

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121790.D
 Acq On : 2 Oct 2020 13:05
 Operator : JU/CG
 Sample : L4193-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 10/5/2020 10:27:19 AM

Quant Time: Oct 02 14:07:47 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	6.76	152	146748	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	571673	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	298025	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	561235	20.00	ng	0.00
76) Chrysene-d12	13.92	240	375820	20.00	ng	-0.01
86) Perylene-d12	15.36	264	317897	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	203811	20.64	ng	0.00
7) Phenol-d6	6.40	99	269194	20.78	ng	-0.02
23) Nitrobenzene-d5	7.32	82	179666	16.87	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	75317	20.33	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	315135	16.01	ng	-0.02
79) Terphenyl-d14	12.86	244	316922	17.08	ng	-0.02
Target Compounds						
31) Naphthalene	8.06	128	68899	2.283	ng	Qvalue 100
52) Acenaphthene	9.83	154	88778	4.866	ng	98
55) Dibenzofuran	10.00	168	78167	3.042	ng	96
58) Fluorene	10.35	166	102569	5.220	ng	99
71) Phenanthrene	11.31	178	1148582	37.562	ng	99
72) Anthracene	11.36	178	335692	10.638	ng	98
73) Carbazole	11.52	167	128031	4.496	ng	98
75) Fluoranthene	12.50	202	1496036	45.831	ng	98
78) Pyrene	12.73	202	1231962	44.866	ng	100
81) Benzo(a)anthracene	13.91	228	615484	25.887	ng	99
83) Chrysene	13.94	228	492671	20.463	ng	97
87) Indeno(1,2,3-cd)pyrene	16.76	276	275746	13.319	ng	97
88) Benzo(b)fluoranthene	14.94	252	597292m	28.106	ng	
89) Benzo(k)fluoranthene	14.97	252	159338m	8.187	ng	
90) Benzo(a)pyrene	15.30	252	389577	21.566	ng	98
91) Dibenzo(a,h)anthracene	16.77	278	75068m	4.356	ng	
92) Benzo(a,h,i)perylene	17.19	276	260792	15.395	ng	99

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

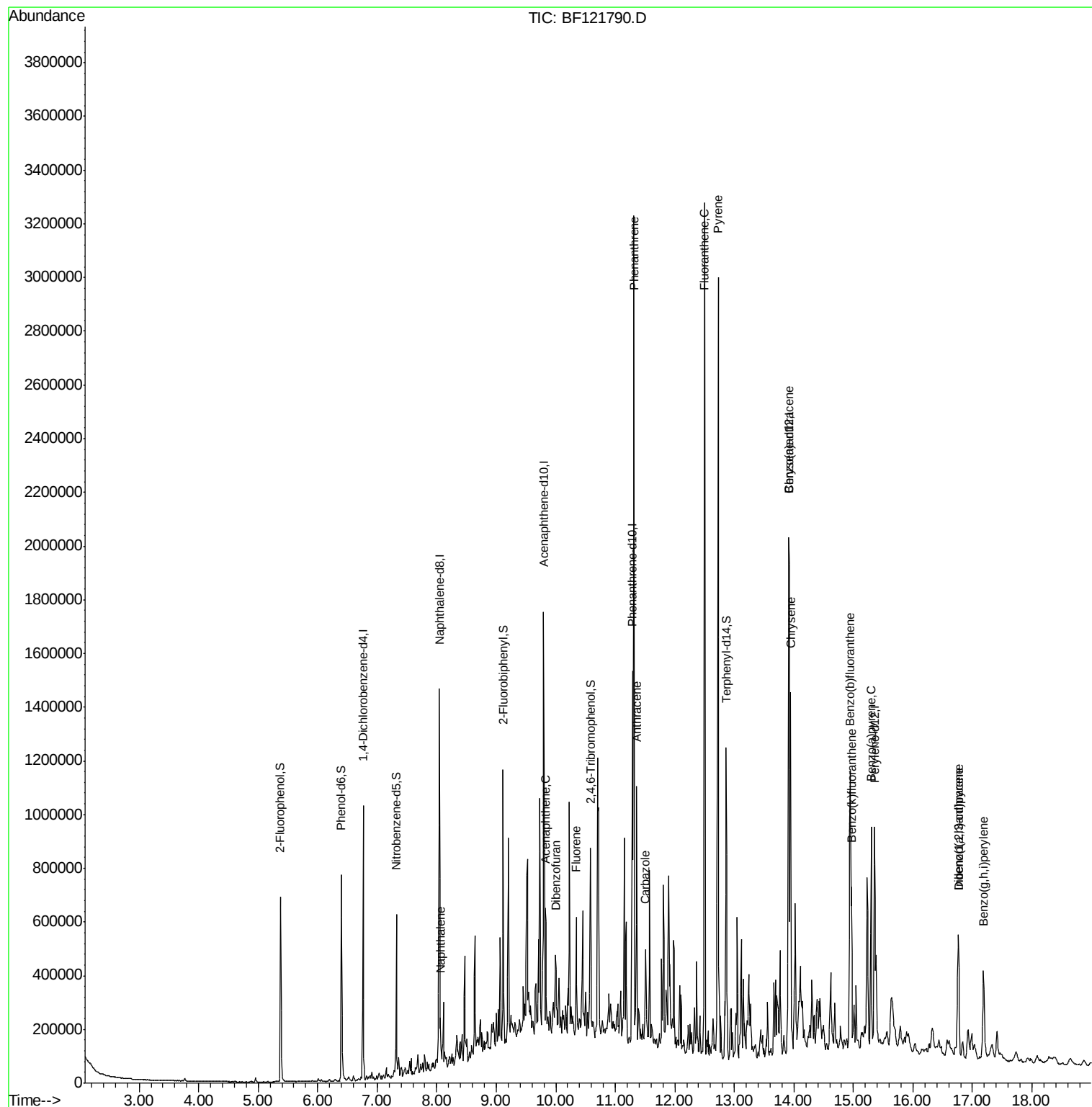
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121790.D
Acq On : 2 Oct 2020 13:05
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ALS Vial : 5 Sample Multiplier: 1

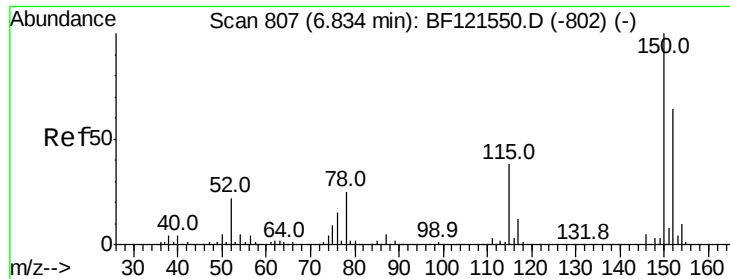
Instrument :
BNA_F
ClientSampleId :
B-13(11-13)DL

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Quant Time: Oct 02 14:07:47 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

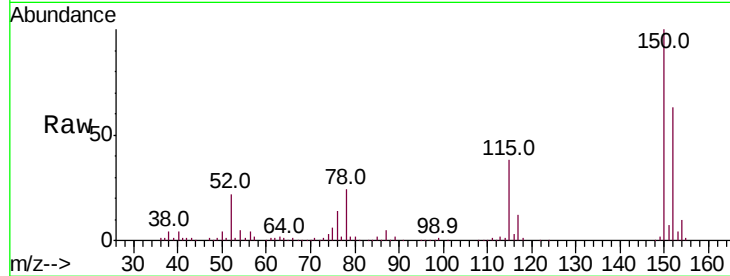
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.3	187.9
115	61.2	51.9	77.9

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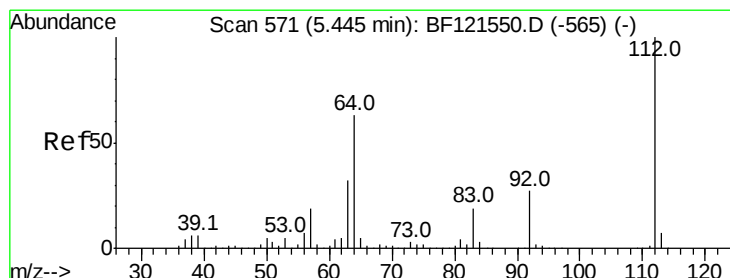
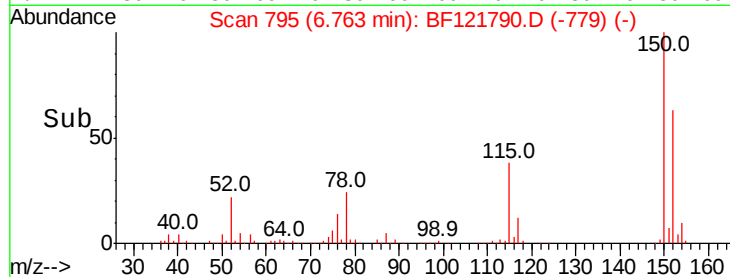
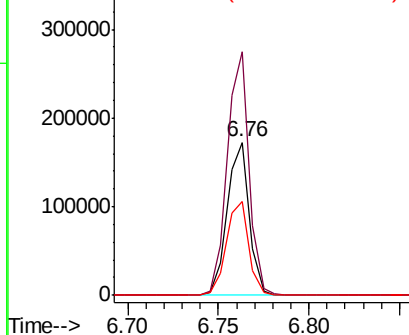


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

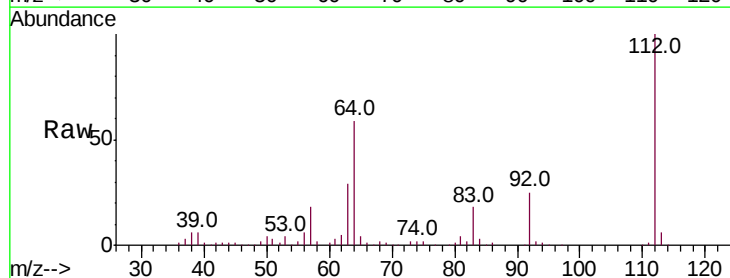
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.640 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	50.4	75.6
63	29.1	25.8	38.6

