

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121769.D
 Acq On : 1 Oct 2020 16:10
 Operator : JU/CG
 Sample : L4172-04DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 B-6(11-13)DL

Manual Integrations
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Quant Time: Oct 01 16:44:17 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	156974	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	597182	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	290865	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	512640	20.00	ng	0.00
76) Chrysene-d12	13.93	240	340818	20.00	ng	0.00
86) Perylene-d12	15.36	264	334141	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	384089	36.36	ng	0.00
7) Phenol-d6	6.40	99	491435	35.46	ng	-0.01
23) Nitrobenzene-d5	7.33	82	322849	29.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	122800	33.97	ng	-0.01
45) 2-Fluorobiphenyl	9.13	172	522509	27.21	ng	0.00
79) Terphenyl-d14	12.87	244	408730	24.30	ng	-0.01
Target Compounds						
31) Naphthalene	8.07	128	276323	8.765	ng	98
37) 2-Methylnaphthalene	8.76	142	51427	2.489	ng	97
50) Dimethylphthalate	9.52	163	92121	4.370	ng	99
52) Acenaphthene	9.83	154	72995	4.099	ng	99
55) Dibenzofuran	10.01	168	102867	4.102	ng	96
58) Fluorene	10.35	166	124348	6.484	ng	99
71) Phenanthrene	11.32	178	1035282	37.066	ng	99
72) Anthracene	11.36	178	291852	10.126	ng	99
73) Carbazole	11.52	167	122729	4.718	ng	98
75) Fluoranthene	12.50	202	1210606	40.603	ng	99
78) Pyrene	12.73	202	1019079	40.925	ng	99
81) Benzo(a)anthracene	13.92	228	504099	23.379	ng	98
83) Chrysene	13.95	228	411480	18.846	ng	97
87) Indeno(1,2,3-cd)pyrene	16.77	276	266239	12.235	ng	95
88) Benzo(b)fluoranthene	14.95	252	508106m	22.747	ng	
89) Benzo(k)fluoranthene	14.97	252	163156m	7.976	ng	
90) Benzo(a)pyrene	15.30	252	364507	19.197	ng	97
91) Dibenzo(a,h)anthracene	16.78	278	70026m	3.866	ng	
92) Benzo(a,h,i)perylene	17.20	276	247369	13.893	ng	99

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

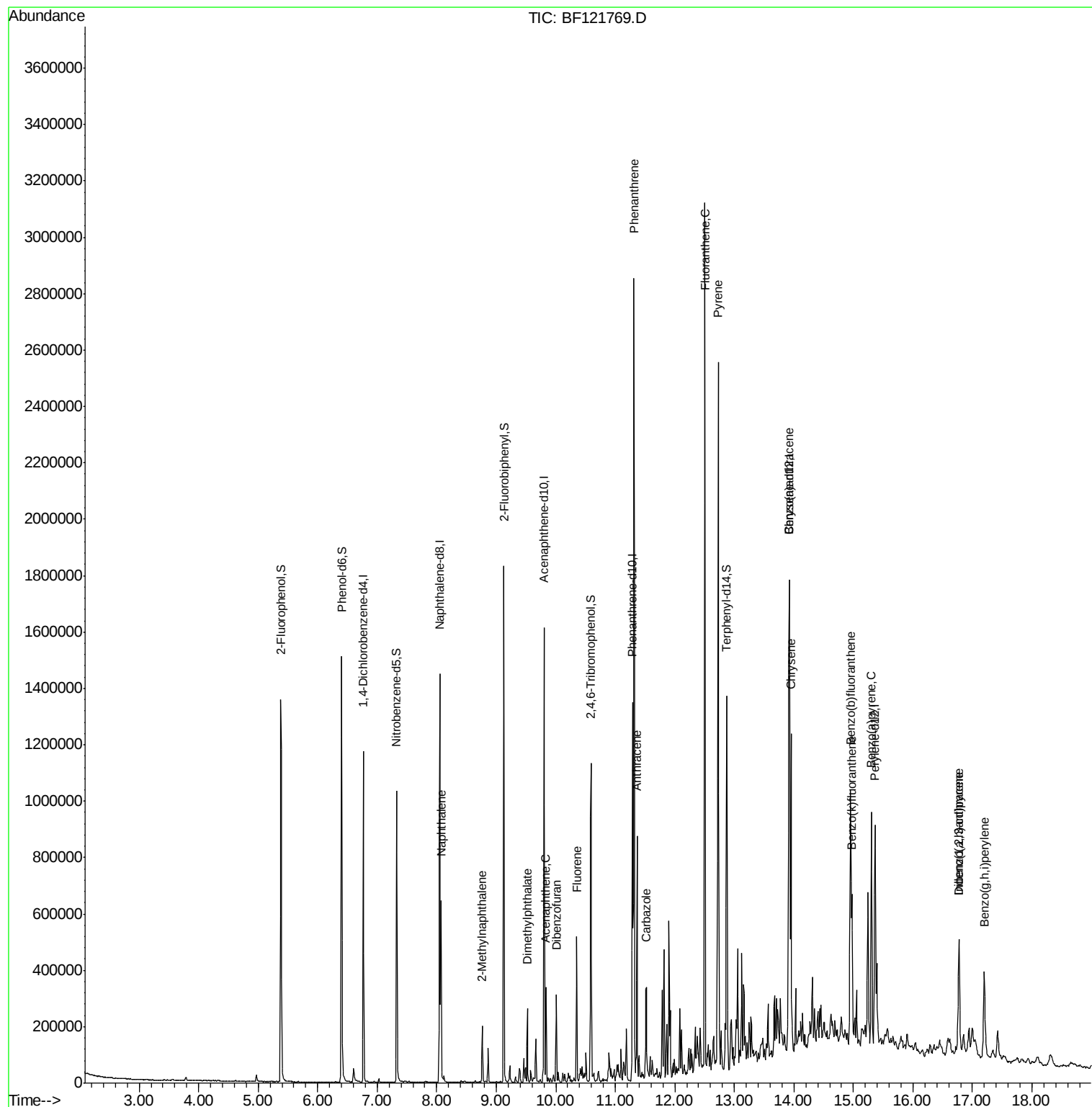
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
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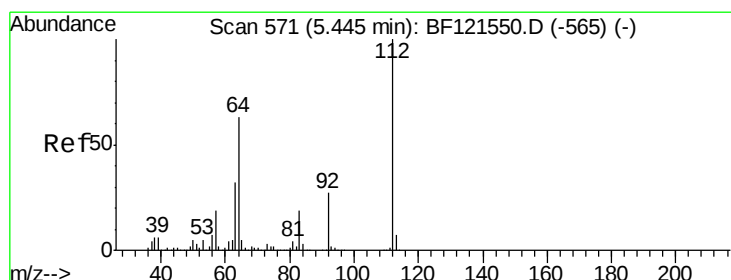
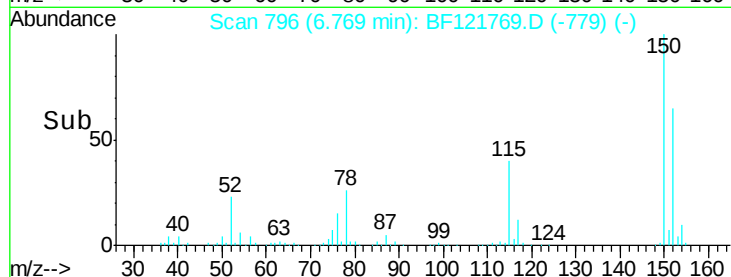
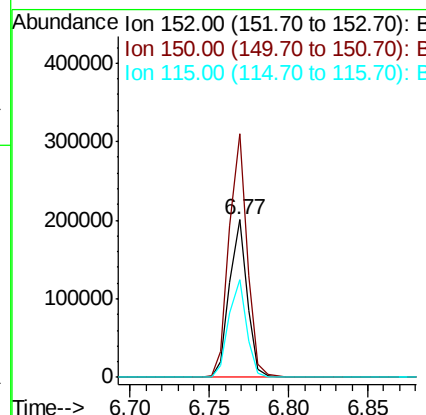
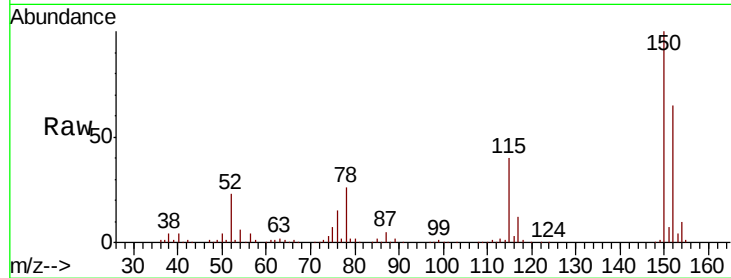
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF121769.D
 Acq: 1 Oct 2020 16:10

Instrument :
 BNA_F
 ClientSampleId :
 B-6(11-13)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.3	187.9
115	62.1	51.9	77.9

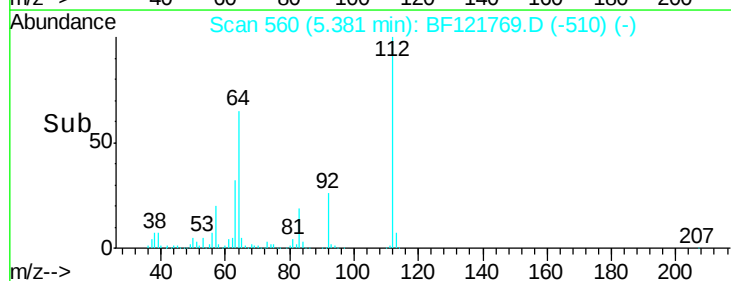
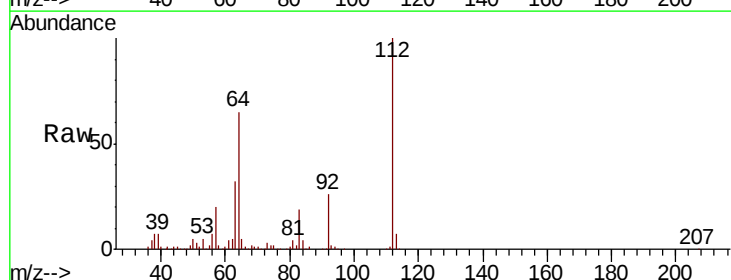
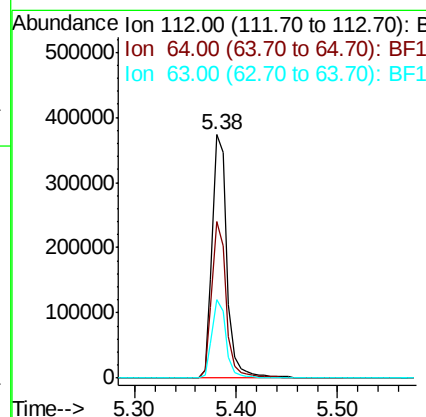
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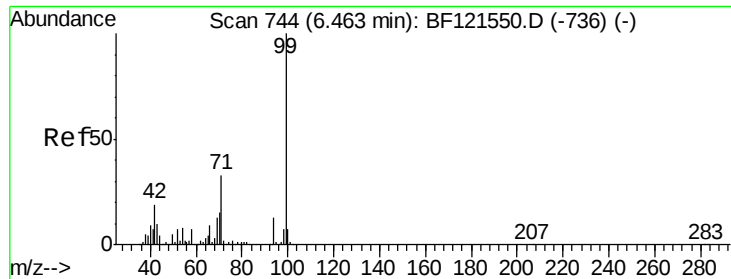
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#5
 2-Fluorophenol
 Concen: 36.363 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121769.D
 Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	50.4	75.6
63	32.5	25.8	38.6





