

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121779.D
 Acq On : 1 Oct 2020 21:20
 Operator : JU/CG
 Sample : L4193-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-12(9-11)

Manual Integrations
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 10/2/2020 12:13:52 PM

Quant Time: Oct 02 01:06:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	119873	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	420059	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	174092	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	295601	20.00	ng	0.00
76) Chrysene-d12	13.94	240	278877	20.00	ng	0.00
86) Perylene-d12	15.38	264	254740	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	643572	79.79	ng	0.00
7) Phenol-d6	6.42	99	797943	75.40	ng	0.00
23) Nitrobenzene-d5	7.34	82	520788	66.57	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	156717	72.43	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	795685	69.22	ng	0.00
79) Terphenyl-d14	12.88	244	712488	51.76	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.08	128	104724	4.723	ng	99
37) 2-Methylnaphthalene	8.77	142	29217	2.011	ng	98
49) Acenaphthylene	9.67	152	71527	4.239	ng	# 89
50) Dimethylphthalate	9.53	163	61871	4.903	ng	# 84
52) Acenaphthene	9.85	154	49868	4.679	ng	99
55) Dibenzofuran	10.02	168	50039	3.334	ng	# 89
58) Fluorene	10.36	166	65833	5.735	ng	# 97
71) Phenanthrene	11.33	178	685689	42.575	ng	99
72) Anthracene	11.37	178	219492	13.206	ng	99
73) Carbazole	11.53	167	77157	5.144	ng	# 95
75) Fluoranthene	12.52	202	1176055	68.405	ng	99
78) Pyrene	12.75	202	1083269	53.165	ng	100
81) Benzo(a)anthracene	13.93	228	697850	39.554	ng	97
83) Chrysene	13.96	228	579442	32.433	ng	98
87) Indeno(1,2,3-cd)pyrene	16.80	276	293713	17.705	ng	94
88) Benzo(b)fluoranthene	14.97	252	791904m	46.502	ng	
89) Benzo(k)fluoranthene	14.99	252	212822m	13.647	ng	
90) Benzo(a)pyrene	15.32	252	517927	35.779	ng	95
91) Dibenzo(a,h)anthracene	16.80	278	77564m	5.617	ng	
92) Benzo(a,h,i)perylene	17.23	276	262682	19.351	ng	99

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

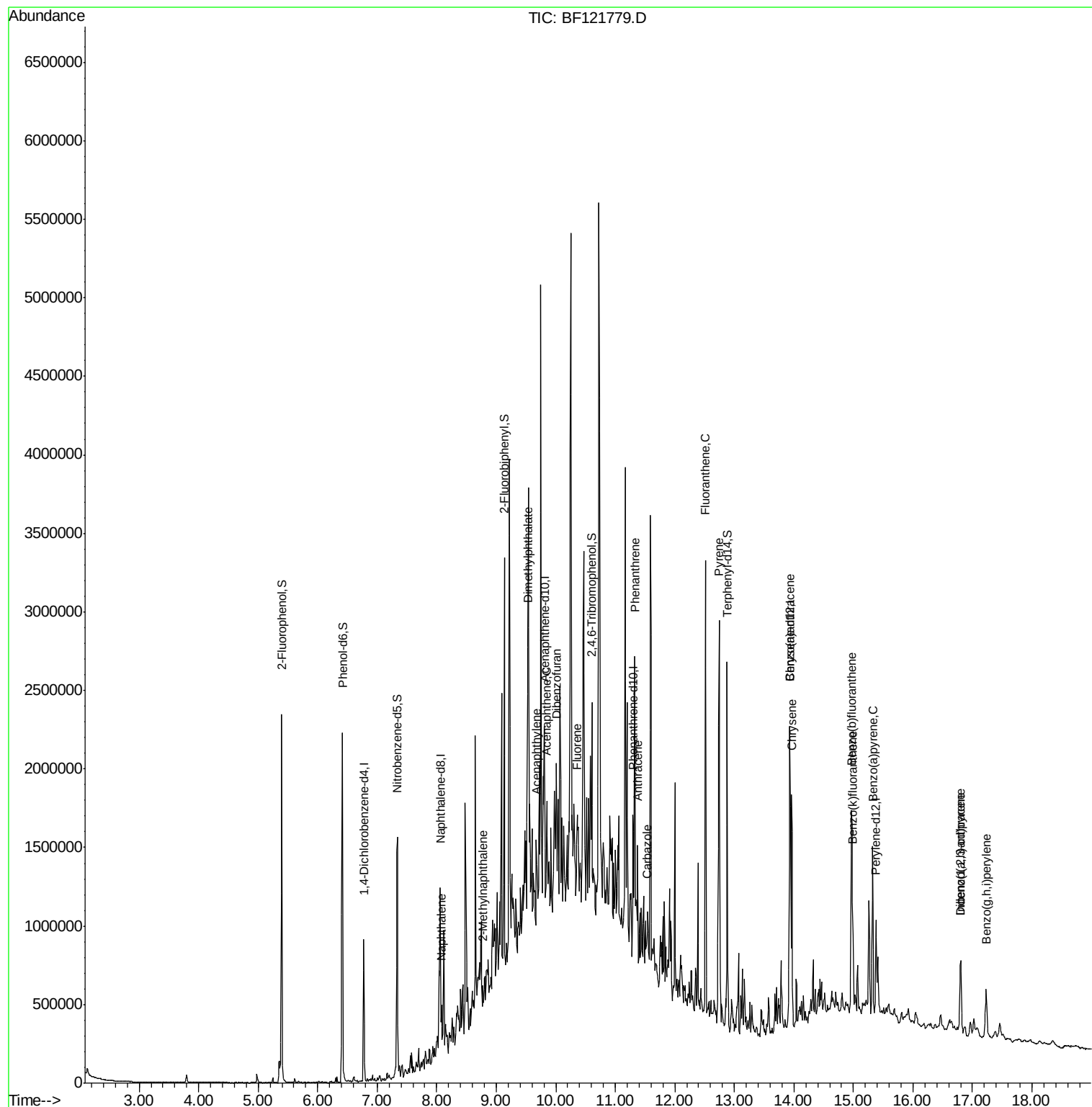
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

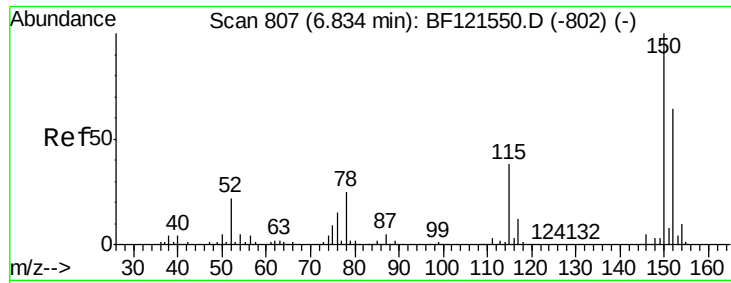
Instrument :
BNA_F
ClientSampleId :
B-12(9-11)

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Quant Time: Oct 02 01:06:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

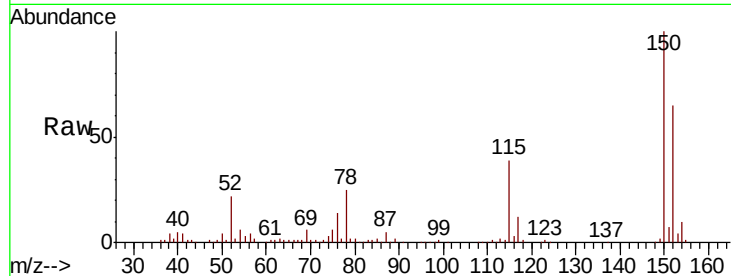
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampleId :
B-12(9-11)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.3	187.9
115	59.4	51.9	77.9

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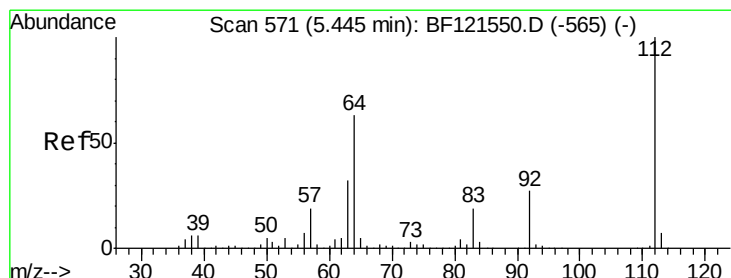
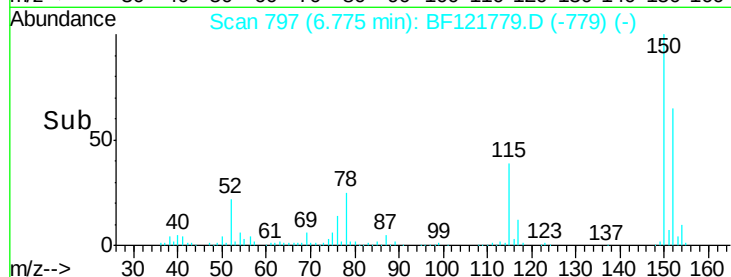
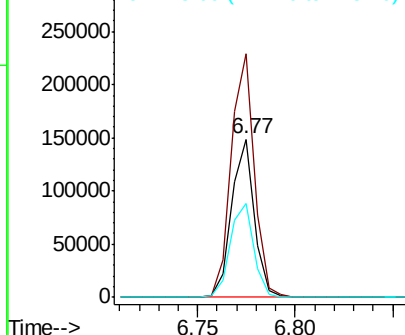


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

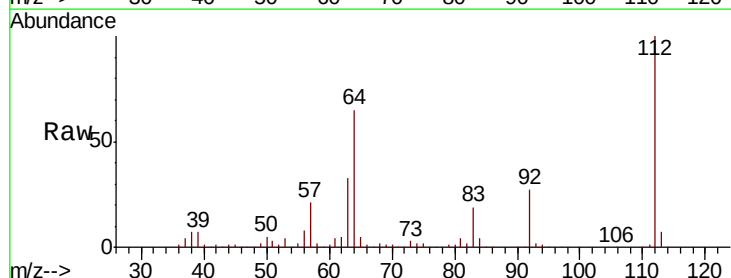
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.787 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	50.4	75.6
63	33.0	25.8	38.6

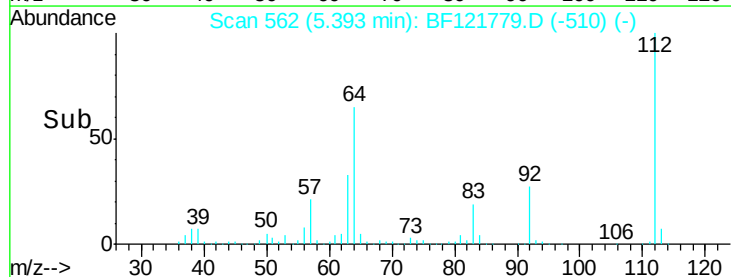
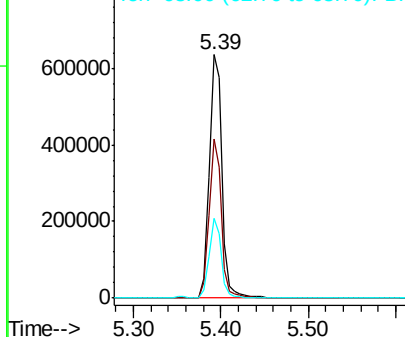