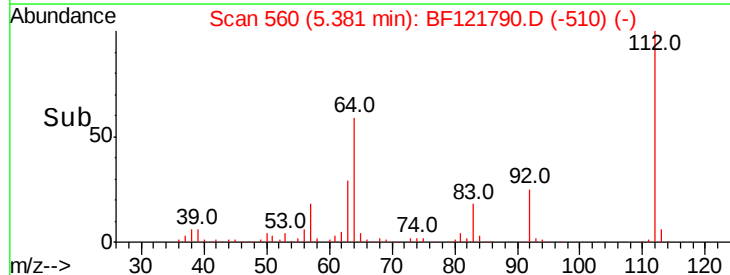
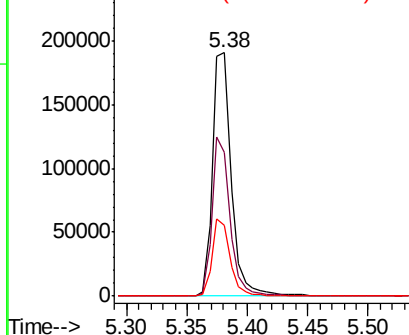


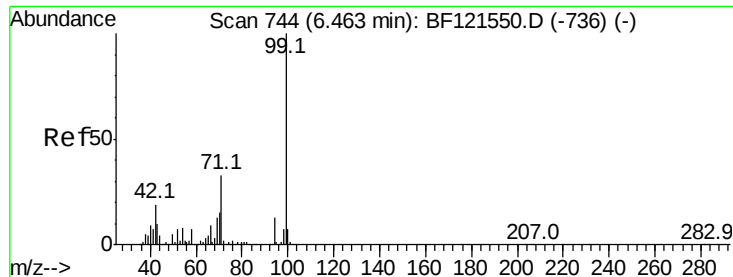
Abundance

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: 20.779 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121790.D

Acq: 2 Oct 2020 13:05

Instrument :

BNA_F

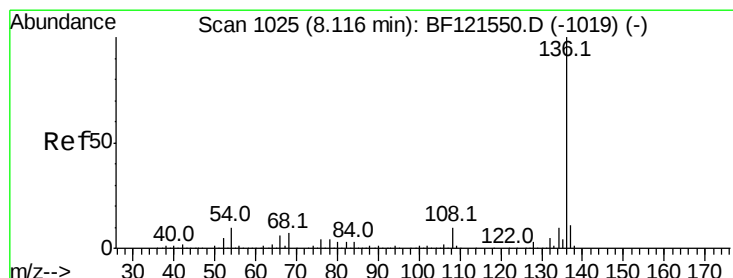
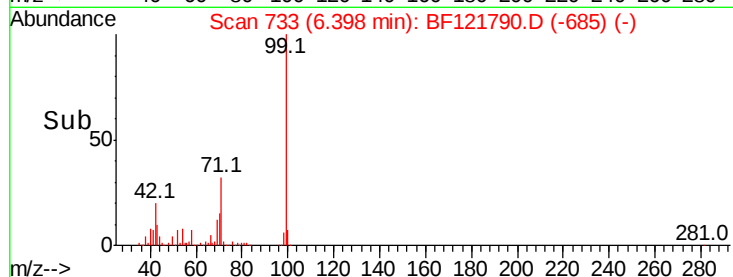
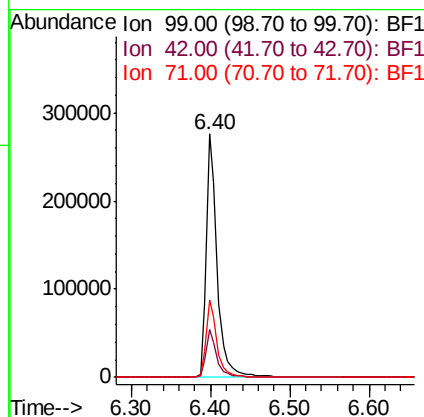
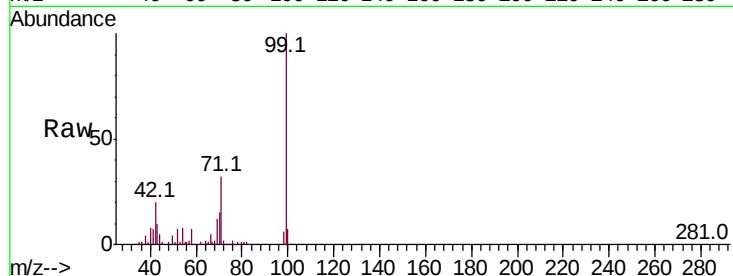
ClientSampleId :

B-13(11-13)DL

Tot Ion:	99	Resp:	269194
Ion Ratio	Lower	Upper	
99	100		
42	19.7	15.9	23.9
71	31.8	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

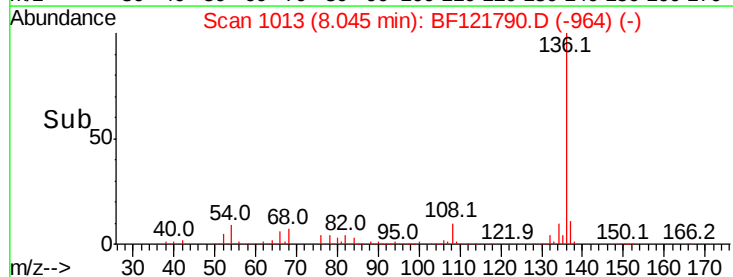
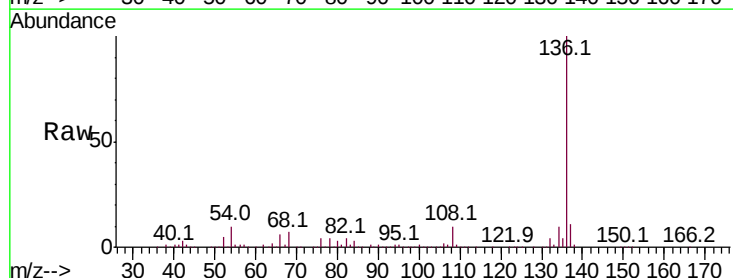
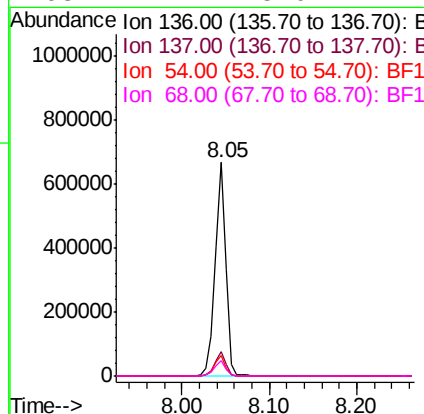
RT: 8.05 min Scan# 1013

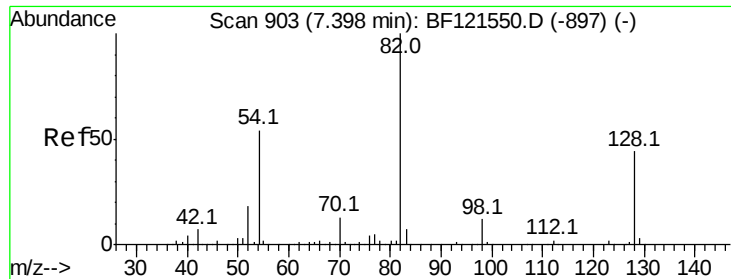
Delta R.T. -0.01 min

Lab File: BF121790.D

Acq: 2 Oct 2020 13:05

Tgt Ion:	136	Resp:	571673
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	9.6	7.1	10.7
68	7.1	5.0	7.4





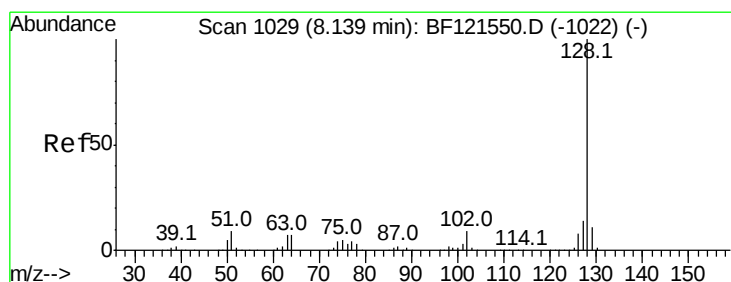
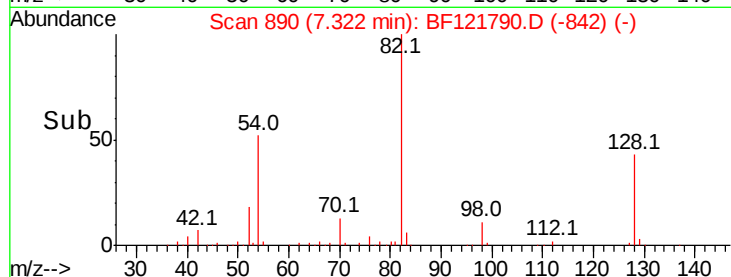
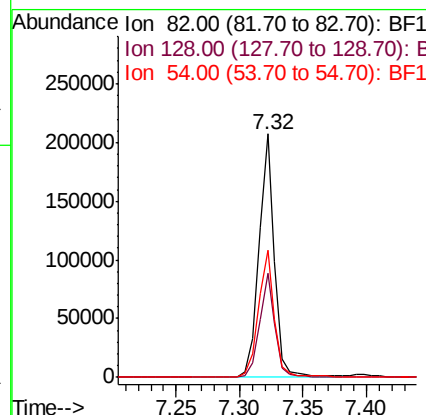
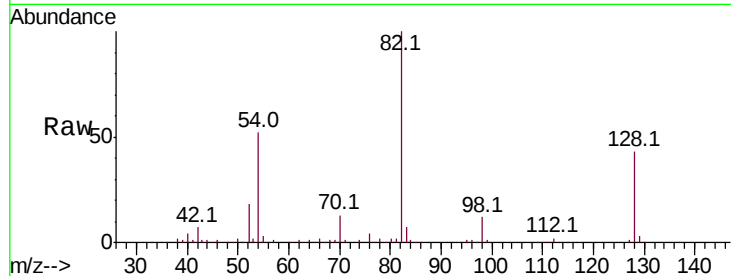
#23
Nitrobenzene-d5
Concen: 16.874 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	179666		
128	42.9	35.0	52.4	
54	52.2	43.9	65.9	