#7

Phenol-d6

Concen: 35.463 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121769.D

Acq: 1 Oct 2020 16:10

Instrument :

BNA_F

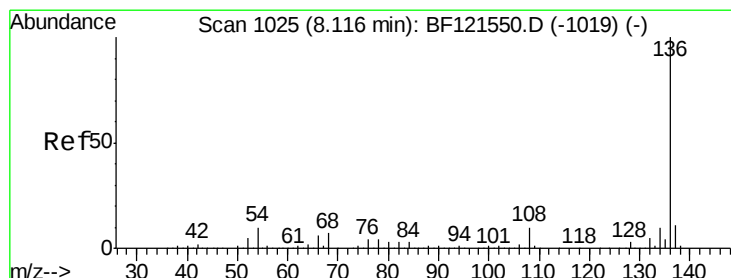
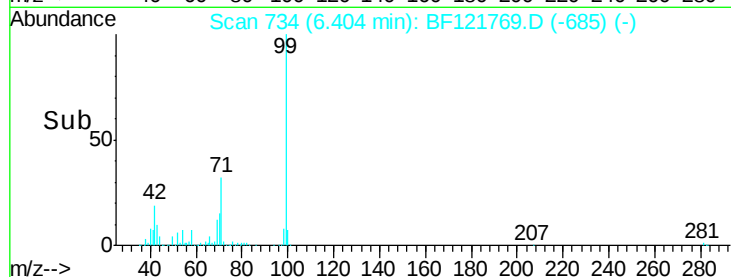
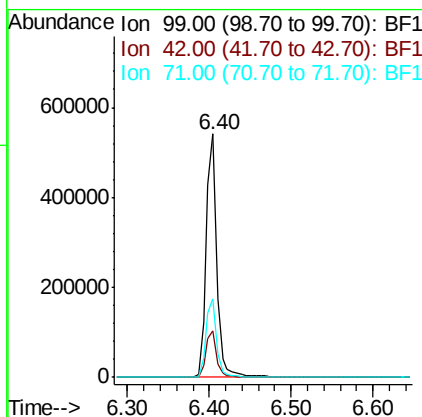
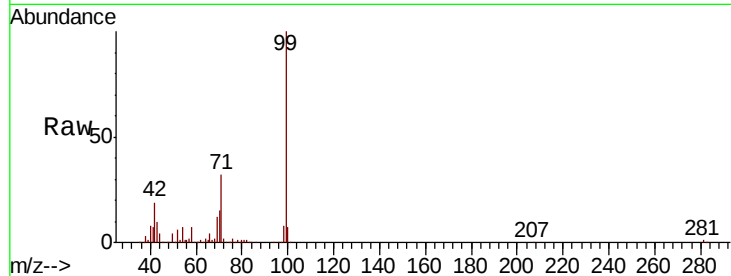
ClientSampleId :

B-6(11-13)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		491435		
42	19.0	15.9	23.9		
71	32.1	27.1	40.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

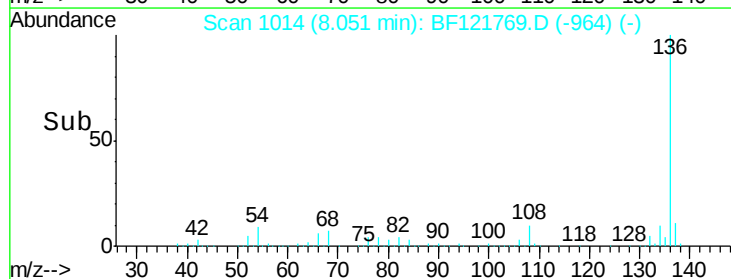
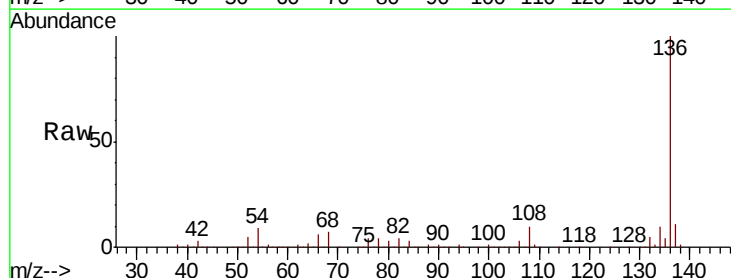
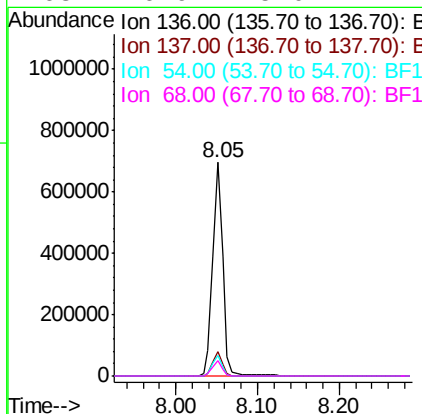
RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF121769.D

Acq: 1 Oct 2020 16:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		597182		
137	11.1	8.6	13.0		
54	9.4	7.1	10.7		
68	6.9	5.0	7.4		





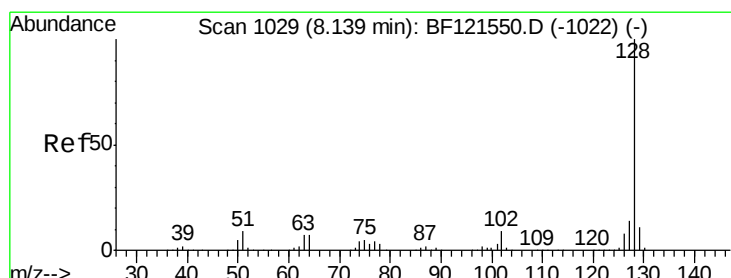
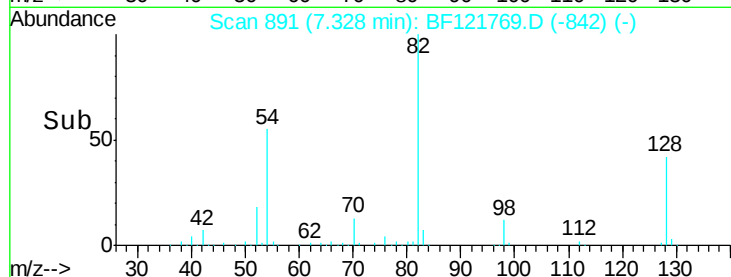
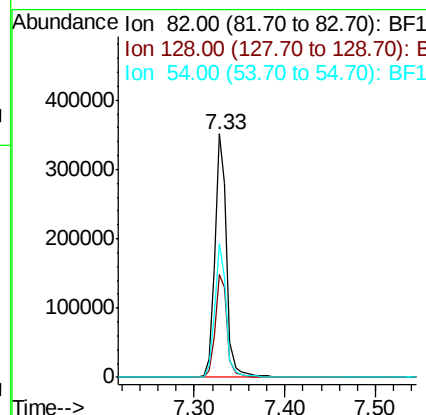
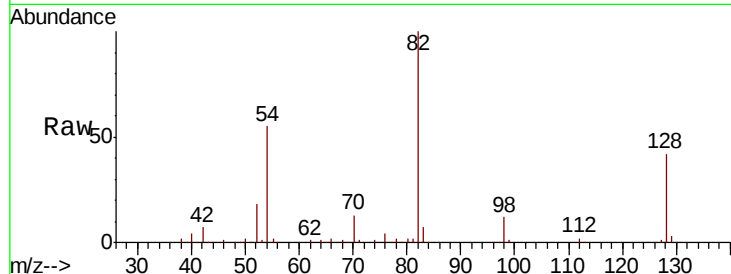
#23
Nitrobenzene-d5
Concen: 29.027 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.0	52.4
54	54.9	43.9	65.9

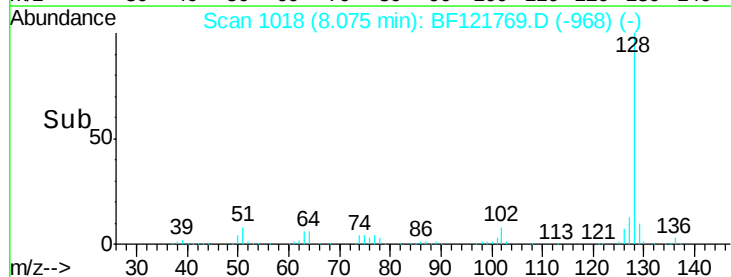
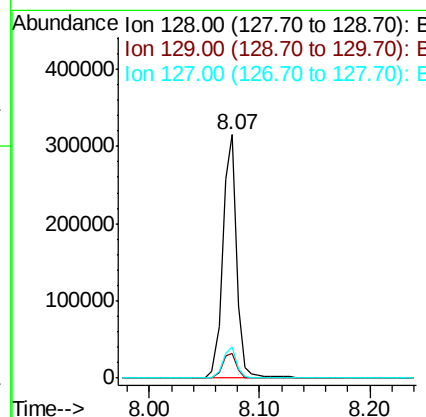
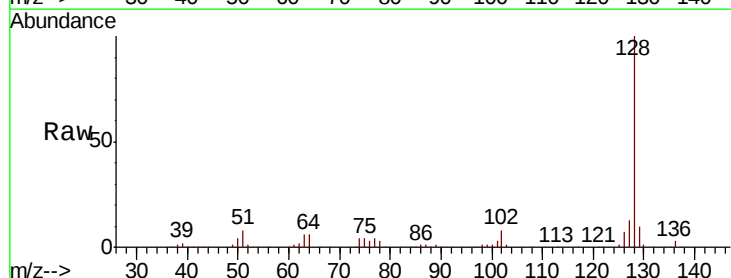
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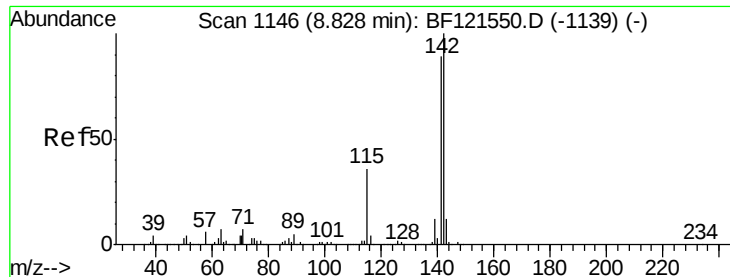
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#31
Naphthalene
Concen: 8.765 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.7	13.1
127	13.0	10.8	16.2





