

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121793.D
 Acq On : 2 Oct 2020 14:38
 Operator : JU/CG
 Sample : L4198-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-10

Manual Integrations
 APPROVED

mohammad
 10/5/2020 10:27:21 AM

Quant Time: Oct 02 16:07:13 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	132086	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	523763	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	266843	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	463605	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	298331	20.00	ng	-0.02
86) Perylene-d12	15.36	264	275074	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	814013	91.59	ng	0.00
7) Phenol-d6	6.40	99	1032406	88.54	ng	-0.01
23) Nitrobenzene-d5	7.33	82	715382	73.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	299548	90.32	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1226075	69.59	ng	-0.01
79) Terphenyl-d14	12.87	244	1074298	72.95	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.52	163	154777	8.003	ng	99
71) Phenanthrene	11.30	178	100506	3.979	ng	97
75) Fluoranthene	12.49	202	197333	7.318	ng	98
78) Pyrene	12.72	202	192580	8.835	ng	98
81) Benzo(a)anthracene	13.91	228	96691	5.123	ng	98
83) Chrysene	13.94	228	96924	5.071	ng	97
84) Bis(2-ethylhexyl)phthalate	13.90	149	24013	2.039	ng	100
87) Indeno(1,2,3-cd)pyrene	16.76	276	52027	2.904	ng	96
88) Benzo(b)fluoranthene	14.94	252	114729m	6.239	ng	
89) Benzo(k)fluoranthene	14.97	252	40663m	2.415	ng	
90) Benzo(a)pyrene	15.29	252	74495	4.766	ng	# 96
92) Benzo(a,h,i)perylene	17.18	276	50284	3.430	ng	95

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

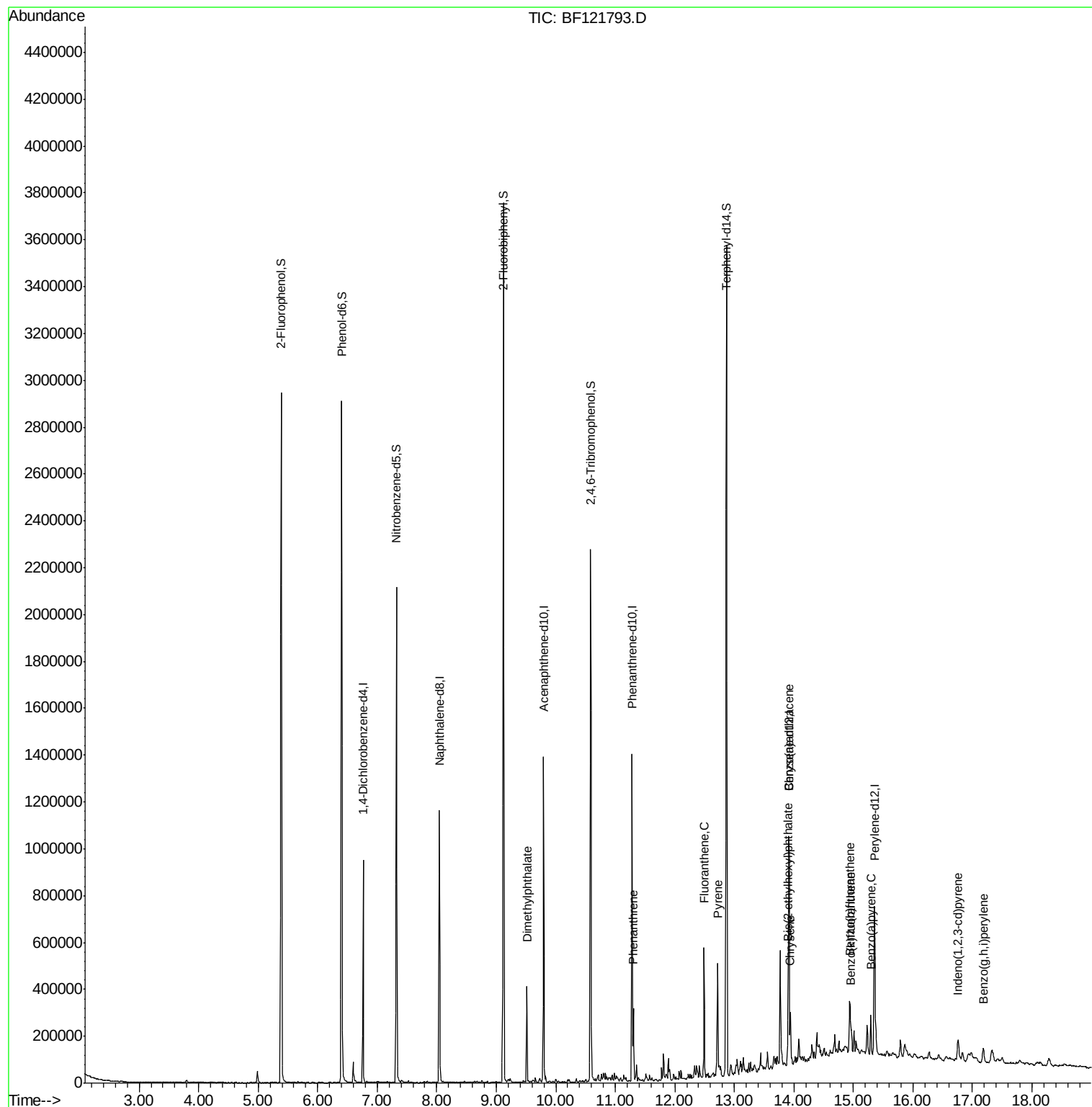
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121793.D
Acq On : 2 Oct 2020 14:38
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Sample : L4198-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

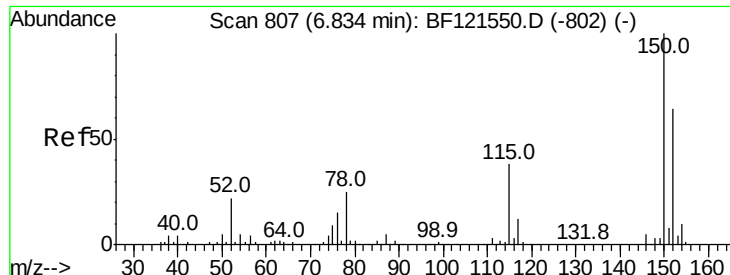
Instrument :
BNA_F
ClientSampleId :
RO-10