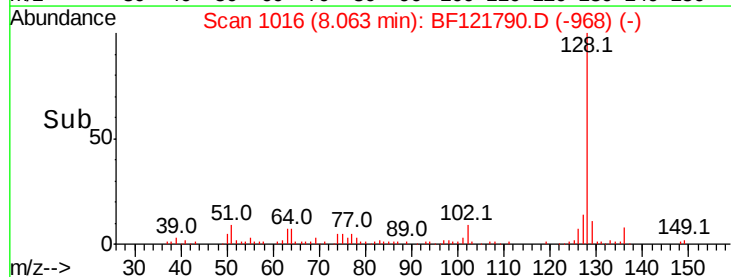
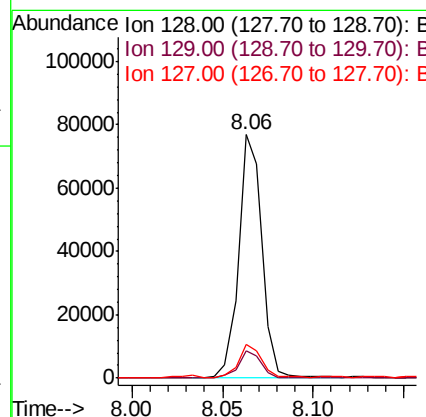
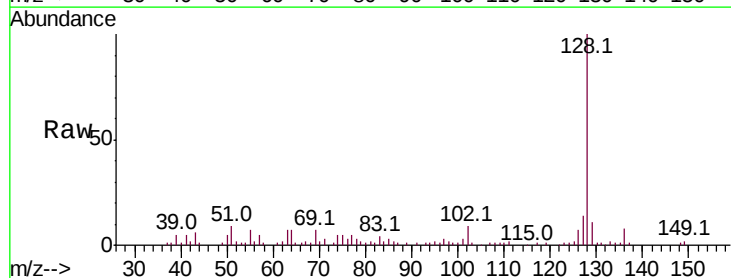
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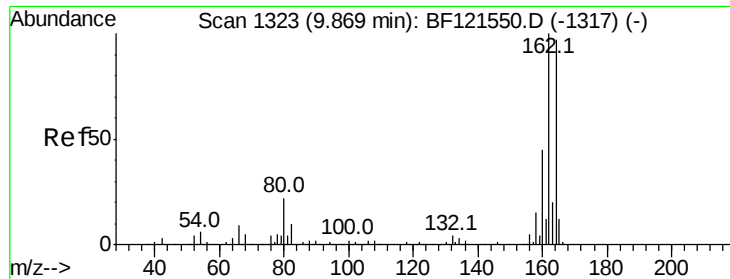
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#31
Naphthalene
Concen: 2.283 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.02 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	68899		
129	11.0	8.7	13.1	
127	13.7	10.8	16.2	





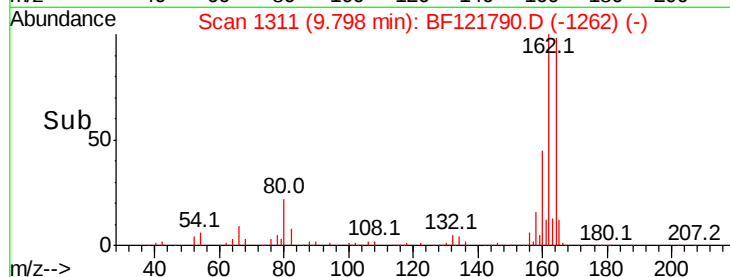
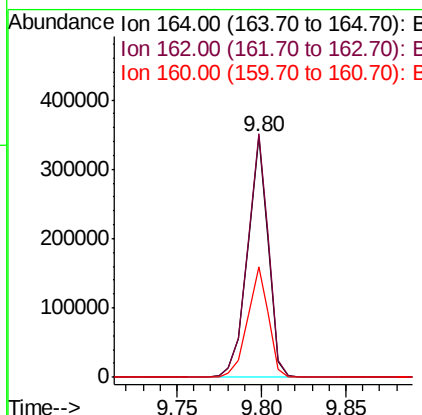
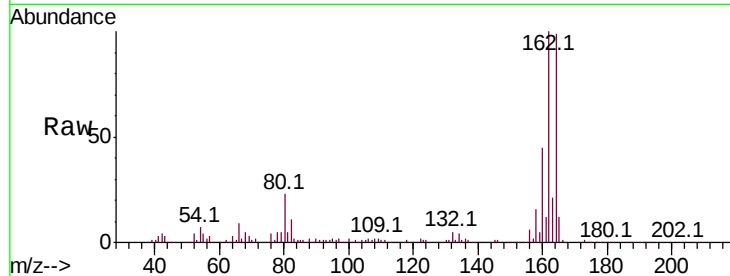
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	83.2	124.8	
160	45.7	37.5	56.3	

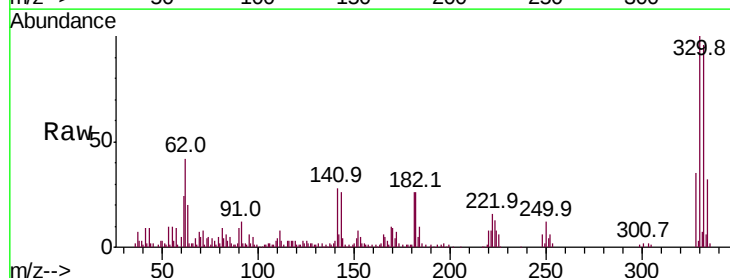
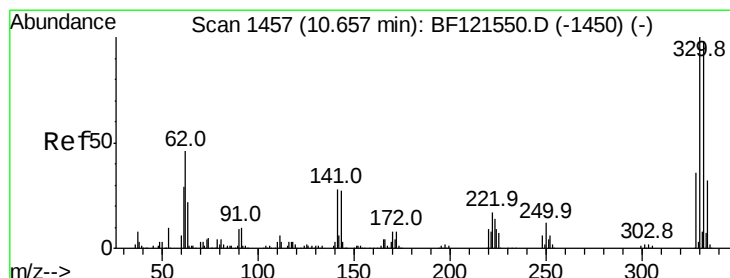
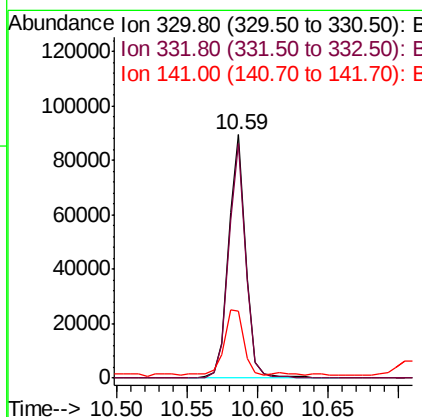
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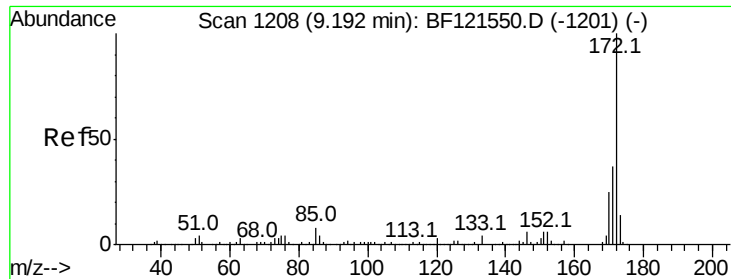
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#42
2,4,6-Tribromophenol
Concen: 20.334 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.3	115.9	
141	30.0	22.3	33.5	





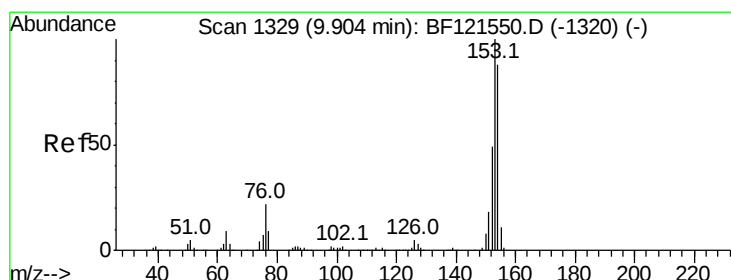
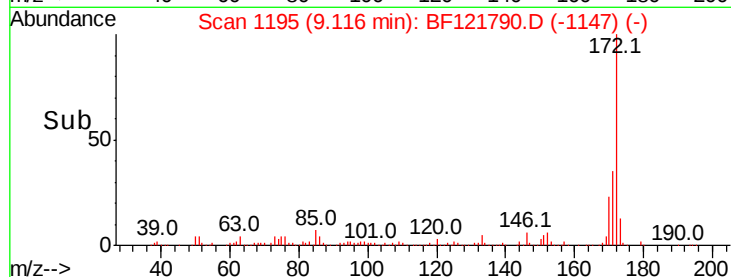
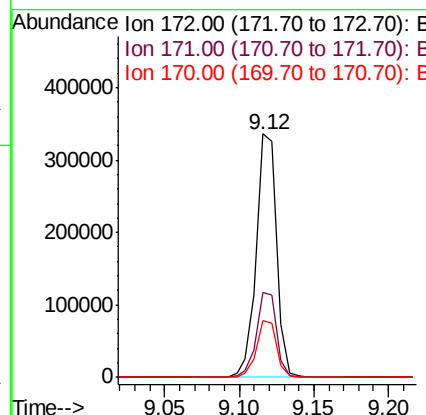
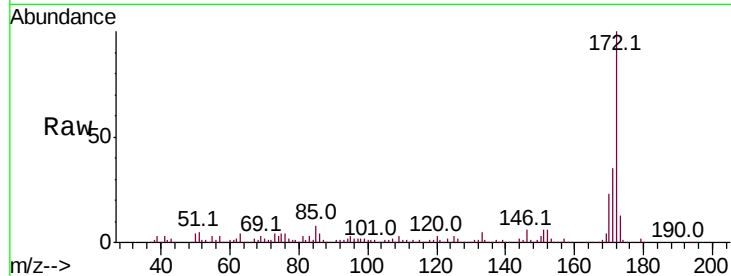
#45
2-Fluorobiphenyl
Concen: 16.015 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.1	43.7	
170	23.3	19.8	29.6	

