

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121780.D
 Acq On : 1 Oct 2020 21:50
 Operator : JU/CG
 Sample : L4193-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-13(11-13)

Manual Integrations
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 10/2/2020 12:13:57 PM

Quant Time: Oct 02 01:21:50 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	129362	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	449890	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	198850	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	327302	20.00	ng	0.00
76) Chrysene-d12	13.95	240	272602	20.00	ng	0.02
86) Perylene-d12	15.39	264	266061	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	792152	91.00	ng	0.01
7) Phenol-d6	6.42	99	997716	87.37	ng	0.00
23) Nitrobenzene-d5	7.34	82	651143	77.71	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	212366	85.93	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	953249	72.60	ng	0.00
79) Terphenyl-d14	12.89	244	835241	62.07	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.08	128	262464	11.052	ng	99
37) 2-Methylnaphthalene	8.77	142	77165	4.958	ng	99
38) 1-Methylnaphthalene	8.87	142	57446m	3.966	ng	
46) 1,1'-Biphenyl	9.23	154	32750	2.057	ng	99
49) Acenaphthylene	9.67	152	81849	4.246	ng	# 92
50) Dimethylphthalate	9.53	163	98685	6.847	ng	# 89
52) Acenaphthene	9.85	154	257135	21.121	ng	98
55) Dibenzofuran	10.02	168	230822	13.463	ng	98
58) Fluorene	10.36	166	293384	22.377	ng	100
71) Phenanthrene	11.33	178	2606263	146.150	ng	98
72) Anthracene	11.38	178	844206	45.874	ng	99
73) Carbazole	11.53	167	334074	20.117	ng	99
75) Fluoranthene	12.53	202	3496293	183.664	ng	96
78) Pyrene	12.76	202	2970026	149.119	ng	97
81) Benzo(a)anthracene	13.94	228	2055304	119.175	ng	98
83) Chrysene	13.98	228	1563881	89.549	ng	96
84) Bis(2-ethylhexyl)phthalate	13.92	149	36686	3.409	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	887351	51.213	ng	95
88) Benzo(b)fluoranthene	14.99	252	2147721m	120.750	ng	
89) Benzo(k)fluoranthene	15.01	252	721615m	44.304	ng	
90) Benzo(a)pyrene	15.34	252	1463672	96.809	ng	96
91) Dibenz(a,h)anthracene	16.83	278	230947	16.012	ng	95
92) Benzo(g,h,i)perylene	17.26	276	756546	53.361	ng	99

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

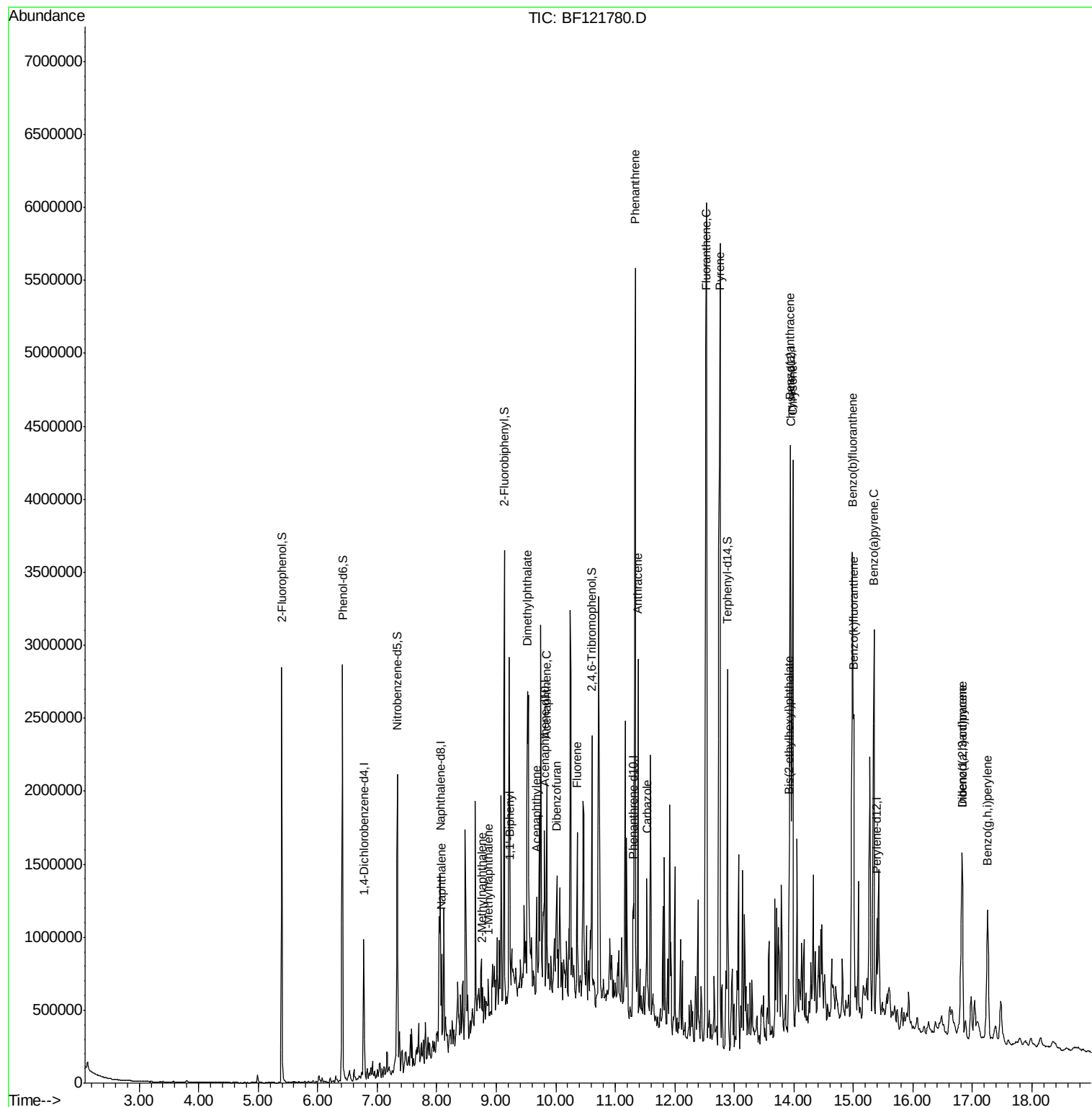
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

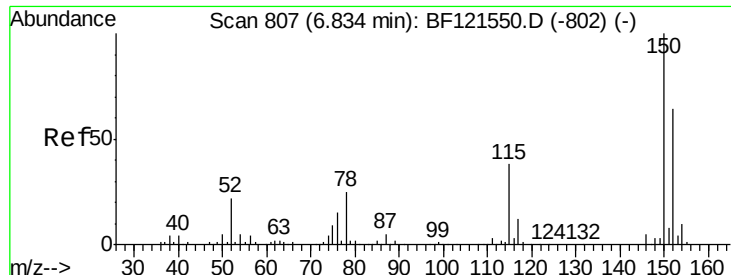
Instrument :
BNA_F
ClientSampleId :
B-13(11-13)

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Quant Time: Oct 02 01:21:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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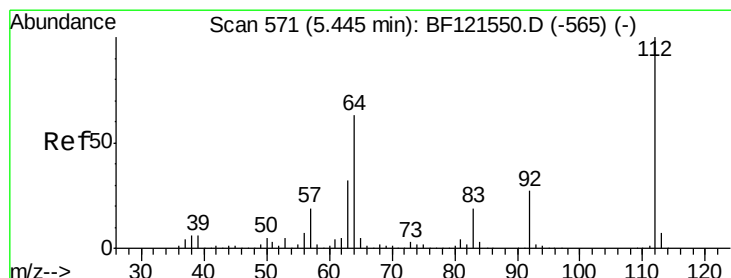
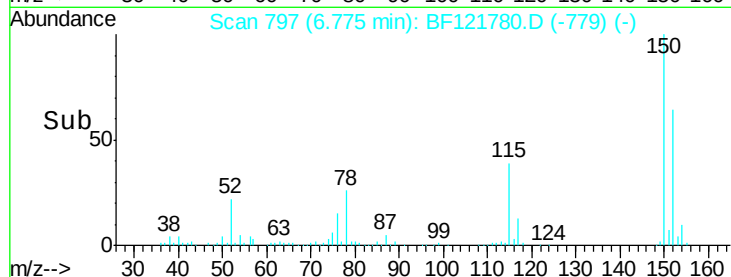
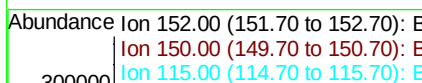
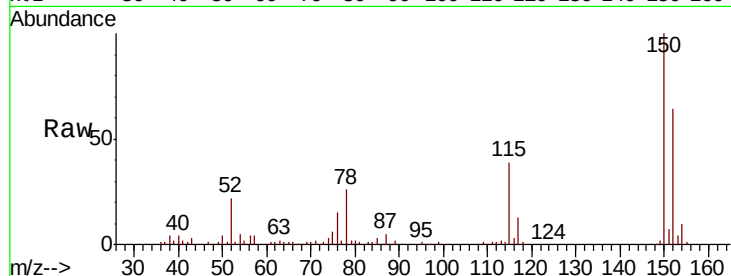
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF121780.D
 Acq: 1 Oct 2020 21:50

Instrument :
 BNA_F
 ClientSampleId :
 B-13(11-13)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.3	187.9
115	61.2	51.9	77.9

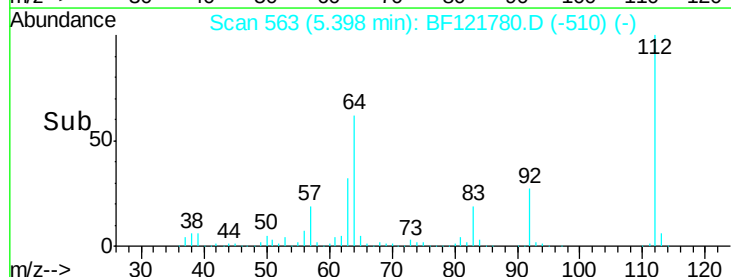
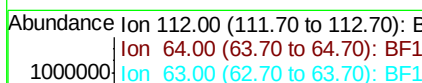
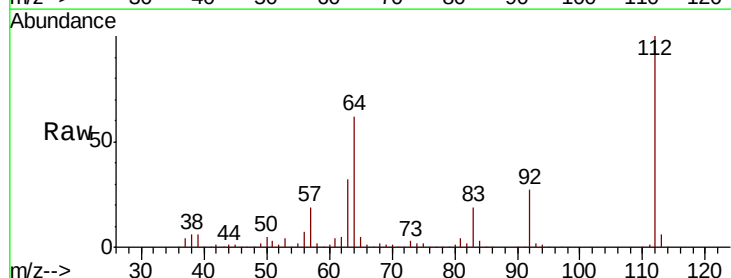
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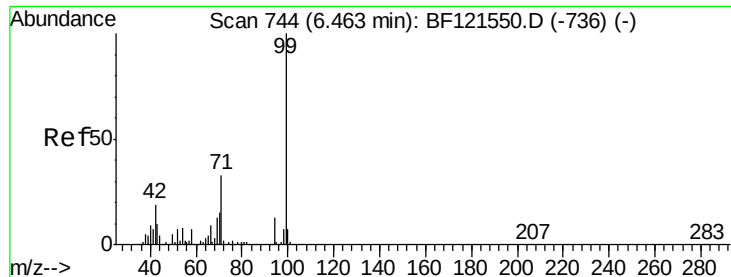
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#5
 2-Fluorophenol
 Concen: 91.003 ng
 RT: 5.40 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: BF121780.D
 Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	50.4	75.6
63	31.6	25.8	38.6