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Quant Time: Oct 02 16:07:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

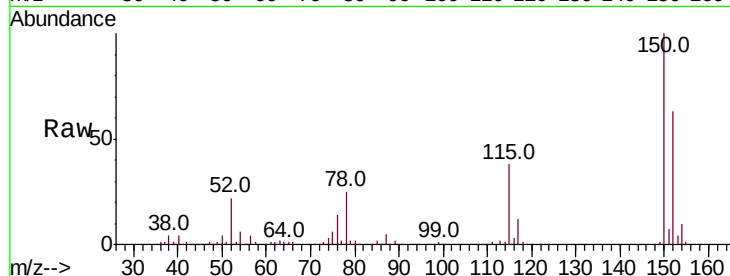
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.3	187.9
115	60.1	51.9	77.9

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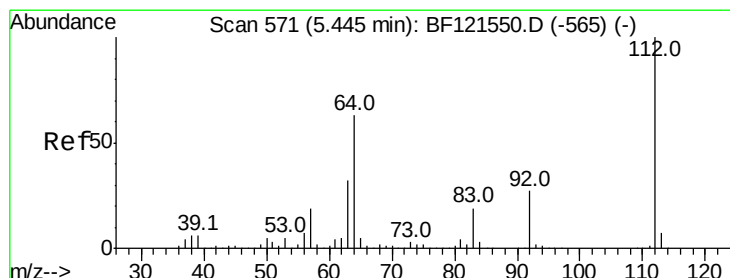
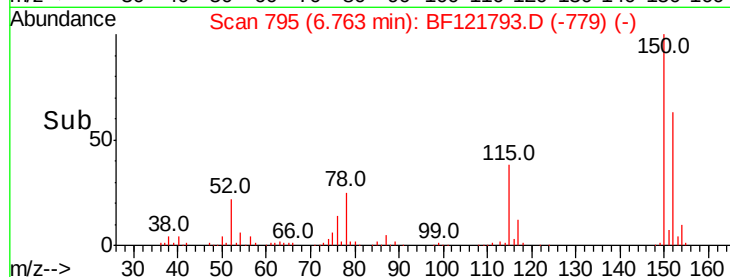
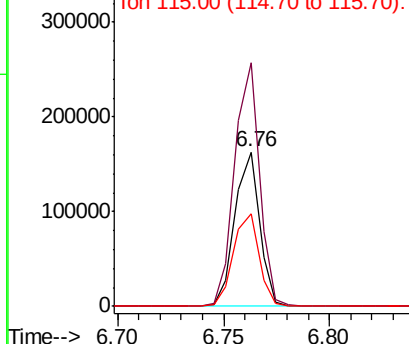


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

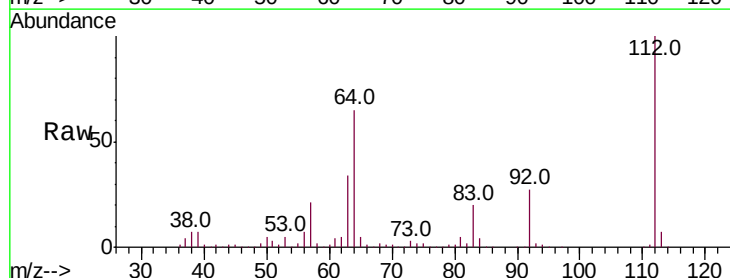
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.586 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	50.4	75.6
63	33.5	25.8	38.6

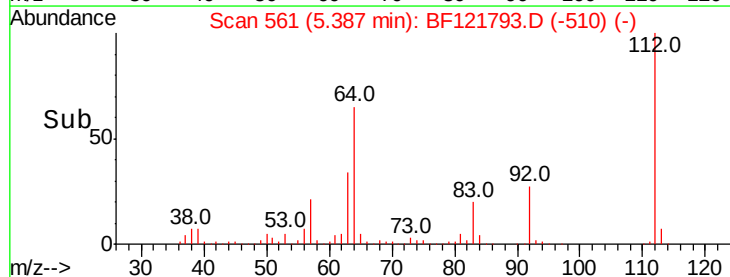
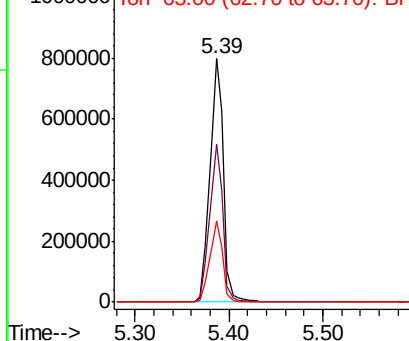


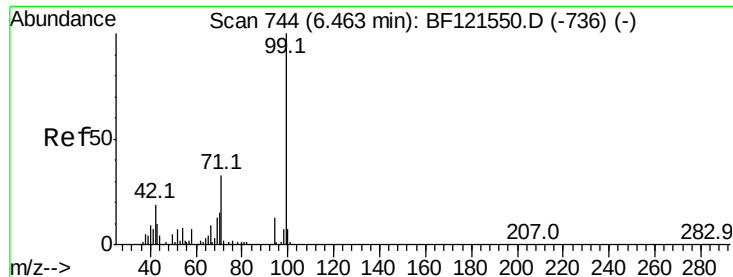
Abundance

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: 88.539 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Instrument :

BNA_F

ClientSampled :

