

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
 Data File : BF110817.D
 Acq On : 16 Nov 2018 15:31
 Operator : JU/SJ
 Sample : J5952-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VTW-01(7-10)

Manual Integrations
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Sohil
 11/19/2018 11:55:46 AM

Quant Time: Nov 16 16:27:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	66609	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	278327	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	130756	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	232577	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	149088	20.00	ng	-0.01
87) Perylene-d12	15.66	264	146960	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	387206	94.42	ng	0.00
7) Phenol-d6	6.56	99	495822	94.55	ng	-0.01
23) Nitrobenzene-d5	7.50	82	307051	63.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	113854	86.41	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	546488	59.69	ng	-0.01
79) Terphenyl-d14	13.06	244	425882	53.50	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.25	128	80623	6.170	ng	98
37) 2-Methylnaphthalene	8.94	142	34103	3.982	ng	99
38) 1-Methylnaphthalene	9.03	142	30417m	3.693	ng	
49) Acenaphthylene	9.85	152	33071	2.613	ng	97
50) Dimethylphthalate	9.69	163	88465	9.067	ng	99
52) Acenaphthene	10.02	154	18594	2.325	ng	100
58) Fluorene	10.53	166	46168	5.137	ng	96
71) Phenanthrene	11.50	178	460760	36.978	ng	99
72) Anthracene	11.55	178	131476	10.460	ng	98
75) Fluoranthene	12.70	202	473997	37.943	ng	99
78) Pyrene	12.93	202	435387	37.928	ng	98
81) Benzo(a)anthracene	14.12	228	204026	22.896	ng	97
83) Chrysene	14.16	228	180732	21.288	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	77640	12.744	ng	98
88) Benzo(b)fluoranthene	15.20	252	215305m	24.490	ng	
89) Benzo(k)fluoranthene	15.23	252	75073m	8.642	ng	
90) Benzo(a)pyrene	15.59	252	166963	20.902	ng	97
91) Dibenzo(a,h)anthracene	17.23	278	21475m	3.177	ng	
92) Benzo(a,h,i)perylene	17.71	276	76048	11.339	ng	99

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

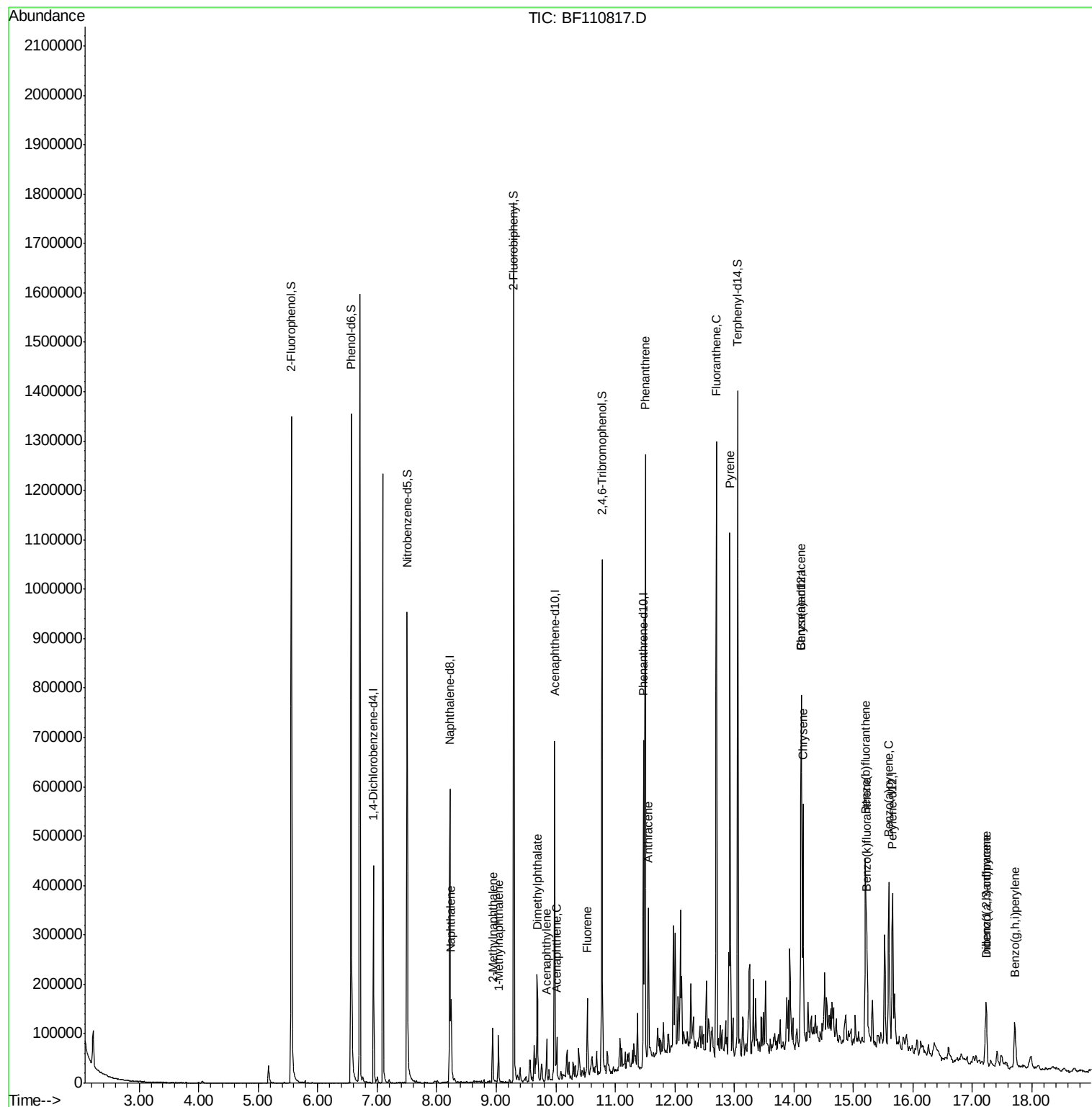
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110817.D
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Operator : JU/SJ
Sample : J5952-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

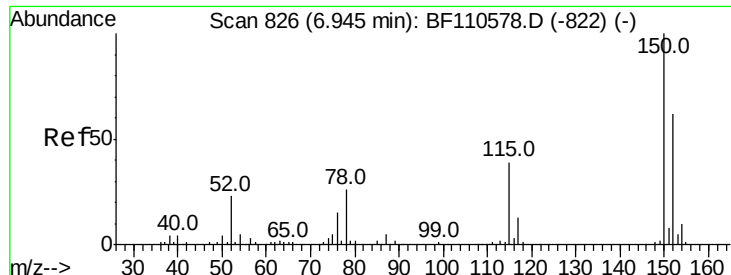
Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

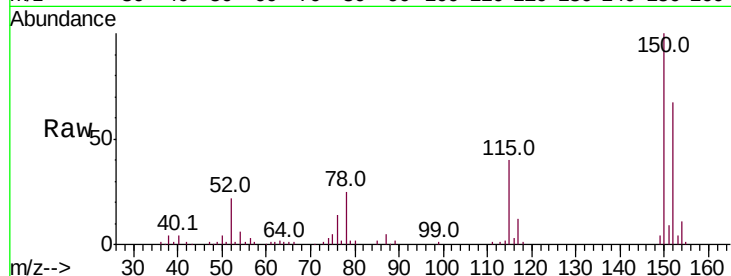
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	122.7	184.1
115	59.8	49.1	73.7

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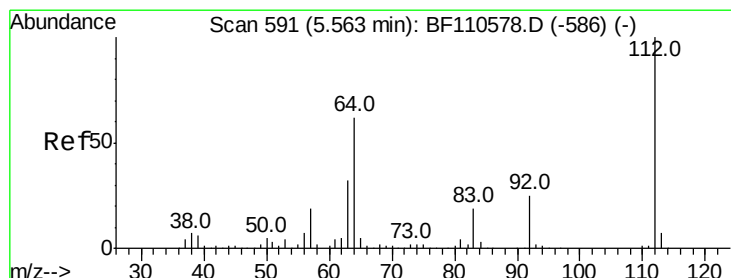
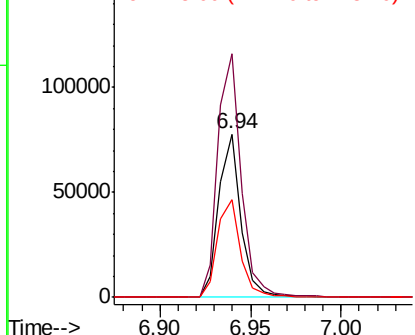
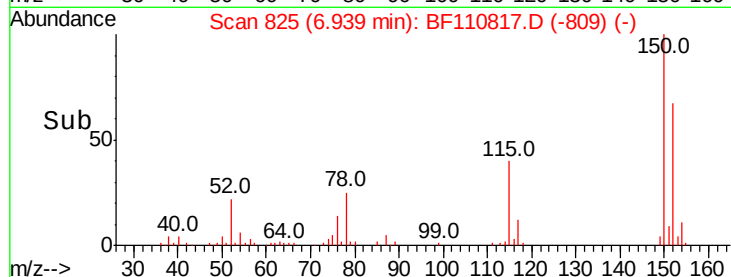


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

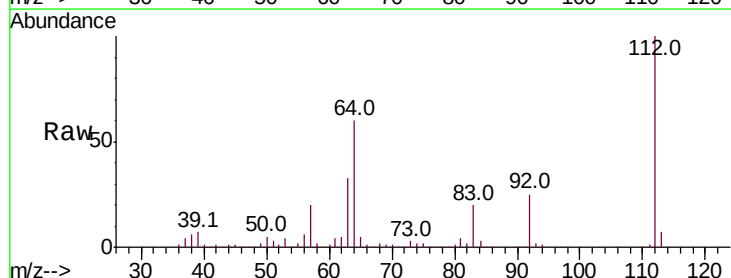
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.423 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	44.1	66.1
63	33.1	23.7	35.5

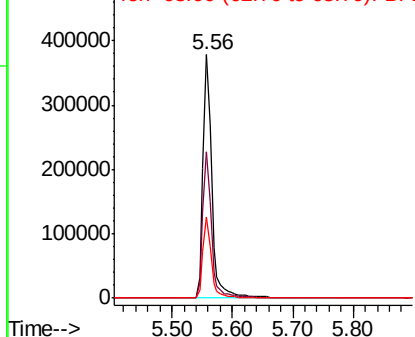
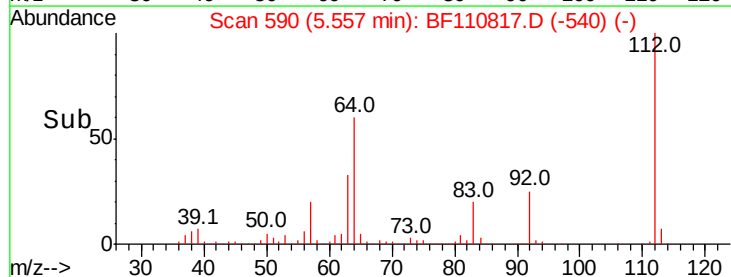


