

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
 Data File : BF110695.D
 Acq On : 13 Nov 2018 00:44
 Operator : JU/SJ
 Sample : J5907-21 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Manual Integrations
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 11/13/2018 2:23:00 PM

Quant Time: Nov 13 07:02:16 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	86834	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	351204	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	146794	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	227011	20.00	ng	0.00
76) Chrysene-d12	14.13	240	162924	20.00	ng	0.00
87) Perylene-d12	15.66	264	127604	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	92301	17.27	ng	0.00
7) Phenol-d6	6.56	99	124633	18.23	ng	-0.01
23) Nitrobenzene-d5	7.51	82	73927	12.12	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	17188	11.62	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	143768	13.99	ng	0.00
79) Terphenyl-d14	13.06	244	99309	11.42	ng	-0.01
Target Compounds						
52) Acenaphthene	10.02	154	29790	3.318	ng	Qvalue 98
58) Fluorene	10.54	166	29018	2.876	ng	96
71) Phenanthrene	11.50	178	474981	39.054	ng	99
72) Anthracene	11.56	178	93976	7.660	ng	98
73) Carbazole	11.72	167	24374	2.069	ng	98
75) Fluoranthene	12.70	202	507051	41.584	ng	99
78) Pyrene	12.93	202	523363	41.720	ng	99
81) Benzo(a)anthracene	14.12	228	213740	21.949	ng	99
83) Chrysene	14.16	228	171527	18.488	ng	98
86) Indeno(1,2,3-cd)pyrene	17.22	276	64006	9.614	ng	98
88) Benzo(b)fluoranthene	15.20	252	169632m	22.221	ng	
89) Benzo(k)fluoranthene	15.23	252	50998m	6.761	ng	
90) Benzo(a)pyrene	15.59	252	125120	18.040	ng	97
91) Dibenzo(a,h)anthracene	17.23	278	16262	2.771	ng	# 86
92) Benzo(a,h,i)perylene	17.70	276	62700	10.767	ng	97

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

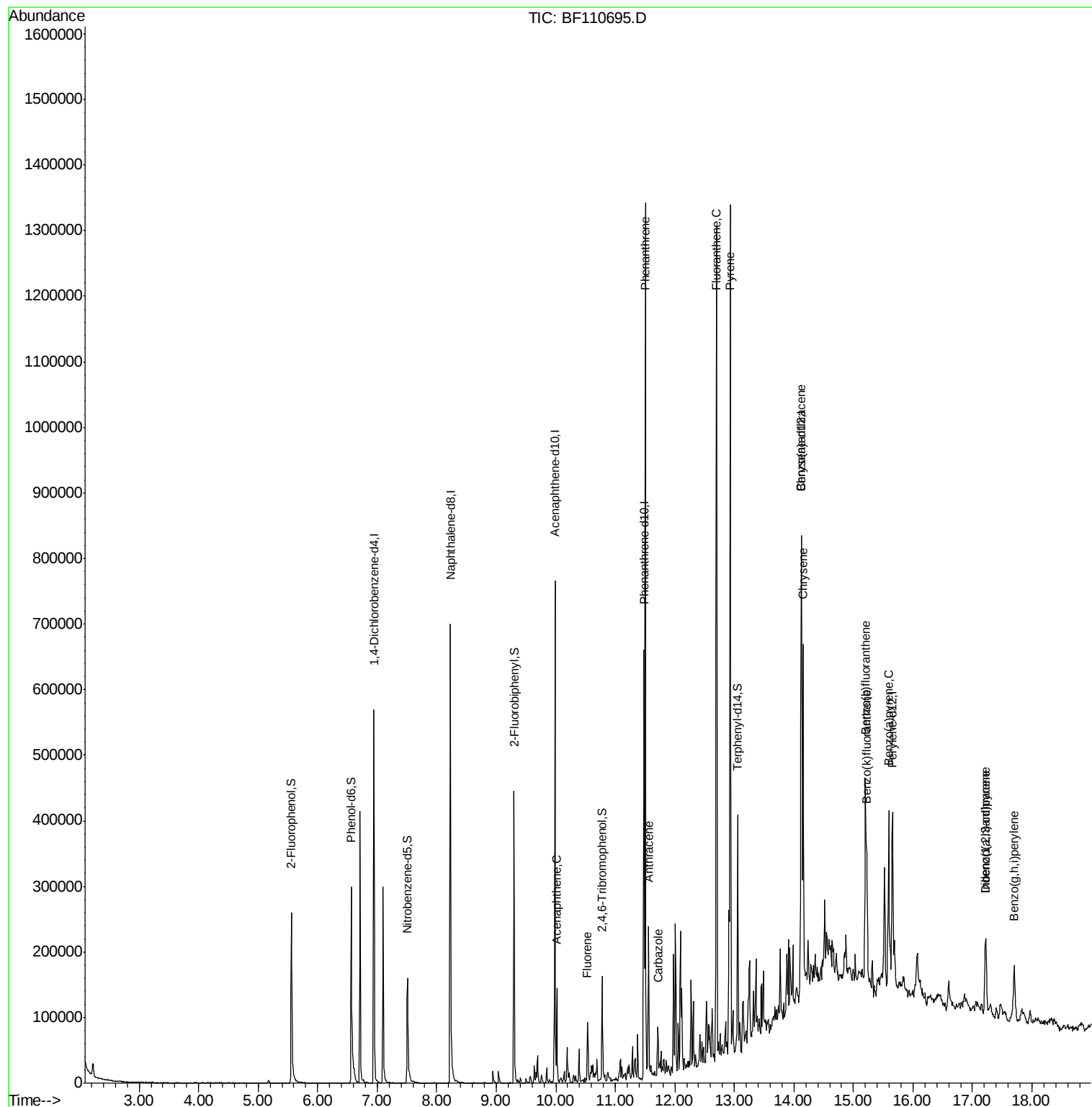
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
Data File : BF110695.D
Acq On : 13 Nov 2018 00:44
Operator : JU/SJ
Sample : J5907-21 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

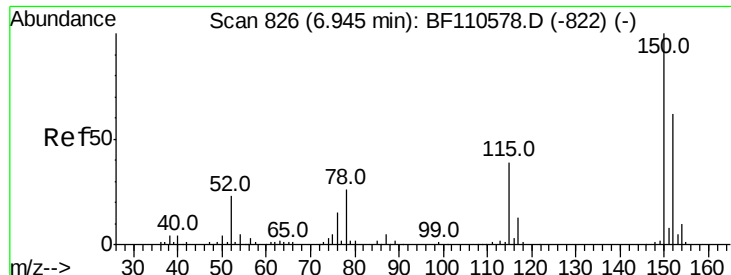
Instrument :
BNA_F
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TP-3-S

Quant Time: Nov 13 07:02:16 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
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#1

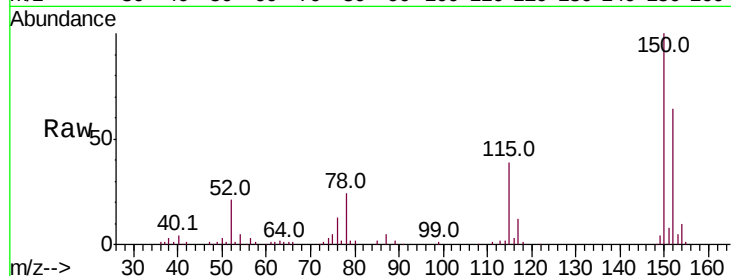
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.7	184.1
115	60.6	49.1	73.7

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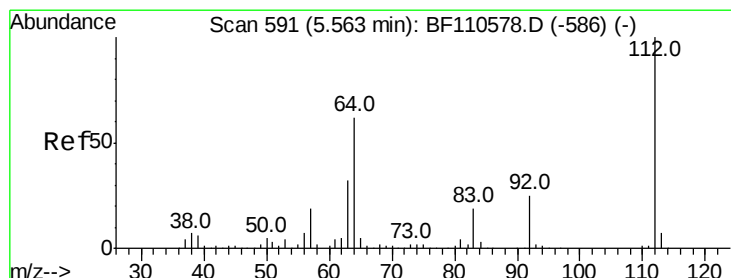
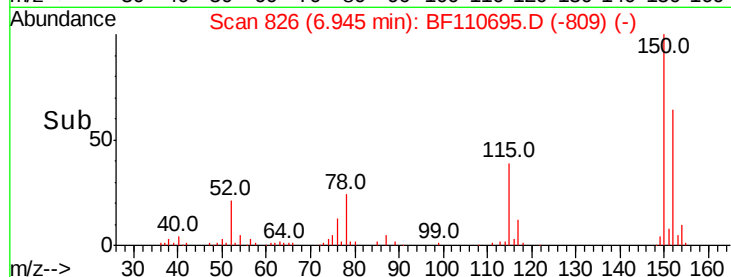
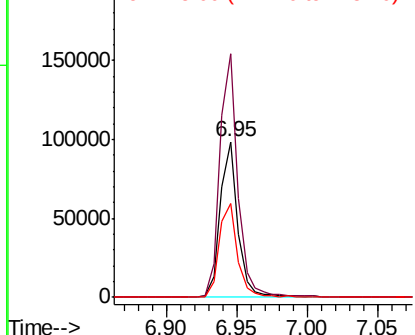


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

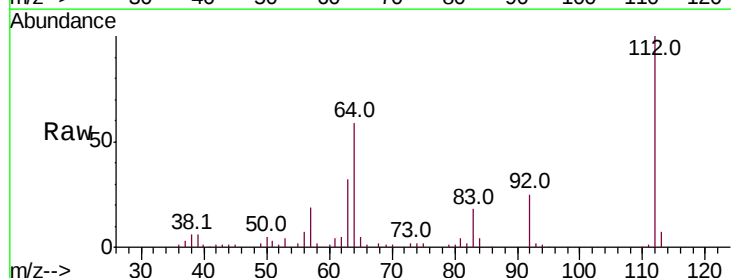
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.266 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	44.1	66.1
63	31.8	23.7	35.5

