

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121773.D
 Acq On : 1 Oct 2020 18:14
 Operator : JU/CG
 Sample : L4179-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 B-10(4-5)

Manual Integrations
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 10/2/2020 12:13:39 PM

Quant Time: Oct 01 18:42:40 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	150847	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	552391	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	254332	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	392304	20.00	ng	0.00
76) Chrysene-d12	13.93	240	304931	20.00	ng	0.00
86) Perylene-d12	15.38	264	319620	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	363847	35.85	ng	0.00
7) Phenol-d6	6.40	99	456922	34.31	ng	-0.01
23) Nitrobenzene-d5	7.33	82	297979	28.96	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	94301	29.83	ng	-0.01
45) 2-Fluorobiphenyl	9.13	172	528611	31.48	ng	0.00
79) Terphenyl-d14	12.87	244	377936	25.11	ng	0.00
Target Compounds						
31) Naphthalene	8.07	128	64131	2.199	ng	99
49) Acenaphthylene	9.67	152	75748	3.073	ng	98
50) Dimethylphthalate	9.52	163	95669	5.190	ng	100
58) Fluorene	10.35	166	46536	2.775	ng	100
71) Phenanthrene	11.32	178	480518	22.481	ng	100
72) Anthracene	11.36	178	134356	6.091	ng	98
73) Carbazole	11.52	167	44890	2.255	ng	100
75) Fluoranthene	12.50	202	632901	27.738	ng	99
78) Pyrene	12.73	202	568133	25.501	ng	99
81) Benzo(a)anthracene	13.92	228	341638	17.709	ng	95
83) Chrysene	13.96	228	297118	15.209	ng	96
87) Indeno(1,2,3-cd)pyrene	16.80	276	172118	8.269	ng	95
88) Benzo(b)fluoranthene	14.96	252	411486m	19.258	ng	
89) Benzo(k)fluoranthene	14.99	252	129073m	6.597	ng	
90) Benzo(a)pyrene	15.32	252	293464	16.158	ng	# 92
91) Dibenzo(a,h)anthracene	16.80	278	46059	2.658	ng	# 79
92) Benzo(a,h,i)perylene	17.23	276	157508	9.248	ng	98

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

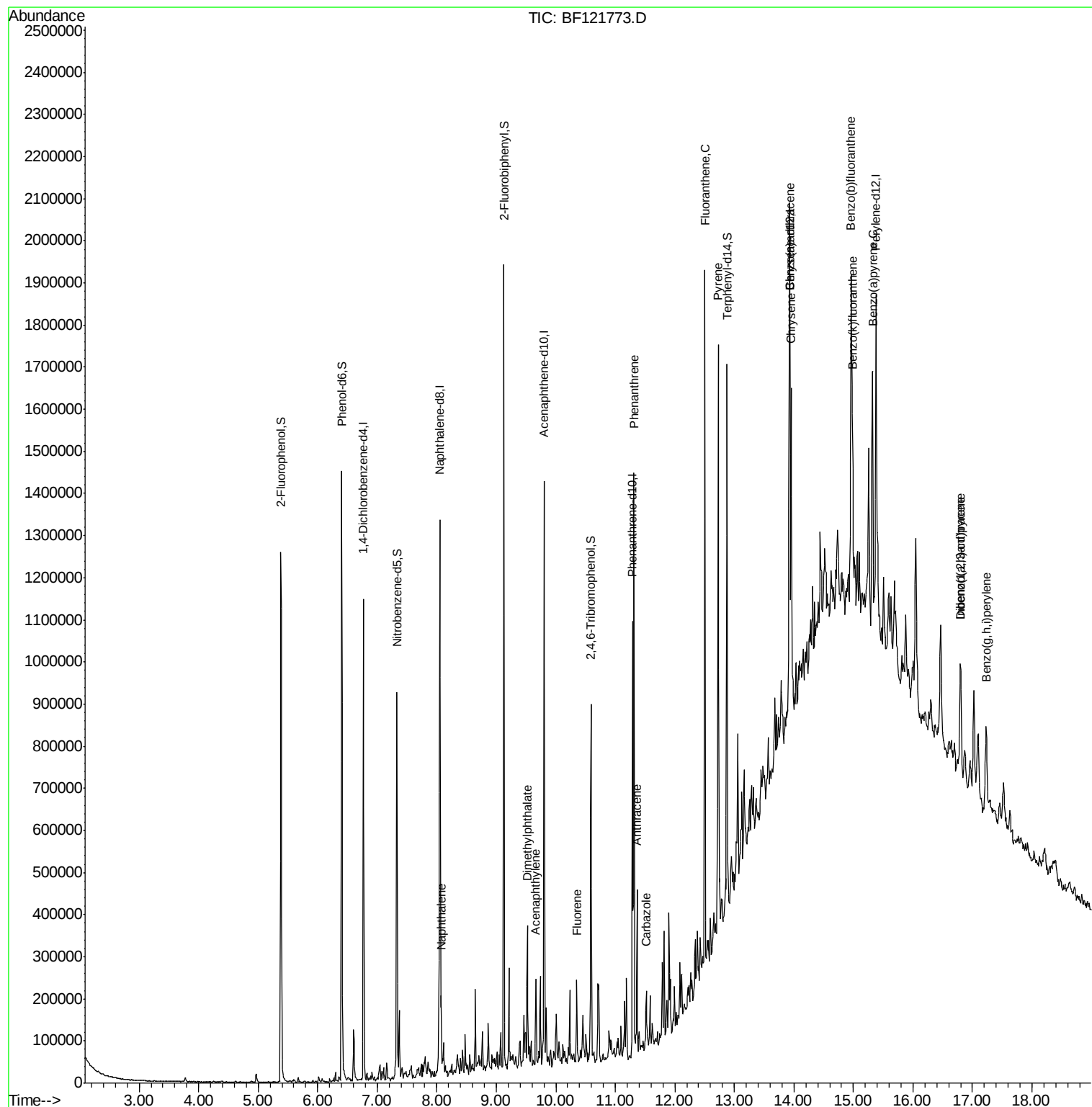
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
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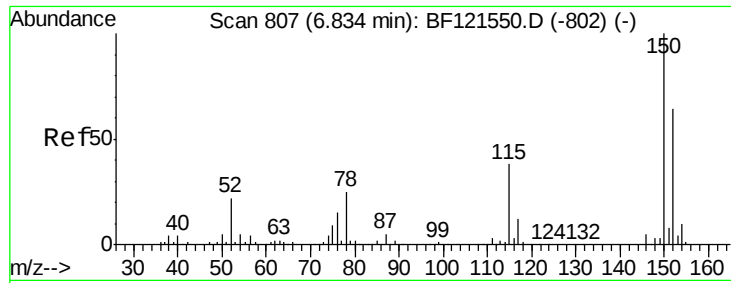
Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

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Quant Time: Oct 01 18:42:40 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

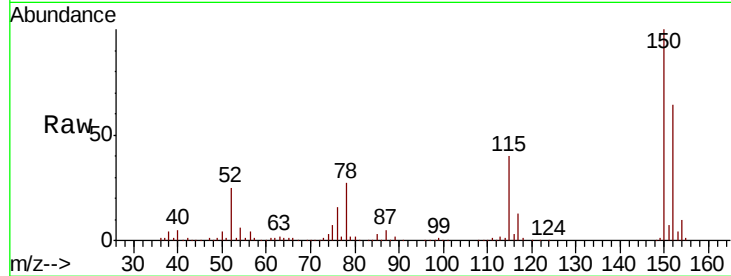
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.3	187.9
115	63.2	51.9	77.9

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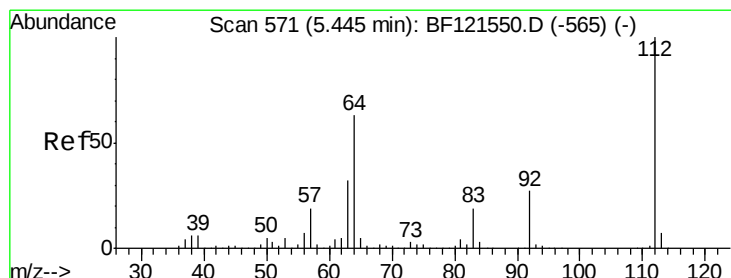
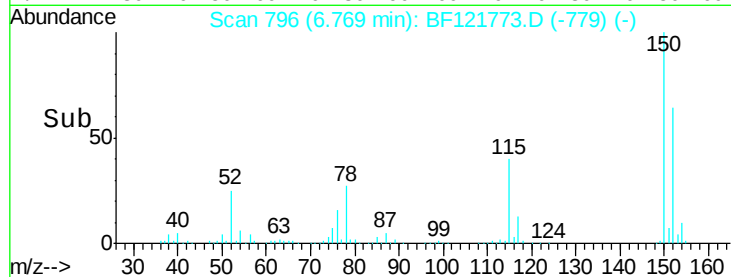
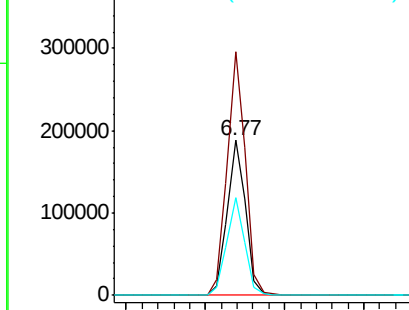


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

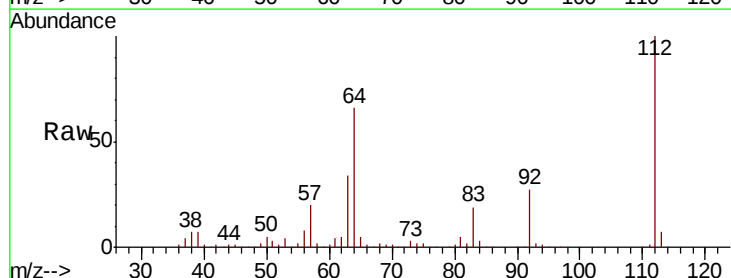
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 35.846 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	50.4	75.6
63	33.5	25.8	38.6