#7

Phenol-d6

Concen: 87.366 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA_F

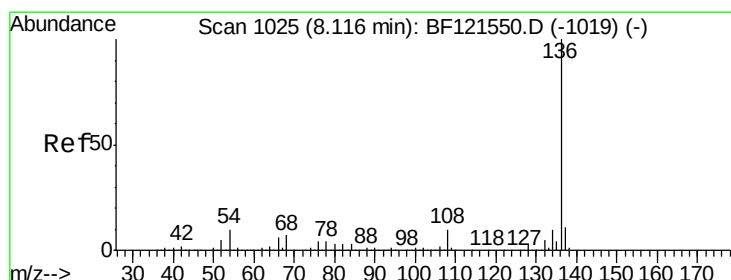
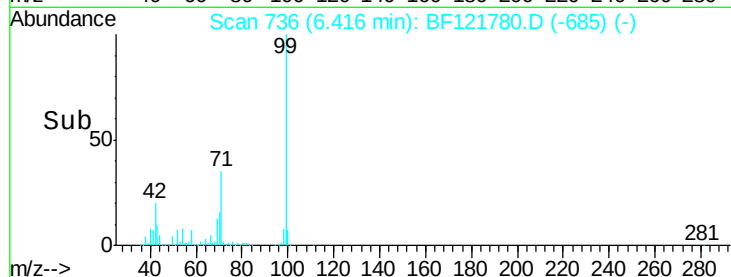
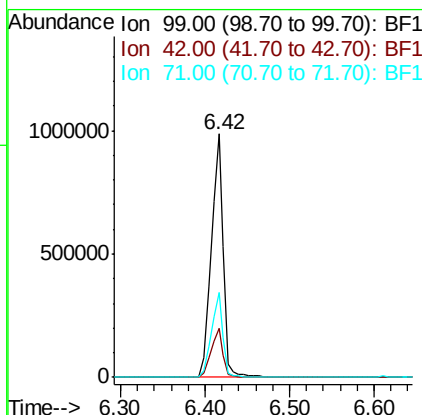
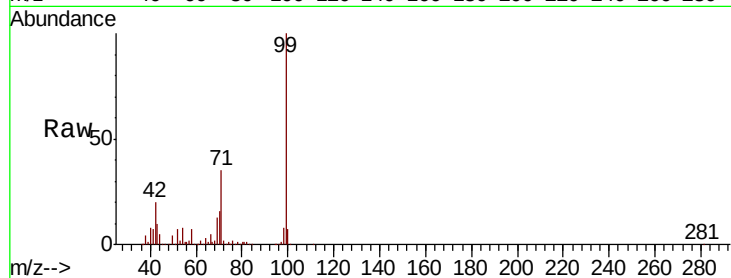
ClientSampled :

B-13(11-13)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		997716		
42	20.2	15.9	23.9		
71	34.8	27.1	40.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

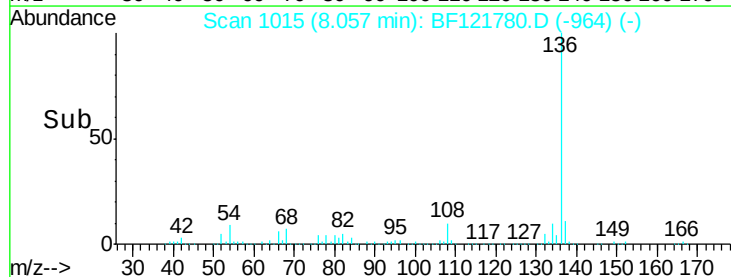
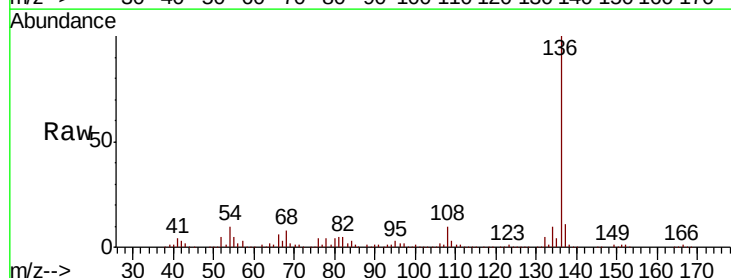
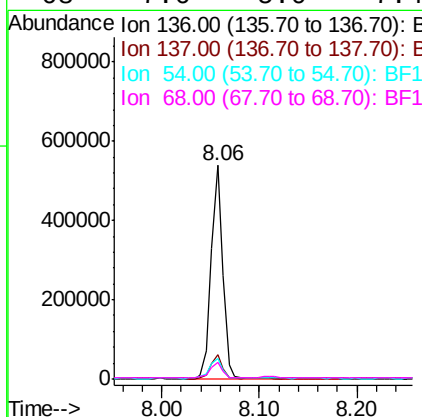
RT: 8.06 min Scan# 1015

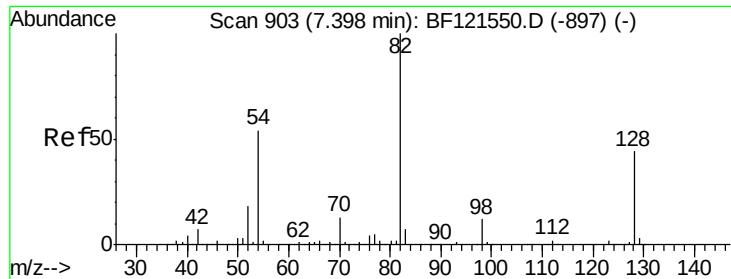
Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		449890		
137	11.4	8.6	13.0		
54	9.6	7.1	10.7		
68	7.6	5.0	7.4#		





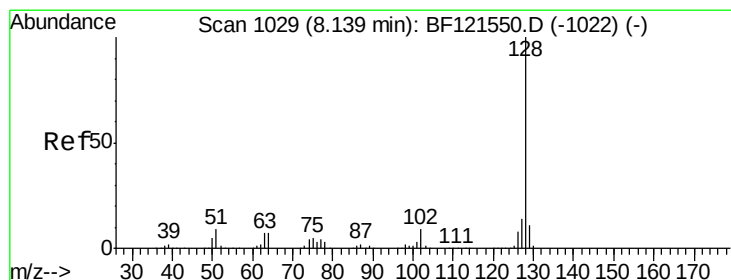
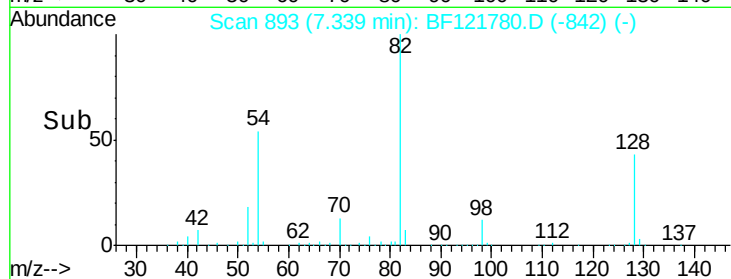
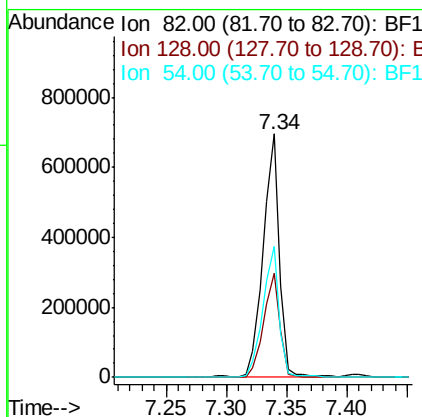
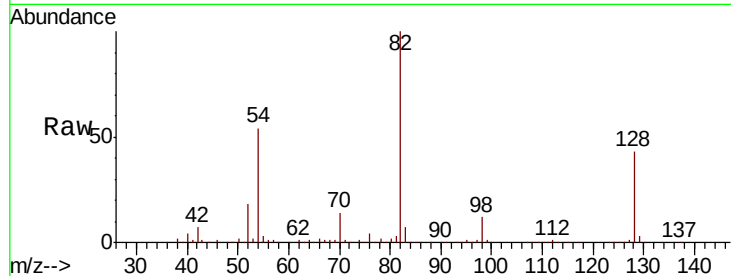
#23
Nitrobenzene-d5
Concen: 77.710 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampled :
B-13(11-13)

Tot Ion	82	Resp	651143
Ion Ratio	Lower	Upper	
82	100		
128	42.7	35.0	52.4
54	53.7	43.9	65.9

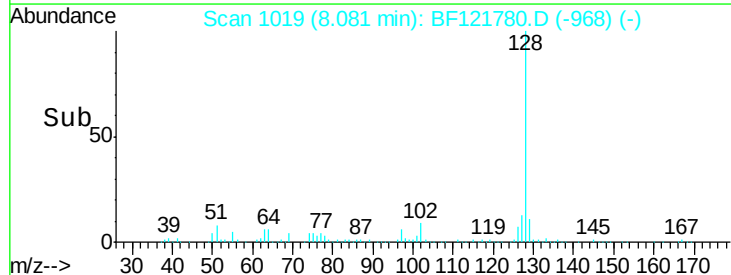
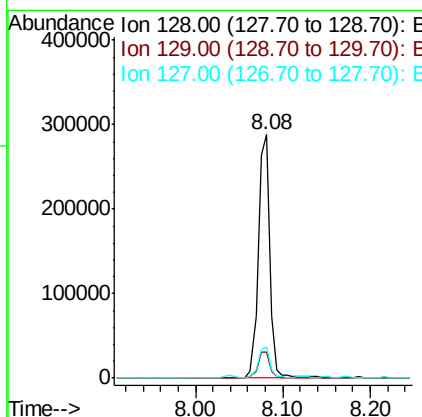
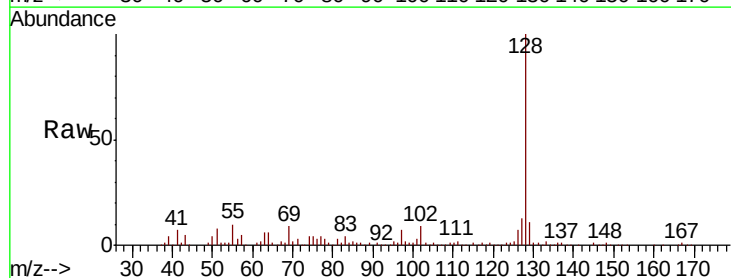
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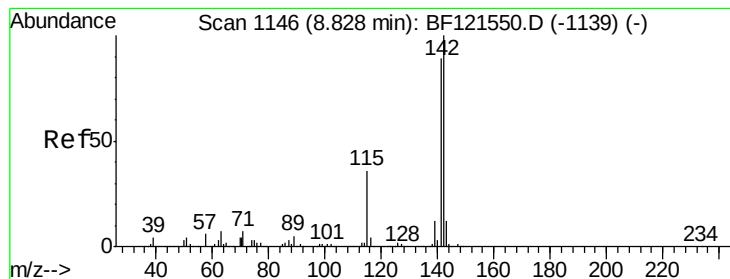
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#31
Naphthalene
Concen: 11.052 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion	128	Resp	262464
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.7	13.1
127	13.0	10.8	16.2





#37

2-Methylnaphthalene

Concen: 4.958 ng

RT: 8.77 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA_F

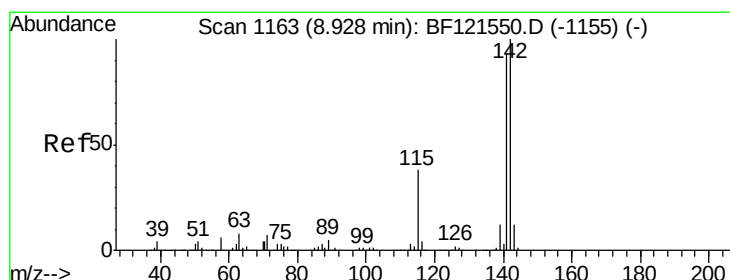
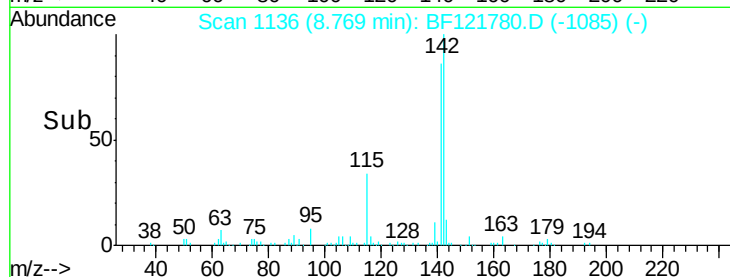
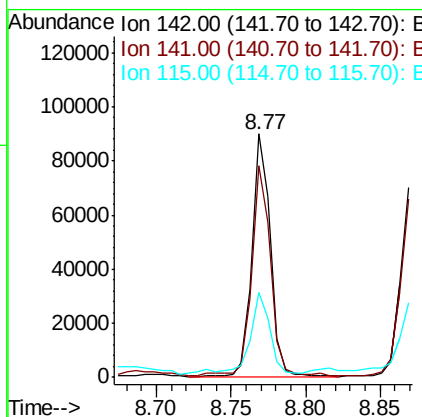
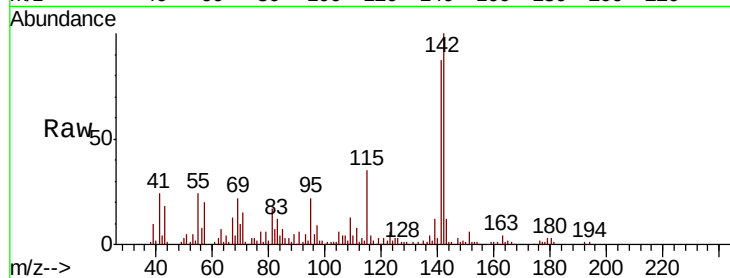
ClientSampleId :

