

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
 Data File : BF110758.D
 Acq On : 14 Nov 2018 9:41
 Operator : JU/SJ
 Sample : J5908-27DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SR-6-SDL

Manual Integrations
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Sohil
 11/14/2018 1:52:34 PM

Quant Time: Nov 14 10:12:31 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	6.95	152	70873	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	282076	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	105981	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	173540	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	161548	20.00	ng	-0.01
87) Perylene-d12	15.65	264	107156	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	44741	10.25	ng	0.00
7) Phenol-d6	6.57	99	54706	9.80	ng	0.00
23) Nitrobenzene-d5	7.52	82	31137	6.36	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	7833	7.34	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	52270	7.04	ng	0.00
79) Terphenyl-d14	13.06	244	45188	5.24	ng	-0.01
Target Compounds						
71) Phenanthrene	11.50	178	120497	12.960	ng	99
72) Anthracene	11.56	178	46292	4.936	ng	96
75) Fluoranthene	12.70	202	410188	44.006	ng	98
78) Pyrene	12.93	202	401268	32.259	ng	98
81) Benzo(a)anthracene	14.12	228	225110	23.313	ng	99
83) Chrysene	14.16	228	185163	20.128	ng	99
86) Indeno(1,2,3-cd)pyrene	17.23	276	59404	8.999	ng	98
88) Benzo(b)fluoranthene	15.20	252	191938m	29.941	ng	
89) Benzo(k)fluoranthene	15.23	252	50358m	7.950	ng	
90) Benzo(a)pyrene	15.59	252	119073	20.444	ng	98
91) Dibenzo(a,h)anthracene	17.22	278	18839m	3.822	ng	
92) Benzo(a,h,i)perylene	17.70	276	54326	11.109	ng	99

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

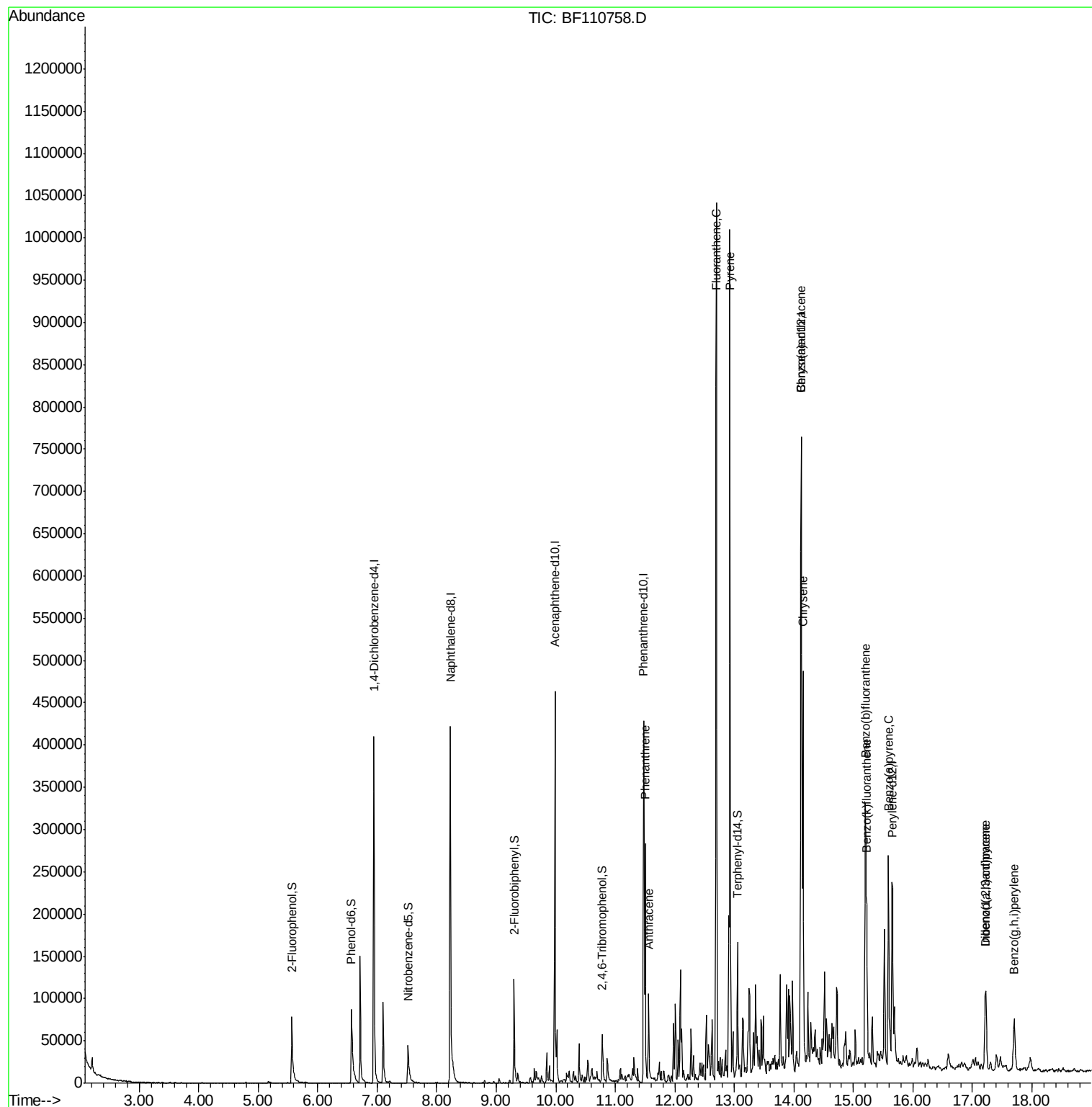
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110758.D
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Misc :
ALS Vial : 39 Sample Multiplier: 1

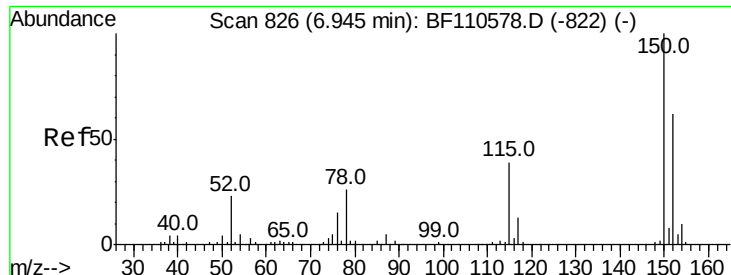
Instrument :
BNA_F
ClientSampleId :
SR-6-SDL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

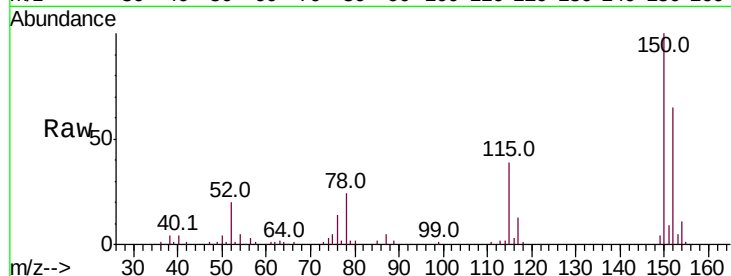
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampled :
SR-6-SDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.7	184.1
115	59.2	49.1	73.7

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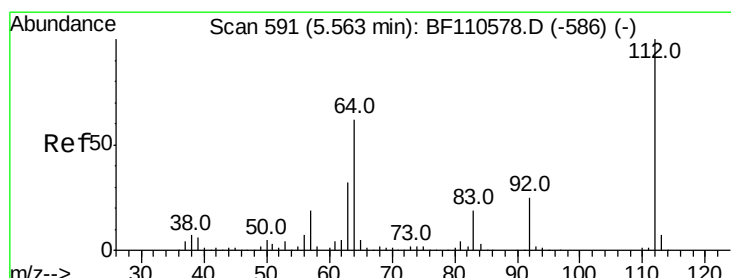
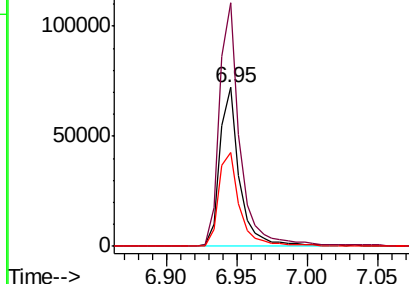
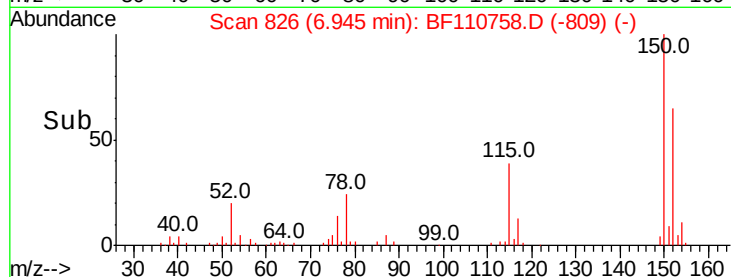