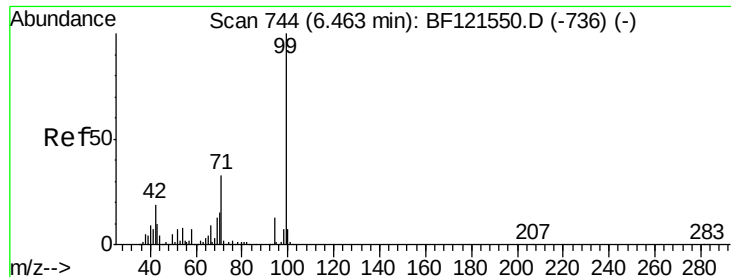
Abundance

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: 75.404 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Instrument :

BNA_F

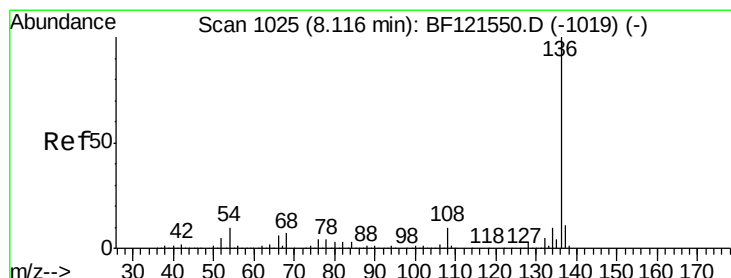
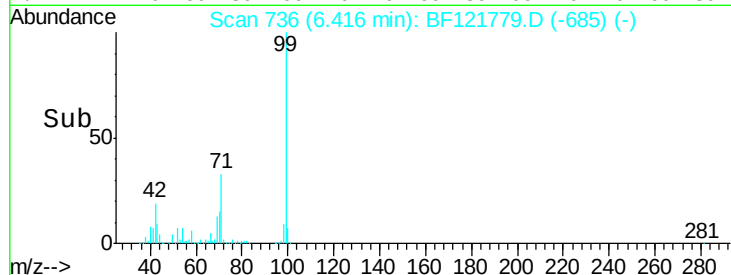
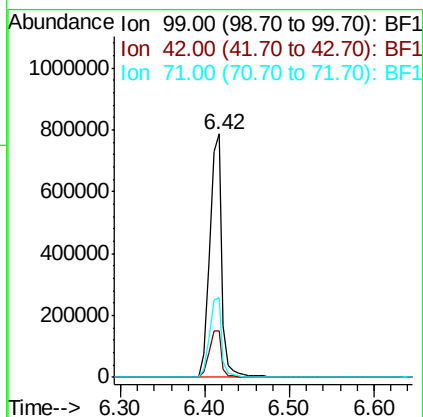
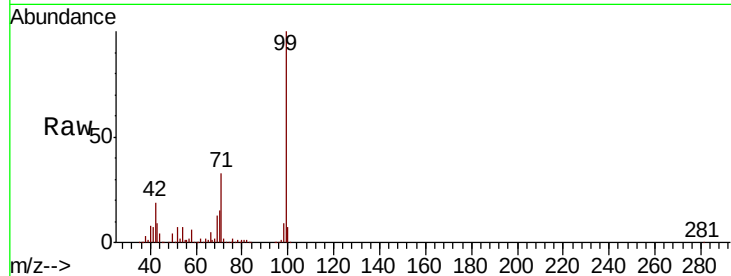
ClientSampled :

B-12(9-11)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		797943		
42	19.0	15.9	23.9		
71	32.9	27.1	40.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

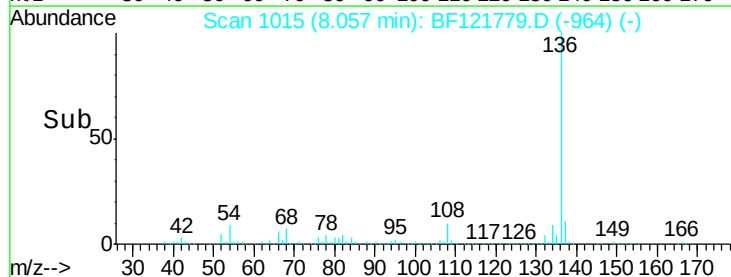
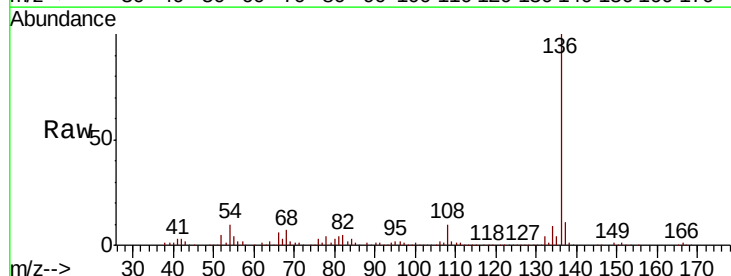
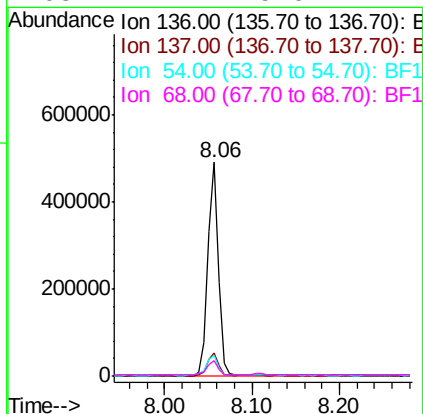
RT: 8.06 min Scan# 1015

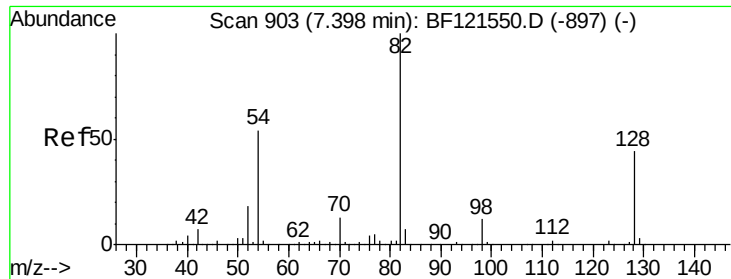
Delta R.T. 0.00 min

Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		420059		
137	10.9	8.6	13.0		
54	9.6	7.1	10.7		
68	7.4	5.0	7.4		





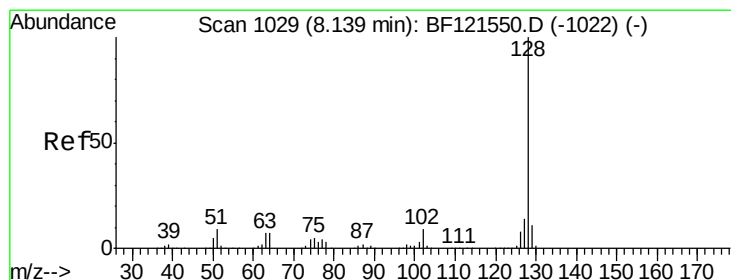
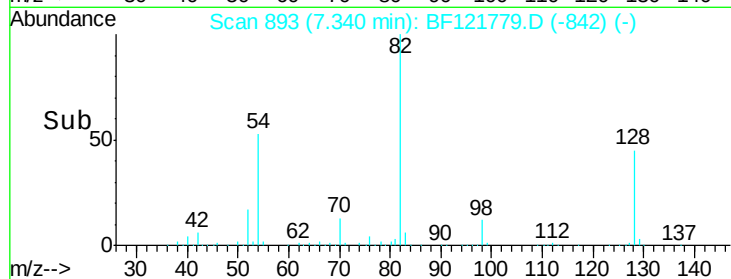
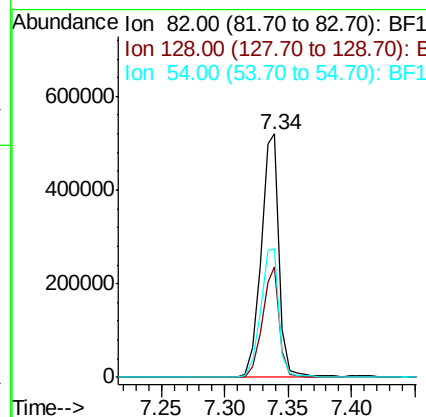
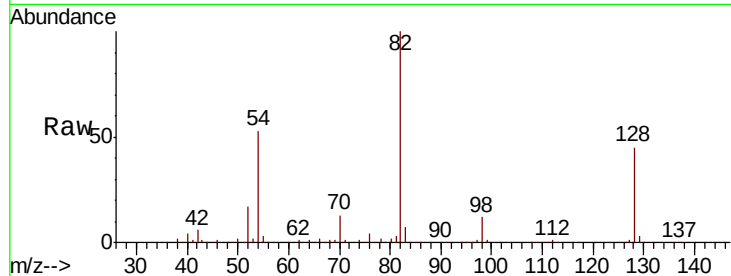
#23
Nitrobenzene-d5
Concen: 66.567 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	35.0	52.4	
54	52.7	43.9	65.9	

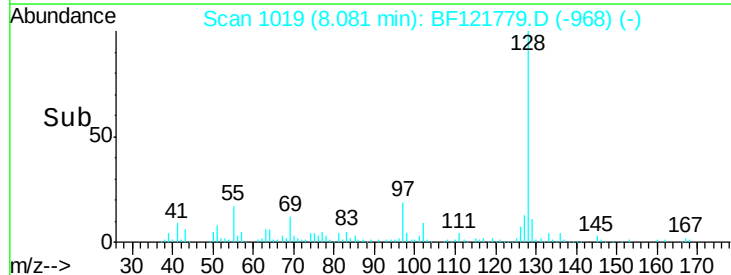
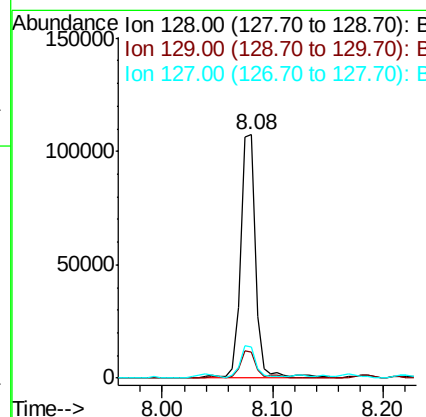
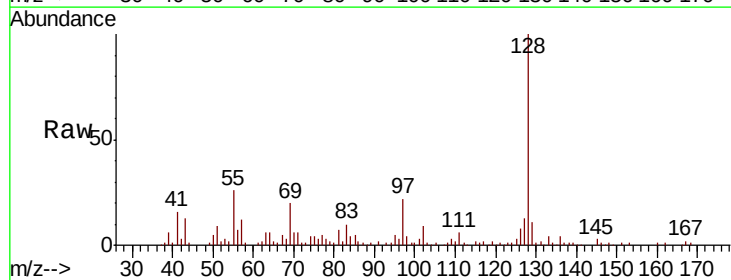
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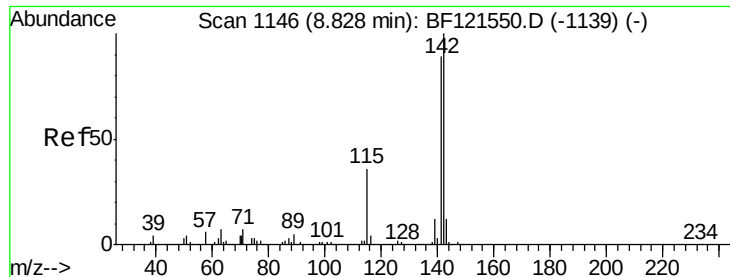
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#31
Naphthalene
Concen: 4.723 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	8.7	13.1	
127	12.9	10.8	16.2	





