

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110421.D
 Acq On : 2 Nov 2018 19:34
 Operator : JU/SJ
 Sample : J5759-21 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Manual Integrations
 APPROVED

Sohil
 11/5/2018 10:32:46 AM

Quant Time: Nov 03 00:19:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	98575	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	406933	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	173492	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	259094	20.00	ng	0.00
76) Chrysene-d12	14.14	240	174420	20.00	ng	0.00
87) Perylene-d12	15.66	264	165097	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	22060	3.64	ng	0.00
7) Phenol-d6	6.57	99	33489	4.33	ng	0.00
23) Nitrobenzene-d5	7.52	82	20380	2.97	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	3817	2.22	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	37470	3.39	ng	0.00
79) Terphenyl-d14	13.06	244	23760	2.83	ng	-0.01

Target Compounds				Qvalue		
38) 1-Methylnaphthalene	9.05	142	24369	2.032	ng	95
52) Acenaphthene	10.03	154	57692	5.247	ng	97
58) Fluorene	10.55	166	51919	4.531	ng	95
71) Phenanthrene	11.52	178	1170343	86.328	ng	99
72) Anthracene	11.56	178	255021	18.767	ng	98
73) Carbazole	11.72	167	39075	2.945	ng	95
75) Fluoranthene	12.71	202	1198189	87.085	ng	98
78) Pyrene	12.94	202	1573133	125.806	ng	99
81) Benzo(a)anthracene	14.13	228	645337	62.391	ng	98
83) Chrysene	14.16	228	558159	56.814	ng	98
86) Indeno(1,2,3-cd)pyrene	17.22	276	199020	24.419	ng	99
88) Benzo(b)fluoranthene	15.21	252	570570m	59.847	ng	
89) Benzo(k)fluoranthene	15.23	252	174205m	18.587	ng	
90) Benzo(a)pyrene	15.60	252	457045	52.099	ng	99
91) Dibenzo(a,h)anthracene	17.22	278	53940m	7.126	ng	
92) Benzo(g,h,i)perylene	17.70	276	220109	29.509	ng	97

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

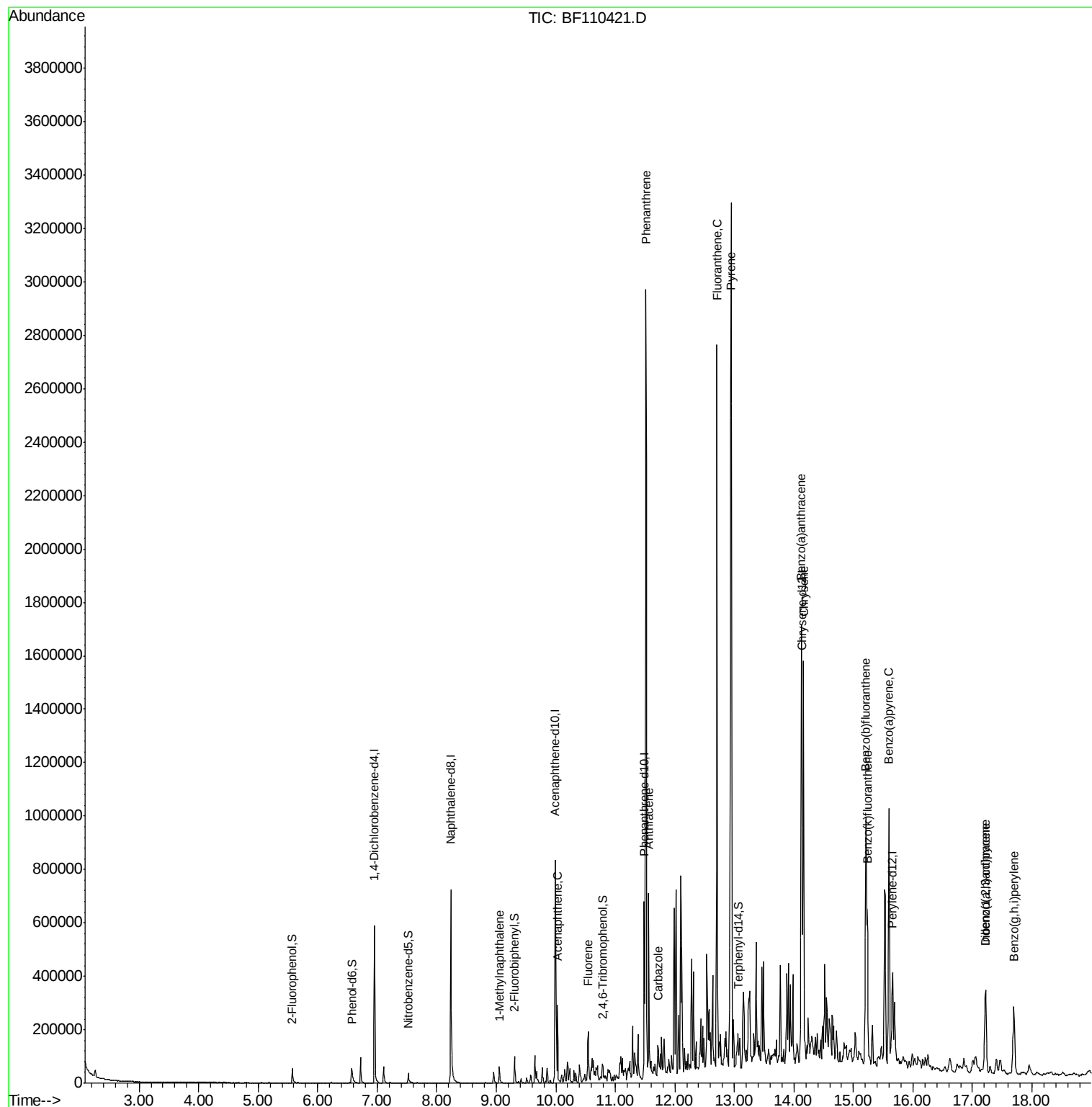
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
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#1

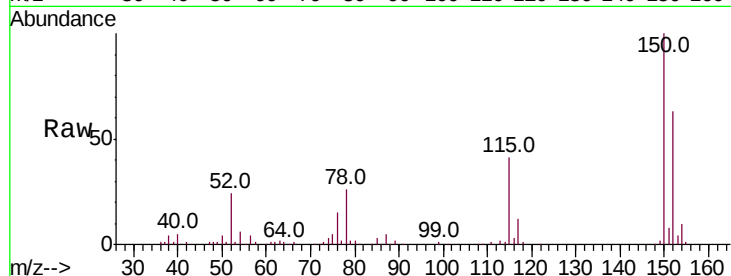
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.7	184.1
115	64.3	49.1	73.7

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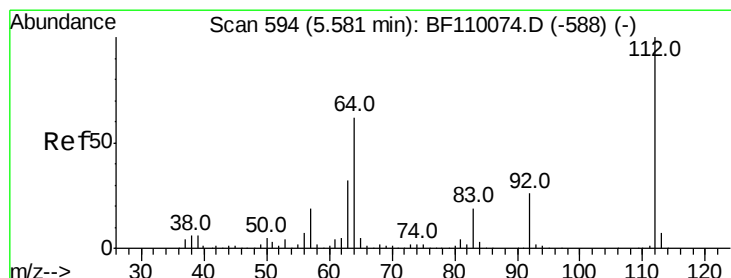
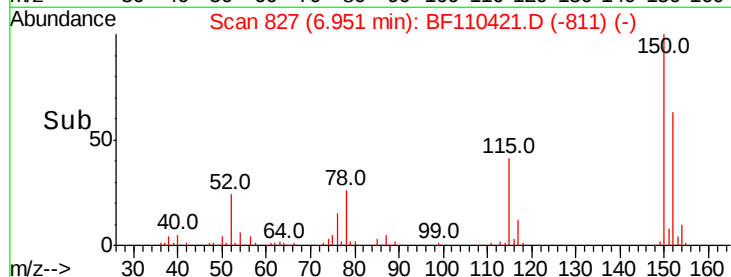
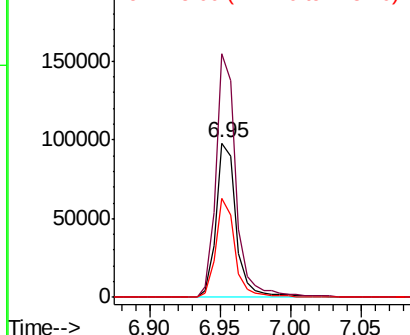


Abundance

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: 3.644 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

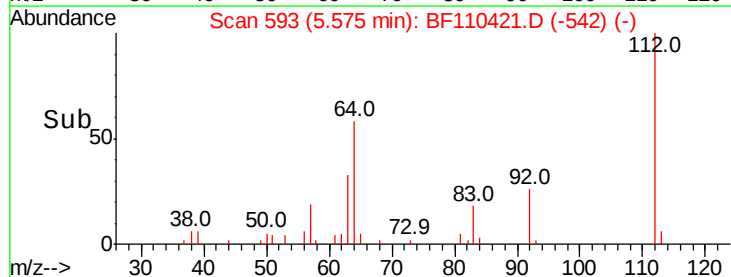
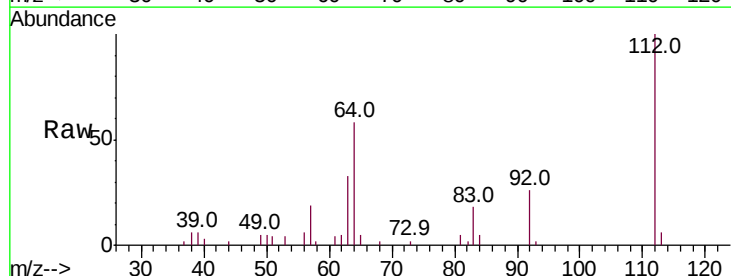
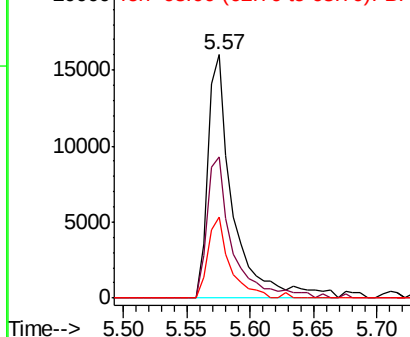
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	33.0	23.7	35.5