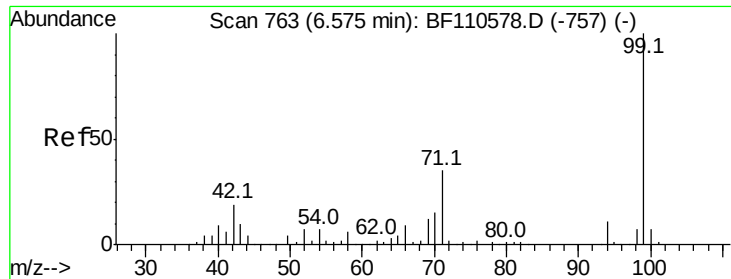
Abundance

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: 94.553 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110817.D

Acq: 16 Nov 2018 15:31

Instrument :

BNA_F

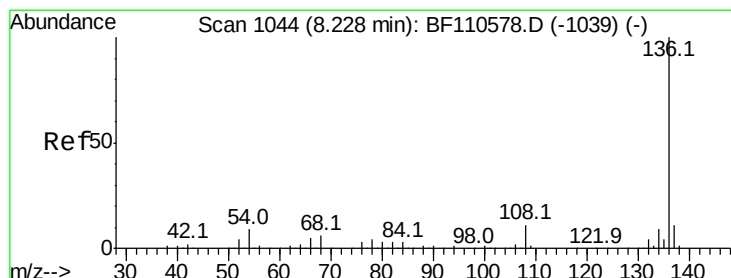
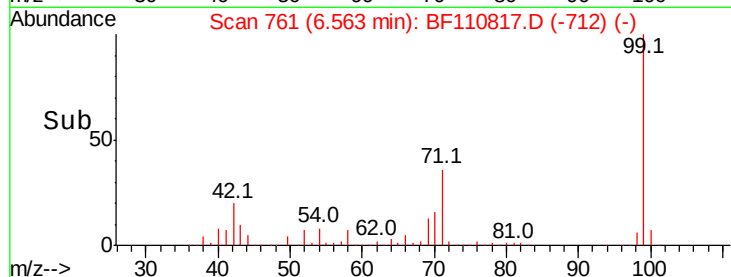
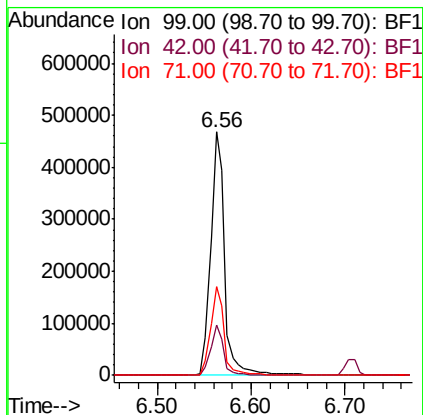
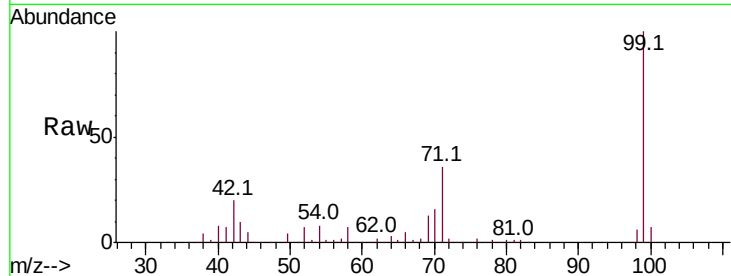
ClientSampleId :

VTW-01(7-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		495822		
42	20.4	15.8	23.6		
71	36.4	28.0	42.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

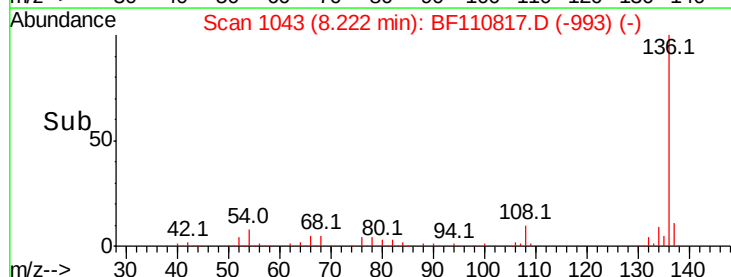
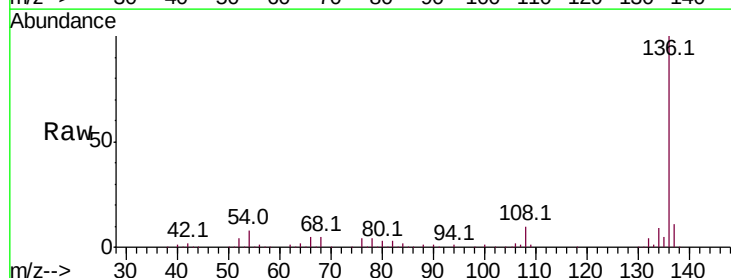
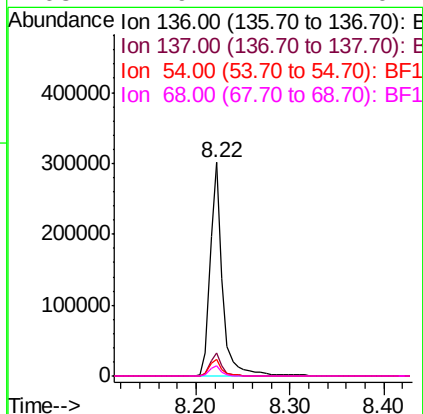
RT: 8.22 min Scan# 1043

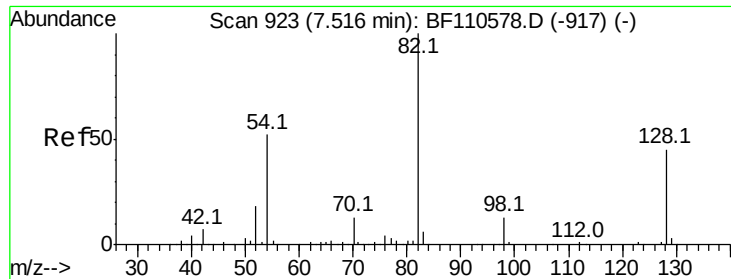
Delta R.T. -0.01 min

Lab File: BF110817.D

Acq: 16 Nov 2018 15:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		278327		
137	10.9	8.8	13.2		
54	7.6	5.4	8.2		
68	4.9	4.2	6.2		





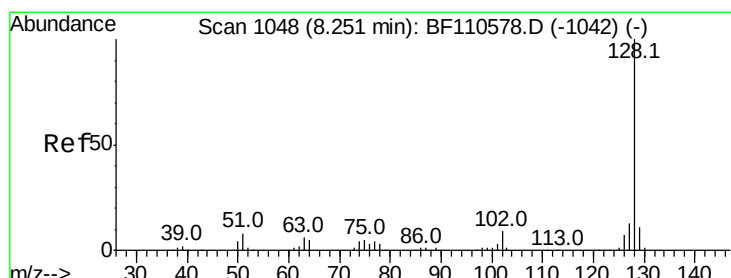
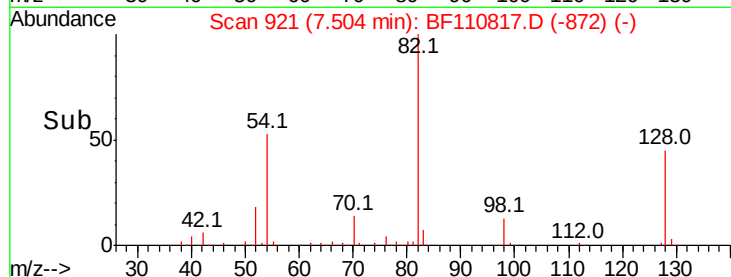
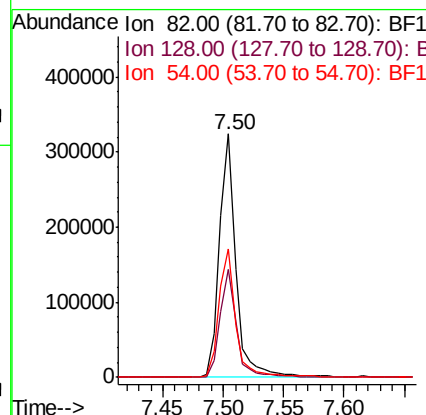
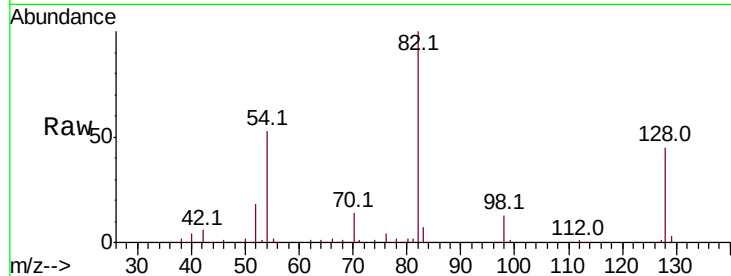
#23
Nitrobenzene-d5
Concen: 63.533 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.2	51.2
54	52.5	38.6	58.0

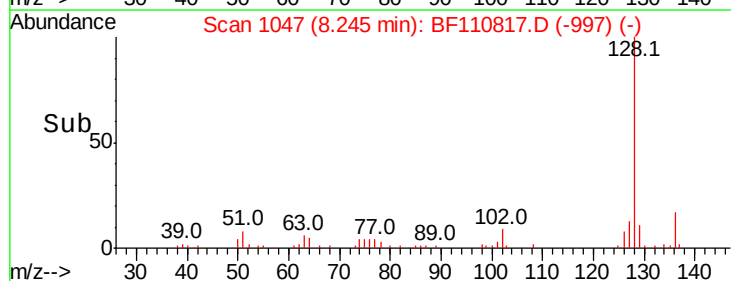
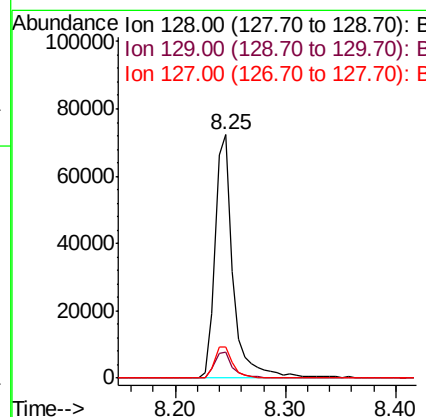
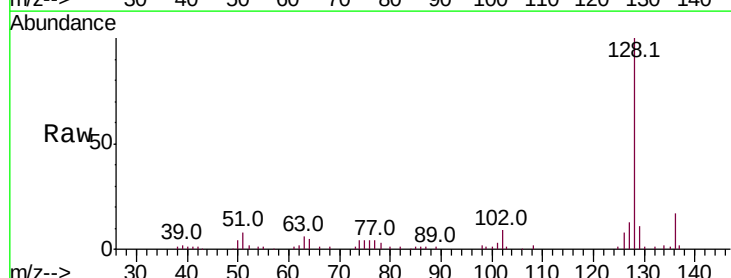
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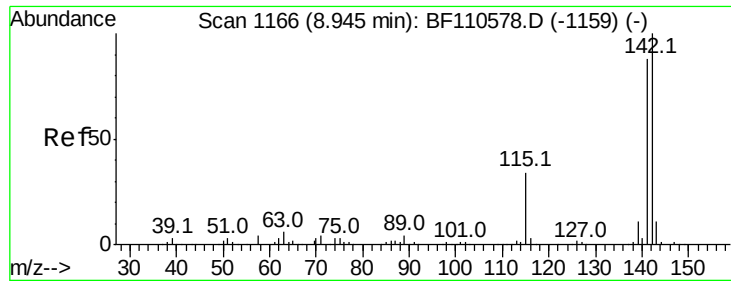
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#31
Naphthalene
Concen: 6.170 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.7	10.8	16.2