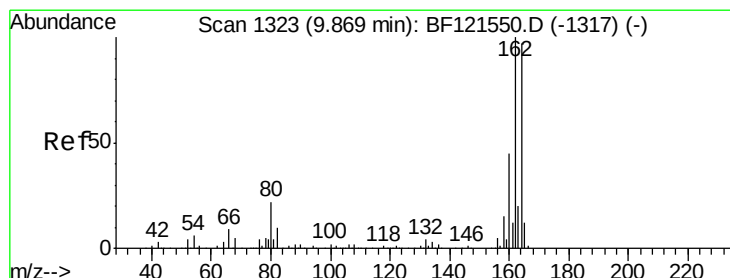
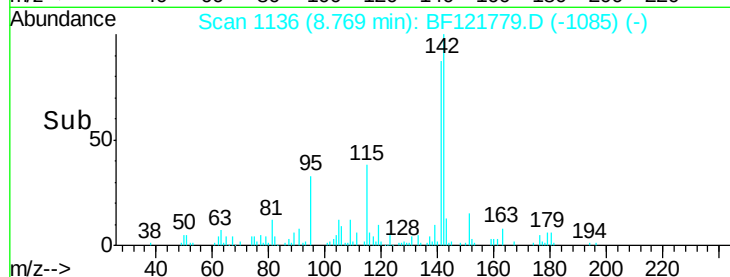
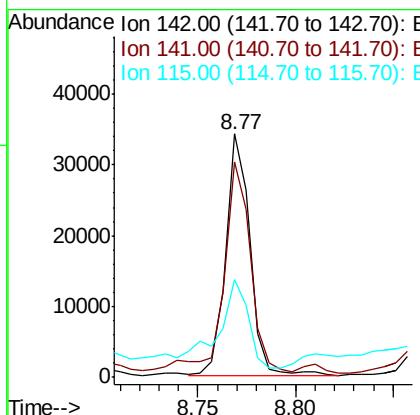
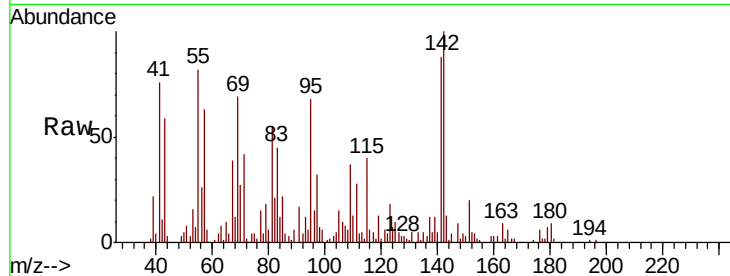
#37
2-Methylnaphthalene
Concen: 2.011 ng
RT: 8.77 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampleId :
B-12(9-11)

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.2	105.4
115	39.9	28.6	43.0

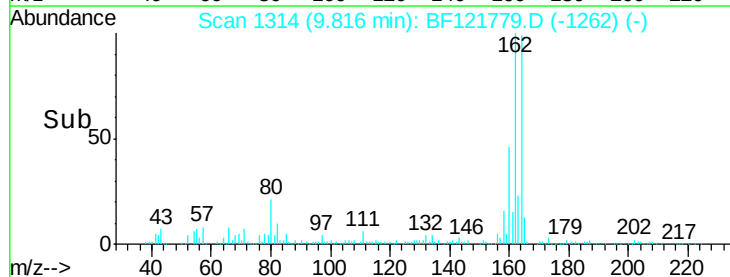
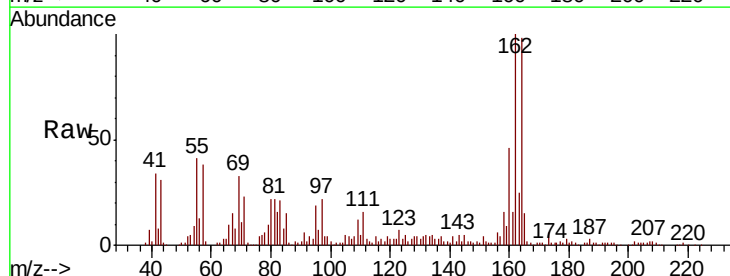
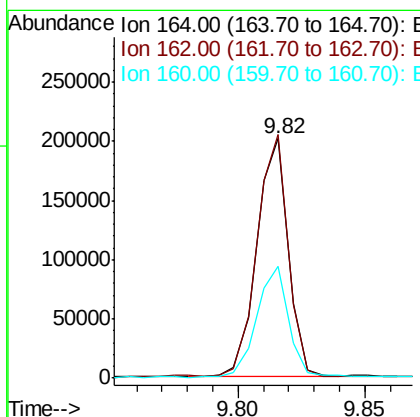
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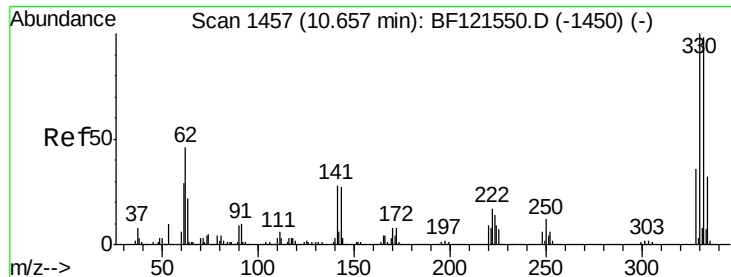
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	83.2	124.8
160	46.5	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 72.429 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Instrument :

BNA_F

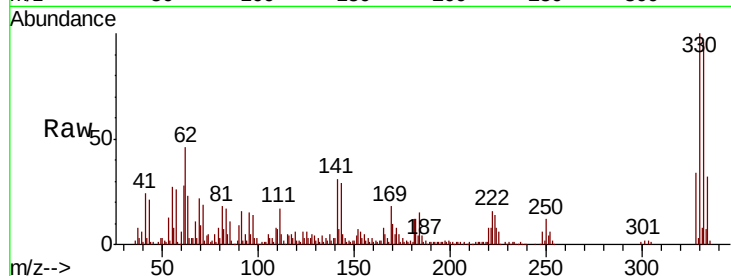
ClientSampled :

B-12(9-11)

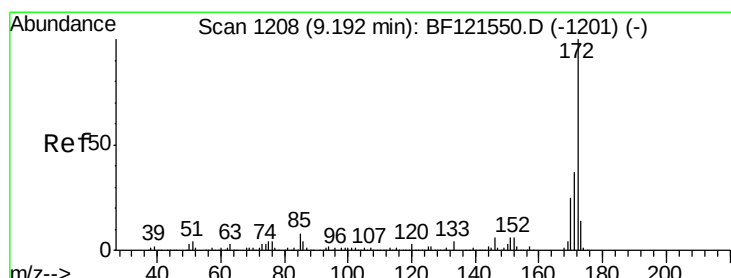
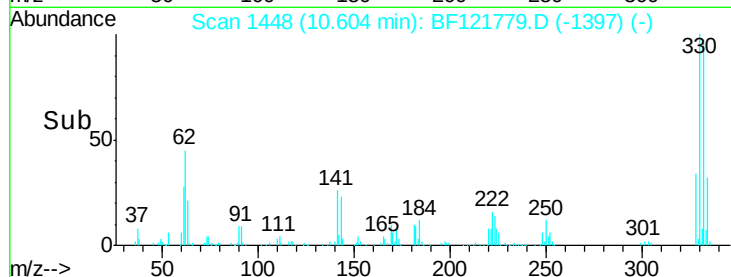
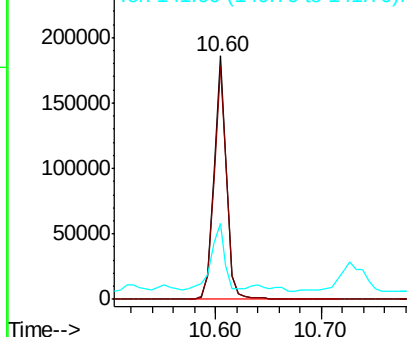
Tot Ion:	330	Resp:	156717
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.3	115.9
141	28.8	22.3	33.5

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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: 69.221 ng

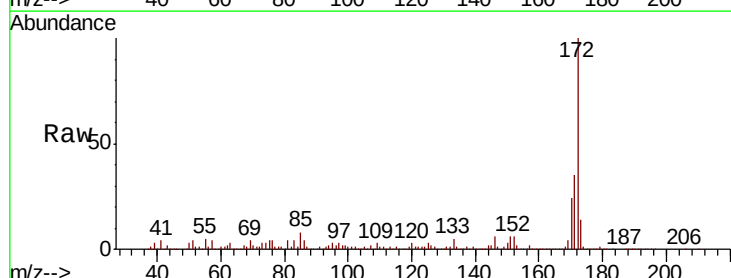
RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

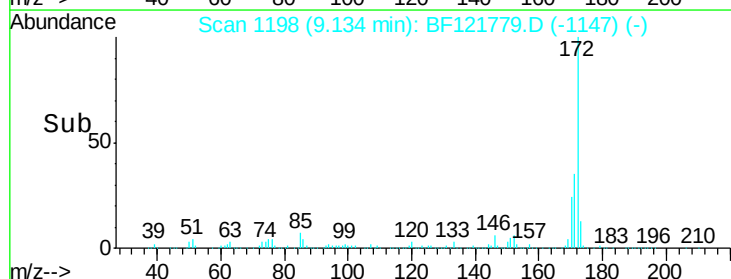
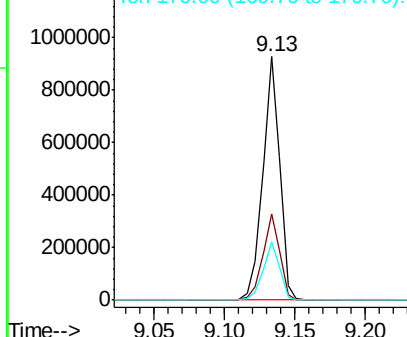
Lab File: BF121779.D

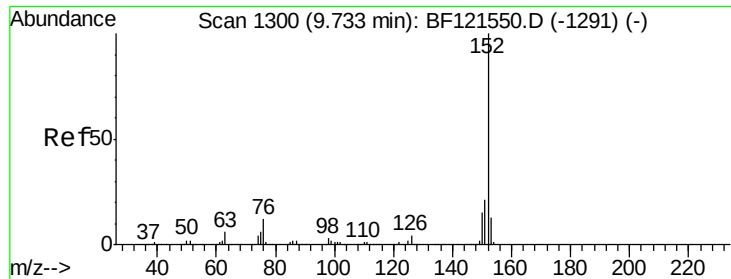
Acq: 1 Oct 2020 21:20

Tgt Ion:	172	Resp:	795685
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.1	43.7
170	23.9	19.8	29.6



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: 4.239 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.00 min

Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Instrument :

BNA_F

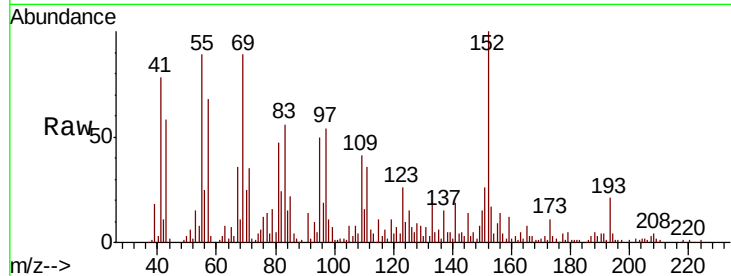
ClientSampleId :