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

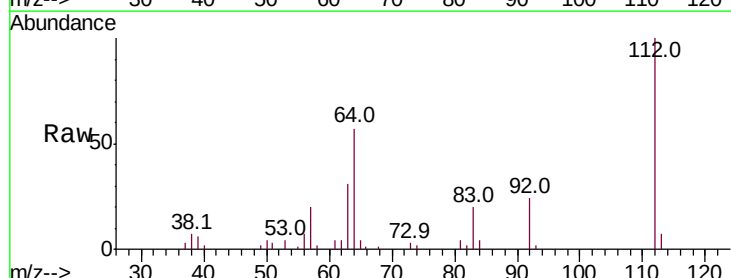
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.254 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	44.1	66.1
63	31.1	23.7	35.5

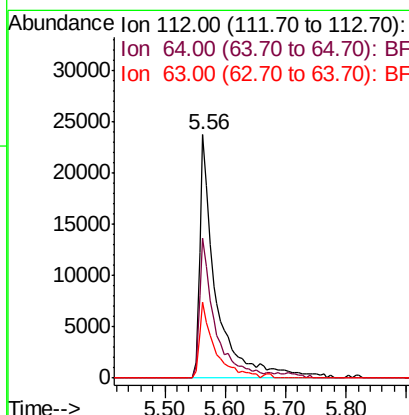
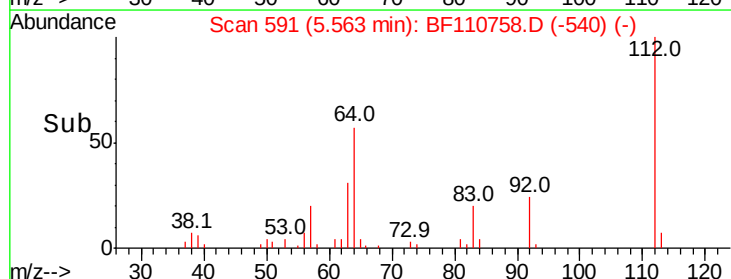


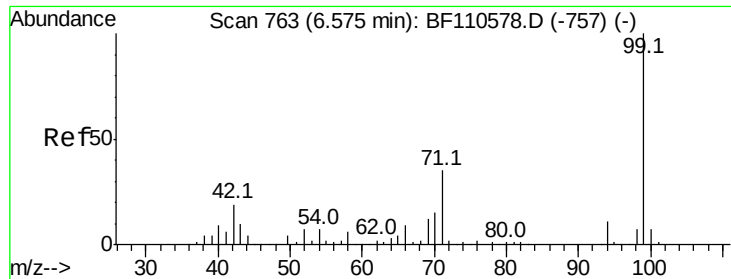
Abundance

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: 9.805 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Instrument :

BNA_F

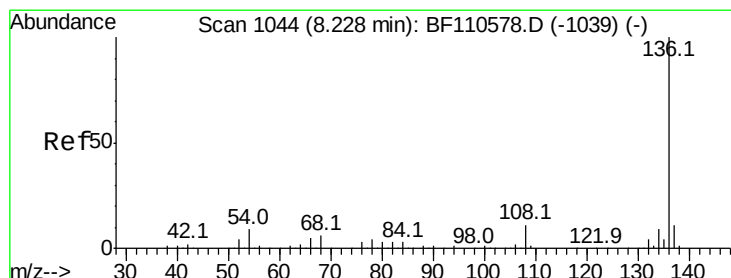
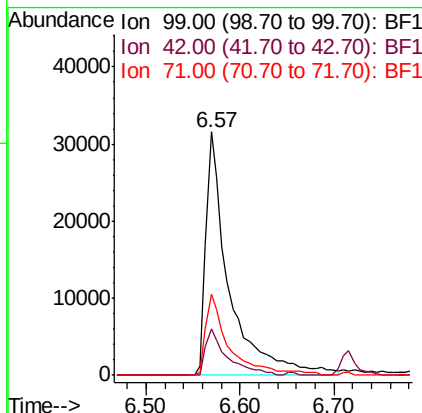
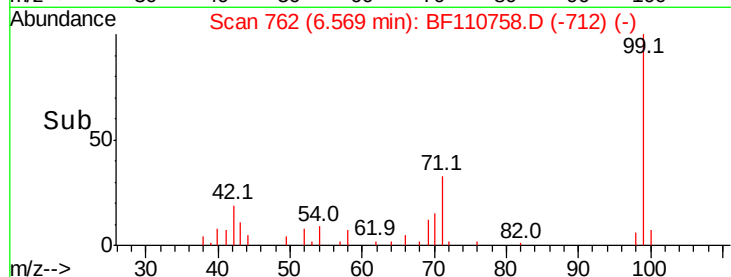
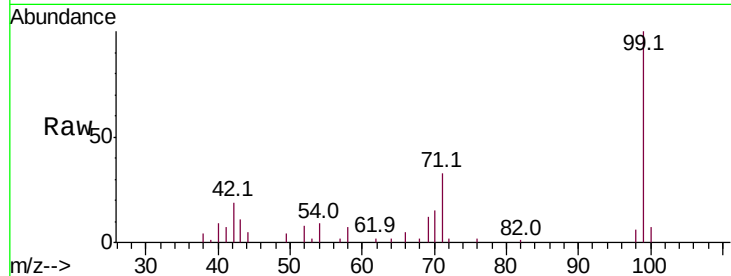
ClientSampleId :

SR-6-SDL

Tot Ion:	99	Resp:	54706
Ion Ratio	Lower	Upper	
99	100		
42	19.0	15.8	23.6
71	33.5	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

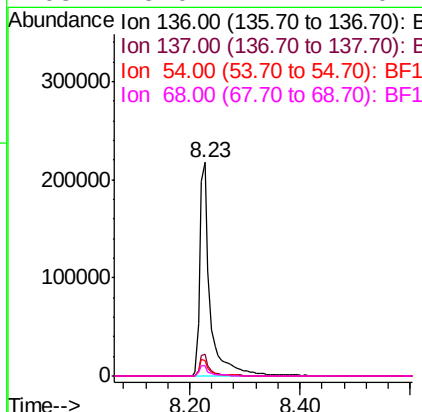
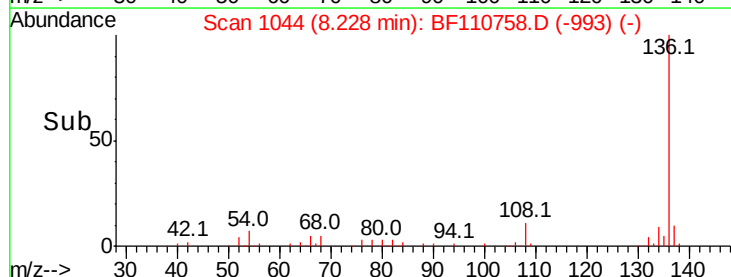
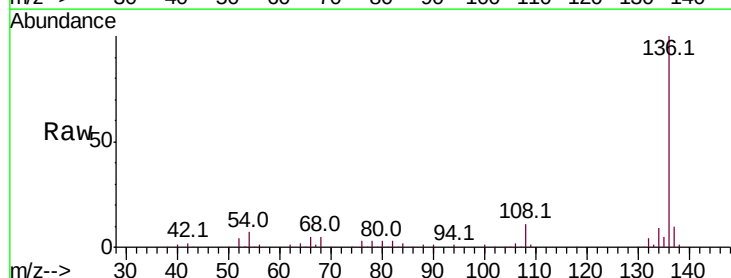
RT: 8.23 min Scan# 1044

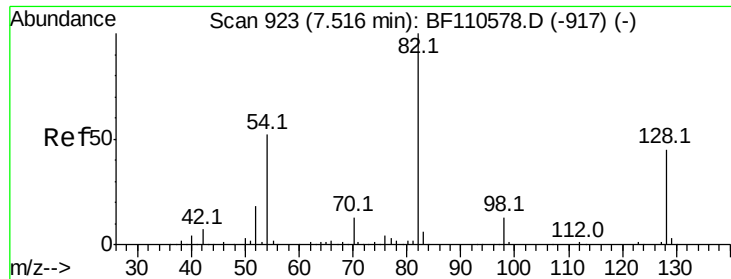
Delta R.T. 0.00 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Tgt Ion:	136	Resp:	282076
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.8	13.2
54	7.1	5.4	8.2
68	5.0	4.2	6.2