B-13(11-13)

Tot Ion:	142	Resp:	77165
Ion Ratio	Lower	Upper	
142	100		
141	86.9	70.2	105.4
115	34.9	28.6	43.0

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#38

1-Methylnaphthalene

Concen: 3.966 ng m

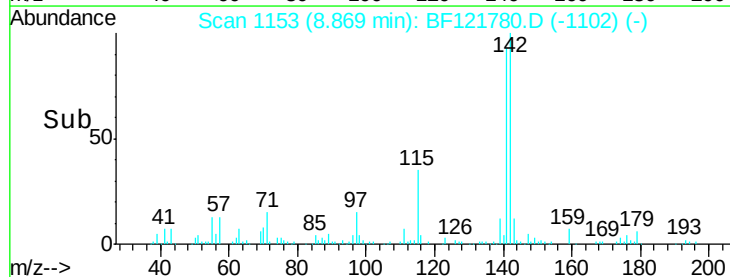
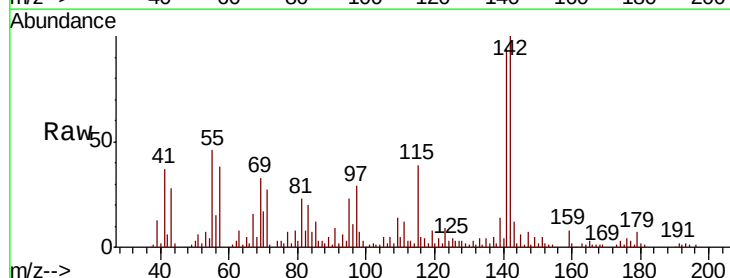
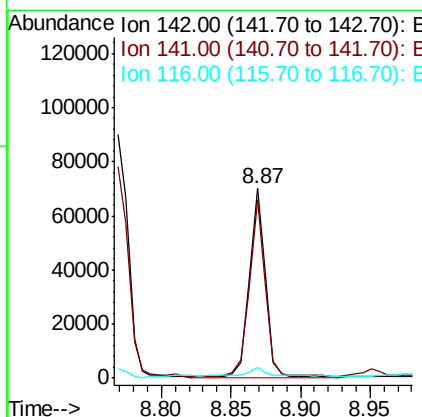
RT: 8.87 min Scan# 1153

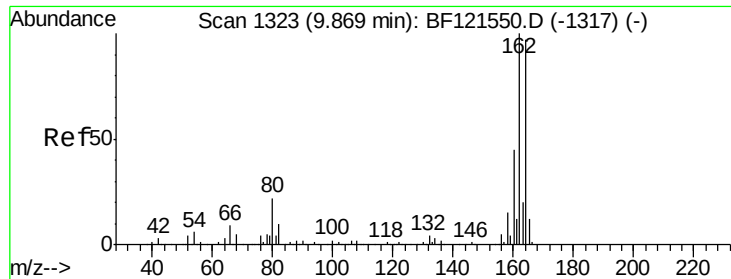
Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Tgt Ion:	142	Resp:	57446
Ion Ratio	Lower	Upper	
142	100		
141	93.9	74.5	111.7
116	5.3	3.2	4.8#





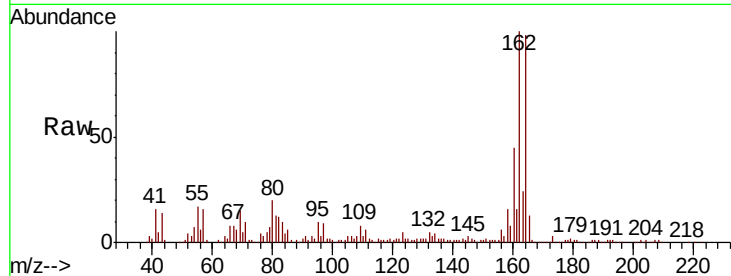
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampled :
B-13(11-13)

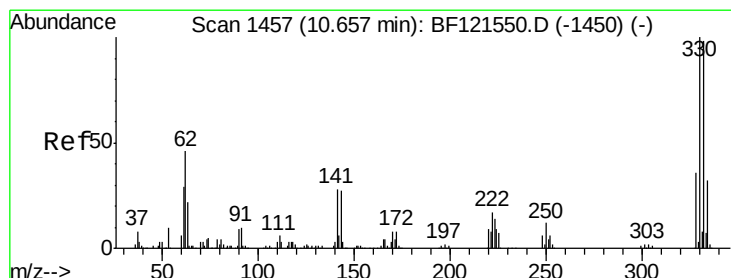
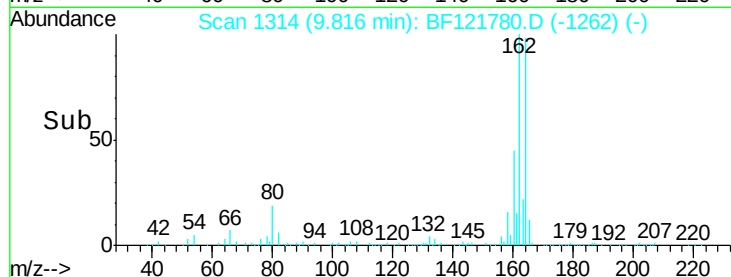
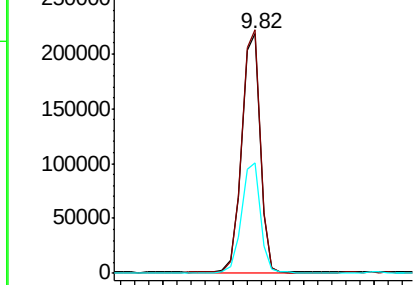
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	83.2	124.8	
160	46.1	37.5	56.3	

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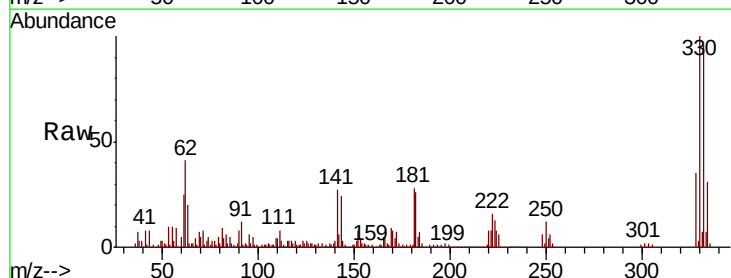


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

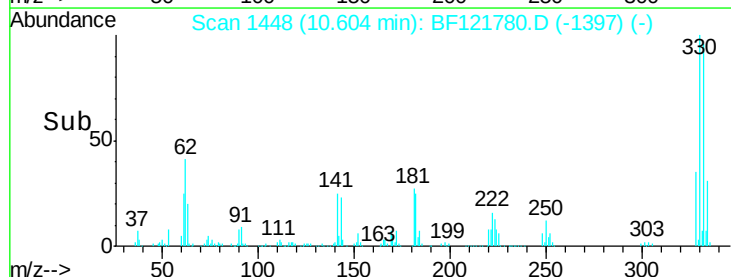
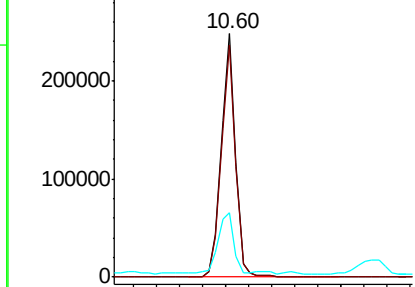


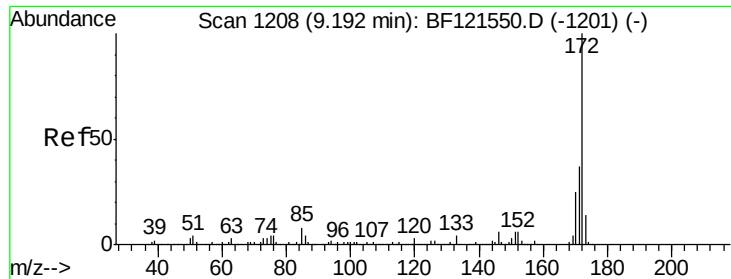
#42
2,4,6-Tribromophenol
Concen: 85.928 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	77.3	115.9	
141	27.3	22.3	33.5	



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





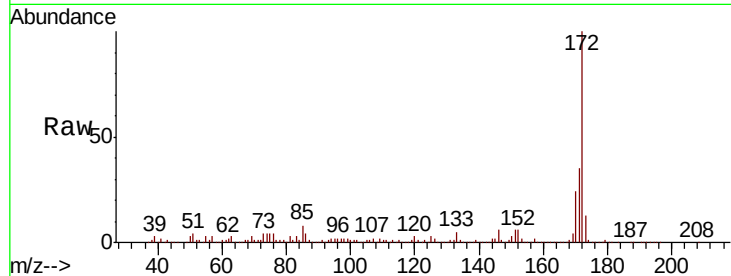
#45
2-Fluorobiphenyl
Concen: 72.604 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampleId :
B-13(11-13)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.1	43.7
170	24.0	19.8	29.6

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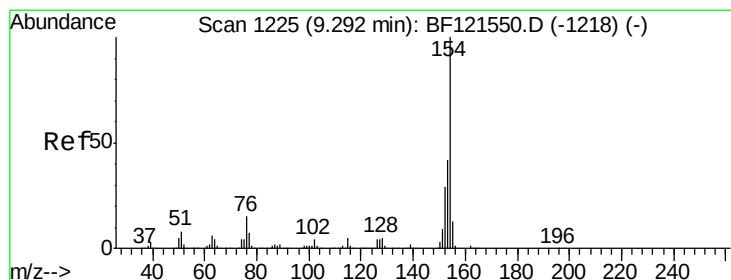
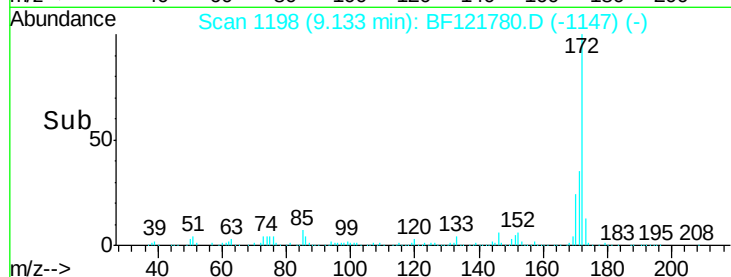
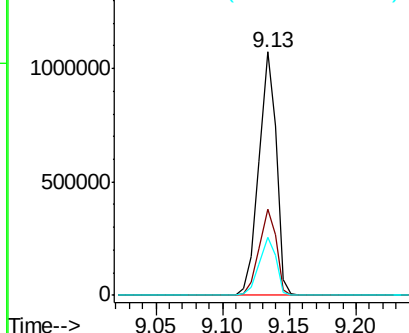


Abundance

Ion 172.00 (171.70 to 172.70): E

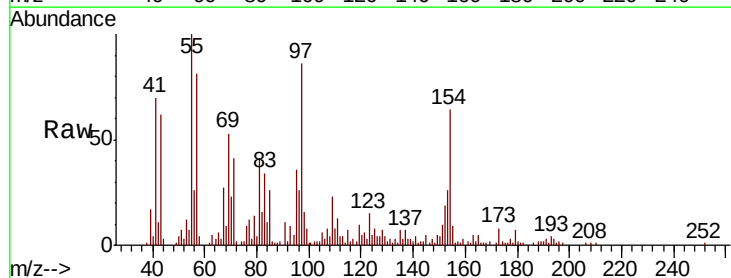
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 2.057 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.3	61.3
76	13.7	0.0	34.7

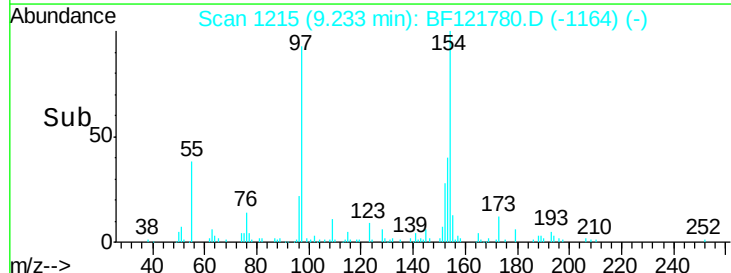
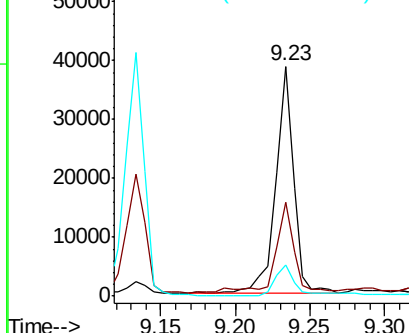