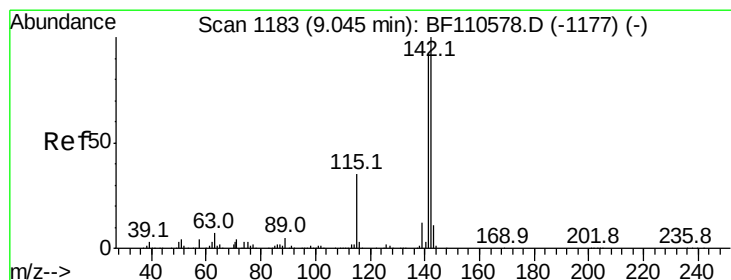
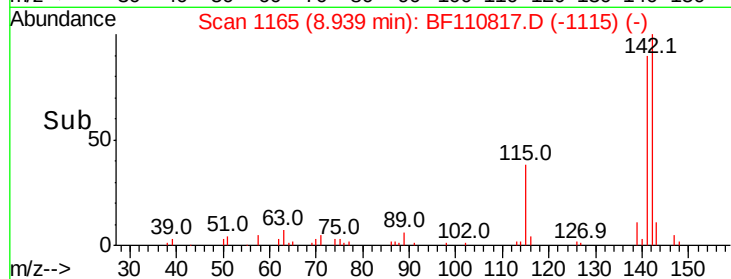
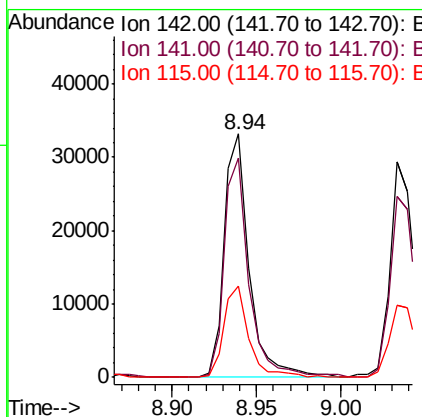
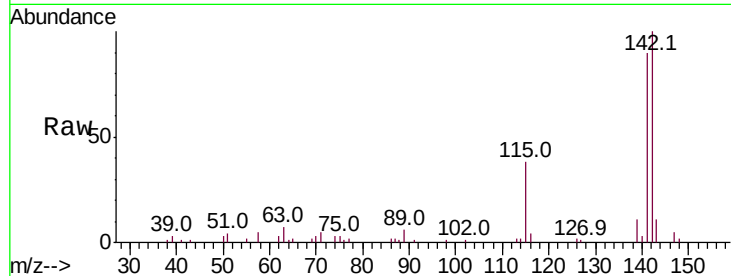
#37
2-Methylnaphthalene
Concen: 3.982 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.4	107.2
115	37.7	28.7	43.1

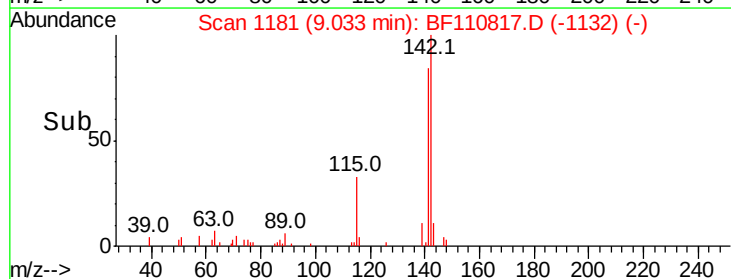
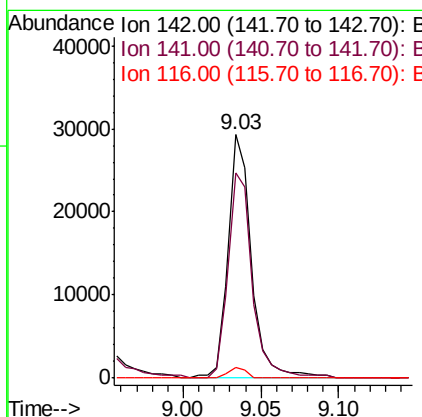
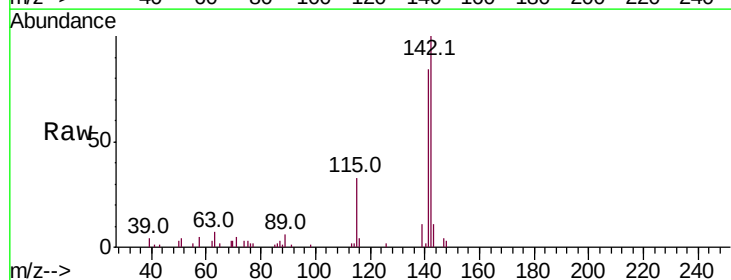
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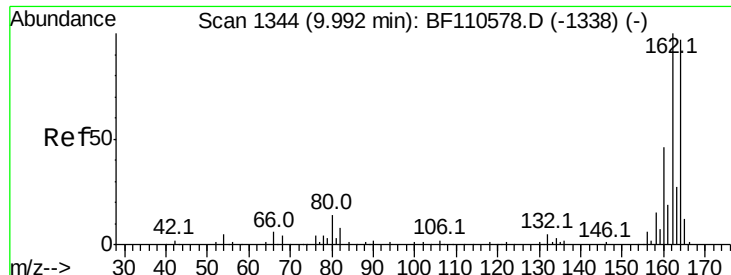
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#38
1-Methylnaphthalene
Concen: 3.693 ng m
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	74.2	111.4
116	4.4	2.6	4.0#





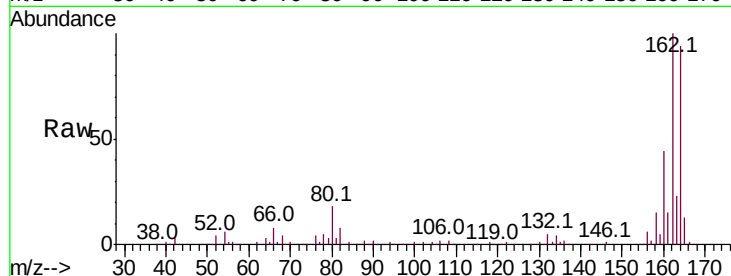
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

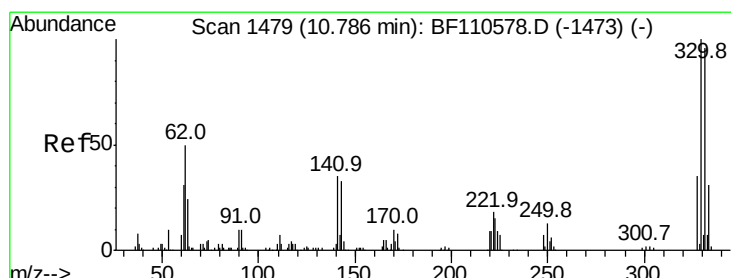
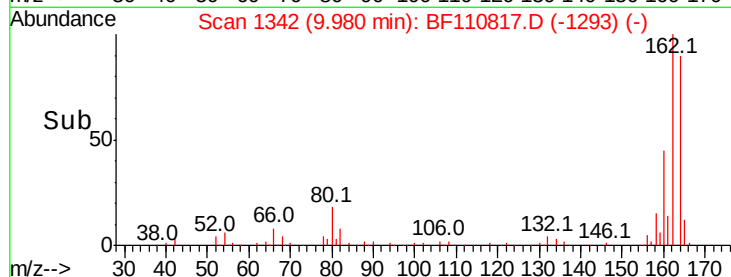
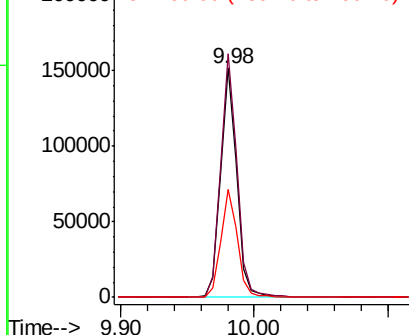
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.3	83.0	124.6	
160	47.2	37.0	55.6	

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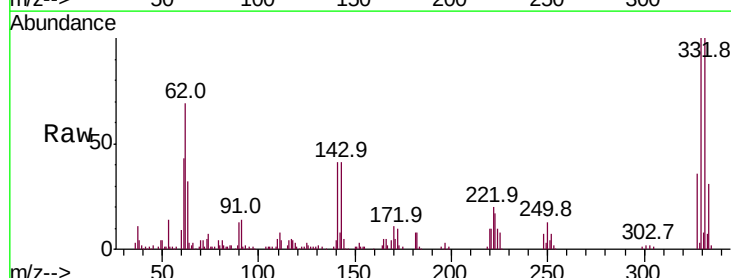


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

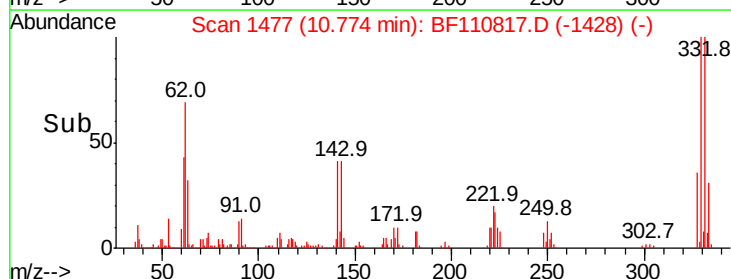
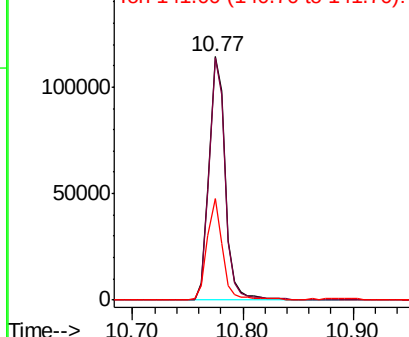