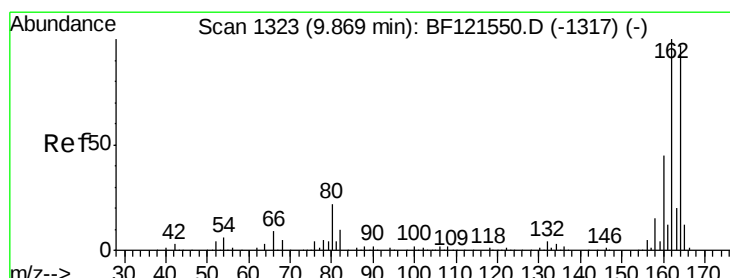
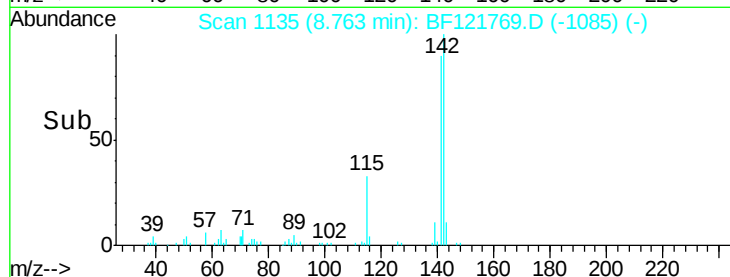
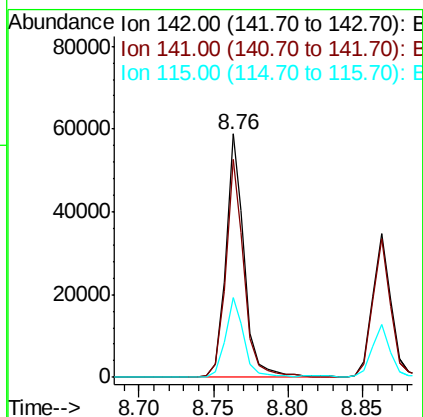
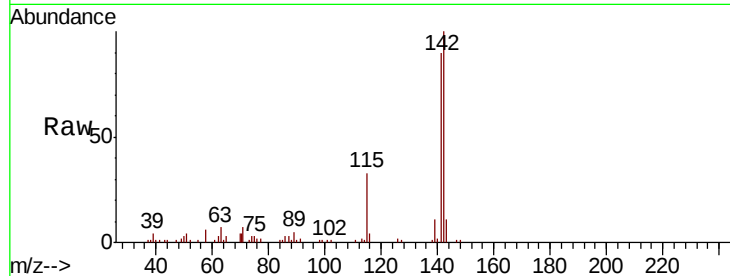
#37
2-Methylnaphthalene
Concen: 2.489 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.2	105.4
115	32.7	28.6	43.0

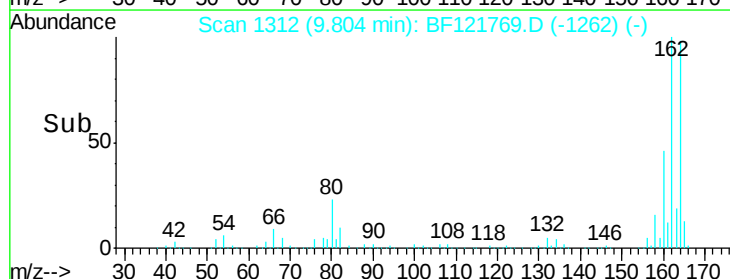
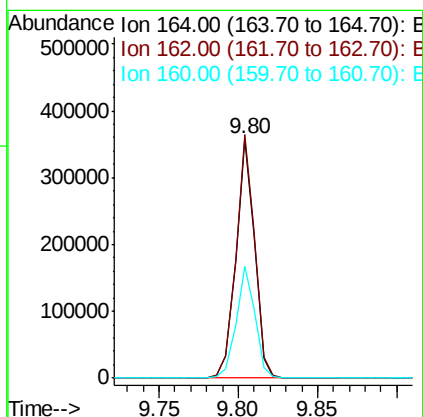
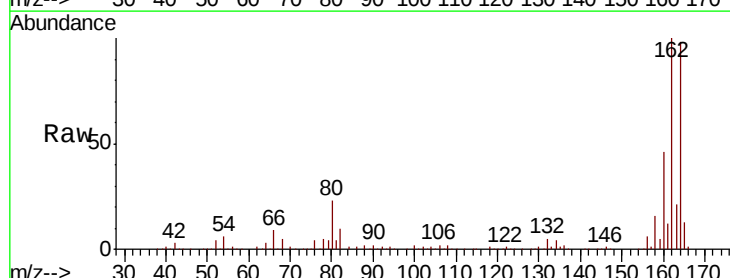
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.2	124.8
160	46.8	37.5	56.3





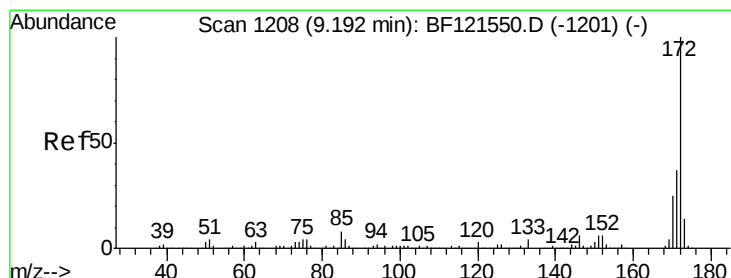
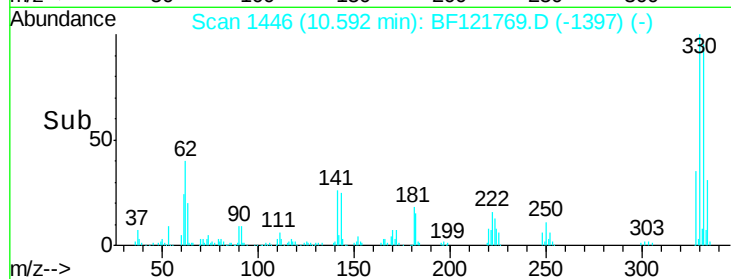
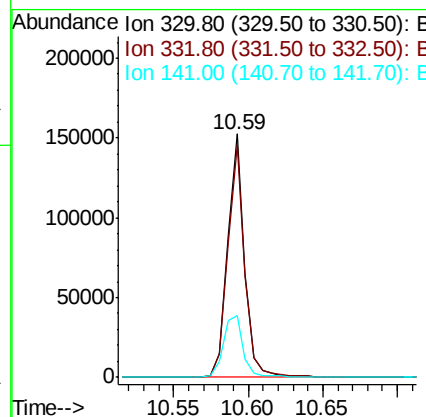
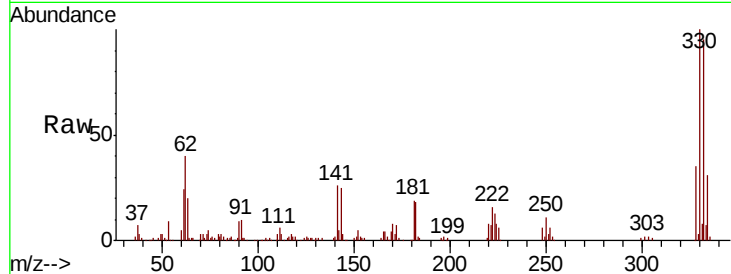
#42
 2,4,6-Tribromophenol
 Concen: 33.969 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121769.D
 Acq: 1 Oct 2020 16:10

Instrument :
 BNA_F
 ClientSampleId :
 B-6(11-13)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	122800		
332	96.3	77.3	115.9	
141	30.3	22.3	33.5	

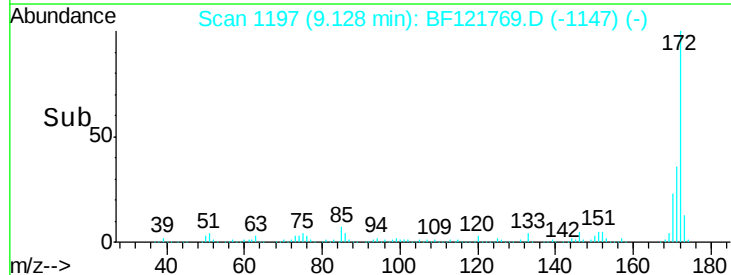
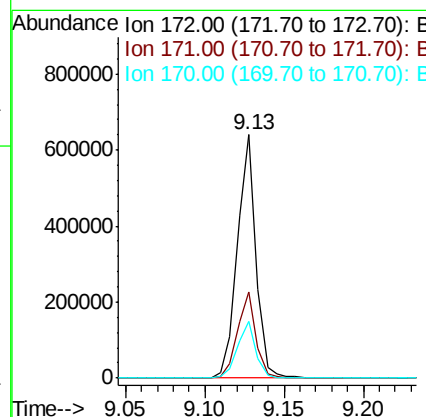
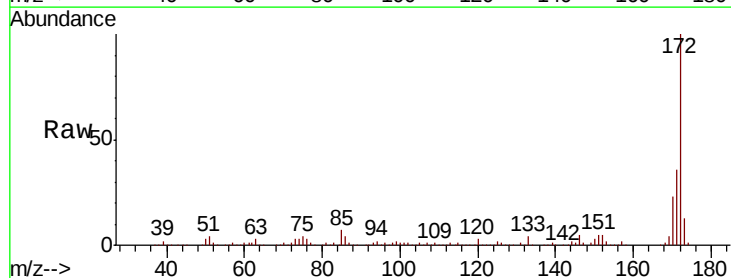
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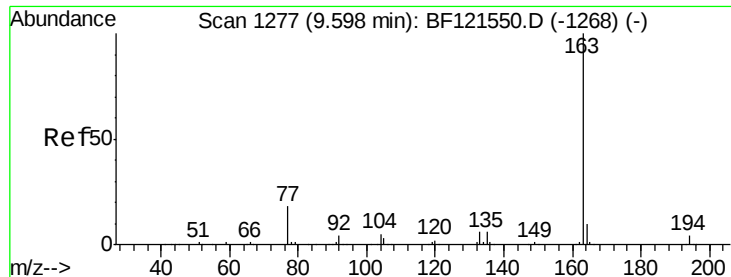
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#45
 2-Fluorobiphenyl
 Concen: 27.207 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF121769.D
 Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	522509		
171	35.6	29.1	43.7	
170	23.5	19.8	29.6	