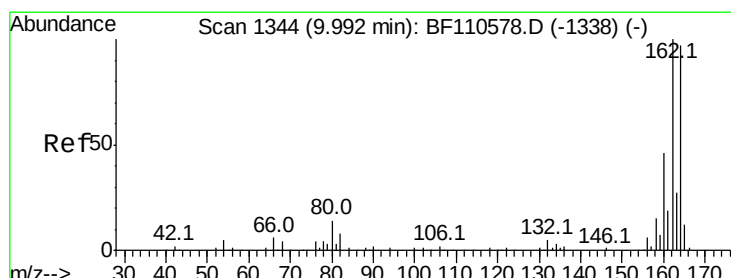
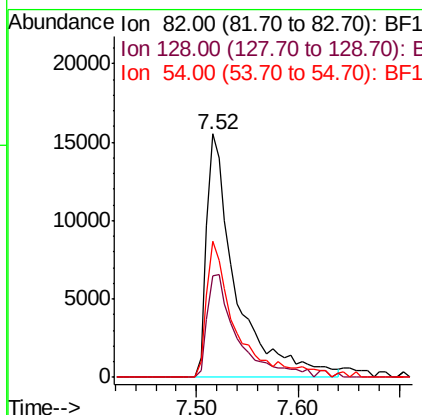
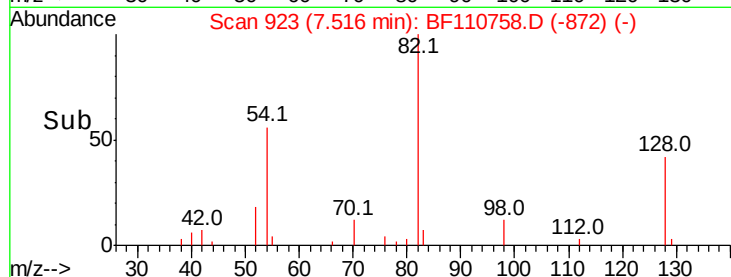
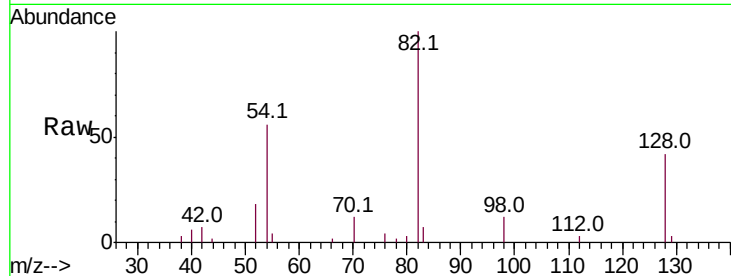
#23
Nitrobenzene-d5
Concen: 6.357 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SR-6-SDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.2	51.2
54	56.1	38.6	58.0

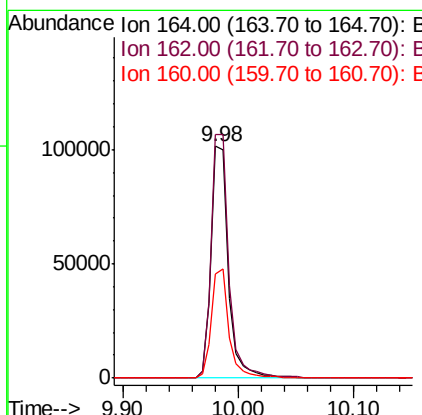
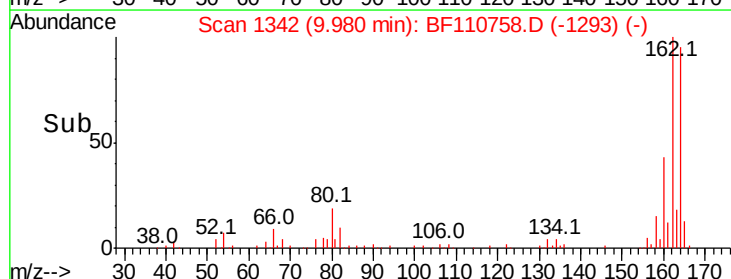
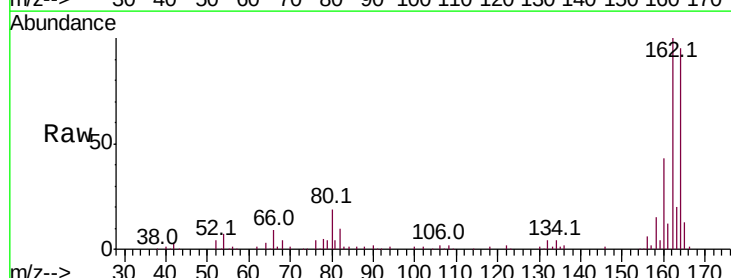
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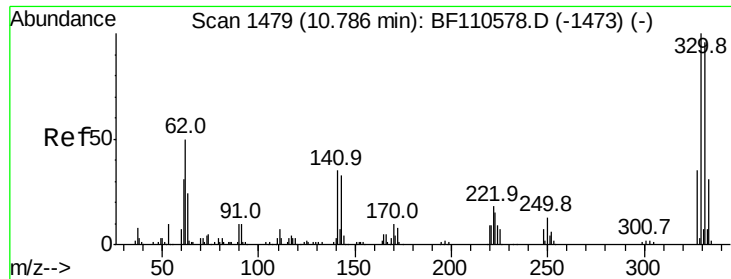
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.0	124.6
160	44.8	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 7.335 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Instrument :

BNA_F

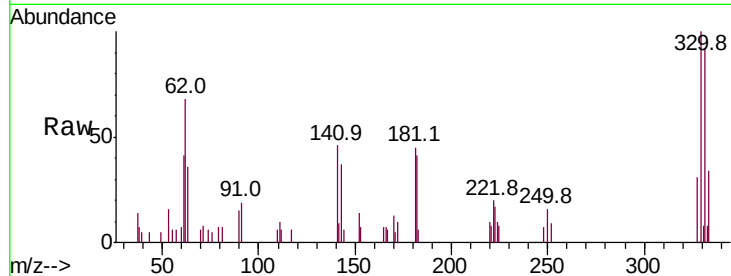
ClientSampled :

SR-6-SDL

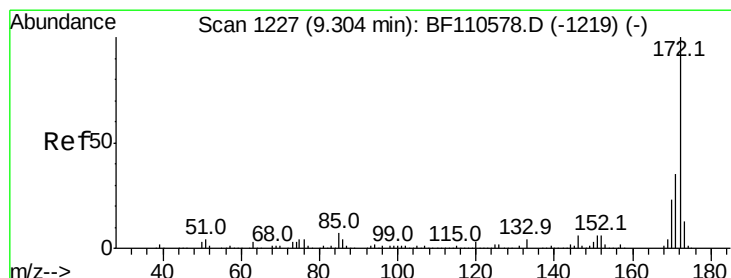
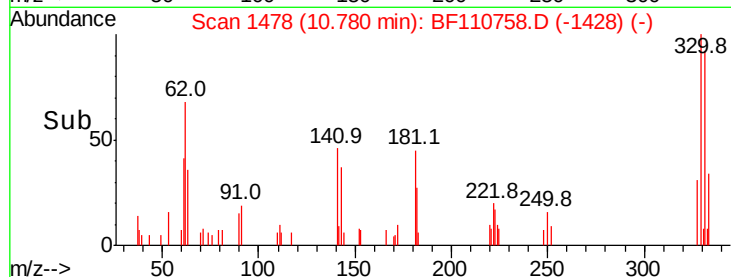
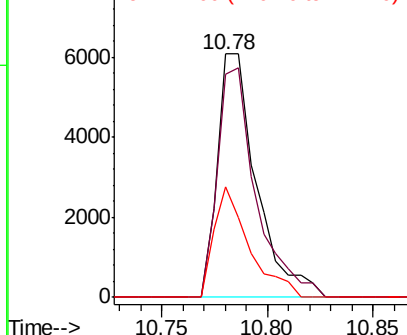
Tot Ion:	330	Resp:	7833
Ion Ratio	Lower	Upper	
330	100		
332	93.2	77.1	115.7
141	41.0	27.0	40.4#

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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: 7.044 ng