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: 4.325 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Instrument :

BNA_F

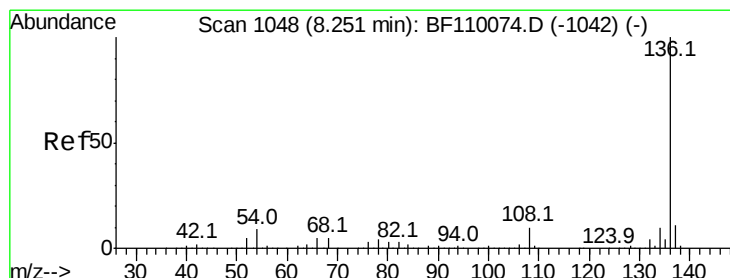
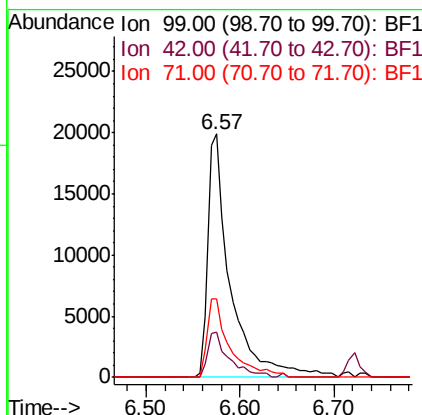
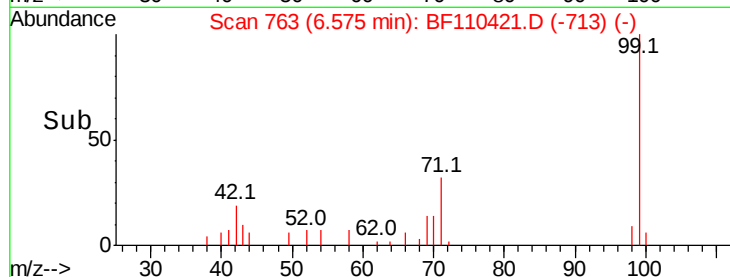
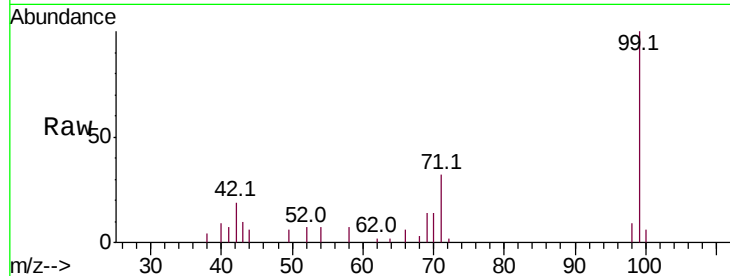
ClientSampled :

TP-6

Tot Ion:	99	Resp:	33489
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.8	23.6
71	32.4	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

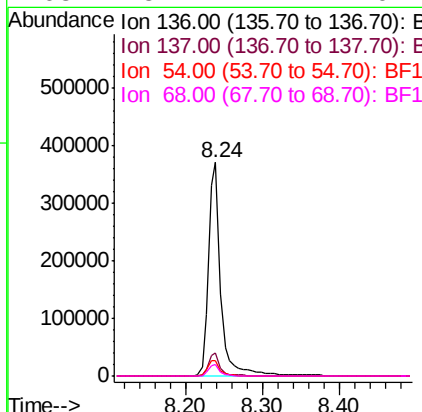
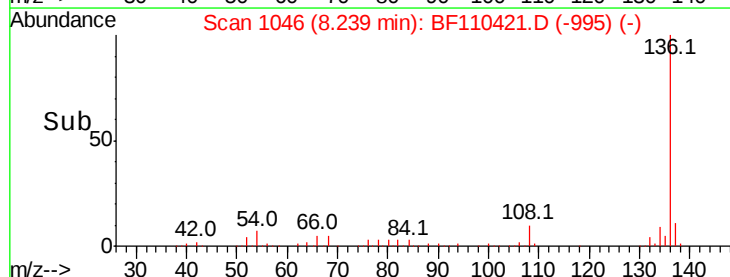
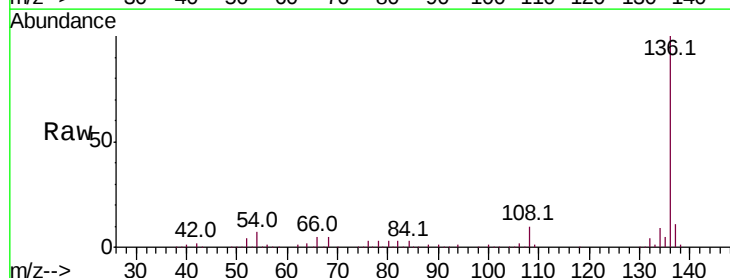
RT: 8.24 min Scan# 1046

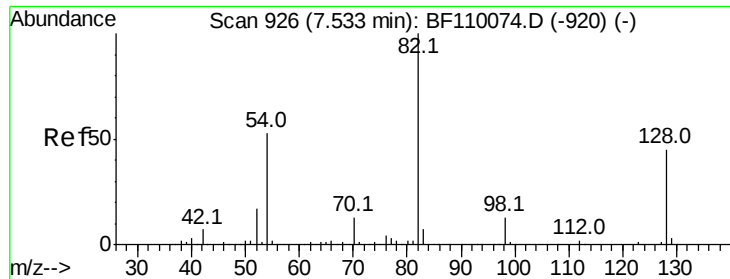
Delta R.T. 0.00 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Tgt Ion:	136	Resp:	406933
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.3	5.4	8.2
68	5.2	4.2	6.2





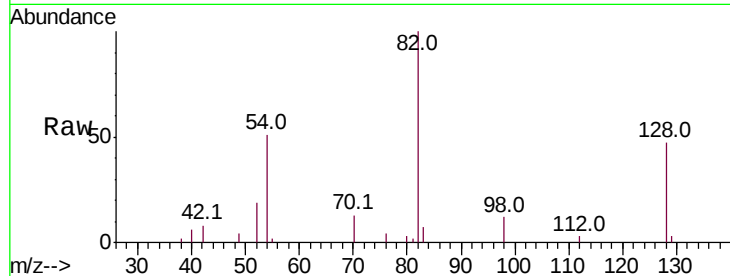
#23
Nitrobenzene-d5
Concen: 2.971 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampled :
TP-6

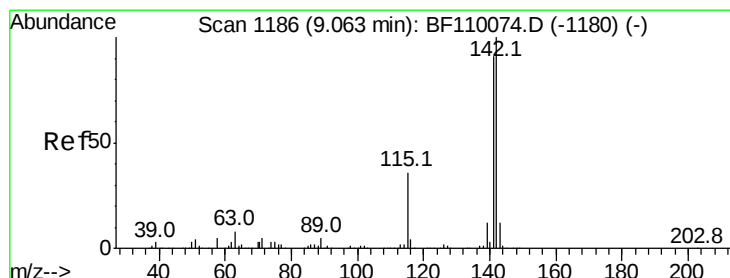
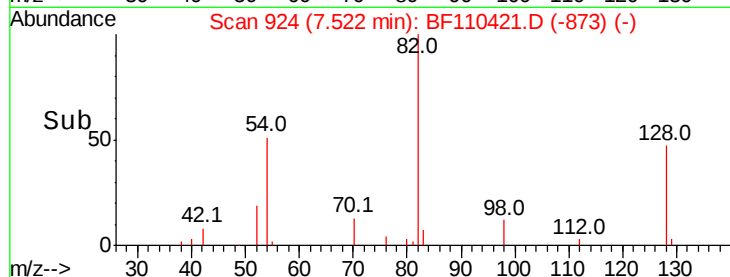
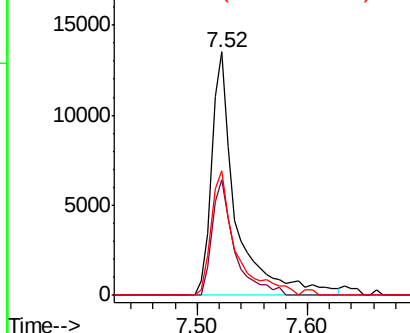
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.2	51.2
54	51.3	38.6	58.0

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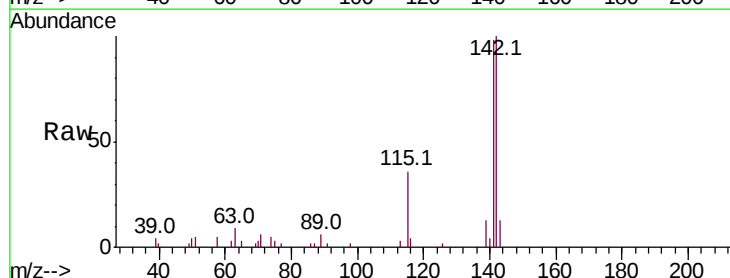