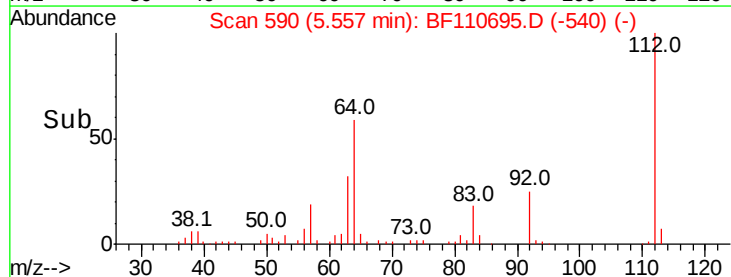
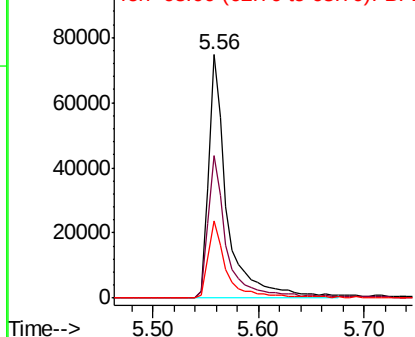


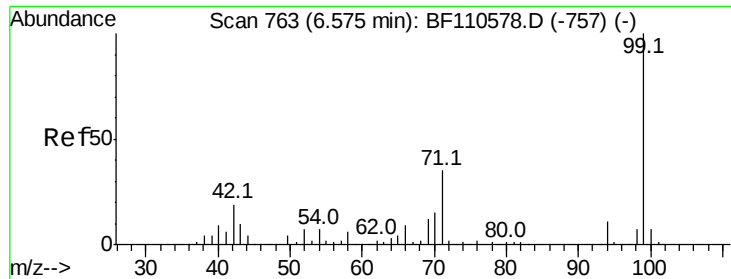
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.232 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

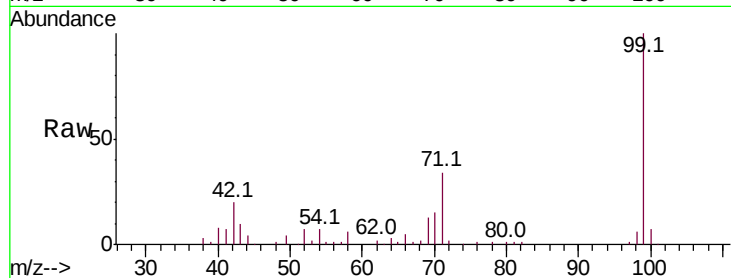
ClientSampled :

TP-3-S

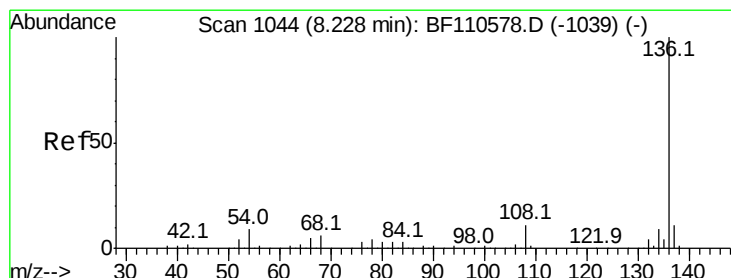
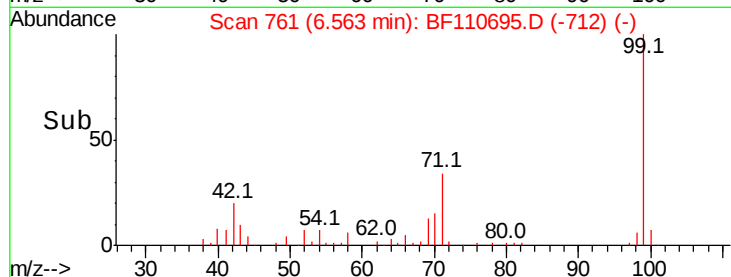
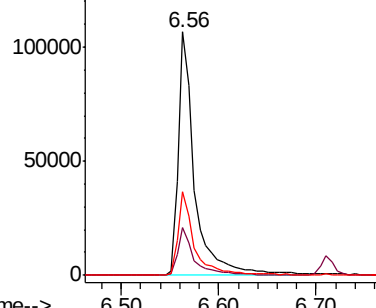
Tot Ion:	99	Resp:	124633
Ion Ratio	Lower	Upper	
99	100		
42	19.8	15.8	23.6
71	34.1	28.0	42.0

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

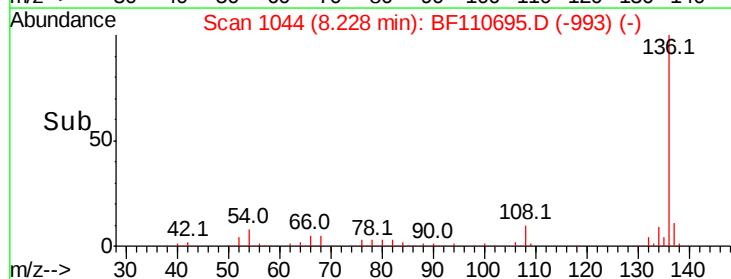
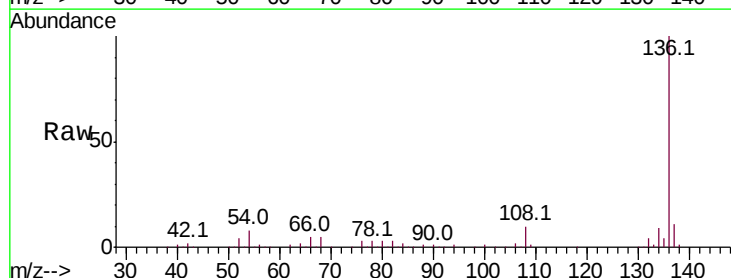
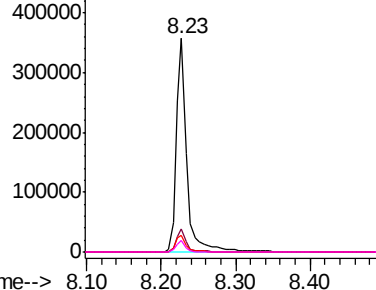
Delta R.T. 0.00 min

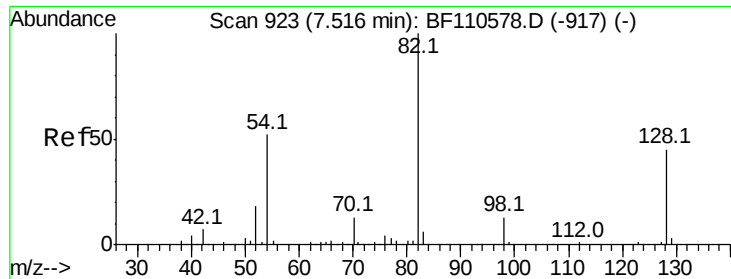
Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Tgt Ion:	136	Resp:	351204
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.8	13.2
54	7.6	5.4	8.2
68	5.1	4.2	6.2

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





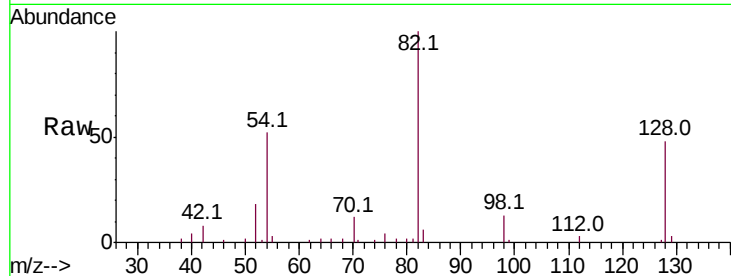
#23
Nitrobenzene-d5
Concen: 12.122 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampled :
TP-3-S

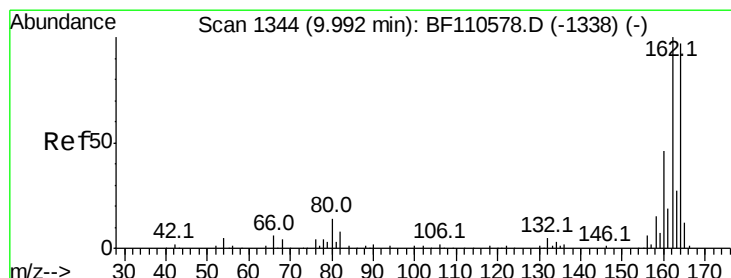
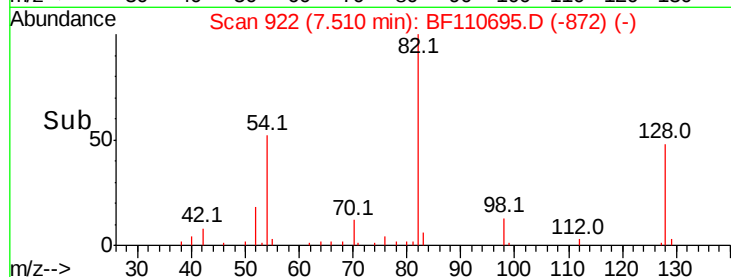
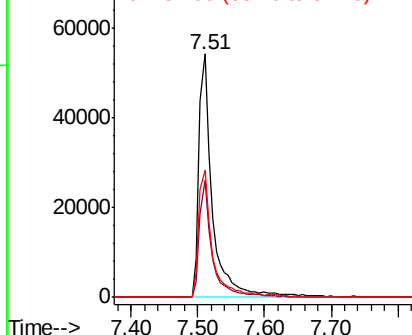
Tot Ion	82	Resp	73927
Ion Ratio	100	Lower	Upper
128	48.1	34.2	51.2
54	52.0	38.6	58.0