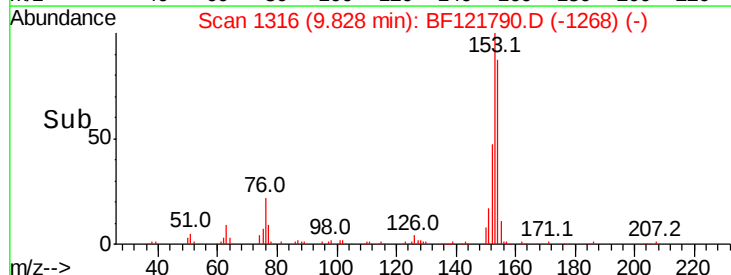
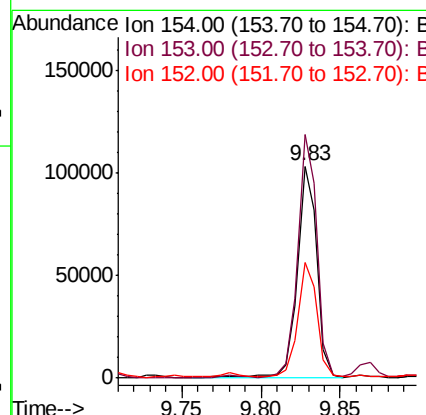
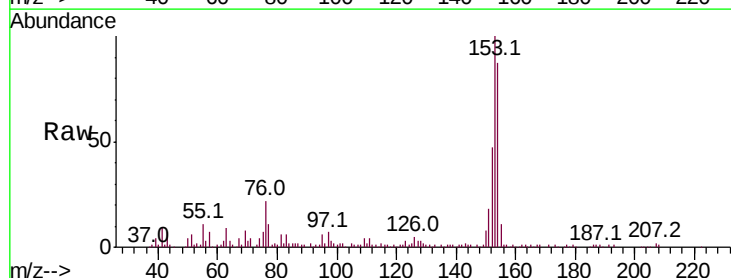
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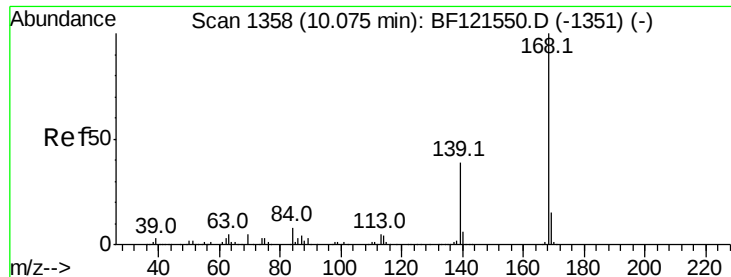
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#52
Acenaphthene
Concen: 4.866 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.8	89.8	134.8	
152	54.2	43.2	64.8	





#55

Dibenzofuran

Concen: 3.042 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF121790.D

Acq: 2 Oct 2020 13:05

Instrument :

BNA_F

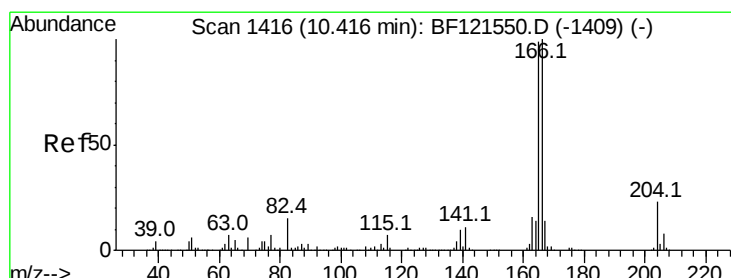
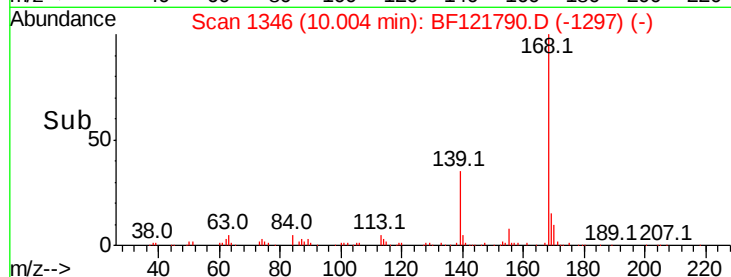
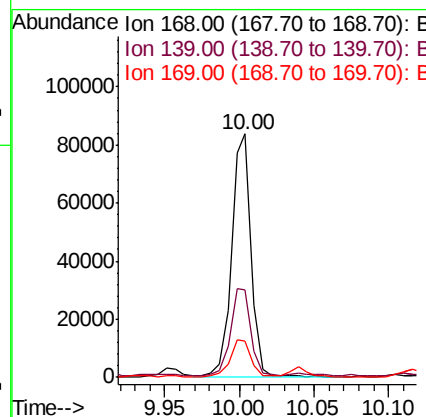
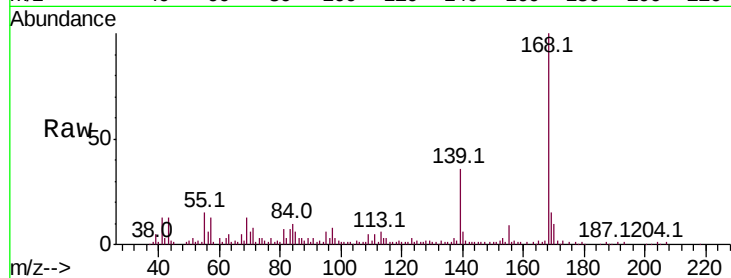
ClientSampleId :

B-13(11-13)DL

Tot Ion:	168	Resp:	78167
Ion Ratio	Lower	Upper	
168	100		
139	36.0	31.0	46.6
169	14.7	11.3	16.9

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#58

Fluorene

Concen: 5.220 ng

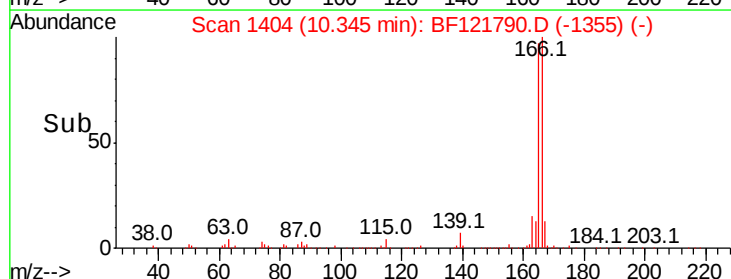
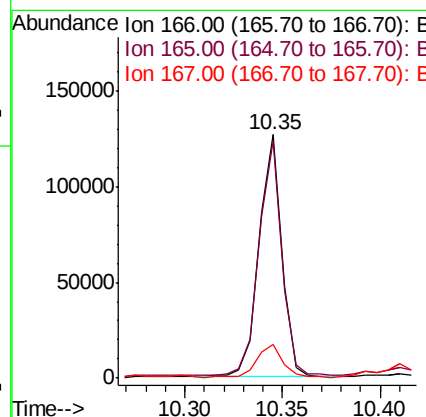
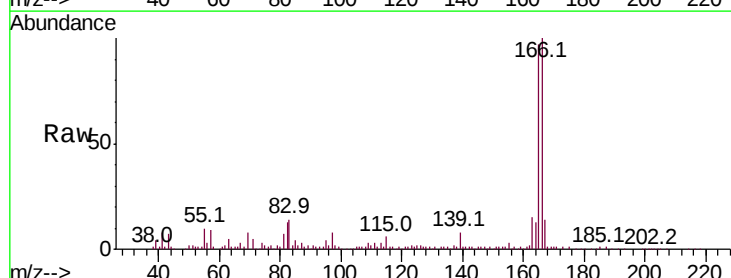
RT: 10.35 min Scan# 1404

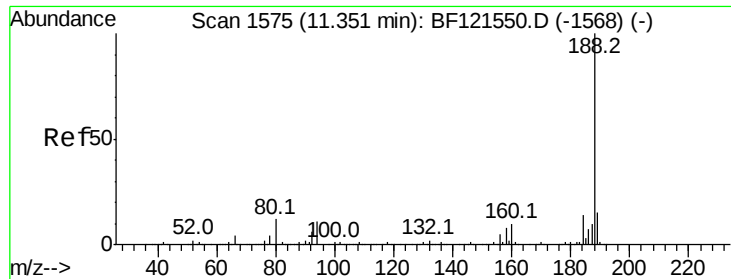
Delta R.T. -0.01 min

Lab File: BF121790.D

Acq: 2 Oct 2020 13:05

Tgt Ion:	166	Resp:	102569
Ion Ratio	Lower	Upper	
166	100		
165	97.2	79.1	118.7
167	13.8	11.0	16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF121790.D

Acq: 2 Oct 2020 13:05

Instrument :

BNA_F

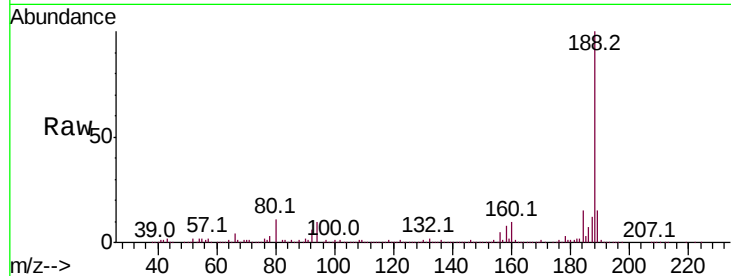
ClientSampleId :

B-13(11-13)DL

Tot Ion:188	Resp: 561235
Ion Ratio	Lower Upper
188 100	
94 10.4	8.3 12.5
80 10.5	9.1 13.7

Manual Integrations
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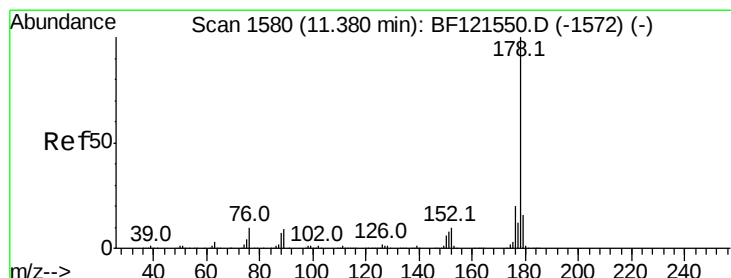
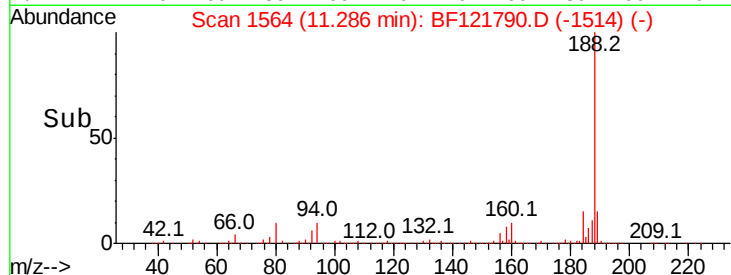
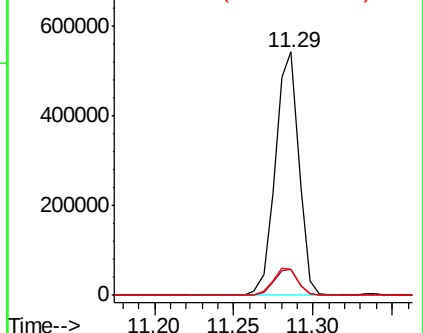
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 37.562 ng