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

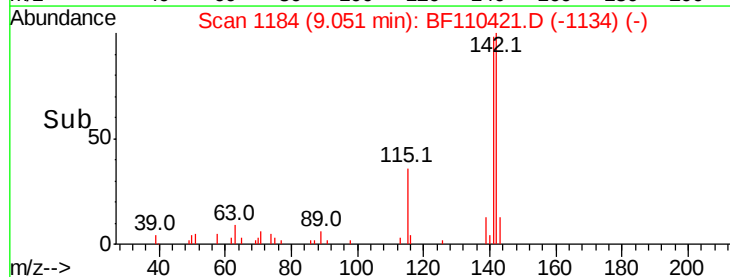
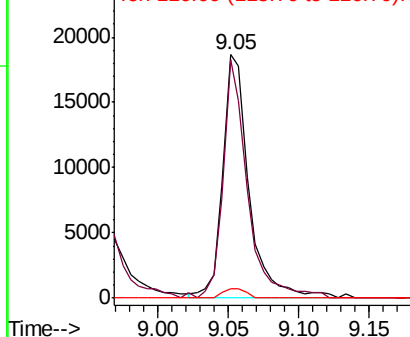


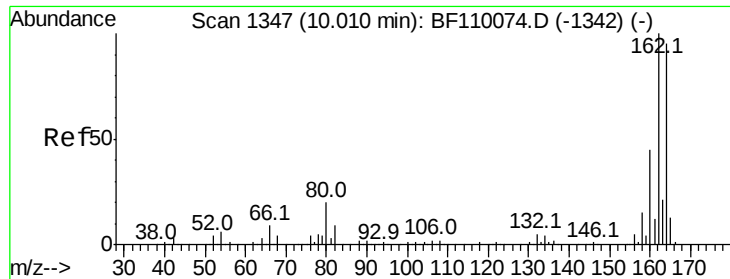
#38
1-Methylnaphthalene
Concen: 2.032 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	98.1	74.2	111.4
116	3.7	2.6	4.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





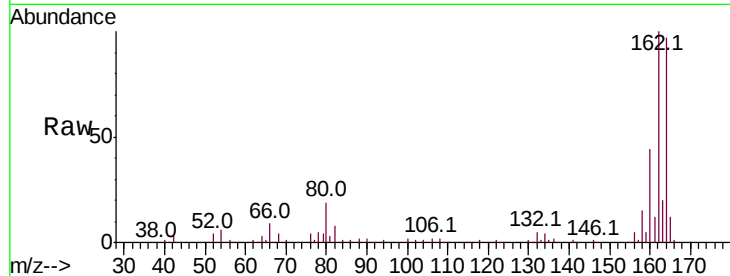
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.6
160	45.9	37.0	55.6

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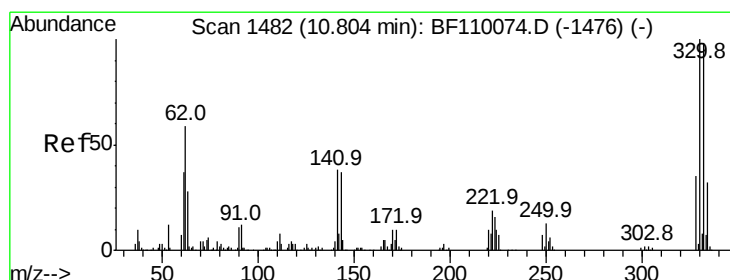
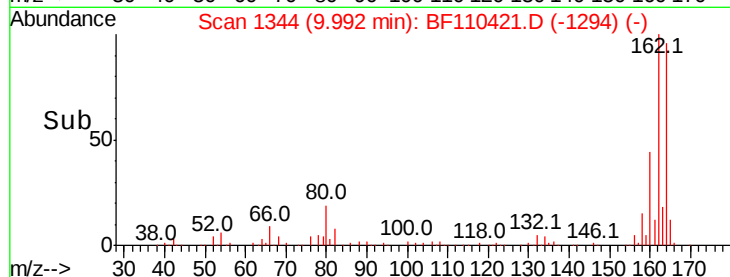
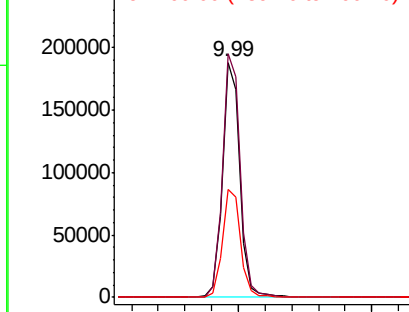


Abundance

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: 2.221 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

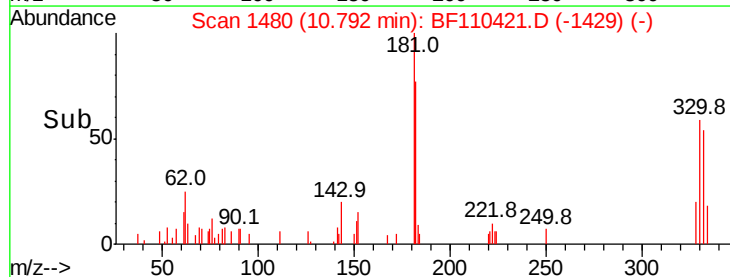
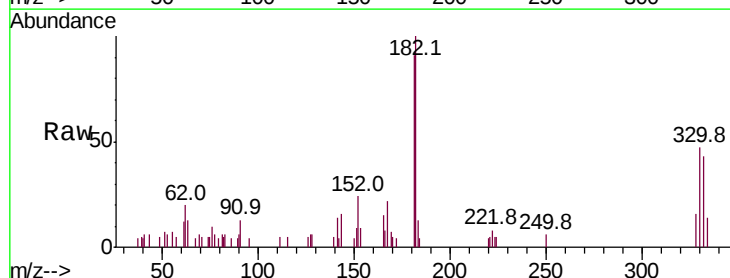
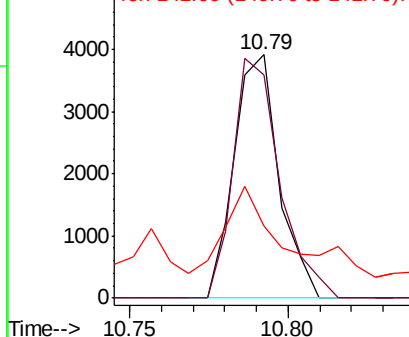
Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.0	77.1	115.7
141	86.8	27.0	40.4

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





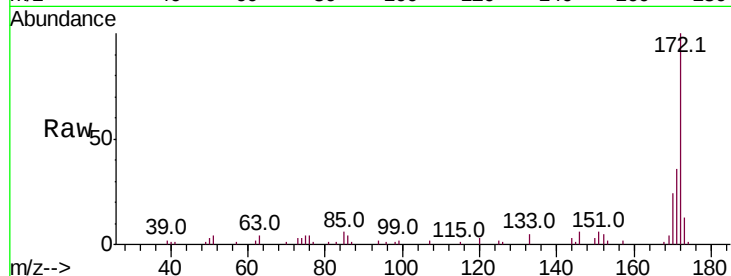
#45
2-Fluorobiphenyl
Concen: 3.391 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.8	19.7	29.5

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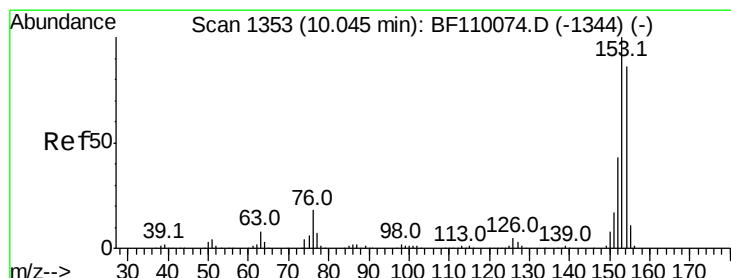
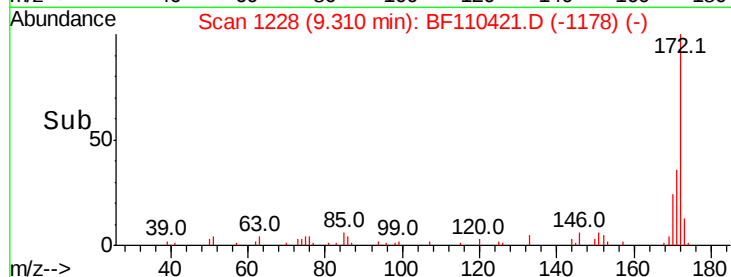
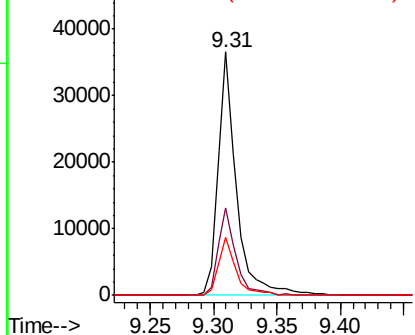


Abundance

Ion 172.00 (171.70 to 172.70): E

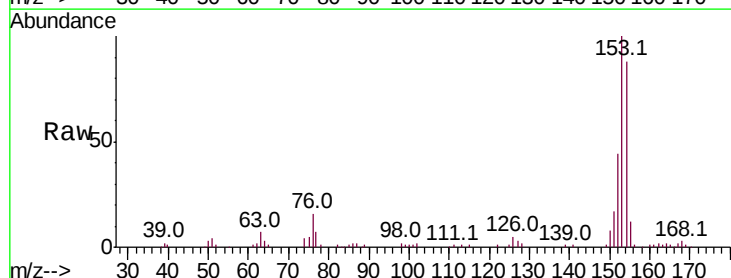
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#52
Acenaphthene
Concen: 5.247 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.1	90.1	135.1
152	50.8	43.4	65.2