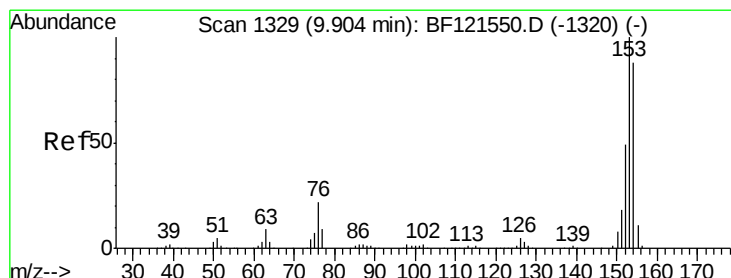
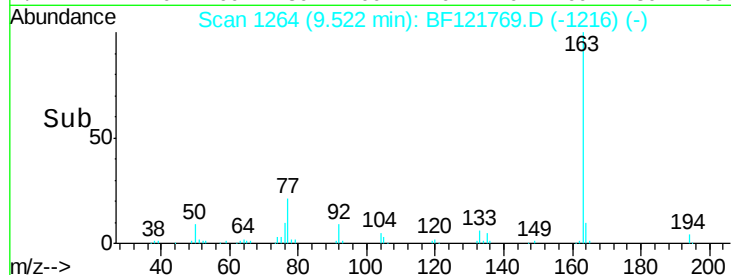
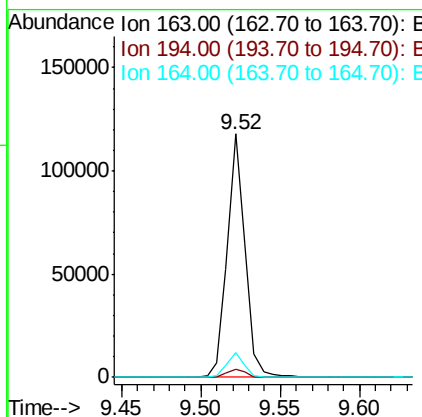
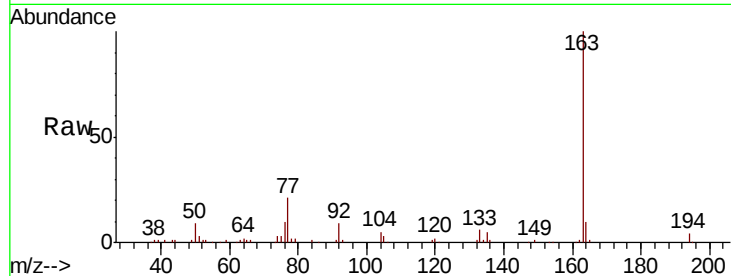
#50
Dimethylphthalate
Concen: 4.370 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

Tot Ion:	163	Resp:	92121
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.3	4.9
164	10.2	8.2	12.4

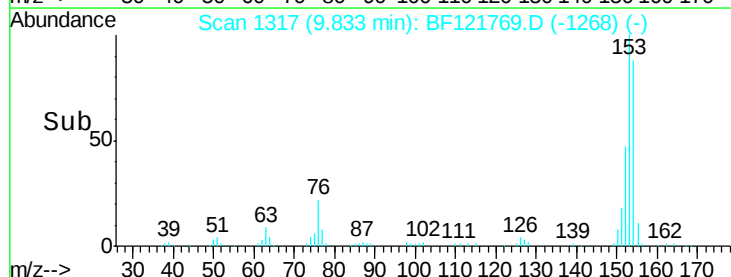
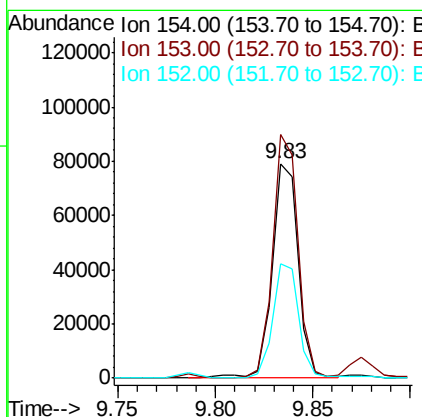
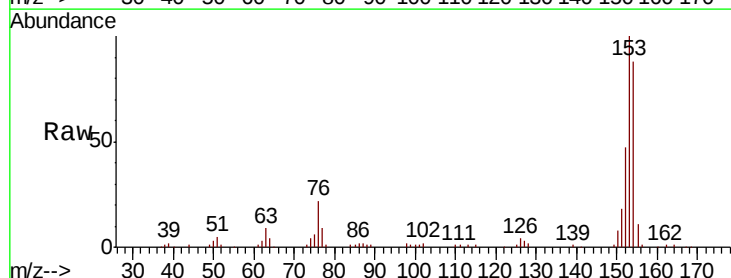
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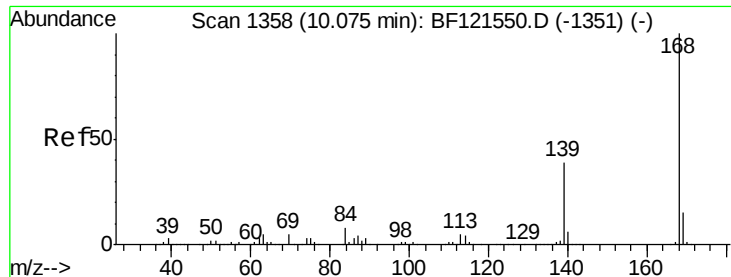
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#52
Acenaphthene
Concen: 4.099 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Tgt Ion:	154	Resp:	72995
Ion Ratio	Lower	Upper	
154	100		
153	113.5	89.8	134.8
152	53.0	43.2	64.8





#55

Dibenzenofuran

Concen: 4.102 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF121769.D

Acq: 1 Oct 2020 16:10

Instrument :

BNA_F

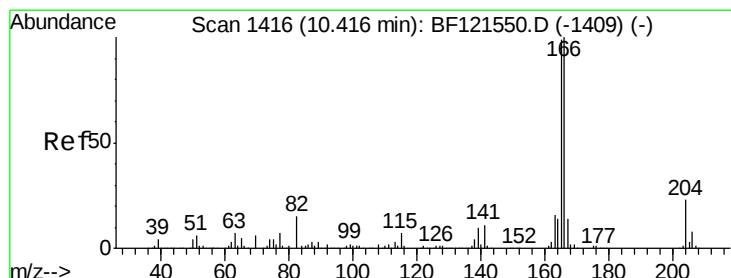
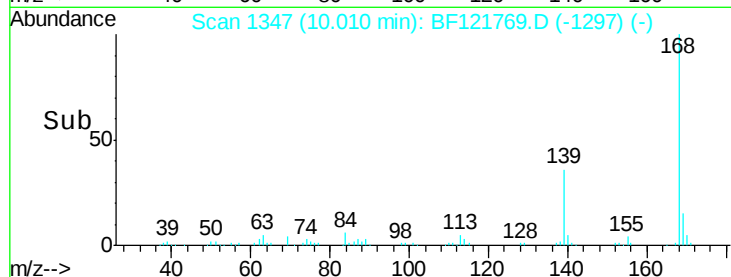
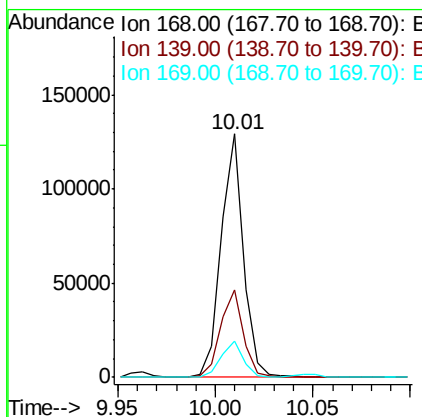
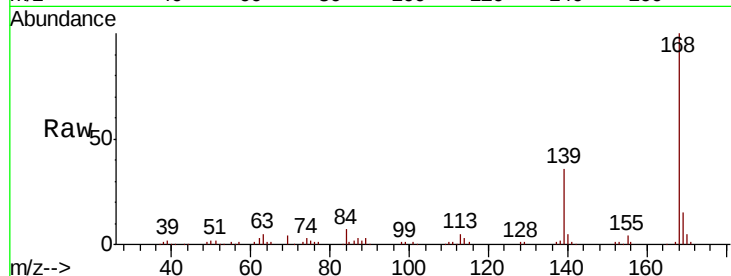
ClientSampleId :

B-6(11-13)DL

Tot Ion:	168	Resp:	102867
Ion Ratio	Lower	Upper	
168	100		
139	36.1	31.0	46.6
169	15.0	11.3	16.9

Manual Integrations
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#58

Fluorene

Concen: 6.484 ng

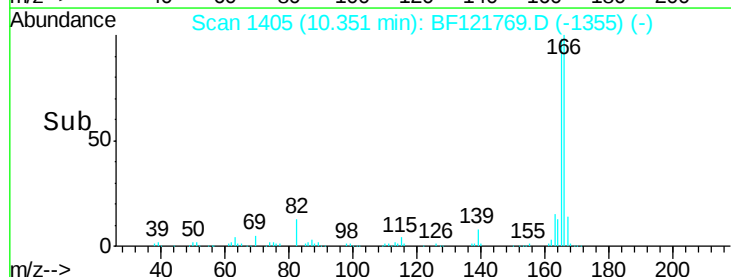
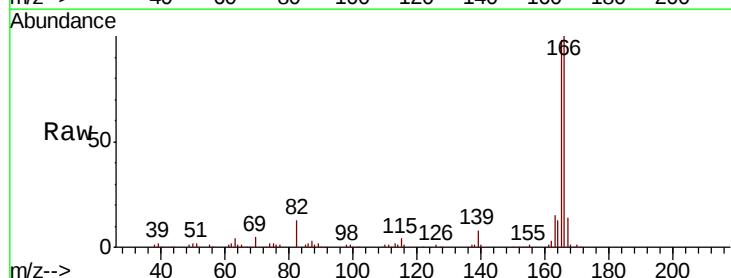
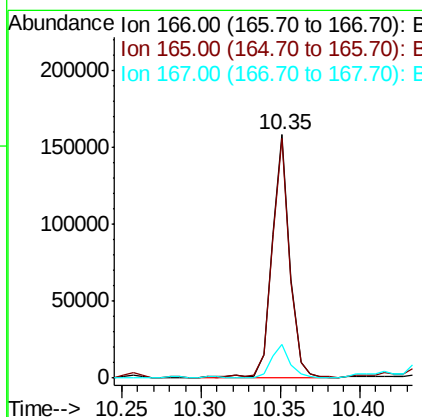
RT: 10.35 min Scan# 1405

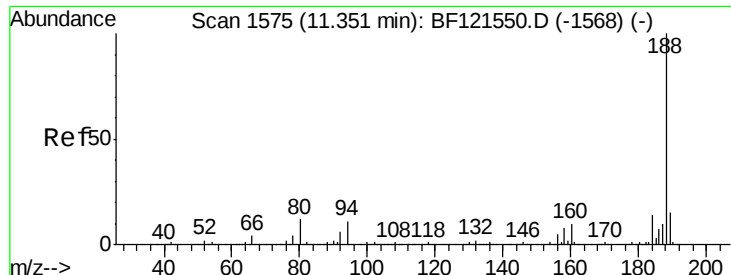
Delta R.T. -0.01 min

Lab File: BF121769.D

Acq: 1 Oct 2020 16:10

Tgt Ion:	166	Resp:	124348
Ion Ratio	Lower	Upper	
166	100		
165	98.3	79.1	118.7
167	13.9	11.0	16.6