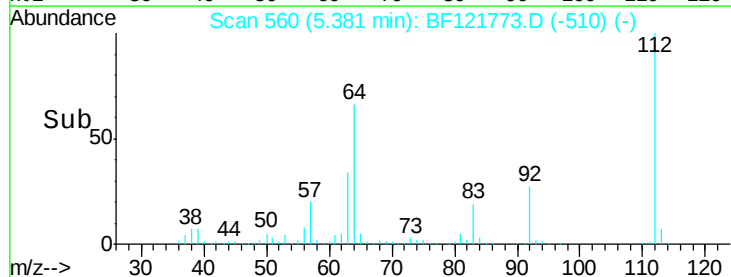
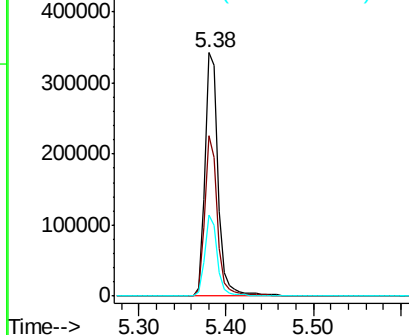


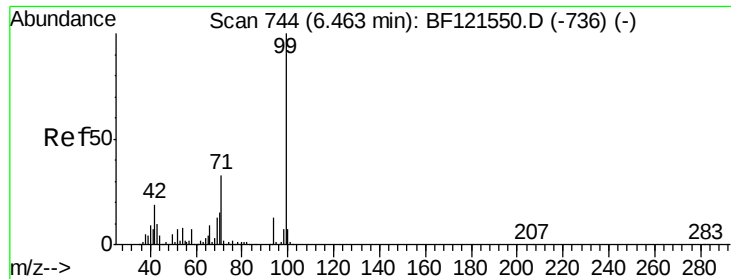
Abundance

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: 34.312 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Instrument :

BNA_F

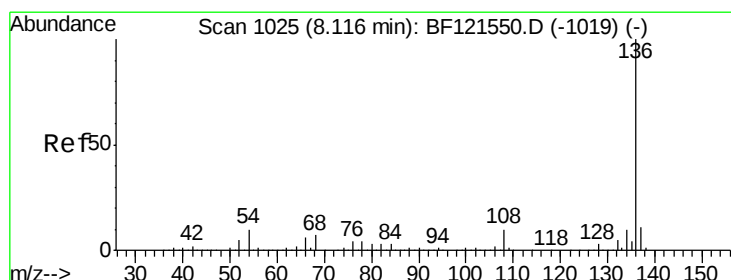
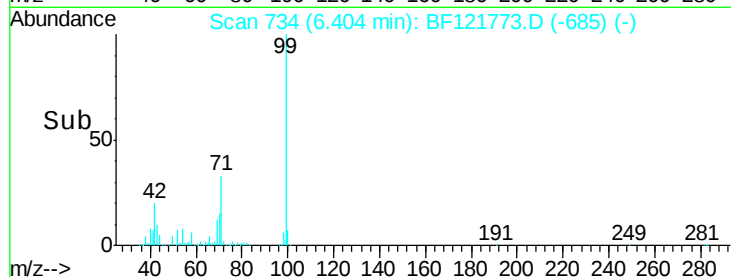
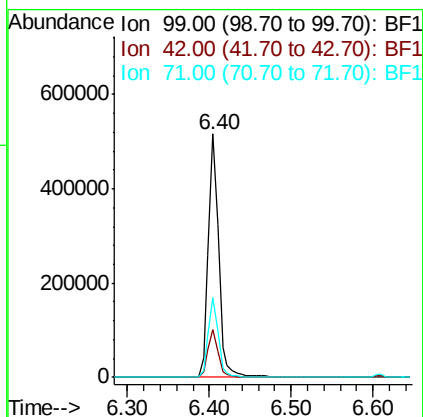
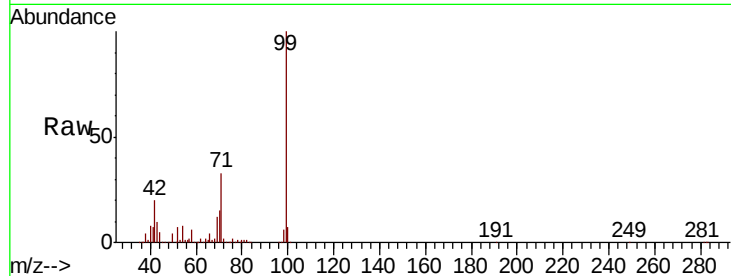
ClientSampleId :

B-10(4-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		456922		
42	19.8	15.9	23.9		
71	32.7	27.1	40.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

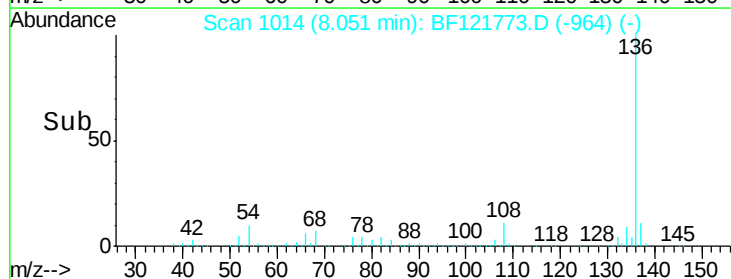
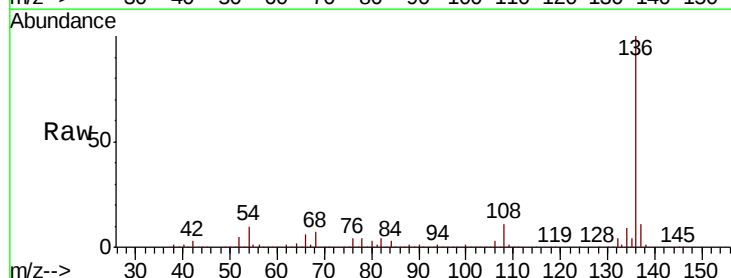
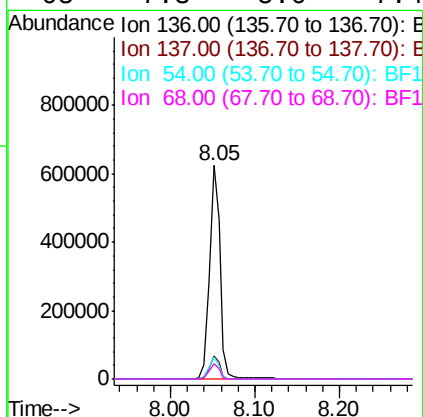
RT: 8.05 min Scan# 1014

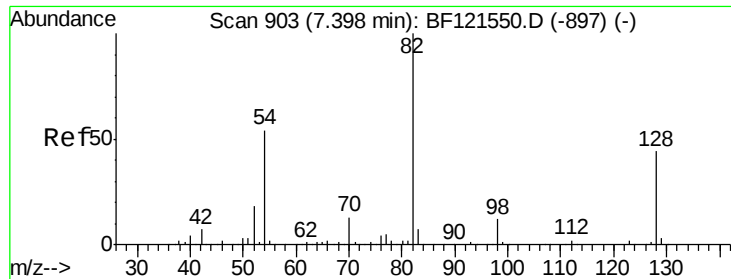
Delta R.T. -0.01 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		552391		
137	11.0	8.6	13.0		
54	10.0	7.1	10.7		
68	7.3	5.0	7.4		





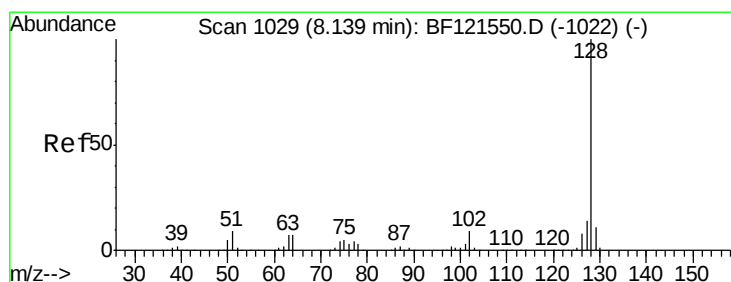
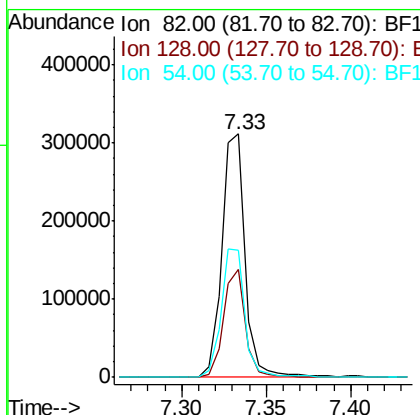
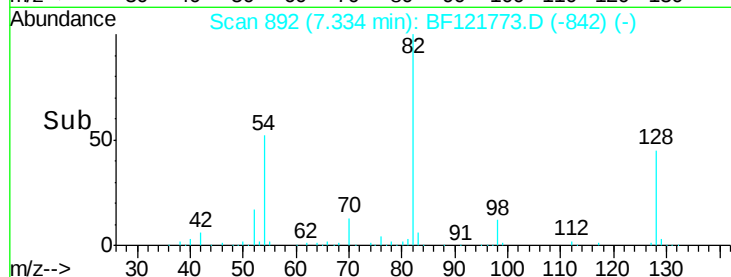
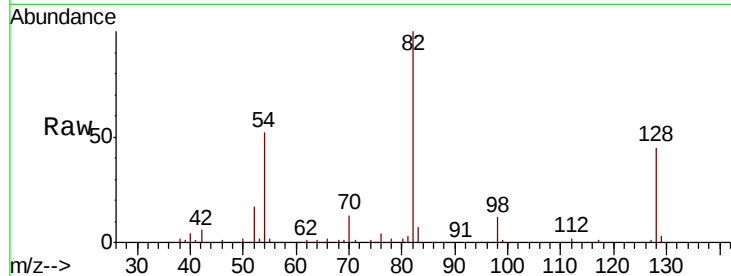
#23
Nitrobenzene-d5
Concen: 28.963 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	297979		
128	44.5	35.0	52.4	
54	52.1	43.9	65.9	