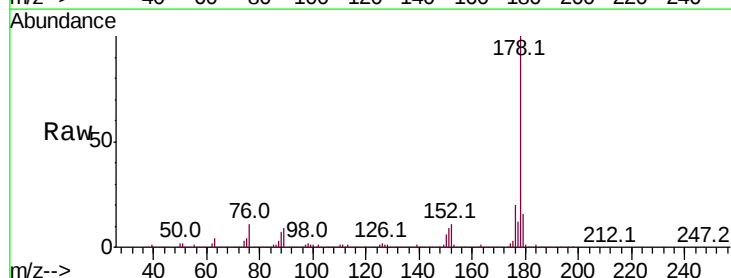
RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF121790.D

Acq: 2 Oct 2020 13:05

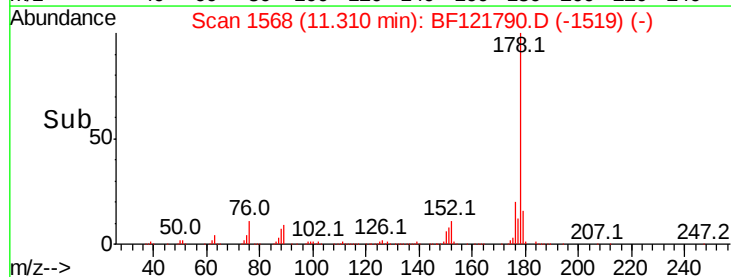
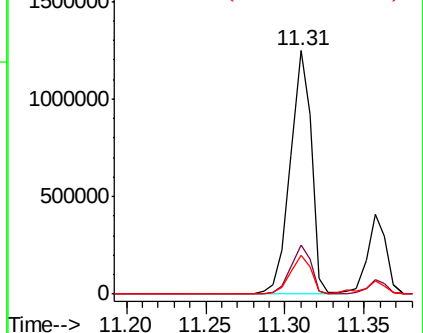
Tgt Ion:178	Resp: 1148582
Ion Ratio	Lower Upper
178 100	
176 20.2	15.9 23.9
179 15.7	12.2 18.4

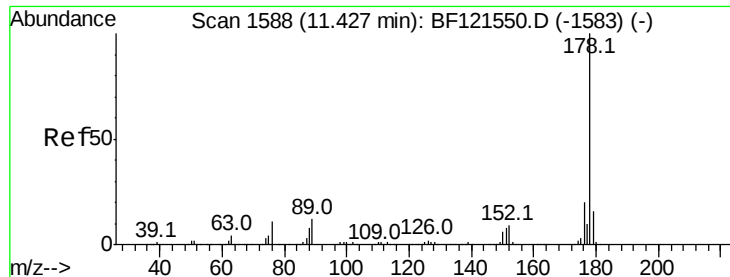


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





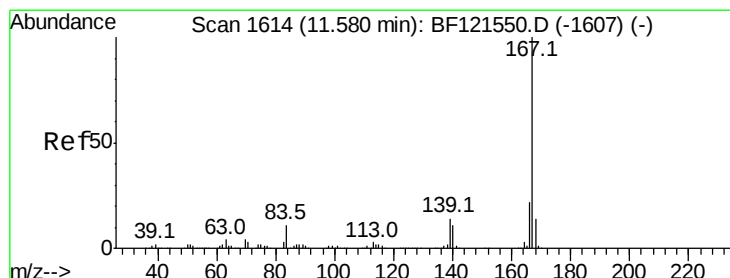
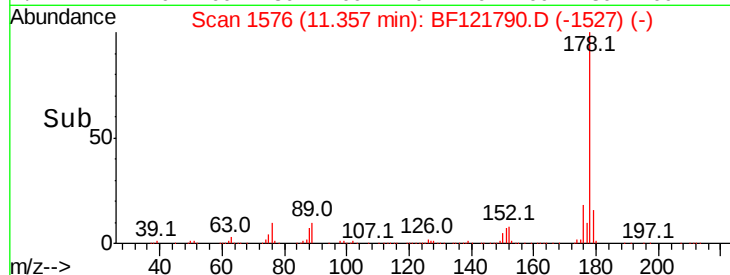
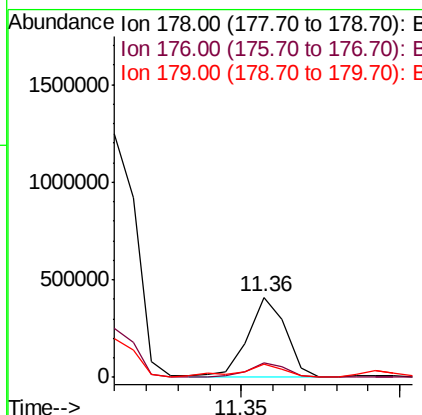
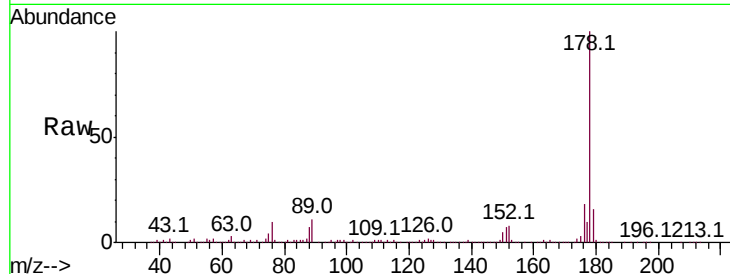
#72
 Anthracene
 Concen: 10.638 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121790.D
 Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.7	23.5
179	15.8	12.7	19.1

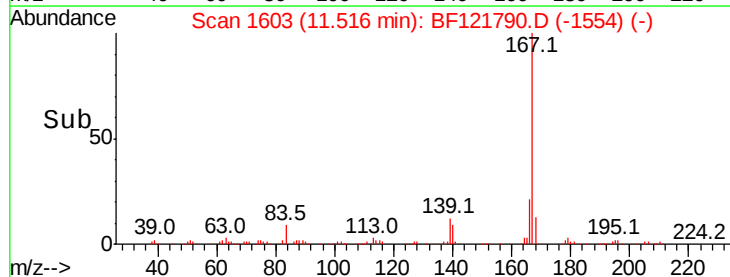
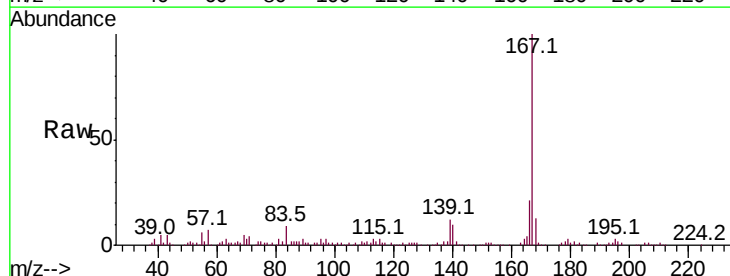
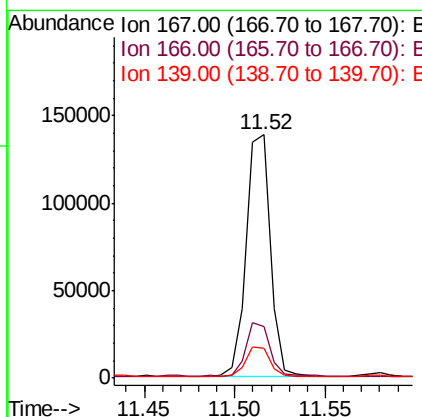
Manual Integrations
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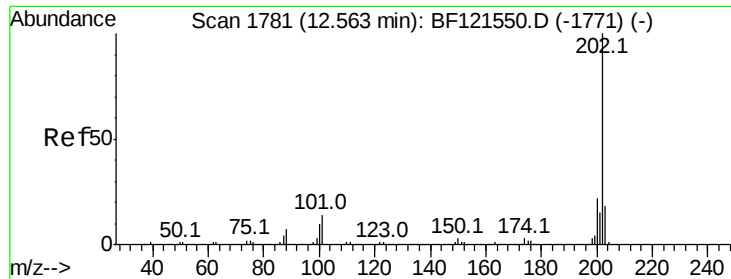
mohammad
 10/5/2020 10:27:19 AM



#73
 Carbazole
 Concen: 4.496 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF121790.D
 Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.6
139	12.4	10.8	16.2





#75

Fluoranthene

Concen: 45.831 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121790.D

Acq: 2 Oct 2020 13:05

Instrument :

BNA_F

ClientSampleId :

B-13(11-13)DL

Tot Ion:202 Resp: 1496036

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.4

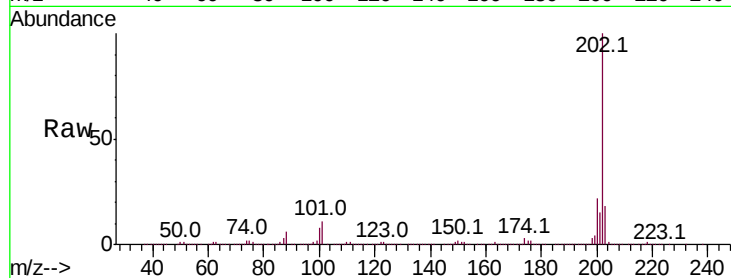
203 17.7 0.0 37.9

Manual Integrations

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mohammad

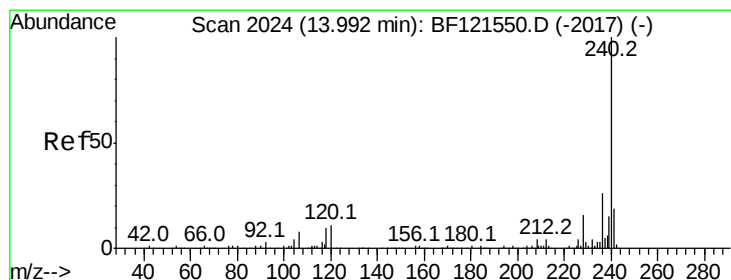
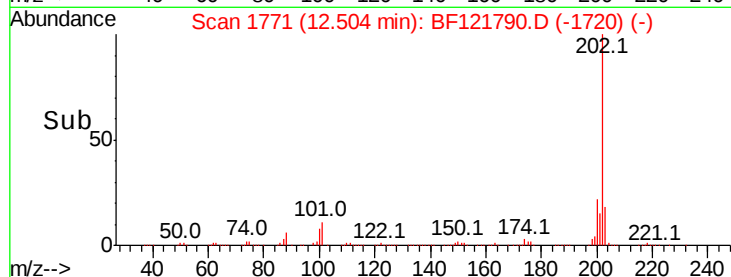
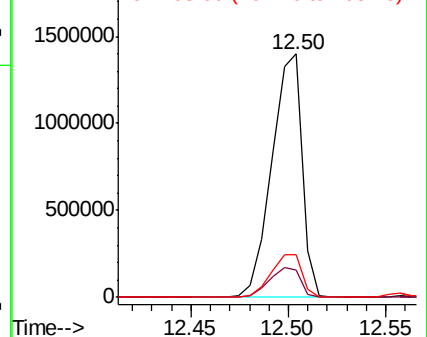
10/5/2020 10:27:19 AM