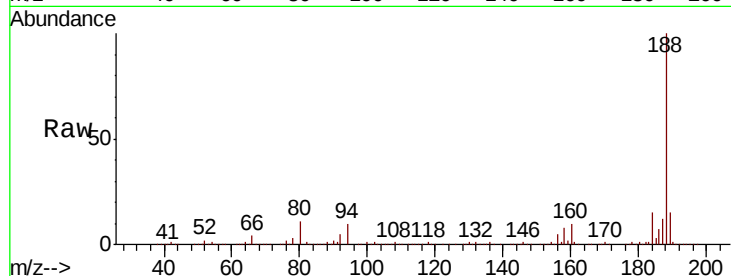
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

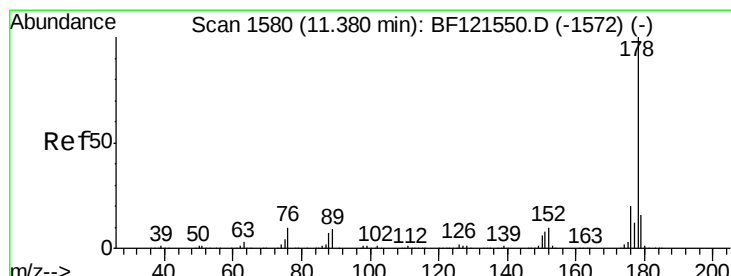
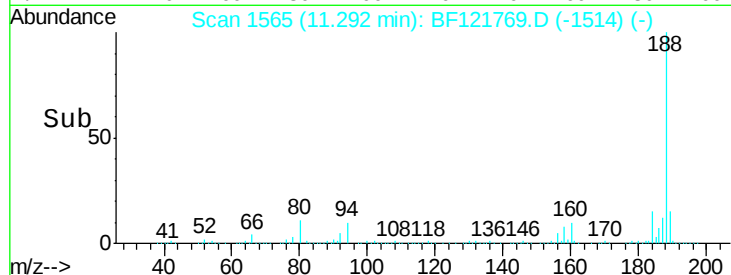
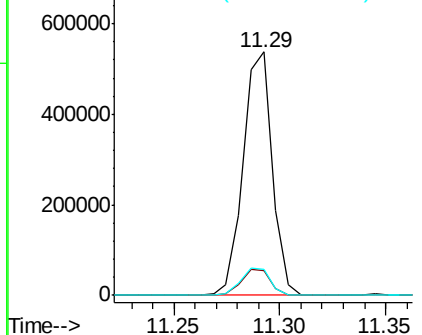
Tot Ion	Ratio	Resp	Lower	Upper
188	100	512640		
94	10.1		8.3	12.5
80	10.7		9.1	13.7

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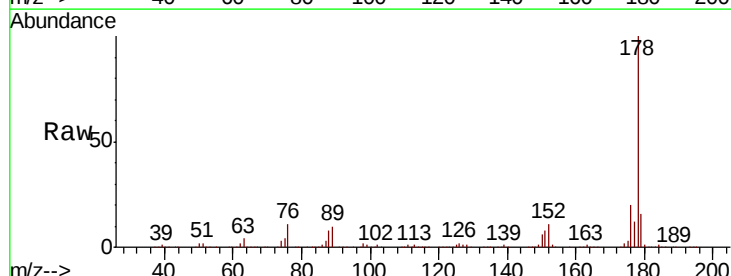


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

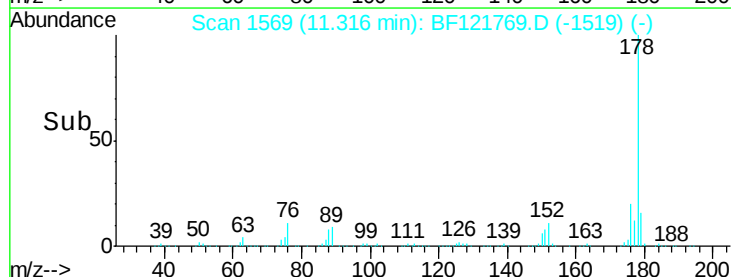
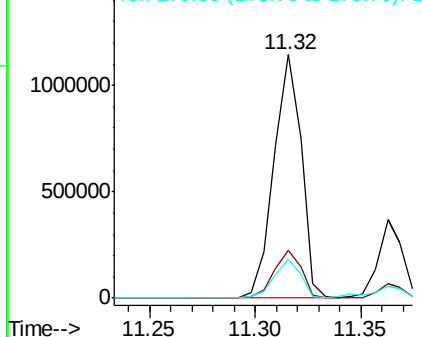


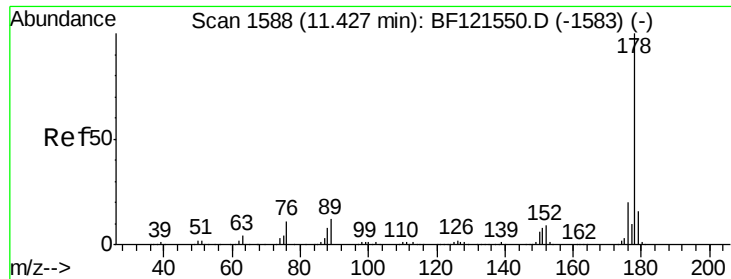
#71
Phenanthrene
Concen: 37.066 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1035282		
176	19.9		15.9	23.9
179	15.8		12.2	18.4



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





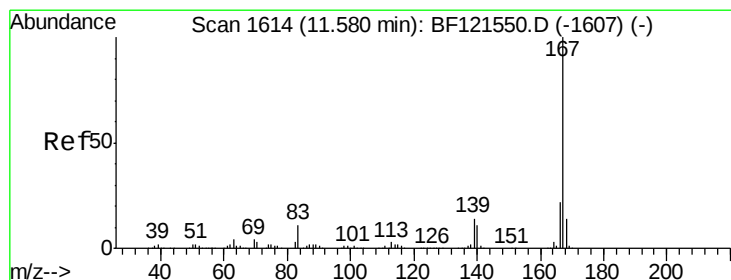
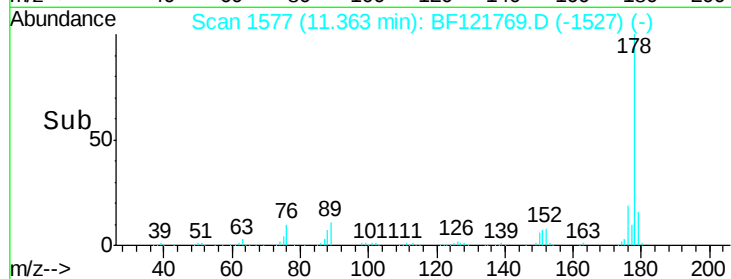
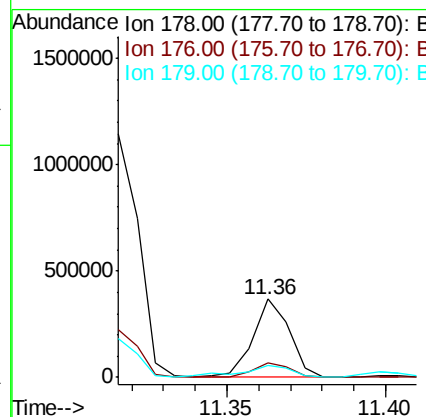
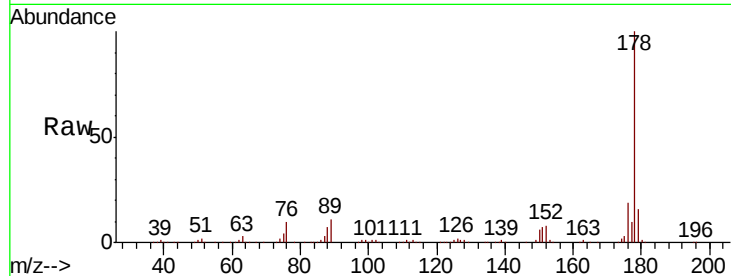
#72
 Anthracene
 Concen: 10.126 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF121769.D
 Acq: 1 Oct 2020 16:10

Instrument :
 BNA_F
 ClientSampleID :
 B-6(11-13)DL

Tot Ion	Ion	Ratio	Lower	Upper
291852	178	100		
	176	18.7	15.7	23.5
	179	15.8	12.7	19.1

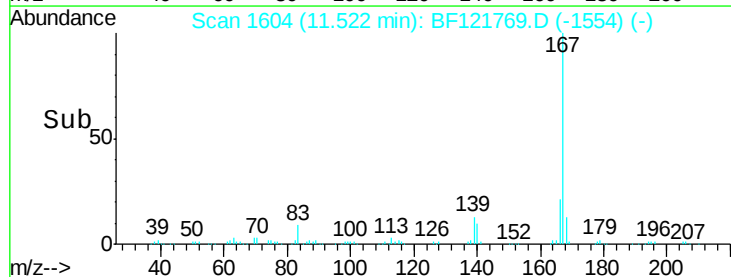
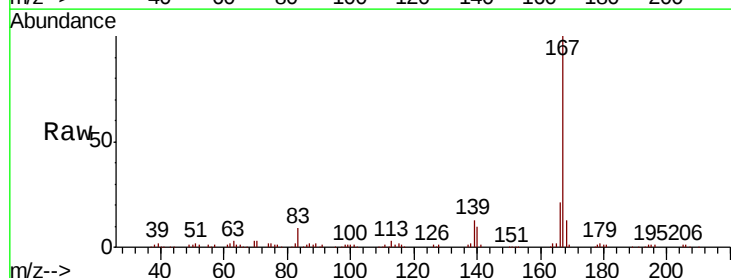
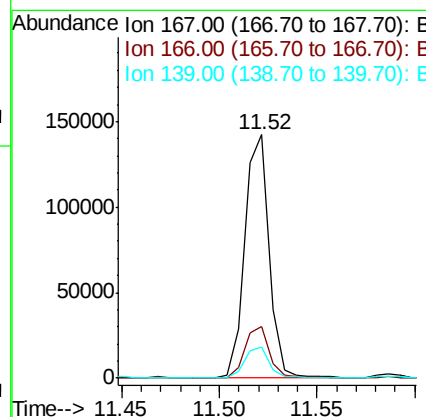
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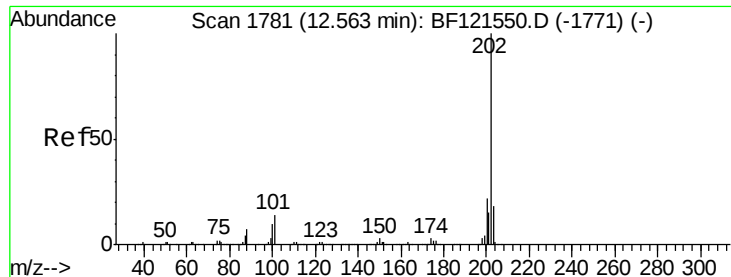
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#73
 Carbazole
 Concen: 4.718 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF121769.D
 Acq: 1 Oct 2020 16:10

Tgt Ion	Ion	Ratio	Lower	Upper
122729	167	100		
	166	21.2	17.8	26.6
	139	12.6	10.8	16.2