RO-10

Tot Ion: 99 Resp: 1032406

Ion Ratio Lower Upper

99 100

42 20.0 15.9 23.9

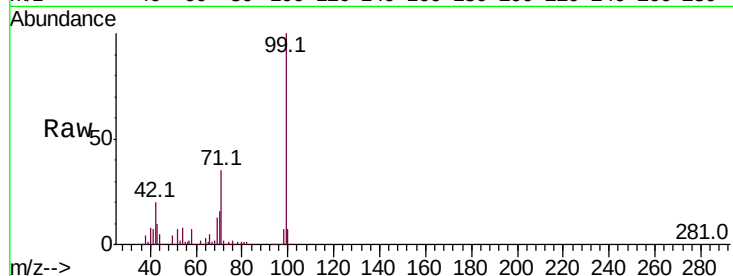
71 34.7 27.1 40.7

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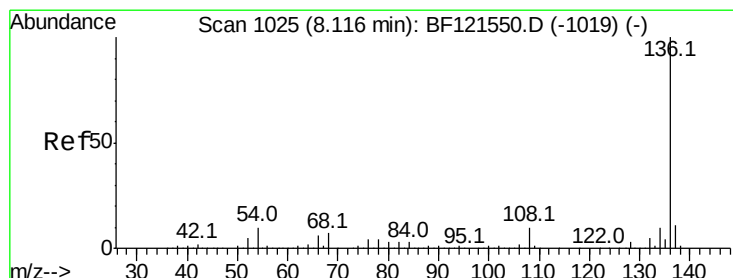
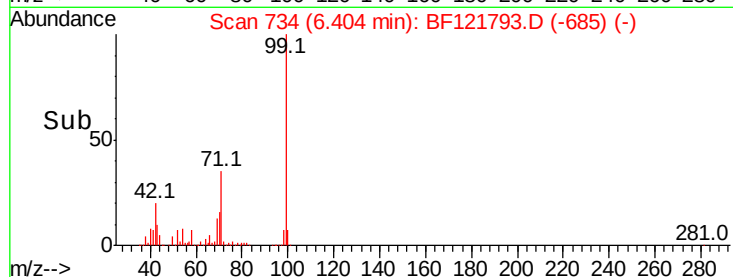
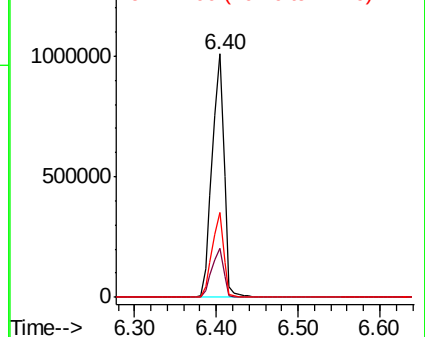
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Tgt Ion: 136 Resp: 523763

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.9 7.1 10.7

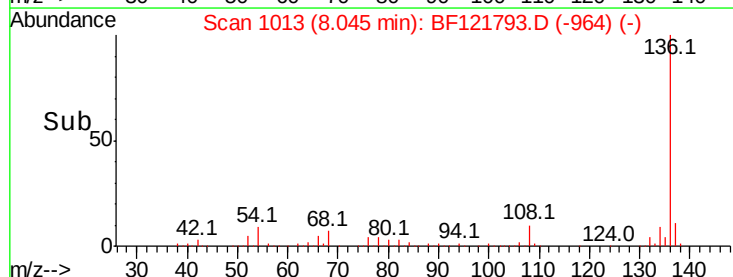
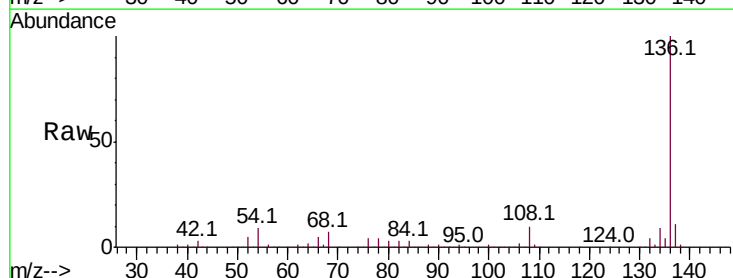
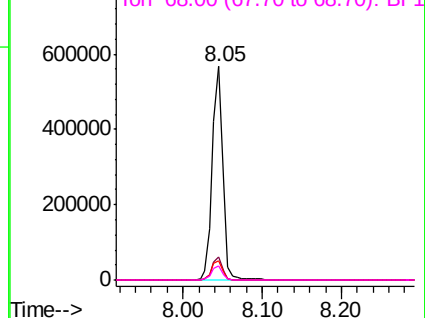
68 6.8 5.0 7.4

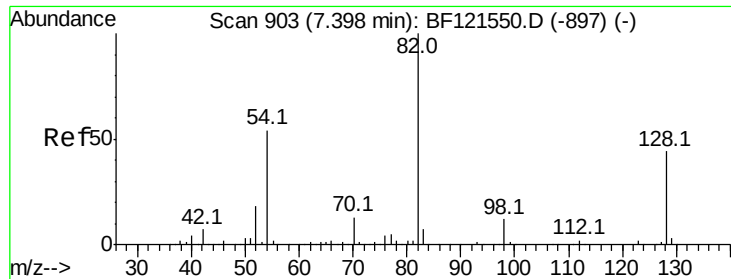
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