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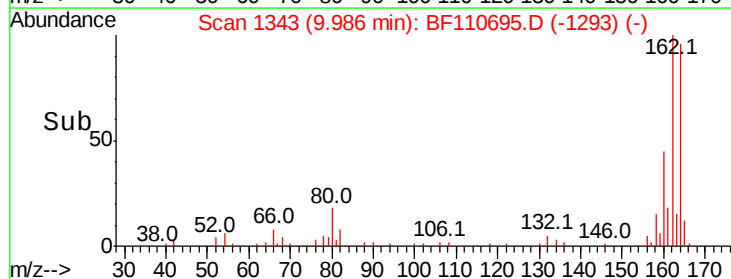
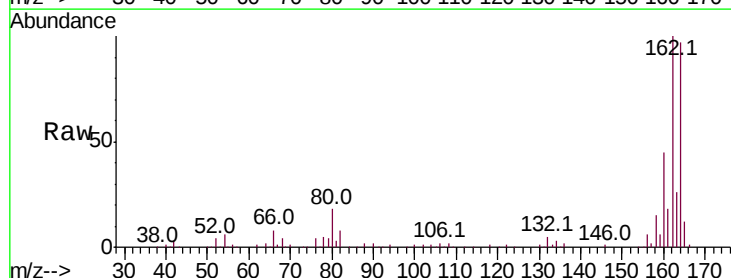
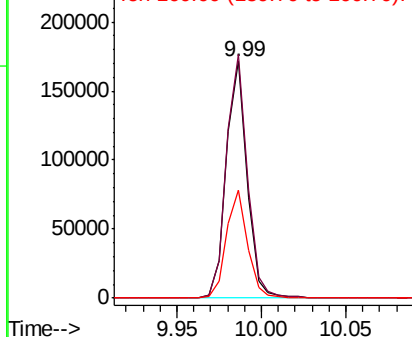
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

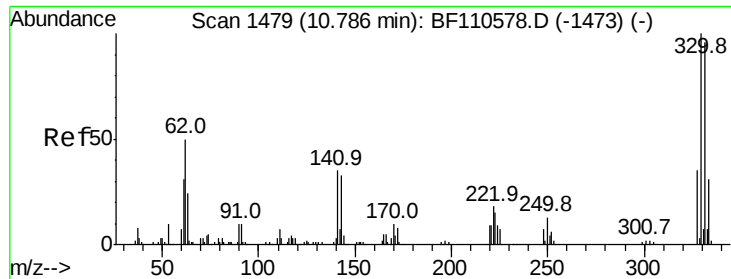


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion	164	Resp	146794
Ion Ratio	100	Lower	Upper
162	102.8	83.0	124.6
160	45.8	37.0	55.6

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





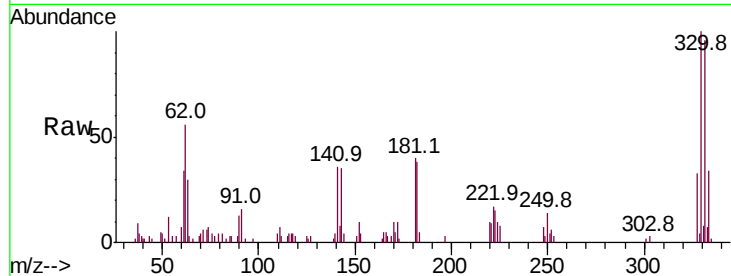
#42
 2,4,6-Tribromophenol
 Concen: 11.620 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

Instrument :
 BNA_F
 ClientSampled :
 TP-3-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.1	115.7
141	39.1	27.0	40.4

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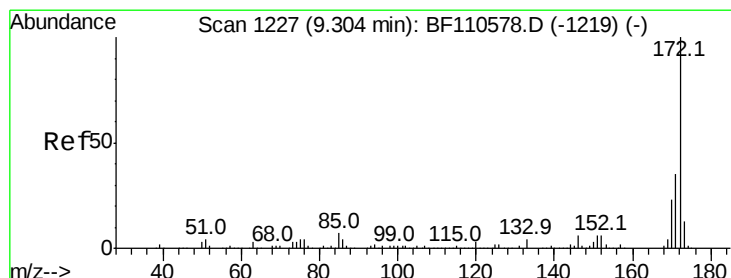
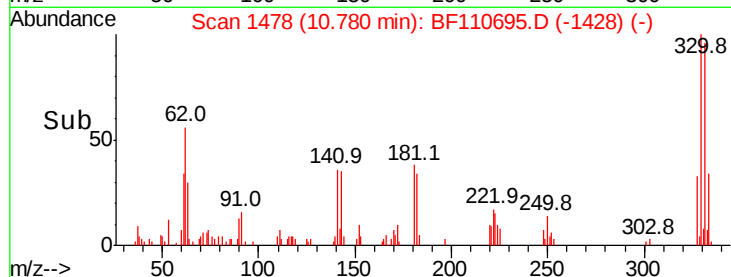
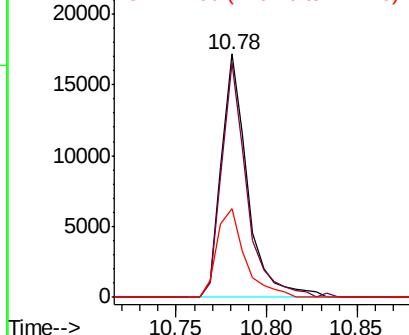


Abundance

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: 13.987 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

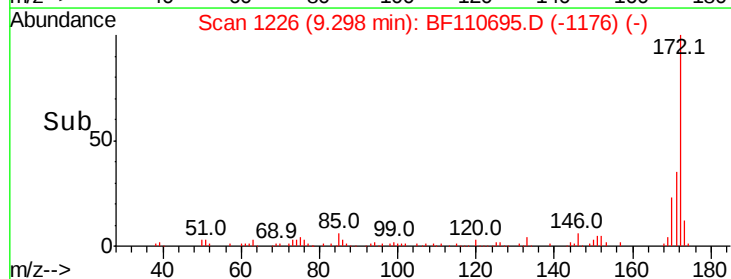
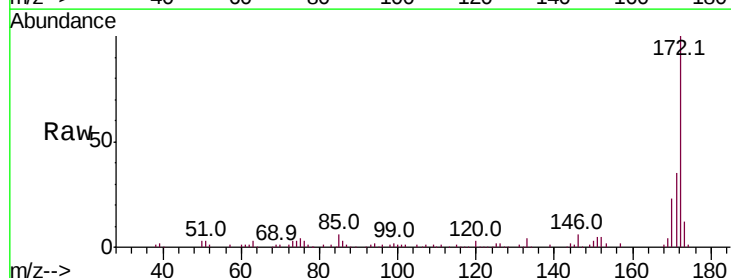
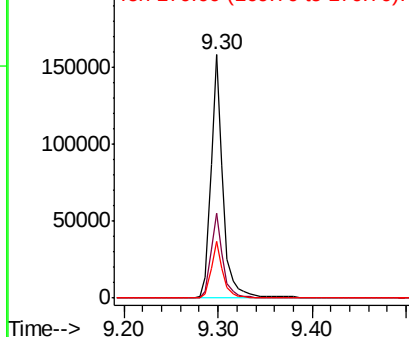
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	43.0
170	23.2	19.7	29.5

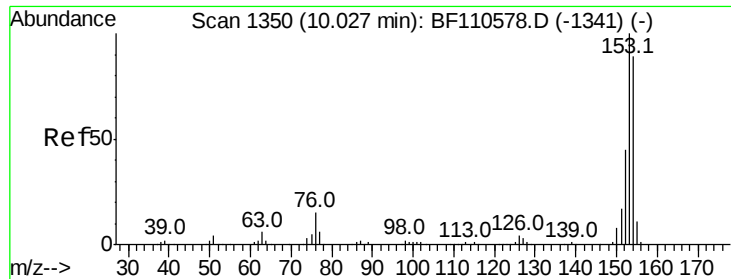
Abundance

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





#52

Acenaphthene

Concen: 3.318 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

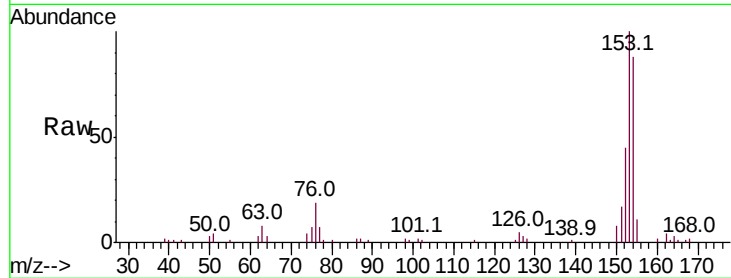
ClientSampleId :