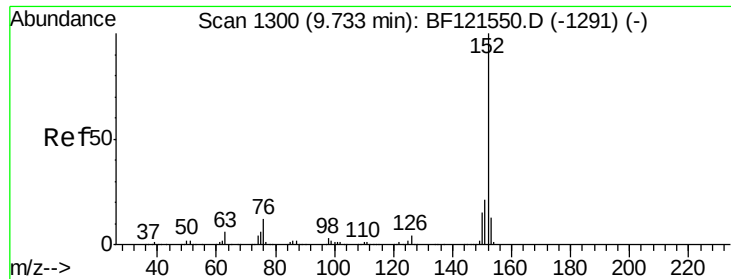
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 4.246 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA_F

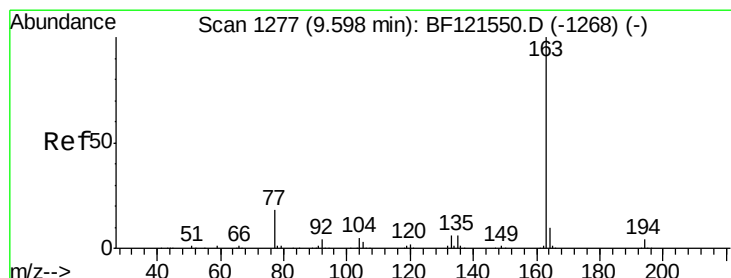
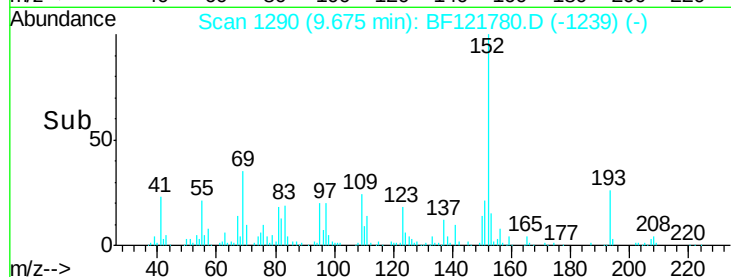
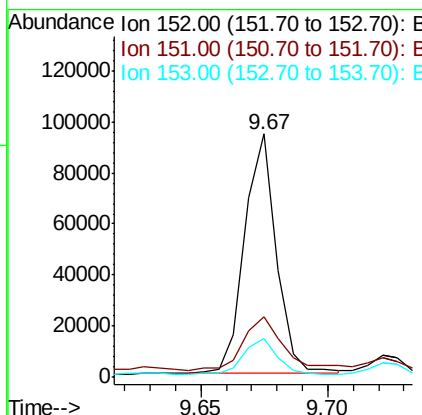
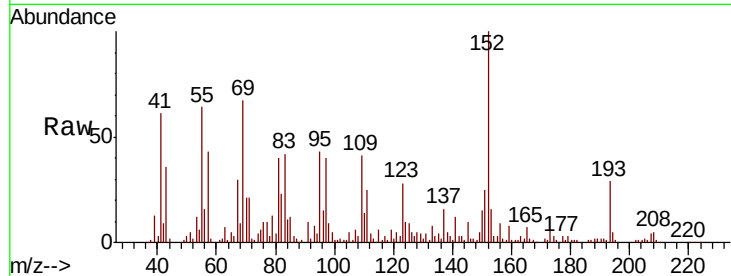
ClientSampleId :

B-13(11-13)

Tot Ion:	152	Resp:	81849
Ion Ratio	Lower	Upper	
152	100		
151	24.7	16.4	24.6#
153	15.9	10.6	15.8#

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#50

Dimethylphthalate

Concen: 6.847 ng

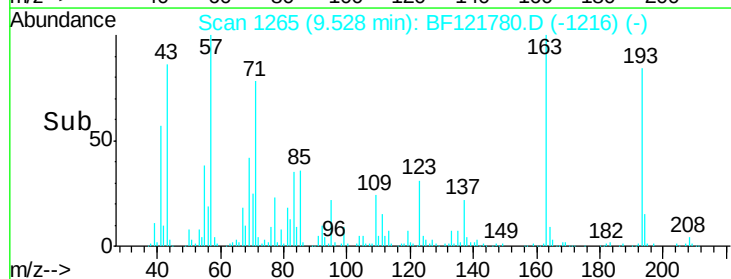
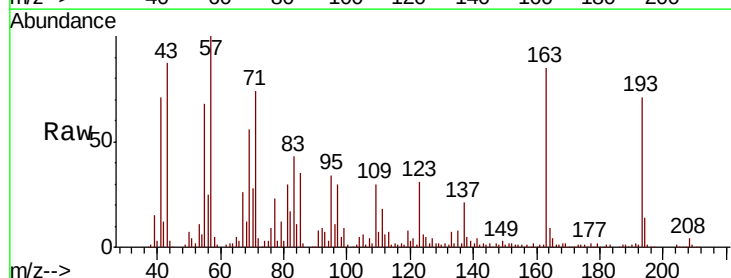
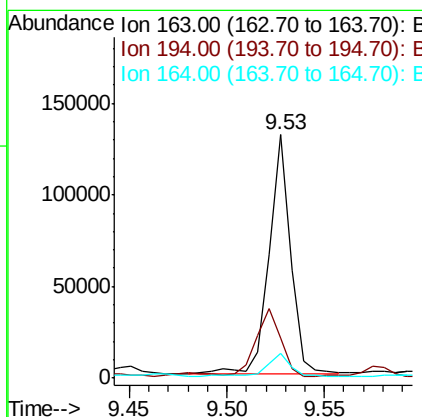
RT: 9.53 min Scan# 1265

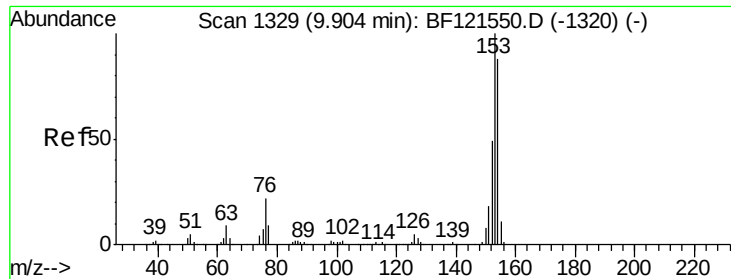
Delta R.T. -0.01 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Tgt Ion:	163	Resp:	98685
Ion Ratio	Lower	Upper	
163	100		
194	16.7	3.3	4.9#
164	10.1	8.2	12.4





#52

Acenaphthene

Concen: 21.121 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA_F

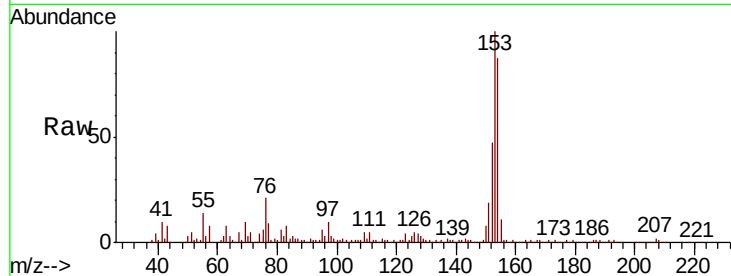
ClientSampleId :

B-13(11-13)

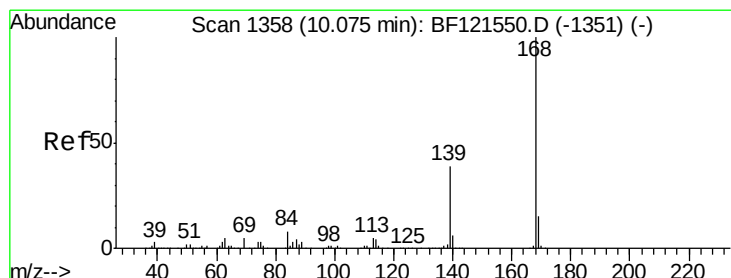
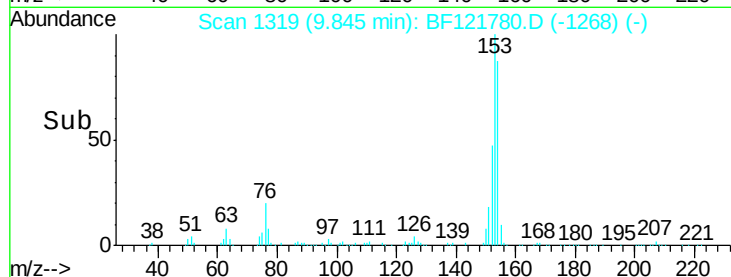
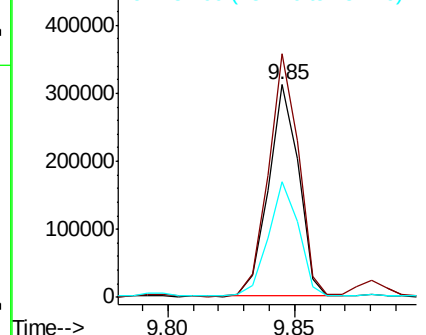
Tot Ion:	154	Resp:	257135
Ion Ratio	Lower	Upper	
154	100		
153	114.7	89.8	134.8
152	54.3	43.2	64.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 13.463 ng

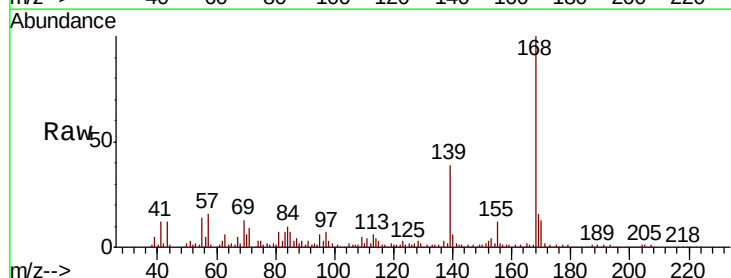
RT: 10.02 min Scan# 1348

Delta R.T. 0.00 min

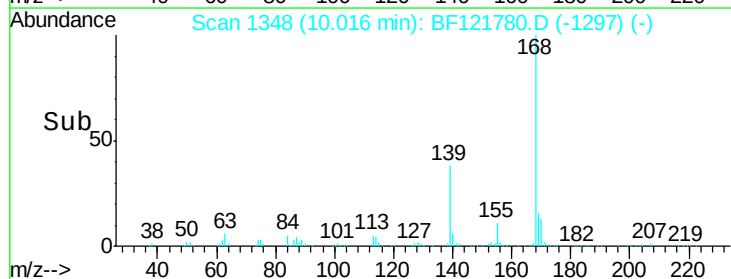
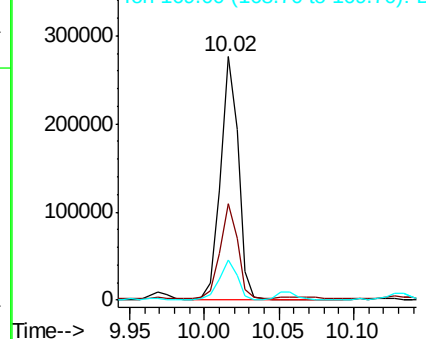
Lab File: BF121780.D

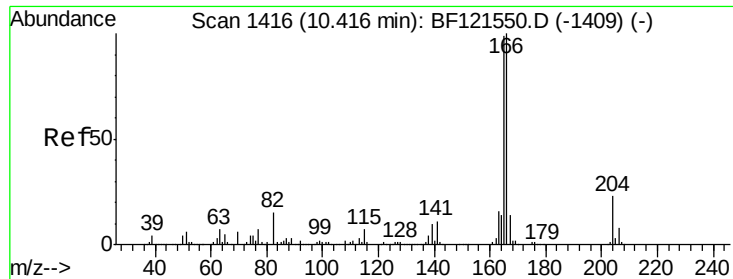
Acq: 1 Oct 2020 21:50

Tgt Ion:	168	Resp:	230822
Ion Ratio	Lower	Upper	
168	100		
139	39.4	31.0	46.6
169	16.4	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