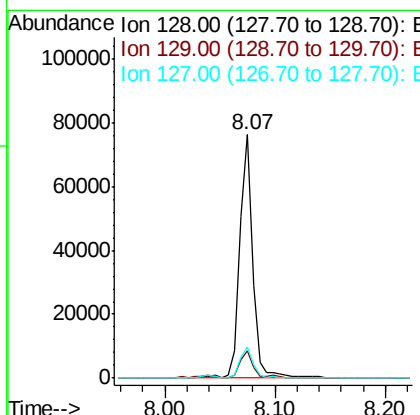
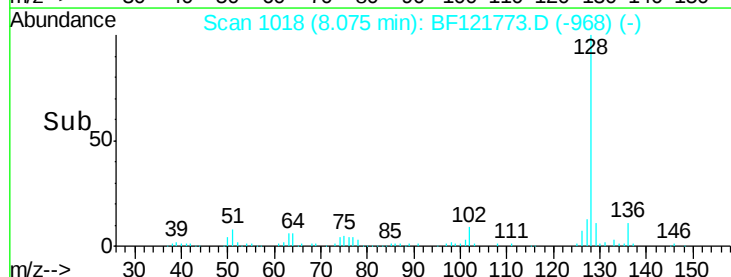
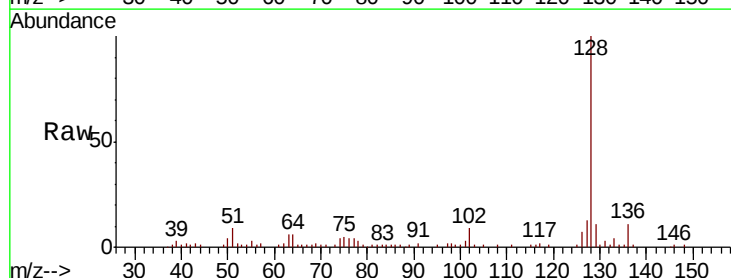
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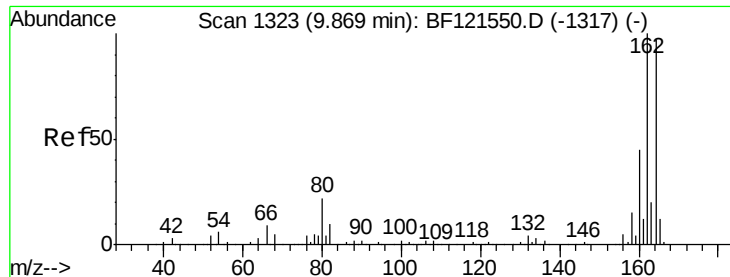
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#31
Naphthalene
Concen: 2.199 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	64131		
129	11.3	8.7	13.1	
127	12.8	10.8	16.2	





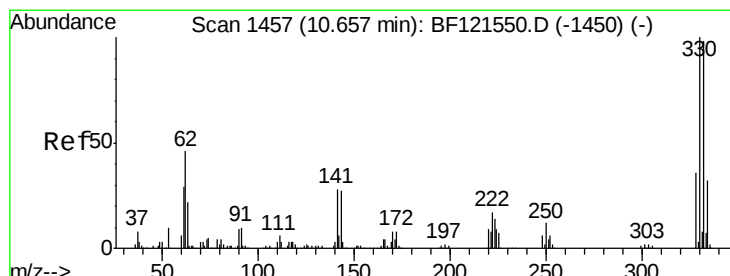
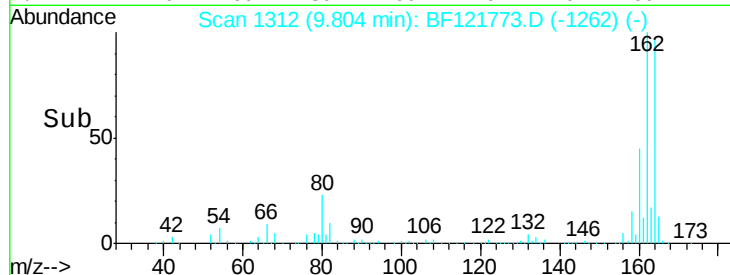
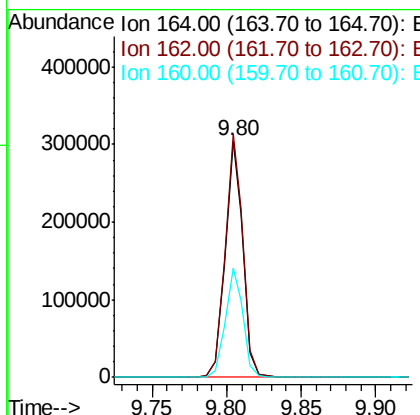
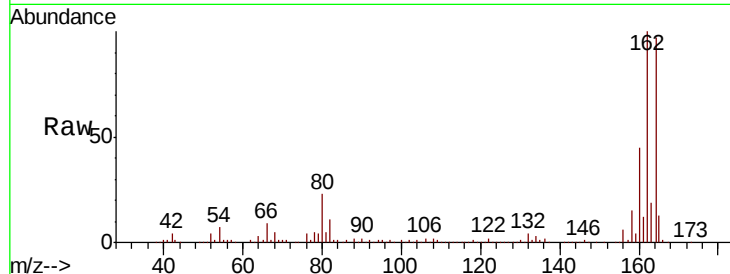
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	83.2	124.8	
160	46.2	37.5	56.3	

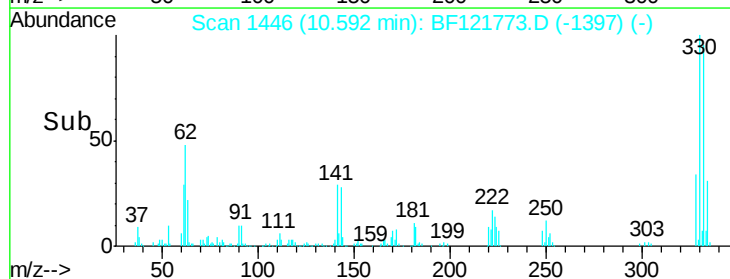
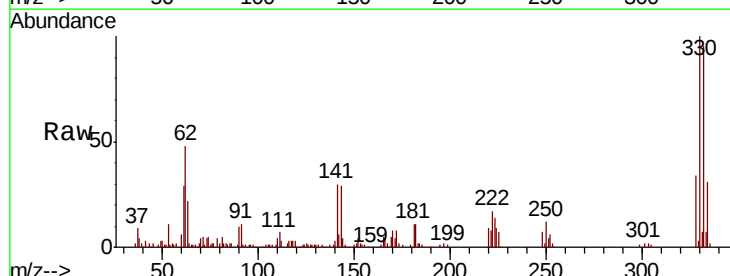
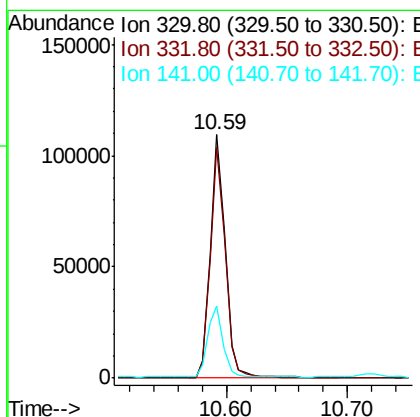
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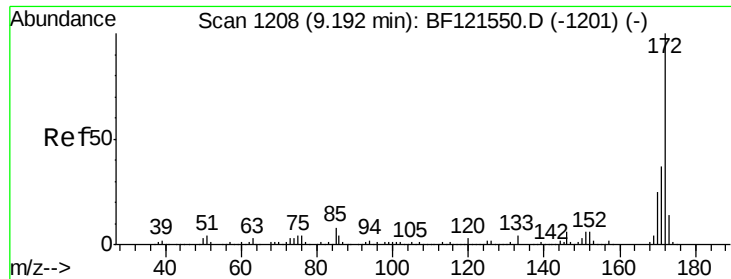
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#42
2,4,6-Tribromophenol
Concen: 29.833 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	77.3	115.9	
141	30.2	22.3	33.5	





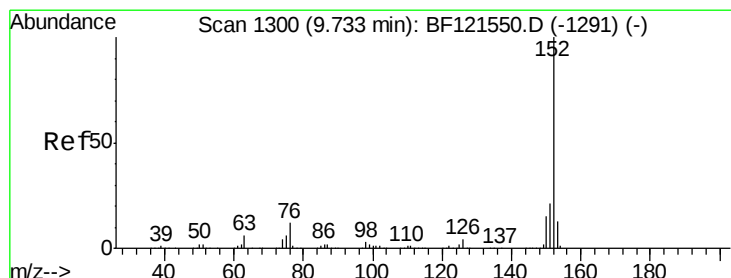
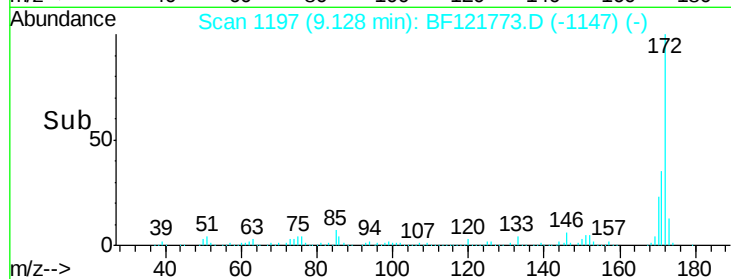
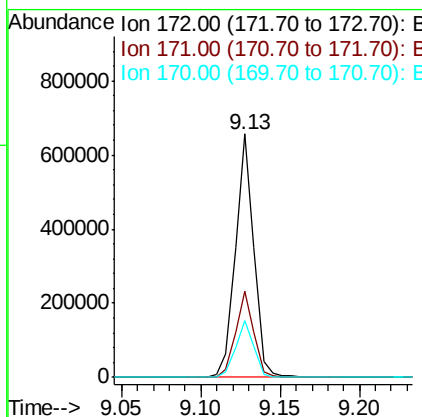
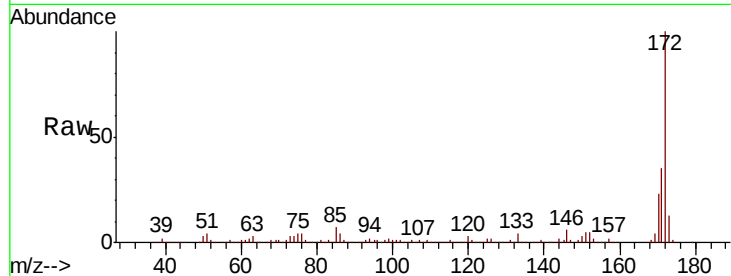
#45
2-Fluorobiphenyl
Concen: 31.478 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.1	43.7
170	23.3	19.8	29.6

