

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
 Data File : BF121760.D
 Acq On : 1 Oct 2020 2:11
 Operator : JU/CG
 Sample : L4193-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

Manual Integrations
 APPROVED

mohammad
 10/1/2020 1:32:40 PM

Quant Time: Oct 01 08:38:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	159242	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	620846	20.00	ng	-0.01
39) Acenaphthene-d10	9.81	164	312557	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	537434	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	331126	20.00	ng	0.00
86) Perylene-d12	15.38	264	331634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	756007	70.55	ng	0.00
7) Phenol-d6	6.42	99	974353	69.31	ng	-0.01
23) Nitrobenzene-d5	7.34	82	668745	57.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	261051	67.20	ng	-0.01
45) 2-Fluorobiphenyl	9.14	172	1181603	57.26	ng	-0.01
79) Terphenyl-d14	12.89	244	1031565	63.11	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.08	128	329624	10.058	ng	98
37) 2-Methylnaphthalene	8.77	142	56103	2.612	ng	98
38) 1-Methylnaphthalene	8.87	142	41923	2.097	ng	99
49) Acenaphthylene	9.67	152	96407	3.182	ng	99
50) Dimethylphthalate	9.53	163	113744	5.021	ng	99
52) Acenaphthene	9.85	154	153383	8.016	ng	100
55) Dibenzofuran	10.02	168	137283	5.094	ng	98
58) Fluorene	10.36	166	199514	9.681	ng	98
71) Phenanthrene	11.33	178	1903211	64.997	ng	99
72) Anthracene	11.37	178	662705	21.931	ng	99
73) Carbazole	11.53	167	175008	6.418	ng	98
75) Fluoranthene	12.52	202	2560198	81.906	ng	99
78) Pylene	12.75	202	2215152	91.561	ng	98
81) Benzo(a)anthracene	13.93	228	1219969	58.236	ng	98
83) Chrysene	13.97	228	1033958	48.741	ng	97
87) Indeno(1,2,3-cd)pyrene	16.80	276	653148	30.242	ng	95
88) Benzo(b)fluoranthene	14.97	252	1257724m	56.731	ng	
89) Benzo(k)fluoranthene	14.99	252	410714m	20.230	ng	
90) Benzo(a)pyrene	15.33	252	929329	49.313	ng	97
91) Dibenz(a,h)anthracene	16.81	278	166140	9.241	ng	93
92) Benzo(g,h,i)perylene	17.23	276	582566	32.966	ng	99

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

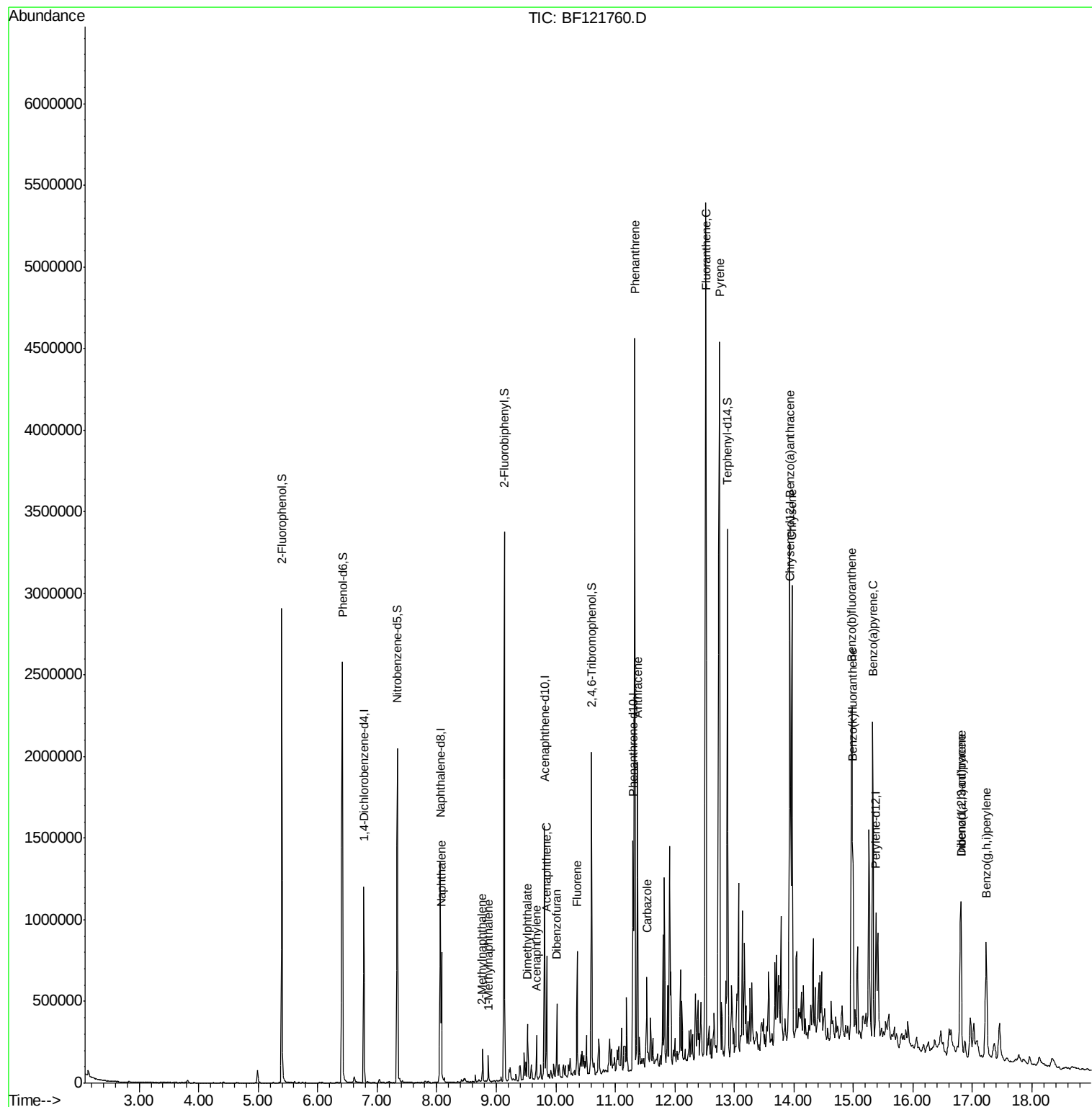
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
Acq On : 1 Oct 2020 2:11
Operator : JU/CG
Sample : L4193-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

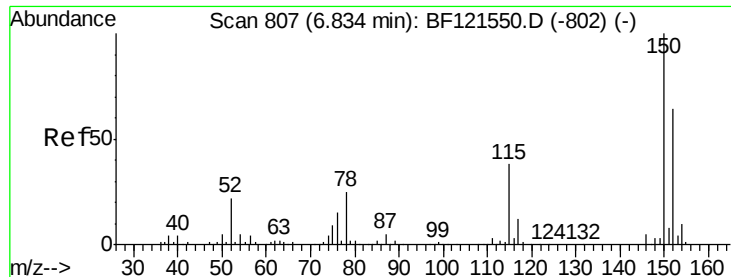
Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

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Quant Time: Oct 01 08:38:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 11:12:14 2020
Response via : Initial Calibration





#1

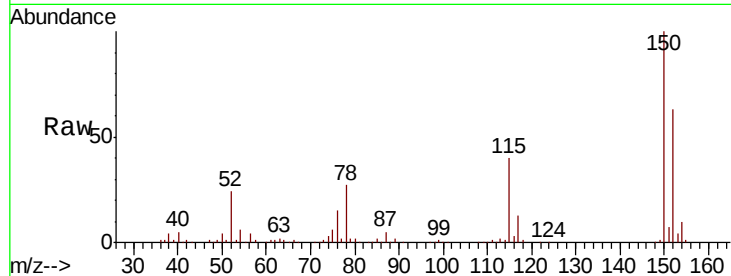
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.8	188.8
115	64.3	49.6	74.4

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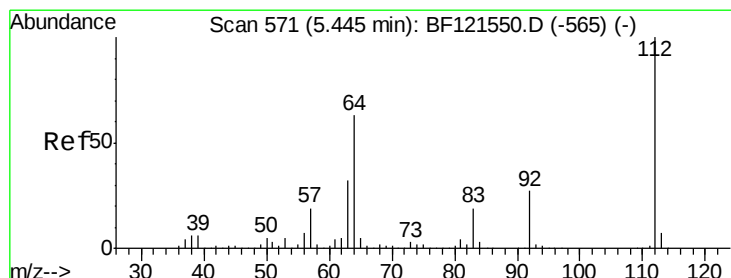
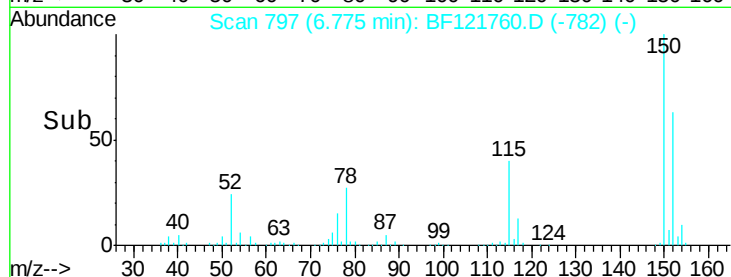
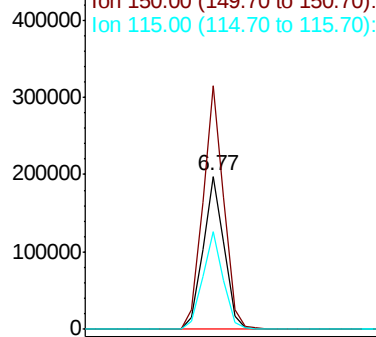


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

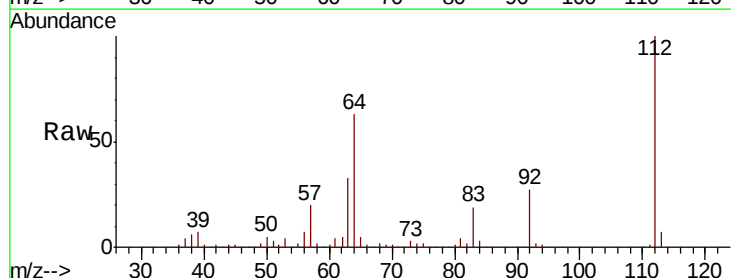
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.554 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	51.2	76.8
63	32.6	25.9	38.9

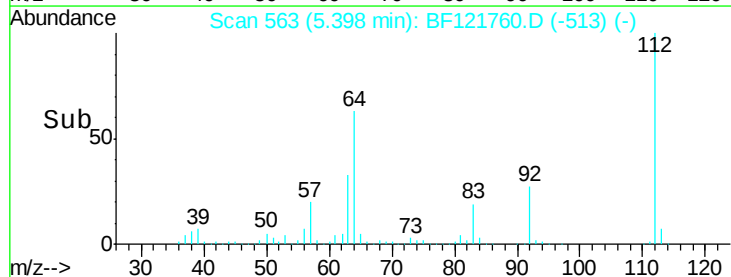
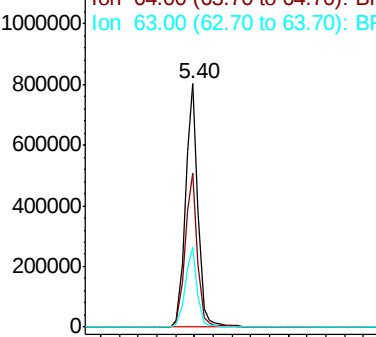


Abundance

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: 69.311 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