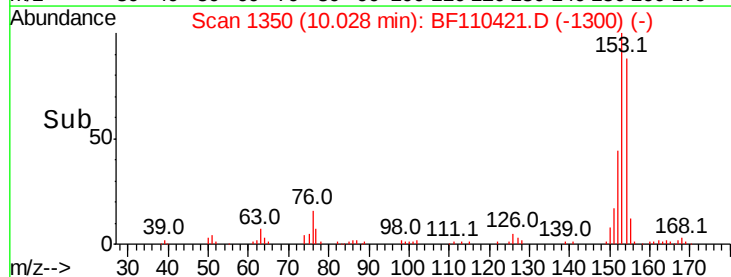
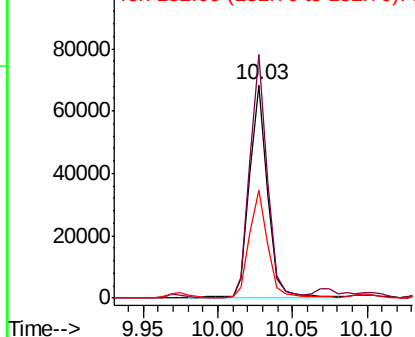


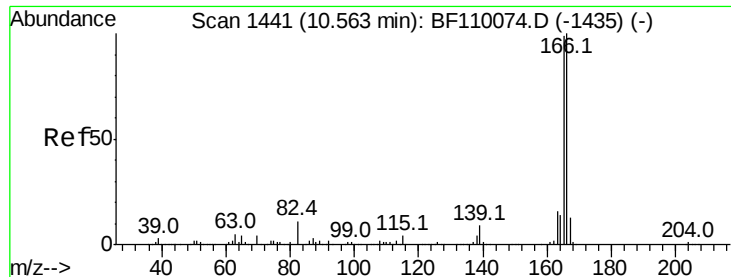
Abundance

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





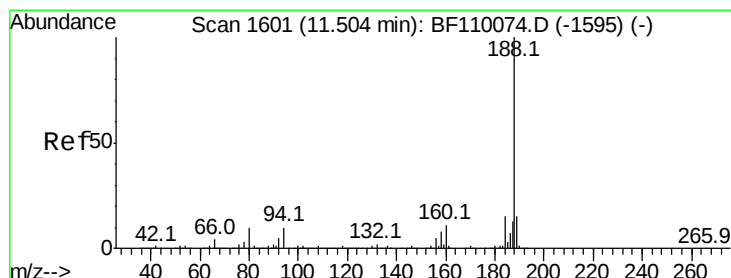
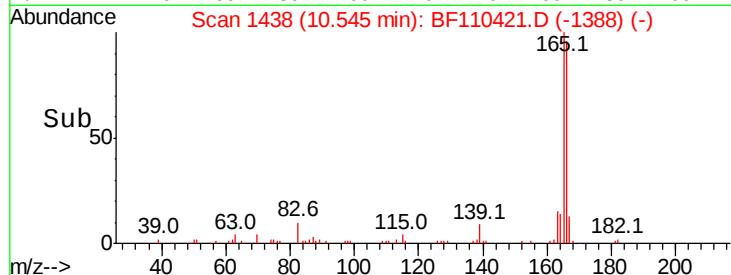
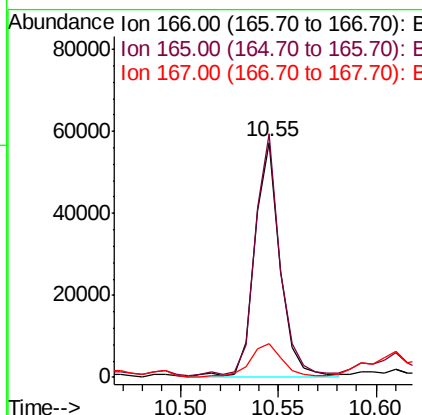
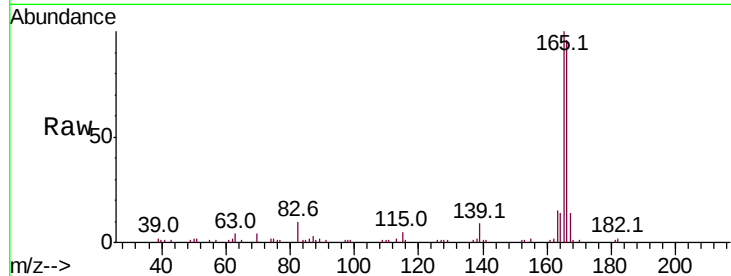
#58
 Fluorene
 Concen: 4.531 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF110421.D
 Acq: 2 Nov 2018 19:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.7	78.6	117.8
167	14.6	10.8	16.2

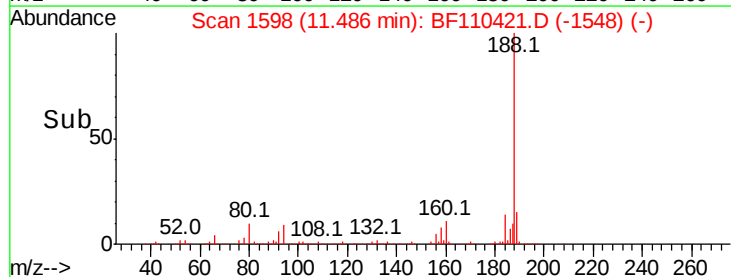
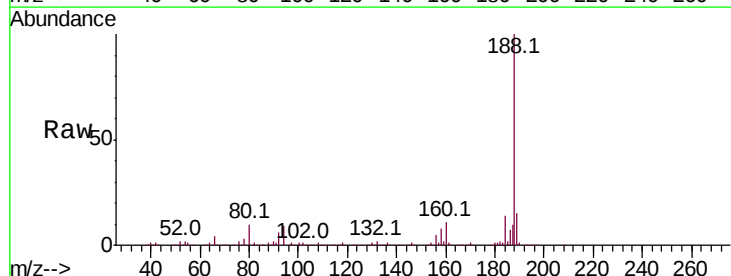
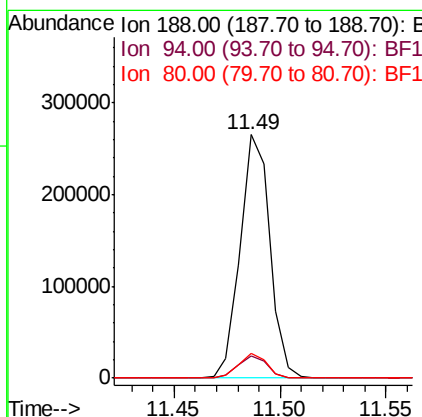
Manual Integrations
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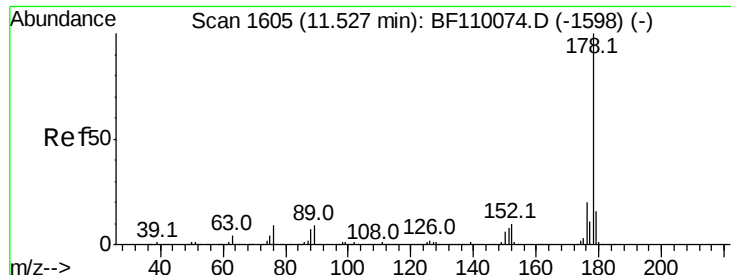
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110421.D
 Acq: 2 Nov 2018 19:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.1	7.9	11.9





#71

Phenanthrene

Concen: 86.328 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Instrument :

BNA_F

ClientSampled :

TP-6

Tot Ion:178 Resp: 1170343

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

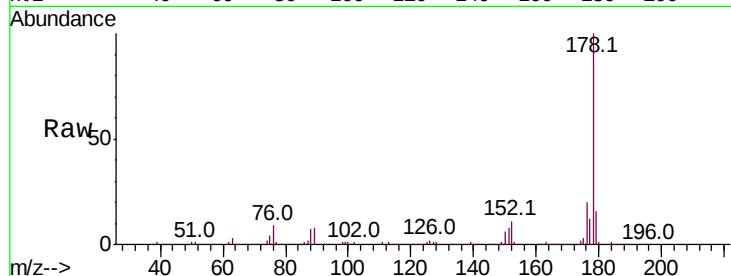
179 16.0 12.5 18.7

Manual Integrations

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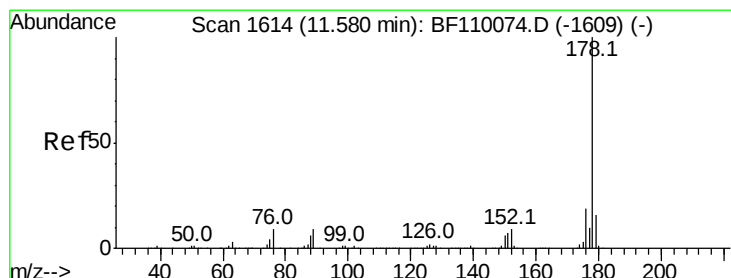
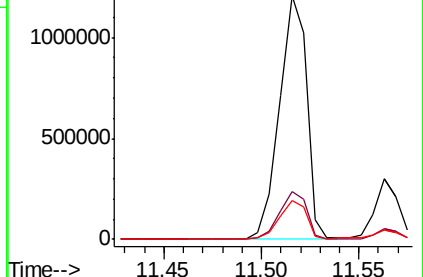
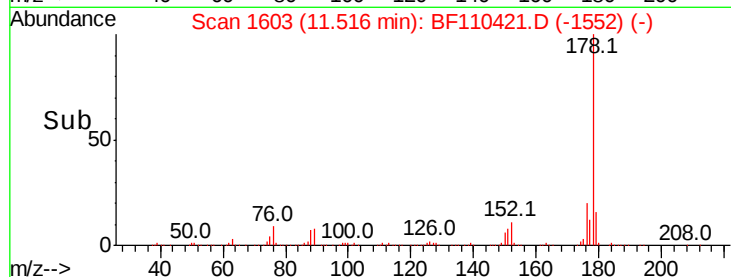
11/5/2018 10:32:46 AM