#75

Fluoranthene

Concen: 40.603 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121769.D

Acq: 1 Oct 2020 16:10

Instrument :

BNA_F

ClientSampleId :

B-6(11-13)DL

Tot Ion:202 Resp: 1210606

Ion Ratio Lower Upper

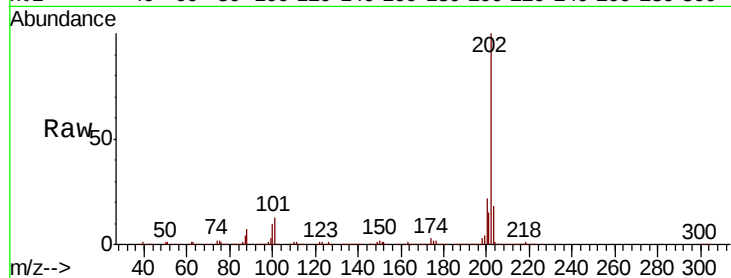
202 100

101 12.9 0.0 33.4

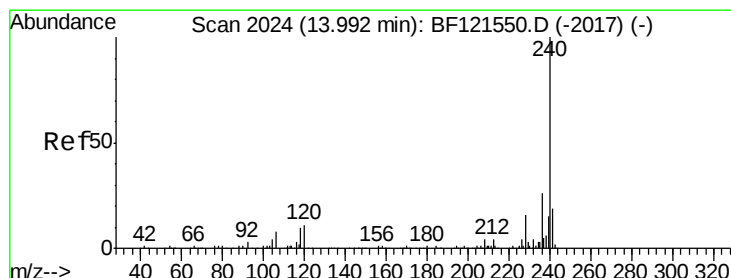
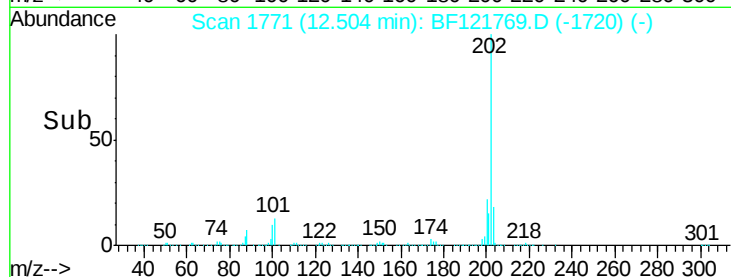
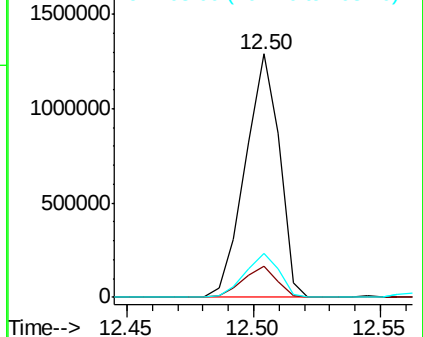
203 18.1 0.0 37.9

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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# 2013

Delta R.T. -0.01 min

Lab File: BF121769.D

Acq: 1 Oct 2020 16:10

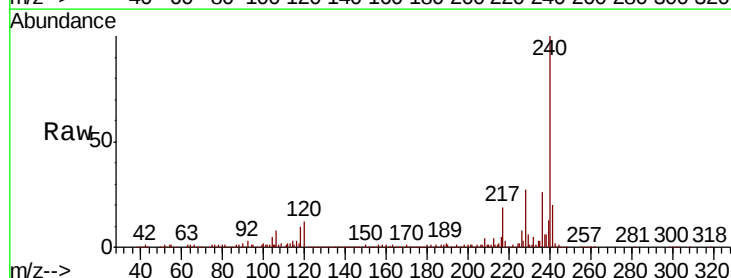
Tgt Ion:240 Resp: 340818

Ion Ratio Lower Upper

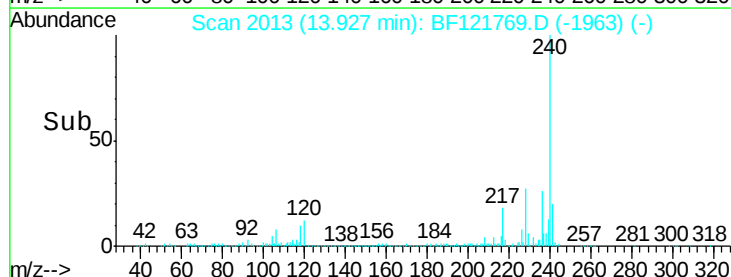
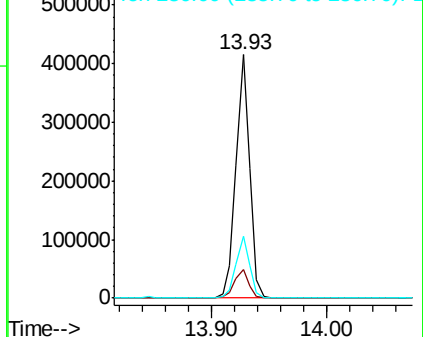
240 100

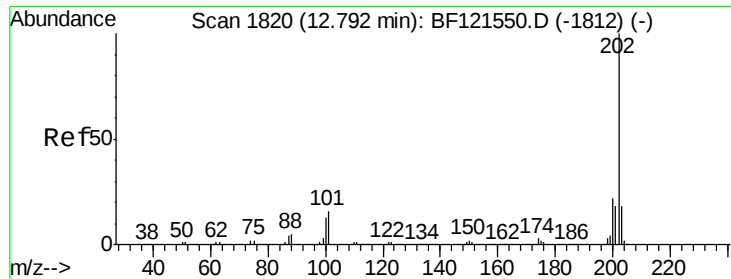
120 11.8 9.2 13.8

236 25.6 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





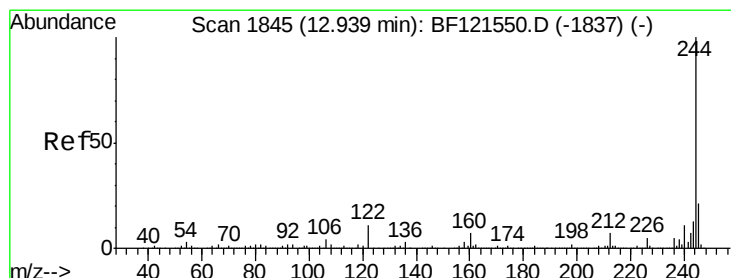
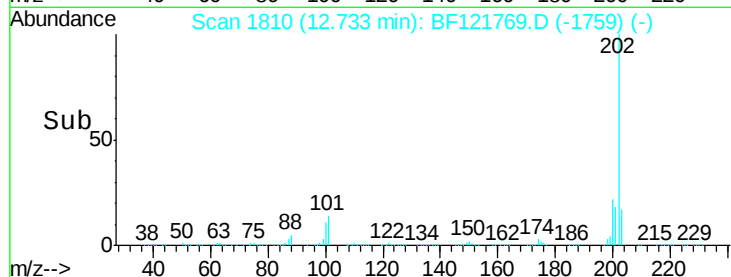
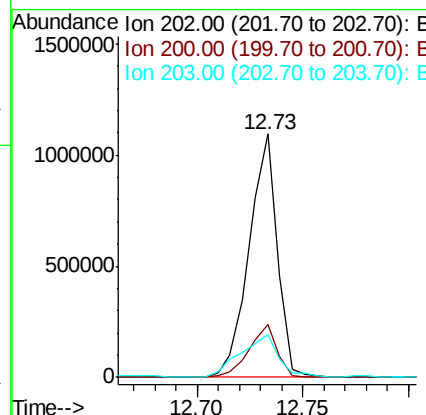
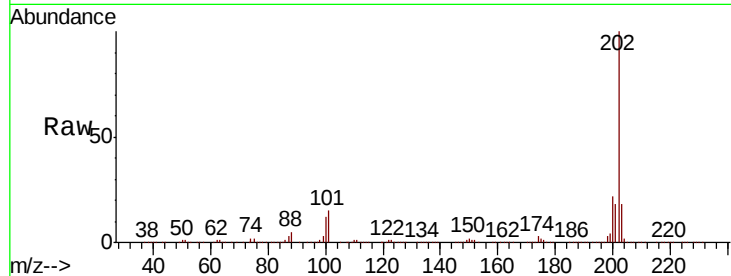
#78
Pvrene
Concen: 40.925 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.6	14.6	21.8

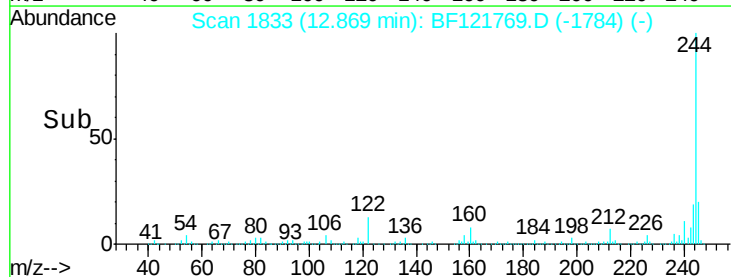
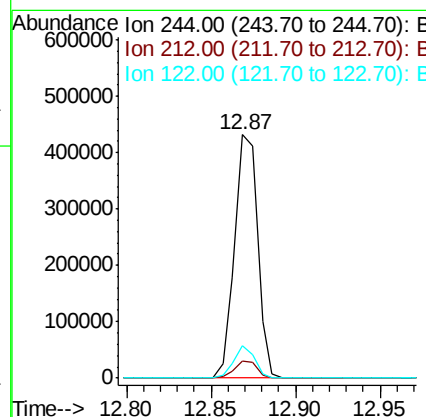
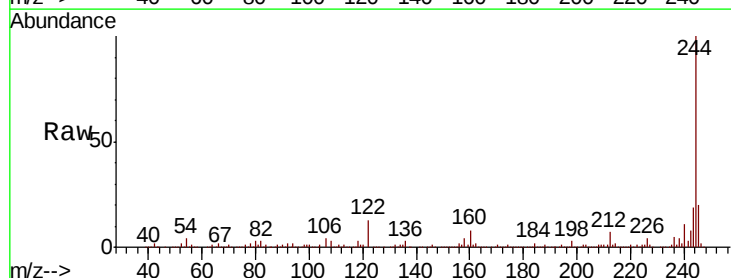
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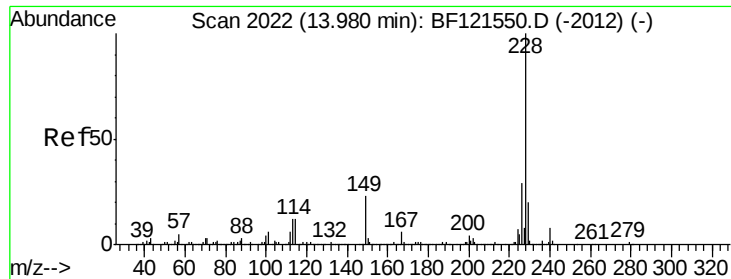
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#79
Terphenyl-d14
Concen: 24.296 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	13.1	8.1	12.1