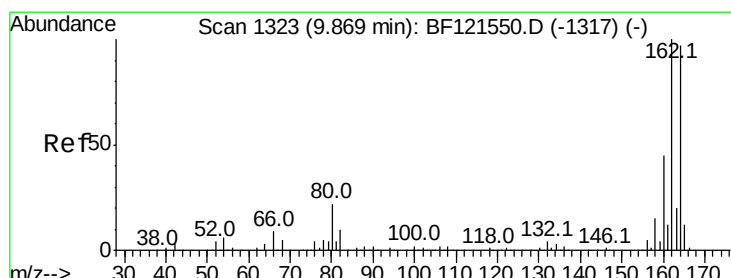
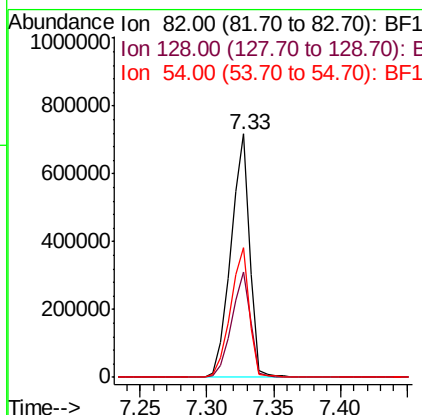
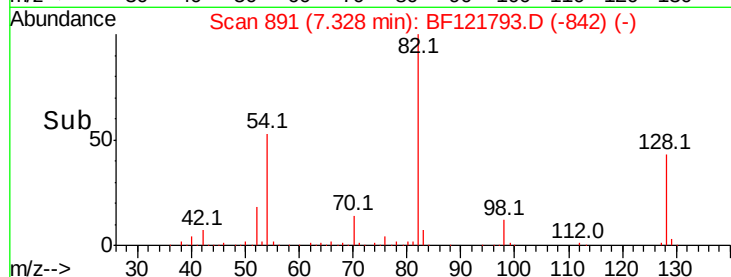
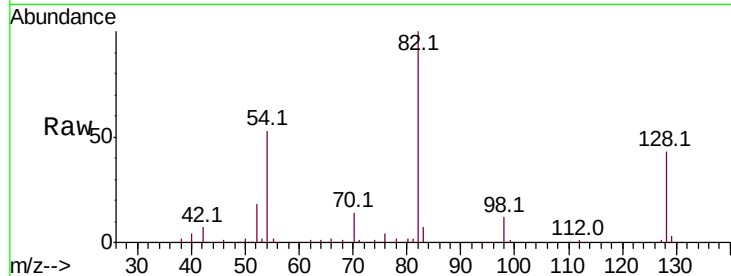
#23
Nitrobenzene-d5
Concen: 73.335 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampled :
RO-10

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.0	52.4
54	53.2	43.9	65.9

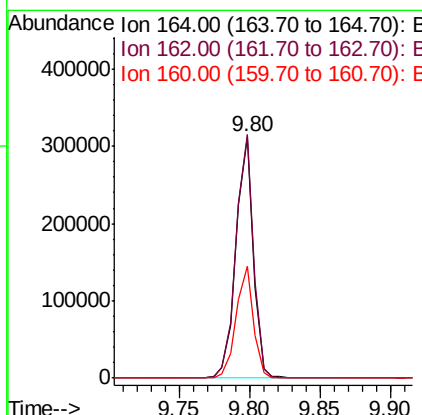
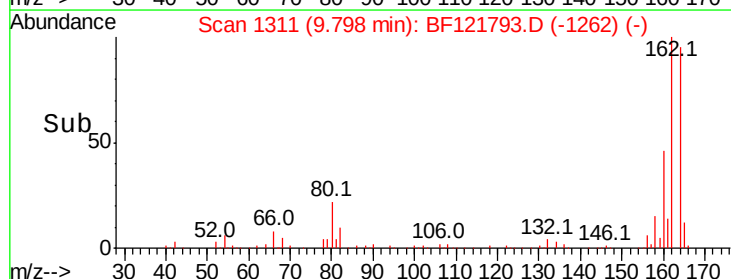
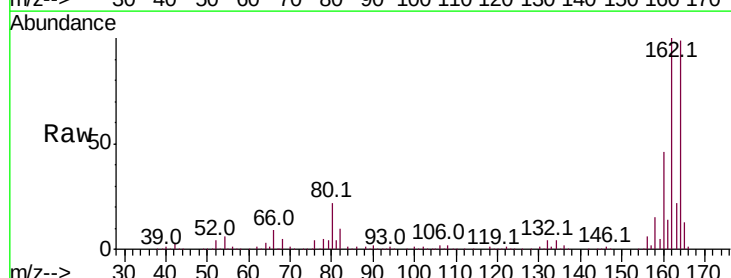
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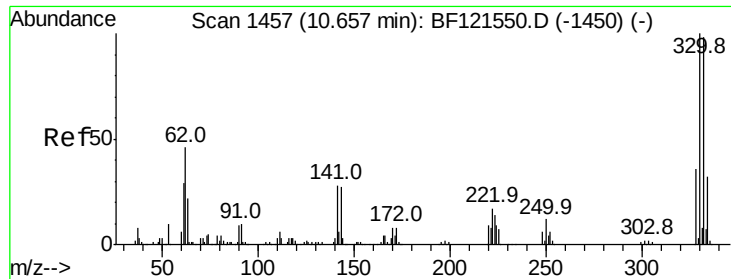
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	83.2	124.8
160	46.4	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 90.321 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Instrument :

BNA_F

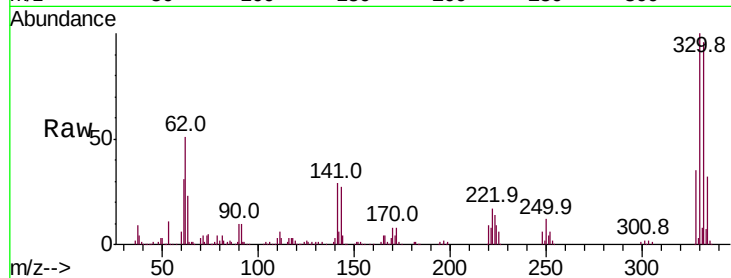
ClientSampled :

RO-10

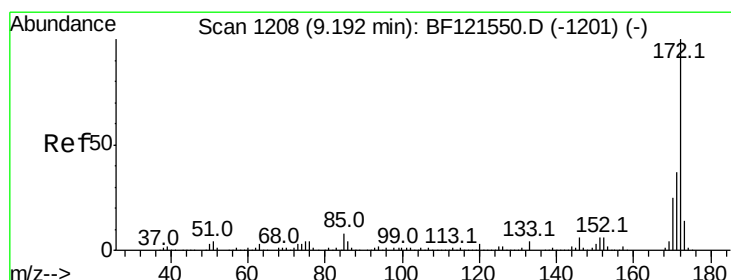
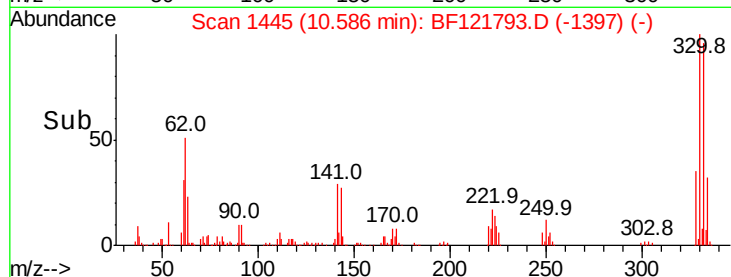
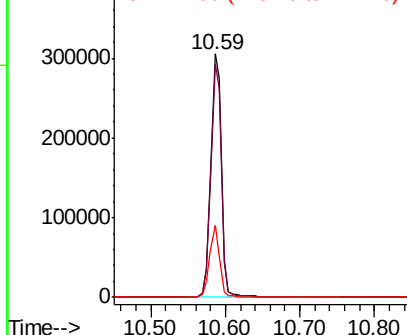
Tot Ion:	330	Resp:	299548
Ion Ratio	Lower	Upper	
330	100		
332	95.1	77.3	115.9
141	28.1	22.3	33.5