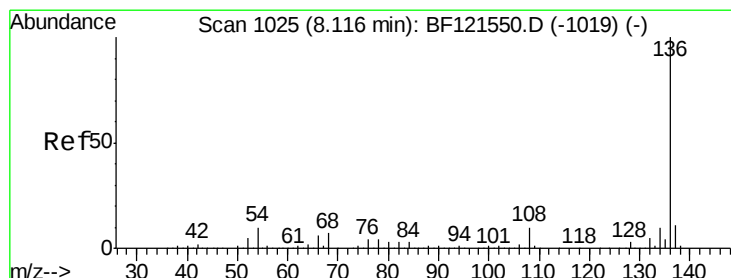
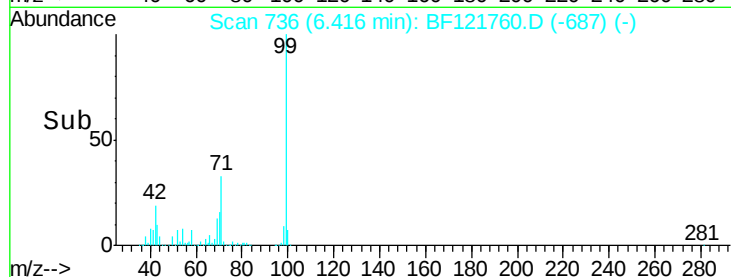
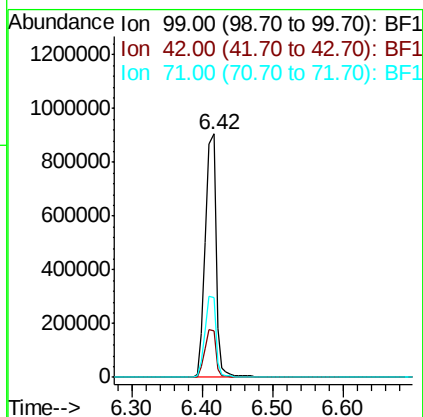
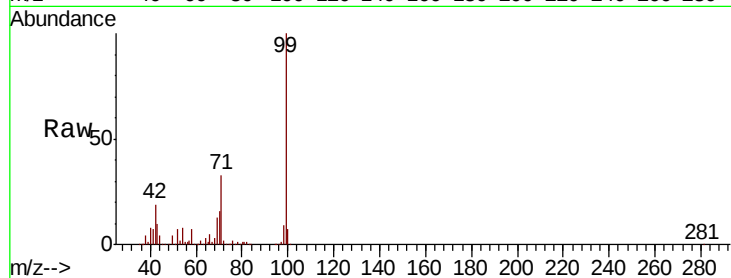
ClientSampleId :

B-14(9-11)

Tot Ion:	99	Resp:	974353
Ion Ratio	Lower	Upper	
99	100		
42	18.9	16.5	24.7
71	33.0	27.8	41.6

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#21

Naphthalene-d8

Concen: 20.000 ng

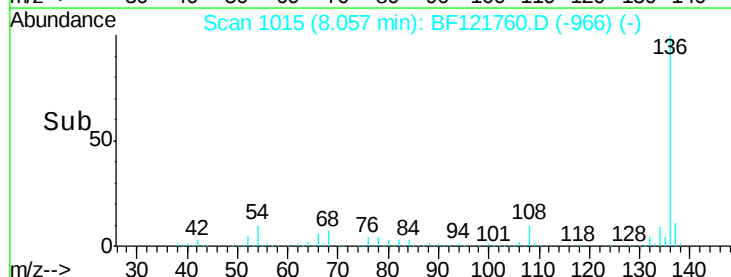
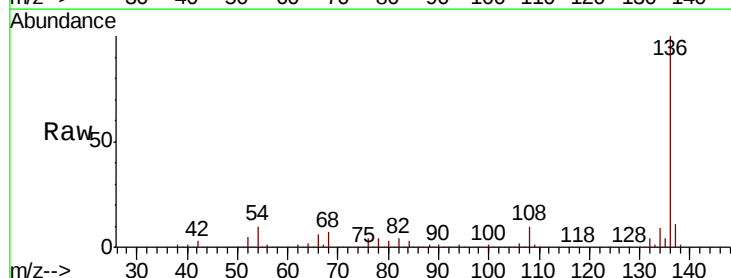
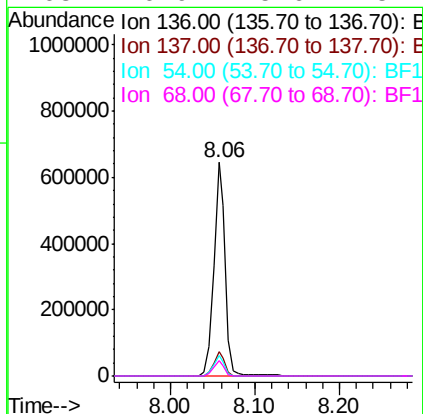
RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Tgt Ion:	136	Resp:	620846
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	9.9	7.8	11.8
68	6.9	5.6	8.4





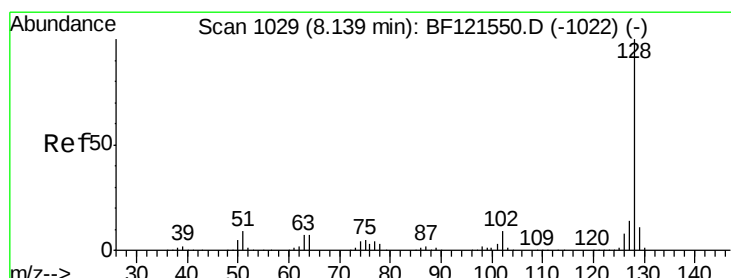
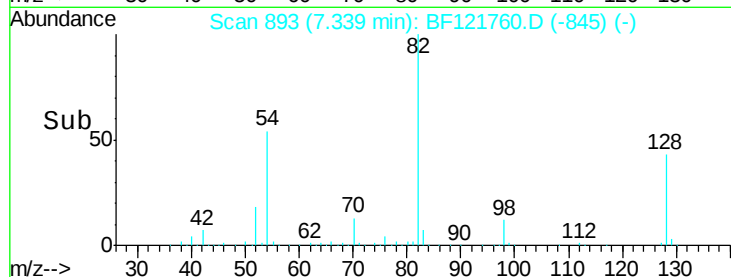
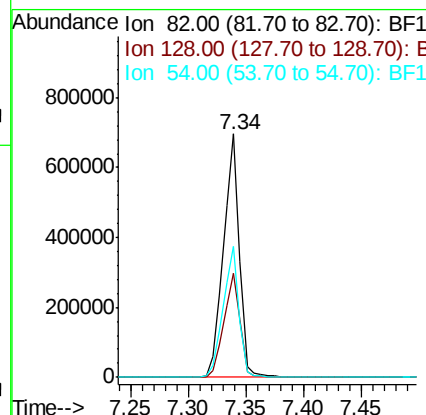
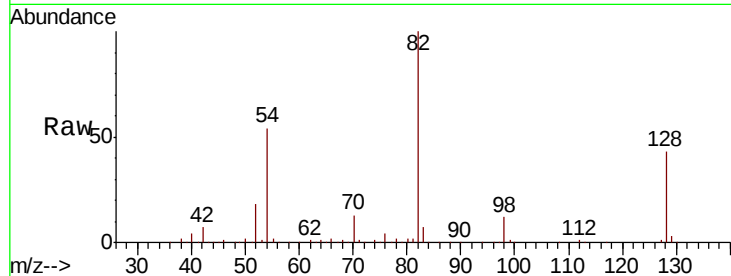
#23
Nitrobenzene-d5
Concen: 57.834 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampled :
B-14(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	668745		
128	42.9	35.0	52.4	
54	53.7	42.5	63.7	

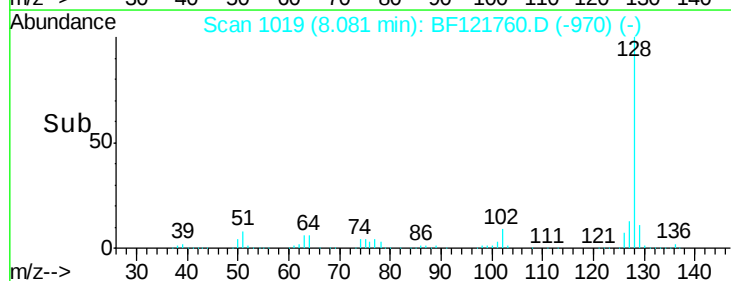
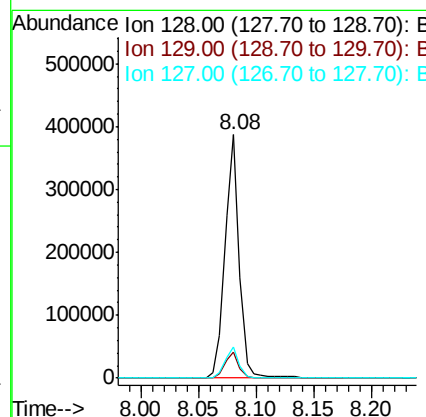
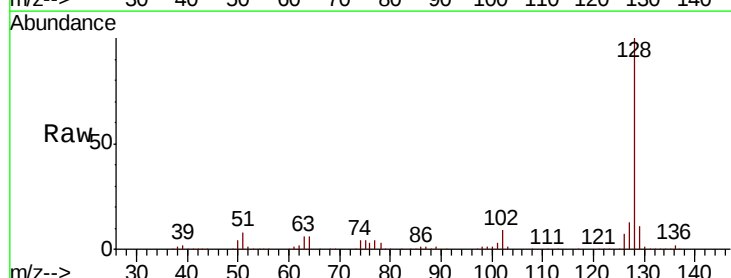
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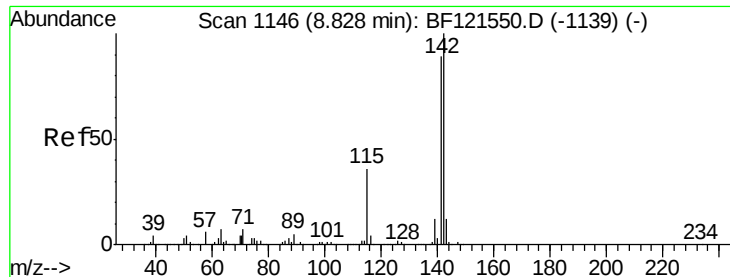
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#31
Naphthalene
Concen: 10.058 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	329624		
129	10.6	9.2	13.8	
127	13.0	10.9	16.3	