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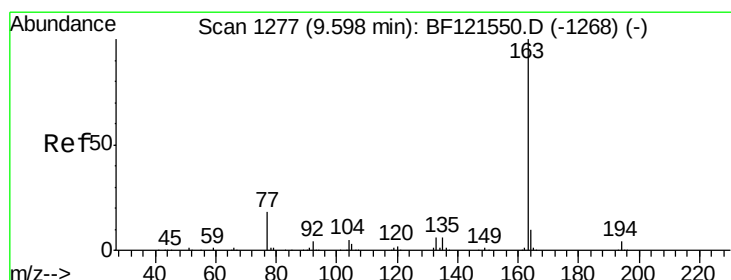
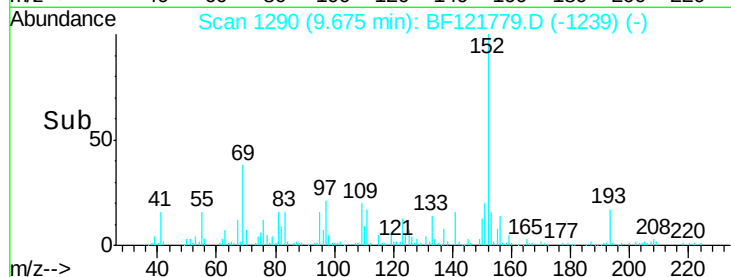
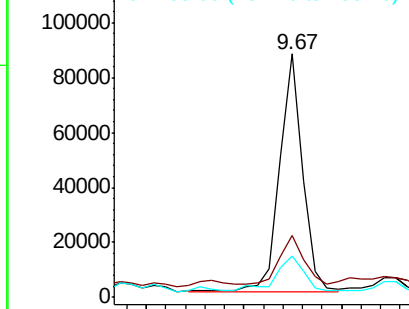
Tot Ion:	152	Resp:	71527
Ion Ratio	Lower	Upper	
152	100		
151	25.6	16.4	24.6#
153	17.1	10.6	15.8#

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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: 4.903 ng

RT: 9.53 min Scan# 1265

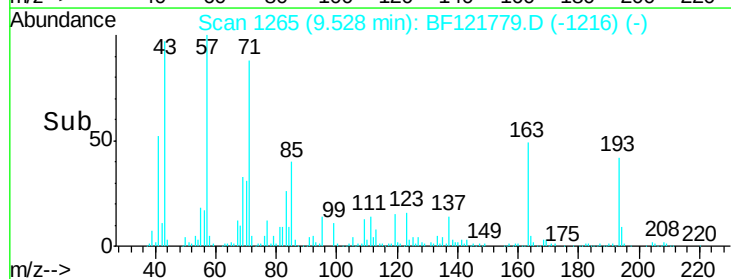
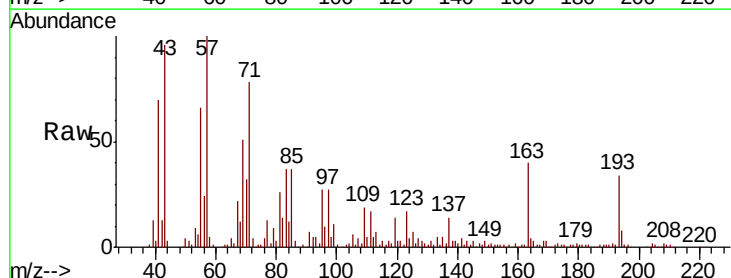
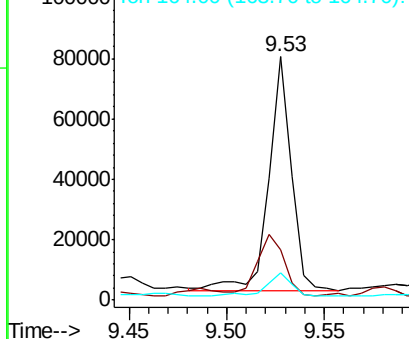
Delta R.T. -0.01 min

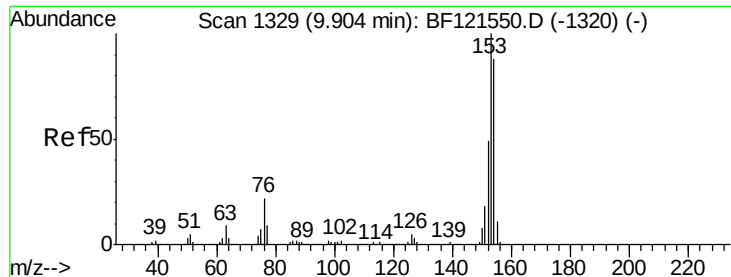
Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Tgt Ion:	163	Resp:	61871
Ion Ratio	Lower	Upper	
163	100		
194	20.6	3.3	4.9#
164	11.0	8.2	12.4

Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 4.679 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Instrument :

BNA_F

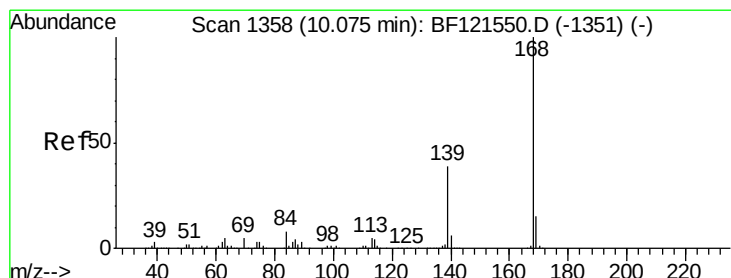
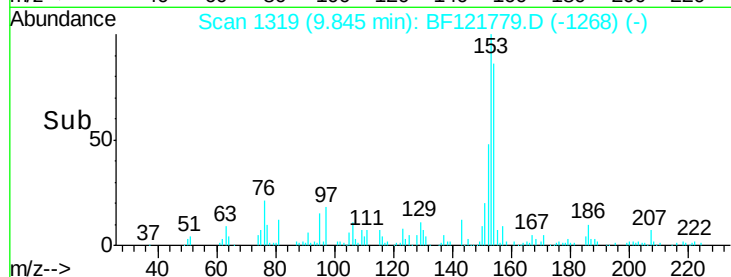
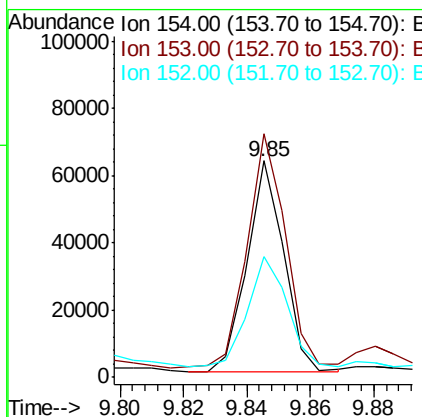
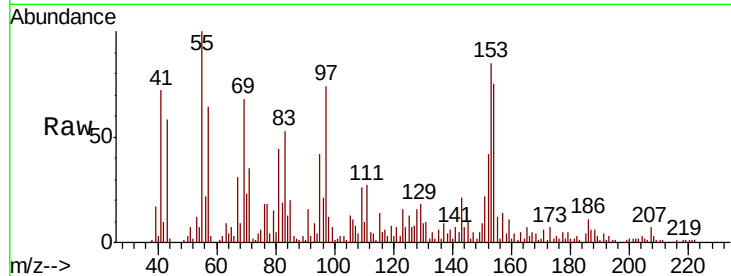
ClientSampleId :

B-12(9-11)

Tot Ion:	154	Resp:	49868
Ion Ratio	Lower	Upper	
154	100		
153	112.6	89.8	134.8
152	55.6	43.2	64.8

Manual Integrations
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#55

Dibenzofuran

Concen: 3.334 ng

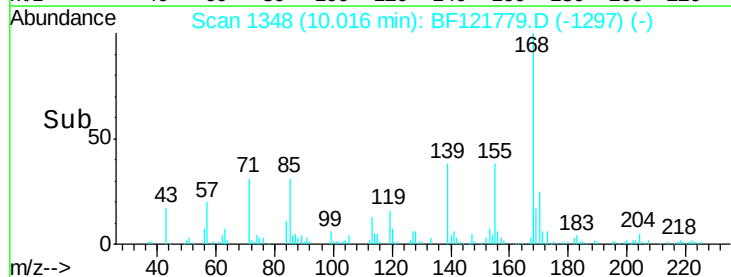
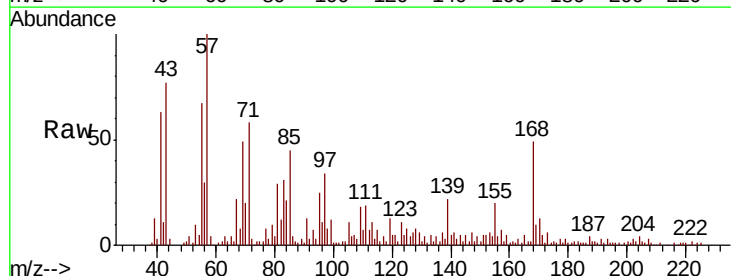
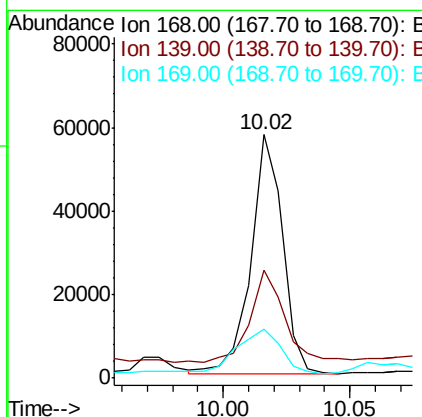
RT: 10.02 min Scan# 1348

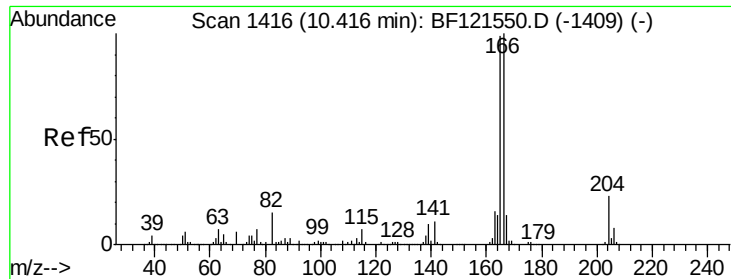
Delta R.T. 0.00 min

Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Tgt Ion:	168	Resp:	50039
Ion Ratio	Lower	Upper	
168	100		
139	44.6	31.0	46.6
169	20.2	11.3	16.9#