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: 18.767 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

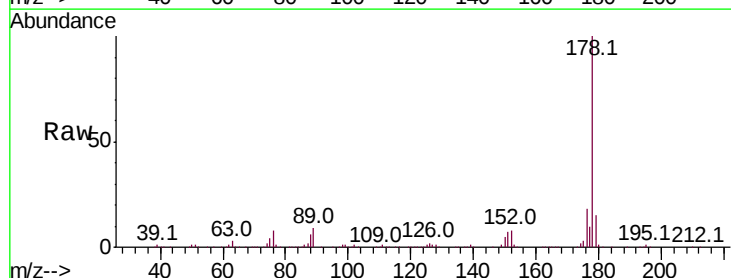
Tgt Ion:178 Resp: 255021

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

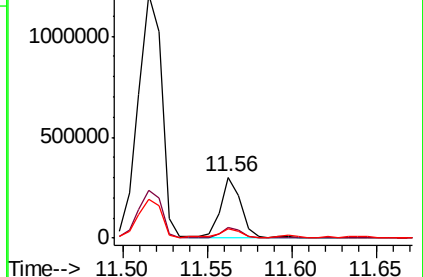
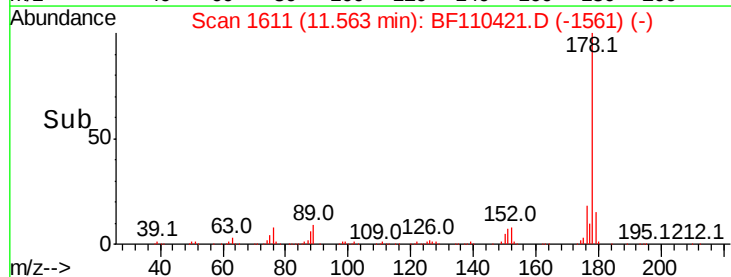
179 15.3 12.6 18.8

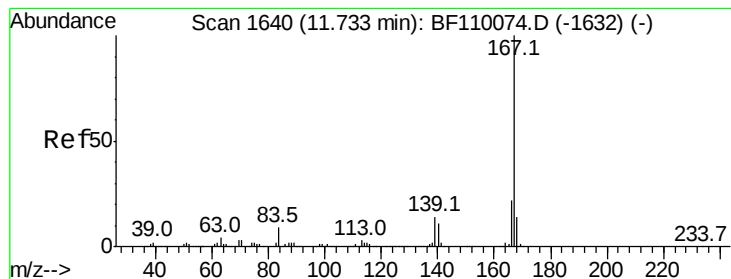


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 2.945 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Instrument :

BNA_F

ClientSampled :

TP-6

Tot Ion:167 Resp: 39075

Ion Ratio Lower Upper

167 100

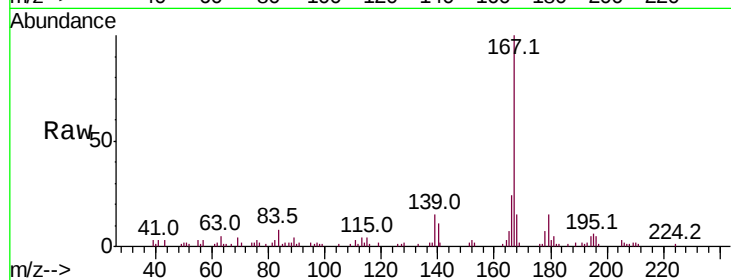
166 24.3 17.4 26.0

139 14.8 10.9 16.3

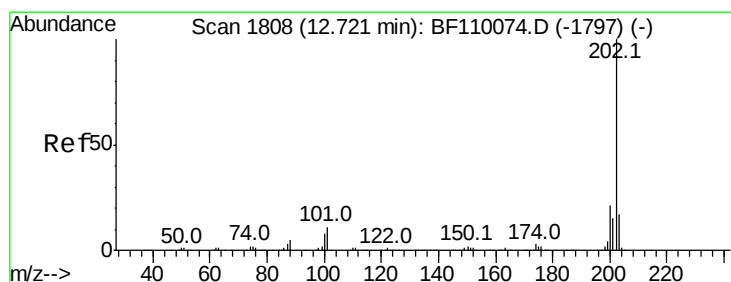
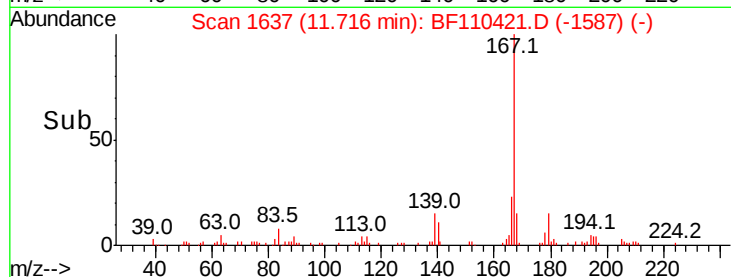
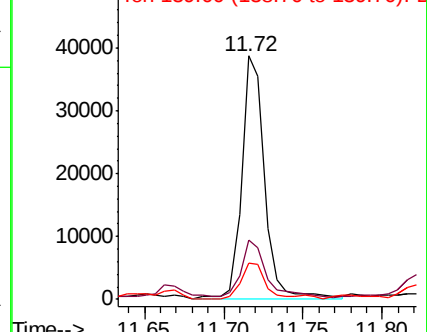
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 87.085 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

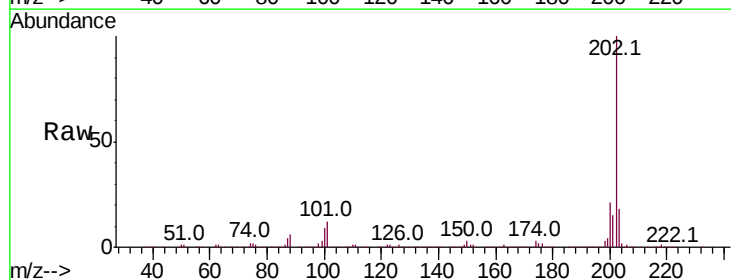
Tgt Ion:202 Resp: 1198189

Ion Ratio Lower Upper

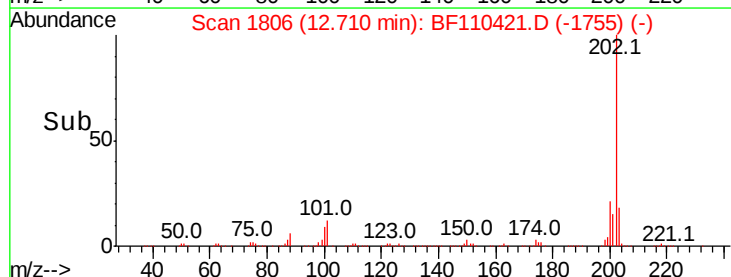
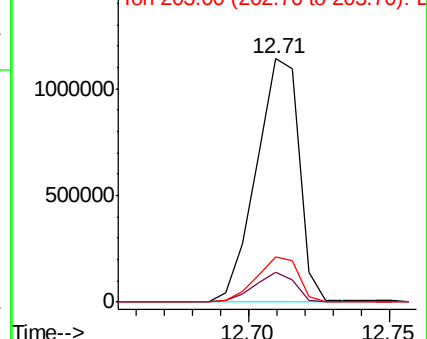
202 100

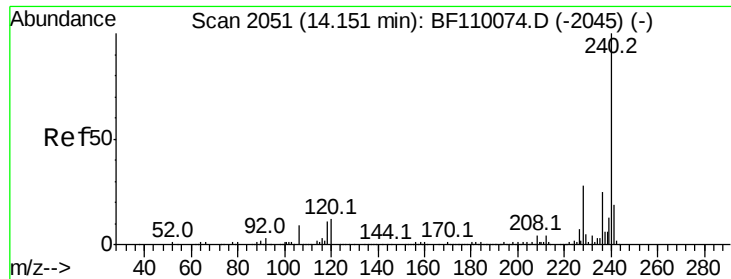
101 12.3 0.0 31.4

203 18.4 0.0 37.7



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





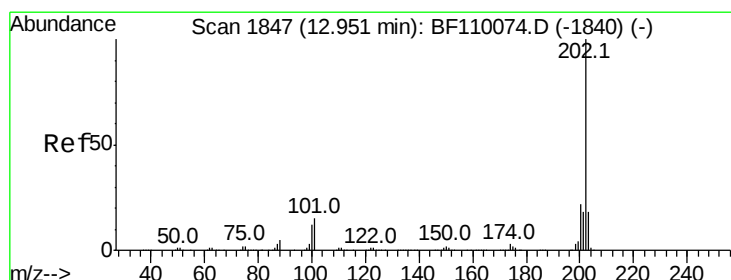
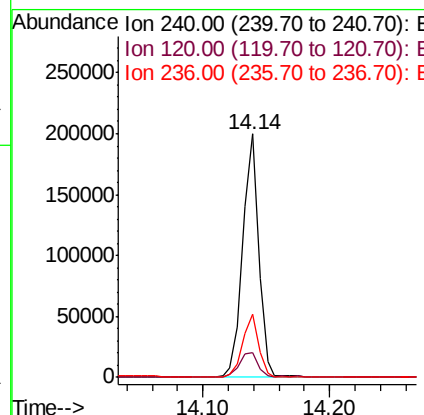
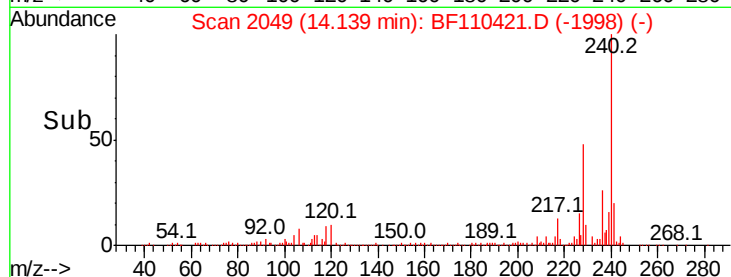
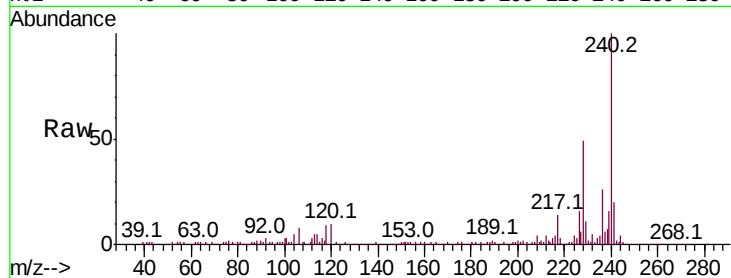
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.3	12.5
236	25.9	21.2	31.8