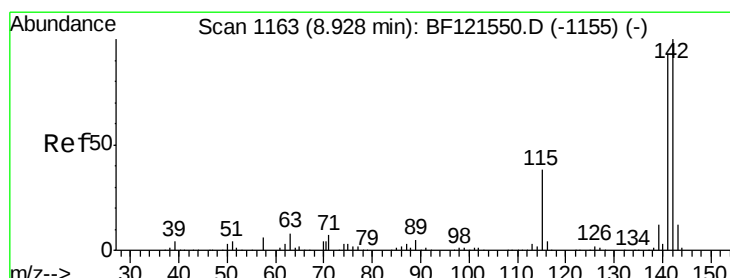
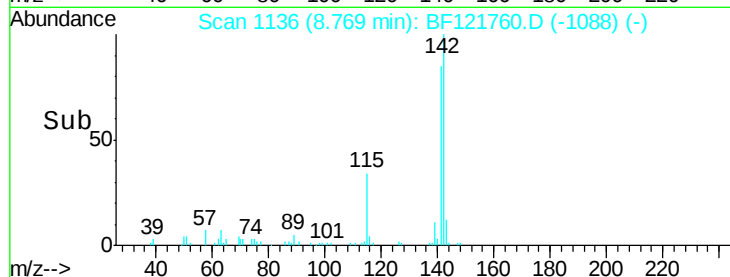
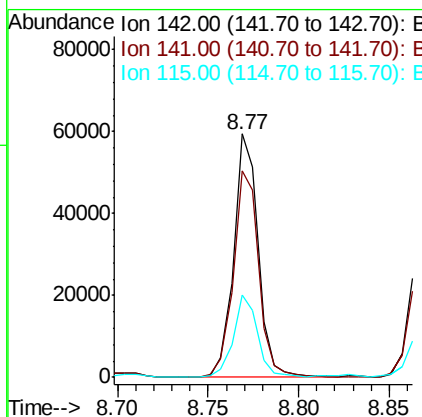
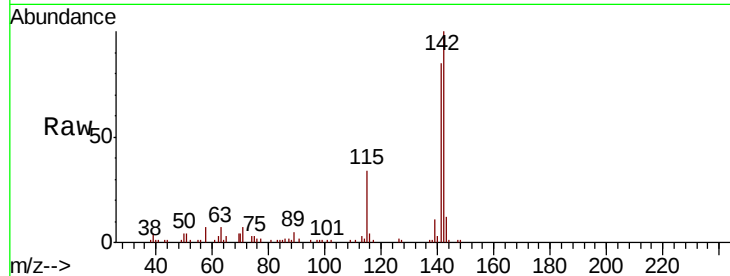
#37
2-Methylnaphthalene
Concen: 2.612 ng
RT: 8.77 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.1	70.1	105.1
115	34.0	28.0	42.0

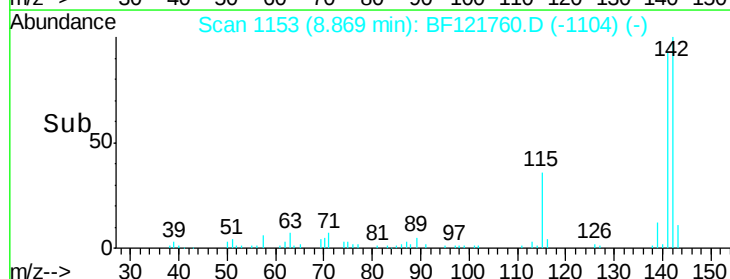
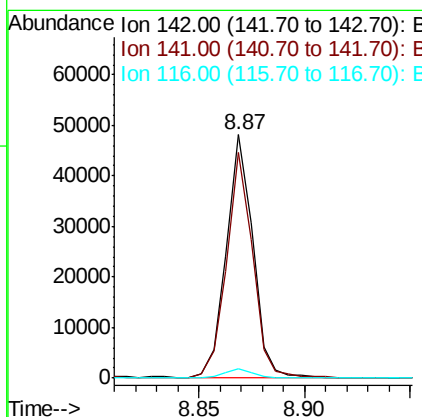
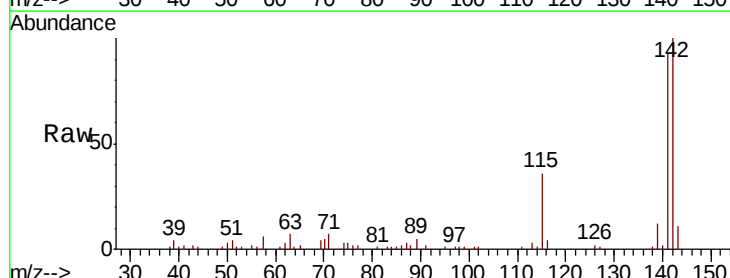
Manual Integrations
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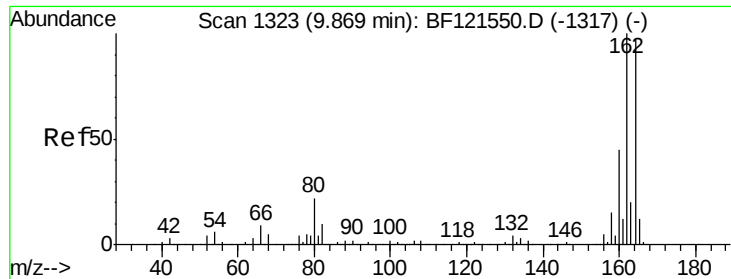
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#38
1-Methylnaphthalene
Concen: 2.097 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.2	109.8
116	3.8	3.2	4.8





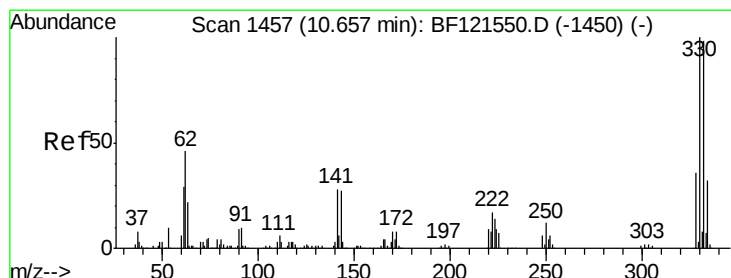
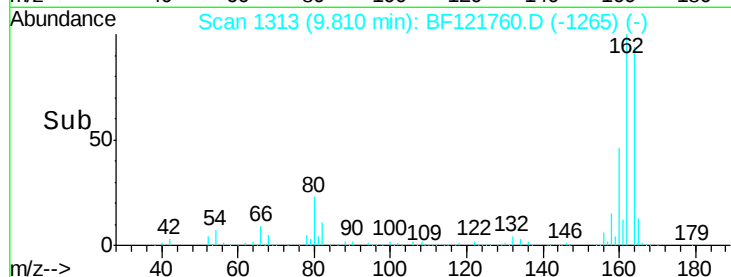
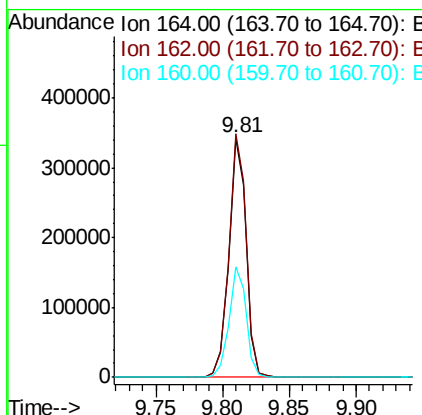
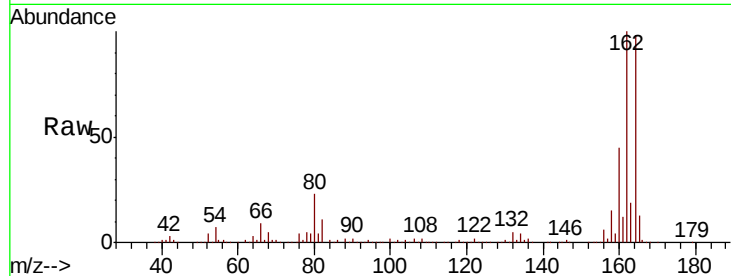
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	80.6	121.0	
160	46.3	36.9	55.3	

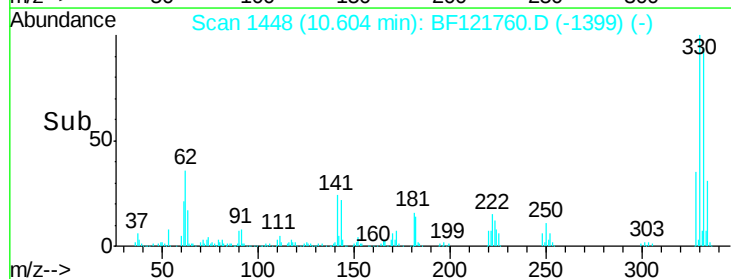
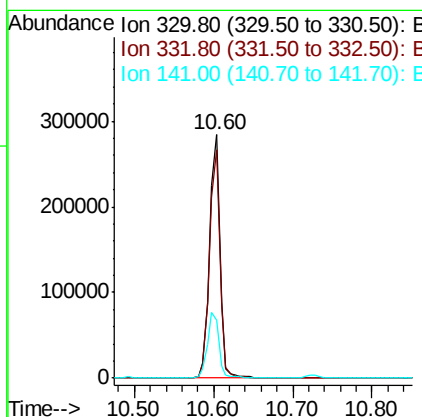
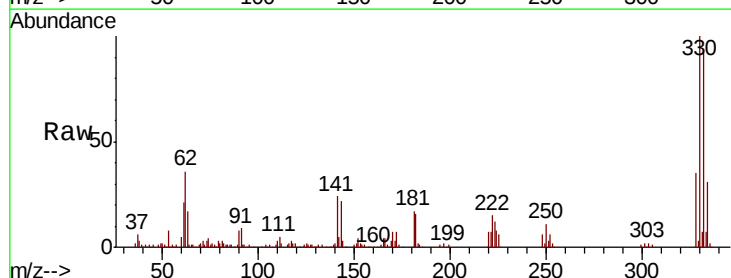
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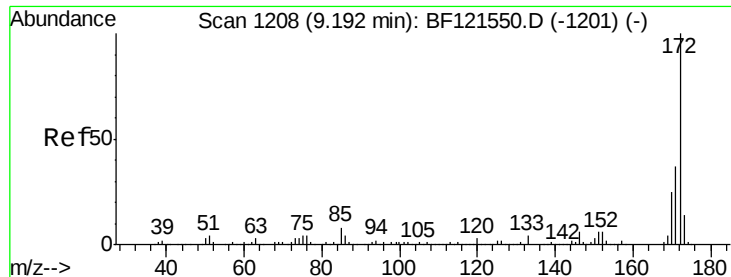
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#42
2,4,6-Tribromophenol
Concen: 67.200 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.5	77.6	116.4	
141	29.6	22.9	34.3	





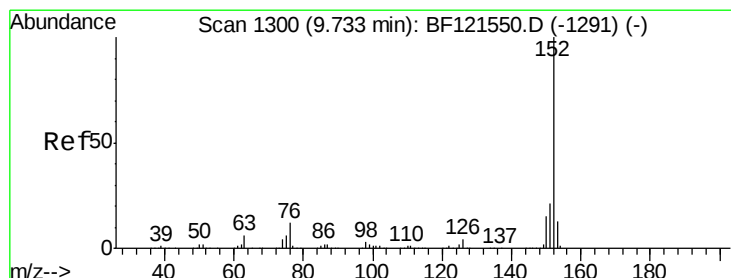
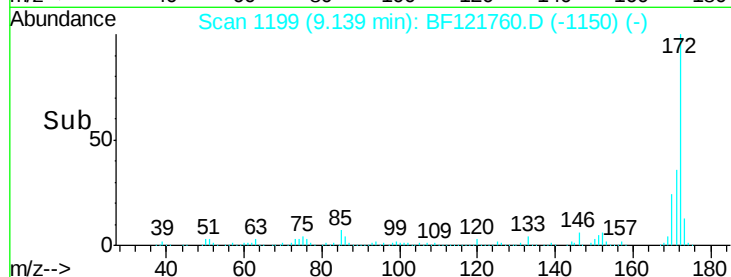
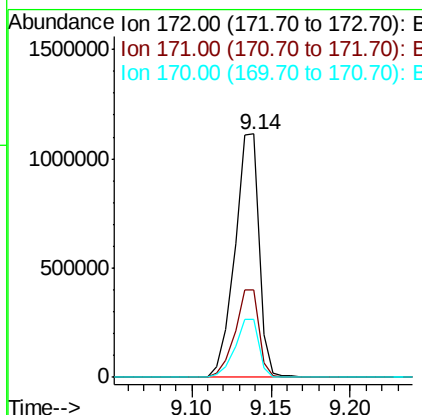
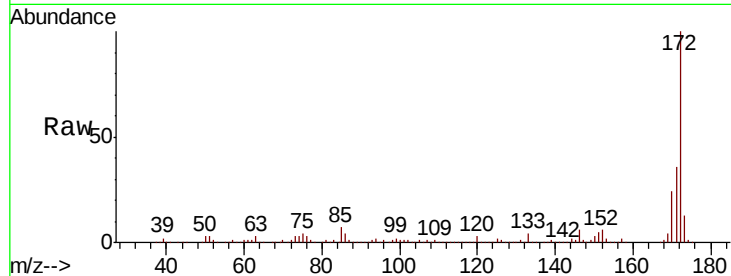
#45
2-Fluorobiphenyl
Concen: 57.256 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampled :
B-14(9-11)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.0	19.7	29.5