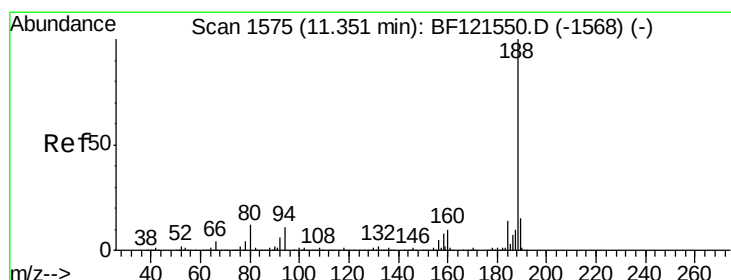
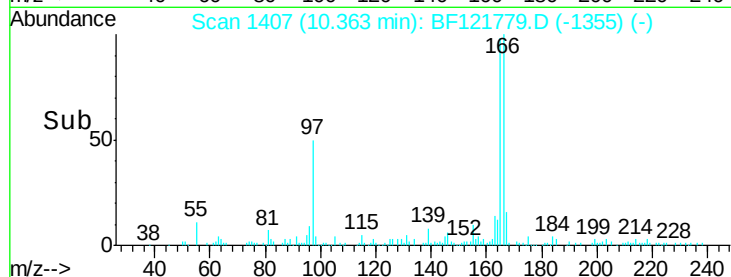
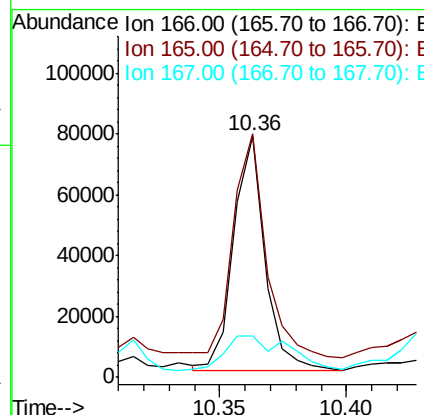
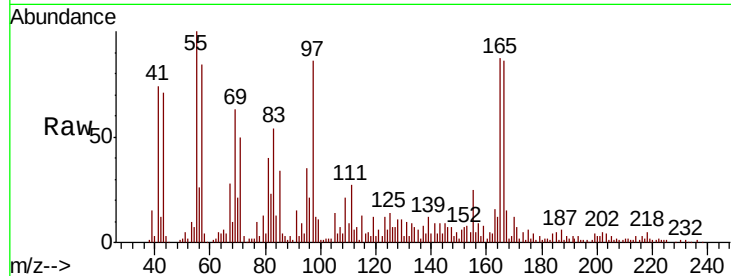
#58
Fluorene
Concen: 5.735 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampled :
B-12(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
166	100	65833		
165	100.8	79.1	118.7	
167	17.3	11.0	16.6#	

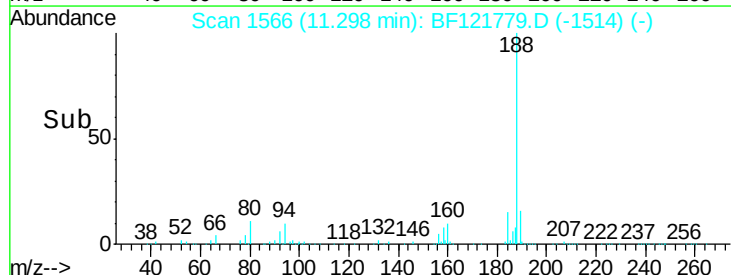
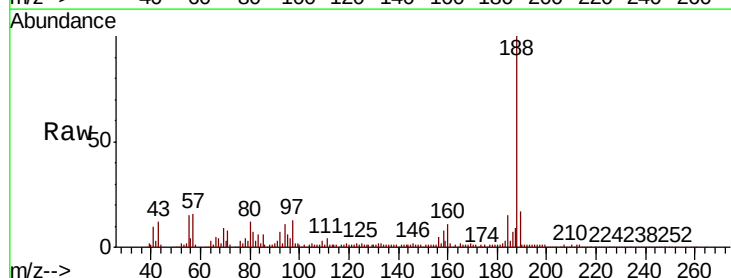
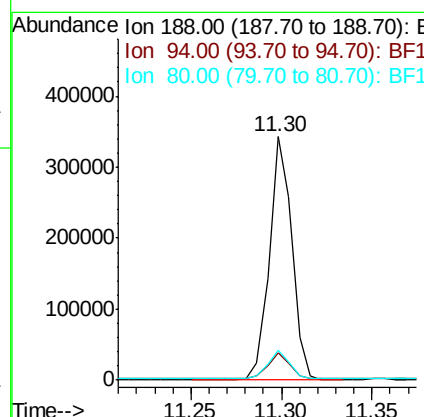
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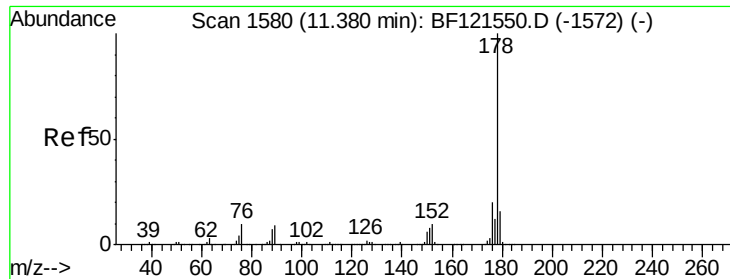
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	295601		
94	11.1	8.3	12.5	
80	12.3	9.1	13.7	





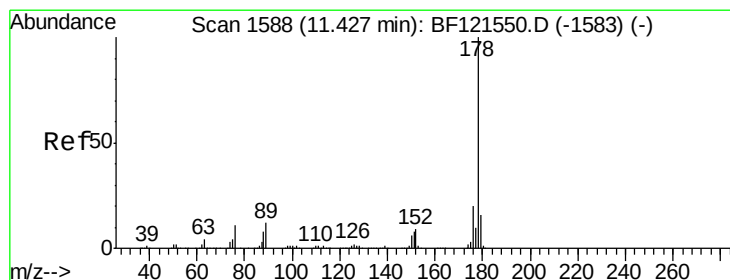
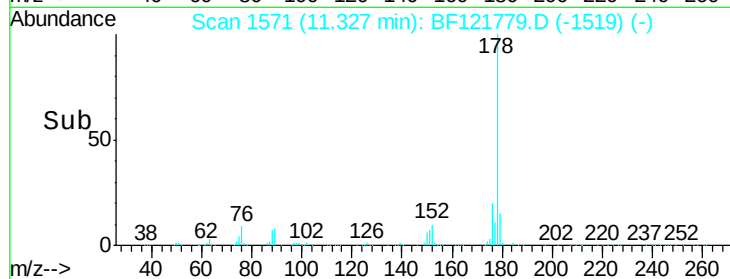
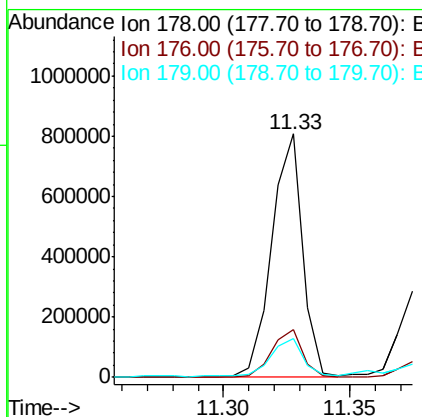
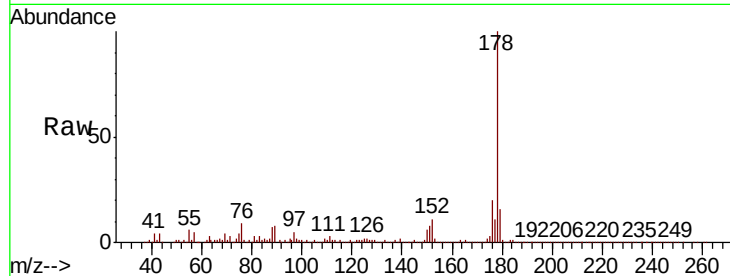
#71
Phenanthrene
Concen: 42.575 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampled :
B-12(9-11)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	16.0	12.2	18.4

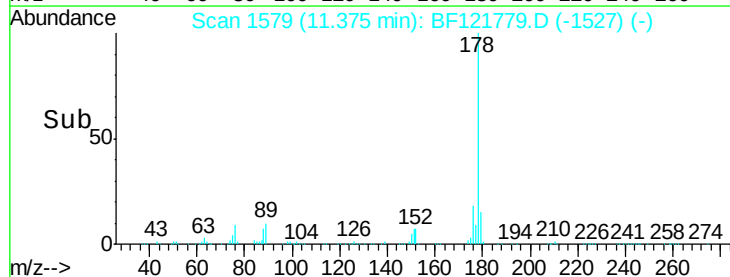
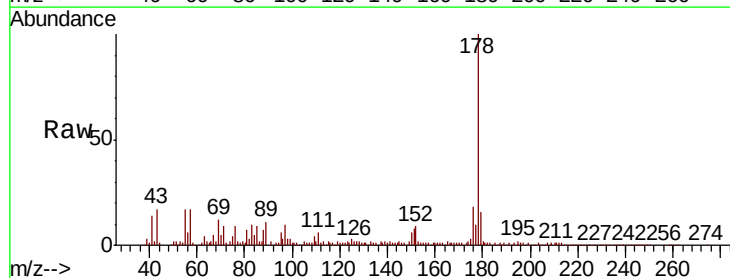
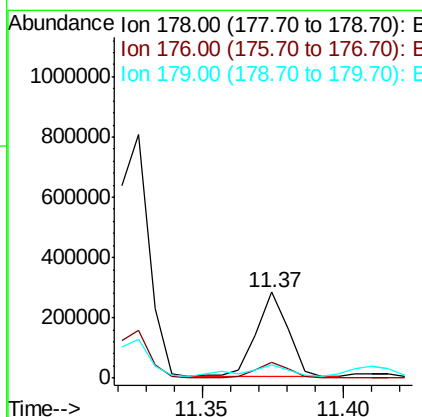
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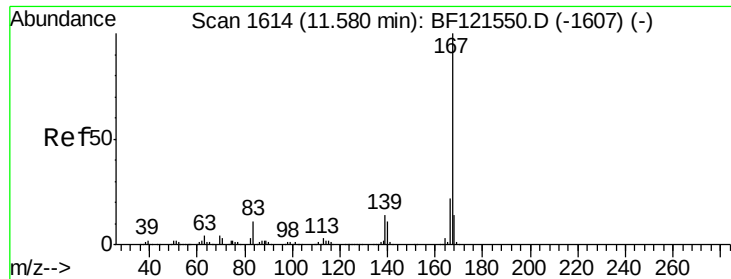
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#72
Anthracene
Concen: 13.206 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.7	23.5
179	16.0	12.7	19.1





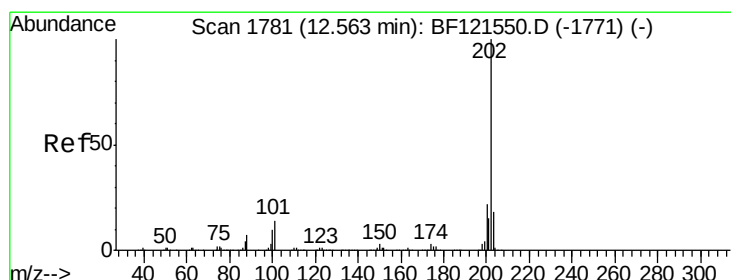
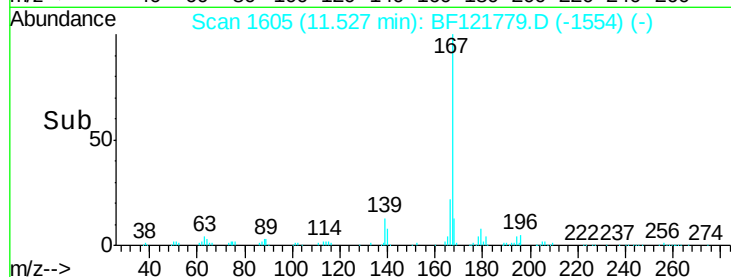
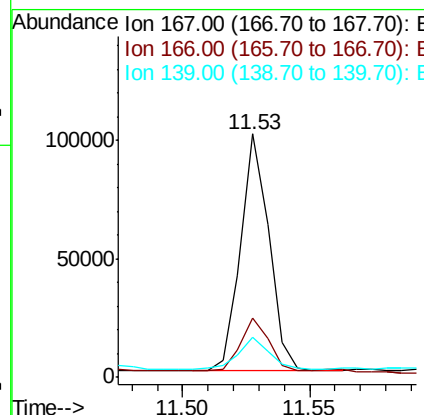
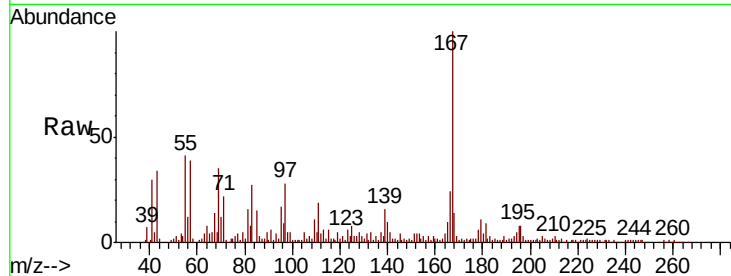
#73
 Carbazole
 Concen: 5.144 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: BF121779.D
 Acq: 1 Oct 2020 21:20