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 69.589 ng

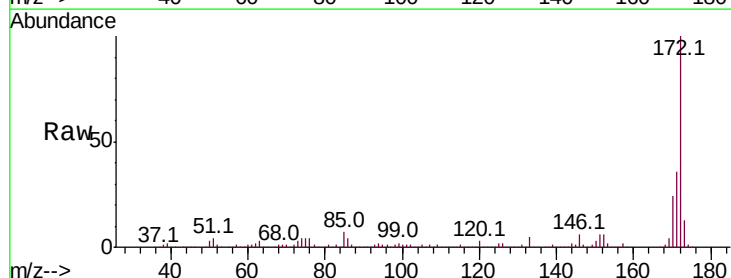
RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

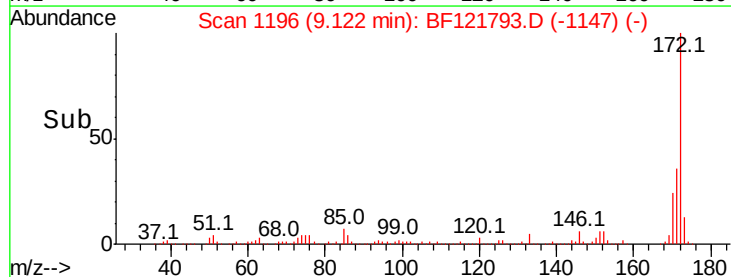
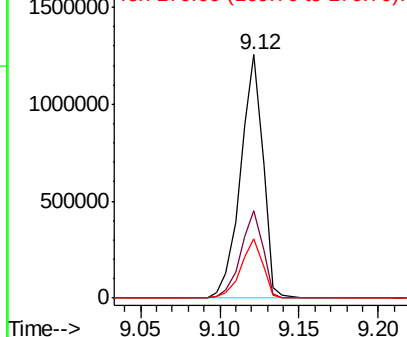
Lab File: BF121793.D

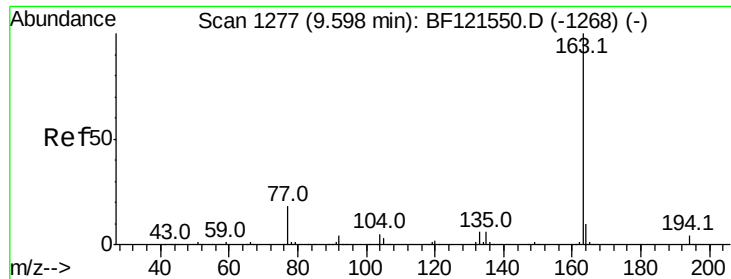
Acq: 2 Oct 2020 14:38

Tgt Ion:	172	Resp:	1226075
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.1	43.7
170	24.5	19.8	29.6



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





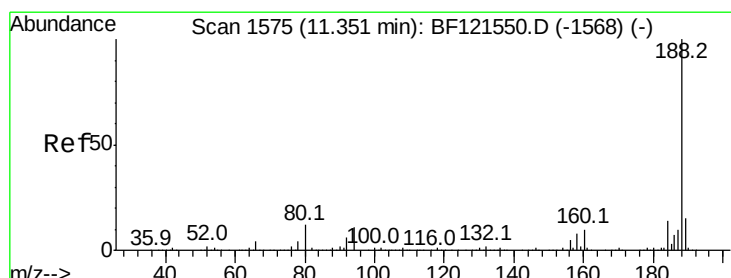
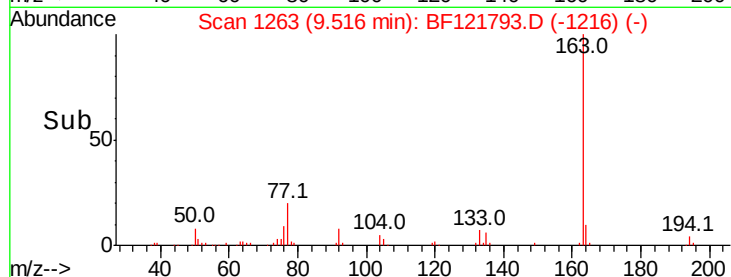
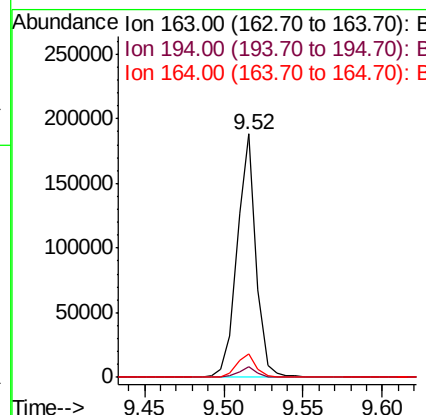
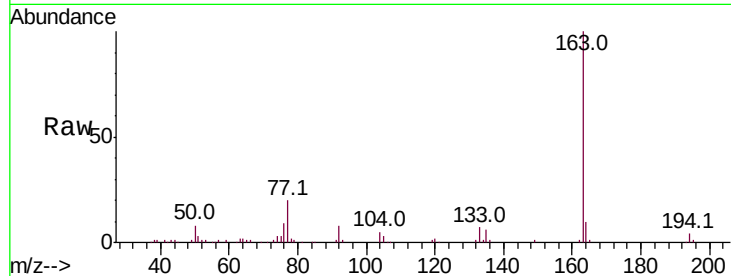
#50
Dimethylphthalate
Concen: 8.003 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampled :
RO-10