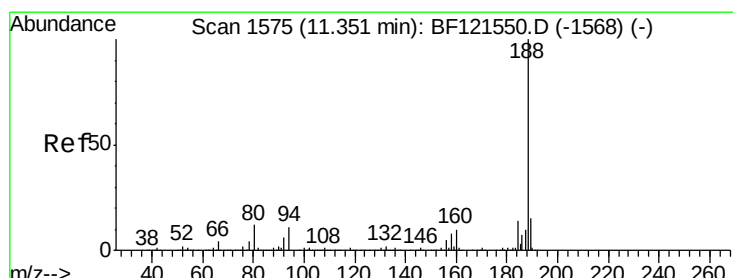
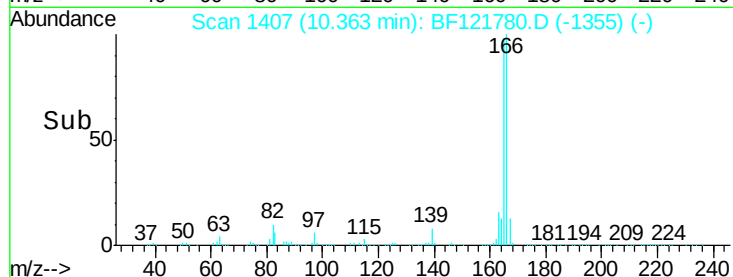
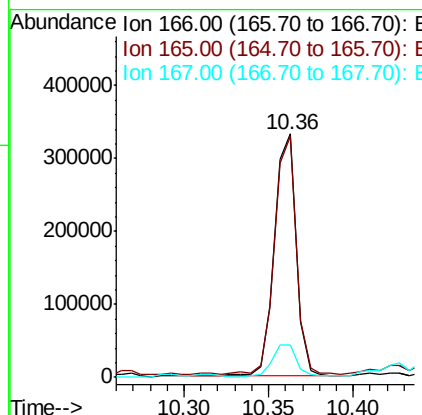
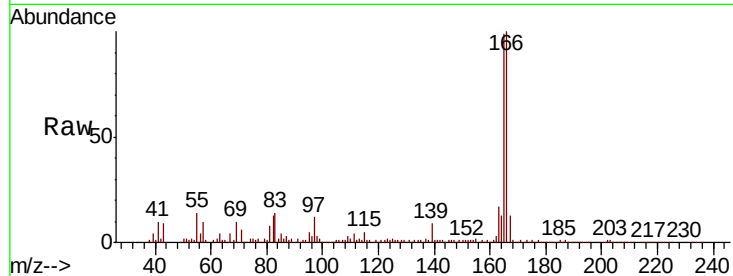
#58
Fluorene
Concen: 22.377 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.01 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampleId :
B-13(11-13)

Tot Ion	Ratio	Resp	Lower	Upper
166	100	293384		
165	99.0	79.1	118.7	
167	13.3	11.0	16.6	

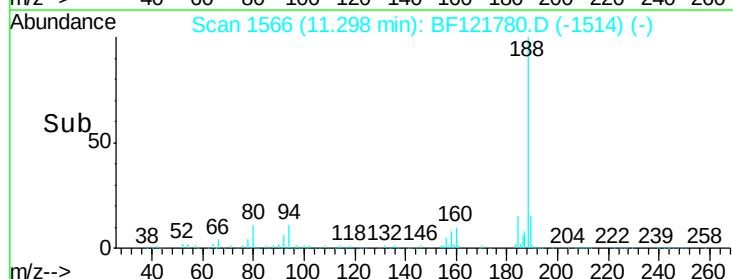
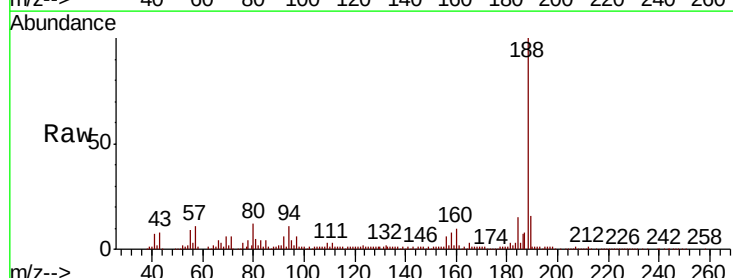
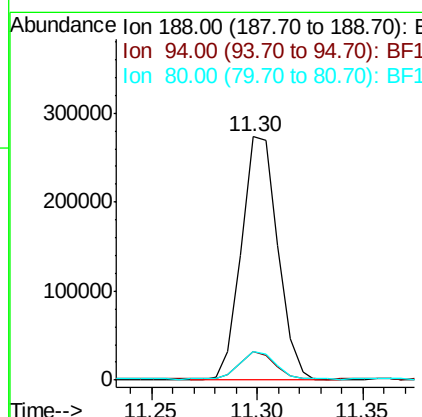
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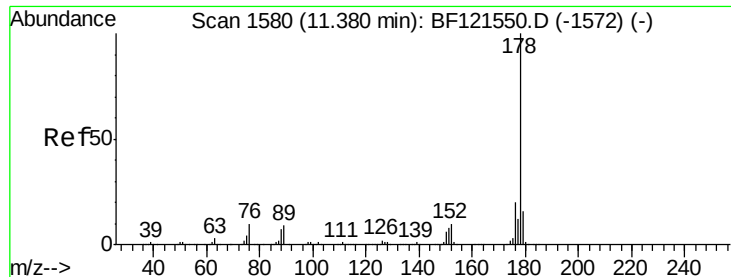
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	327302		
94	11.5	8.3	12.5	
80	11.9	9.1	13.7	





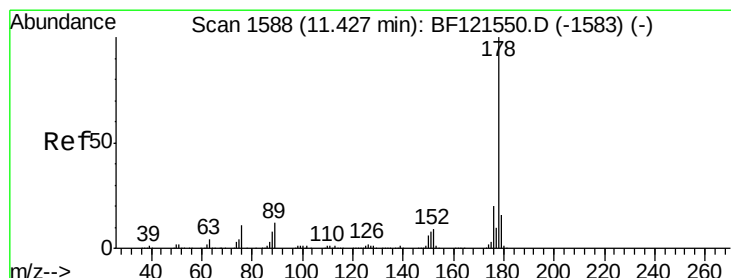
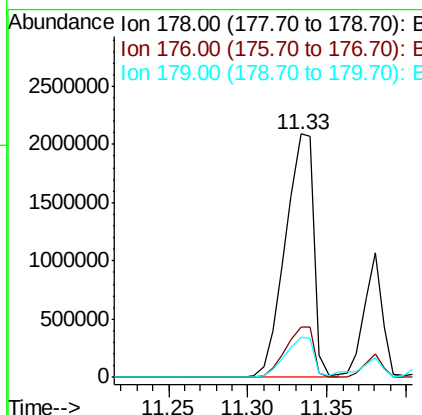
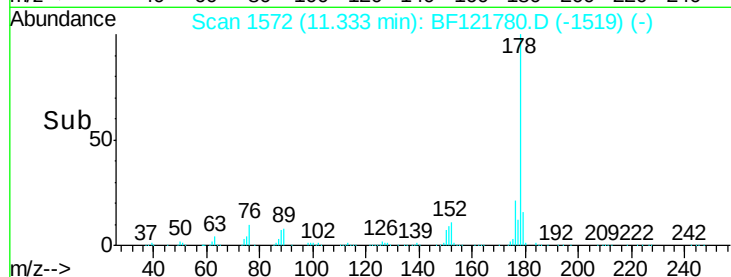
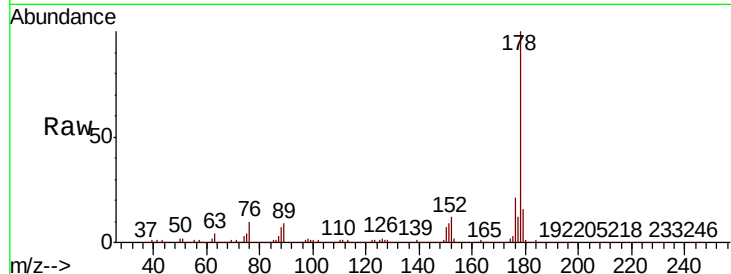
#71
Phenanthrene
Concen: 146.150 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampleId :
B-13(11-13)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.9	23.9
179	16.4	12.2	18.4

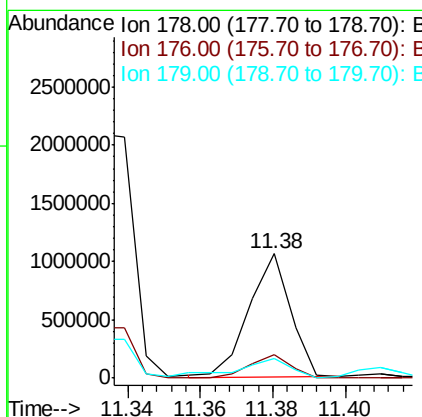
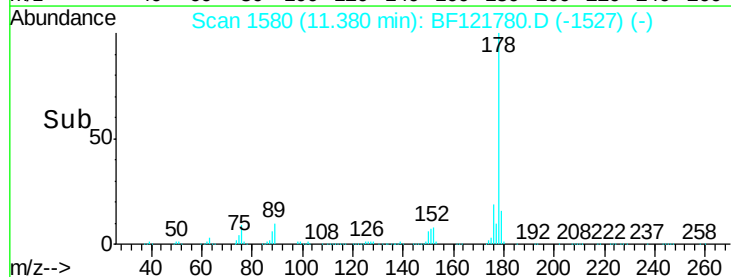
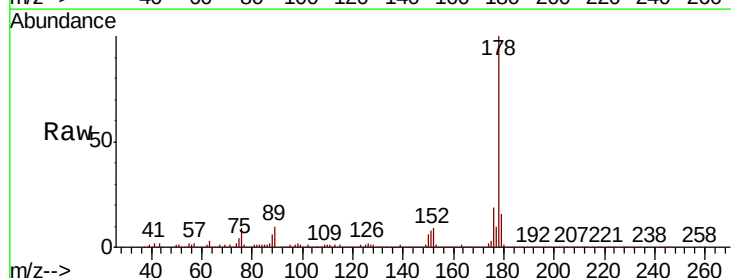
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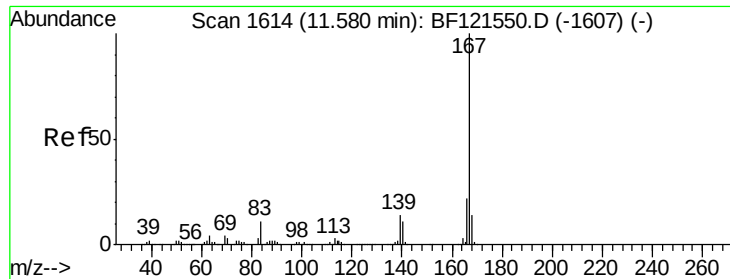
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#72
Anthracene
Concen: 45.874 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.8	12.7	19.1





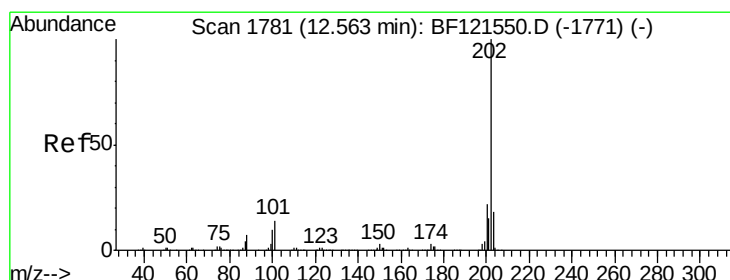
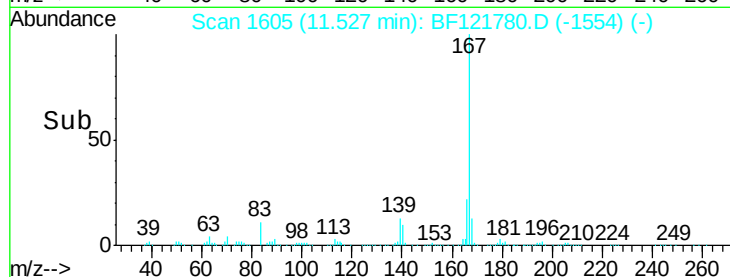
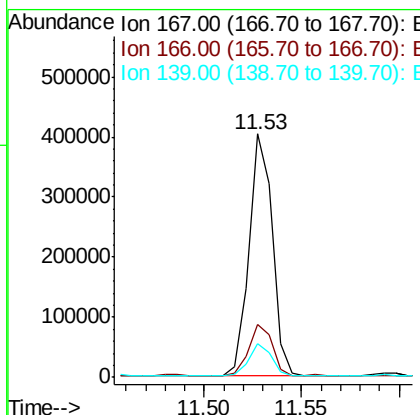
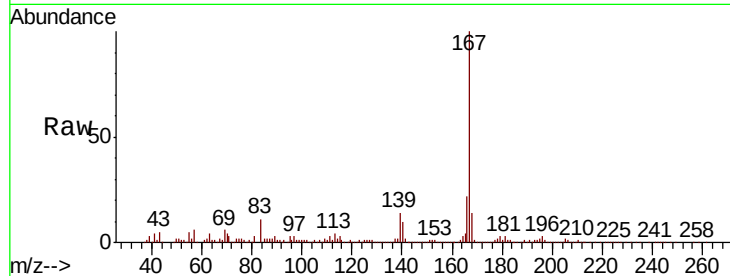
#73
 Carbazole
 Concen: 20.117 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: BF121780.D
 Acq: 1 Oct 2020 21:50