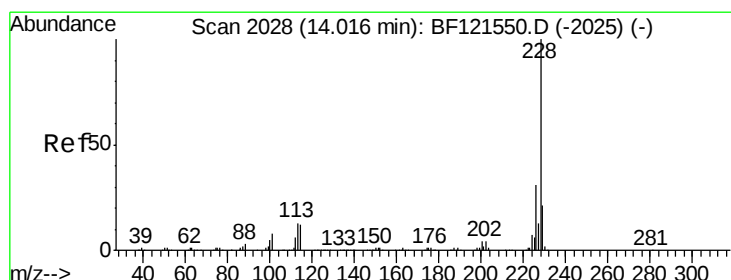
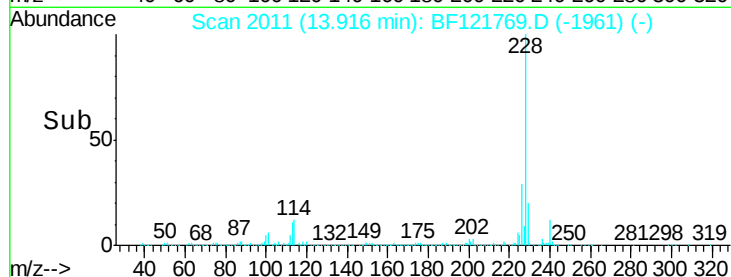
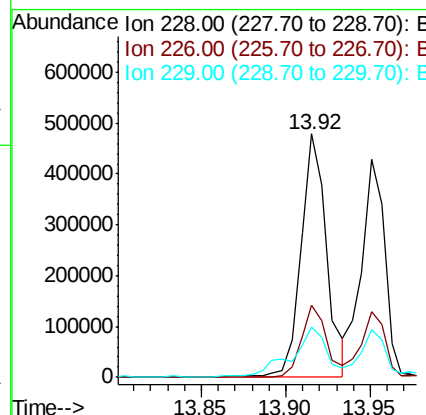
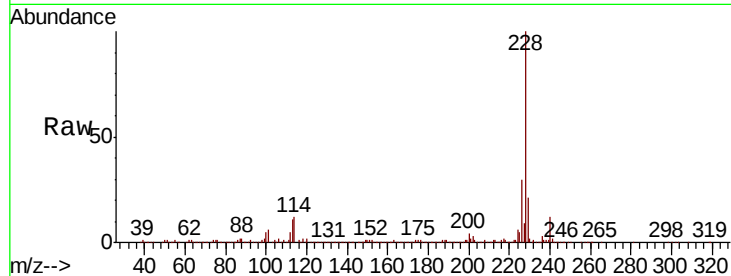
#81
Benzo(a)anthracene
Concen: 23.379 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	20.6	16.2	24.4

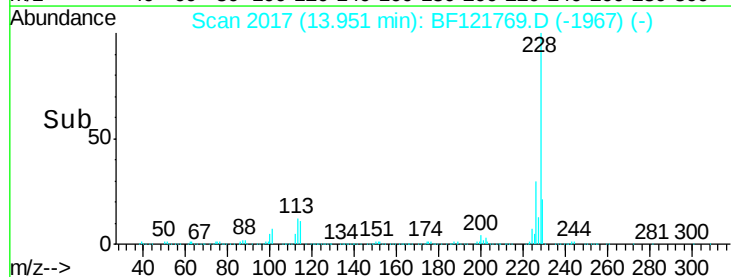
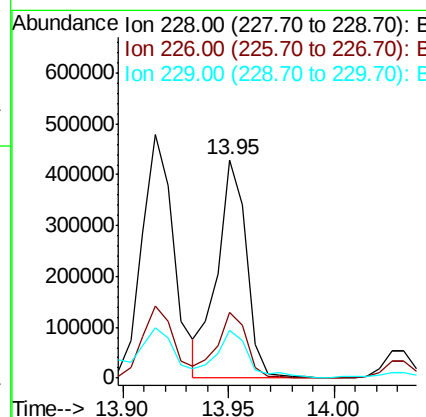
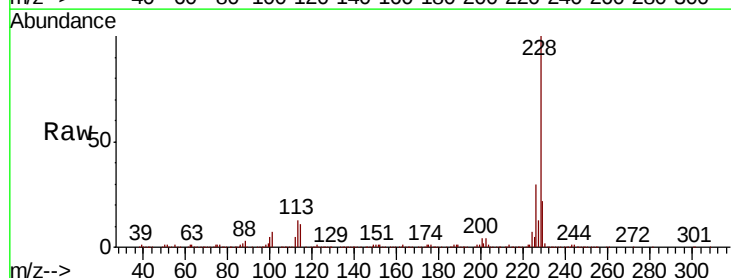
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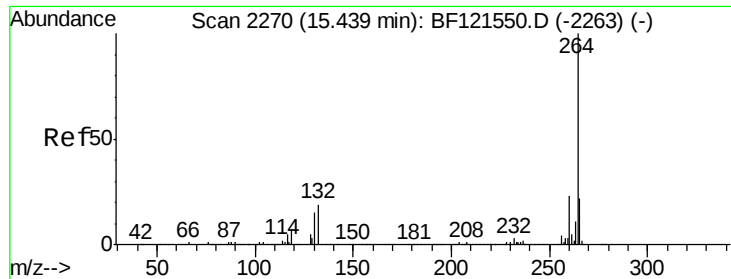
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#83
Chrysene
Concen: 18.846 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	22.1	15.9	23.9





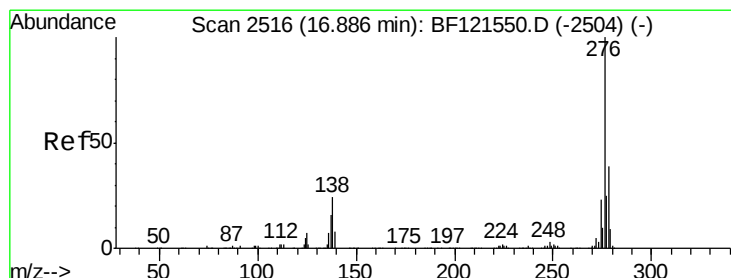
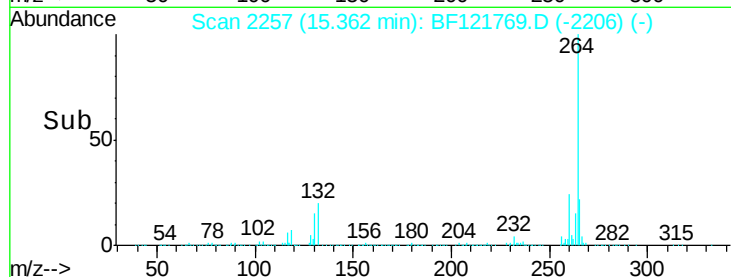
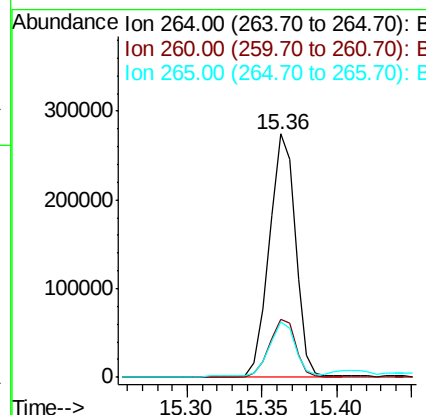
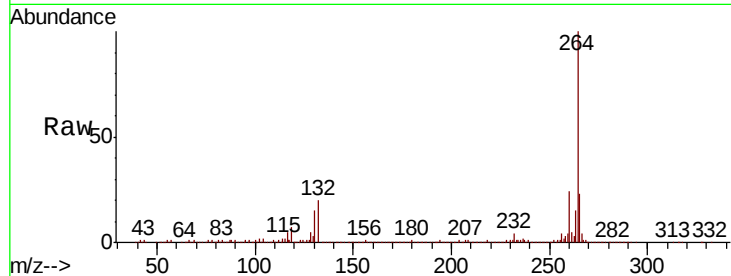
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.5	17.3	25.9

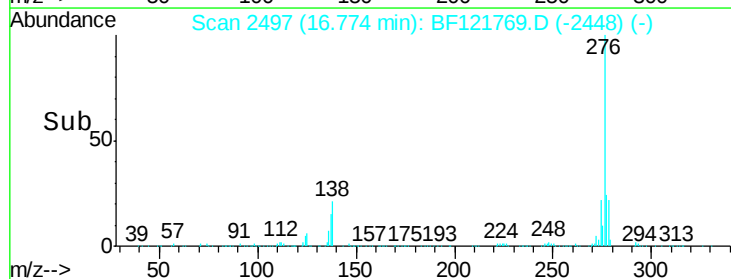
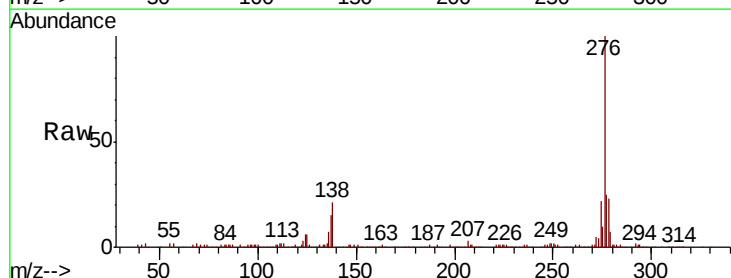
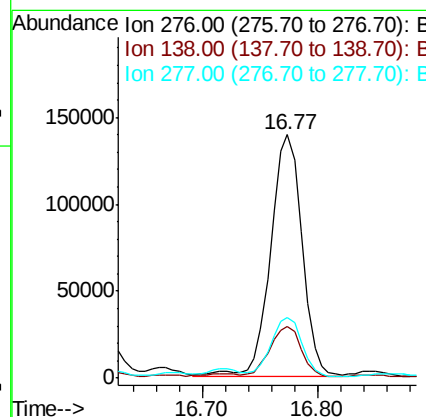
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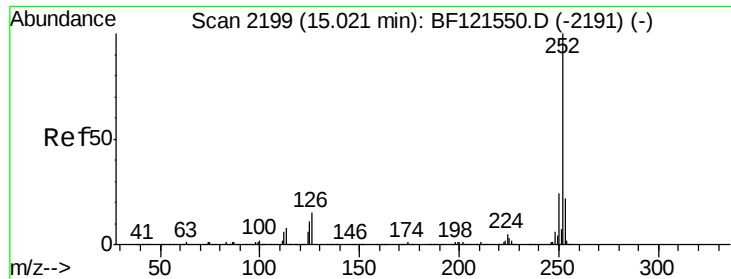
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#87
Indeno(1,2,3-cd)pyrene
Concen: 12.235 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.9	29.9
277	23.9	20.4	30.6