Instrument :
 BNA_F
 ClientSampleId :
 B-12(9-11)

Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	24.3	17.8	26.6	
139	16.3	10.8	16.2	

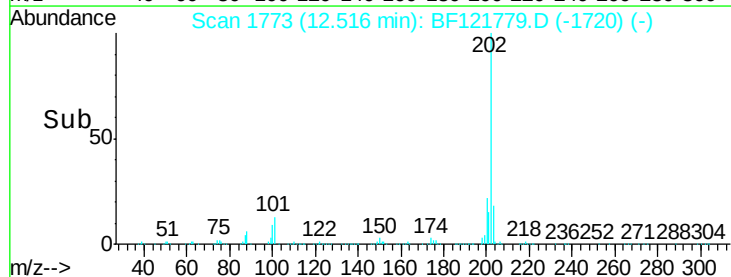
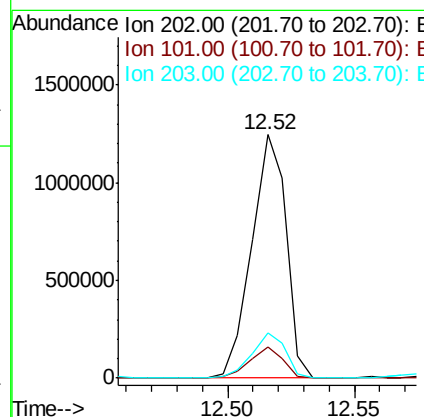
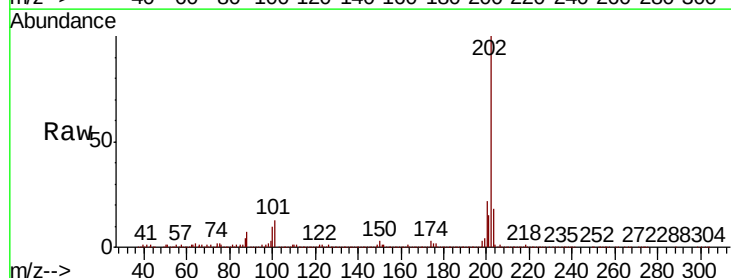
Manual Integrations
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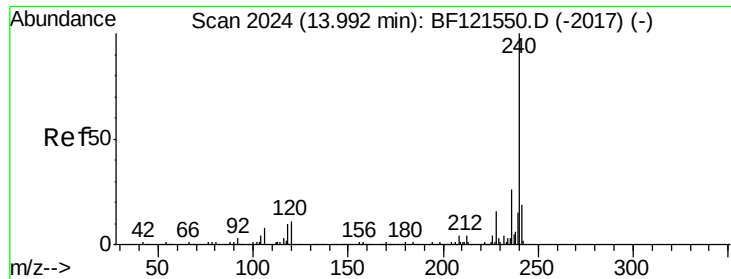
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#75
 Fluoranthene
 Concen: 68.405 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BF121779.D
 Acq: 1 Oct 2020 21:20

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	12.9	0.0	33.4	
203	18.4	0.0	37.9	





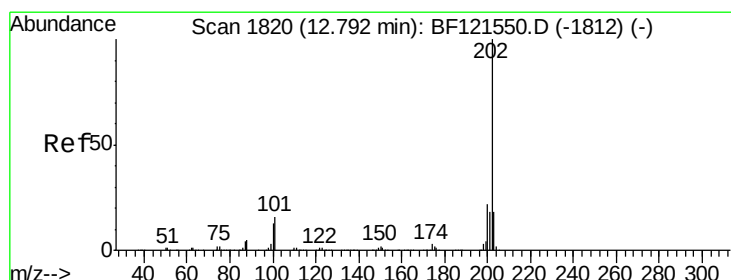
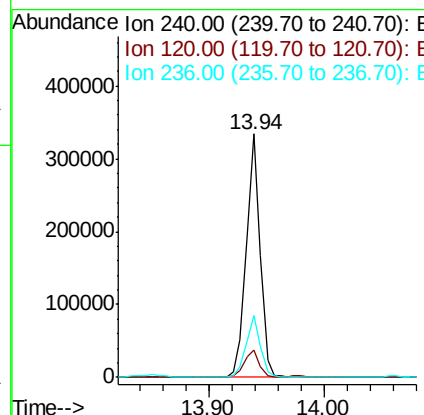
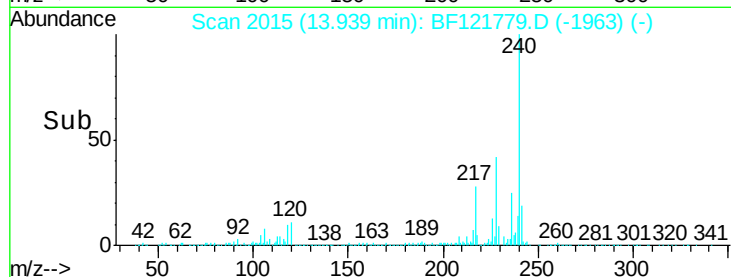
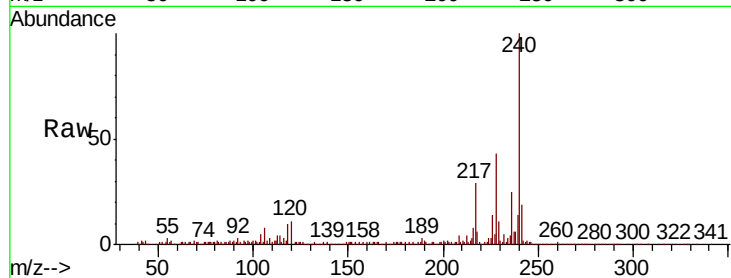
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampleId :
B-12(9-11)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.2	13.8
236	25.2	20.9	31.3

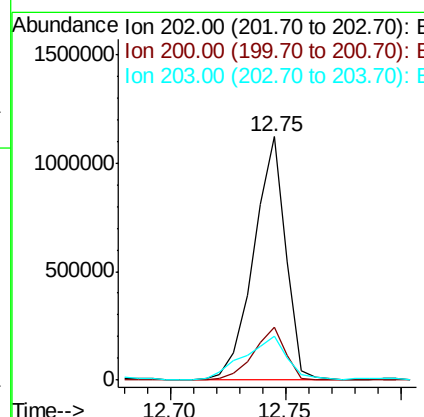
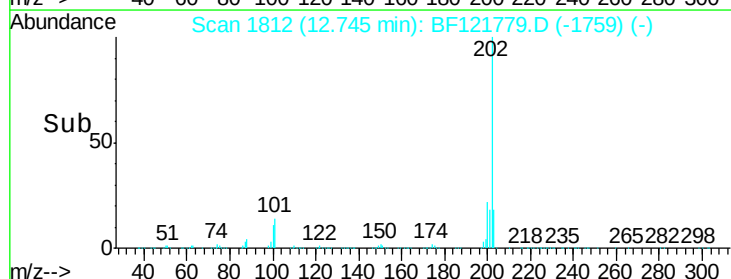
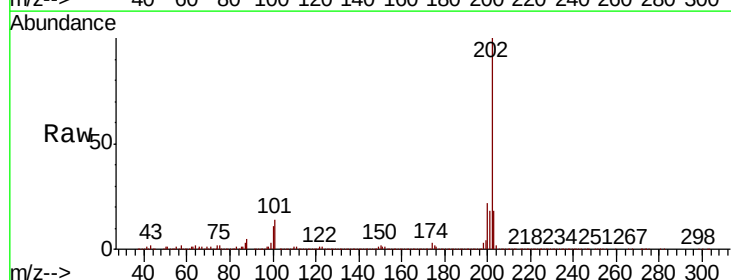
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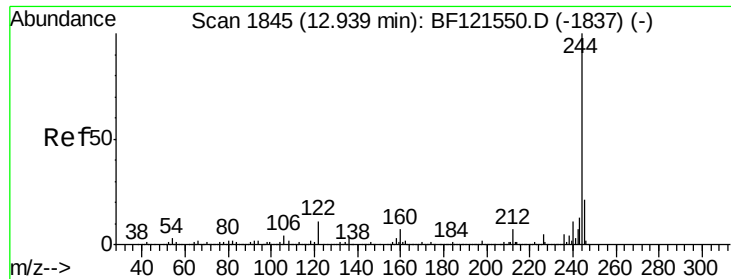
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#78
Pyrene
Concen: 53.165 ng
RT: 12.75 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.0	14.6	21.8





#79

Terphenyl-d14

Concen: 51.759 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Instrument :

BNA_F

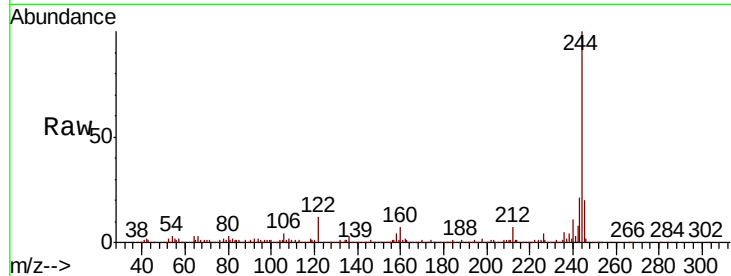
ClientSampleId :

B-12(9-11)

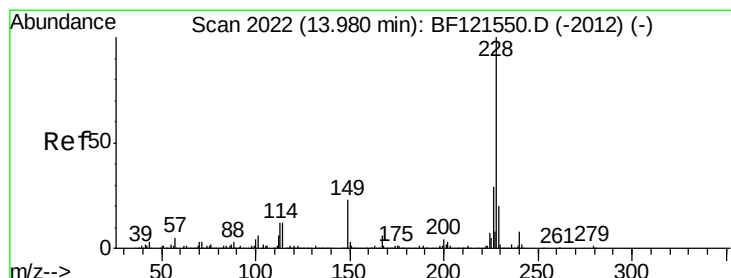
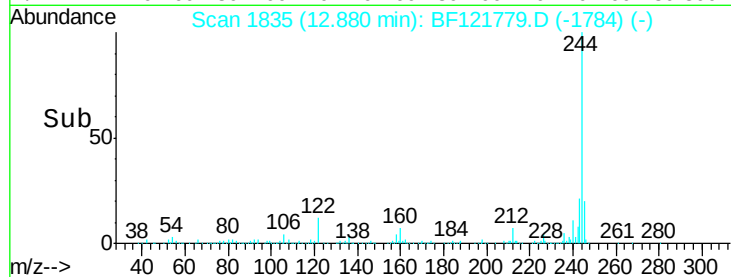
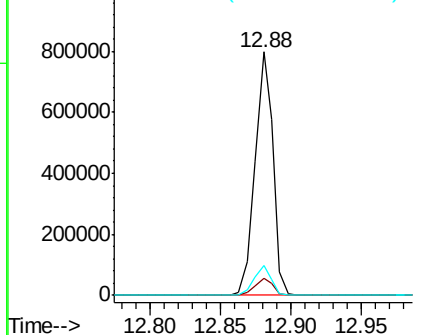
Tot Ion:	244	Resp:	712488
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.2
122	12.0	8.1	12.1