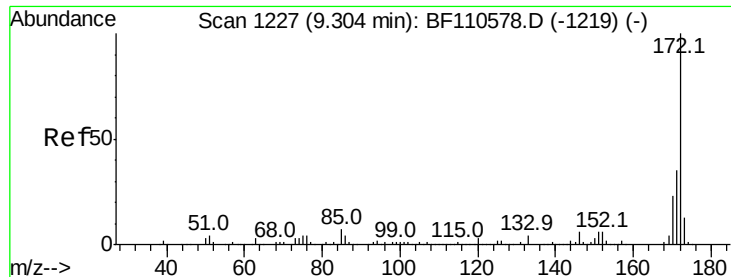
#42
2,4,6-Tribromophenol
Concen: 86.415 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.0	77.1	115.7	
141	38.6	27.0	40.4	



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





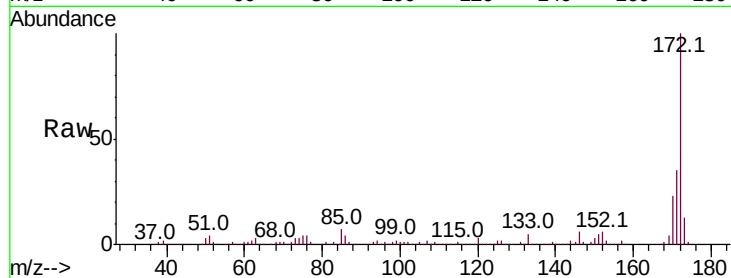
#45
2-Fluorobiphenyl
Concen: 59.690 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

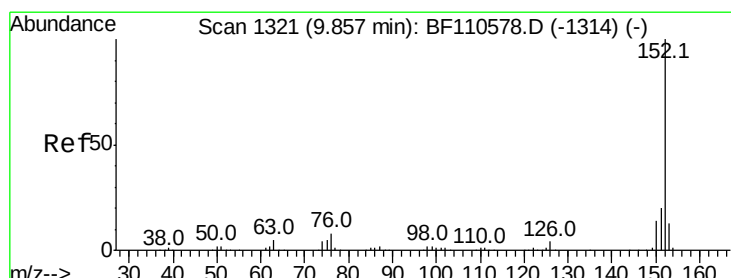
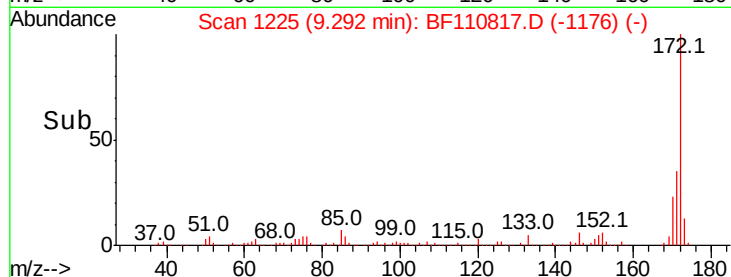
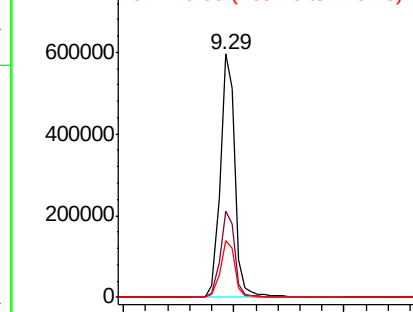
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	28.6	43.0	
170	23.2	19.7	29.5	

Manual Integrations
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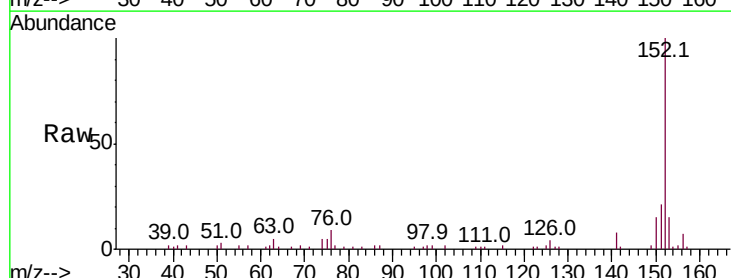


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

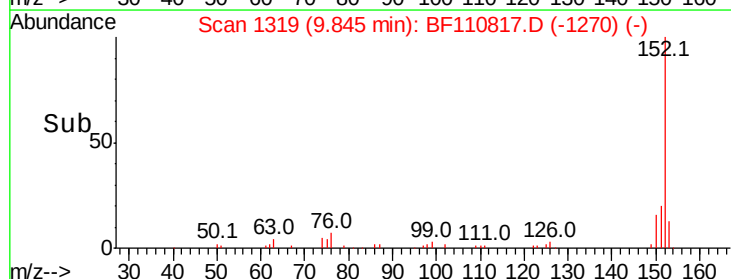
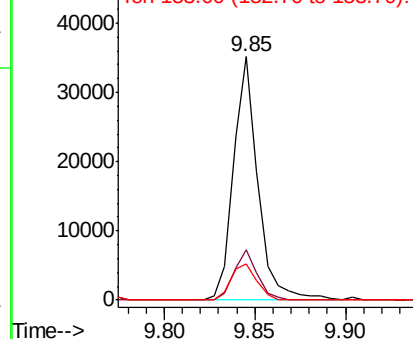


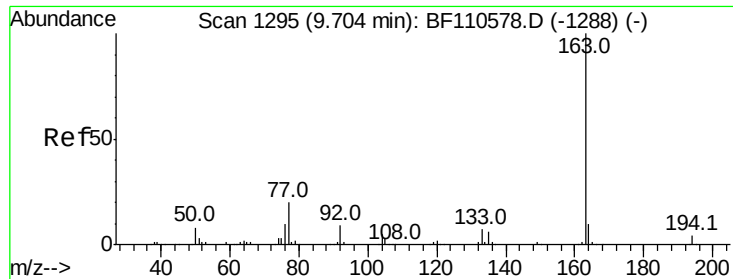
#49
Acenaphthylene
Concen: 2.613 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.9	15.8	23.8	
153	14.9	10.4	15.6	



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





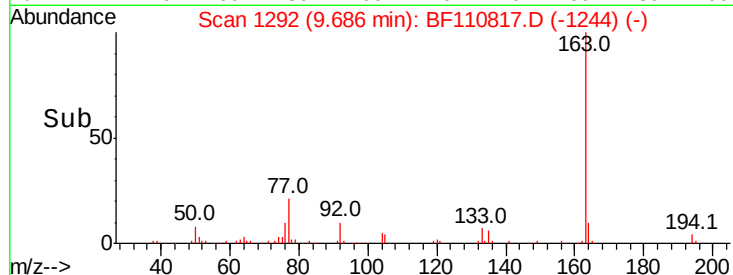
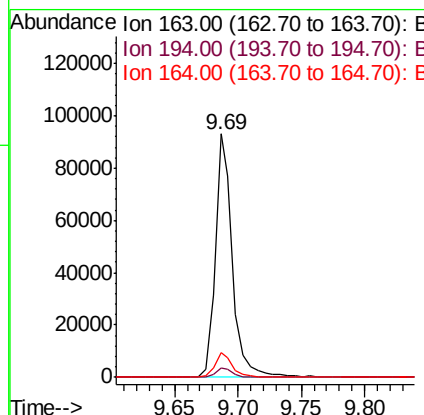
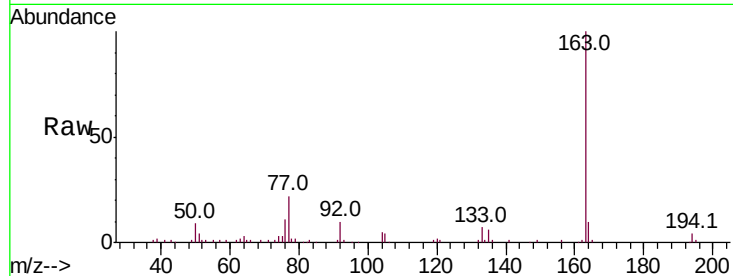
#50
Dimethylphthalate
Concen: 9.067 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	88465		
194	3.9		3.2	4.8
164	10.4		8.1	12.1

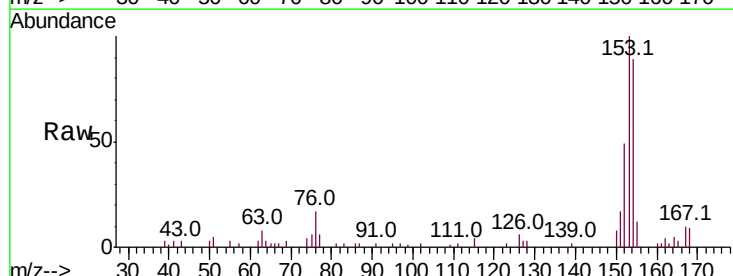
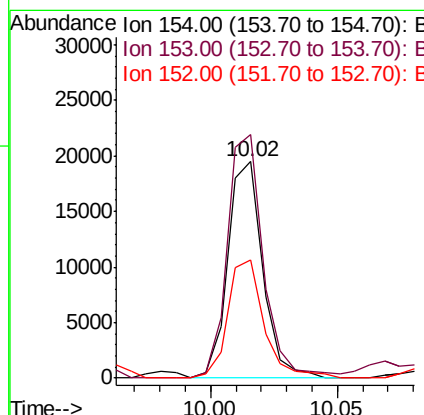
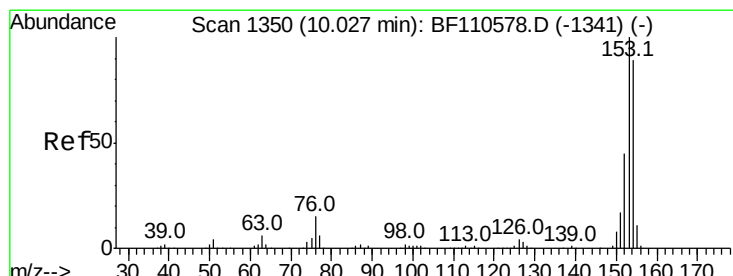
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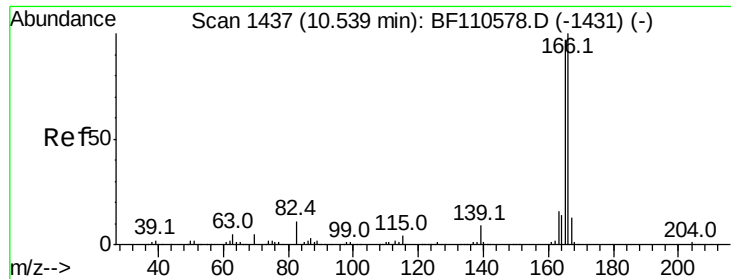
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#52
Acenaphthene
Concen: 2.325 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	18594		
153	112.6		90.1	135.1
152	54.6		43.4	65.2