RT: 9.30 min Scan# 1226

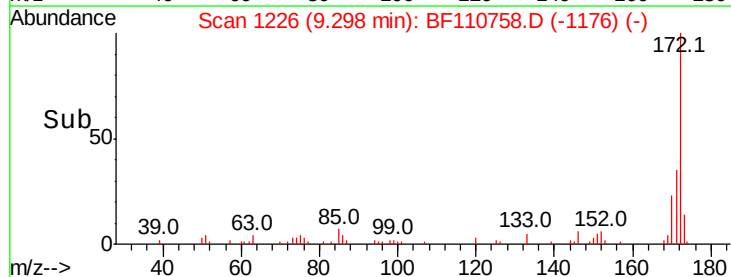
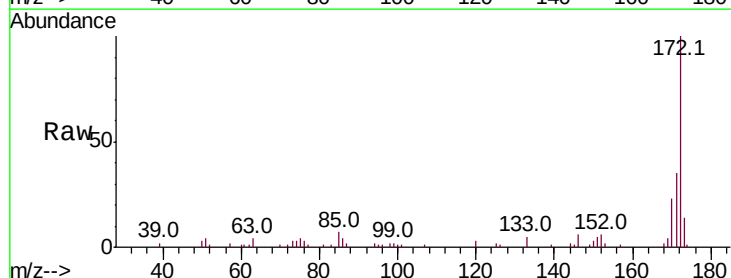
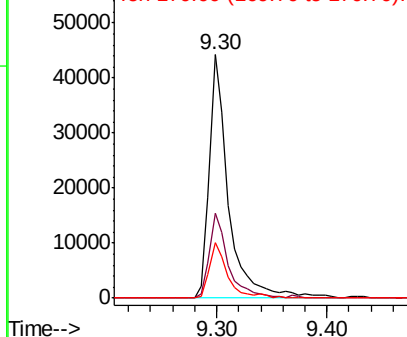
Delta R.T. -0.01 min

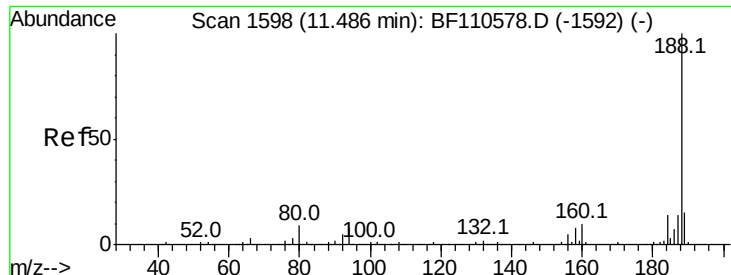
Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Tgt Ion:	172	Resp:	52270
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.6	43.0
170	22.8	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





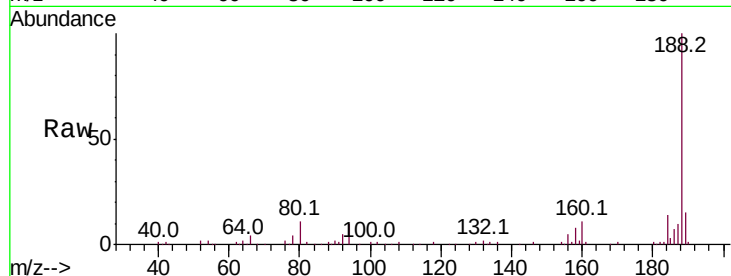
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SR-6-SDL

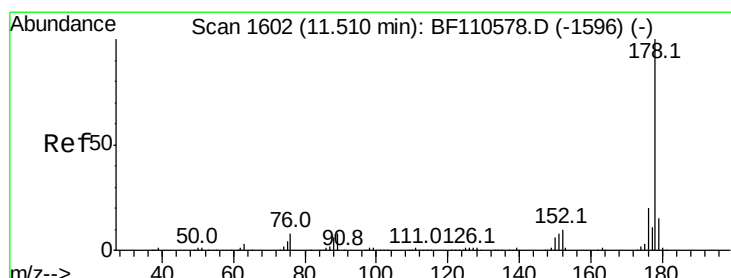
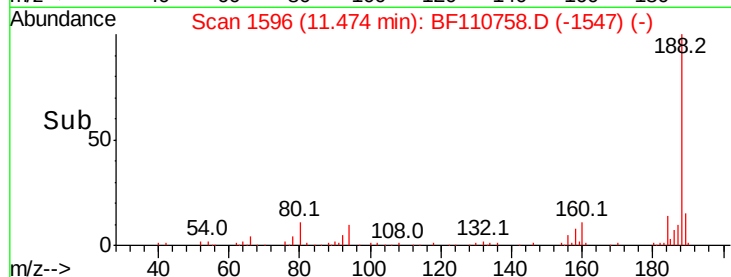
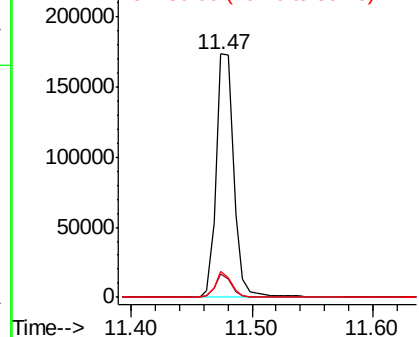
Tot Ion	Ratio	Resp	Lower	Upper
188	100	173540		
94	9.5	7.2	10.8	
80	10.7	7.9	11.9	

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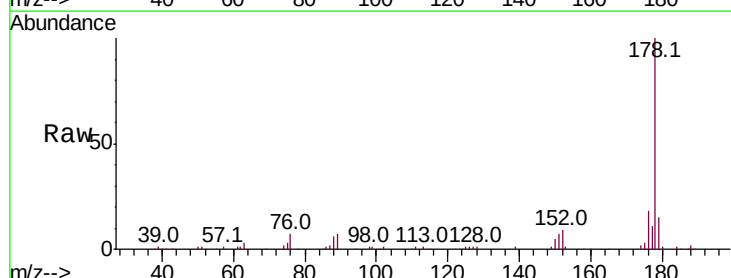


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

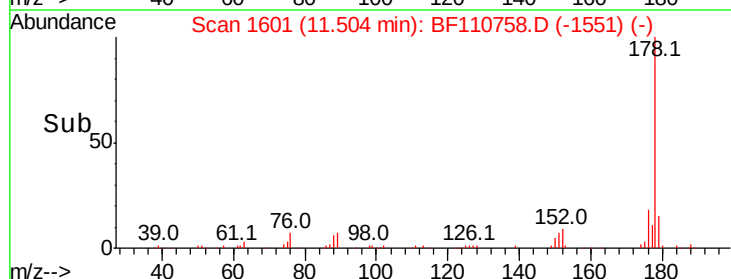
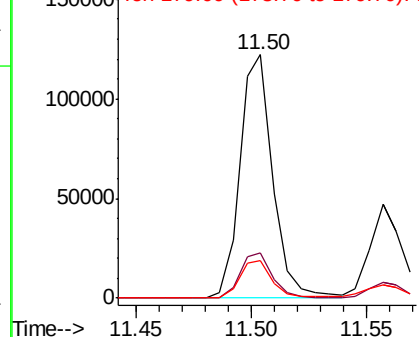


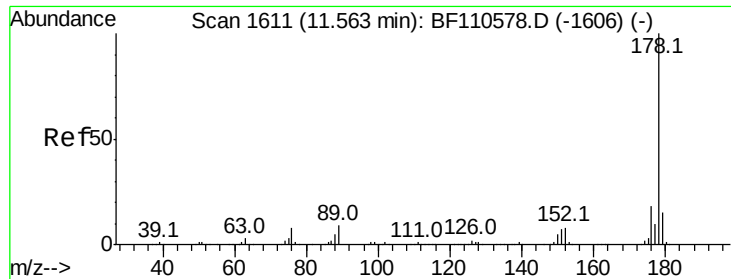
#71
Phenanthrene
Concen: 12.960 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	120497		
176	18.5	15.5	23.3	
179	15.4	12.5	18.7	