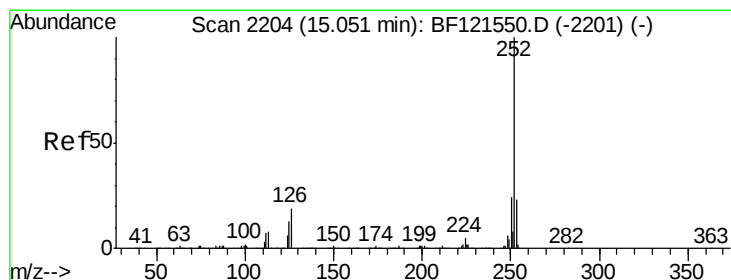
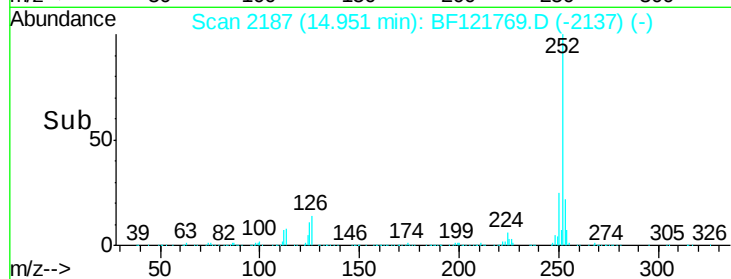
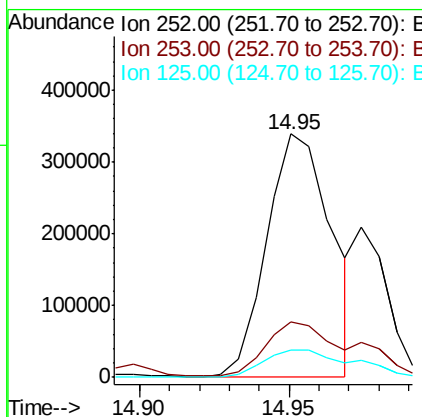
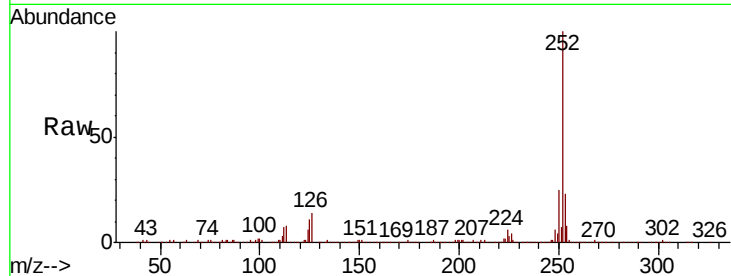
#88
Benzo(b)fluoranthene
Concen: 22.747 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

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

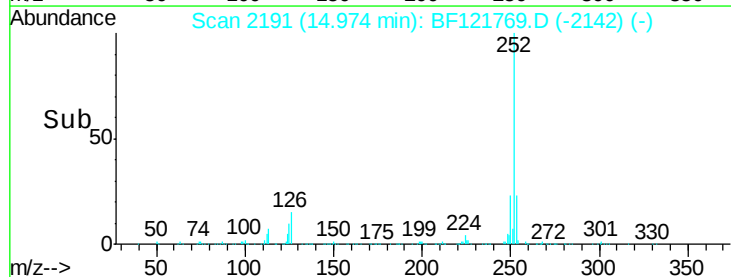
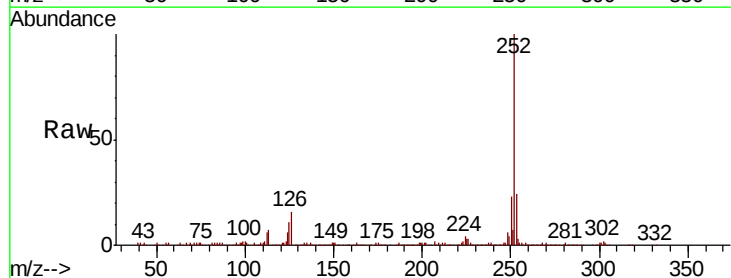
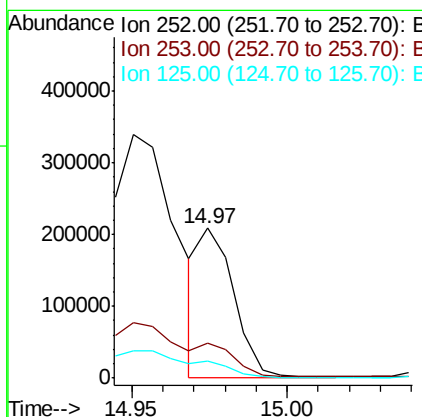
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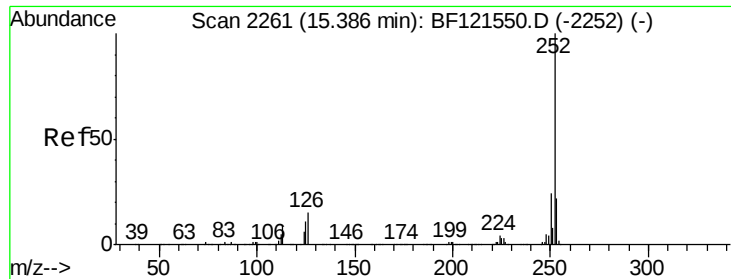
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#89
Benzo(k)fluoranthene
Concen: 7.976 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

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





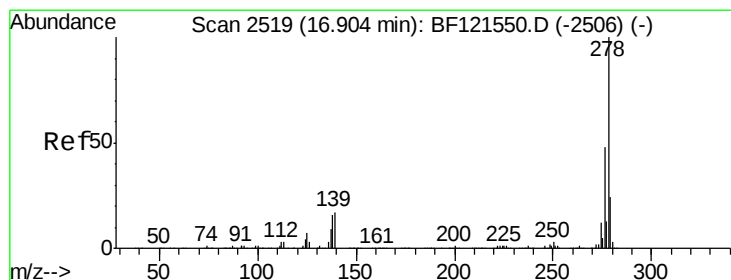
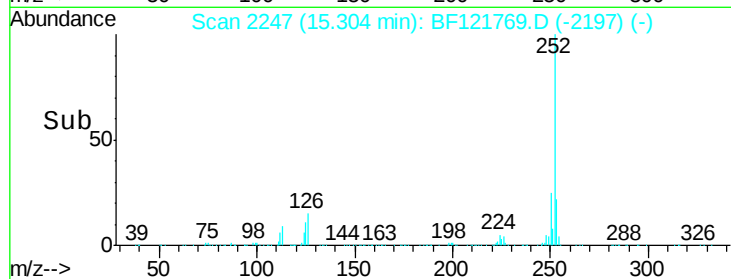
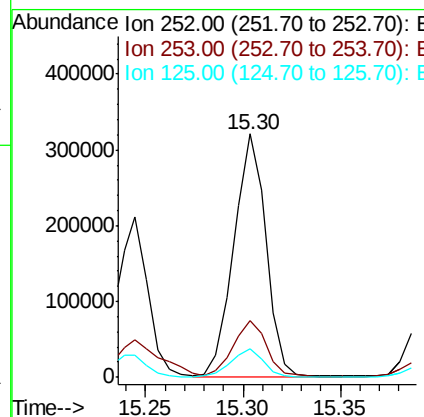
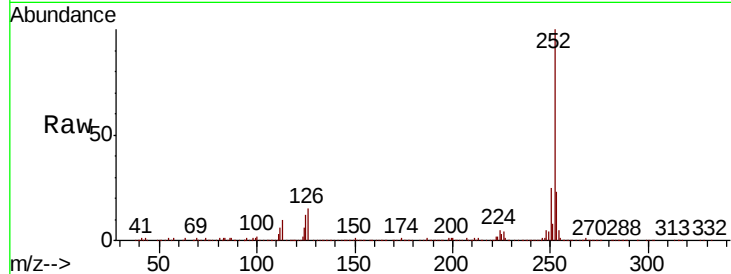
#90
Benzo(a)pyrene
Concen: 19.197 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Instrument :
BNA_F
ClientSampleId :
B-6(11-13)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.8	8.6	13.0

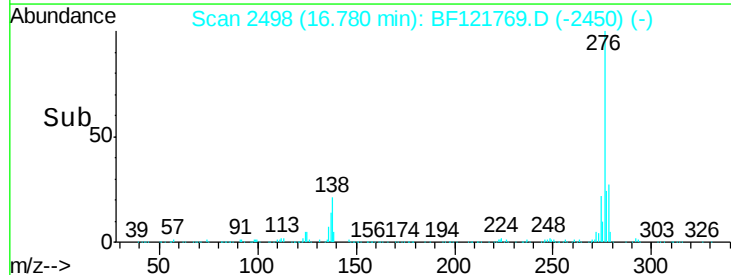
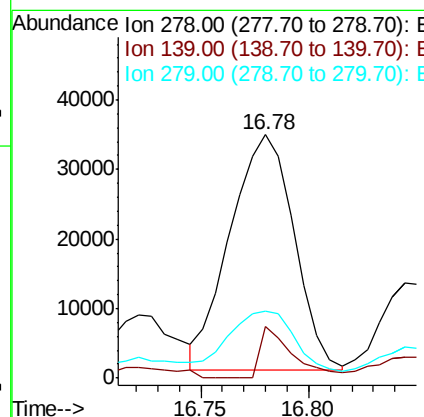
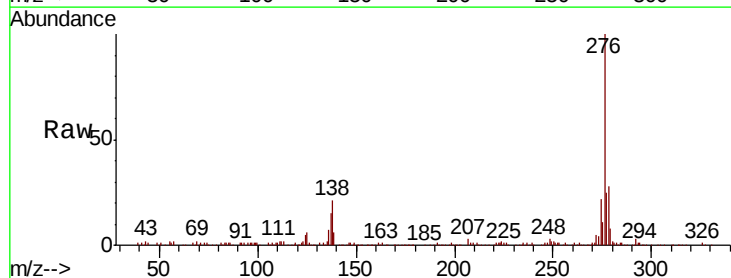
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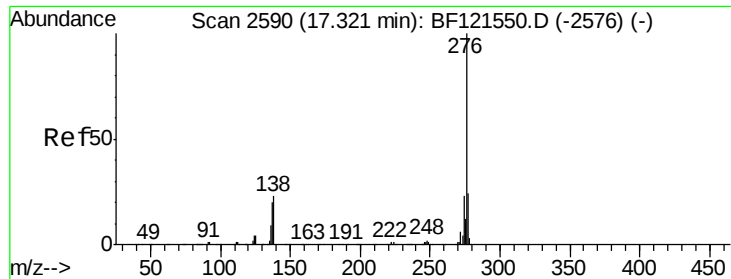
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#91
Dibenzo(a,h)anthracene
Concen: 3.866 ng m
RT: 16.78 min Scan# 2498
Delta R.T. -0.02 min
Lab File: BF121769.D
Acq: 1 Oct 2020 16:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.1	13.0	19.4#
279	27.3	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 13.893 ng
 RT: 17.20 min Scan# 2569
 Delta R.T. -0.01 min
 Lab File: BF121769.D
 Acq: 1 Oct 2020 16:10

Instrument :
 BNA_F
 ClientSampleId :
 B-6(11-13)DL

Tot Ion:	276	Resp:	247369
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.4	29.2
138	22.1	17.8	26.6

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