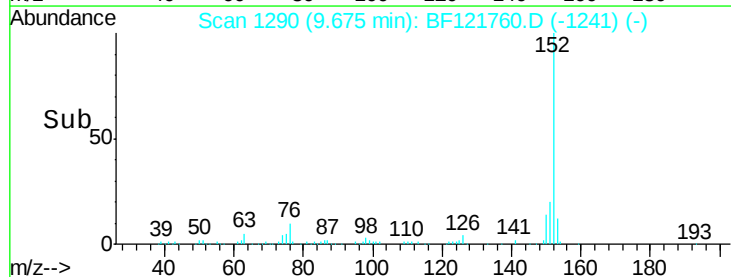
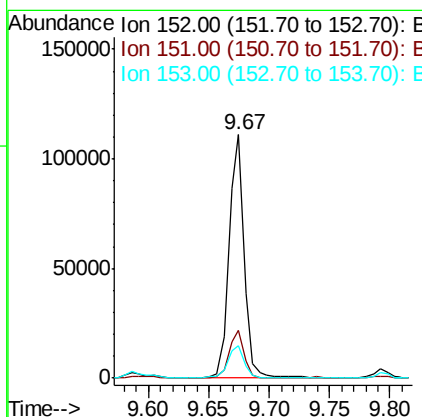
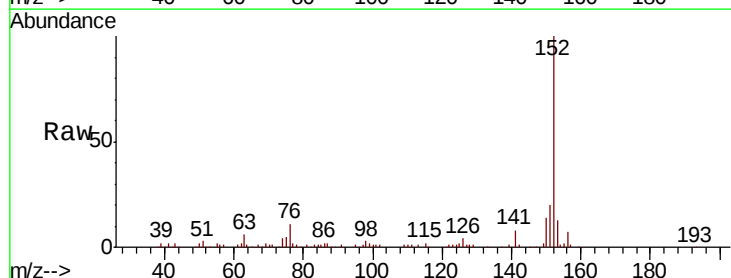
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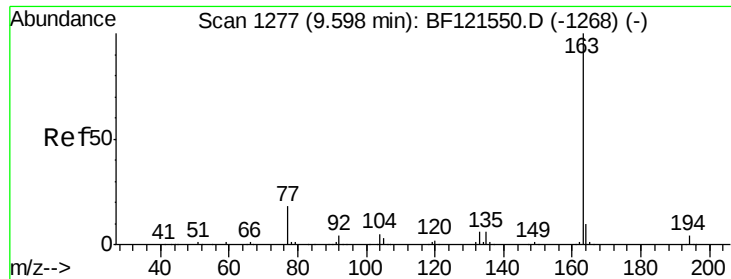
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#49
Acenaphthylene
Concen: 3.182 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.4	24.6
153	13.2	10.9	16.3





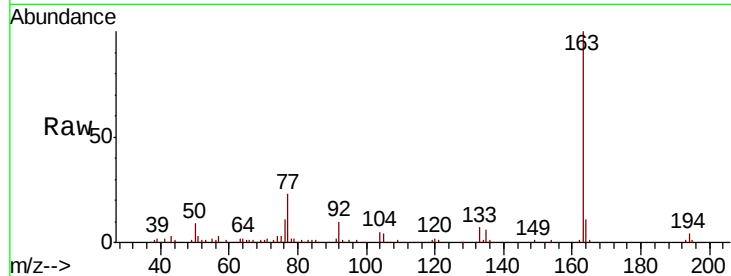
#50
Dimethylphthalate
Concen: 5.021 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.0	3.1	4.7	
164	10.8	8.5	12.7	

Manual Integrations
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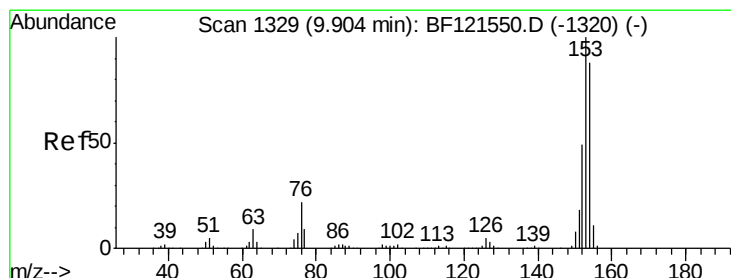
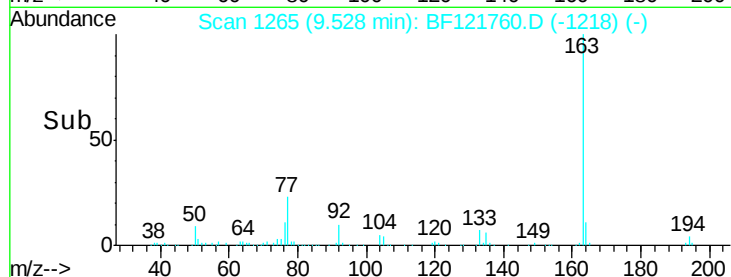
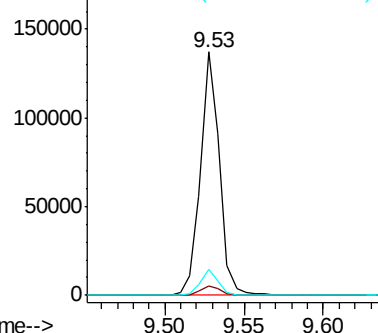


Abundance

Ion 163.00 (162.70 to 163.70): E

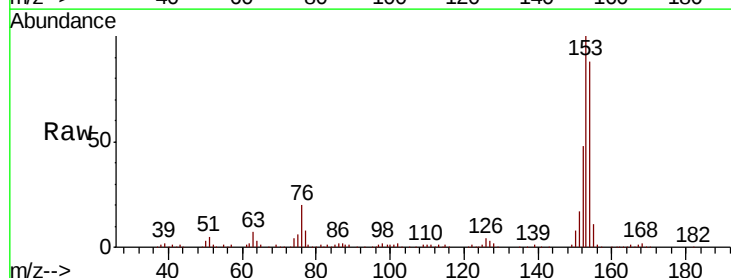
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 8.016 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.4	90.7	136.1	
152	54.2	43.9	65.9	

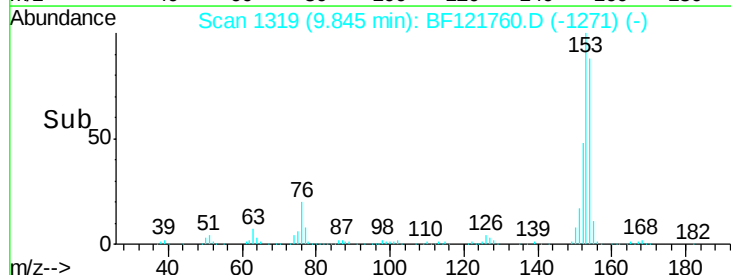
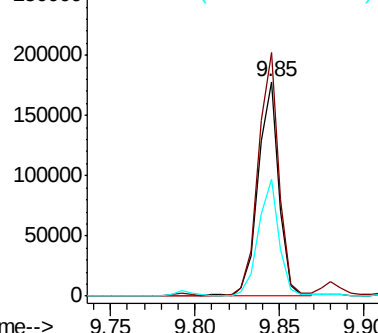


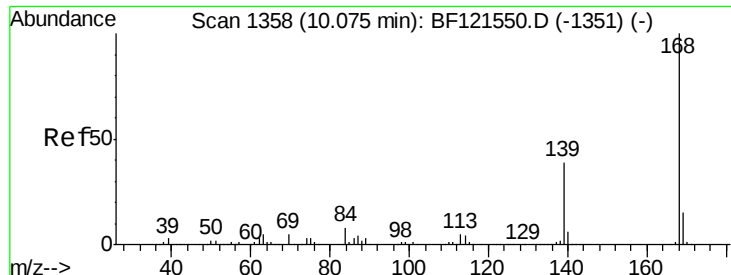
Abundance

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





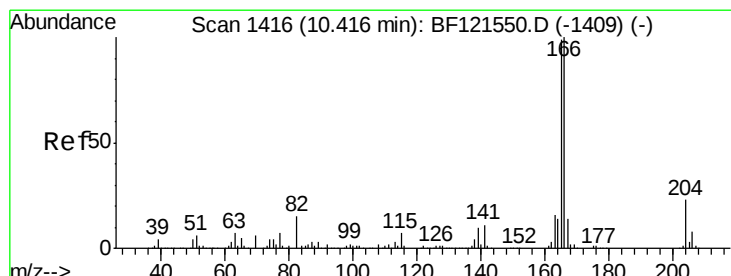
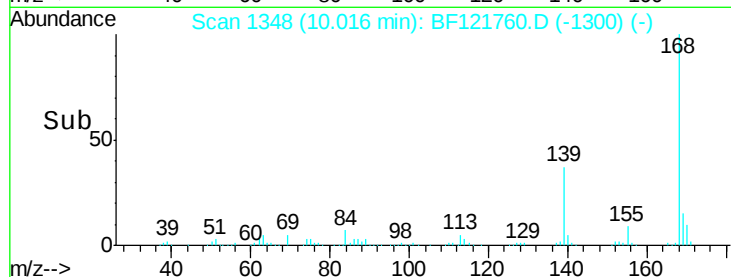
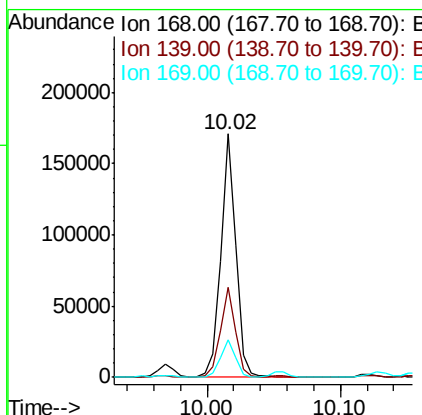
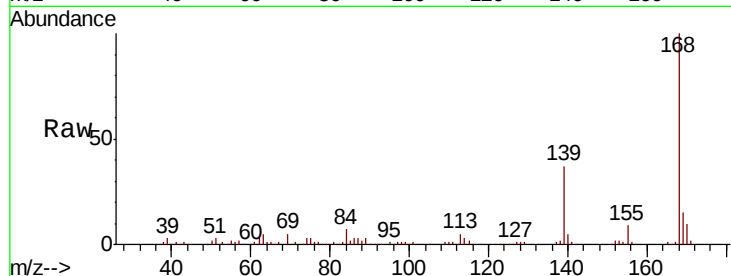
#55
Dibenzenofuran
Concen: 5.094 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.3	45.5
169	15.3	11.2	16.8

