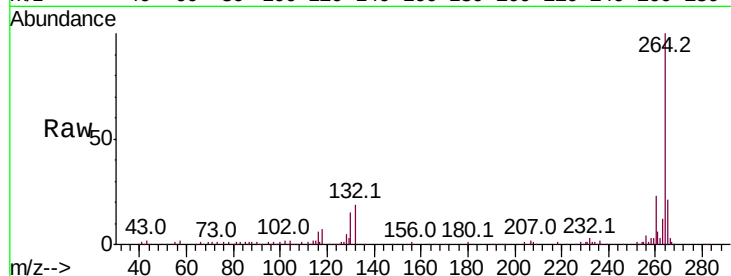
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.65 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-D

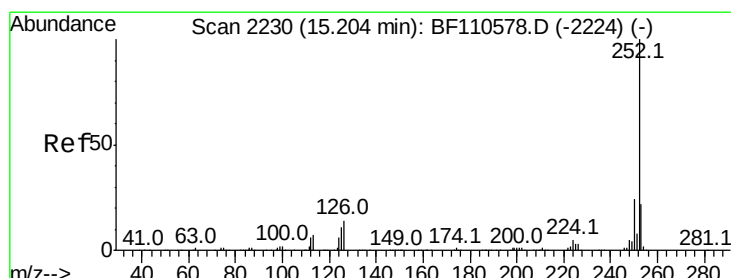
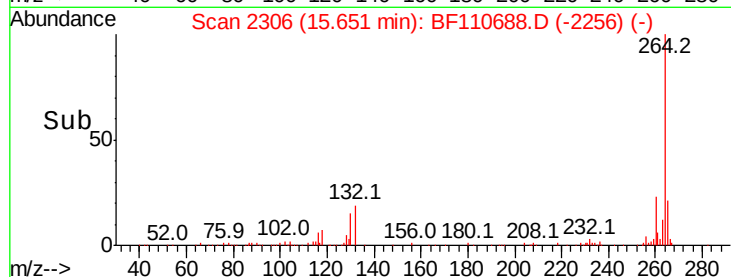
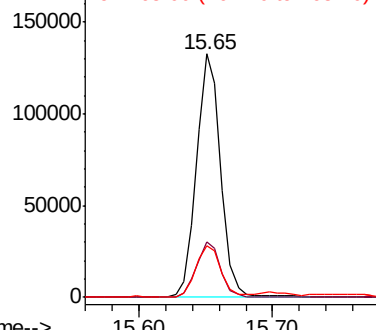
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	21.3	16.7	25.1

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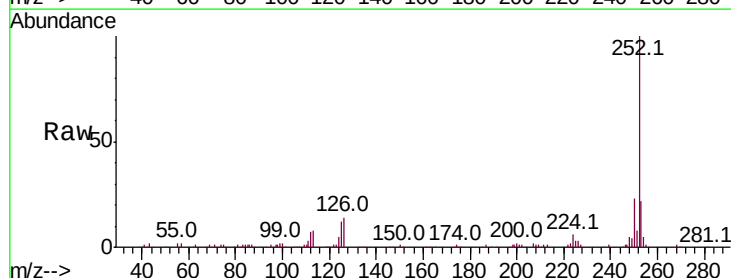


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

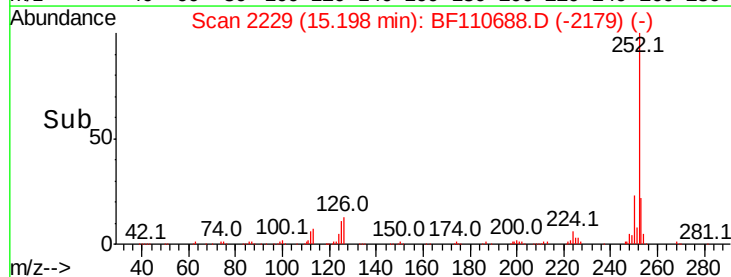
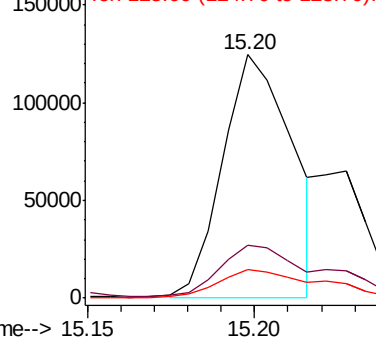