TP-3-S

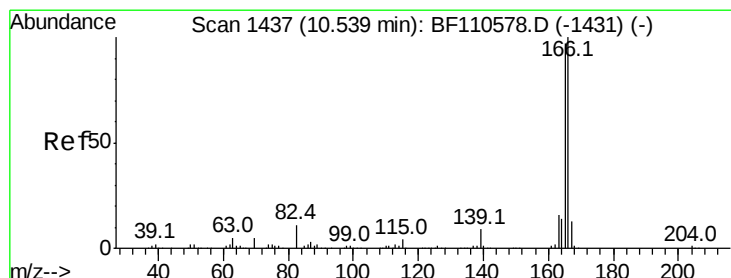
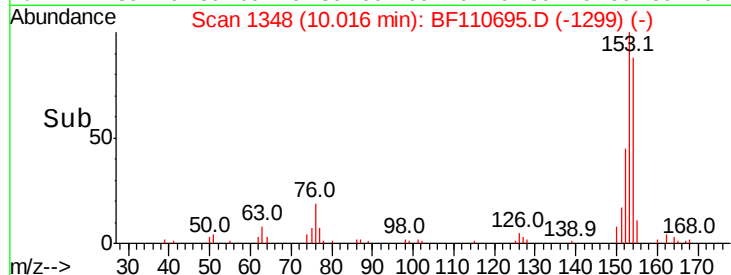
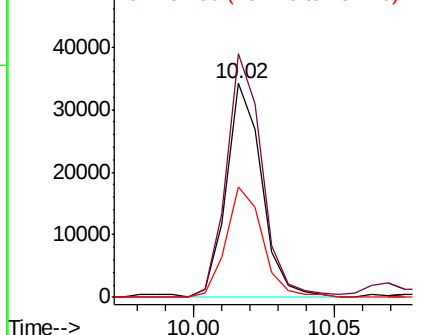
Tot Ion:	154	Resp:	29790
Ion Ratio	Lower	Upper	
154	100		
153	113.7	90.1	135.1
152	51.6	43.4	65.2

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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: 2.876 ng

RT: 10.54 min Scan# 1437

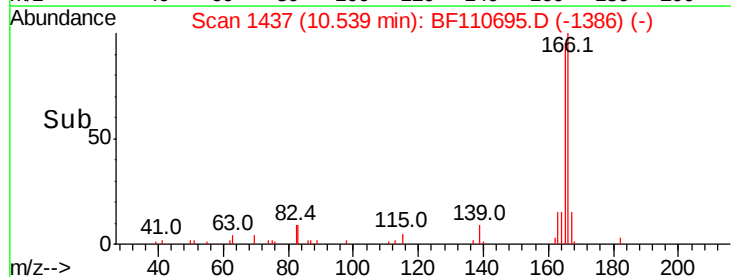
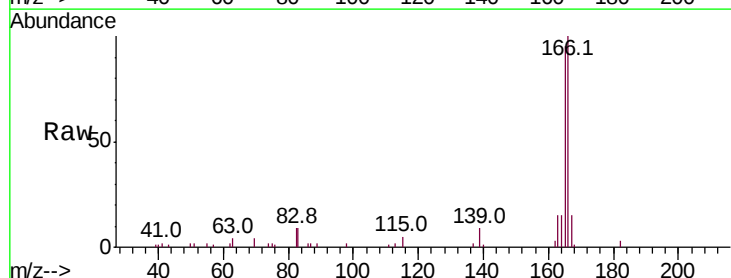
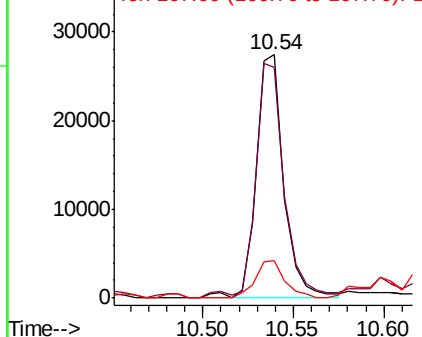
Delta R.T. 0.00 min

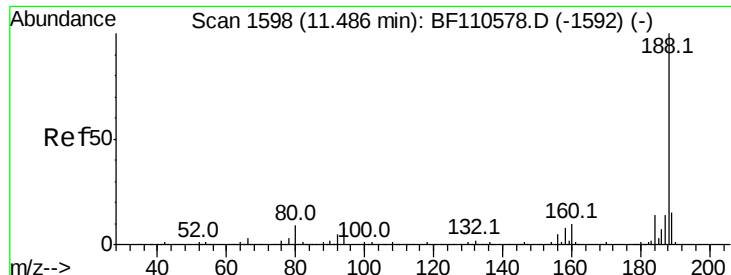
Lab File: BF110695.D

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Tgt Ion:	166	Resp:	29018
Ion Ratio	Lower	Upper	
166	100		
165	94.6	78.6	117.8
167	15.5	10.8	16.2

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





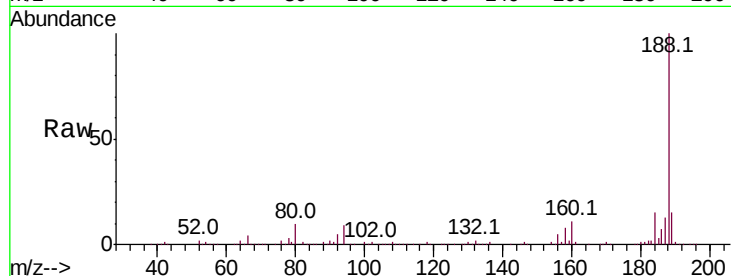
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampleId :
TP-3-S

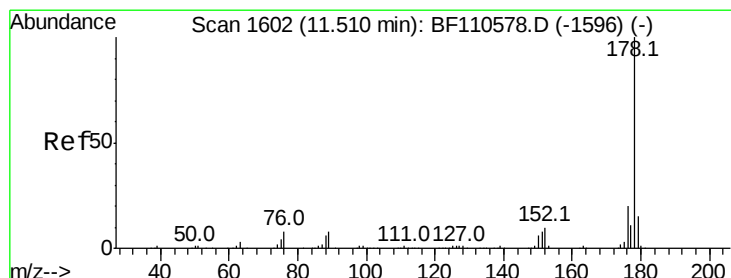
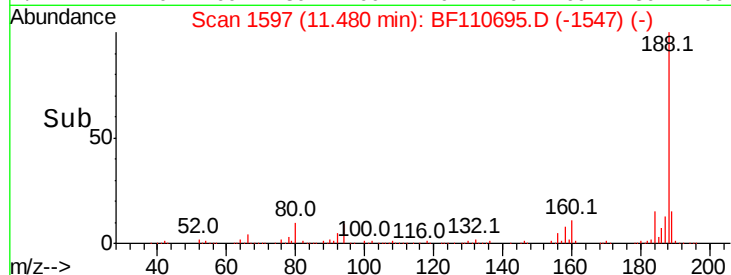
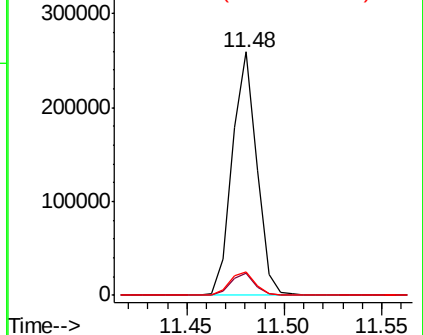
Tot Ion	Ratio	Resp	Lower	Upper
188	100	227011		
94	9.0	7.2	10.8	
80	9.5	7.9	11.9	

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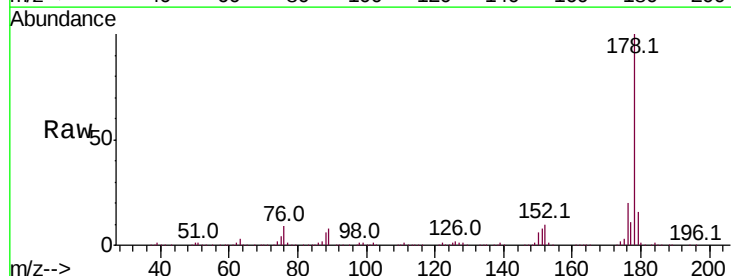


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

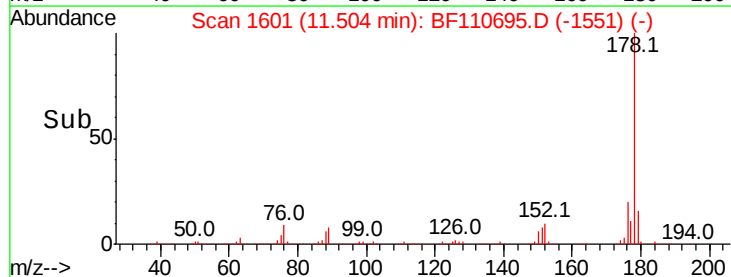
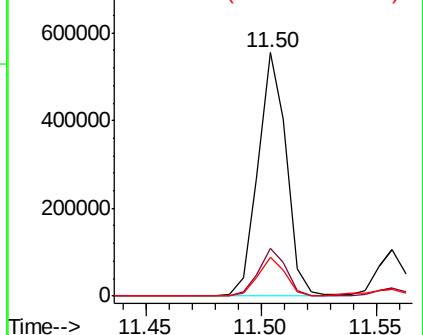


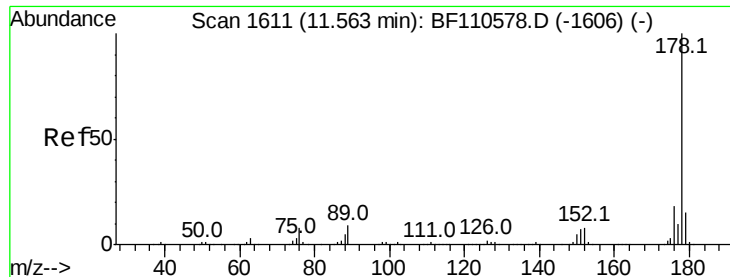
#71
Phenanthrene
Concen: 39.054 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	474981		
176	19.5	15.5	23.3	
179	16.0	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: 7.660 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:178 Resp: 93976