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: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF121790.D

Acq: 2 Oct 2020 13:05

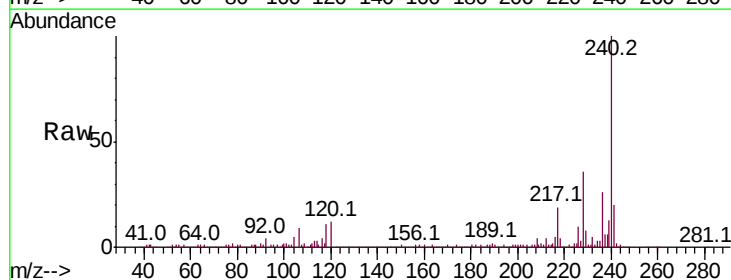
Tgt Ion:240 Resp: 375820

Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

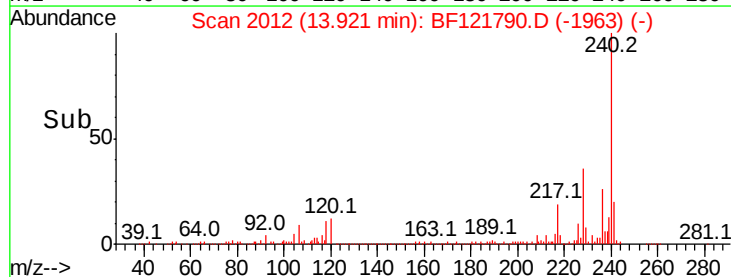
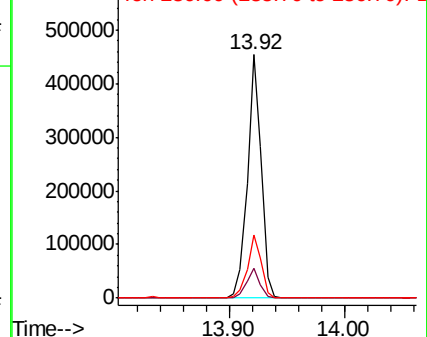
236 26.0 20.9 31.3

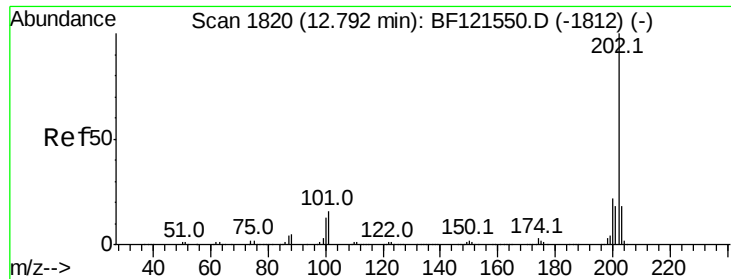


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





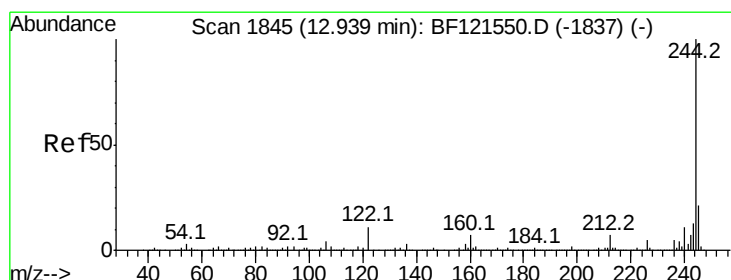
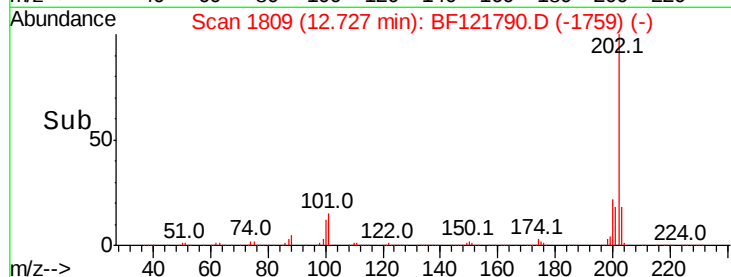
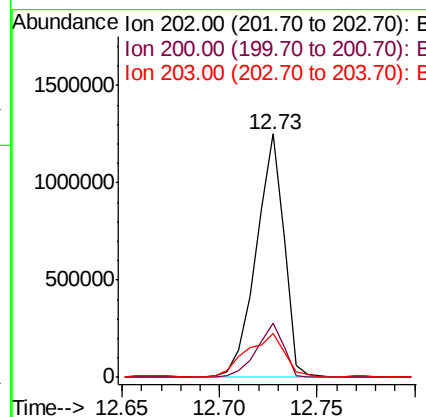
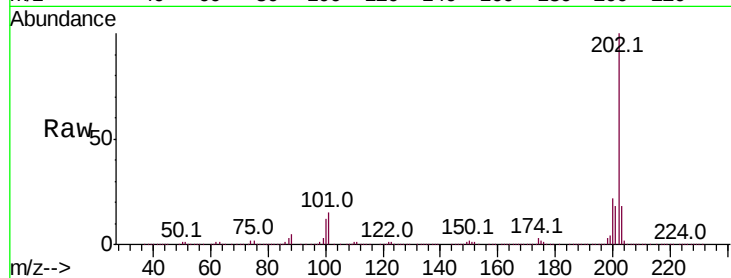
#78
Pvrene
Concen: 44.866 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.2	14.6	21.8

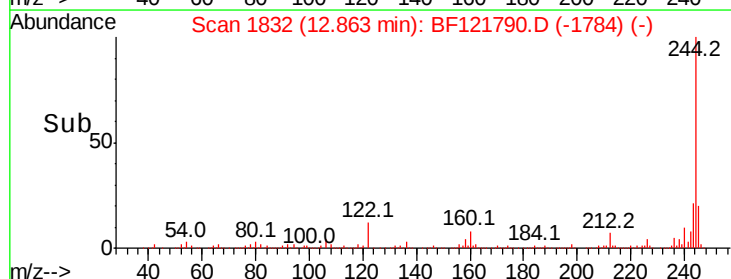
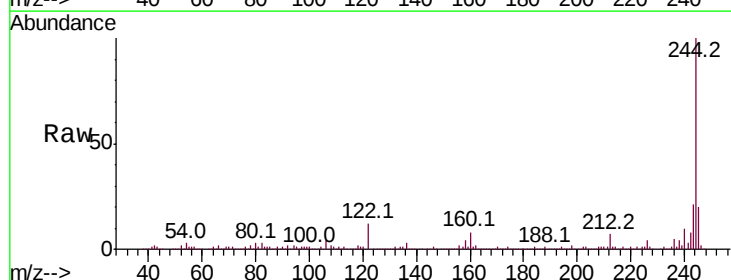
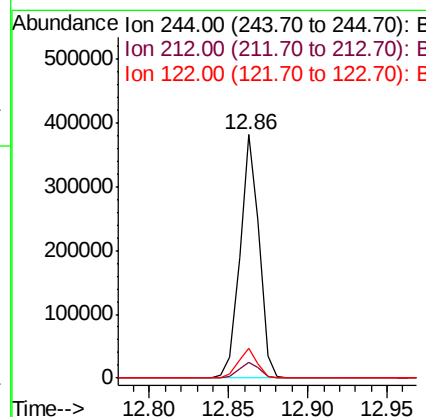
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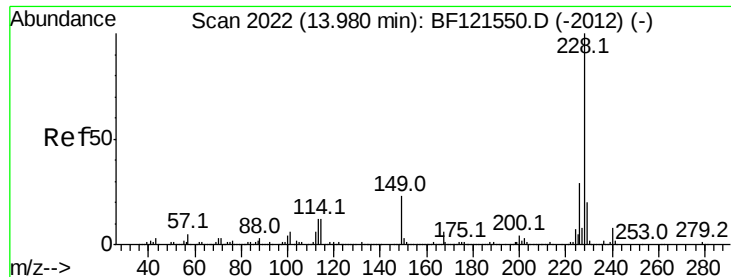
mohammad
10/5/2020 10:27:19 AM



#79
Terphenyl-d14
Concen: 17.084 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	12.1	8.1	12.1#