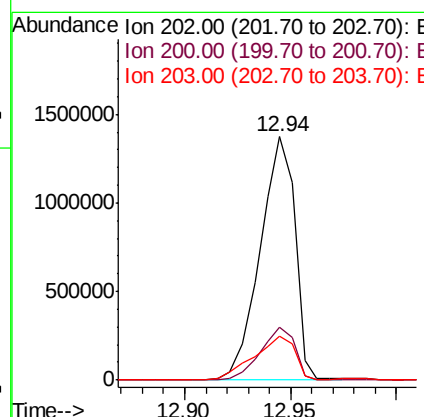
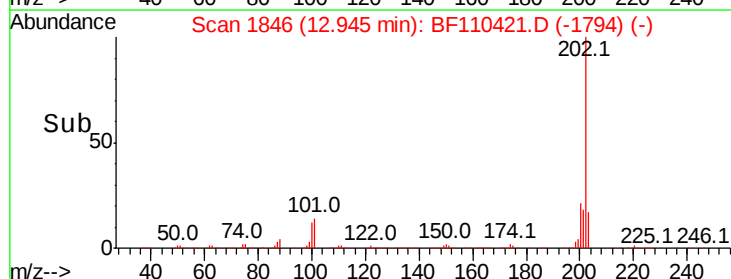
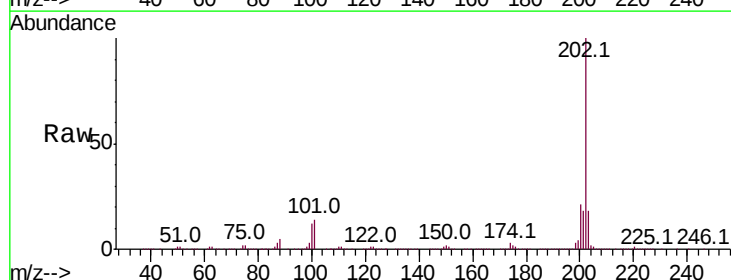
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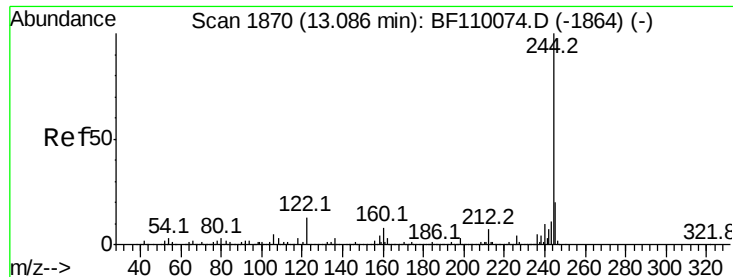
Sohil
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#78
Pyrene
Concen: 125.806 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	18.0	14.2	21.4





#79

Terphenyl-d14

Concen: 2.833 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Instrument :

BNA_F

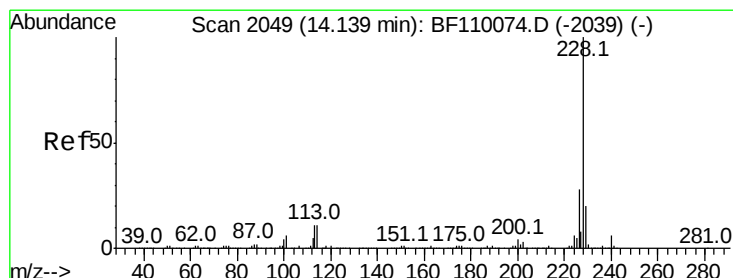
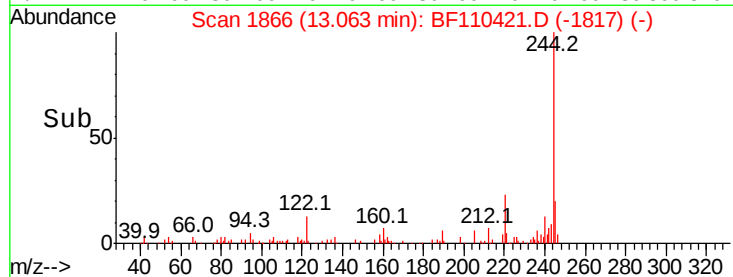
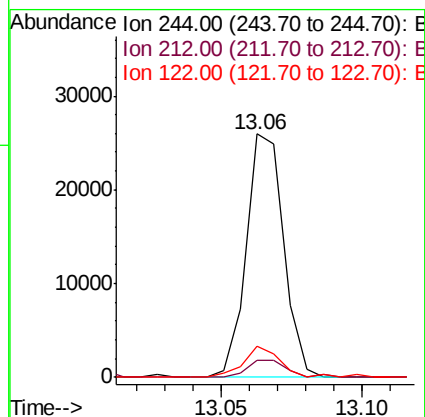
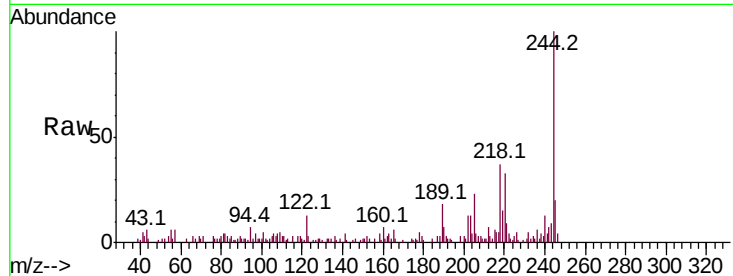
ClientSampled :

TP-6

Tot Ion:	244	Resp:	23760
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	12.9	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 62.391 ng

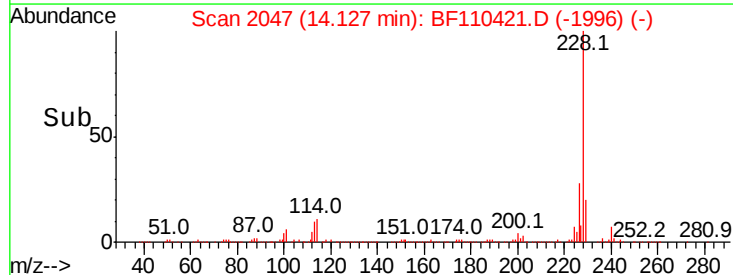
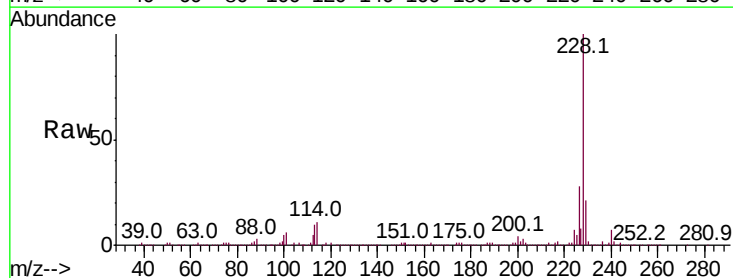
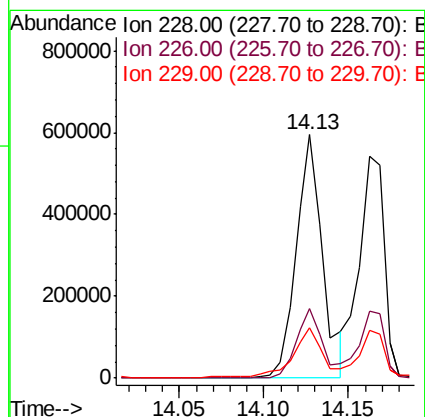
RT: 14.13 min Scan# 2047

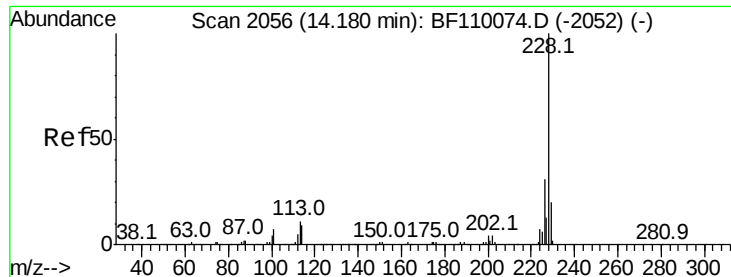
Delta R.T. 0.00 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Tgt Ion:	228	Resp:	645337
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.1	33.1
229	20.6	15.6	23.4