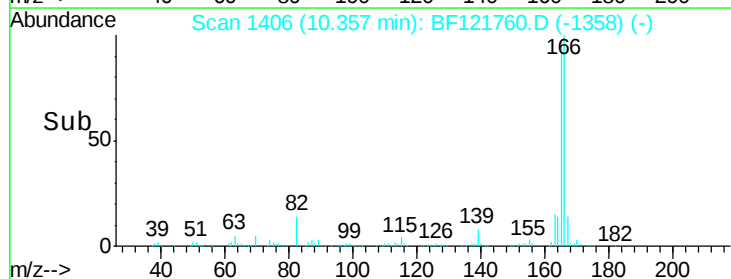
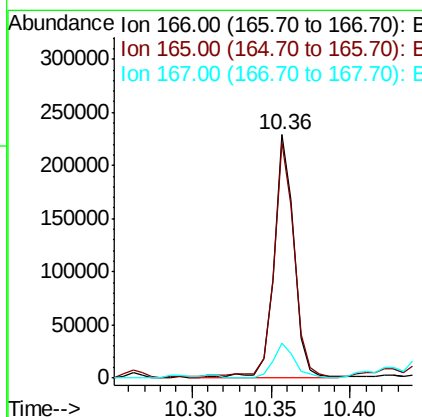
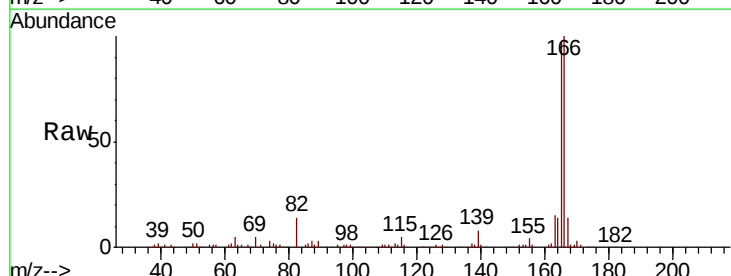
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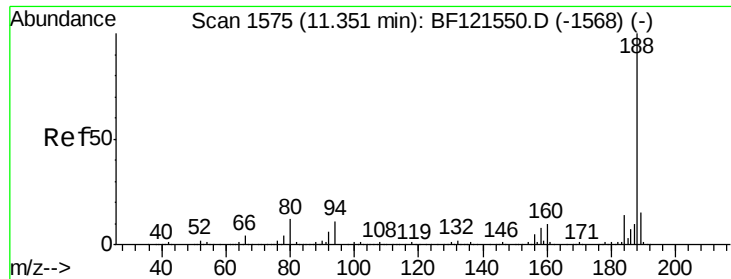
mohammad
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#58
Fluorene
Concen: 9.681 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.2	118.8
167	14.2	10.6	16.0





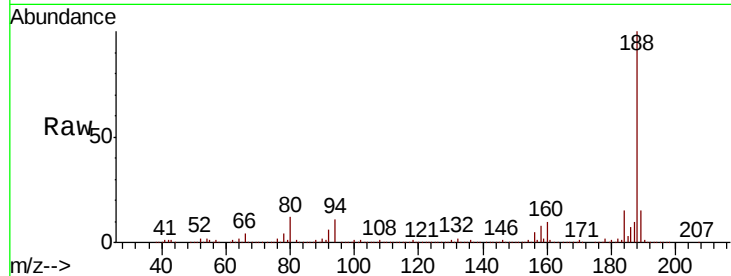
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

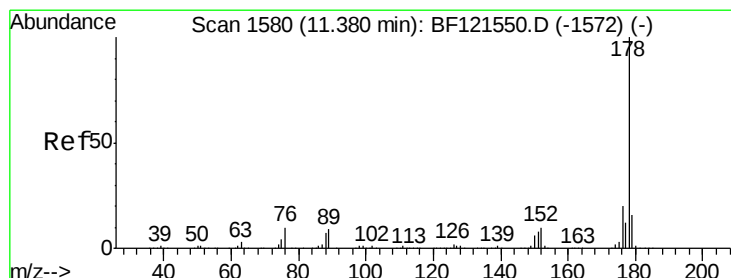
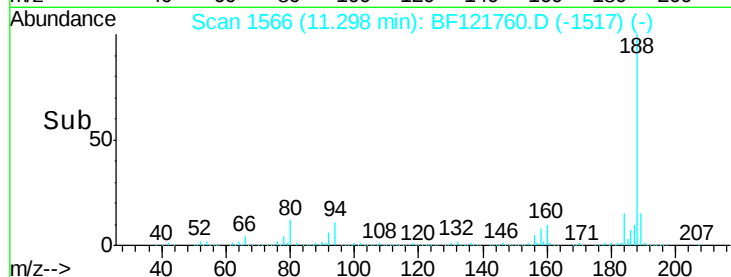
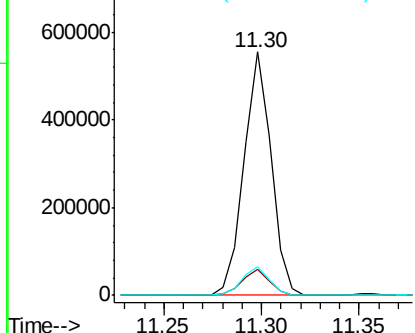
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	8.2	12.2
80	11.6	8.9	13.3

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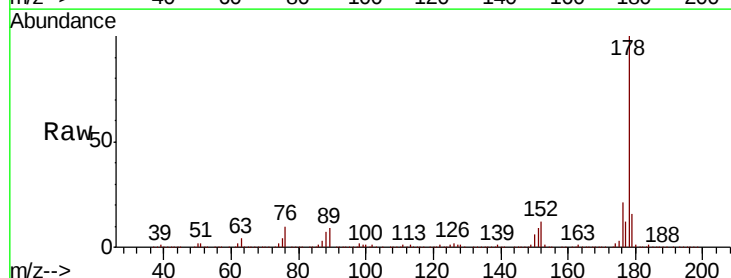


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

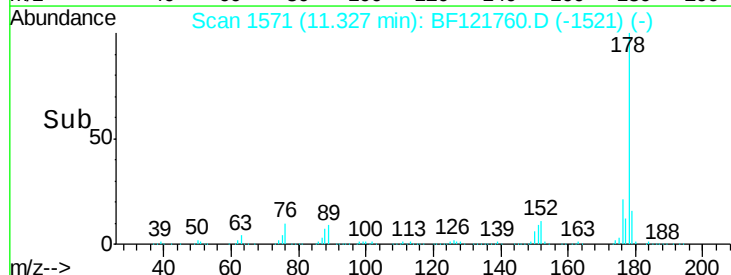
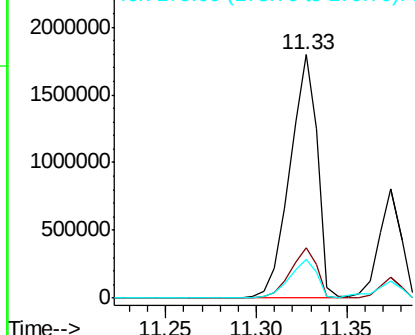


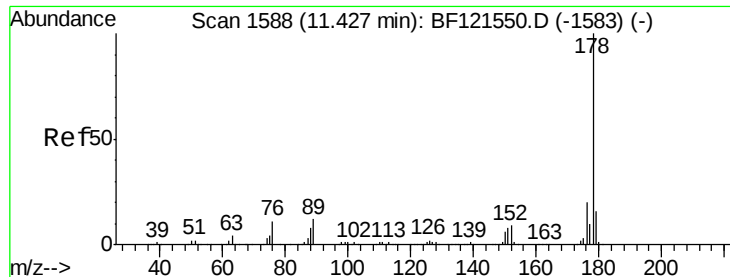
#71
Phenanthrene
Concen: 64.997 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.7	16.0	24.0
179	16.1	12.6	19.0



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





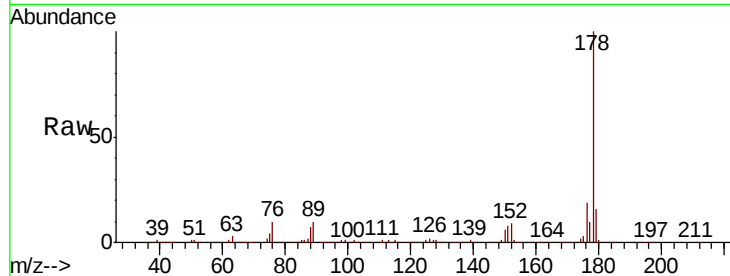
#72
 Anthracene
 Concen: 21.931 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

Instrument :
 BNA_F
 ClientSampled :
 B-14(9-11)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	15.5	12.6	19.0

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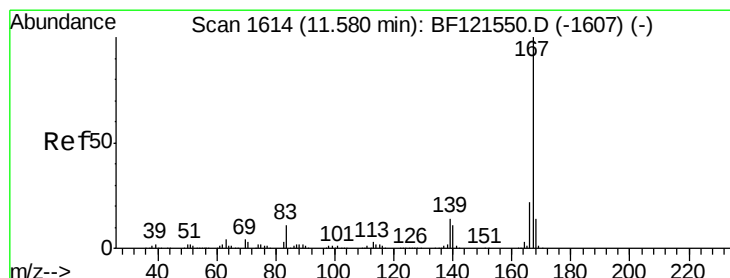
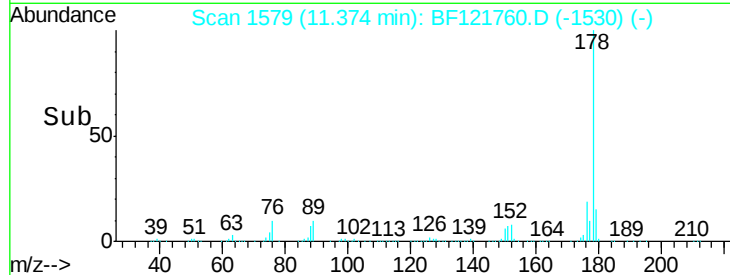
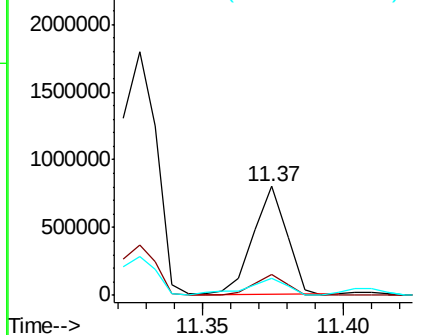


Abundance

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: 6.418 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

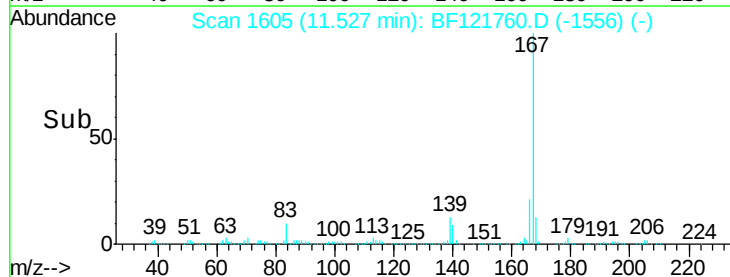
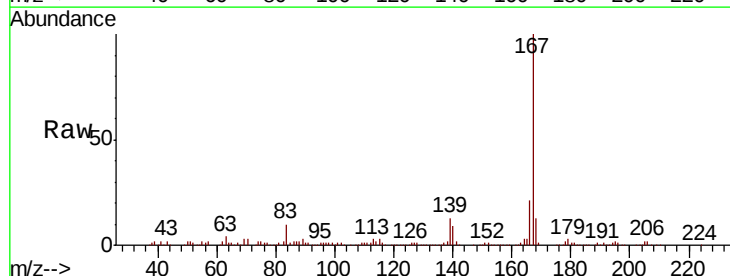
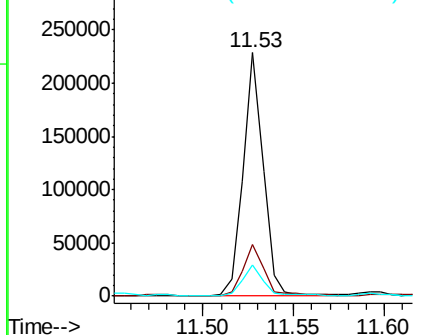
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.7	26.5
139	12.7	10.9	16.3