Instrument :
 BNA_F
 ClientSampleId :
 B-13(11-13)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	13.7	10.8	16.2

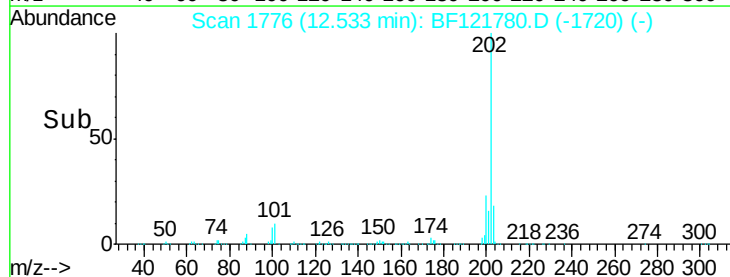
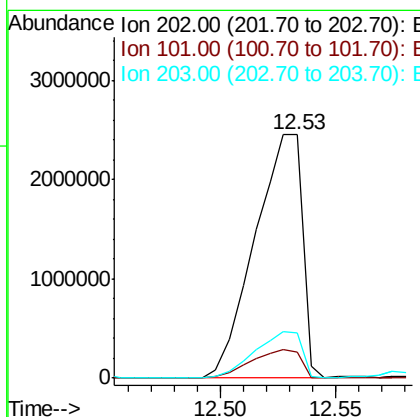
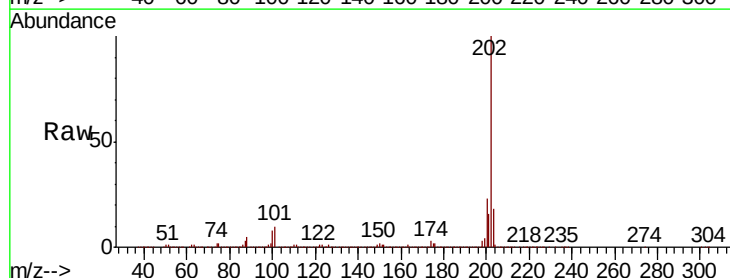
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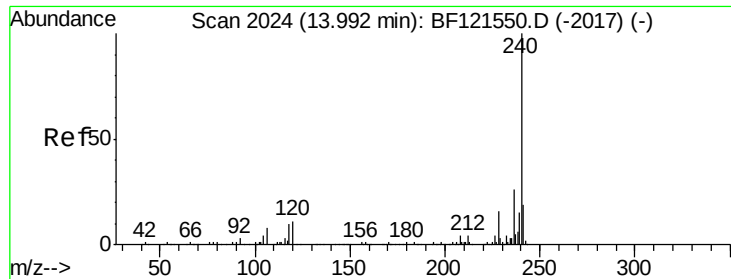
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#75
 Fluoranthene
 Concen: 183.664 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.03 min
 Lab File: BF121780.D
 Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	33.4
203	18.4	0.0	37.9





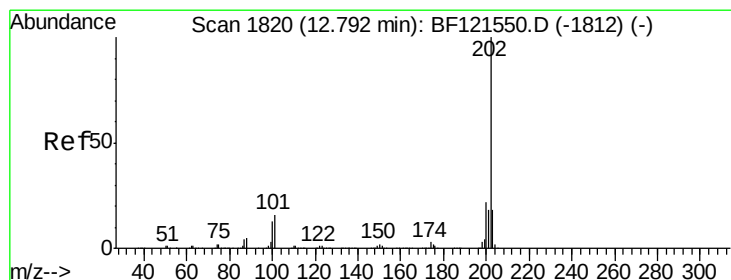
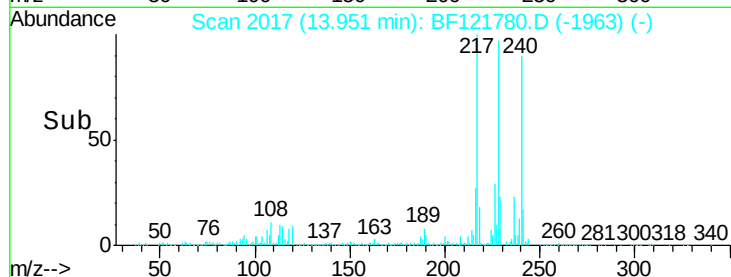
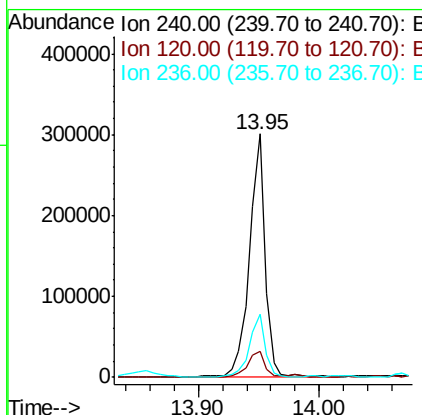
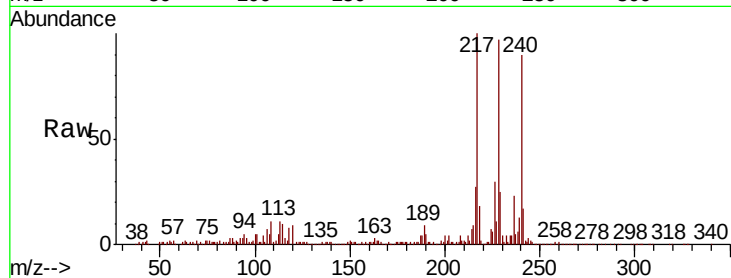
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.02 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampled :
B-13(11-13)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.2	13.8
236	25.7	20.9	31.3

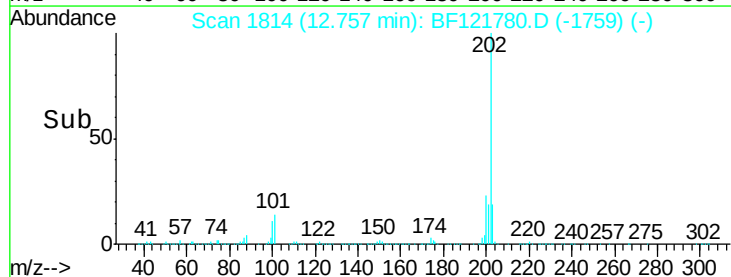
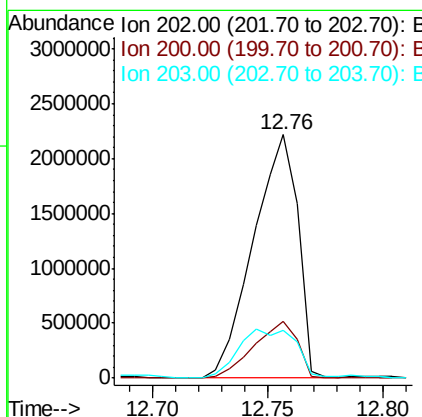
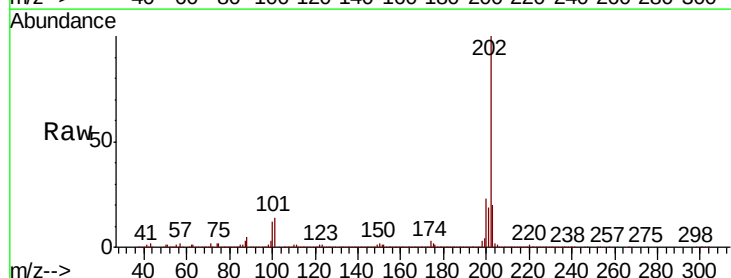
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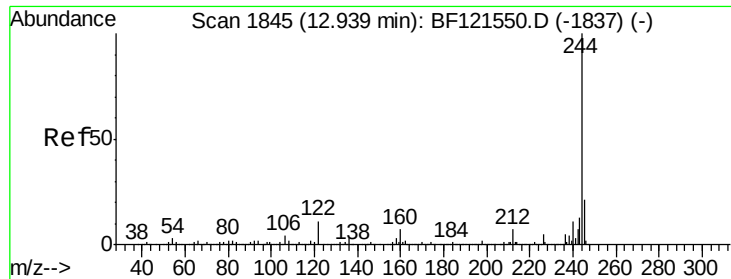
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#78
Pyrene
Concen: 149.119 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.02 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.3	17.4	26.2
203	19.5	14.6	21.8





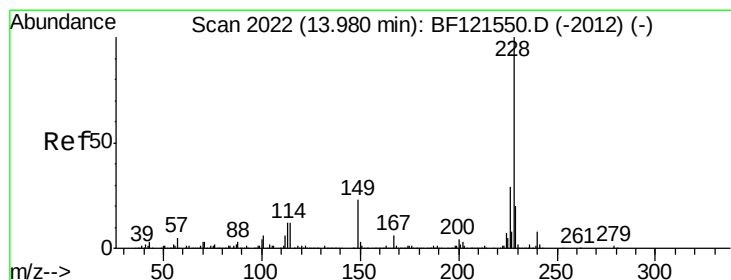
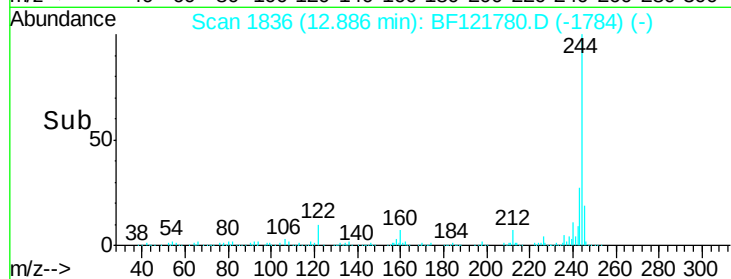
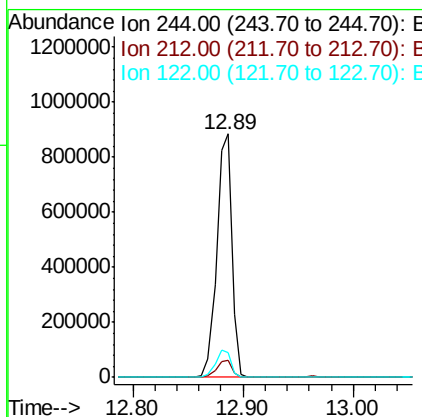
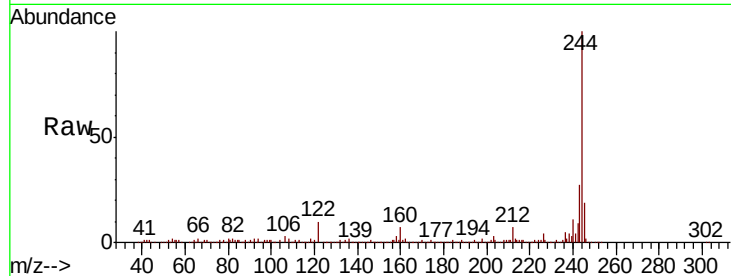
#79
 Terphenyl-d14
 Concen: 62.073 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: BF121780.D
 Acq: 1 Oct 2020 21:50

Instrument :
 BNA_F
 ClientSampled :
 B-13(11-13)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	9.9	8.1	12.1