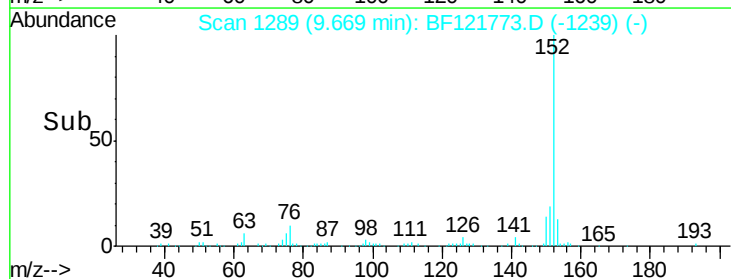
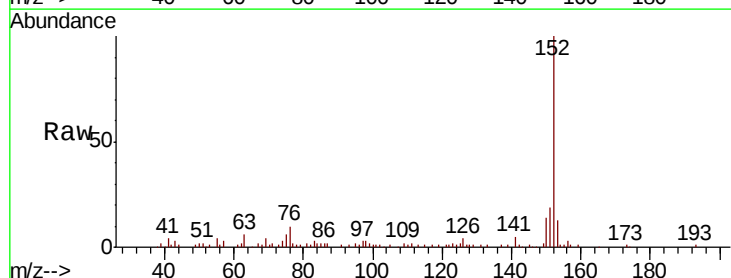
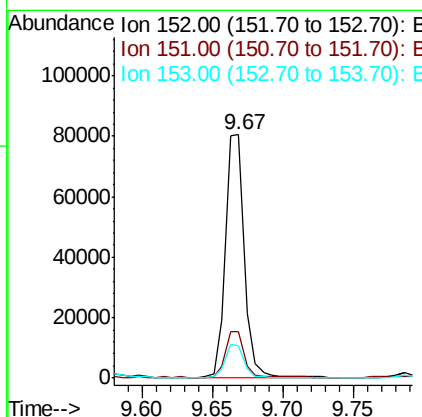
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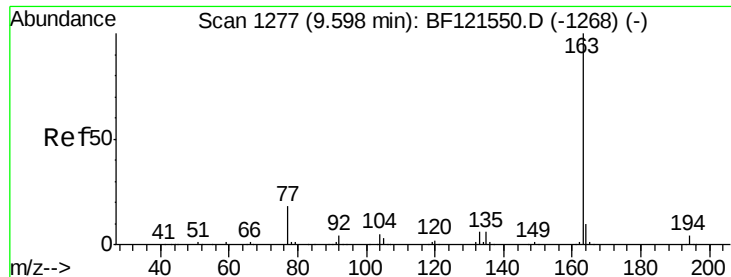
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#49
Acenaphthylene
Concen: 3.073 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.4	24.6
153	13.3	10.6	15.8





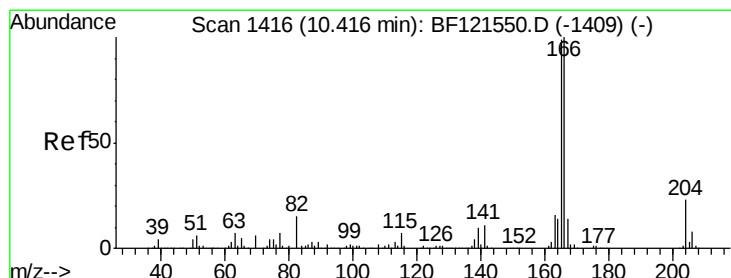
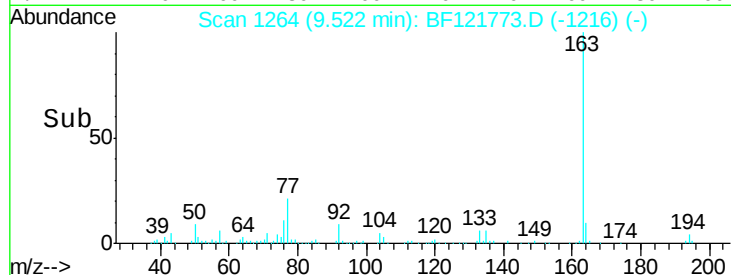
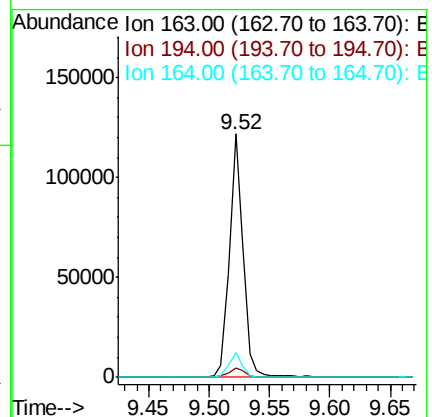
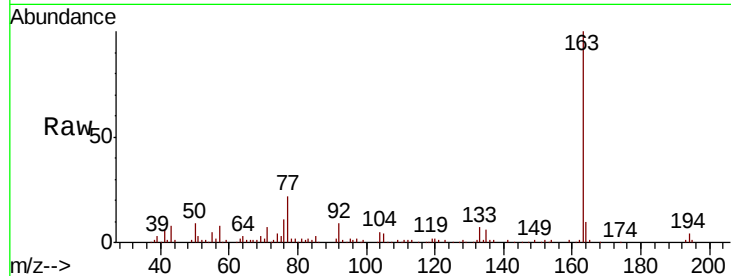
#50
Dimethylphthalate
Concen: 5.190 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.2	12.4

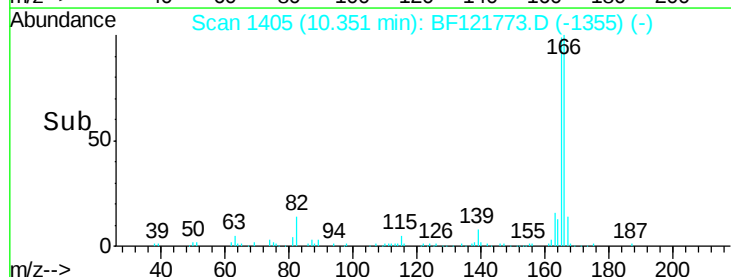
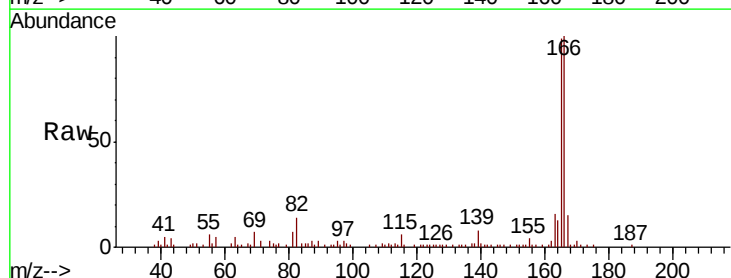
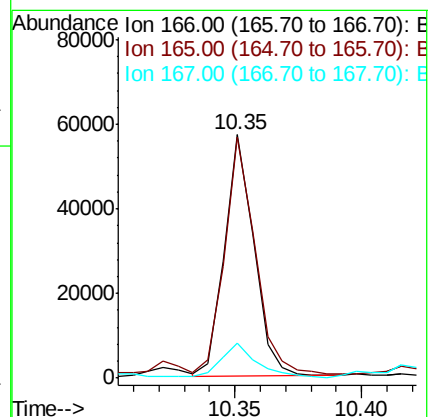
Manual Integrations
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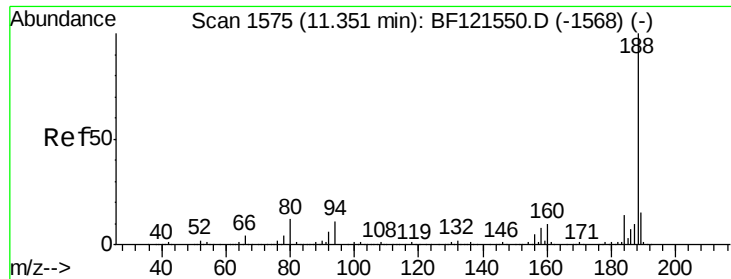
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#58
Fluorene
Concen: 2.775 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.1	118.7
167	14.6	11.0	16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Instrument :

BNA_F

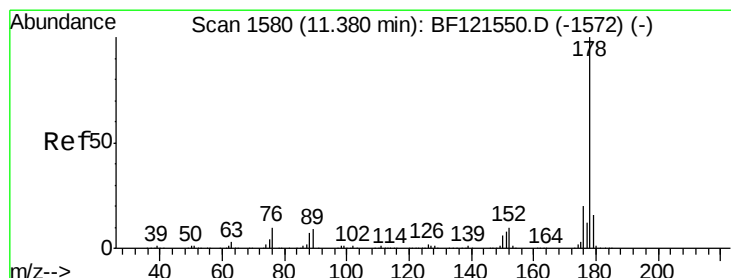
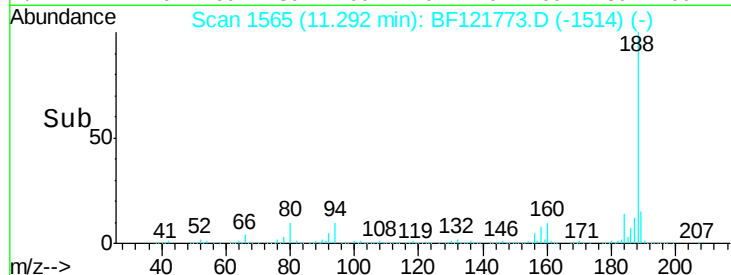
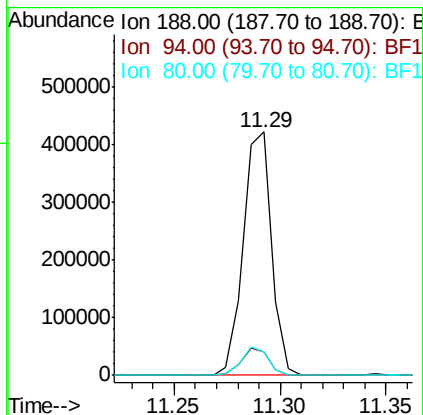
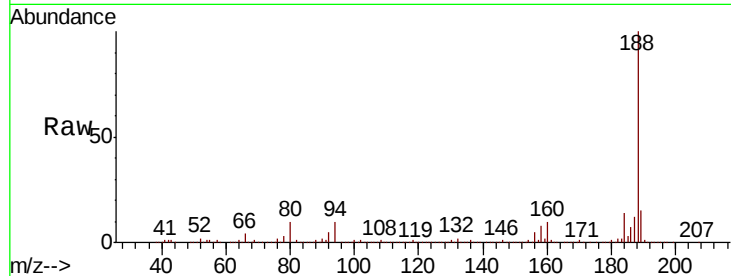
ClientSampled :