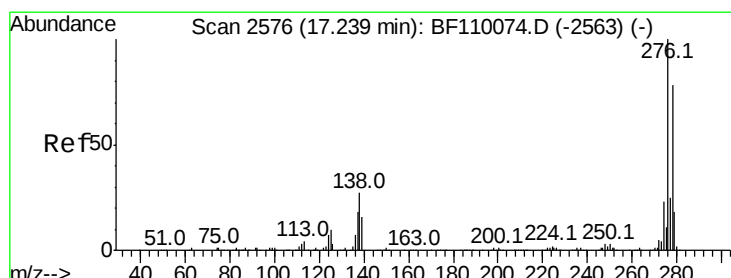
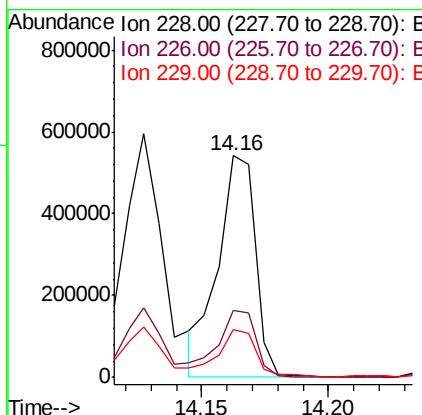
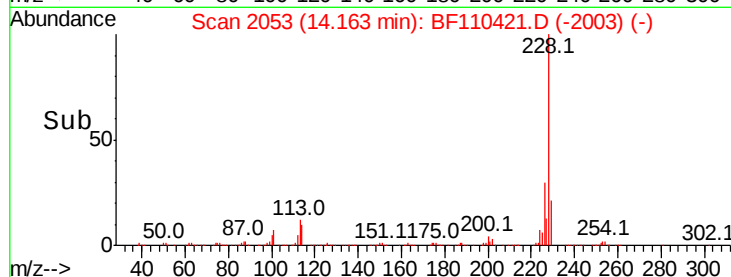
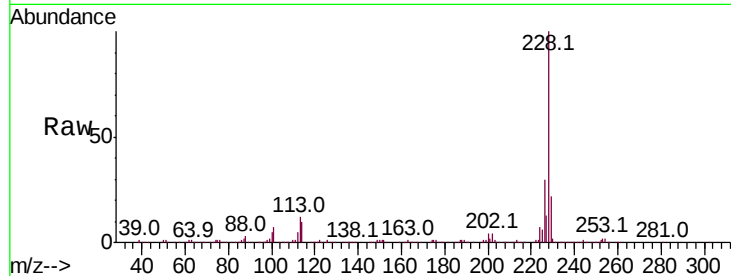
#83
Chrysene
Concen: 56.814 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :
TP-6

Tot Ion:	228	Resp:	558159
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.7	37.1
229	21.7	15.9	23.9

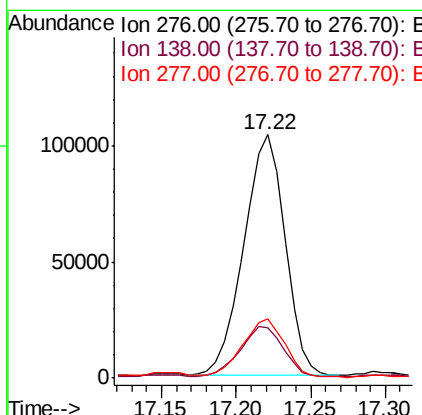
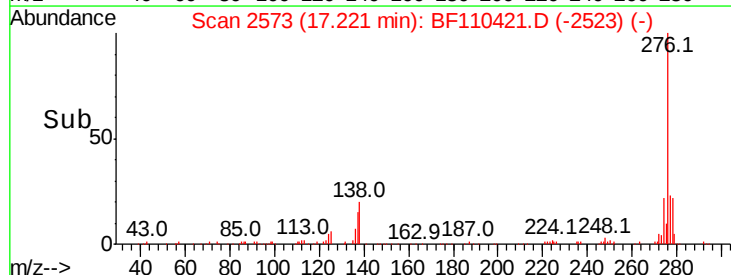
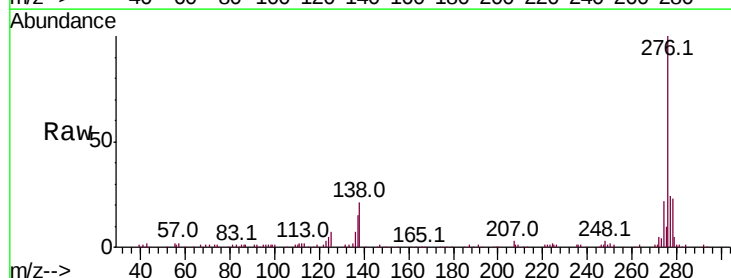
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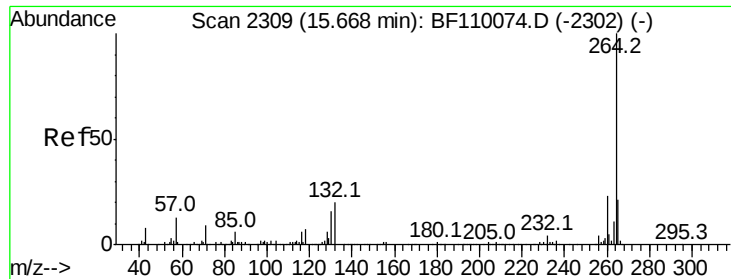
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#86
Indeno(1,2,3-cd)pyrene
Concen: 24.419 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:	276	Resp:	199020
Ion Ratio	Lower	Upper	
276	100		
138	22.3	18.5	27.7
277	25.0	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Instrument :

BNA_F

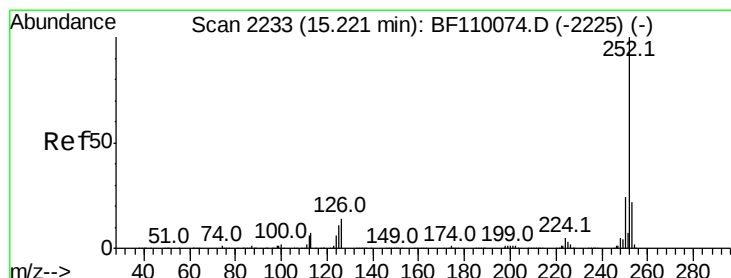
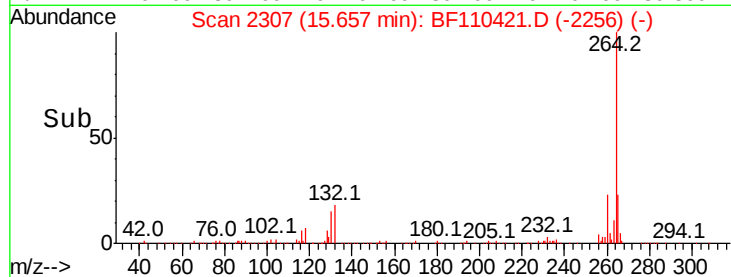
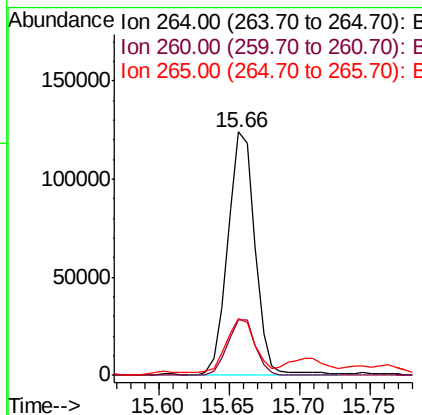
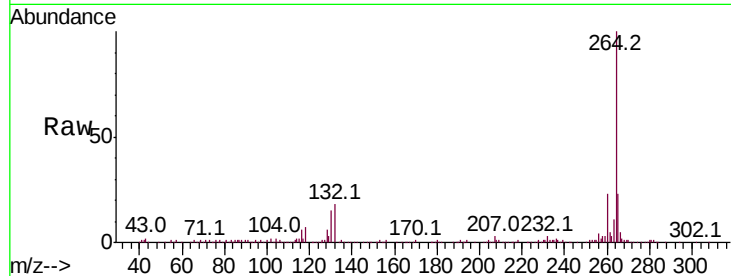
ClientSampleId :

TP-6

Tot Ion:	264	Resp:	165097
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.7	28.1
265	23.1	16.7	25.1

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 59.847 ng m

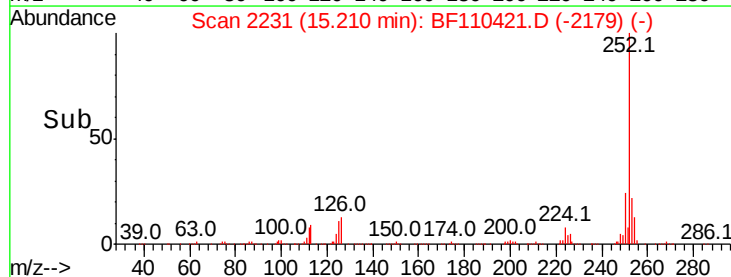
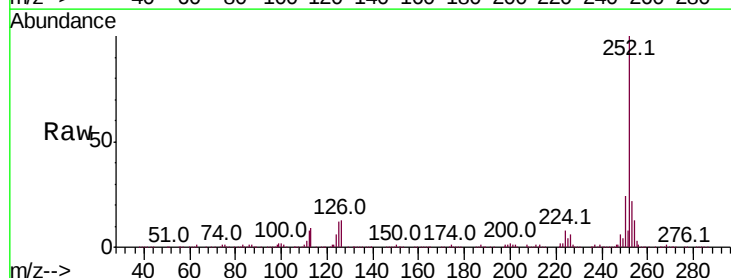
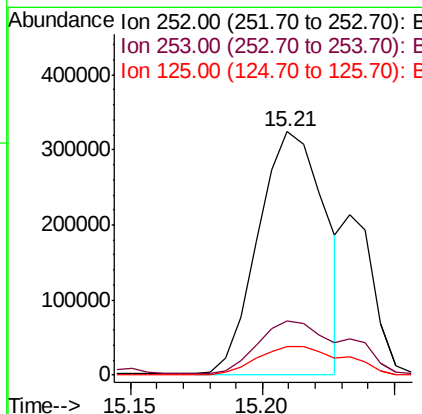
RT: 15.21 min Scan# 2231