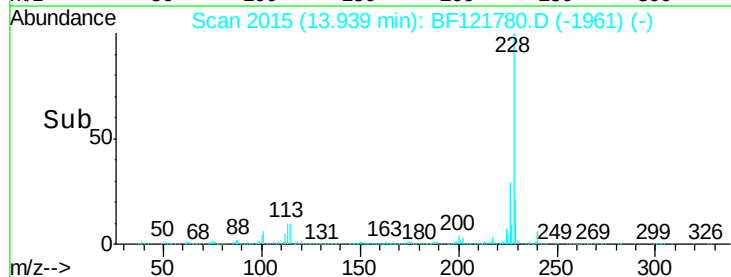
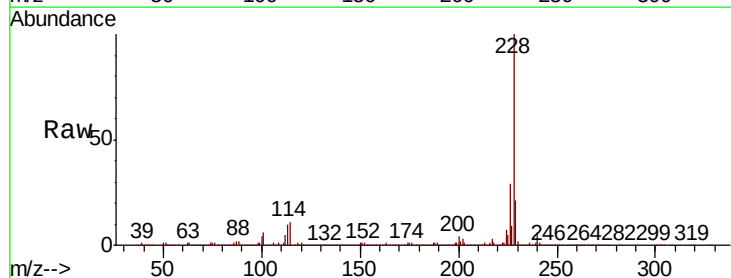
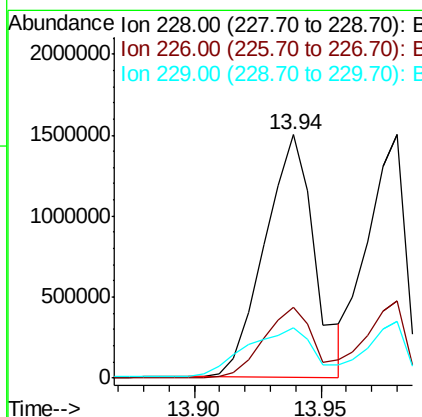
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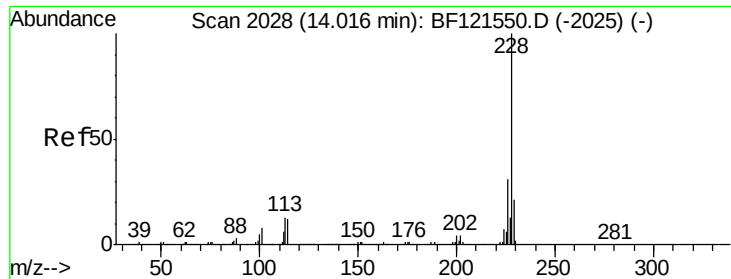
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#81
 Benzo(a)anthracene
 Concen: 119.175 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.02 min
 Lab File: BF121780.D
 Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.3	33.5
229	20.9	16.2	24.4





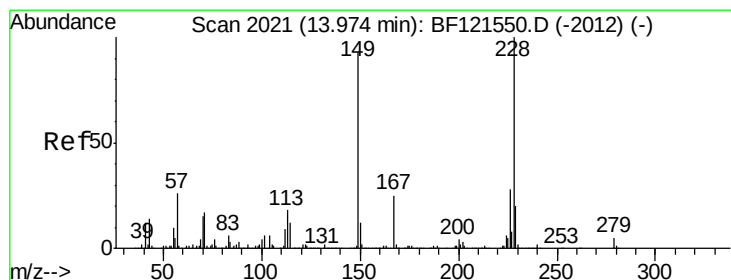
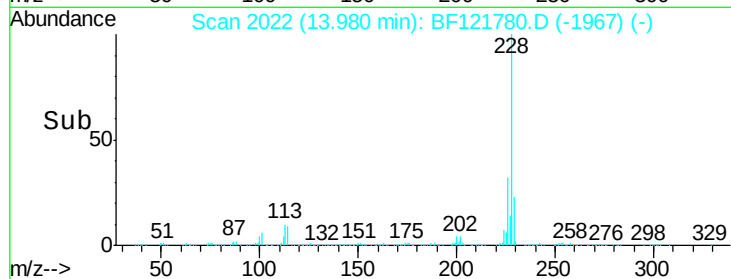
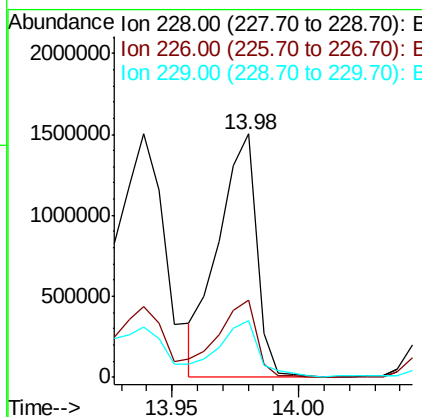
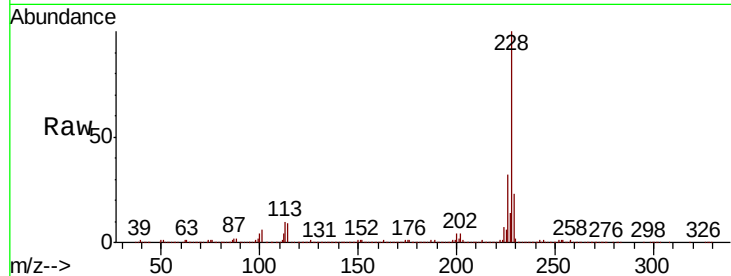
#83
Chrysene
Concen: 89.549 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.02 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampleId :
B-13(11-13)

Tot Ion:228 Resp: 1563881
Ion Ratio Lower Upper
228 100
226 32.0 24.6 37.0
229 23.2 15.9 23.9

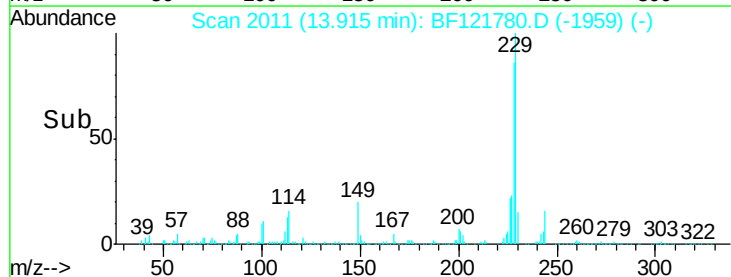
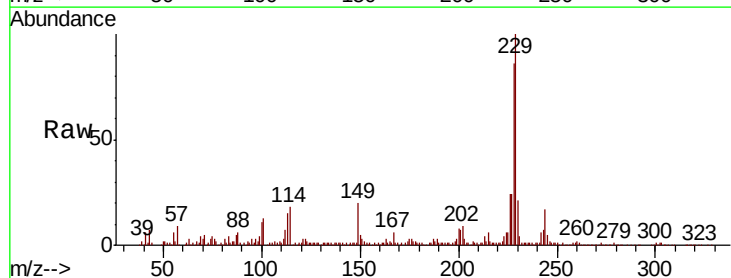
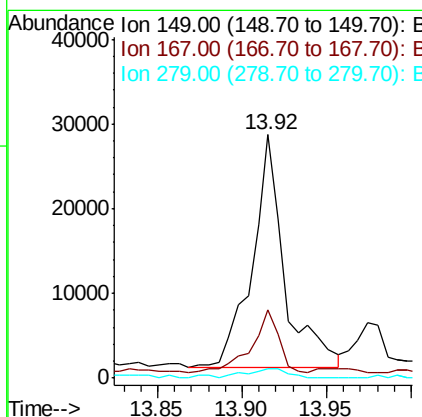
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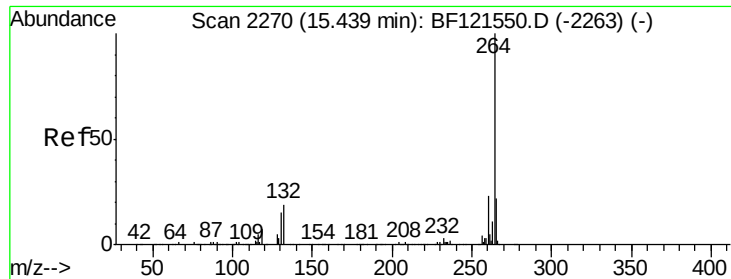
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.409 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion:149 Resp: 36686
Ion Ratio Lower Upper
149 100
167 28.2 20.9 31.3
279 3.9 3.2 4.8





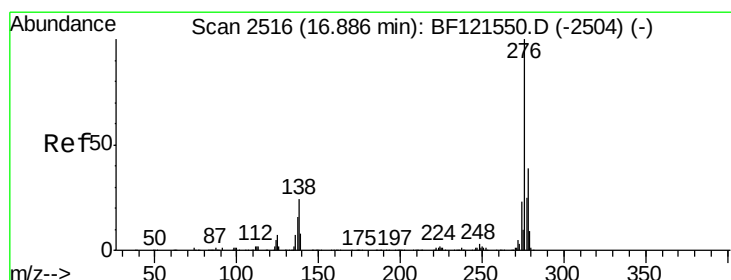
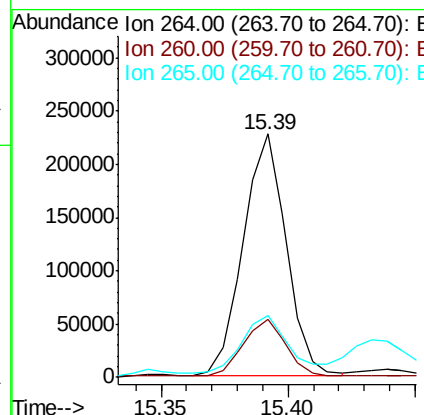
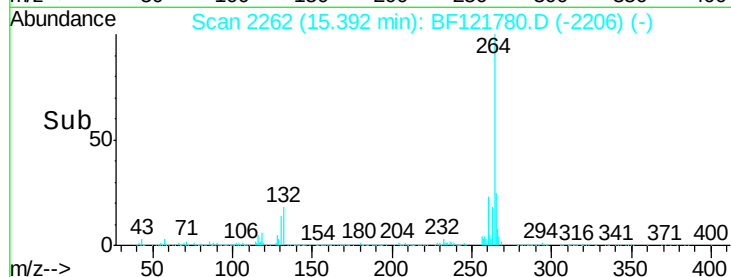
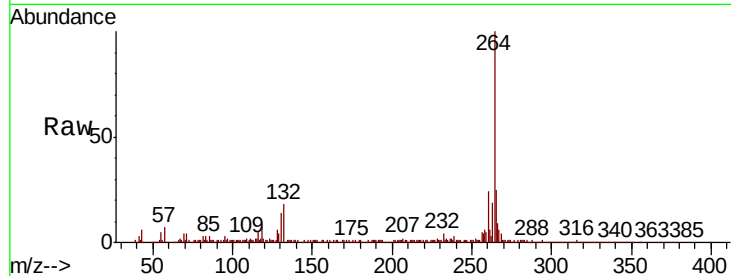
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.03 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampleId :
B-13(11-13)

Tot Ion:	264	Resp:	266061
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	25.3	17.3	25.9

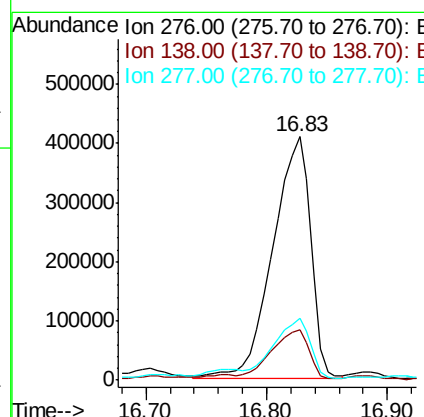
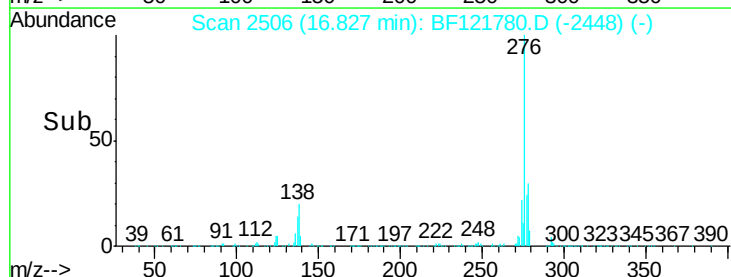
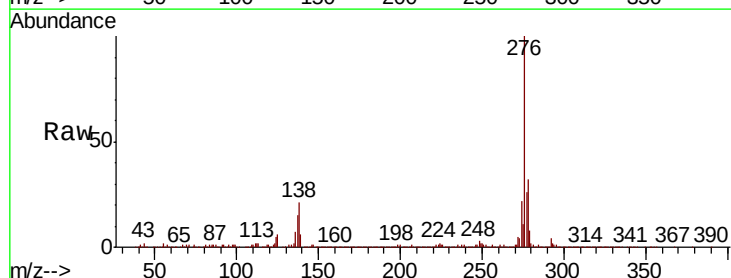
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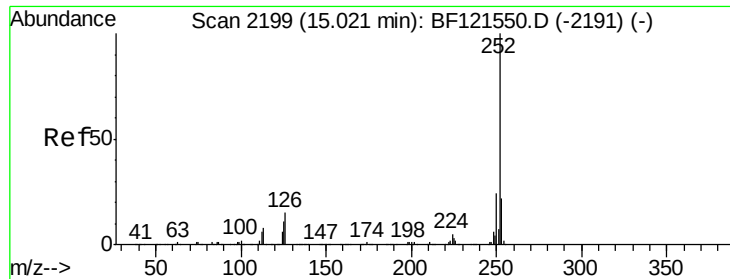
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#87
Indeno(1,2,3-cd)pyrene
Concen: 51.213 ng
RT: 16.83 min Scan# 2506
Delta R.T. 0.04 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion:	276	Resp:	887351
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.9	29.9
277	23.6	20.4	30.6