B-10(4-5)

Tot Ion:	188	Resp:	392304
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.3	12.5
80	9.9	9.1	13.7

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#71

Phenanthrene

Concen: 22.481 ng

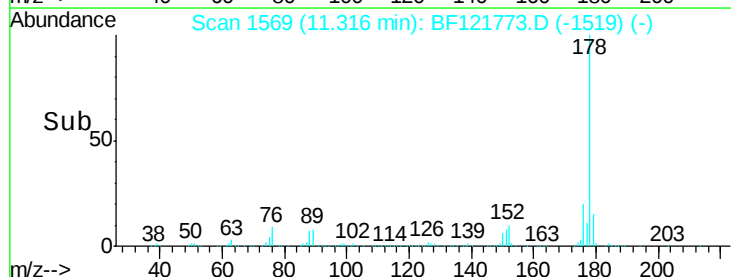
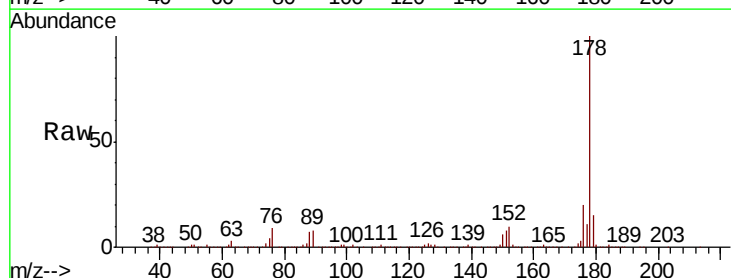
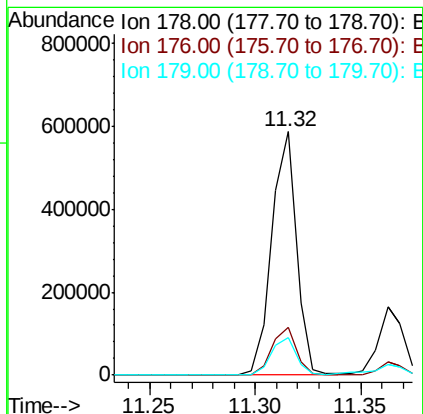
RT: 11.32 min Scan# 1569

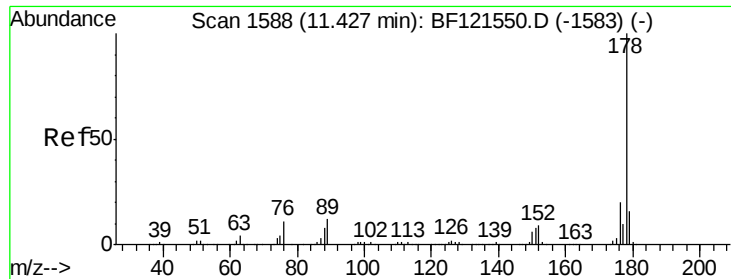
Delta R.T. -0.01 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Tgt Ion:	178	Resp:	480518
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.9	23.9
179	15.4	12.2	18.4





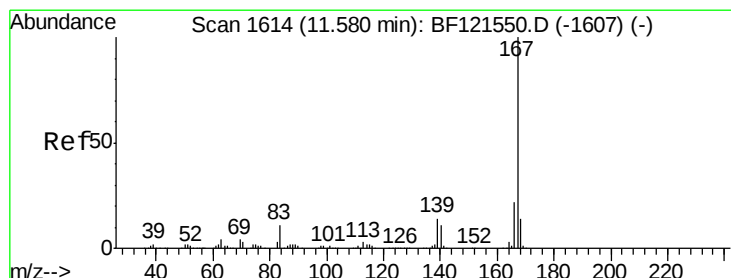
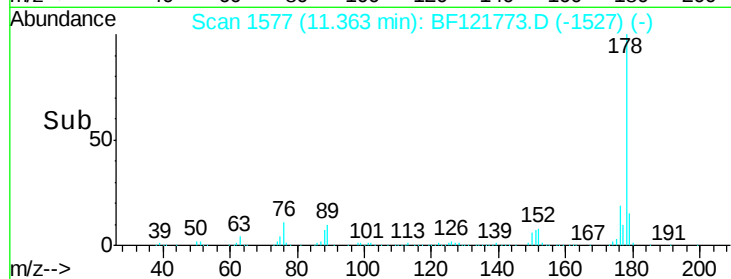
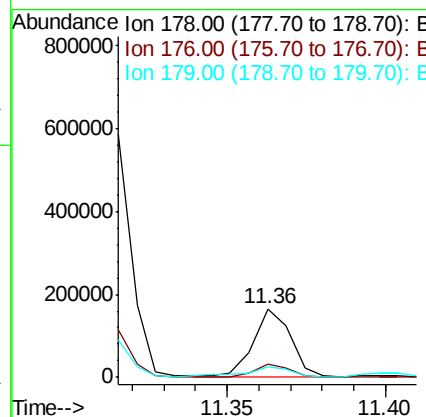
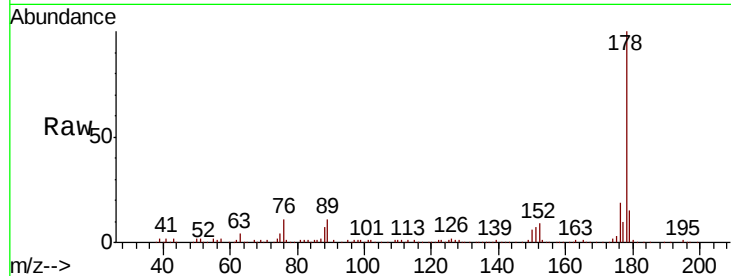
#72
 Anthracene
 Concen: 6.091 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Instrument :
 BNA_F
 ClientSampleId :
 B-10(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	15.4	12.7	19.1

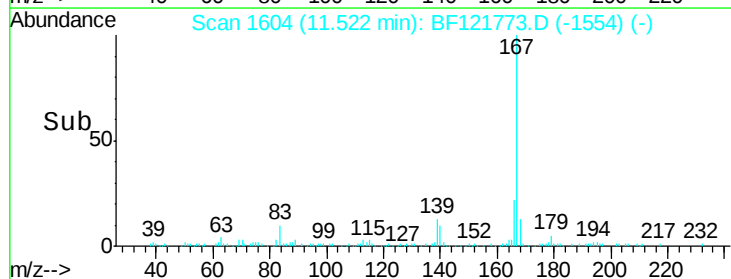
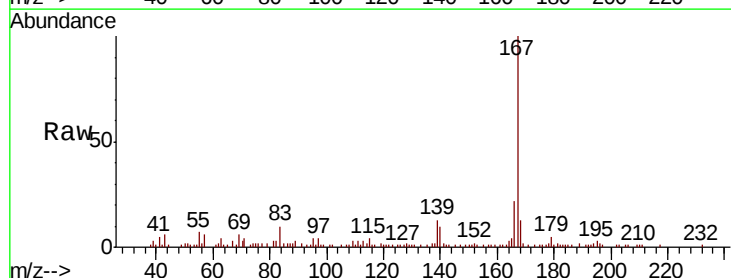
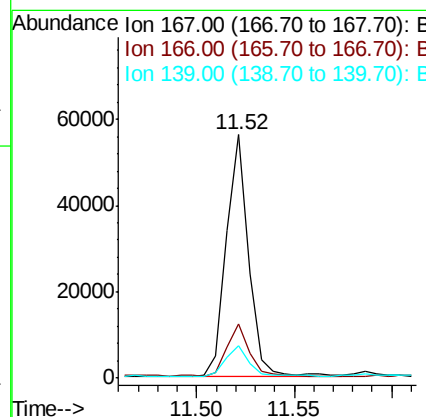
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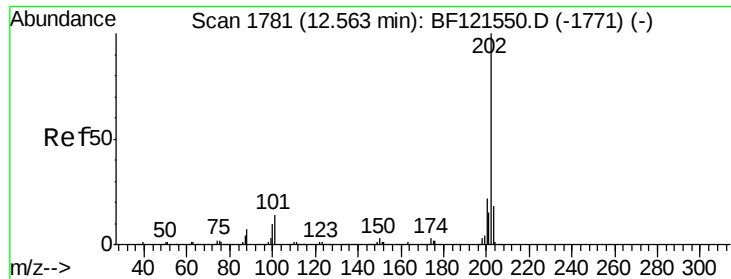
mohammad
 10/2/2020 12:13:39 PM



#73
 Carbazole
 Concen: 2.255 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.6
139	13.3	10.8	16.2





#75

Fluoranthene

Concen: 27.738 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Instrument :

BNA_F

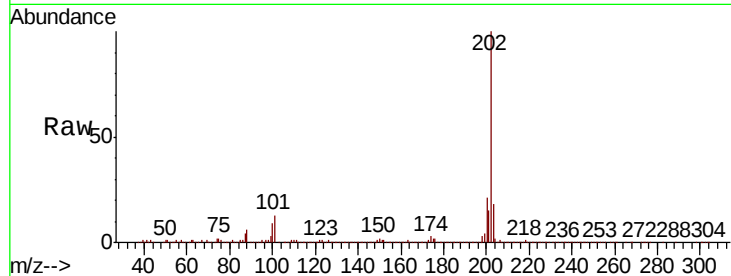
ClientSampled :

B-10(4-5)