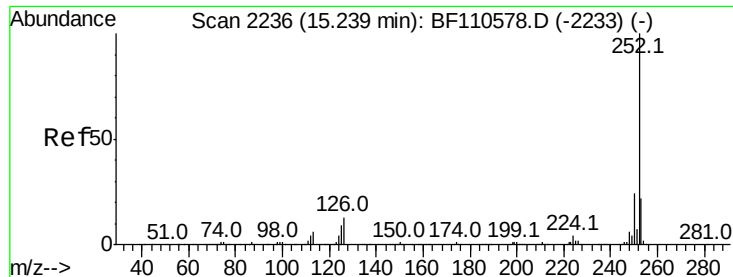
#88
Benzo(b)fluoranthene
Concen: 17.863 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	11.6	8.2	12.4



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





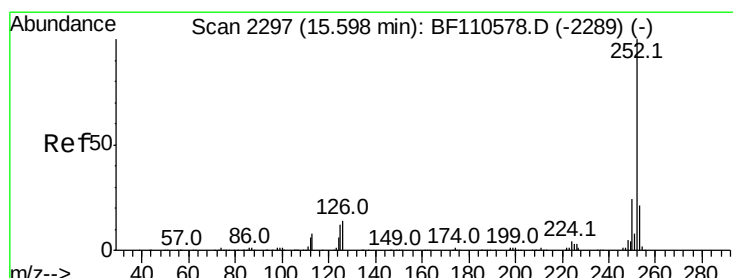
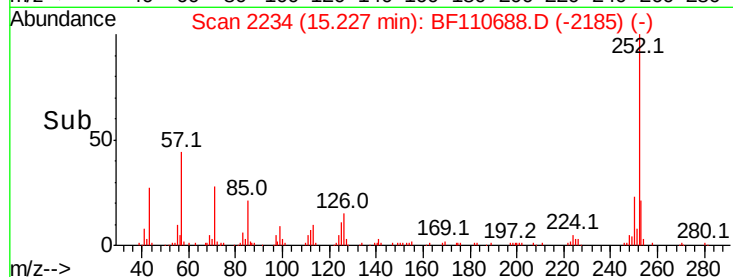
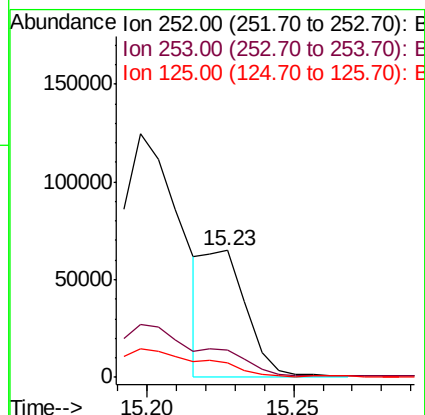
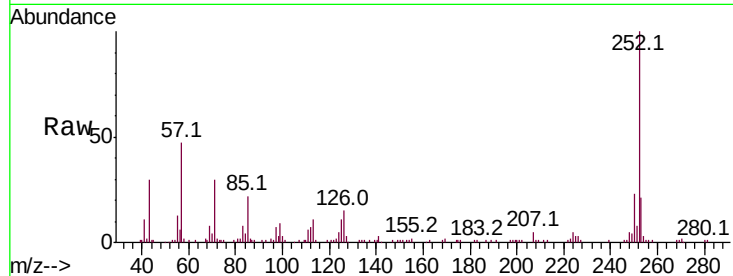
#89
Benzo(k)fluoranthene
Concen: 6.634 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.2	25.8
125	11.3	7.4	11.0