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

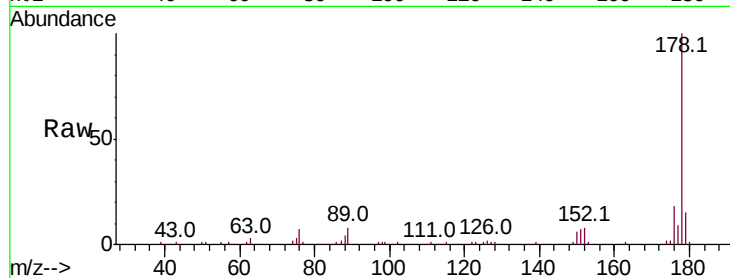
179 15.2 12.6 18.8

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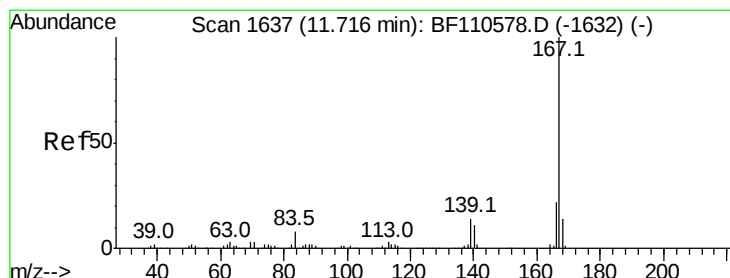
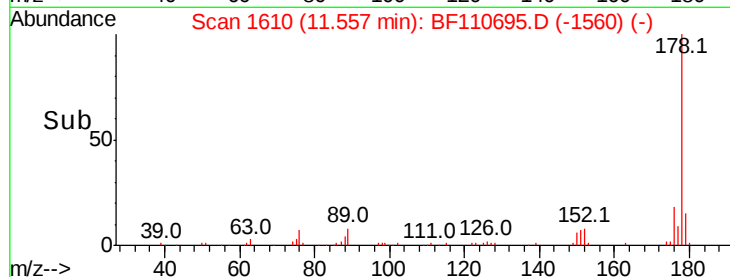
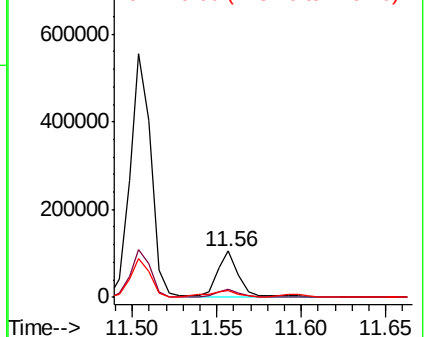
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.069 ng

RT: 11.72 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

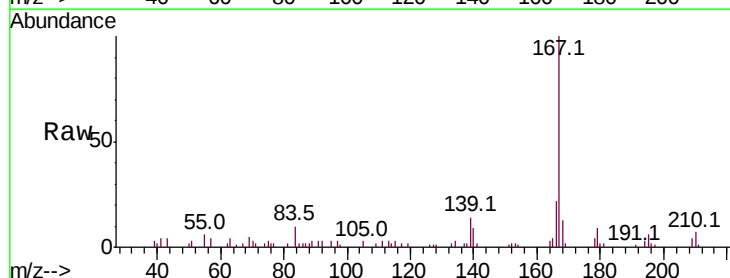
Tgt Ion:167 Resp: 24374

Ion Ratio Lower Upper

167 100

166 22.5 17.4 26.0

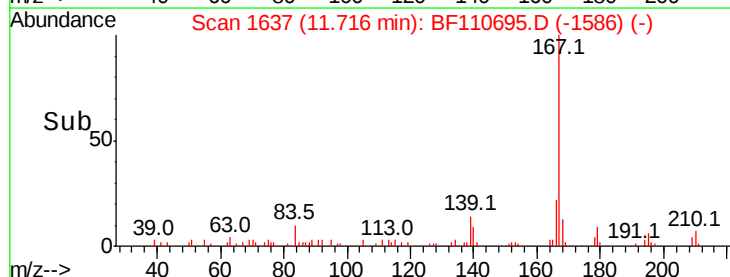
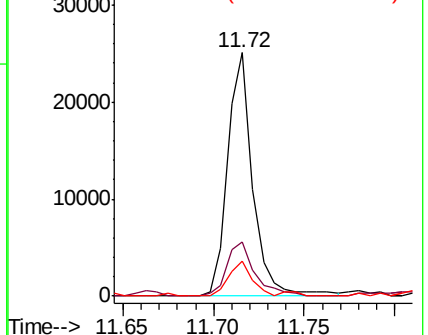
139 14.3 10.9 16.3

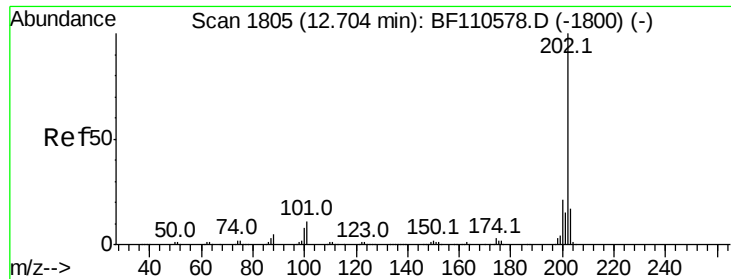


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 41.584 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

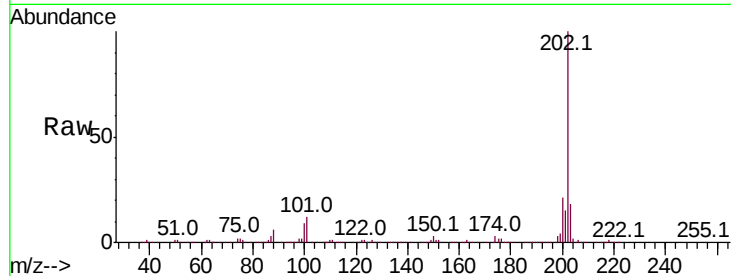
ClientSampled :

TP-3-S

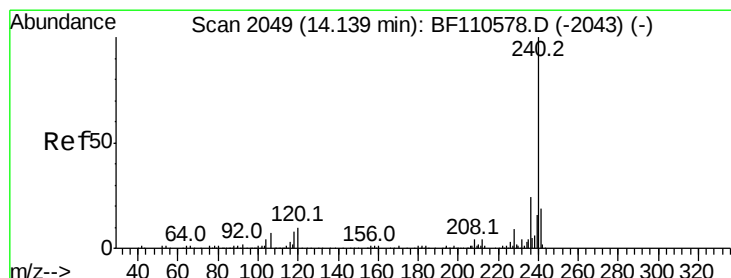
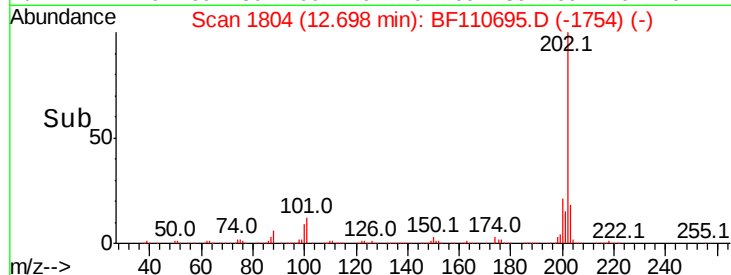
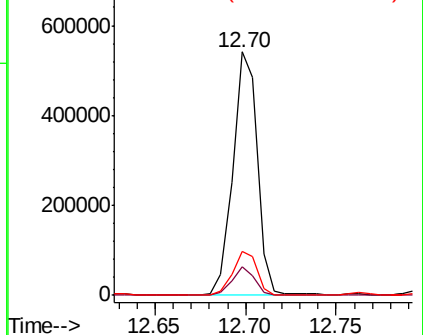
Tot Ion	Ratio	Resp	Lower	Upper
202	100	507051		
101	11.8	0.0	31.4	
203	18.1	0.0	37.7	

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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

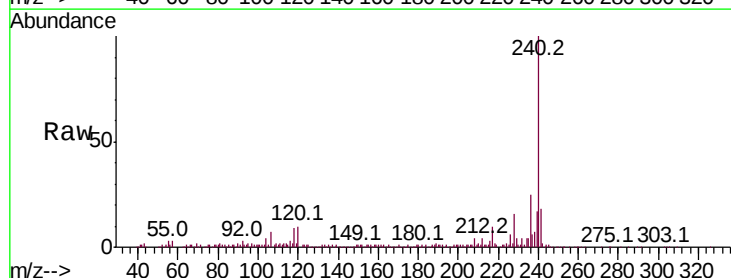
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

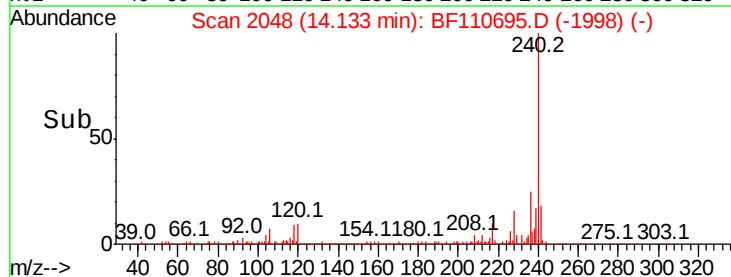
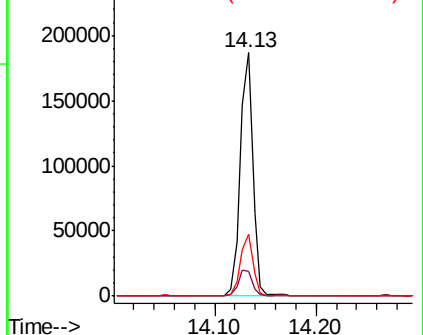
Lab File: BF110695.D