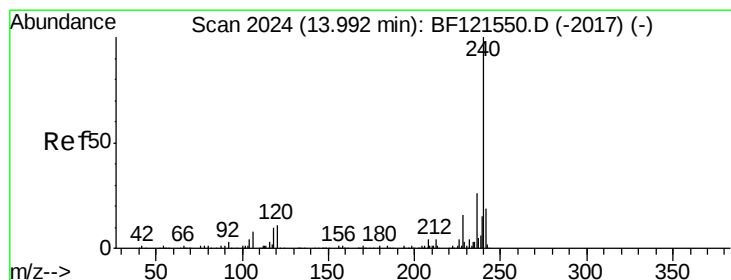
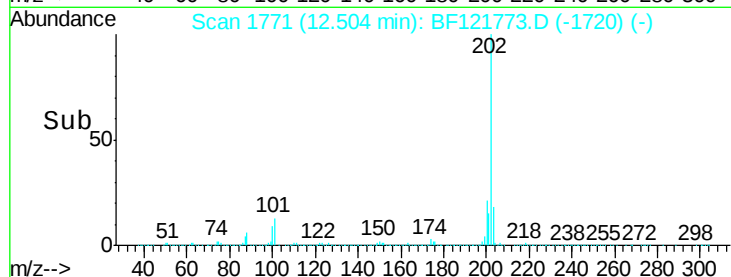
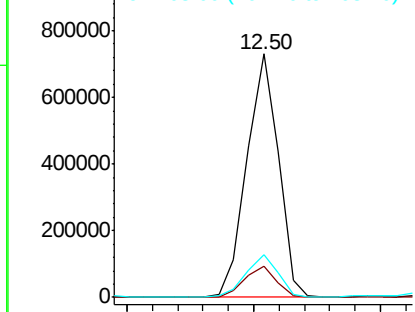
Tot Ion	Ratio	Resp	Lower	Upper
202	100	632901		
101	12.6	0.0	33.4	
203	17.8	0.0	37.9	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

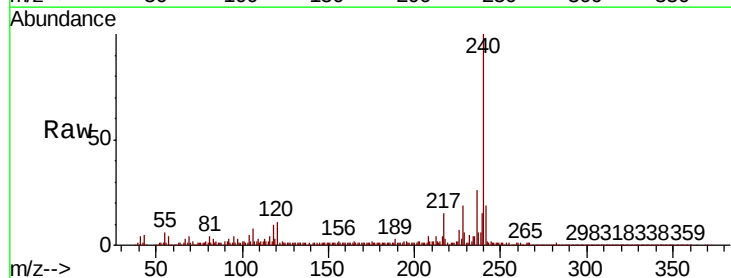
RT: 13.93 min Scan# 2014

Delta R.T. 0.00 min

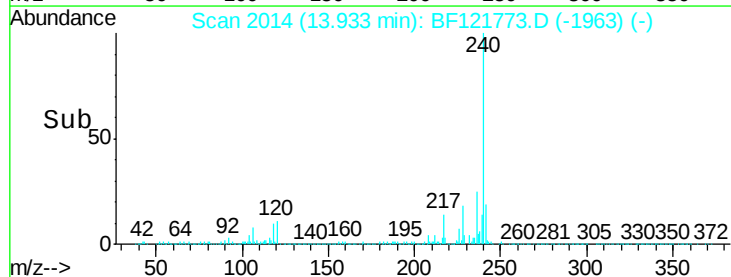
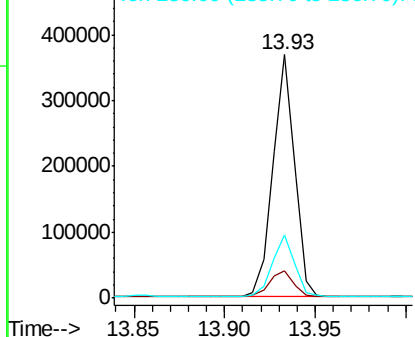
Lab File: BF121773.D

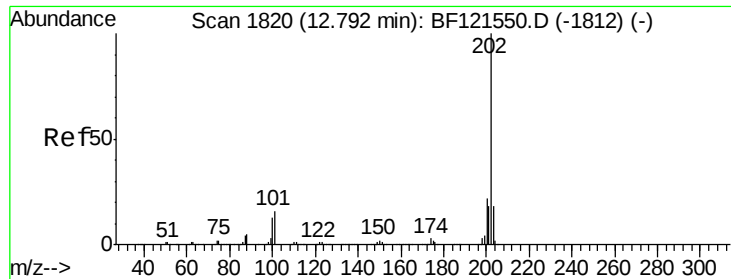
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	304931		
120	11.4	9.2	13.8	
236	26.0	20.9	31.3	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





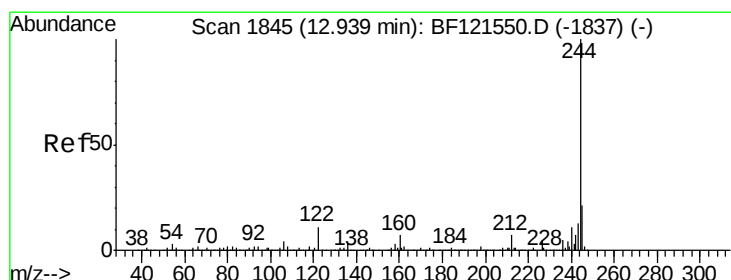
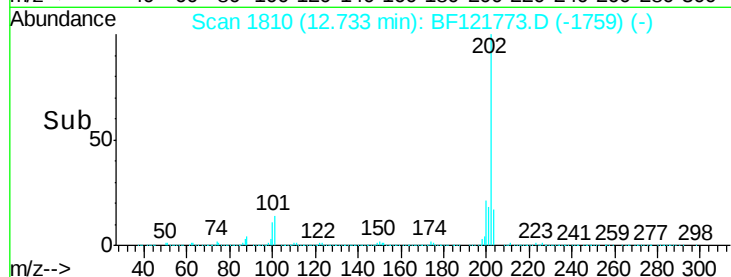
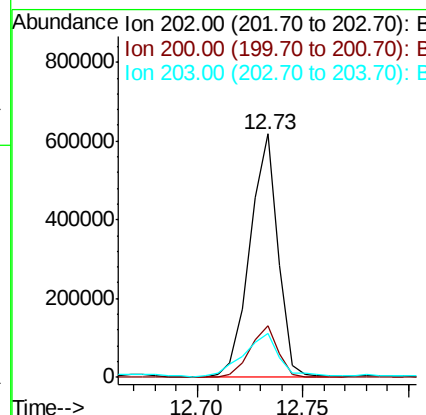
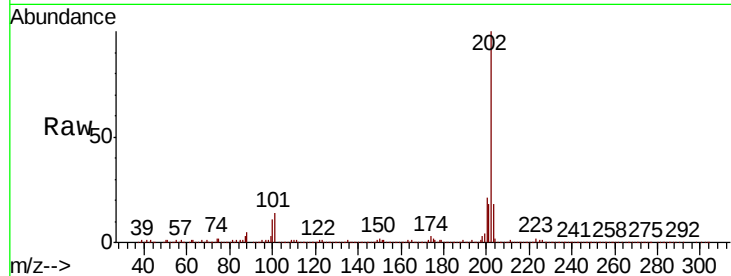
#78
Pvrene
Concen: 25.501 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.6	21.8

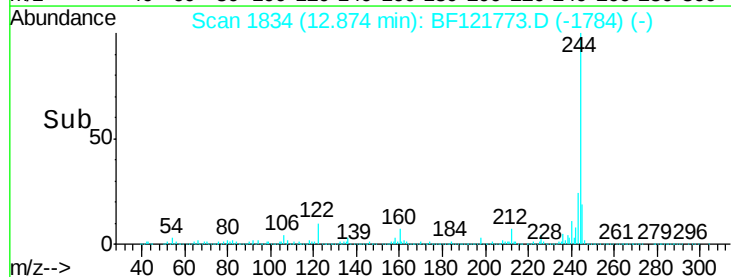
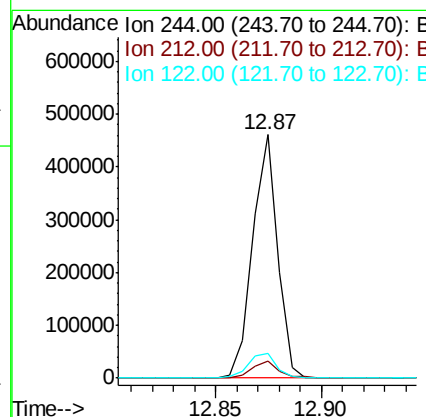
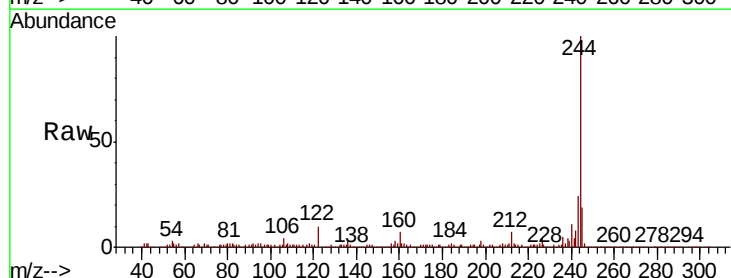
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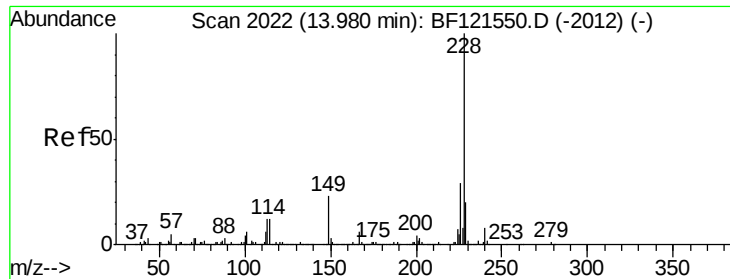
mohammad
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#79
Terphenyl-d14
Concen: 25.109 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.4	8.1	12.1





#81

Benzo(a)anthracene

Concen: 17.709 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Instrument :