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





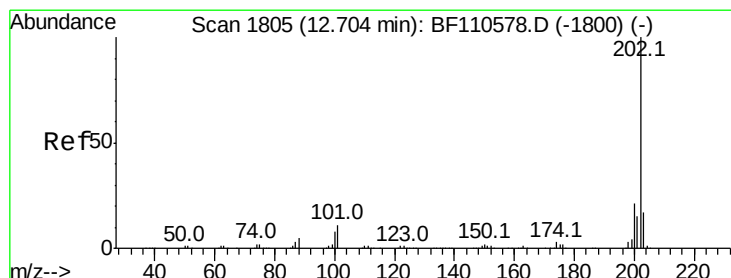
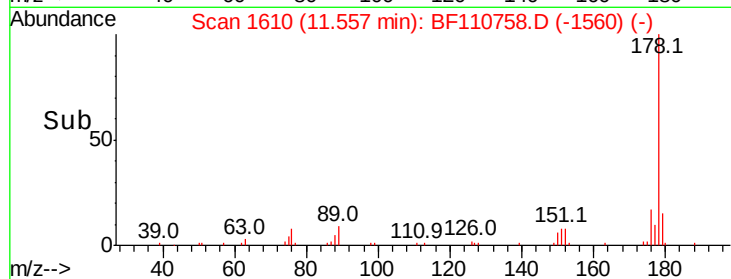
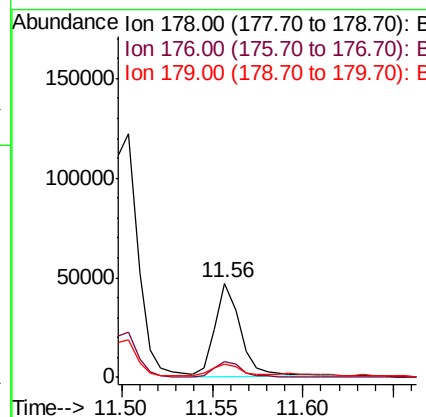
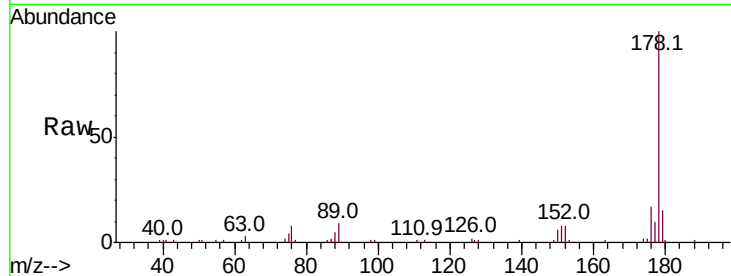
#72
 Anthracene
 Concen: 4.936 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Instrument :
 BNA_F
 ClientSampled :
 SR-6-SDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.4	23.2
179	14.6	12.6	18.8

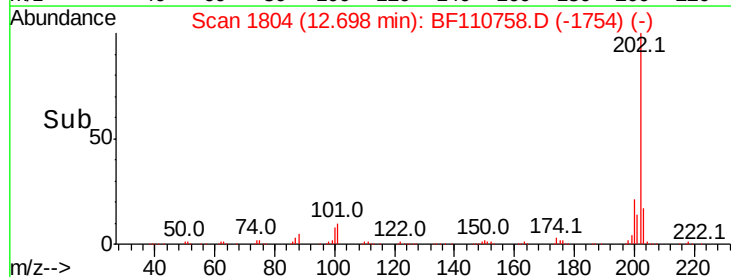
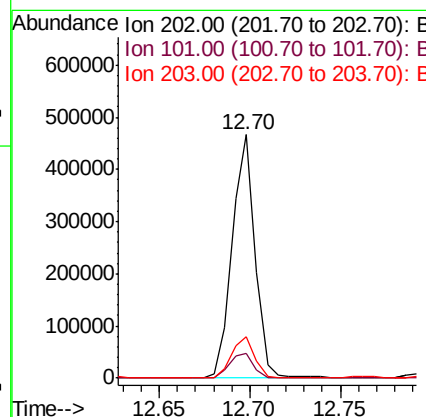
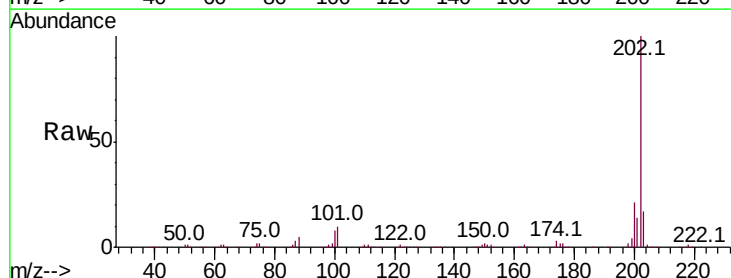
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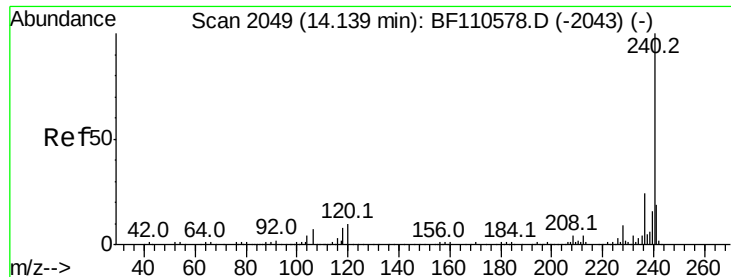
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#75
 Fluoranthene
 Concen: 44.006 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.4
203	17.1	0.0	37.7





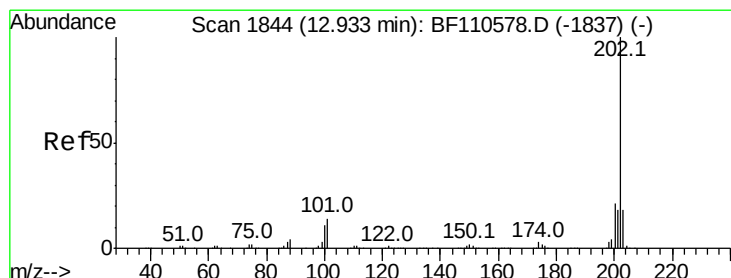
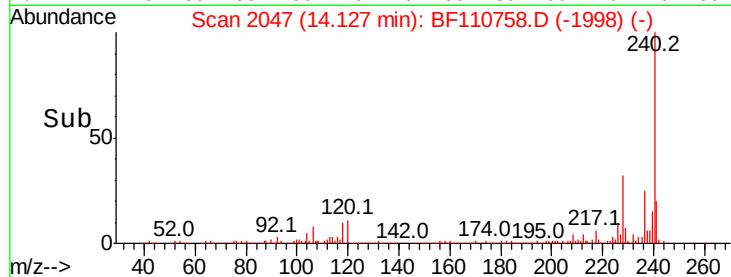
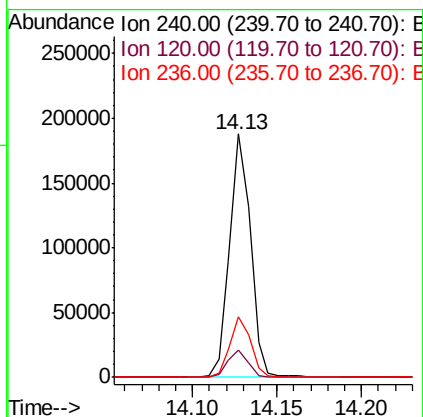
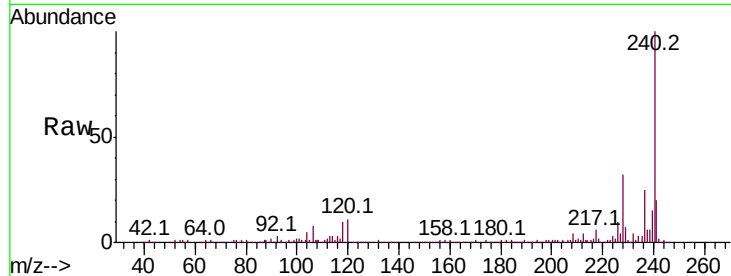
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampled :
SR-6-SDL

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.3	8.3	12.5
236	24.9	21.2	31.8

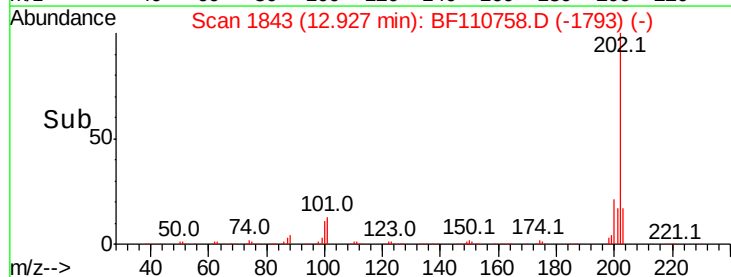
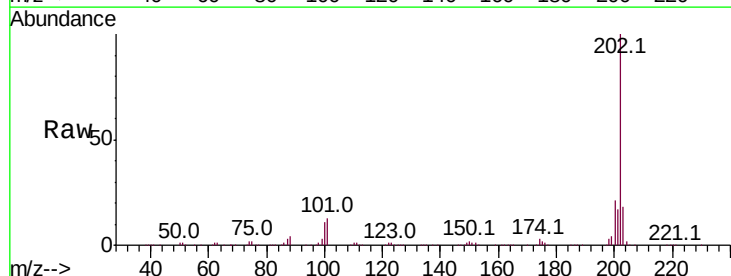
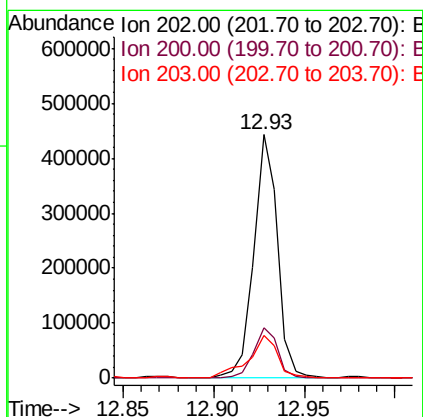
Manual Integrations
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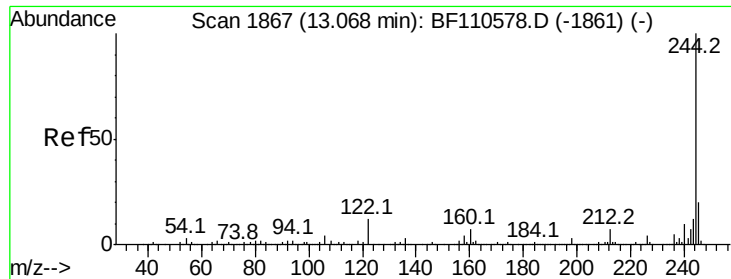
Sohil
11/14/2018 1:52:34 PM