Manual Integrations
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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: 39.554 ng

RT: 13.93 min Scan# 2013

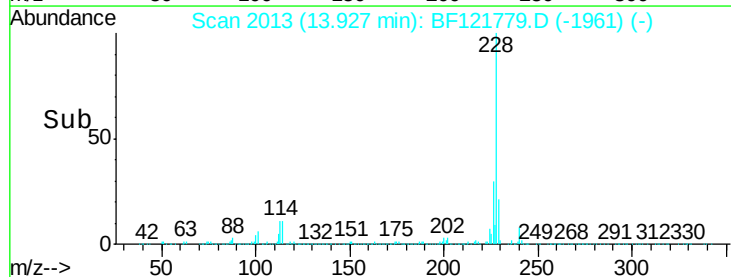
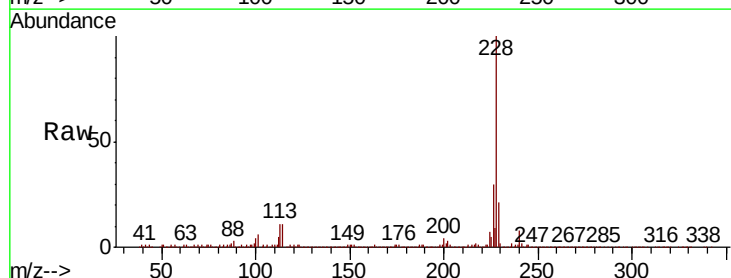
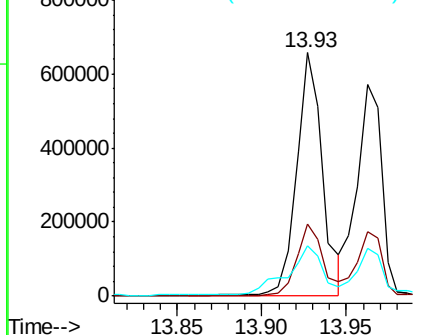
Delta R.T. 0.01 min

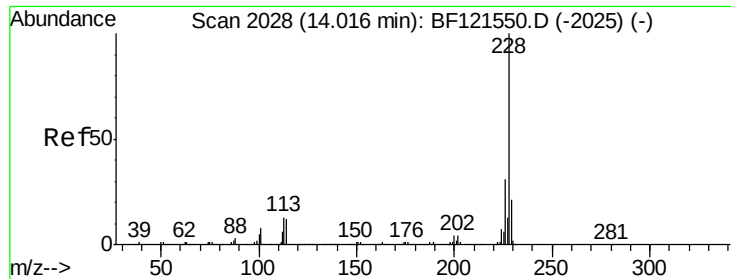
Lab File: BF121779.D

Acq: 1 Oct 2020 21:20

Tgt Ion:	228	Resp:	697850
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.3	33.5
229	20.9	16.2	24.4

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





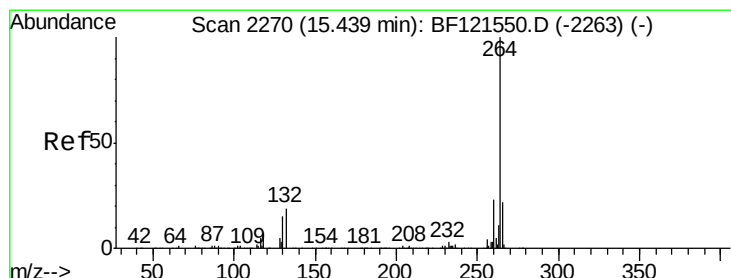
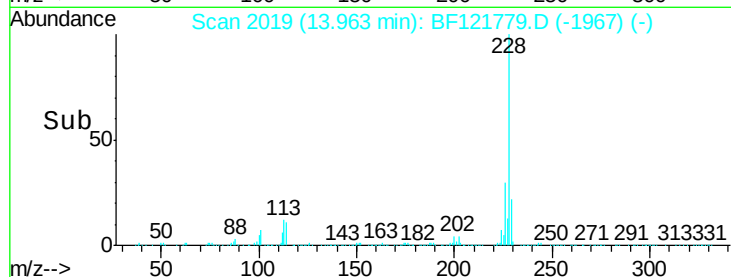
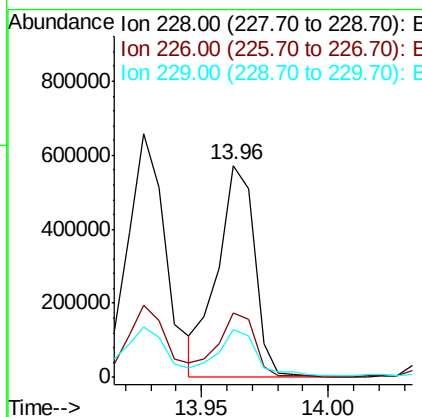
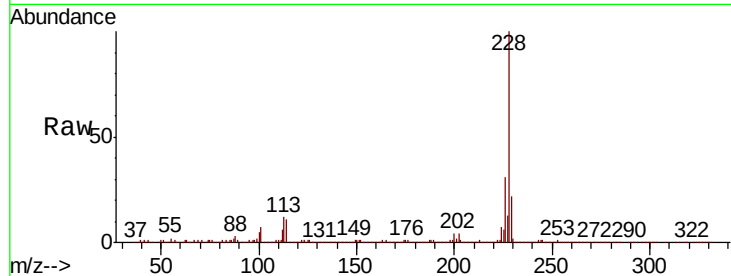
#83
Chrysene
Concen: 32.433 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampled :
B-12(9-11)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	22.5	15.9	23.9

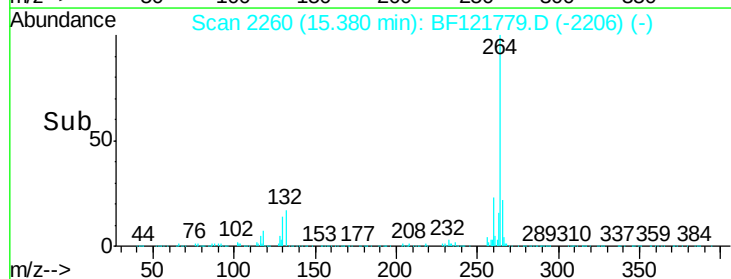
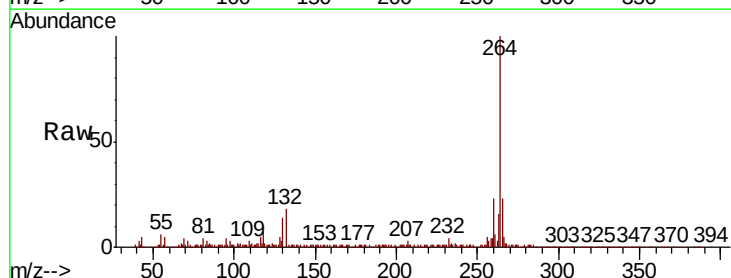
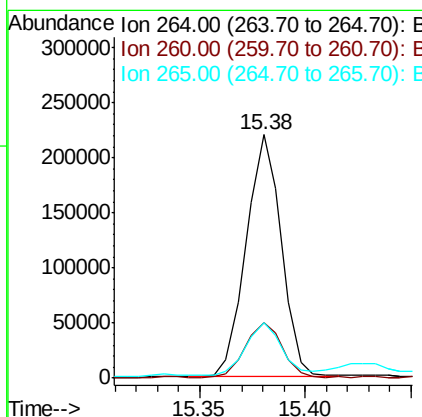
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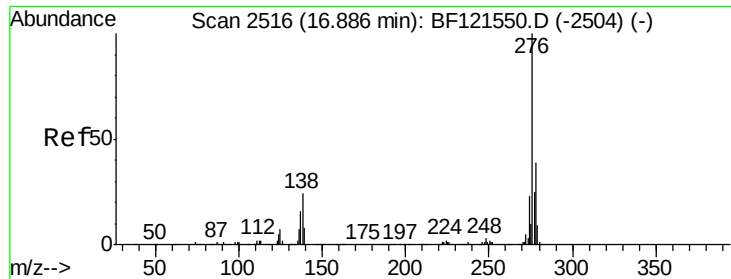
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	23.0	17.3	25.9





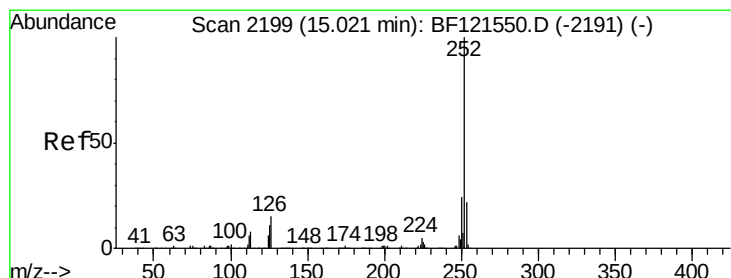
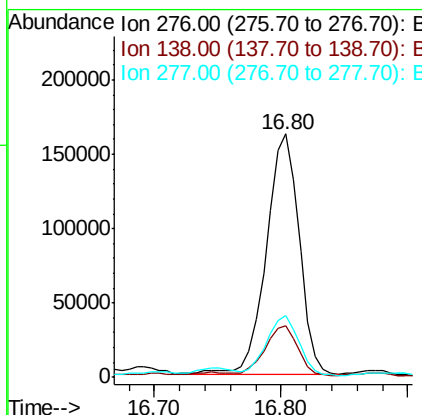
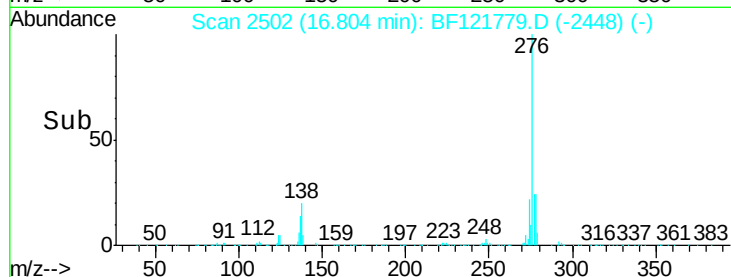
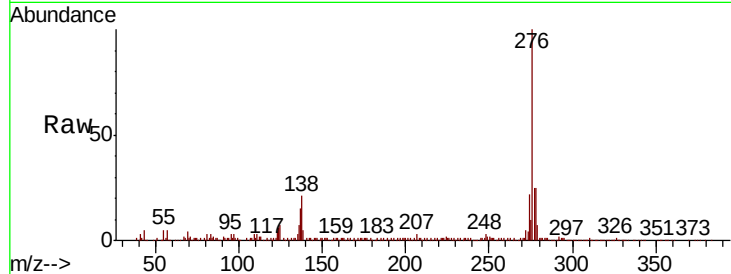
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 17.705 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. 0.02 min
 Lab File: BF121779.D
 Acq: 1 Oct 2020 21:20