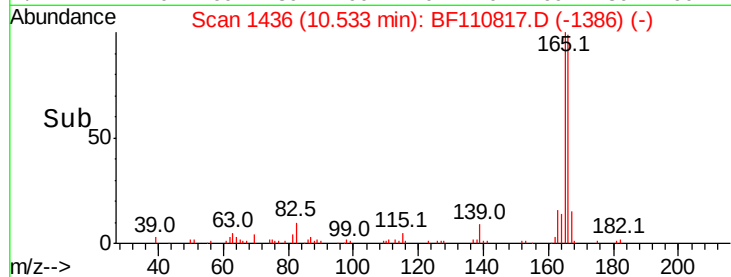
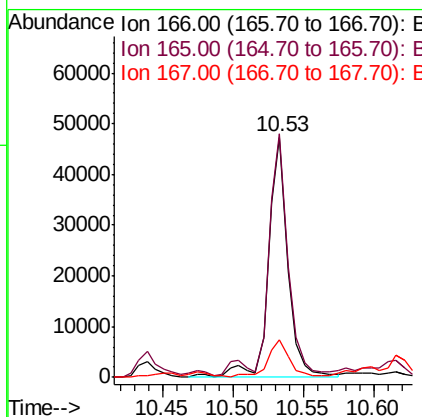
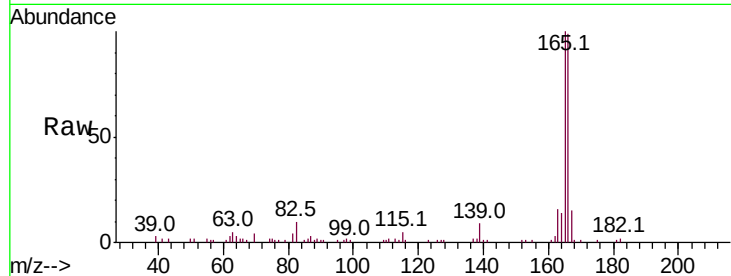
#58
 Fluorene
 Concen: 5.137 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF110817.D
 Acq: 16 Nov 2018 15:31

Instrument :
 BNA_F
 ClientSampleId :
 VTW-01(7-10)

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.5	78.6	117.8
167	15.5	10.8	16.2

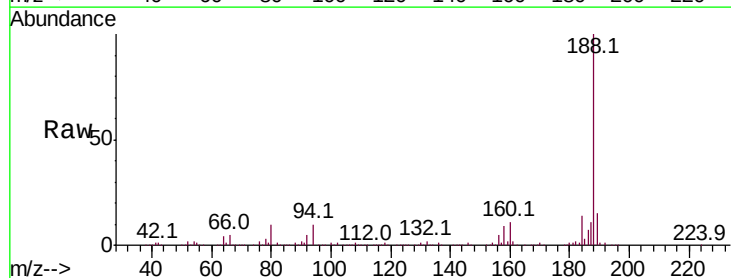
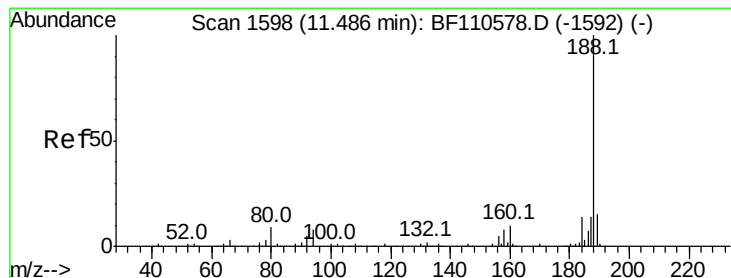
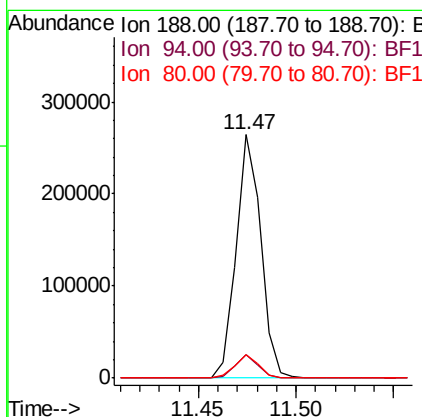
Manual Integrations
 APPROVED

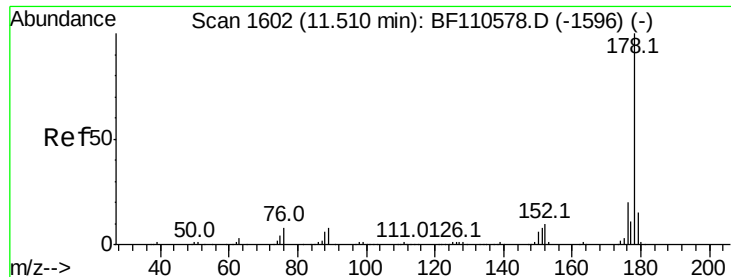
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110817.D
 Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	9.9	7.9	11.9





#71

Phenanthrene

Concen: 36.978 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110817.D

Acq: 16 Nov 2018 15:31

Instrument :

BNA_F

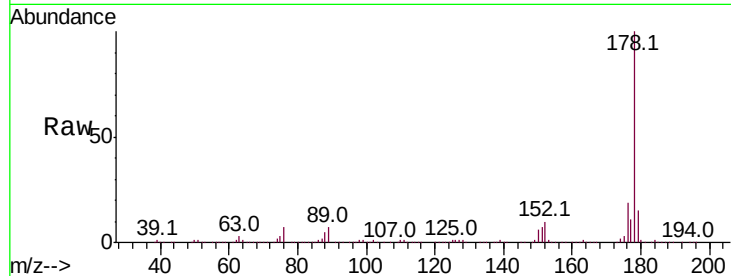
ClientSampleId :

VTW-01(7-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.1	12.5	18.7

Manual Integrations
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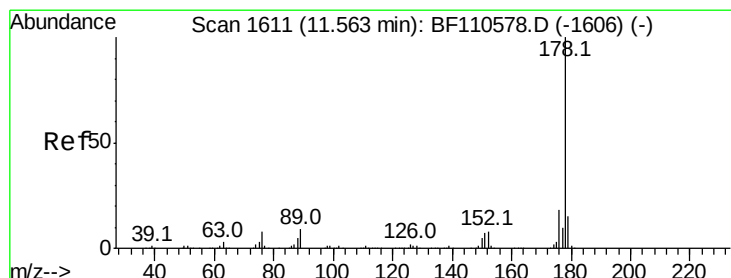
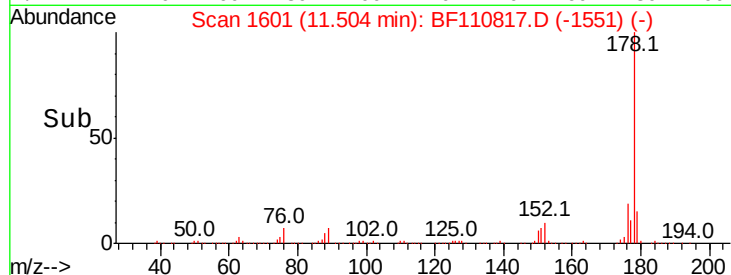
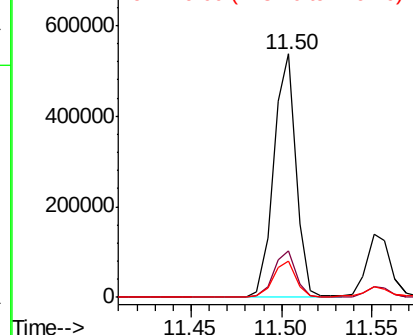
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 10.460 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF110817.D

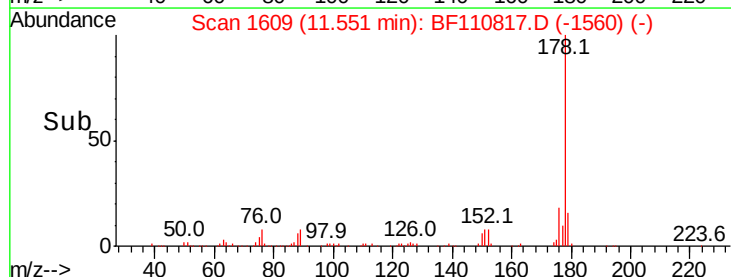
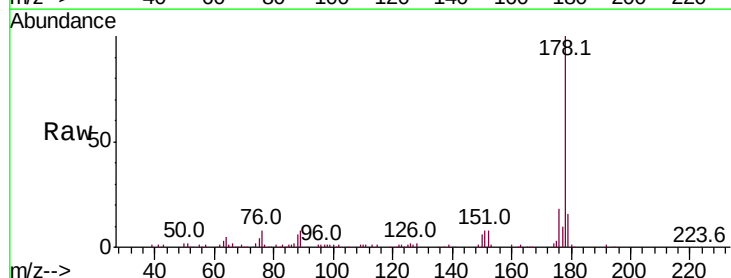
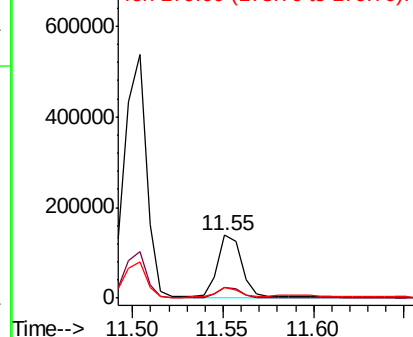
Acq: 16 Nov 2018 15:31

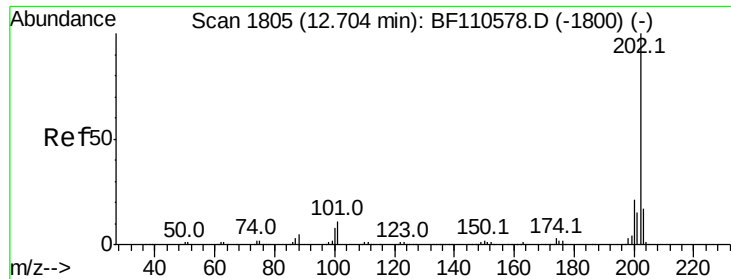
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.2	12.6	18.8

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 37.943 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110817.D

Acq: 16 Nov 2018 15:31

Instrument :

BNA_F

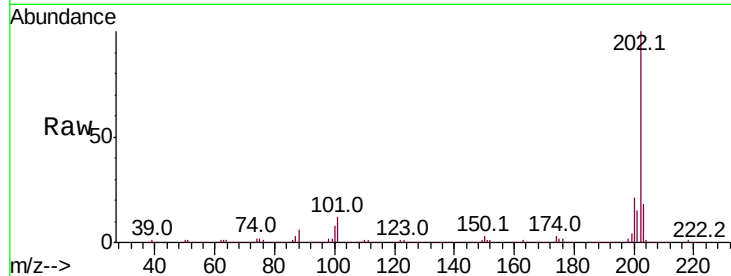
ClientSampleId :