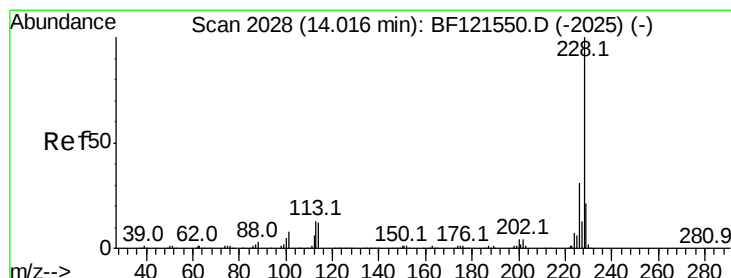
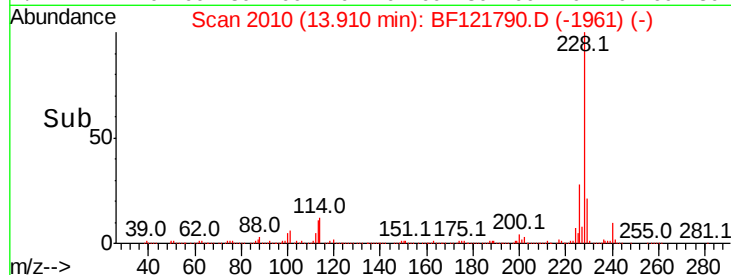
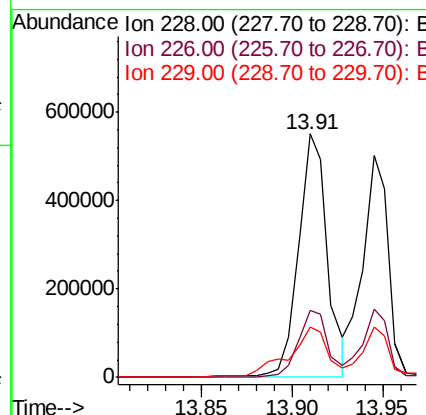
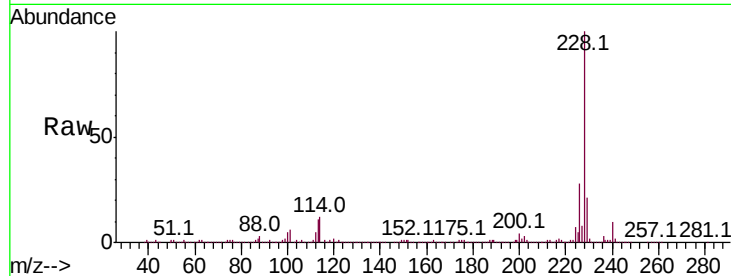
#81
Benzo(a)anthracene
Concen: 25.887 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.3	33.5
229	20.9	16.2	24.4

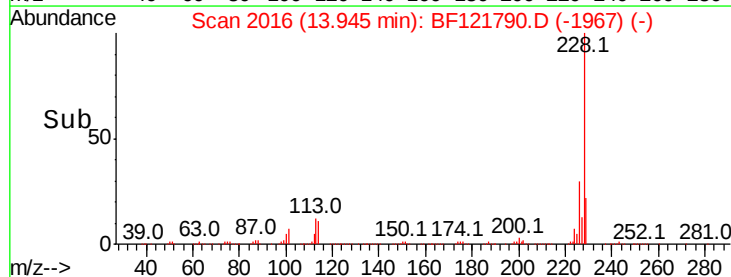
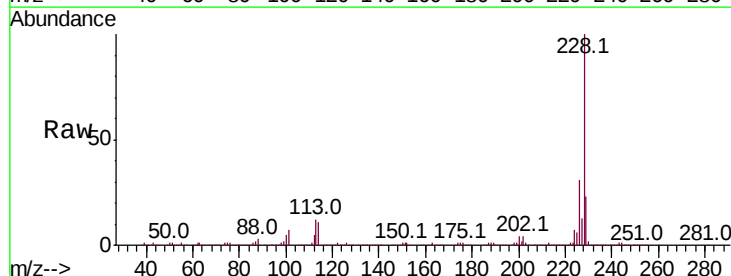
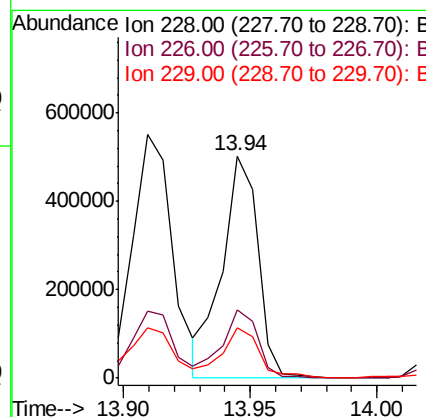
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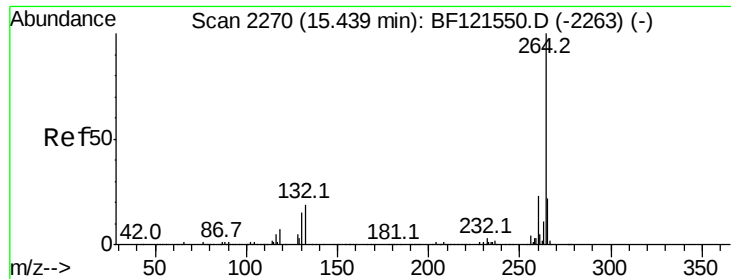
mohammad
10/5/2020 10:27:19 AM



#83
Chrysene
Concen: 20.463 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	22.8	15.9	23.9





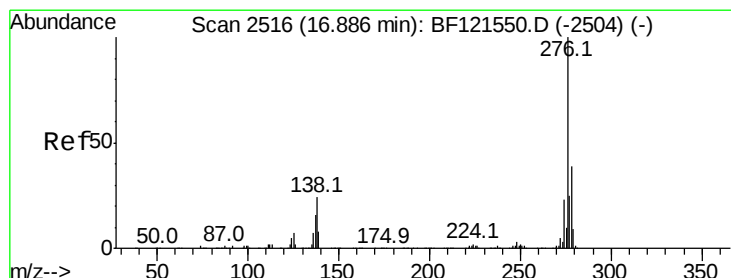
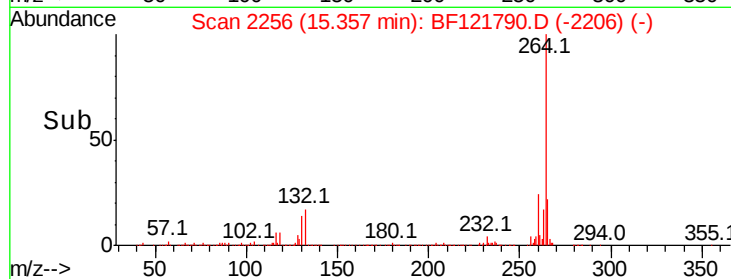
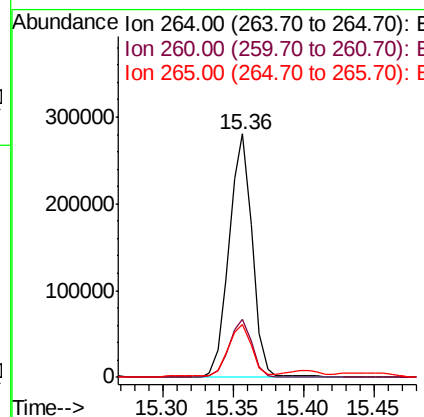
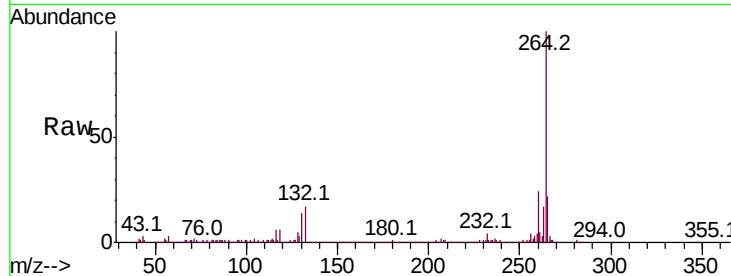
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.8	17.3	25.9

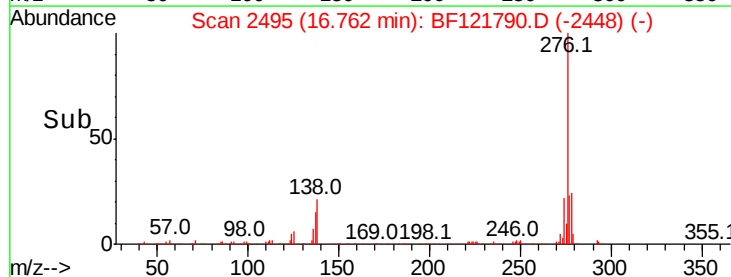
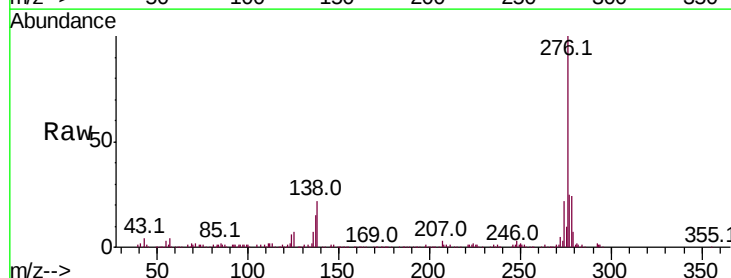
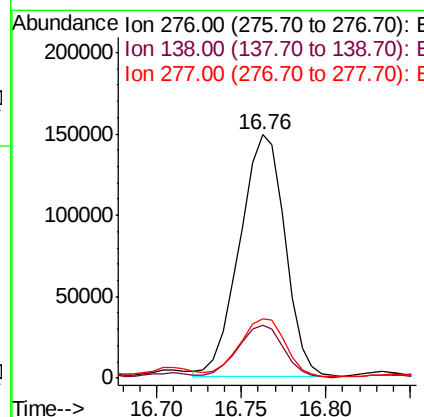
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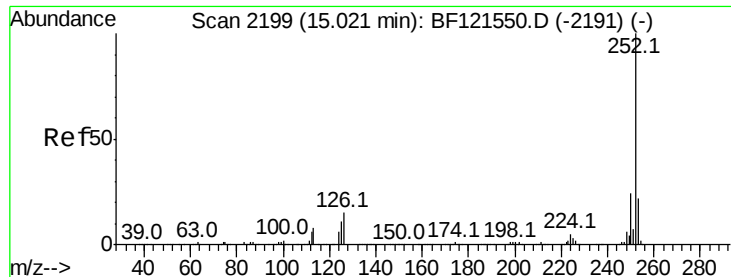
mohammad
10/5/2020 10:27:19 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.319 ng
RT: 16.76 min Scan# 2495
Delta R.T. -0.02 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	19.9	29.9
277	25.0	20.4	30.6