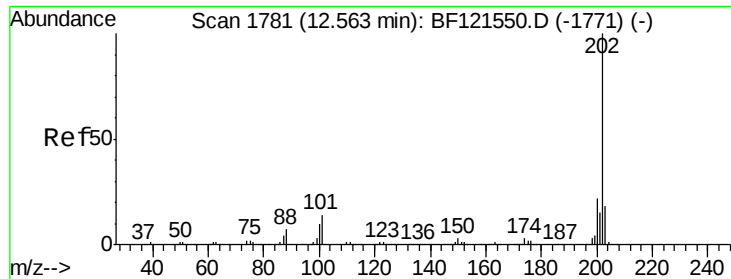
Abundance

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: 81.906 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Instrument :

BNA_F

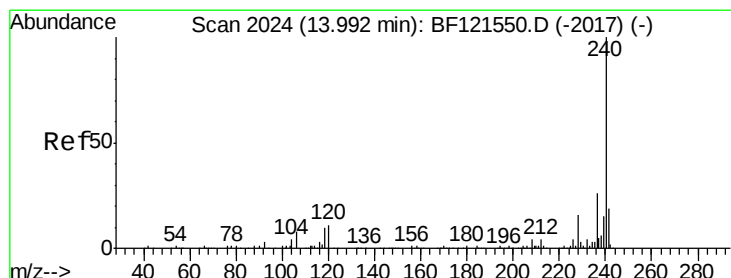
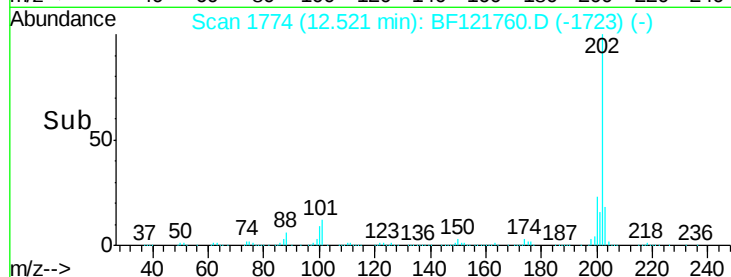
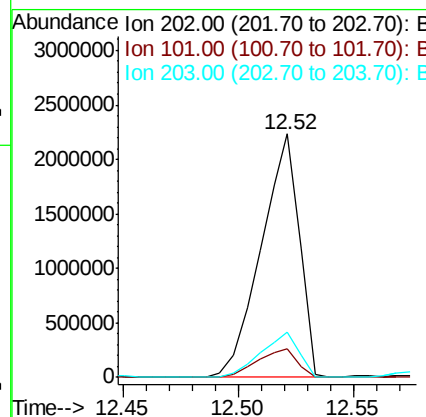
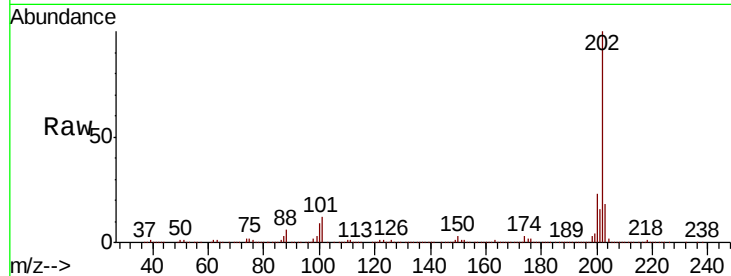
ClientSampleId :

B-14(9-11)

Tot Ion:	202	Resp:	2560198
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	32.0
203	18.4	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

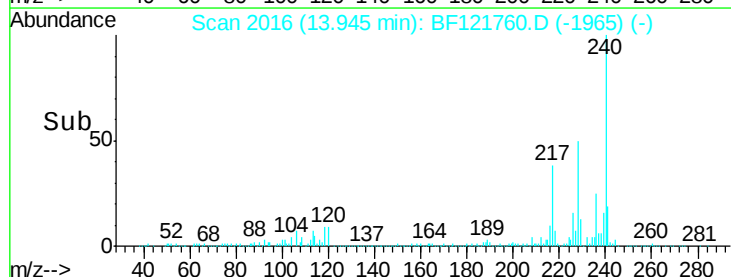
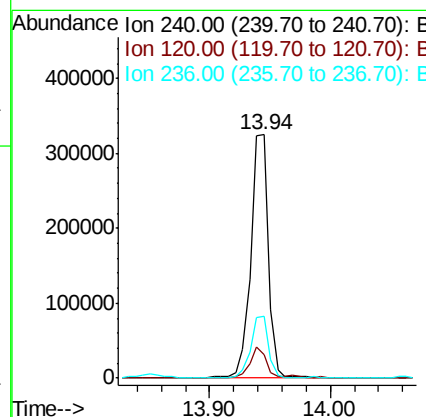
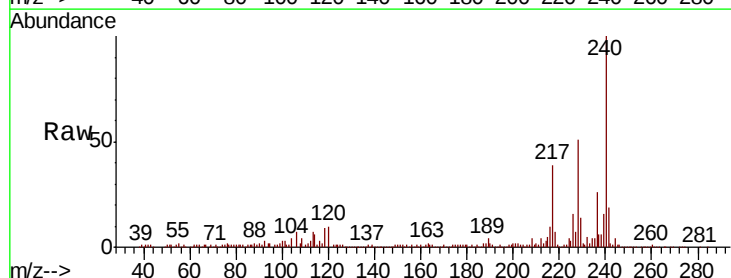
RT: 13.94 min Scan# 2016

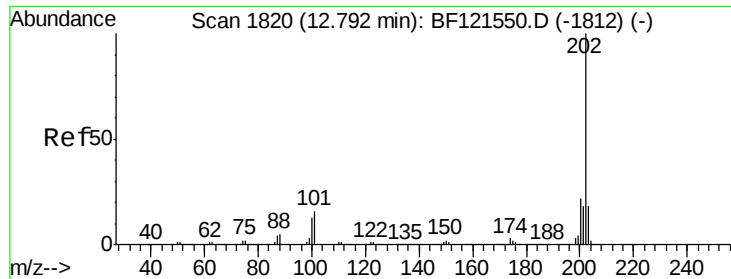
Delta R.T. 0.00 min

Lab File: BF121760.D

Acq: 1 Oct 2020 2:11

Tgt Ion:	240	Resp:	331126
Ion Ratio	Lower	Upper	
240	100		
120	9.6	10.2	15.4#
236	25.6	20.4	30.6





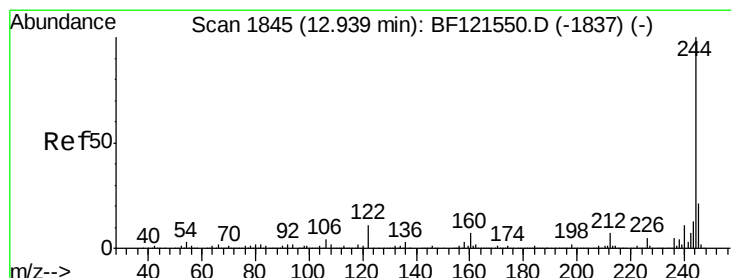
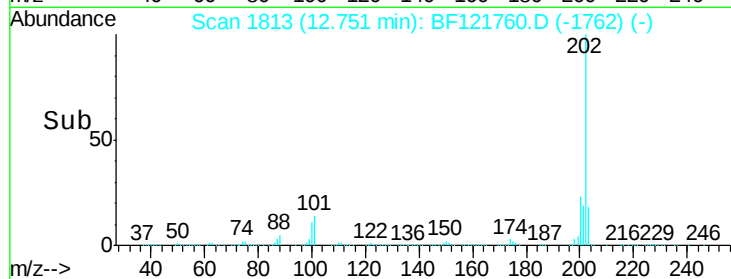
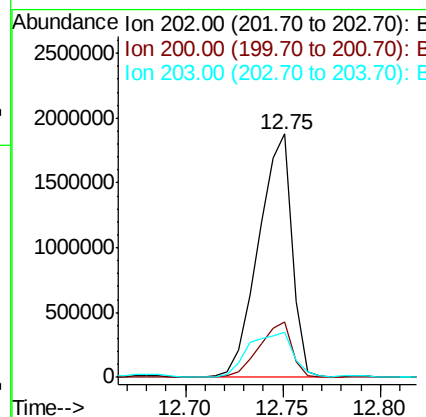
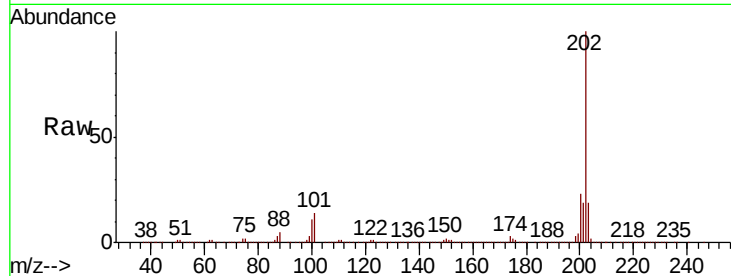
#78
Pvrene
Concen: 91.561 ng
RT: 12.75 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.4	26.2
203	18.5	14.5	21.7

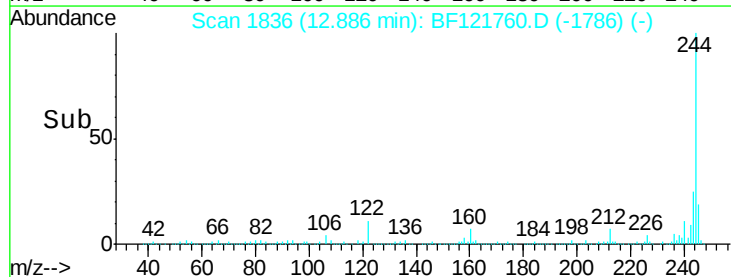
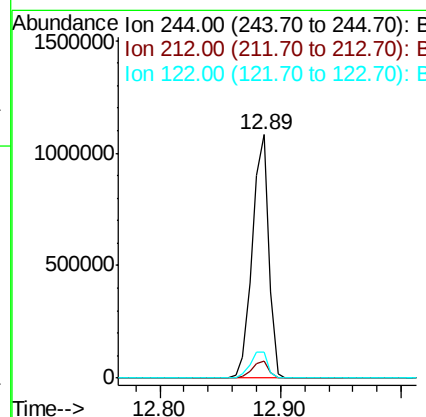
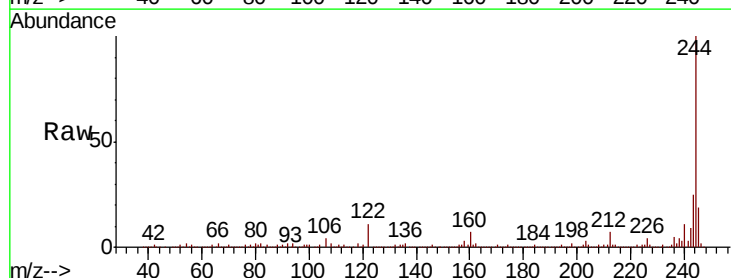
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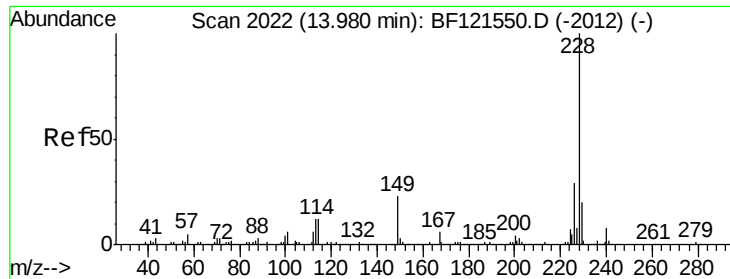
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#79
Terphenyl-d14
Concen: 63.113 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.6	9.0	13.4