VTW-01(7-10)

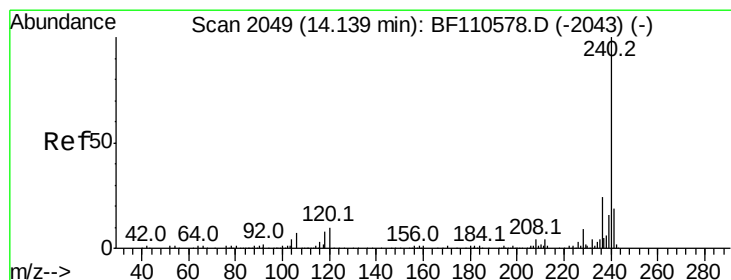
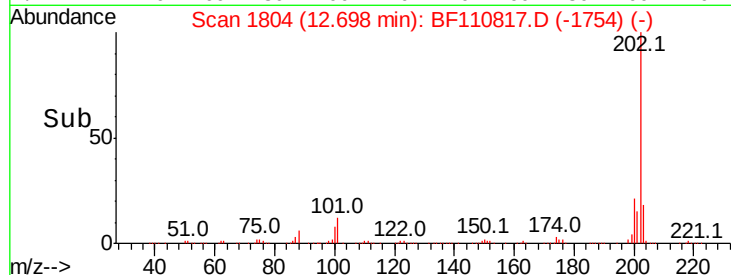
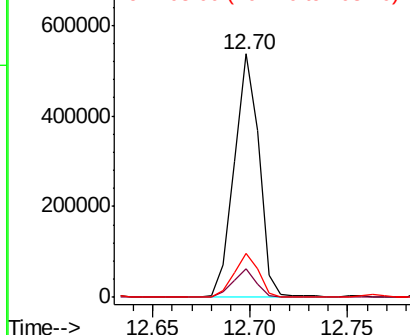
Tot Ion	Ratio	Resp	Lower	Upper
202	100	473997		
101	11.6	0.0	31.4	
203	17.9	0.0	37.7	

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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



#76

Chrysene-d12

Concen: 20.000 ng

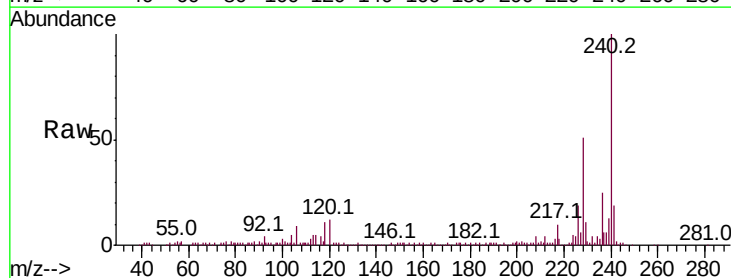
RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

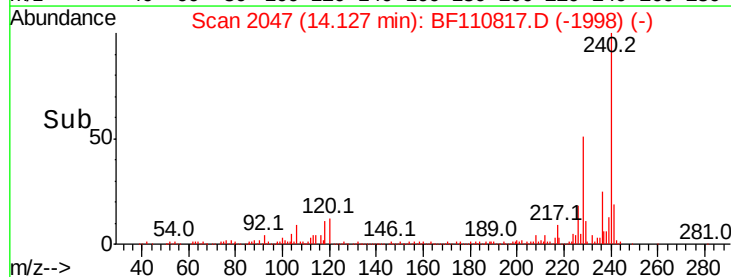
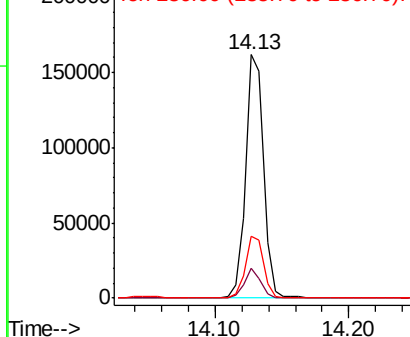
Lab File: BF110817.D

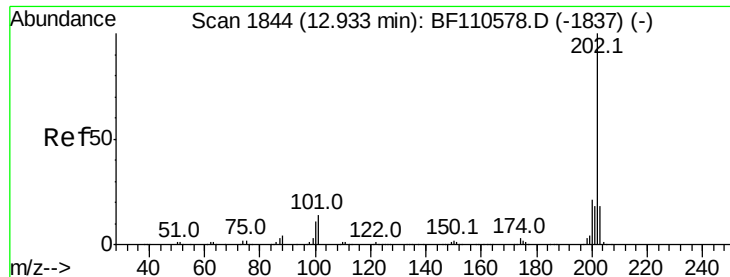
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	149088		
120	12.1	8.3	12.5	
236	25.2	21.2	31.8	



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





#78

Pvrene

Concen: 37.928 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110817.D

Acq: 16 Nov 2018 15:31

Instrument :

BNA_F

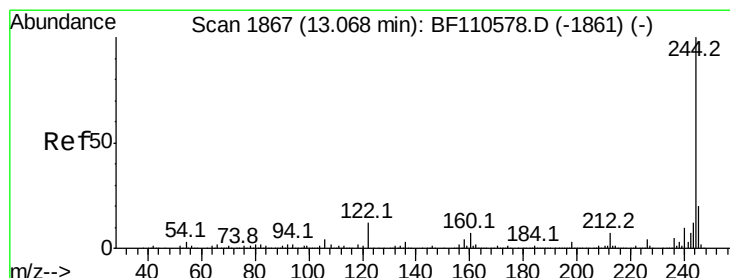
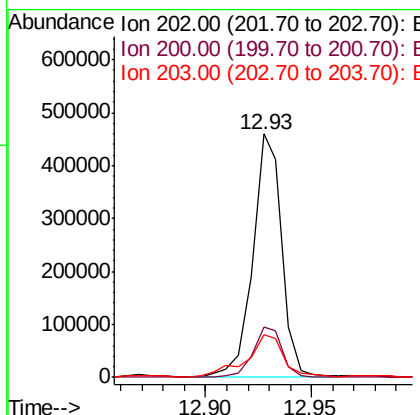
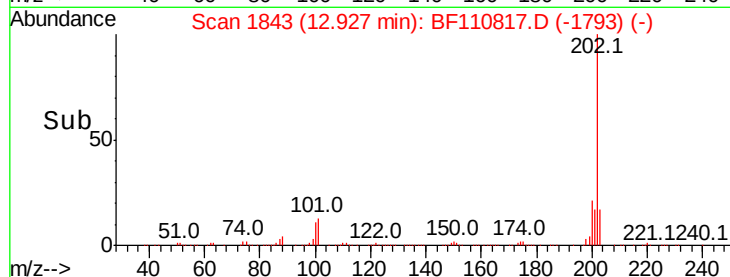
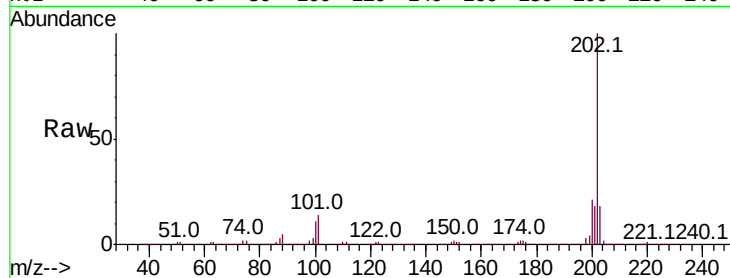
ClientSampleId :

VTW-01(7-10)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	17.8	26.6	
203	17.5	14.2	21.4	

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#79

Terphenyl-d14

Concen: 53.497 ng

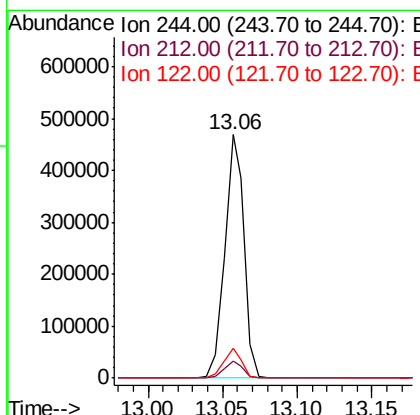
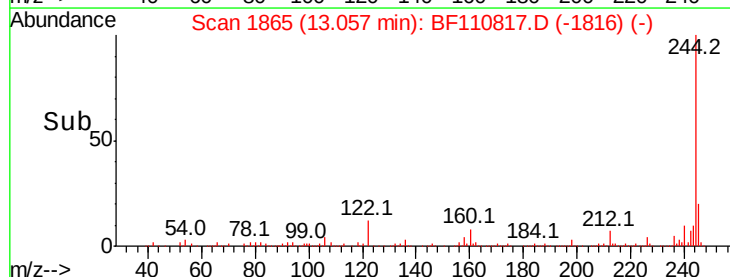
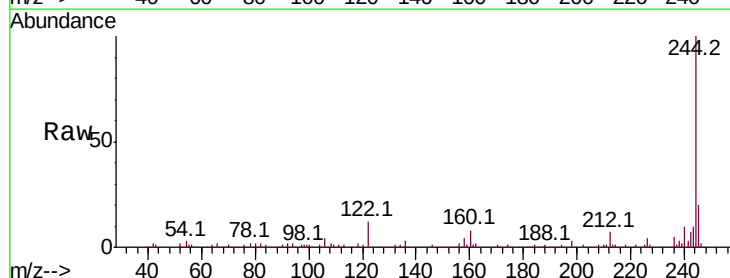
RT: 13.06 min Scan# 1865

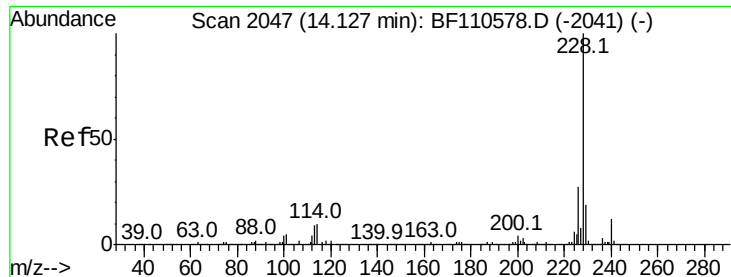
Delta R.T. -0.01 min

Lab File: BF110817.D

Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.0	5.8	8.8	
122	12.4	8.7	13.1	





#81

Benzo(a)anthracene

Concen: 22.896 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110817.D

Acq: 16 Nov 2018 15:31

Instrument :