#78
Pyrene
Concen: 32.259 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	17.8	26.6
203	17.5	14.2	21.4





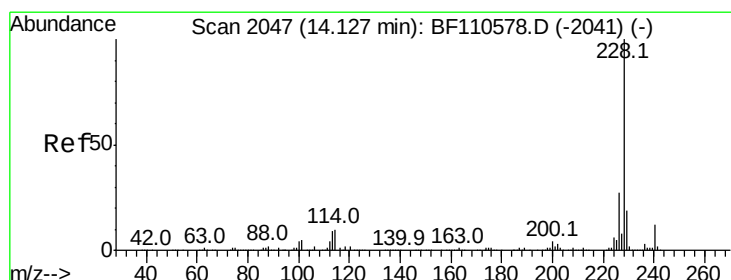
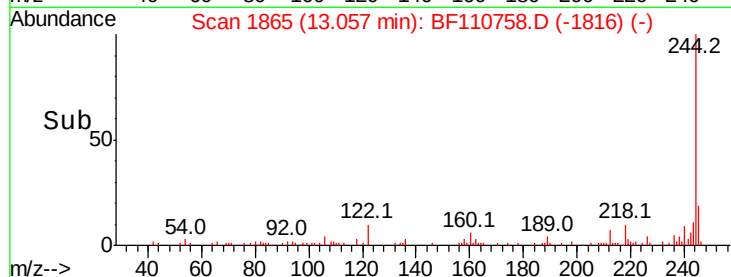
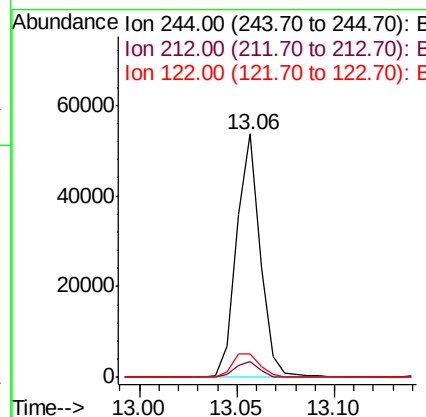
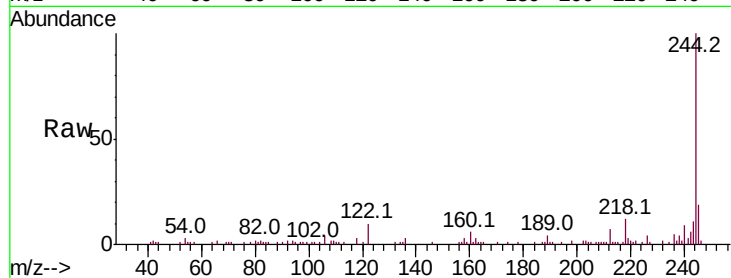
#79
 Terphenyl-d14
 Concen: 5.238 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 SR-6-SDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	9.8	8.7	13.1

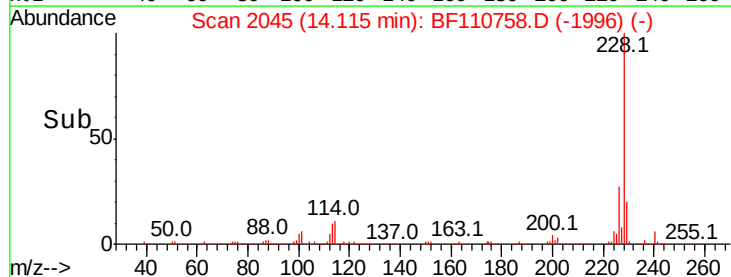
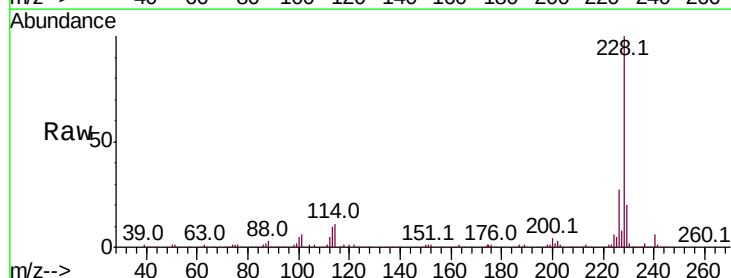
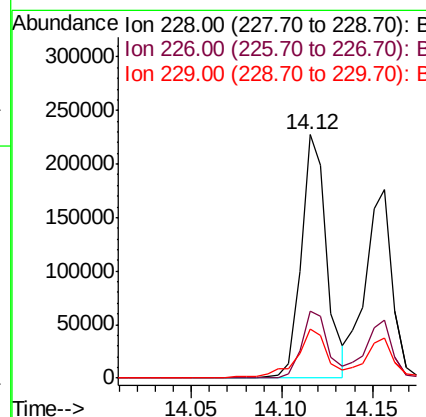
Manual Integrations
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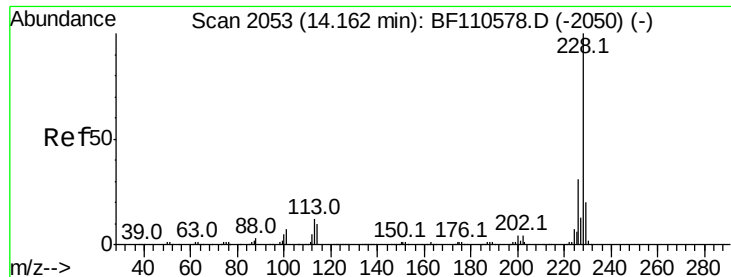
Sohil
 11/14/2018 1:52:34 PM



#81
 Benzo(a)anthracene
 Concen: 23.313 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF110758.D
 Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	20.1	15.6	23.4





#83

Chrysene

Concen: 20.128 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Instrument :

BNA_F

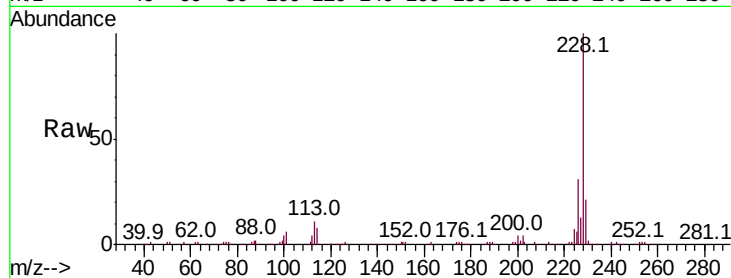
ClientSampleId :

SR-6-SDL

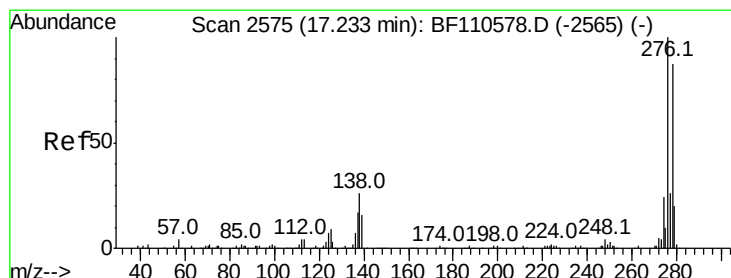
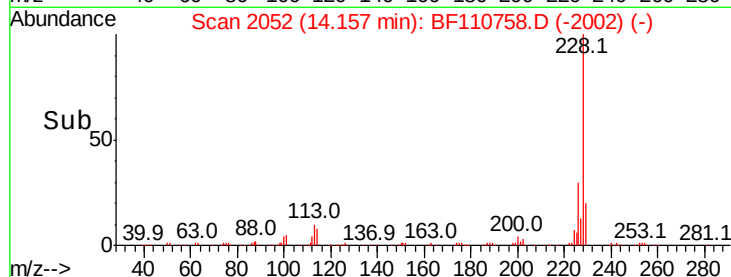
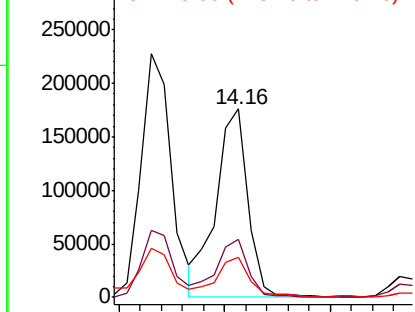
Tot Ion:	228	Resp:	185163
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.7	37.1
229	21.3	15.9	23.9