Tot Ion	Ratio	Resp	Lower	Upper
163	100	154777		
194	4.1	3.3	4.9	
164	9.8	8.2	12.4	

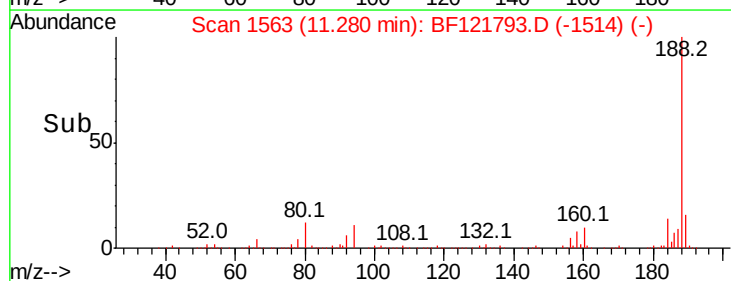
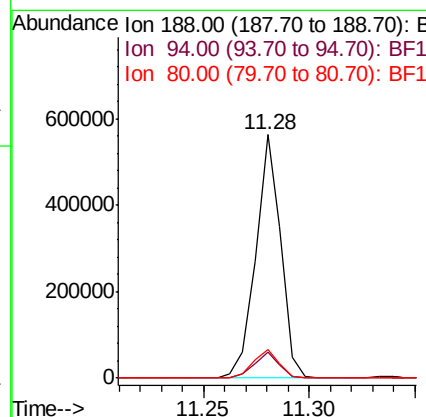
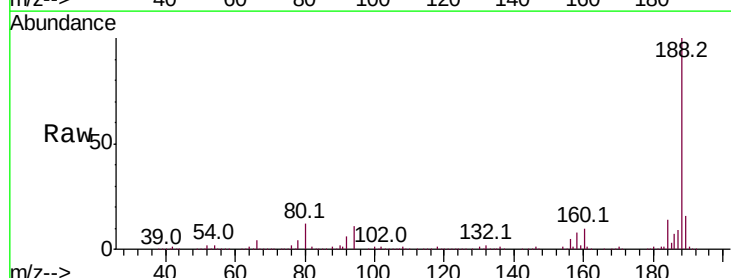
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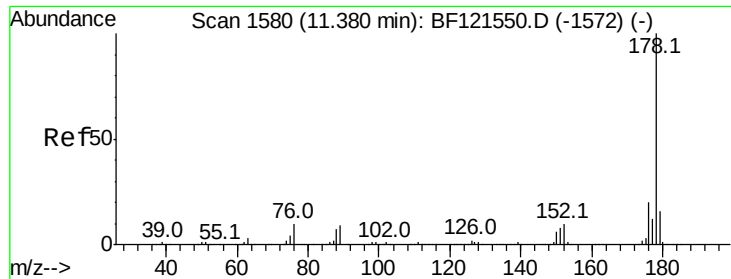
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	463605		
94	10.8	8.3	12.5	
80	11.6	9.1	13.7	





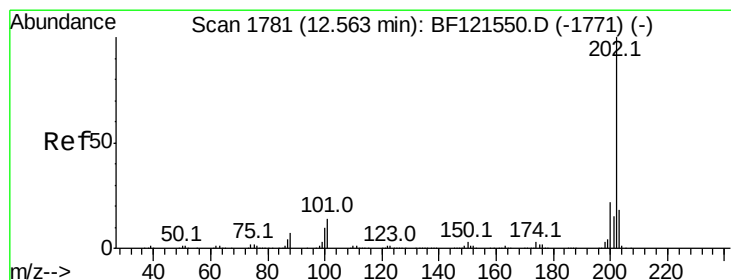
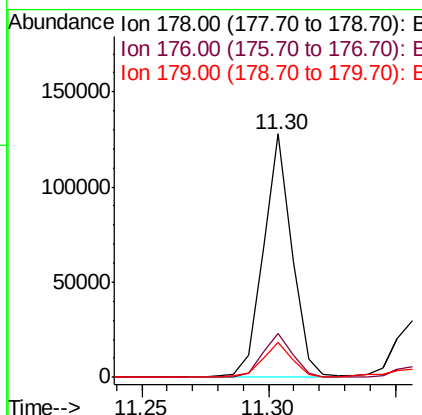
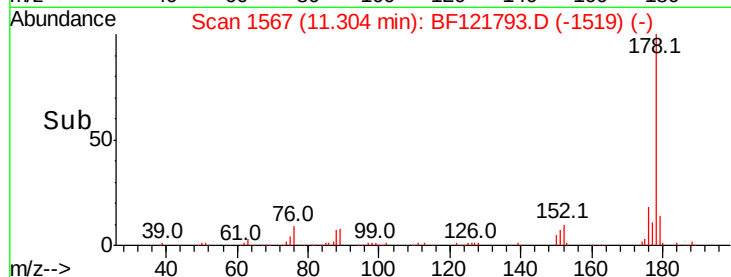
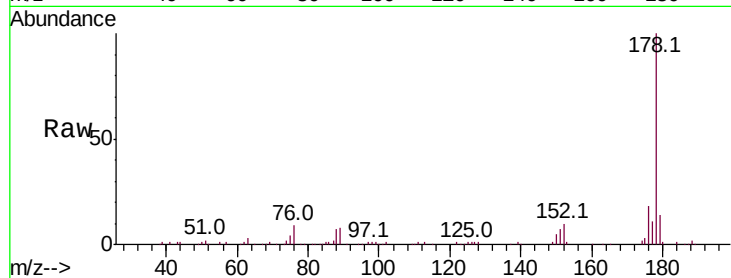
#71
Phenanthrene
Concen: 3.979 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	14.4	12.2	18.4