BNA_F

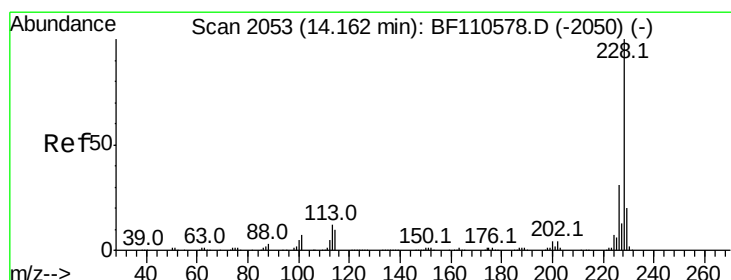
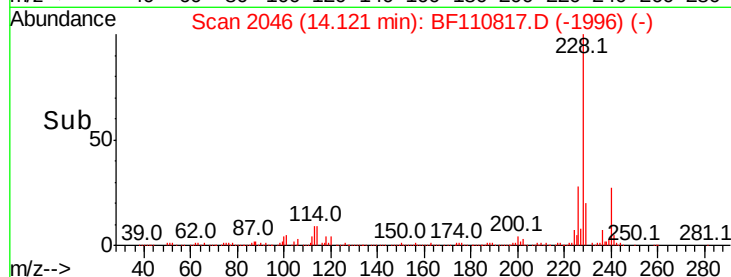
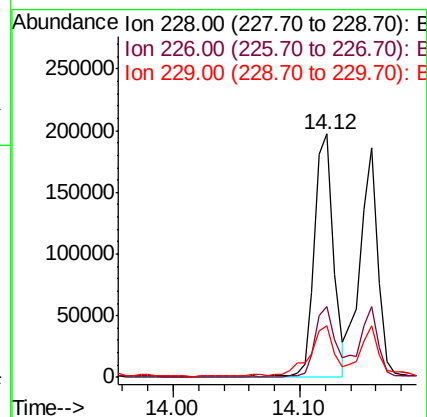
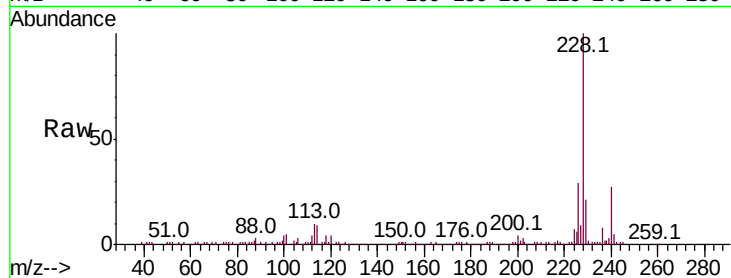
ClientSampleId :

VTW-01(7-10)

Tot Ion:	228	Resp:	204026
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.1	33.1
229	21.0	15.6	23.4

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#83

Chrysene

Concen: 21.288 ng

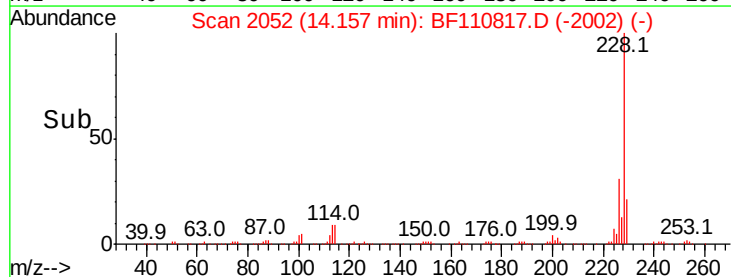
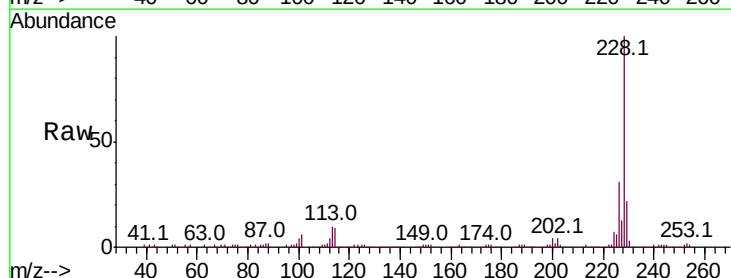
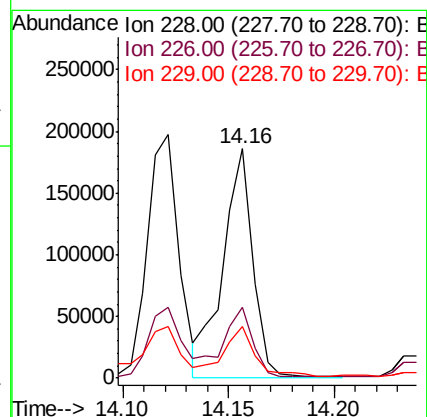
RT: 14.16 min Scan# 2052

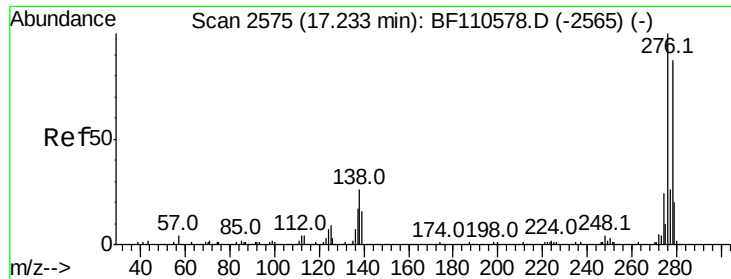
Delta R.T. -0.01 min

Lab File: BF110817.D

Acq: 16 Nov 2018 15:31

Tgt Ion:	228	Resp:	180732
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.7	37.1
229	22.3	15.9	23.9





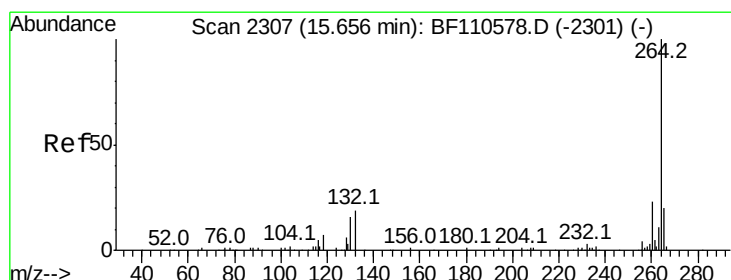
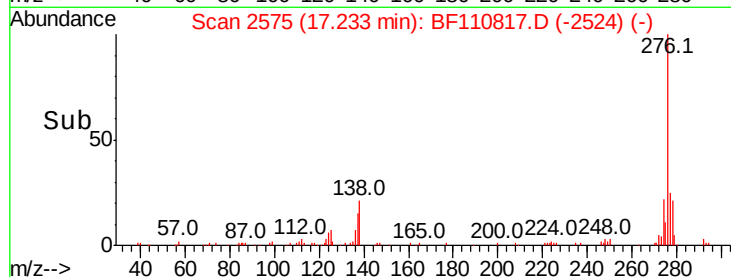
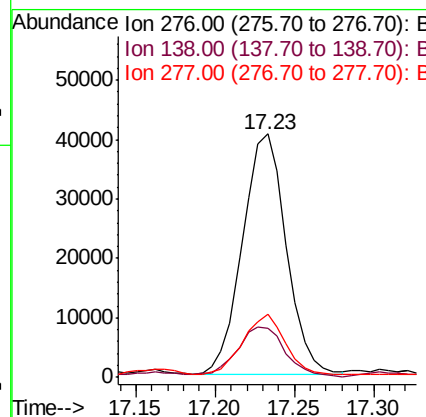
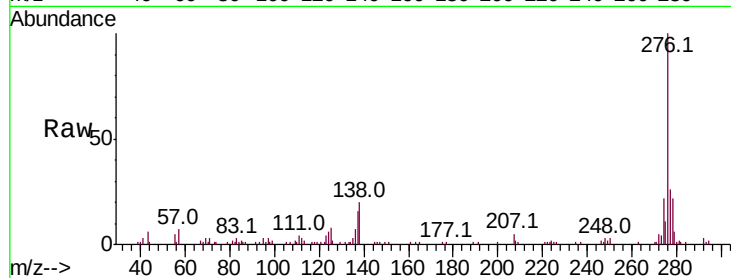
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.744 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.00 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.5	27.7
277	24.2	20.0	30.0

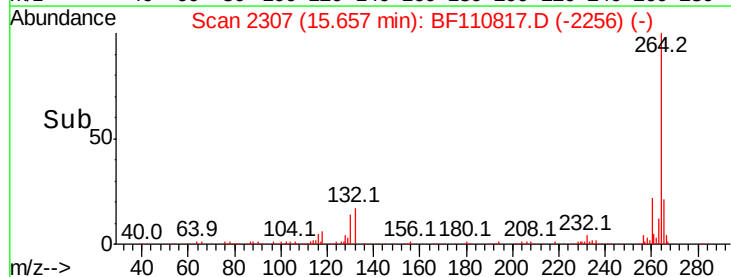
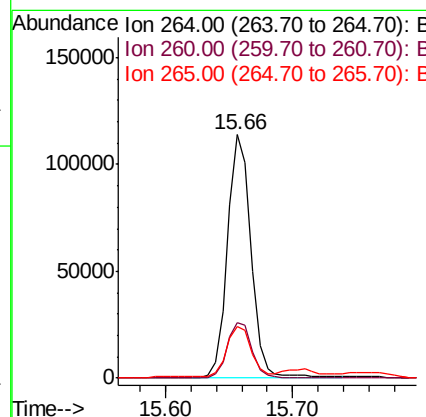
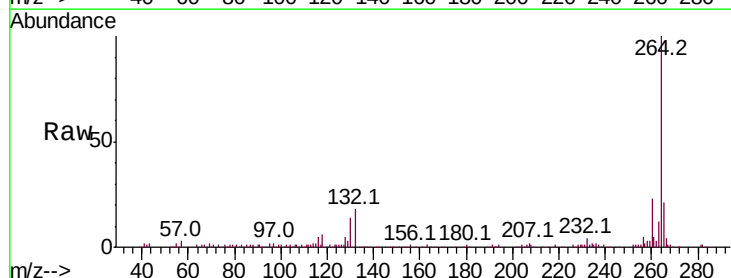
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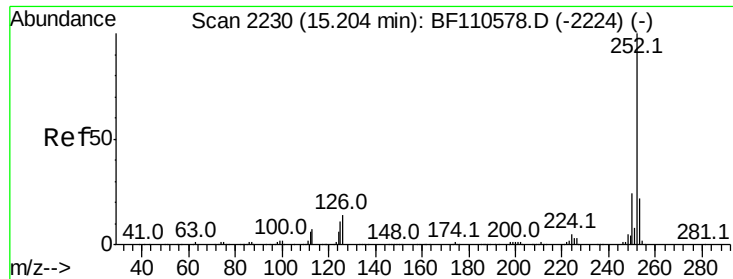
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.7	28.1
265	21.4	16.7	25.1