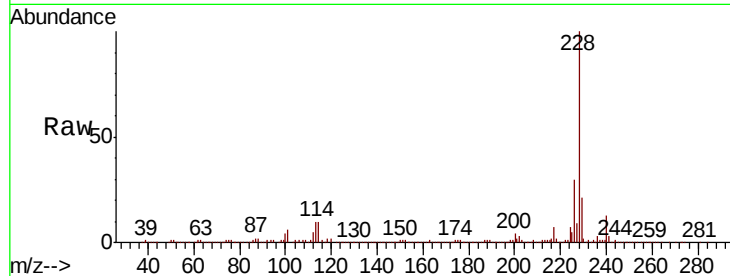
#81
Benzo(a)anthracene
Concen: 58.236 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampled :
B-14(9-11)

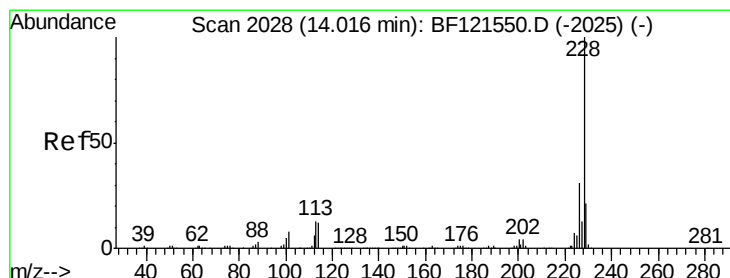
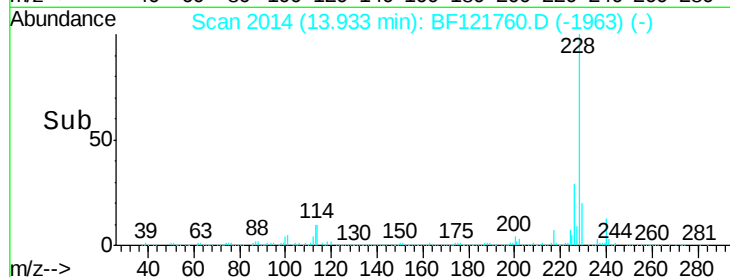
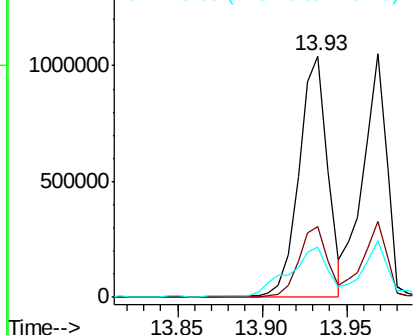
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	20.7	16.2	24.4

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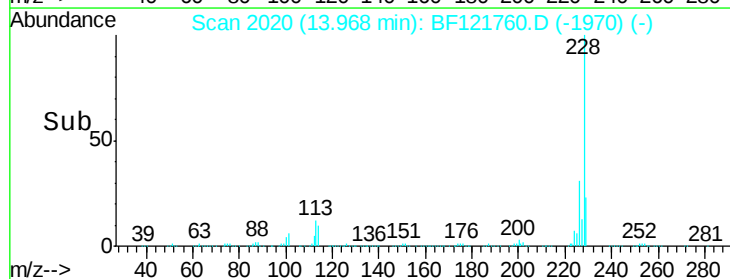
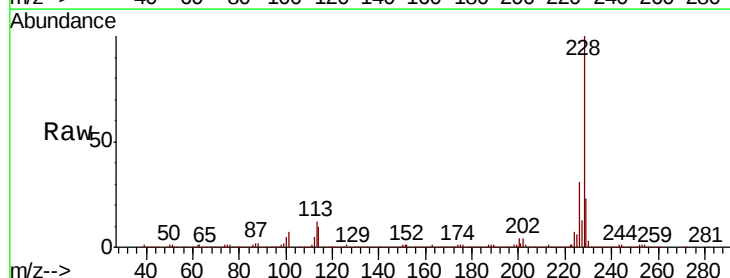
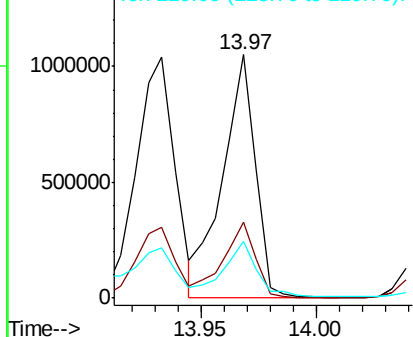
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

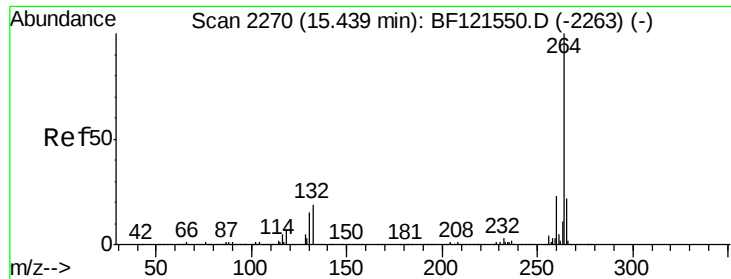


#83
Chrysene
Concen: 48.741 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	23.3	16.4	24.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





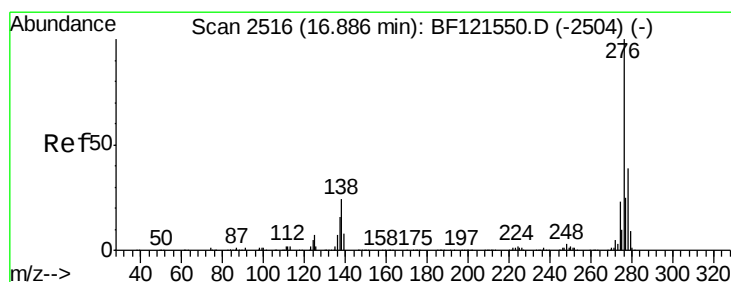
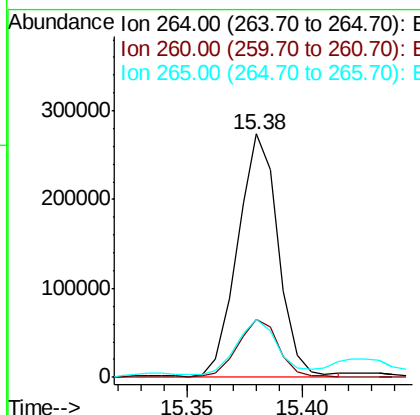
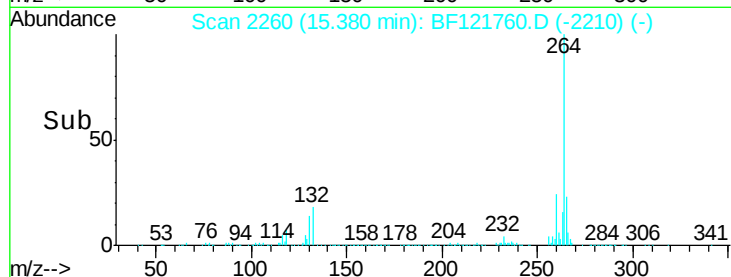
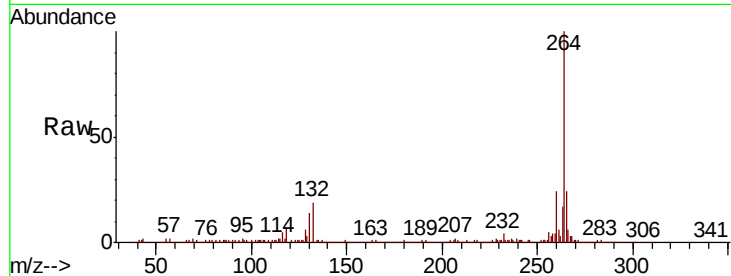
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

Tot Ion:	264	Resp:	331634
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.0	28.6
265	23.7	17.3	25.9

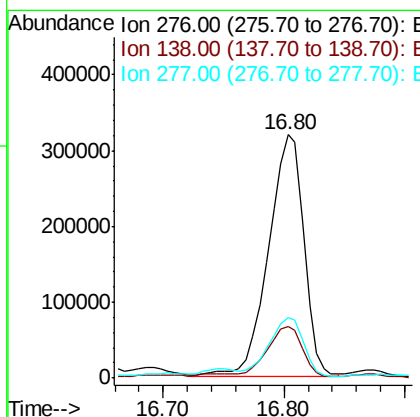
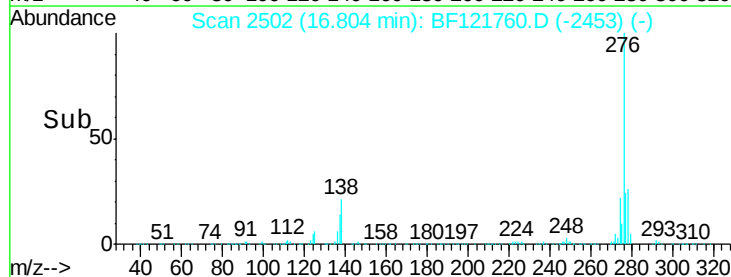
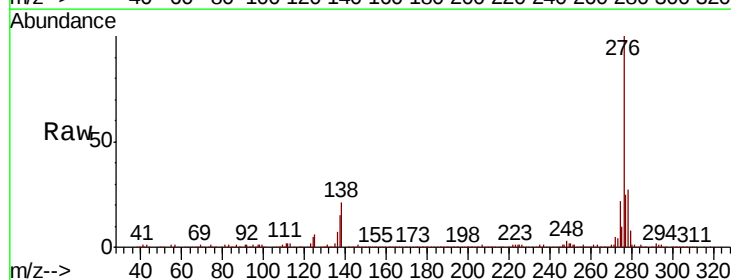
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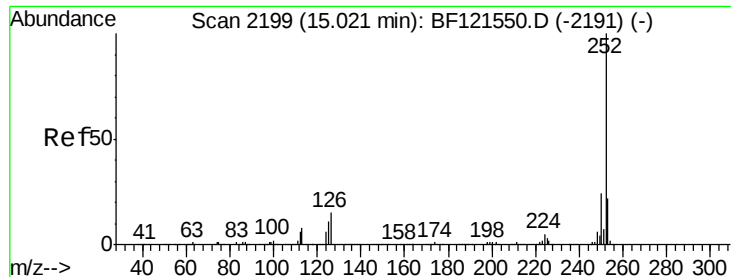
mohammad
10/1/2020 1:32:40 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 30.242 ng
RT: 16.80 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion:	276	Resp:	653148
Ion Ratio	Lower	Upper	
276	100		
138	20.7	19.4	29.0
277	23.5	20.4	30.6