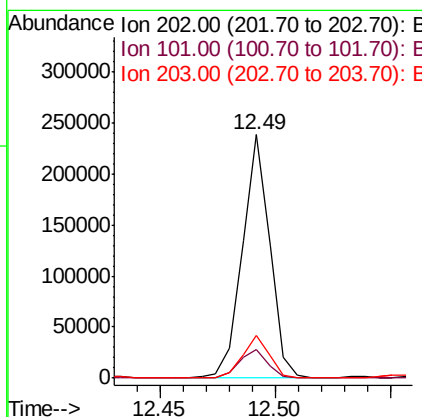
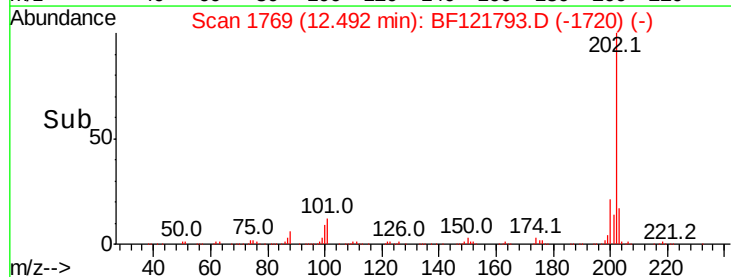
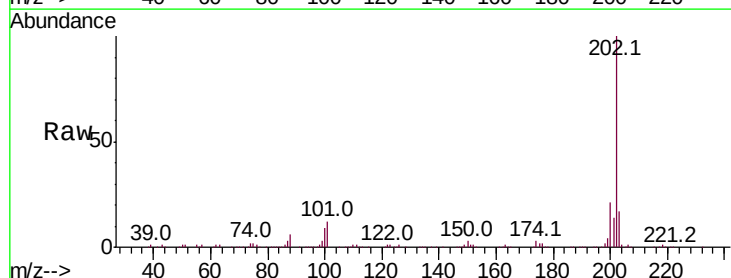
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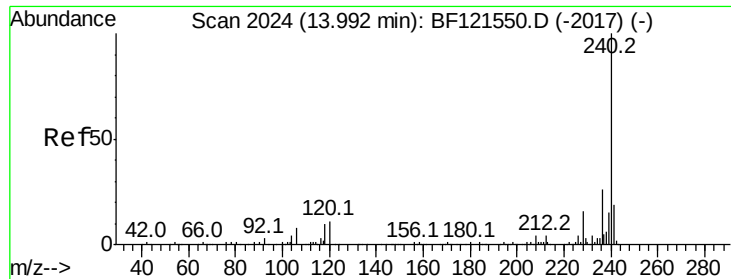
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#75
Fluoranthene
Concen: 7.318 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.4
203	17.4	0.0	37.9





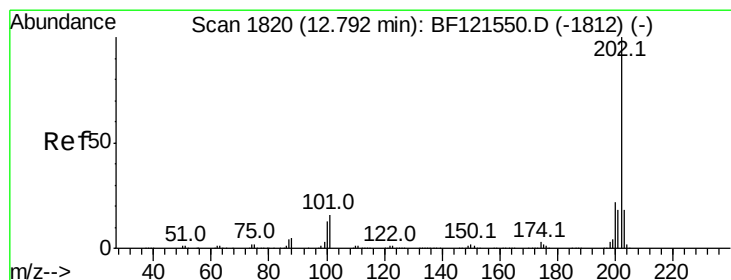
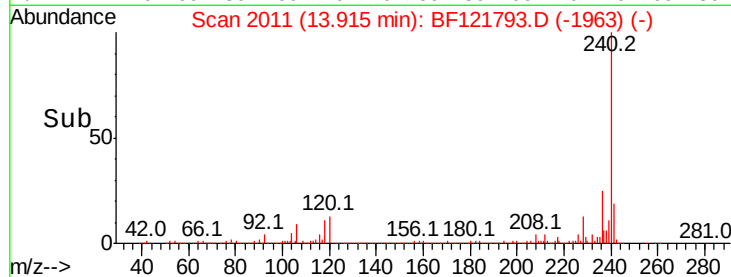
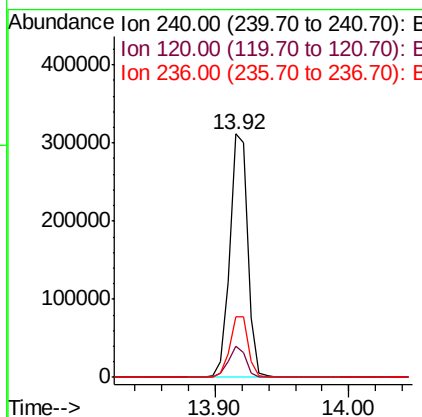
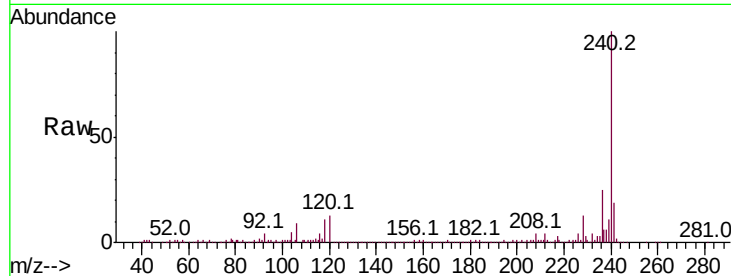
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion	Ratio	Resp	Lower	Upper
240	100	298331		
120	12.9	9.2	13.8	
236	25.0	20.9	31.3	