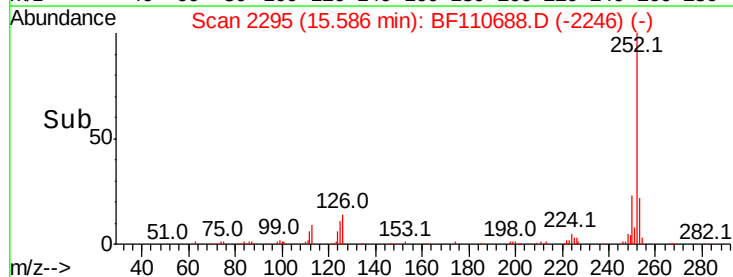
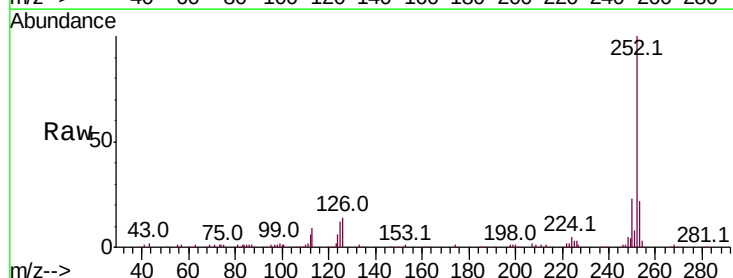
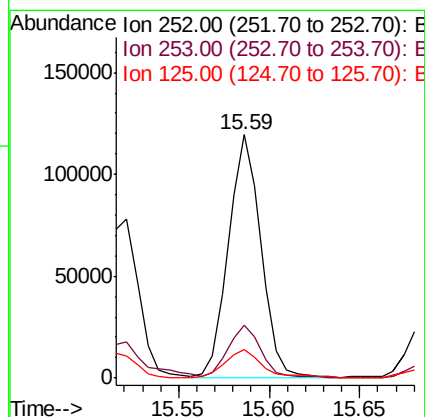
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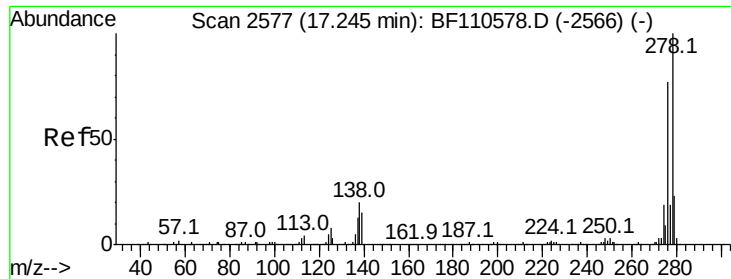
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#90
Benzo(a)pyrene
Concen: 16.183 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	11.6	9.0	13.6





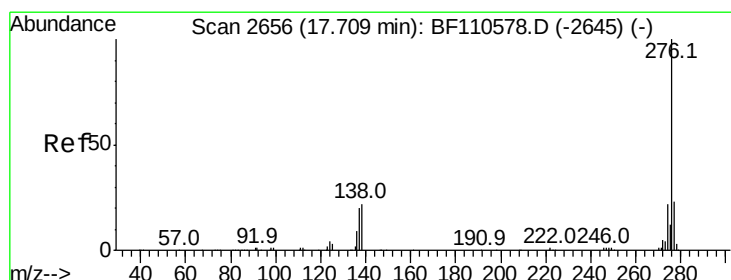
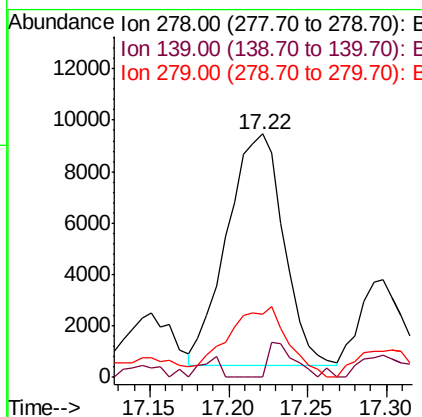
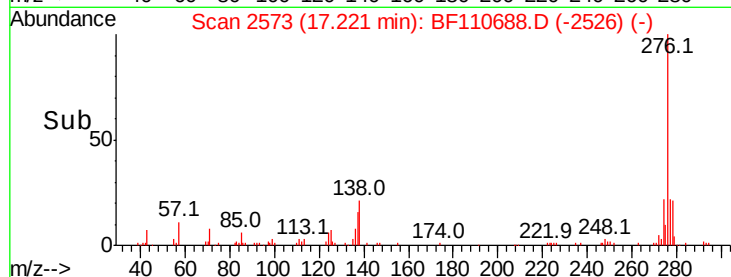
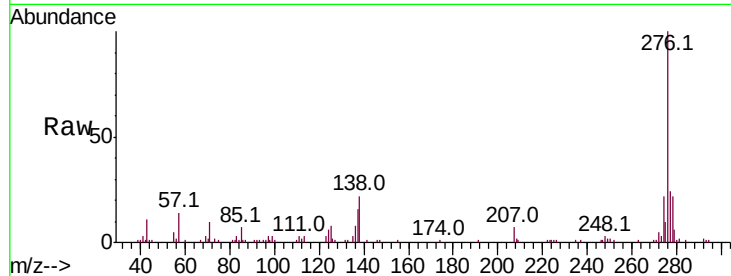
#91
Dibenzo(a,h)anthracene
Concen: 2.905 ng m
RT: 17.22 min Scan# 2573
Delta R.T. -0.02 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	26.0	19.0	28.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 11.398 ng
RT: 17.70 min Scan# 2654
Delta R.T. -0.01 min
Lab File: BF110688.D
Acq: 12 Nov 2018 21:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	20.8	16.0	24.0