BNA_F

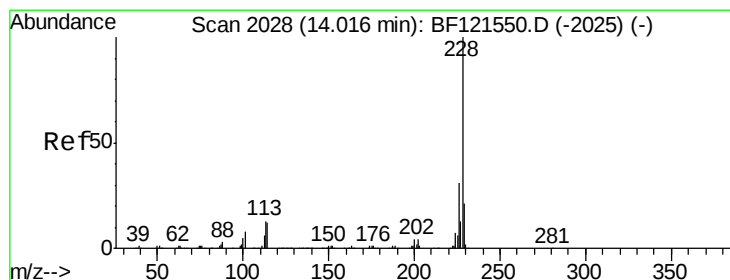
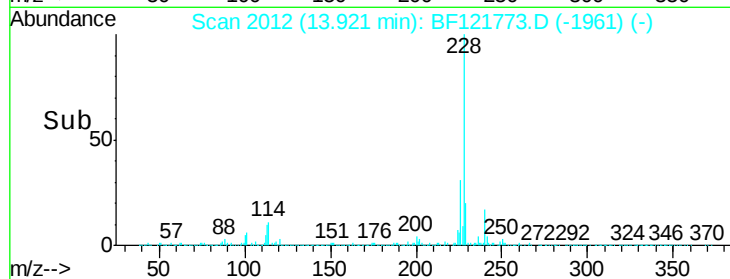
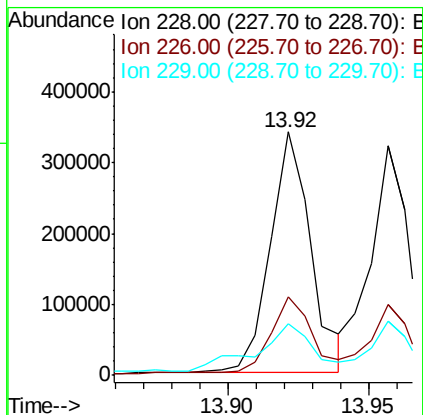
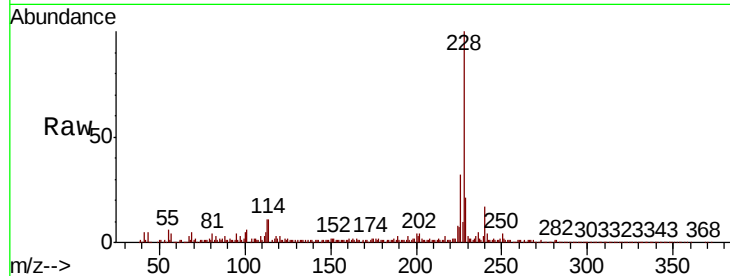
ClientSampleId :

B-10(4-5)

Tot Ion:	228	Resp:	341638
Ion Ratio	Lower	Upper	
228	100		
226	32.1	22.3	33.5
229	21.3	16.2	24.4

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#83

Chrysene

Concen: 15.209 ng

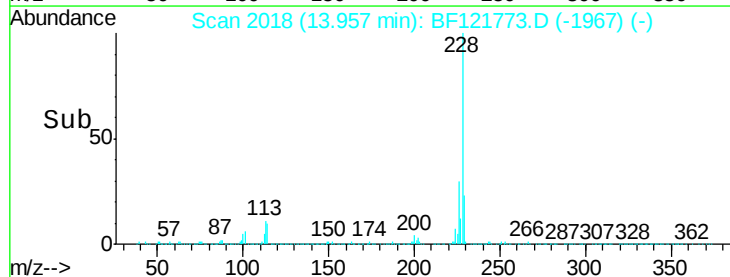
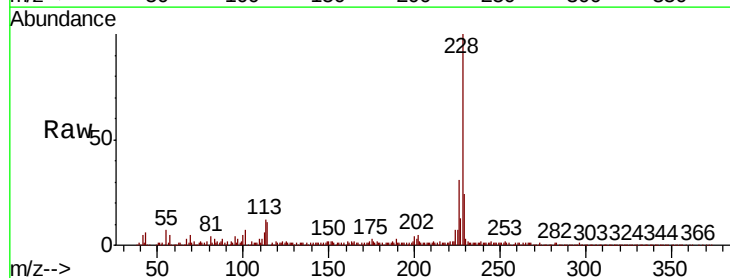
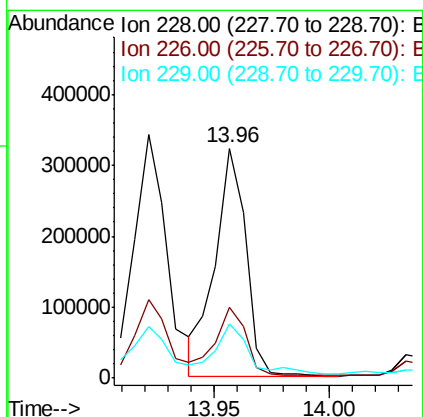
RT: 13.96 min Scan# 2018

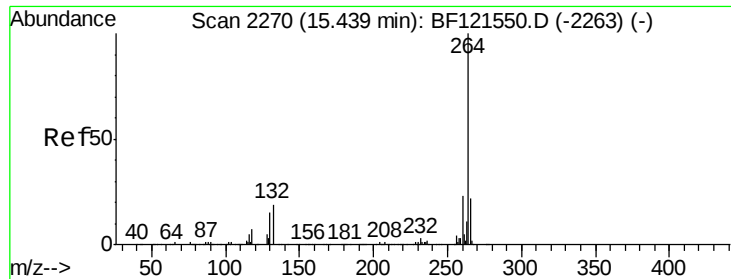
Delta R.T. 0.00 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Tgt Ion:	228	Resp:	297118
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.6	37.0
229	23.7	15.9	23.9





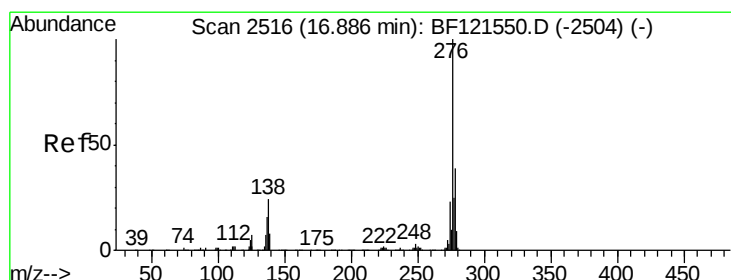
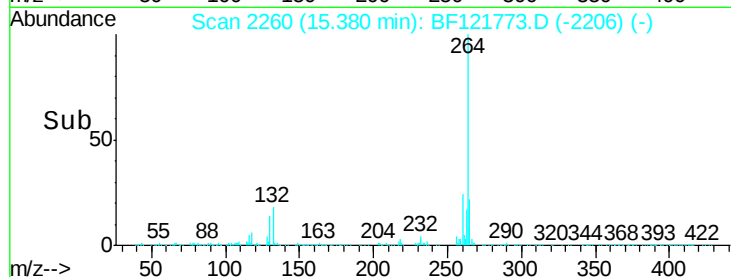
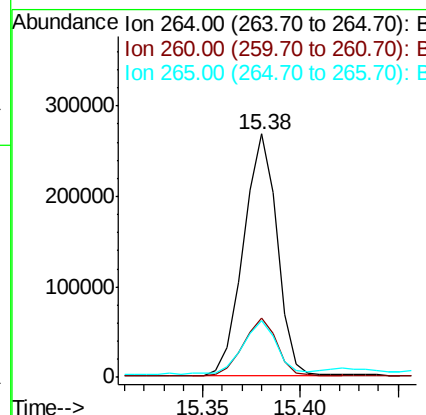
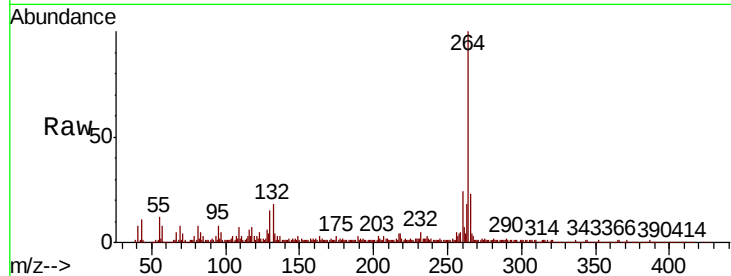
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	23.2	17.3	25.9

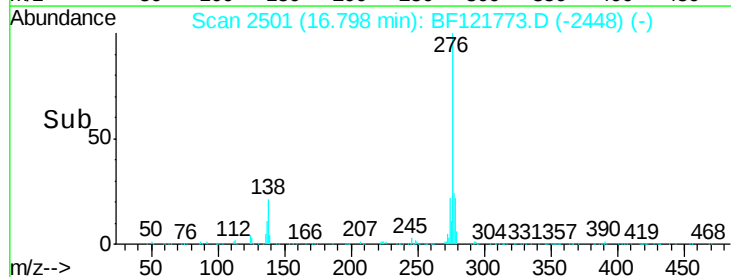
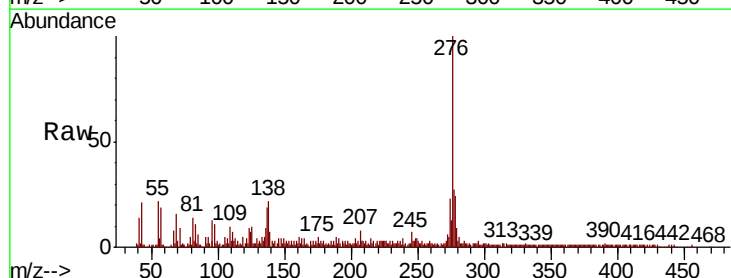
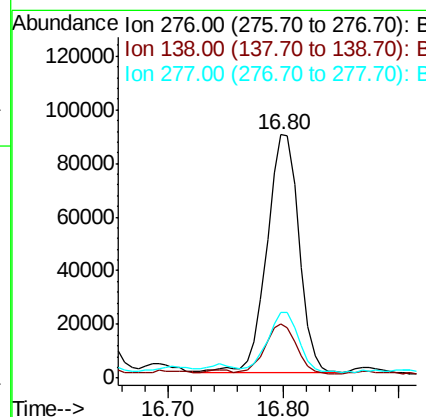
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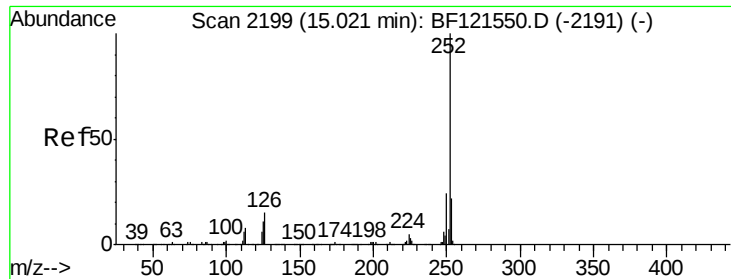
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#87
Indeno(1,2,3-cd)pyrene
Concen: 8.269 ng
RT: 16.80 min Scan# 2501
Delta R.T. 0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	19.9	29.9
277	25.0	20.4	30.6





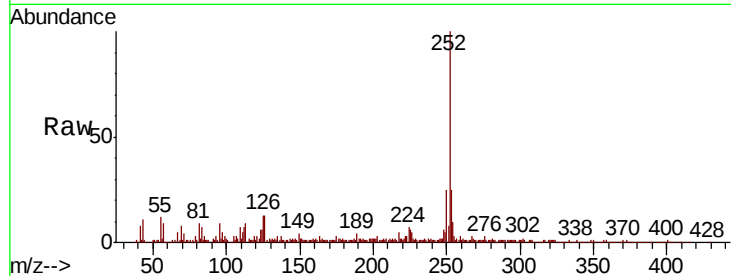
#88
Benzo(b)fluoranthene
Concen: 19.258 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	13.3	8.0	12.0