Manual Integrations
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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



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.999 ng

RT: 17.23 min Scan# 2574

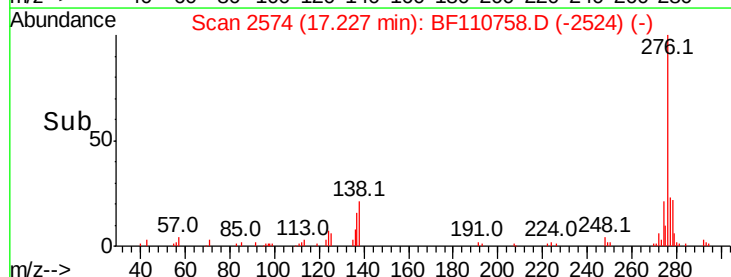
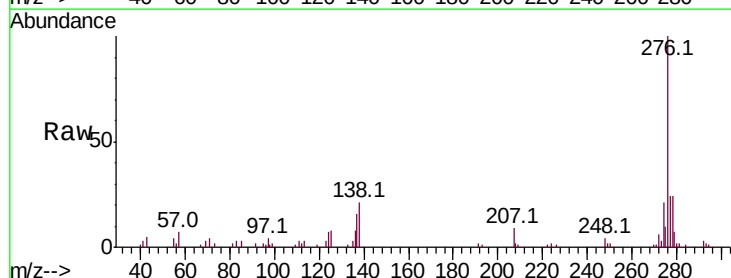
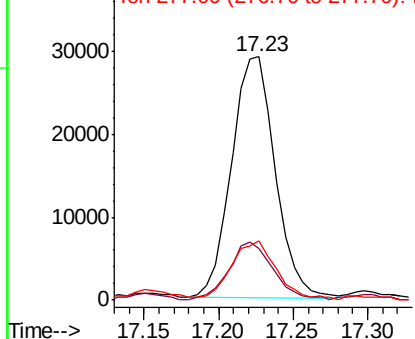
Delta R.T. -0.01 min

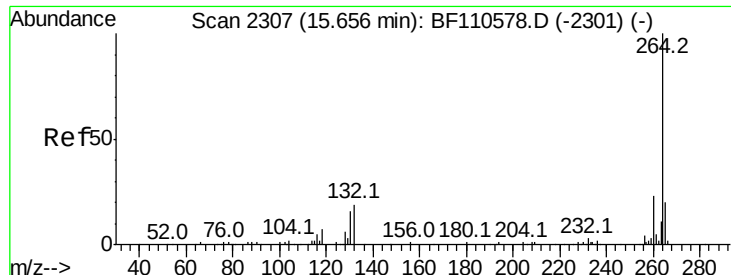
Lab File: BF110758.D

Acq: 14 Nov 2018 9:41

Tgt Ion:	276	Resp:	59404
Ion Ratio	Lower	Upper	
276	100		
138	24.2	18.5	27.7
277	25.5	20.0	30.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





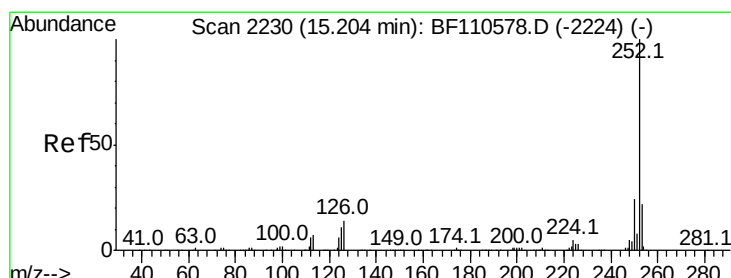
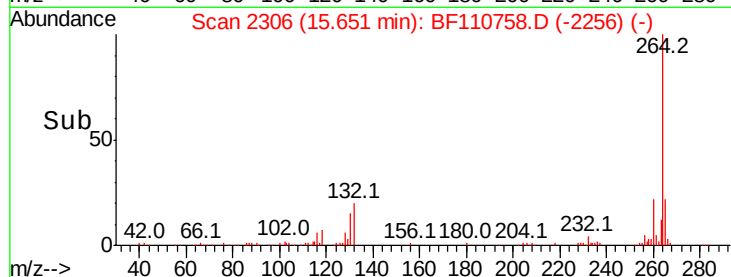
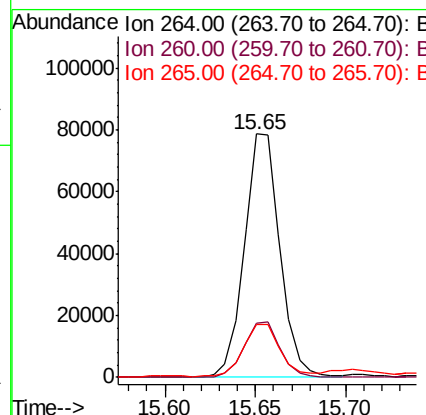
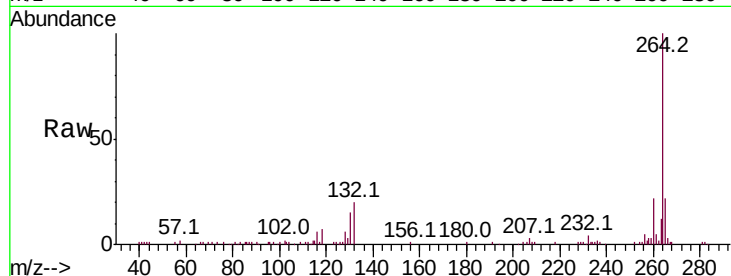
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.65 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampled :
SR-6-SDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.7	28.1
265	21.8	16.7	25.1

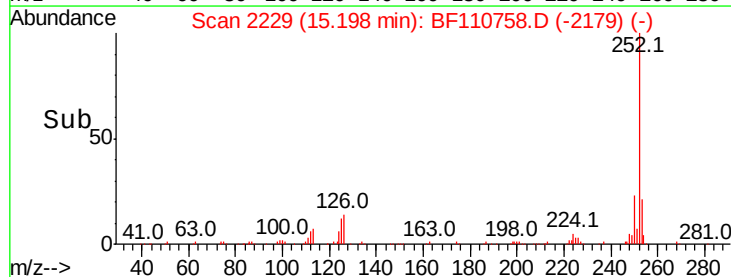
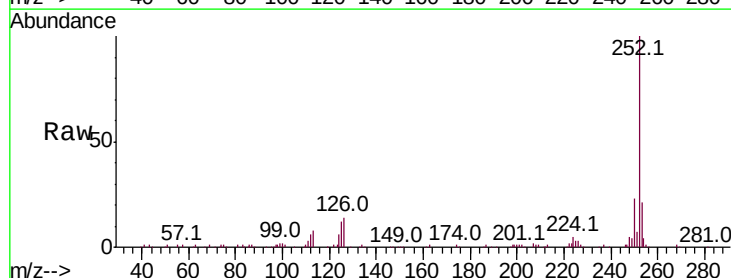
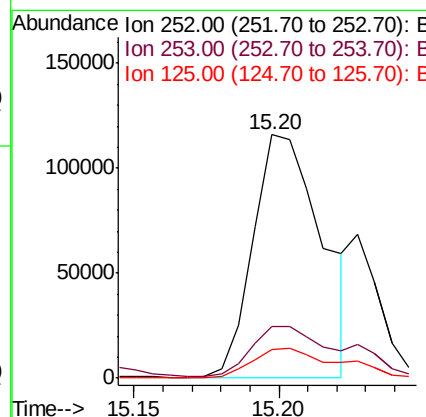
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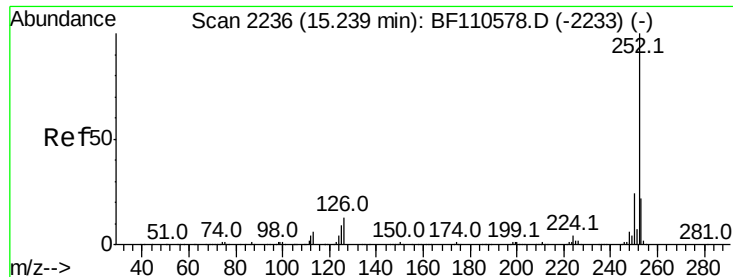
Sohil
11/14/2018 1:52:34 PM