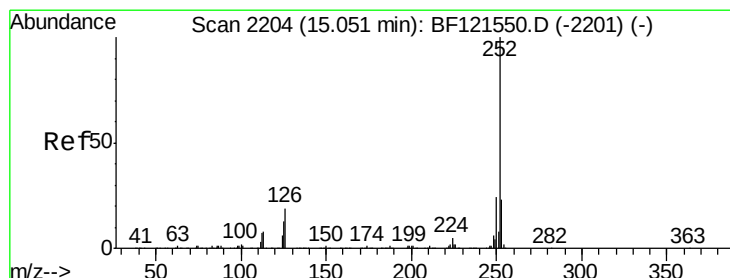
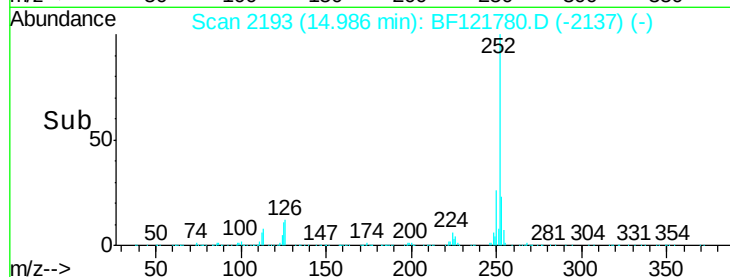
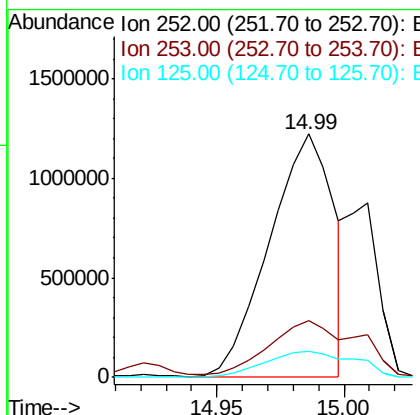
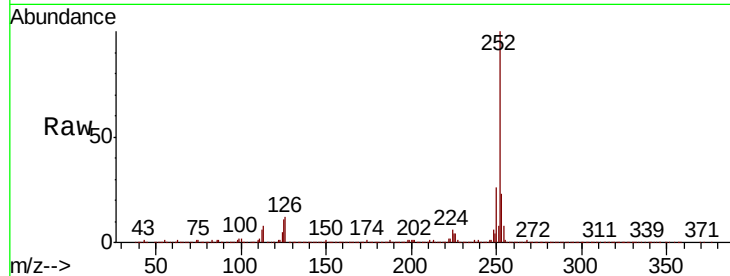
#88
Benzo(b)fluoranthene
Concen: 120.750 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.03 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampleId :
B-13(11-13)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	10.9	8.0	12.0

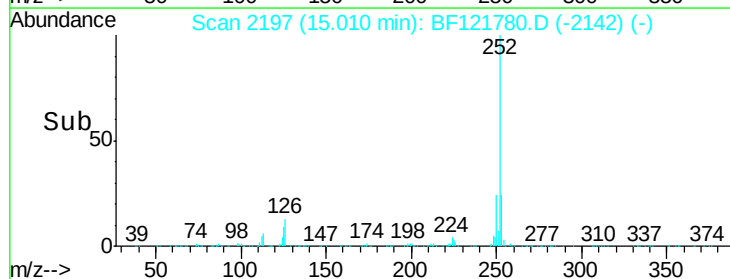
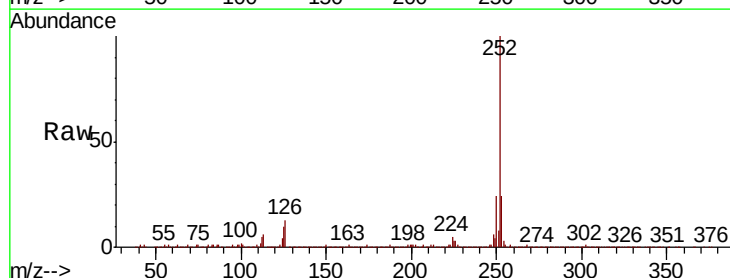
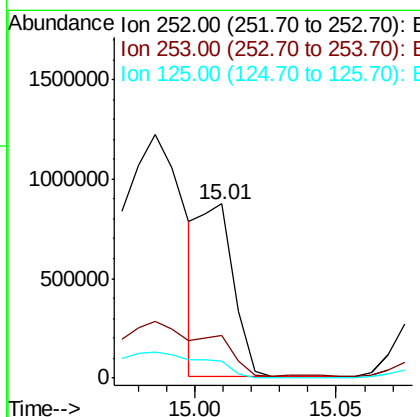
Manual Integrations
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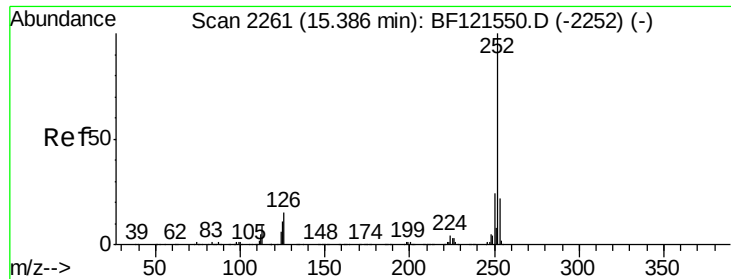
mohammad
10/2/2020 12:13:57 PM



#89
Benzo(k)fluoranthene
Concen: 44.304 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	9.6	7.7	11.5





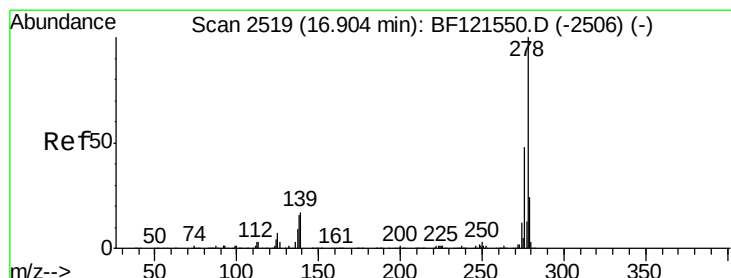
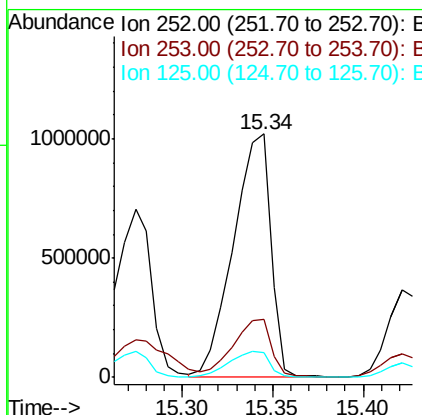
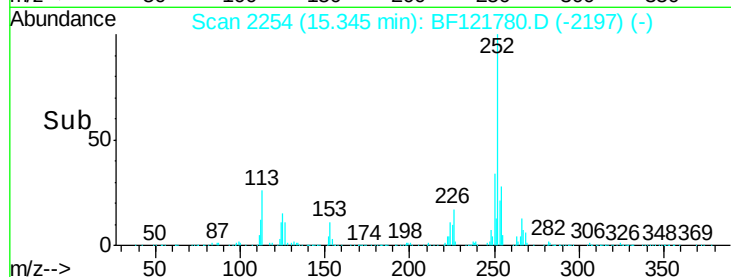
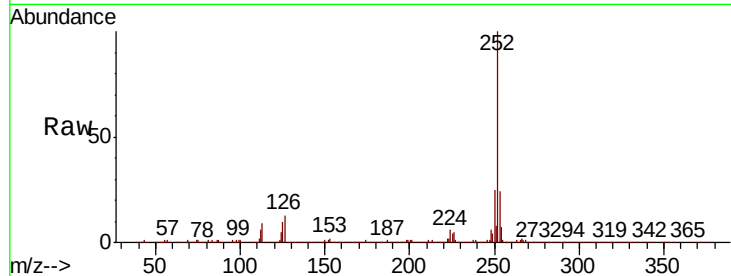
#90
Benzo(a)pyrene
Concen: 96.809 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.04 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Instrument :
BNA_F
ClientSampleId :
B-13(11-13)

Tot Ion:252 Resp: 1463672
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 10.3 8.6 13.0

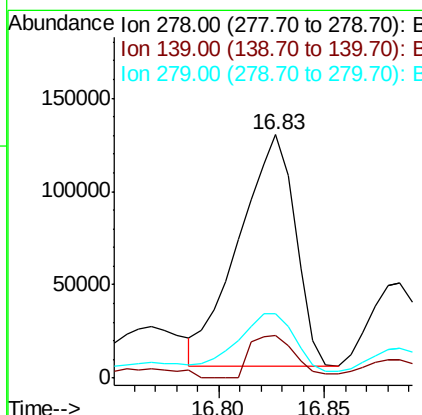
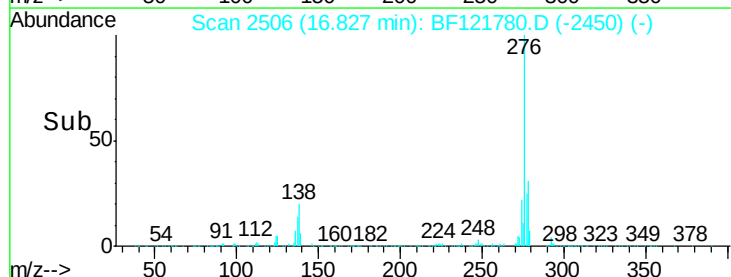
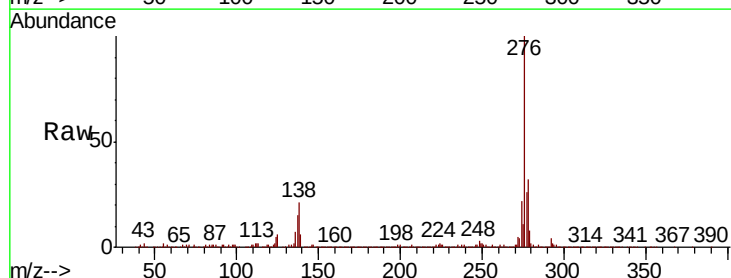
Manual Integrations
APPROVED

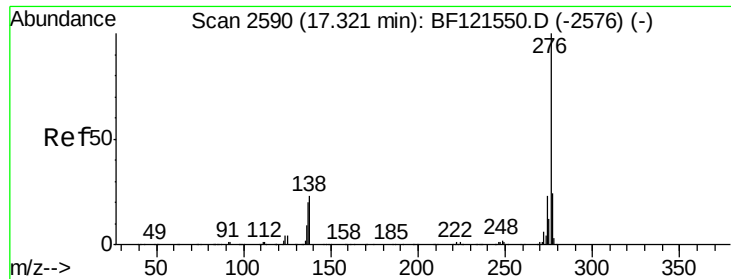
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 16.012 ng
RT: 16.83 min Scan# 2506
Delta R.T. 0.03 min
Lab File: BF121780.D
Acq: 1 Oct 2020 21:50

Tgt Ion:278 Resp: 230947
Ion Ratio Lower Upper
278 100
139 17.5 13.0 19.4
279 26.6 19.0 28.4





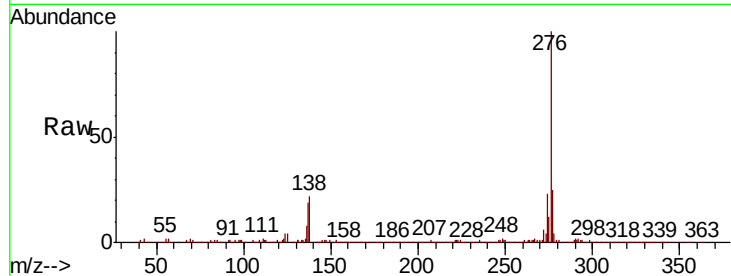
#92
 Benzo(a,h,i)perylene
 Concen: 53.361 ng
 RT: 17.26 min Scan# 2579
 Delta R.T. 0.05 min
 Lab File: BF121780.D
 Acq: 1 Oct 2020 21:50

Instrument :
 BNA_F
 ClientSampleId :
 B-13(11-13)

Tot Ion:	276	Resp:	756546
Ion Ratio		Lower	Upper
276	100		
277	24.9	19.4	29.2
138	22.1	17.8	26.6

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