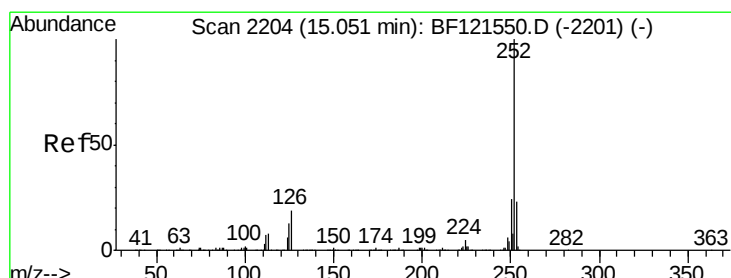
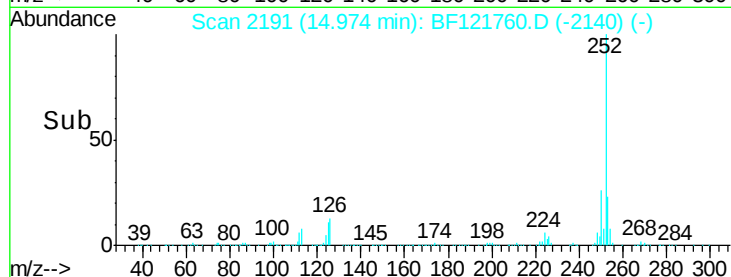
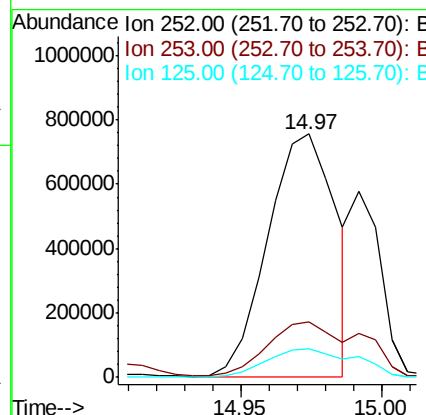
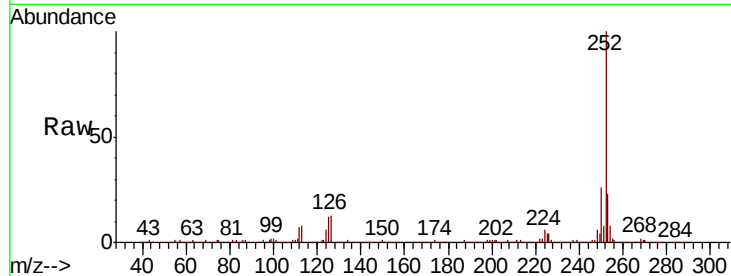
#88
Benzo(b)fluoranthene
Concen: 56.731 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampled :
B-14(9-11)

Tot Ion:252 Resp: 1257724
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 11.5 8.0 12.0

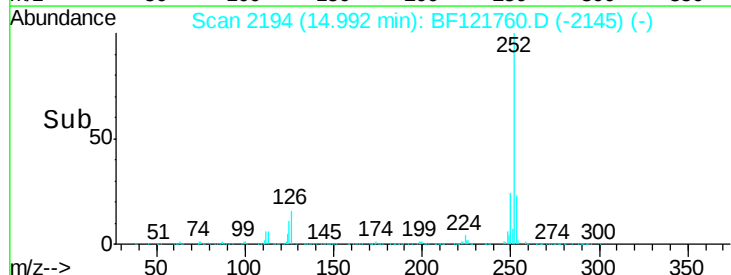
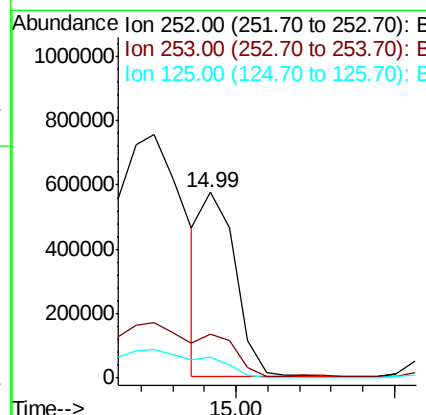
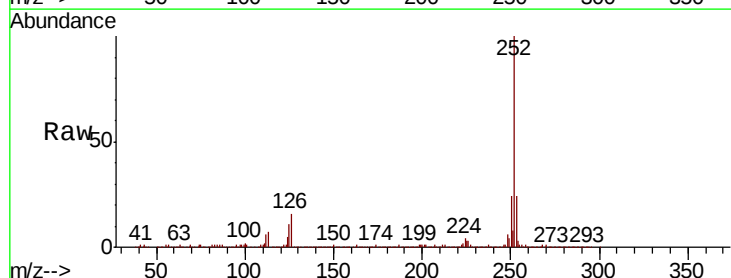
Manual Integrations
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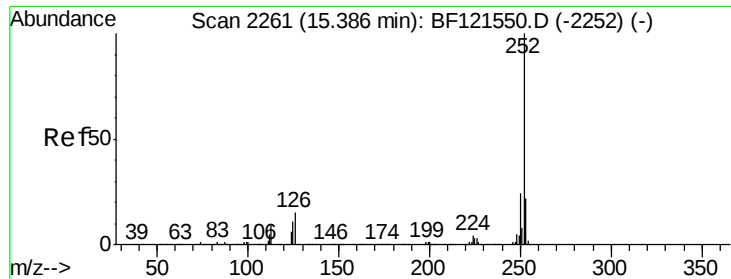
mohammad
10/1/2020 1:32:40 PM



#89
Benzo(k)fluoranthene
Concen: 20.230 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion:252 Resp: 410714
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 11.2 7.8 11.6





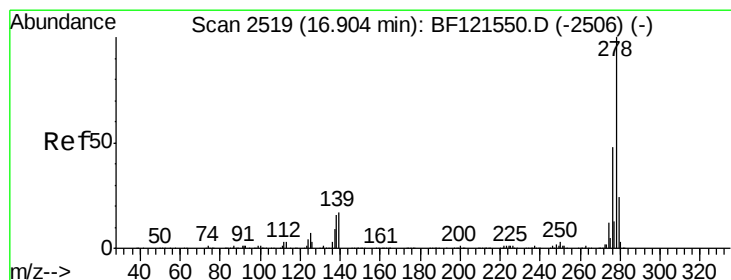
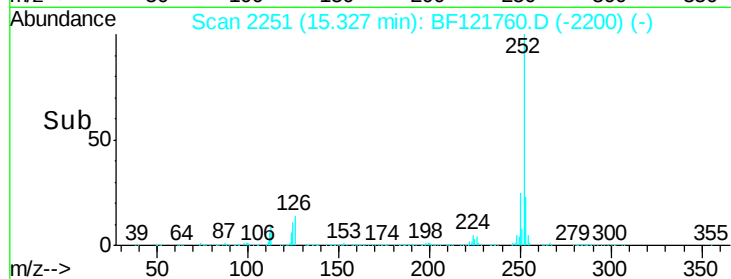
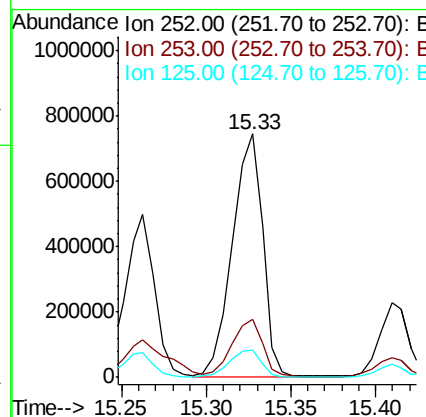
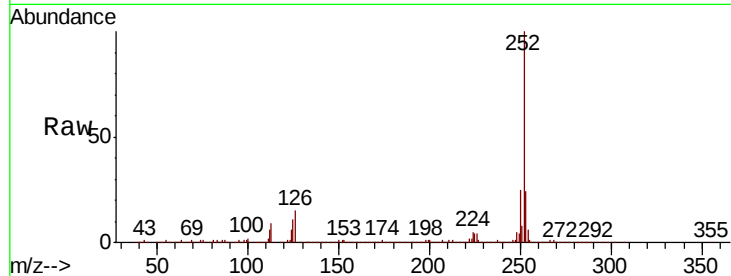
#90
Benzo(a)pyrene
Concen: 49.313 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Instrument :
BNA_F
ClientSampled :
B-14(9-11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	11.3	9.2	13.8

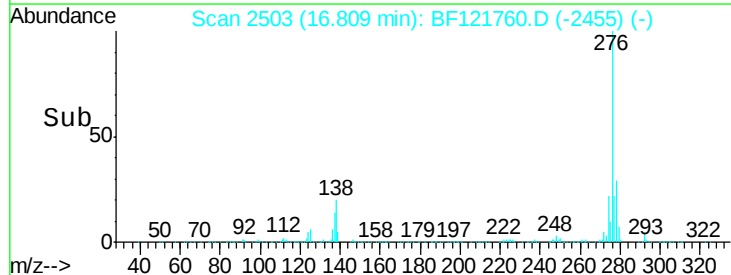
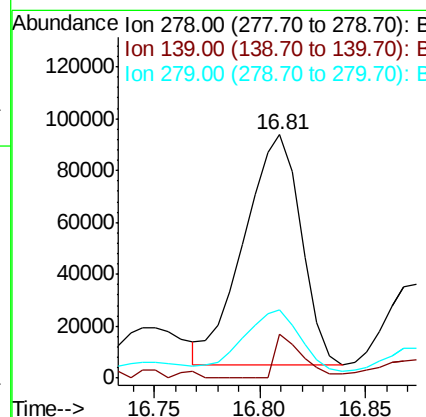
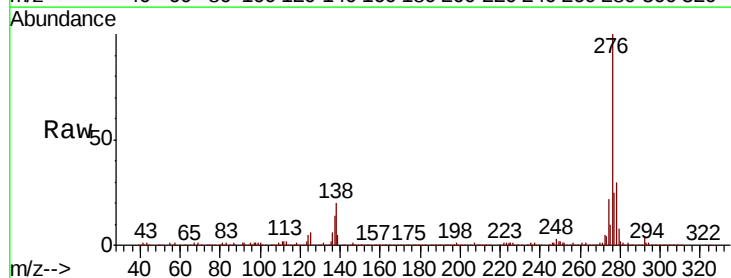
Manual Integrations
APPROVED

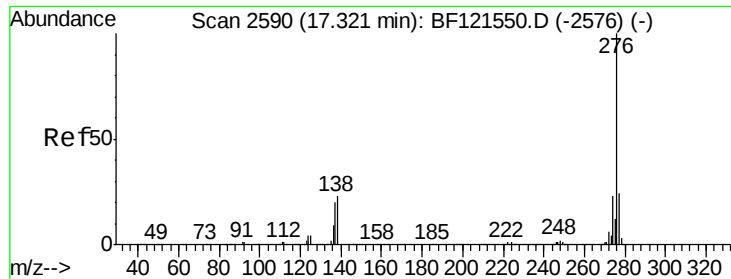
mohammad
10/1/2020 1:32:40 PM



#91
Dibenzo(a,h)anthracene
Concen: 9.241 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.02 min
Lab File: BF121760.D
Acq: 1 Oct 2020 2:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	12.5	18.7
279	27.9	19.2	28.8





#92
 Benzo(a,h,i)perylene
 Concen: 32.966 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: BF121760.D
 Acq: 1 Oct 2020 2:11

Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

Tot Ion:	276	Resp:	582566
Ion Ratio		Lower	Upper
276	100		
277	24.2	19.2	28.8
138	21.3	16.7	25.1

Manual Integrations
 APPROVED

mohammad
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