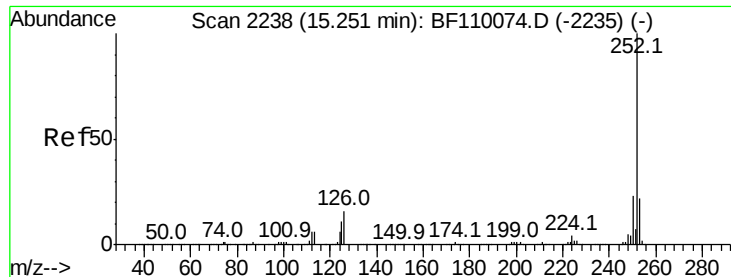
Delta R.T. 0.01 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Tgt Ion:	252	Resp:	570570
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	11.7	8.2	12.4





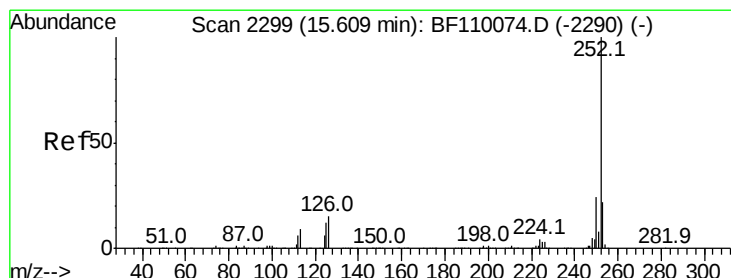
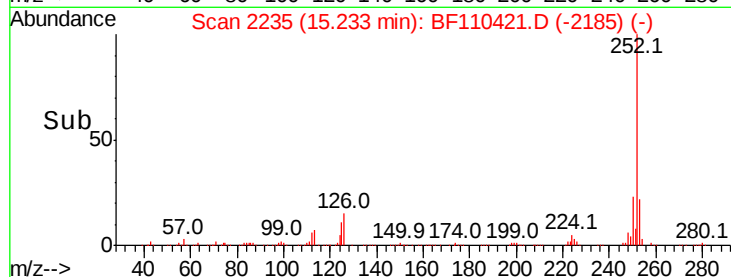
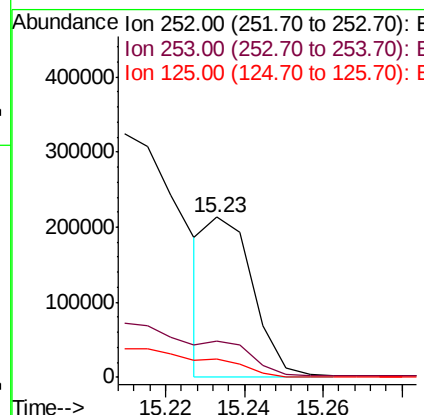
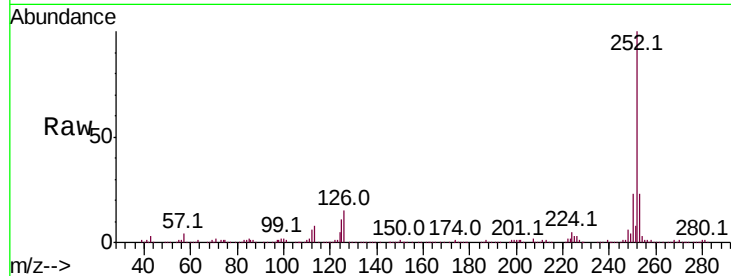
#89
Benzo(k)fluoranthene
Concen: 18.587 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.2	7.4	11.0

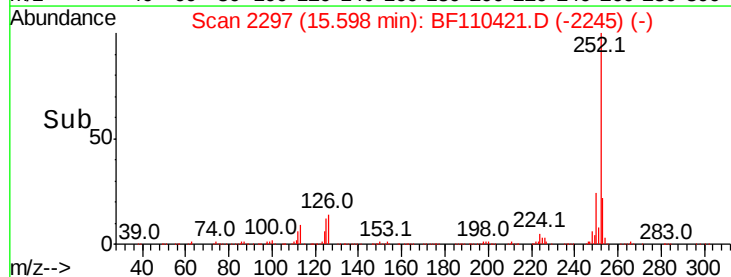
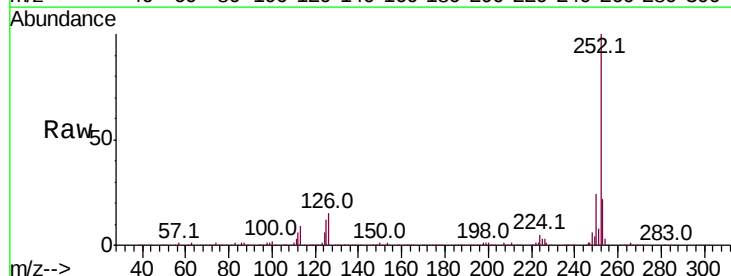
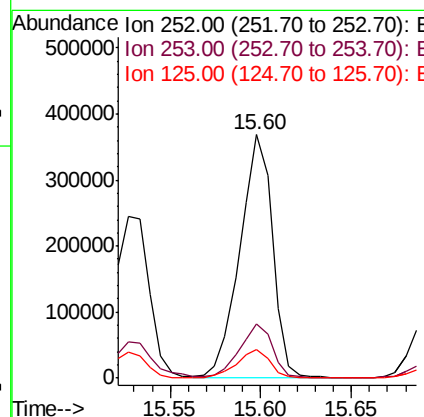
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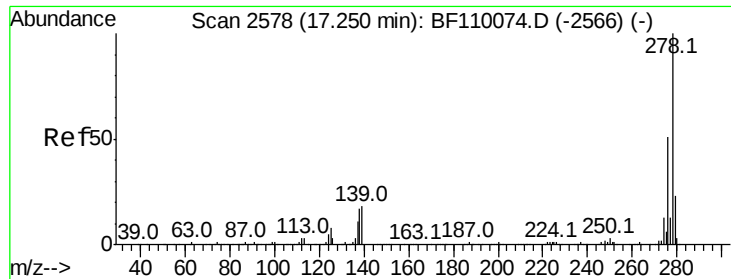
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#90
Benzo(a)pyrene
Concen: 52.099 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	11.8	9.0	13.6





#91

Dibenzo(a,h)anthracene

Concen: 7.126 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.02 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Instrument :

BNA_F

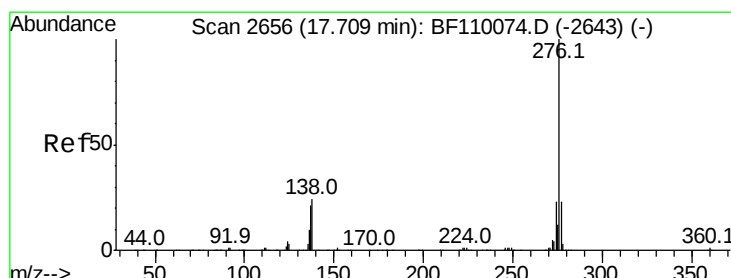
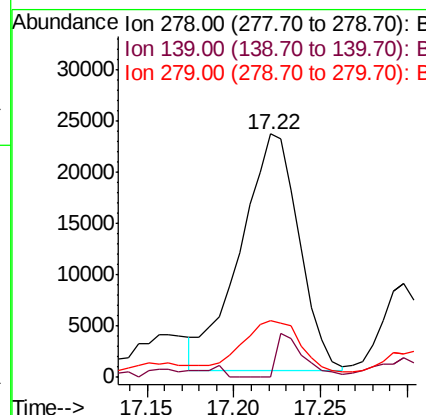
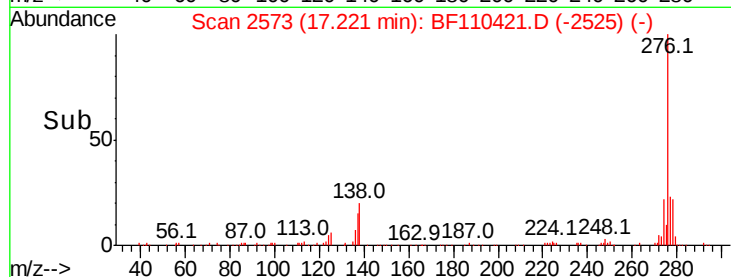
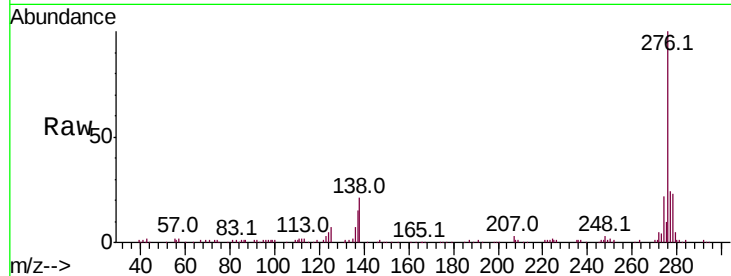
ClientSampleId :

TP-6

Tot Ion:	278	Resp:	53940
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.7	19.1#
279	23.4	19.0	28.4

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 29.509 ng

RT: 17.70 min Scan# 2655

Delta R.T. 0.00 min

Lab File: BF110421.D

Acq: 2 Nov 2018 19:34

Tgt Ion:	276	Resp:	220109
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.8	28.2
138	22.3	16.0	24.0