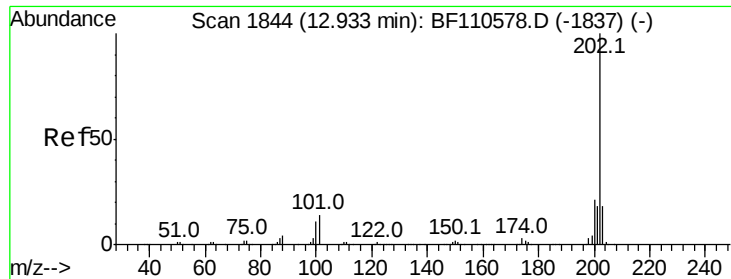
Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	162924		
120	10.1	8.3	12.5	
236	25.5	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





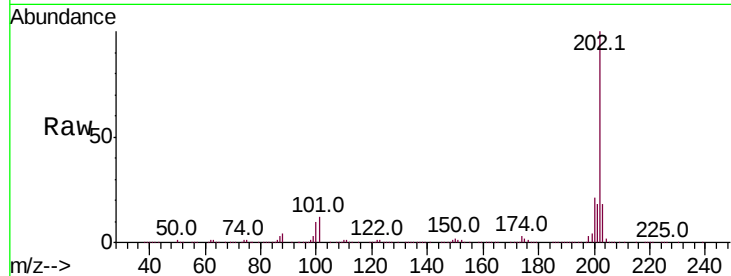
#78
Pvrene
Concen: 41.720 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	17.9	14.2	21.4

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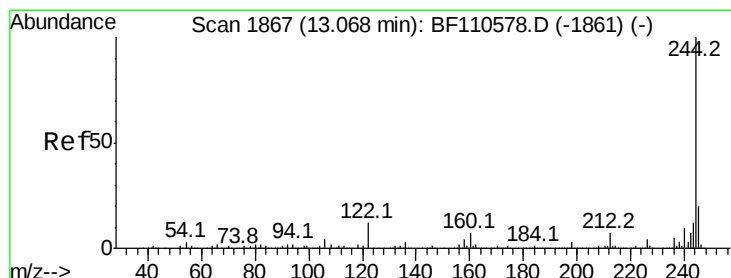
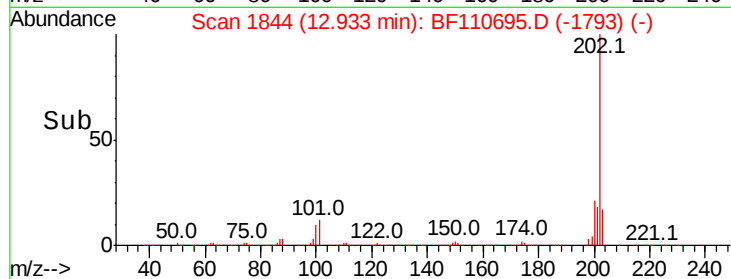
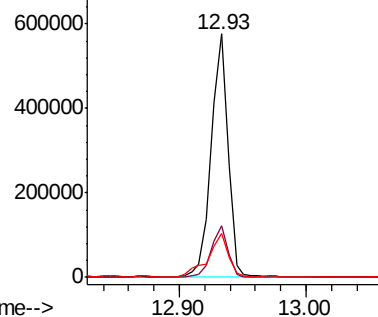


Abundance

Ion 202.00 (201.70 to 202.70): E

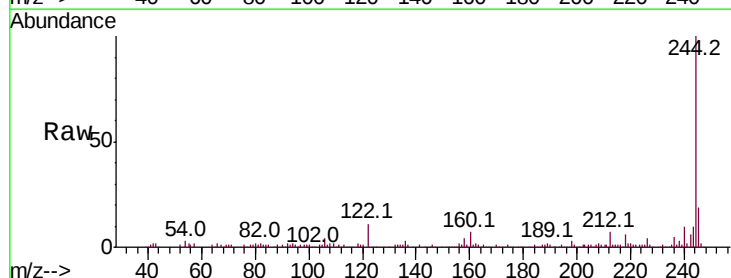
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 11.415 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.2	8.7	13.1

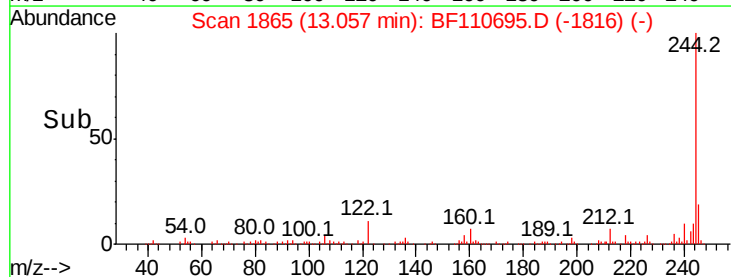
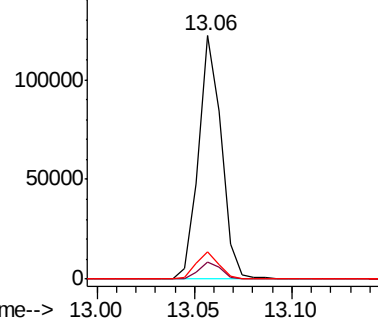


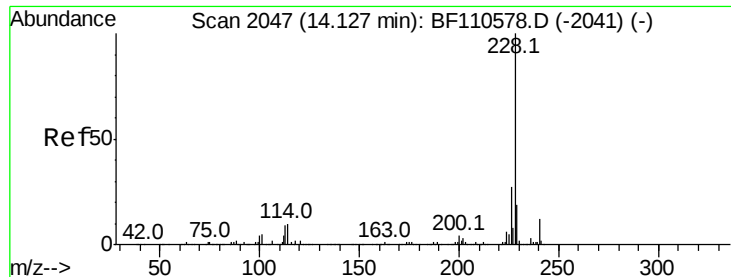
Abundance

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





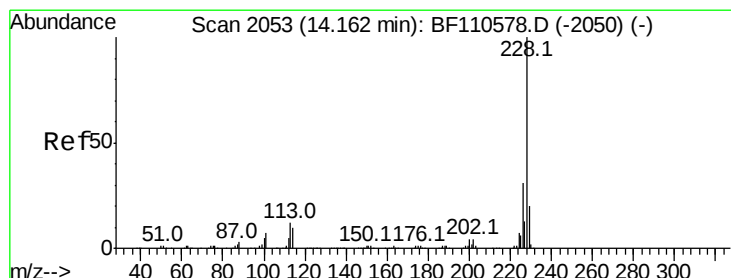
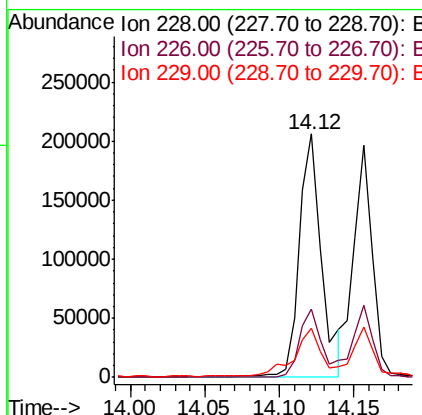
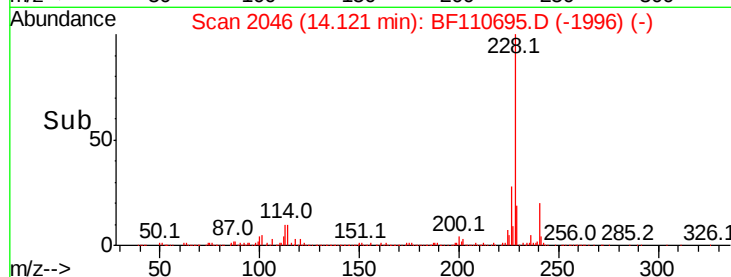
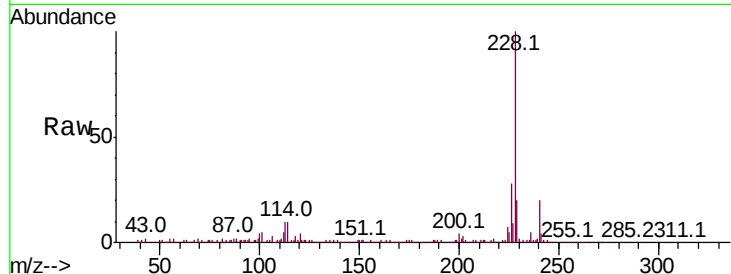
#81
Benzo(a)anthracene
Concen: 21.949 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.1	33.1
229	20.0	15.6	23.4