Instrument :
 BNA_F
 ClientSampleId :
 B-12(9-11)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.9	29.9
277	24.2	20.4	30.6

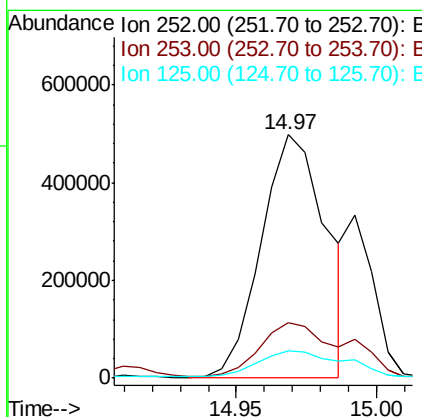
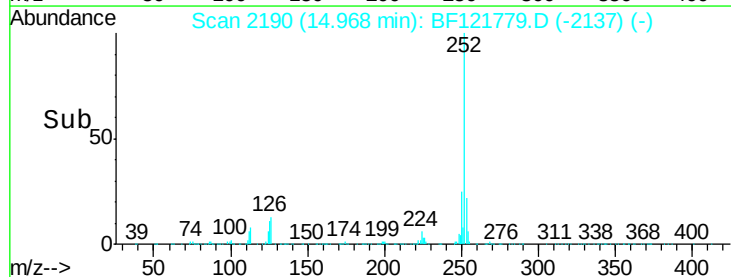
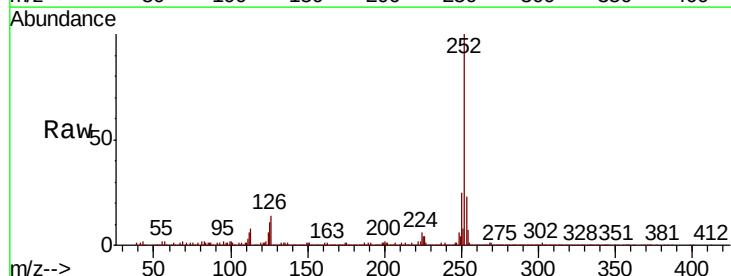
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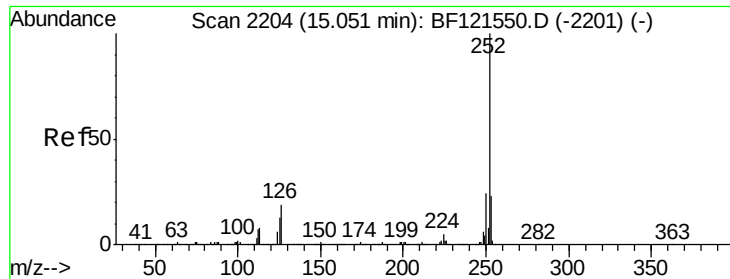
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#88
 Benzo(b)fluoranthene
 Concen: 46.502 ng m
 RT: 14.97 min Scan# 2190
 Delta R.T. 0.01 min
 Lab File: BF121779.D
 Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.4	8.0	12.0





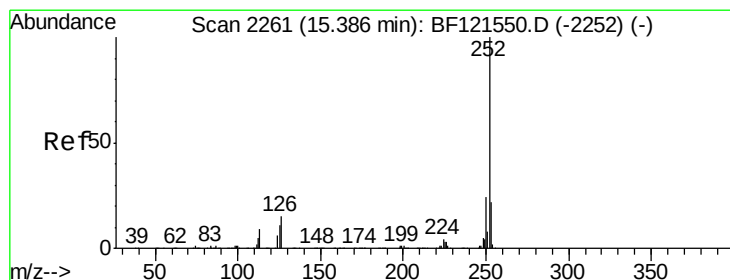
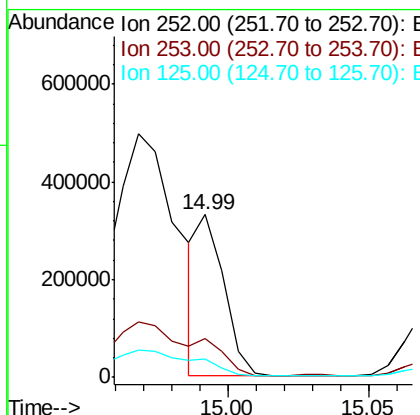
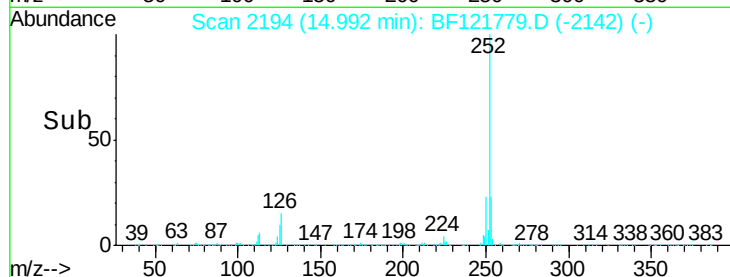
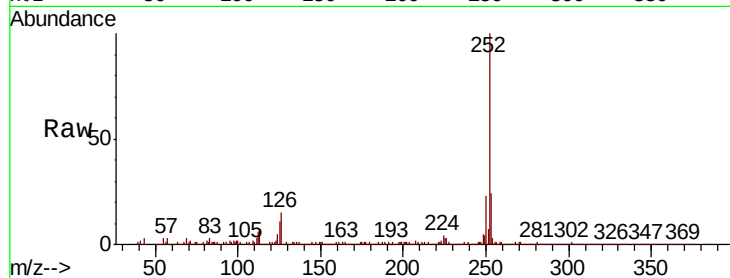
#89
Benzo(k)fluoranthene
Concen: 13.647 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampleId :
B-12(9-11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.1	7.7	11.5

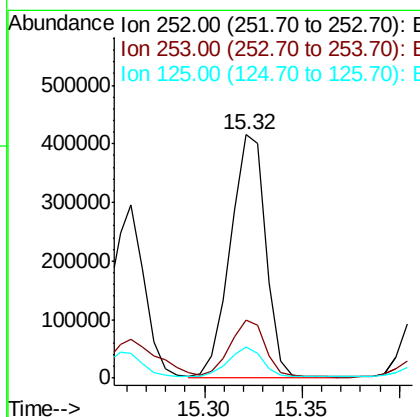
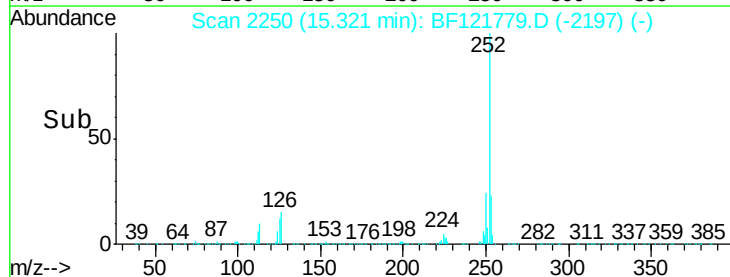
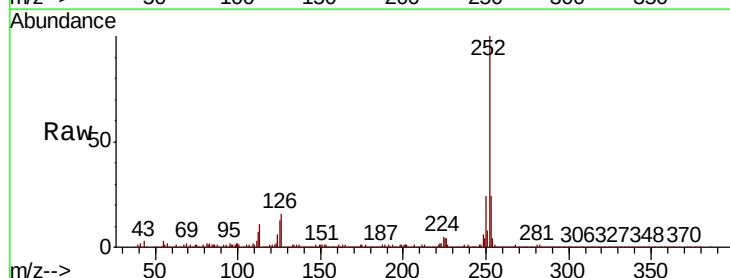
Manual Integrations
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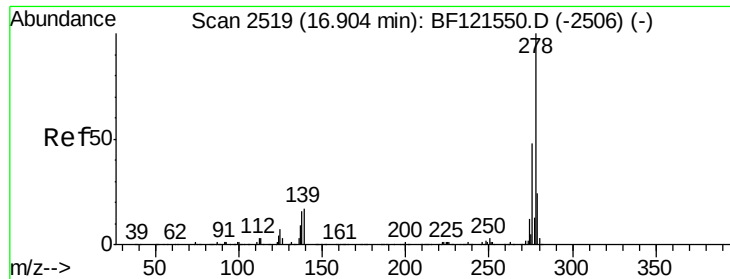
mohammad
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#90
Benzo(a)pyrene
Concen: 35.779 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	12.6	8.6	13.0





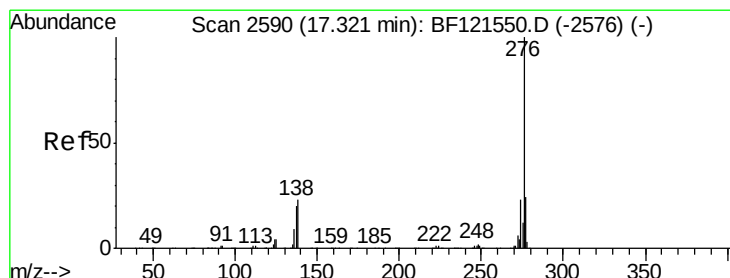
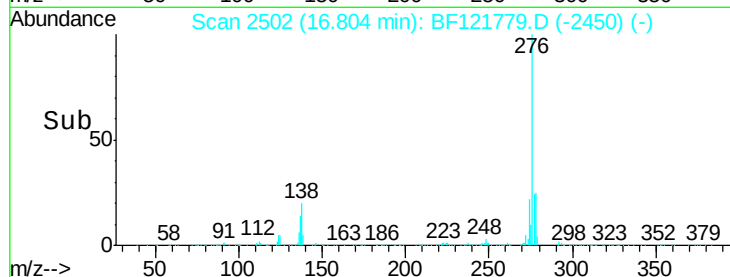
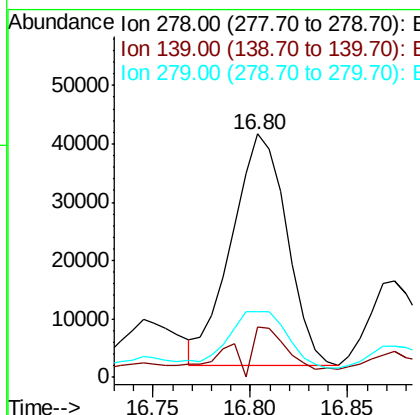
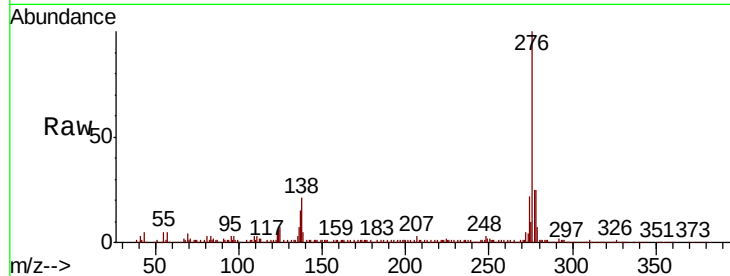
#91
Dibenzo(a,h)anthracene
Concen: 5.617 ng m
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Instrument :
BNA_F
ClientSampleId :
B-12(9-11)

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.0	19.4#
279	26.9	19.0	28.4

Manual Integrations
APPROVED

mohammad
10/2/2020 12:13:52 PM



#92
Benzo(g,h,i)perylene
Concen: 19.351 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.02 min
Lab File: BF121779.D
Acq: 1 Oct 2020 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	22.7	17.8	26.6