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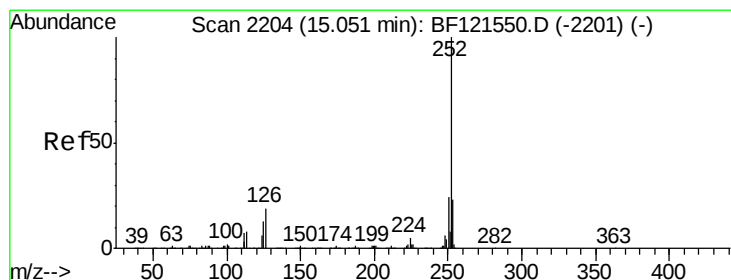
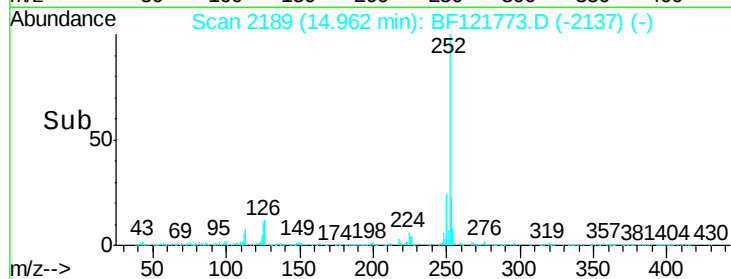
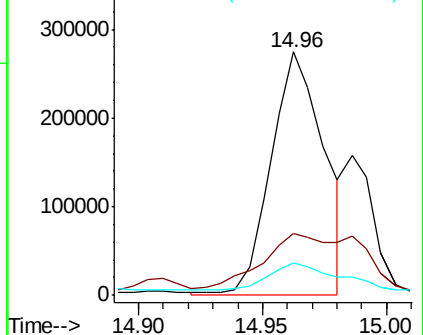


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 6.597 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

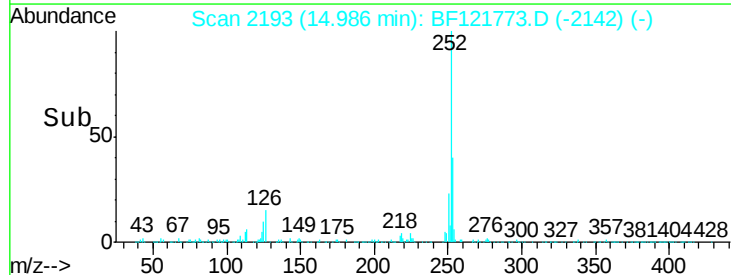
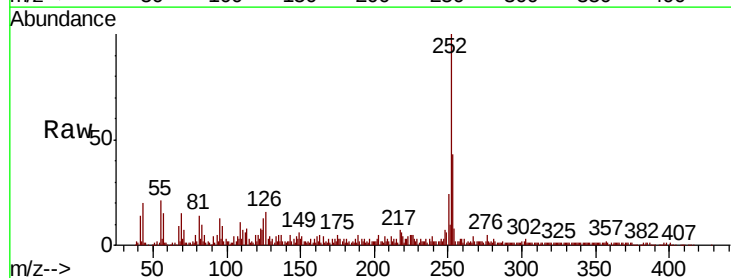
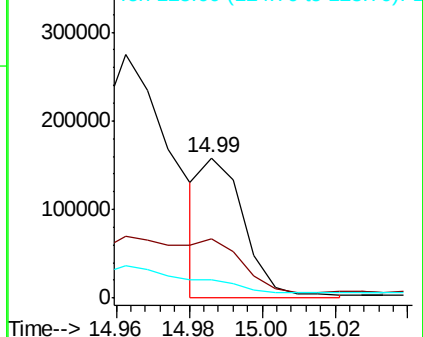
Tgt Ion	Ratio	Lower	Upper
252	100		
253	42.6	17.8	26.6
125	13.5	7.7	11.5

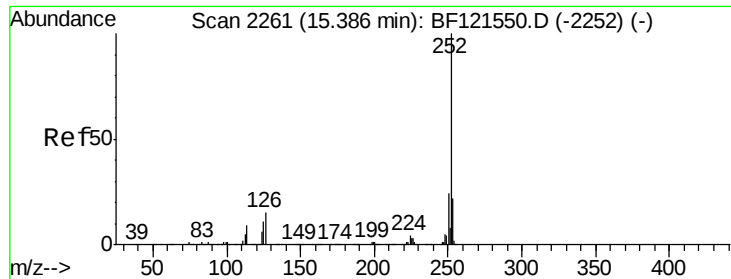
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





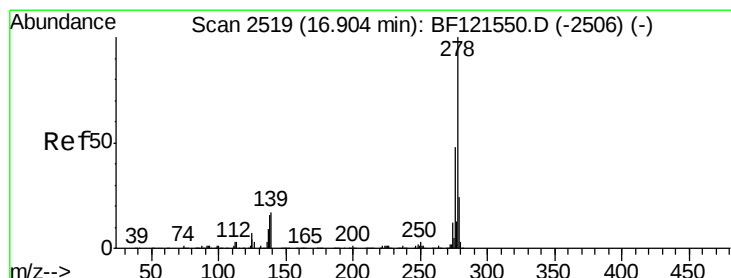
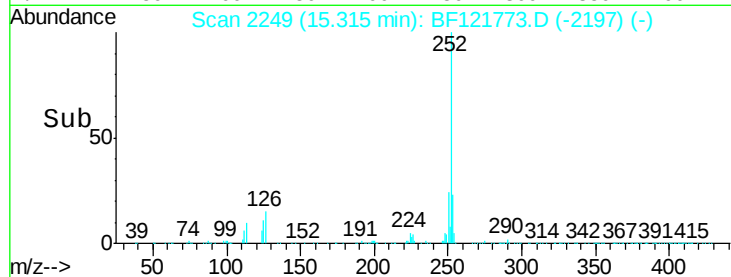
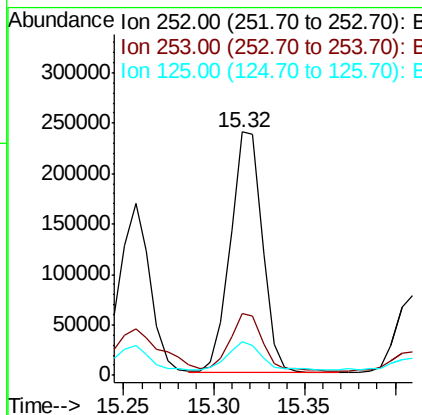
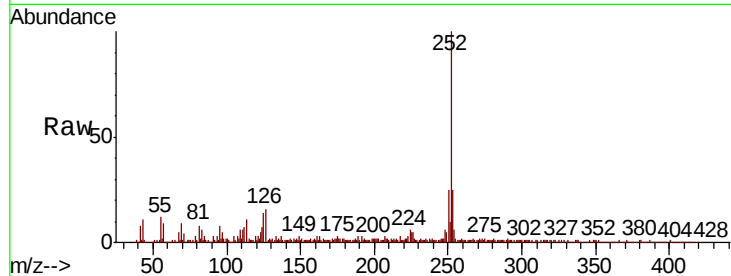
#90
Benzo(a)pyrene
Concen: 16.158 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	13.8	8.6	13.0

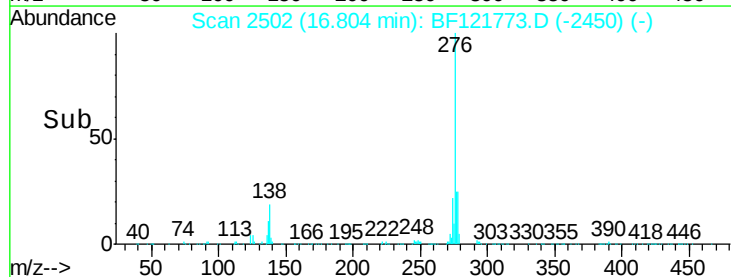
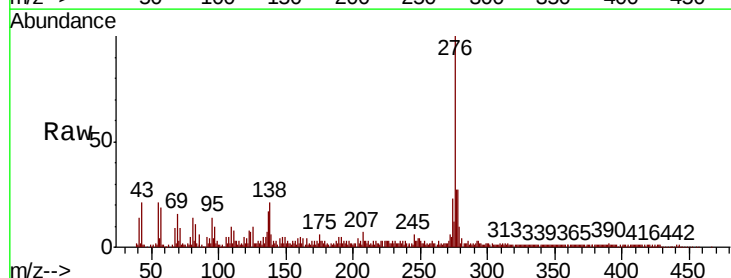
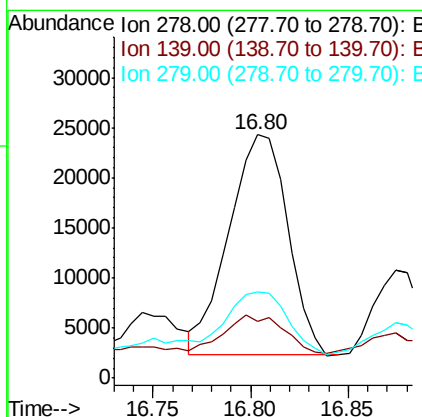
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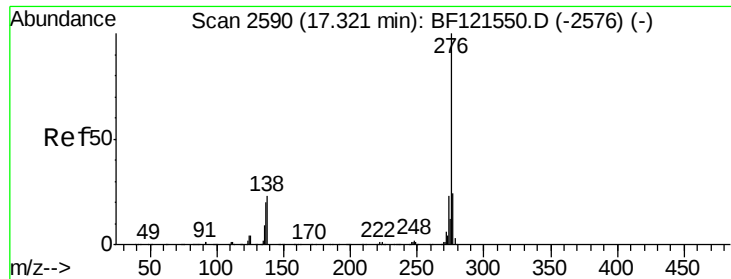
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.658 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	13.0	19.4
279	35.4	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 9.248 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.02 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Instrument :
 BNA_F
 ClientSampleId :
 B-10(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.2
138	21.3	17.8	26.6

Manual Integrations
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