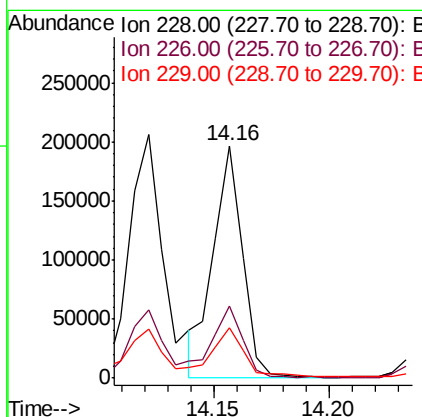
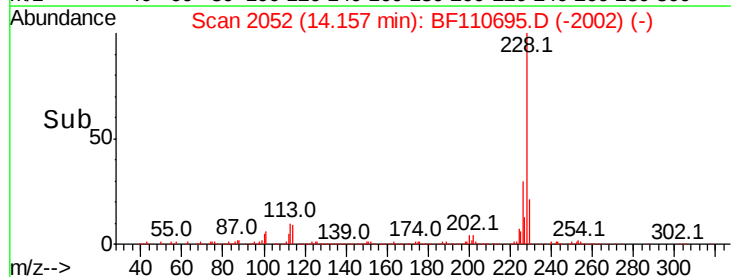
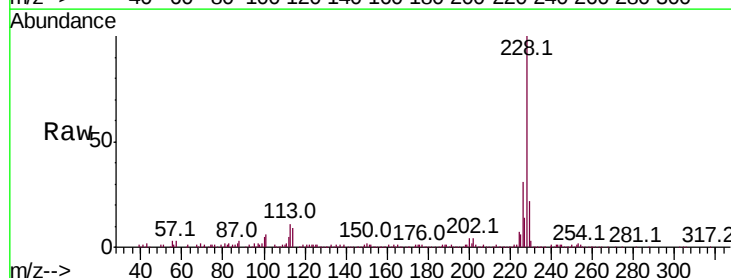
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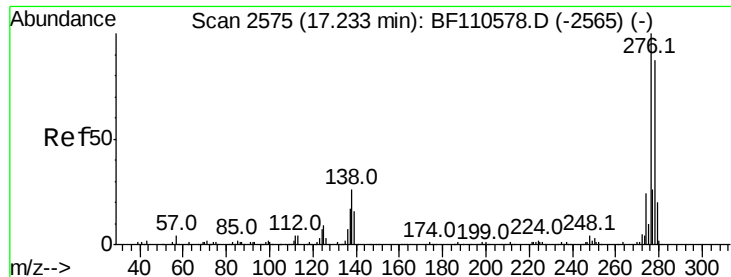
Sohil
11/13/2018 2:23:00 PM



#83
Chrysene
Concen: 18.488 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	21.9	15.9	23.9





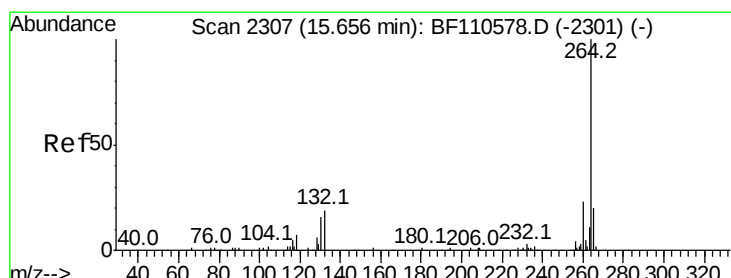
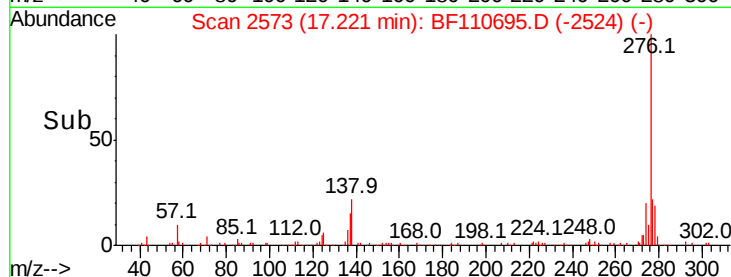
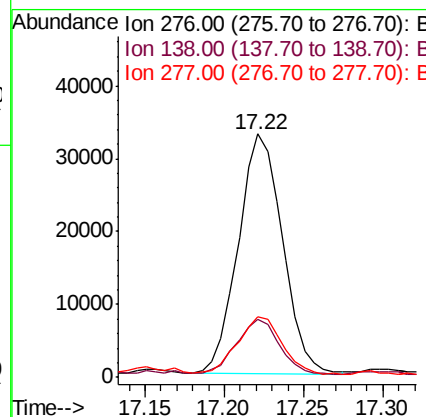
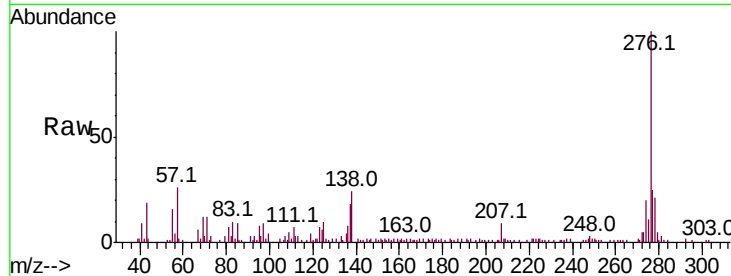
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.614 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.5	27.7
277	24.1	20.0	30.0

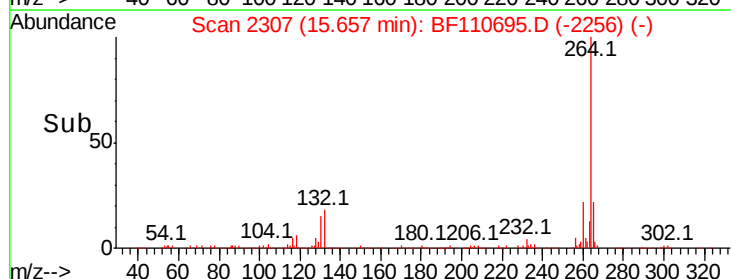
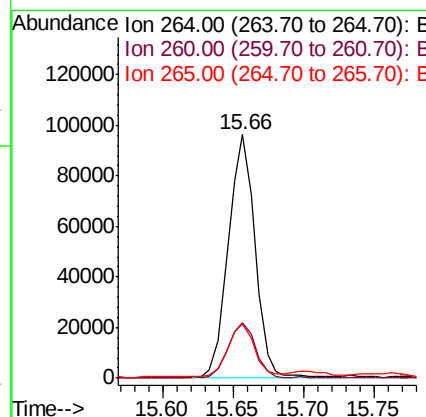
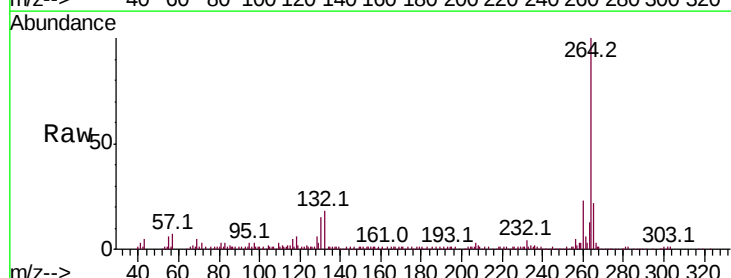
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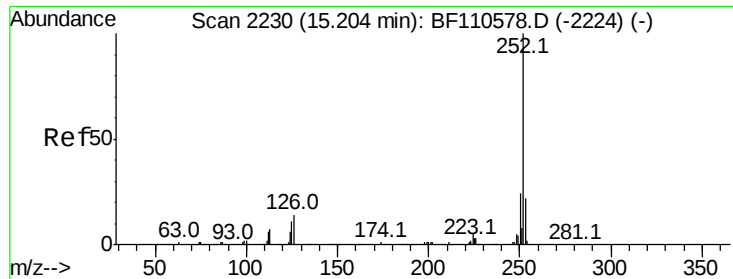
Sohil
11/13/2018 2:23:00 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	22.2	16.7	25.1





#88

Benzo(b)fluoranthene

Concen: 22.221 ng m

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Instrument :

BNA_F

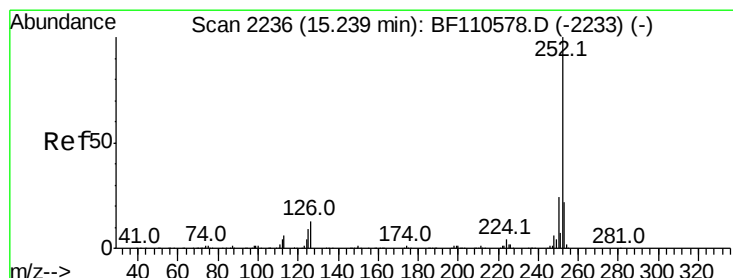
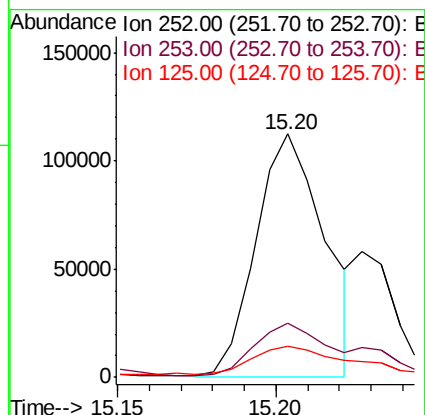
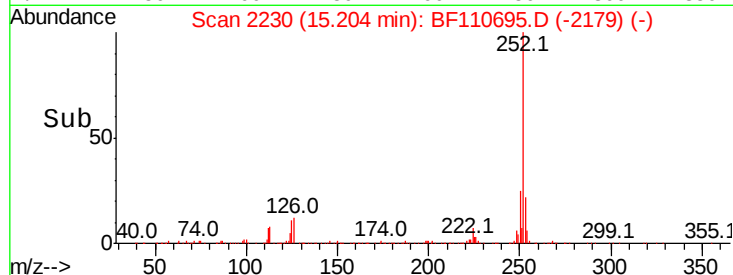
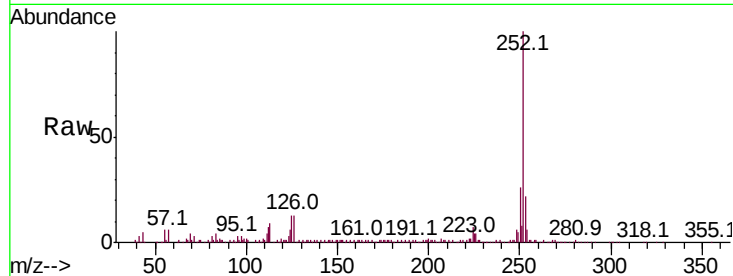
ClientSampled :