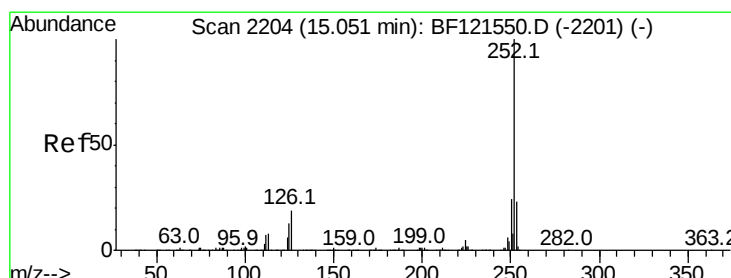
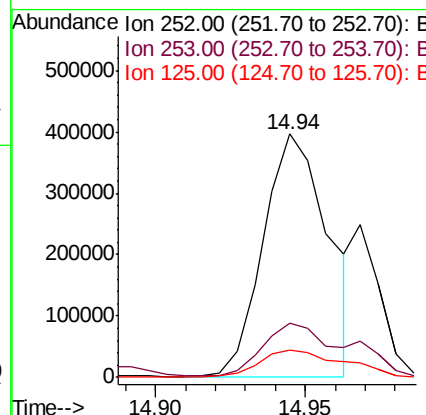
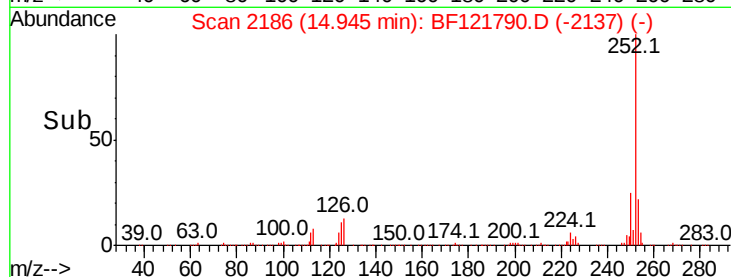
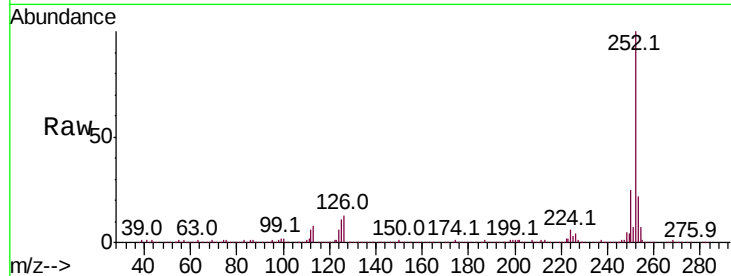
#88
Benzo(b)fluoranthene
Concen: 28.106 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.0	8.0	12.0

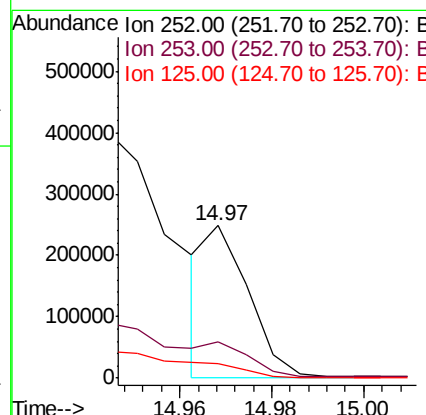
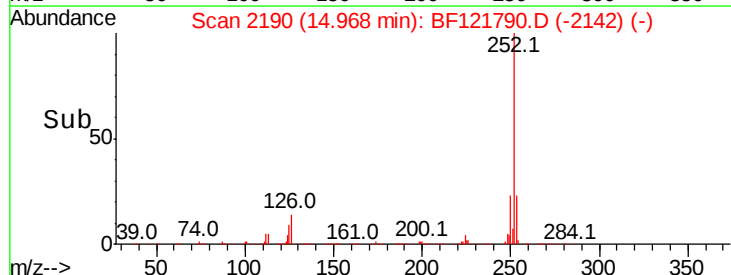
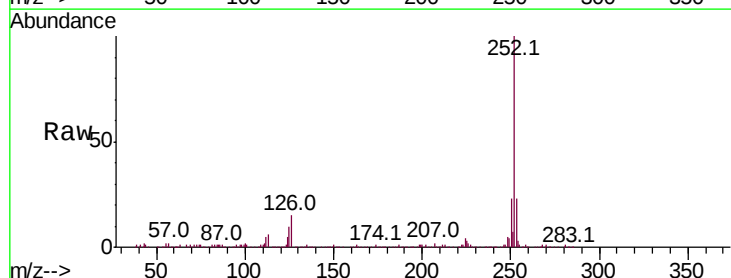
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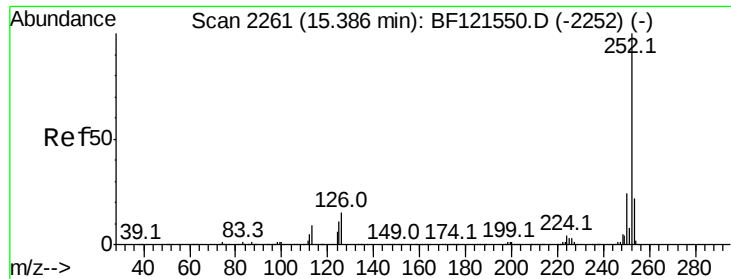
mohammad
10/5/2020 10:27:19 AM



#89
Benzo(k)fluoranthene
Concen: 8.187 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	9.8	7.7	11.5





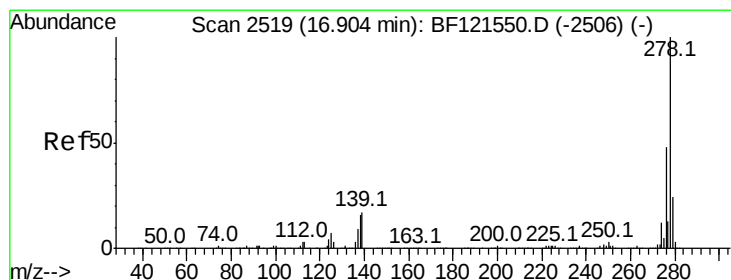
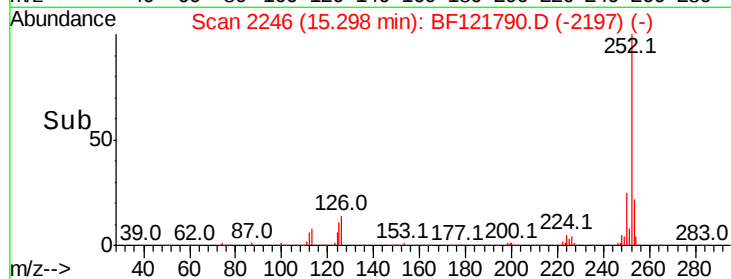
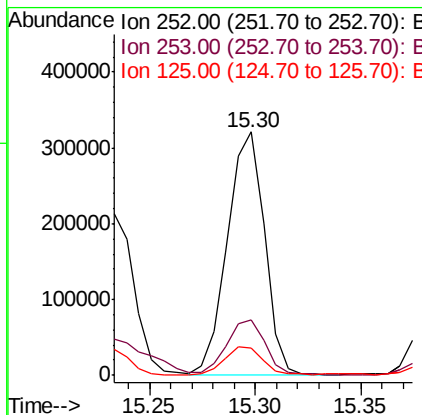
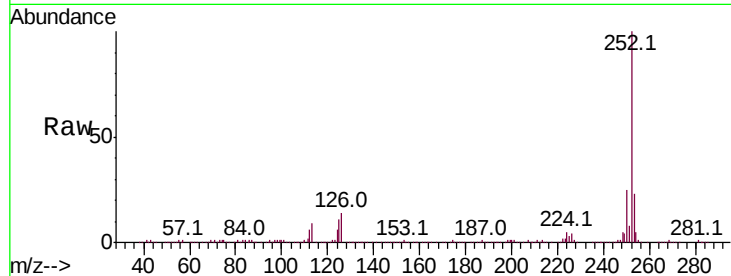
#90
Benzo(a)pyrene
Concen: 21.566 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.0	8.6	13.0

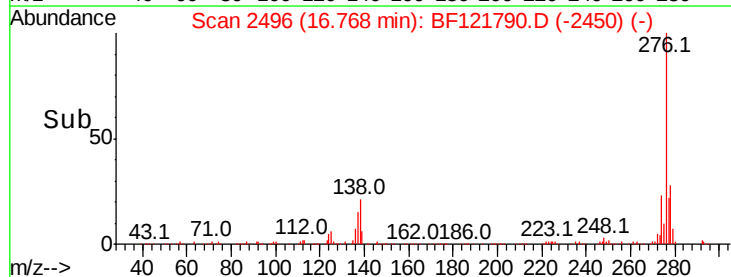
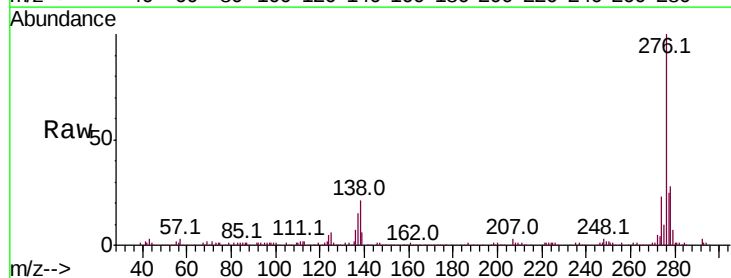
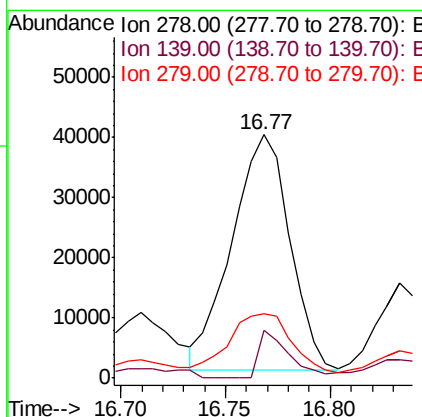
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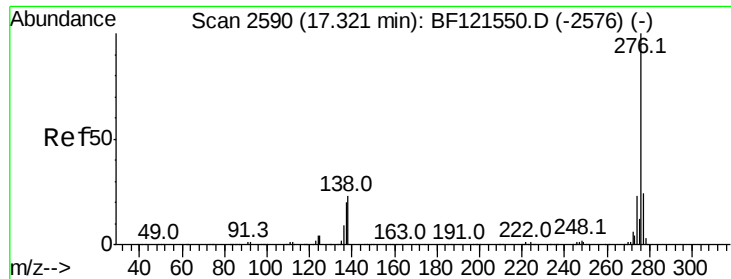
mohammad
10/5/2020 10:27:19 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.356 ng m
RT: 16.77 min Scan# 2496
Delta R.T. -0.03 min
Lab File: BF121790.D
Acq: 2 Oct 2020 13:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.0	19.4#
279	26.6	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 15.395 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. -0.02 min
 Lab File: BF121790.D
 Acq: 2 Oct 2020 13:05

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

Tot Ion:	276	Resp:	260792
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.4	29.2
138	21.0	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 10/5/2020 10:27:19 AM