#88
Benzo(b)fluoranthene
Concen: 29.941 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	11.6	8.2	12.4





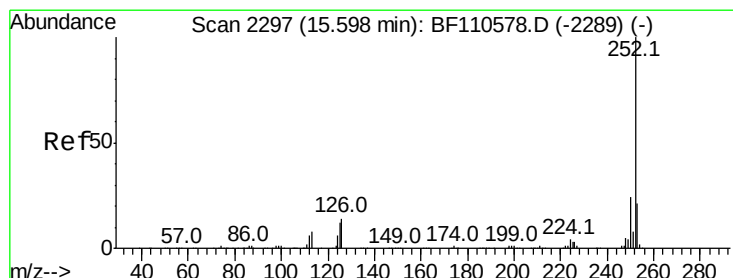
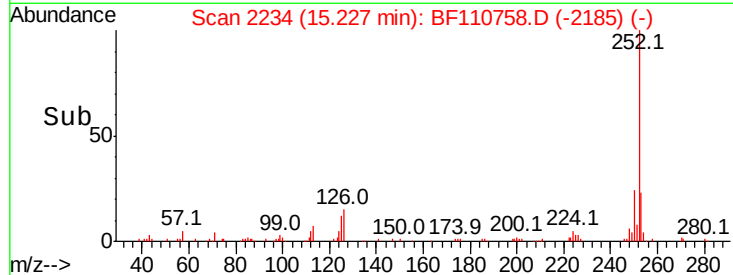
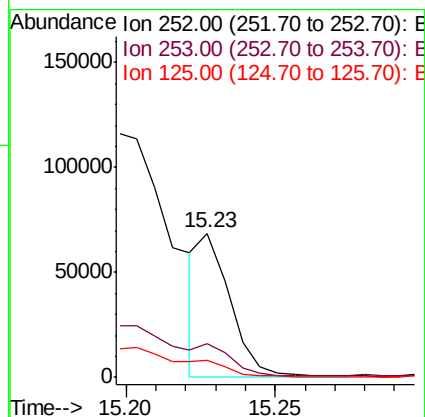
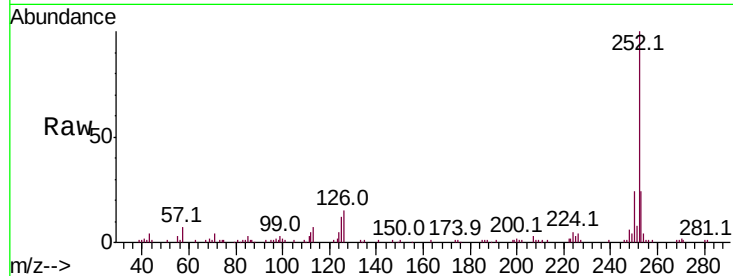
#89
Benzo(k)fluoranthene
Concen: 7.950 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SR-6-SDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	11.7	7.4	11.0

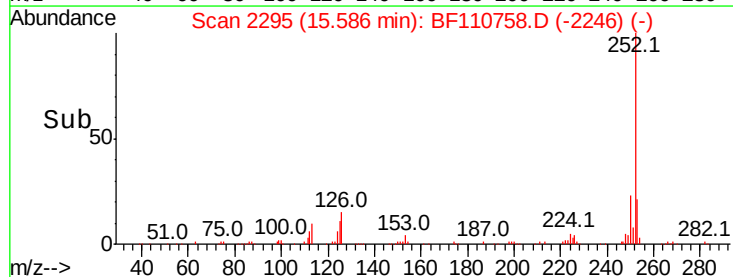
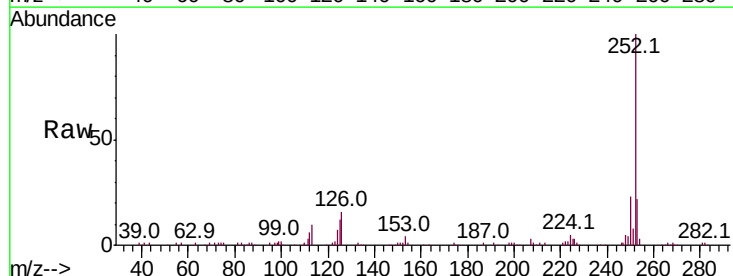
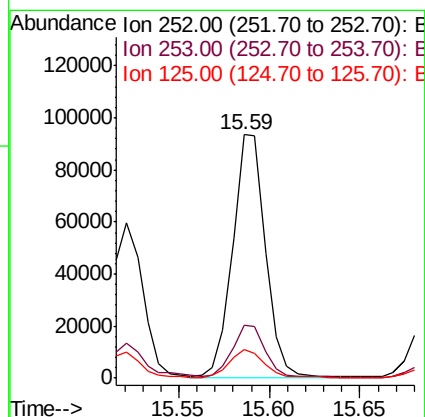
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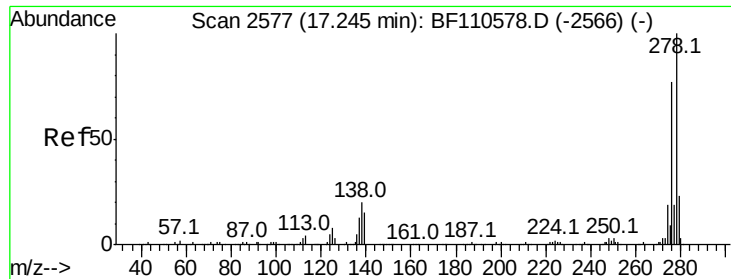
Sohil
11/14/2018 1:52:34 PM



#90
Benzo(a)pyrene
Concen: 20.444 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	11.6	9.0	13.6





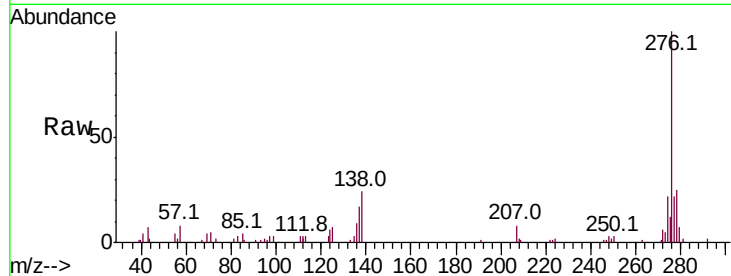
#91
Dibenzo(a,h)anthracene
Concen: 3.822 ng m
RT: 17.22 min Scan# 2573
Delta R.T. -0.02 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SR-6-SDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1
279	26.8	19.0	28.4

Manual Integrations
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Sohil
11/14/2018 1:52:34 PM

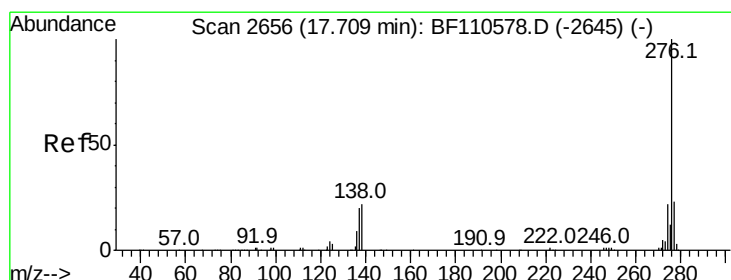
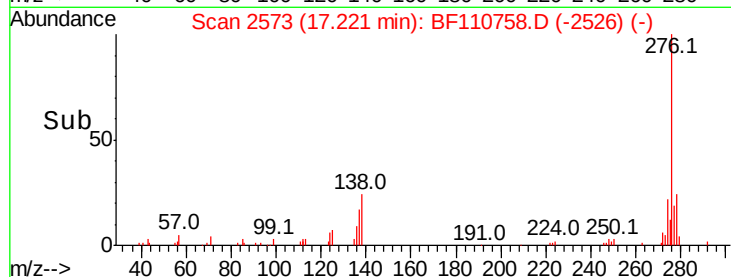
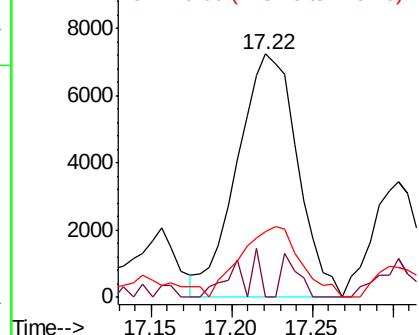


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 11.109 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.01 min
Lab File: BF110758.D
Acq: 14 Nov 2018 9:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	19.7	16.0	24.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