TP-3-S

Tot Ion:	252	Resp:	169632
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.2	25.8
125	12.7	8.2	12.4#

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#89

Benzo(k)fluoranthene

Concen: 6.761 ng m

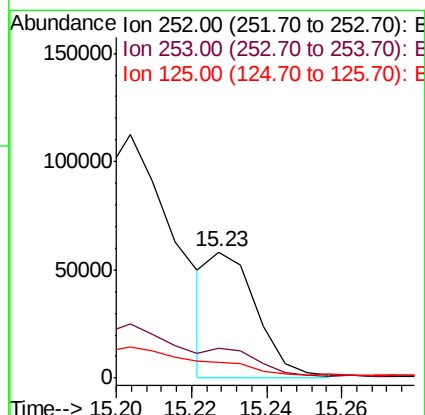
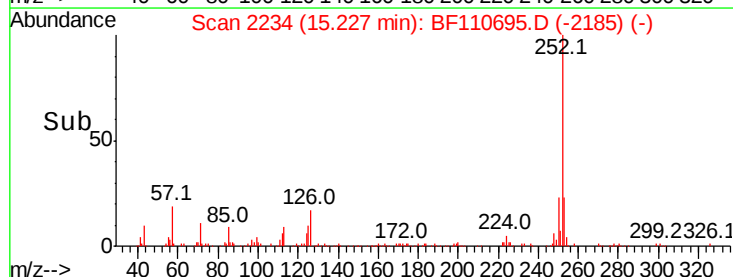
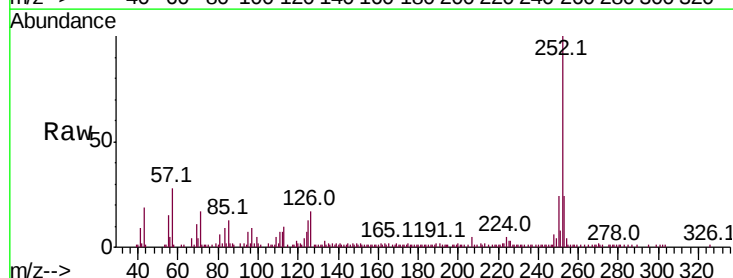
RT: 15.23 min Scan# 2234

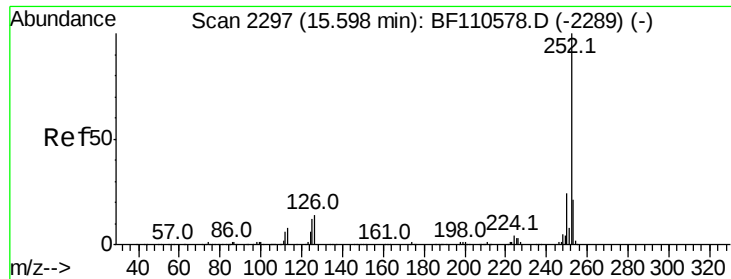
Delta R.T. -0.01 min

Lab File: BF110695.D

Acq: 13 Nov 2018 00:44

Tgt Ion:	252	Resp:	50998
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.2	25.8
125	12.9	7.4	11.0#





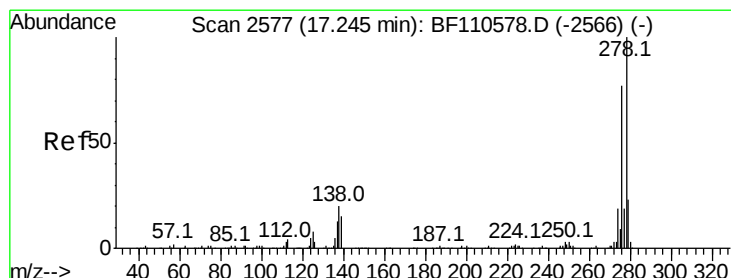
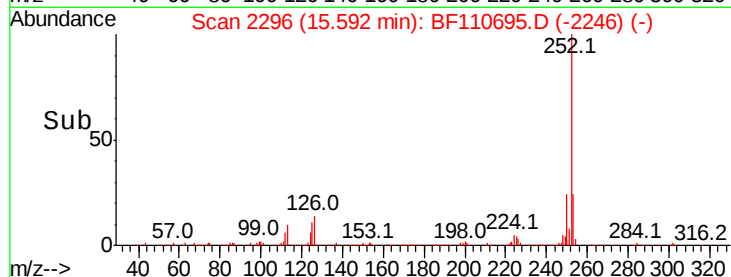
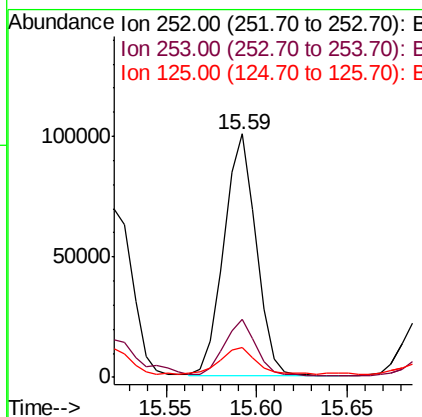
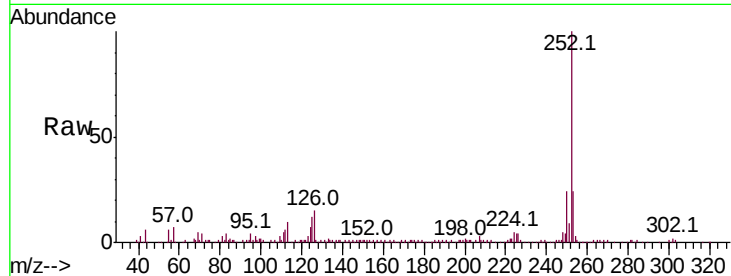
#90
Benzo(a)pyrene
Concen: 18.040 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tot Ion:	252	Resp:	125120
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.2	27.4
125	12.3	9.0	13.6

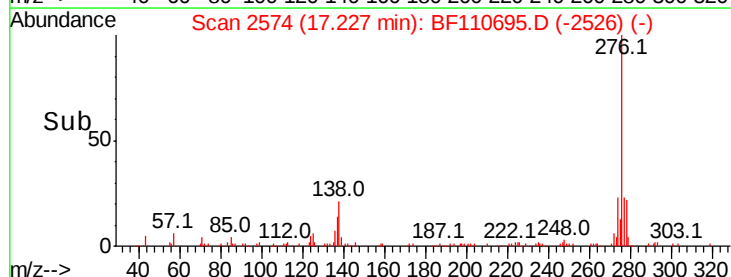
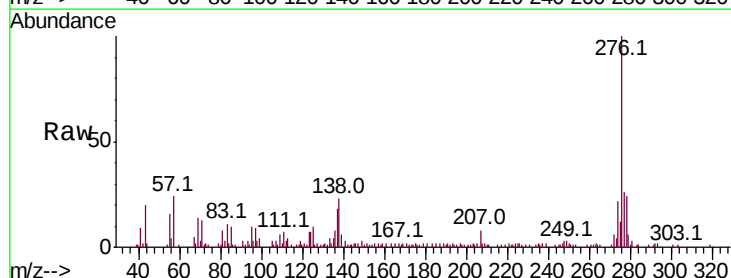
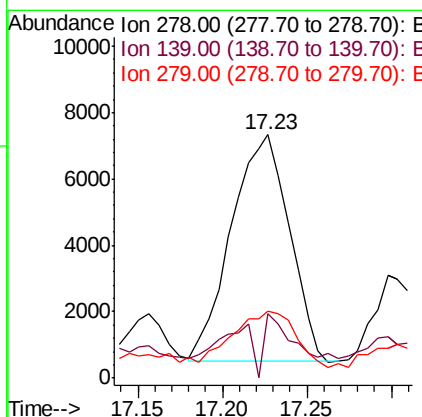
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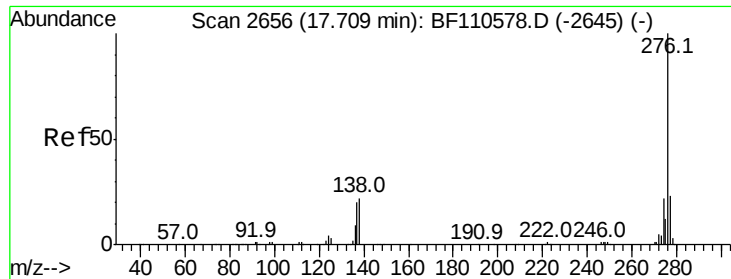
Sohil
11/13/2018 2:23:00 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.771 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.02 min
Lab File: BF110695.D
Acq: 13 Nov 2018 00:44

Tgt Ion:	278	Resp:	16262
Ion Ratio	Lower	Upper	
278	100		
139	26.2	12.7	19.1#
279	27.5	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 10.767 ng
 RT: 17.70 min Scan# 2655
 Delta R.T. -0.01 min
 Lab File: BF110695.D
 Acq: 13 Nov 2018 00:44

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Tot Ion:	276	Resp:	62700
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.8	28.2
138	22.9	16.0	24.0

Manual Integrations
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 11/13/2018 2:23:00 PM