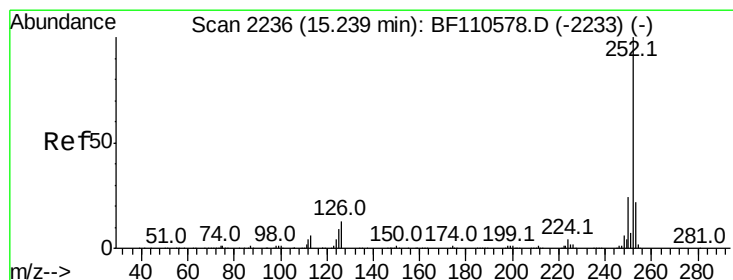
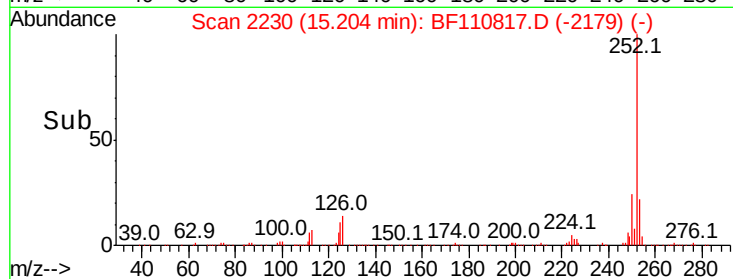
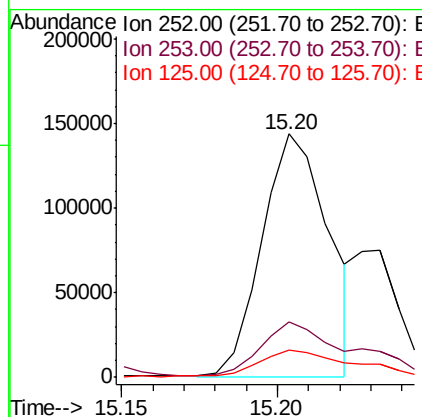
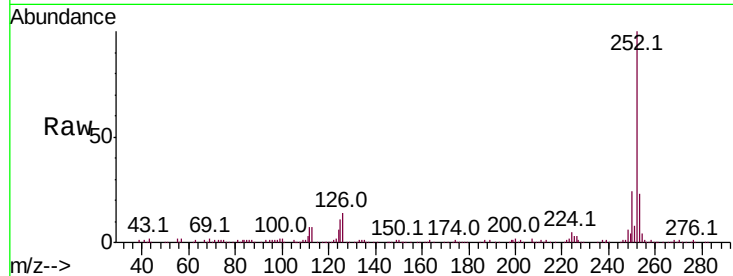
#88
Benzo(b)fluoranthene
Concen: 24.490 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.4	8.2	12.4

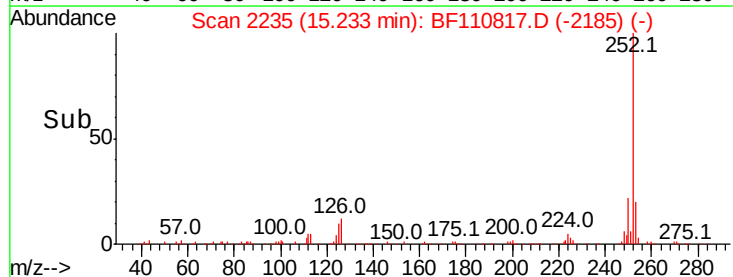
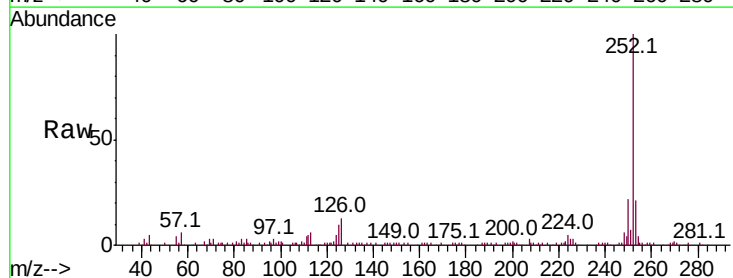
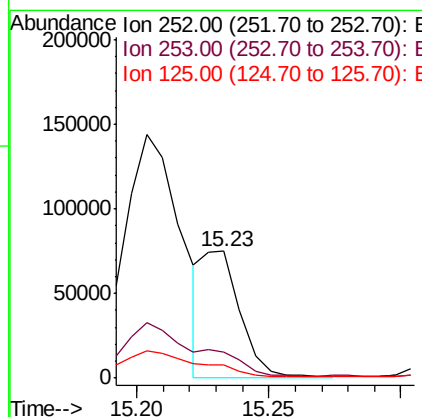
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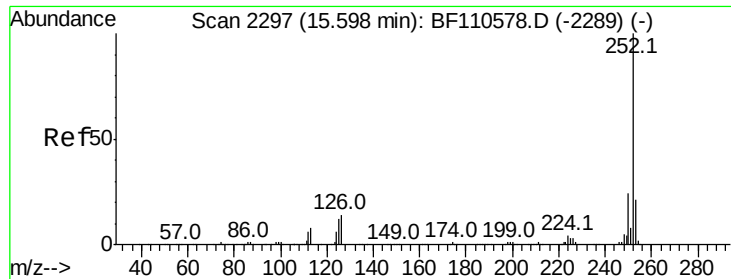
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#89
Benzo(k)fluoranthene
Concen: 8.642 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.2	25.8
125	10.3	7.4	11.0





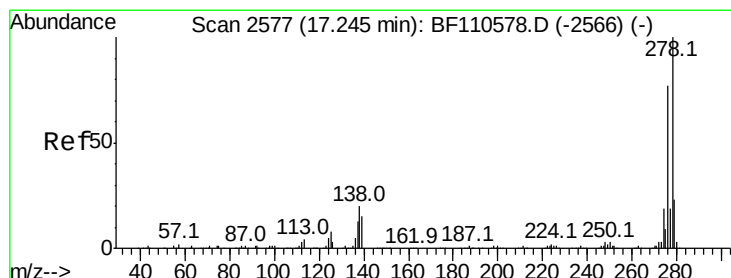
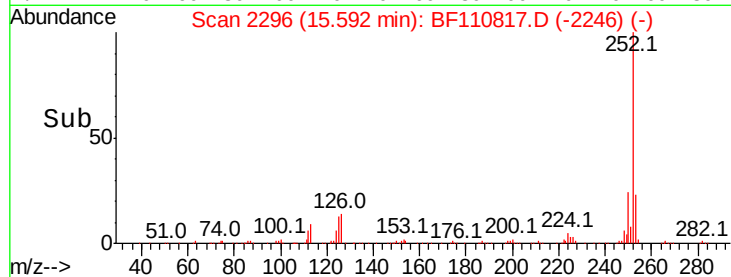
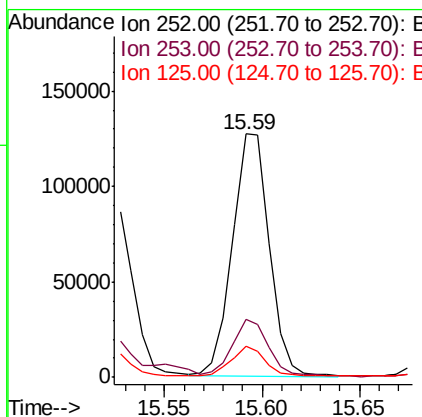
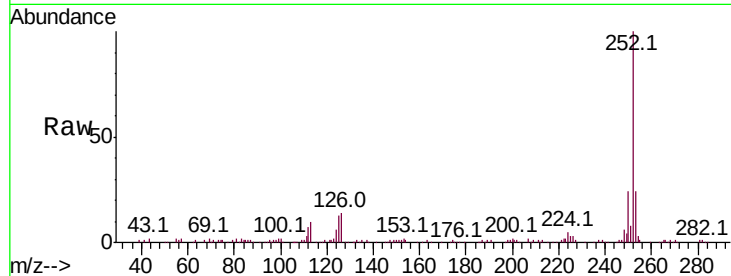
#90
Benzo(a)pyrene
Concen: 20.902 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	13.0	9.0	13.6

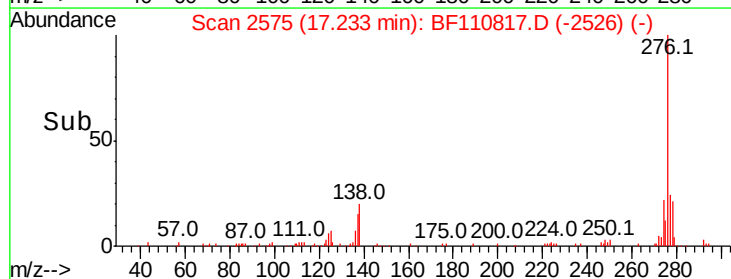
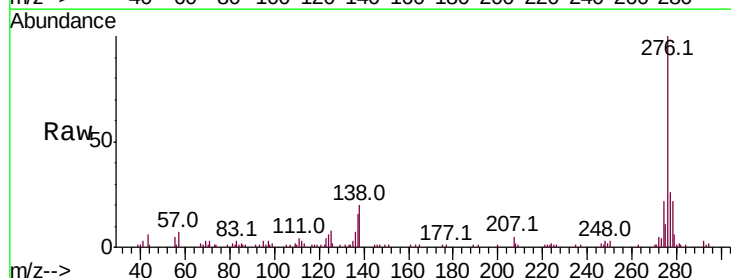
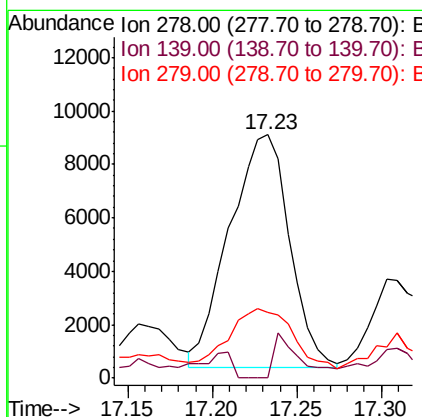
Manual Integrations
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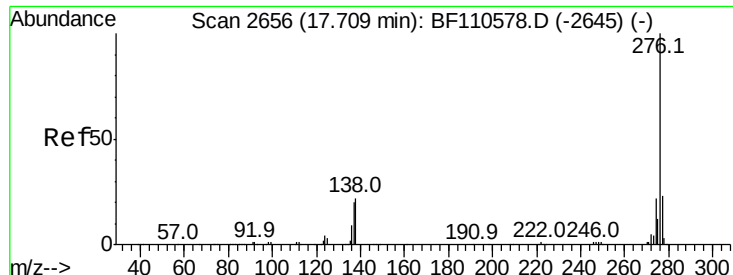
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 3.177 ng m
RT: 17.23 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF110817.D
Acq: 16 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	27.2	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 11.339 ng
 RT: 17.71 min Scan# 2656
 Delta R.T. 0.00 min
 Lab File: BF110817.D
 Acq: 16 Nov 2018 15:31

Instrument :
 BNA_F
 ClientSampleId :
 VTW-01(7-10)

Tot Ion:	276	Resp:	76048
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.8	28.2
138	21.0	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 11/19/2018 11:55:46 AM