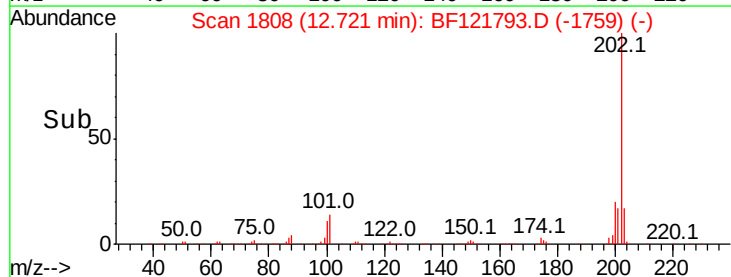
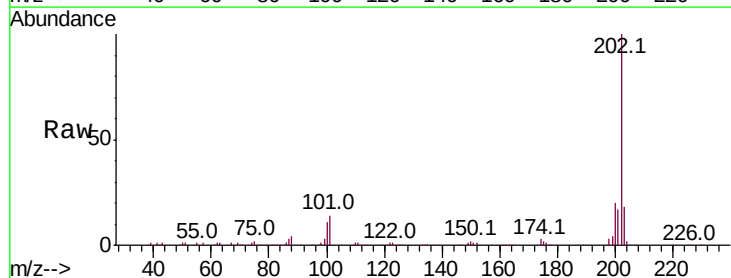
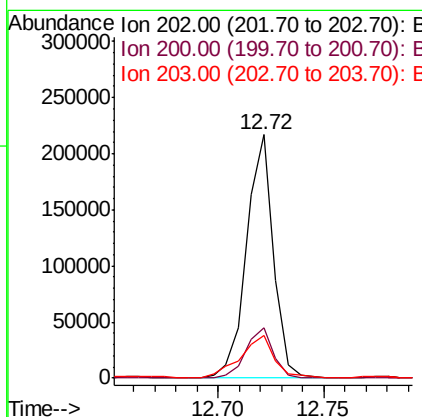
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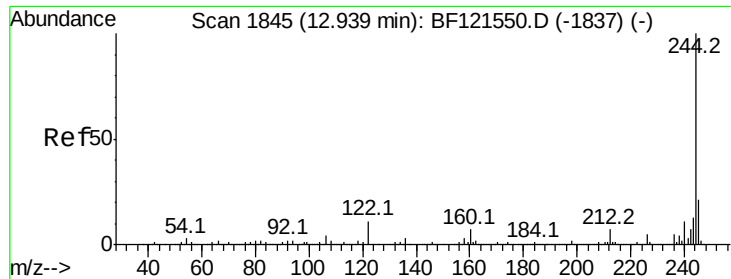
mohammad
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#78
Pyrene
Concen: 8.835 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	192580		
200	20.5	17.4	26.2	
203	17.8	14.6	21.8	





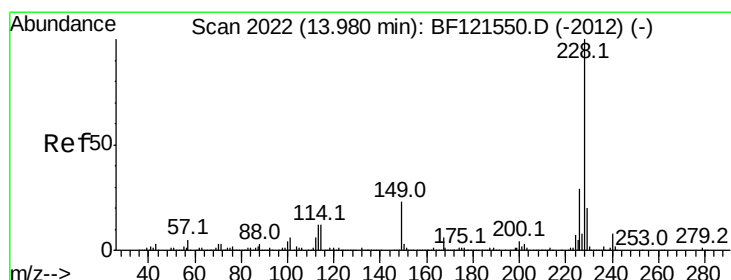
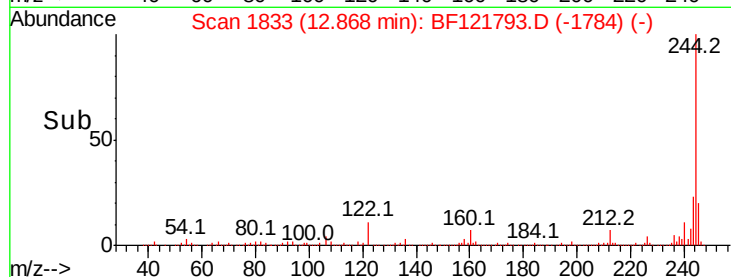
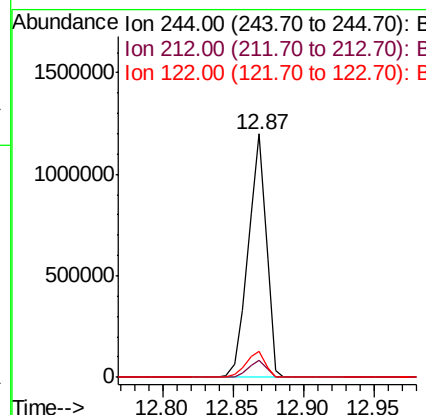
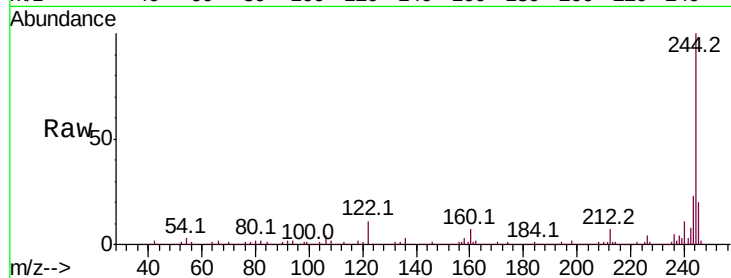
#79
 Terphenyl-d14
 Concen: 72.953 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Instrument :
 BNA_F
 ClientSampleId :
 RO-10

Tot Ion:244 Resp: 1074298
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.9 8.1 12.1

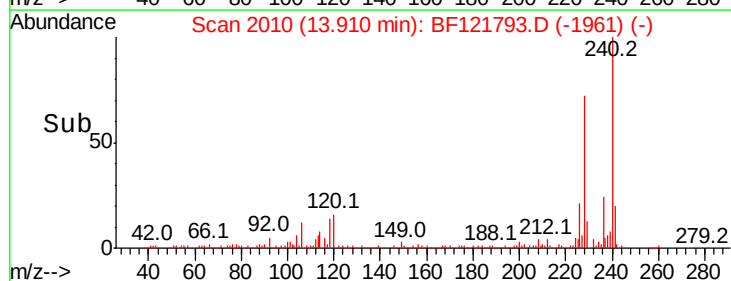
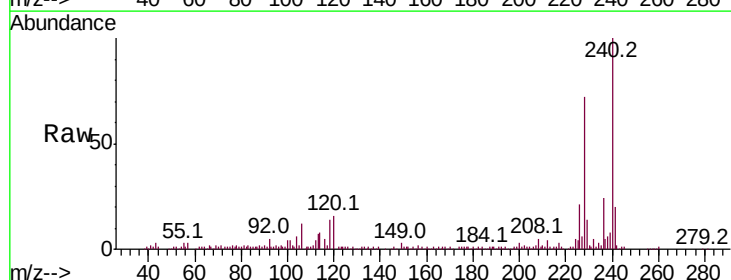
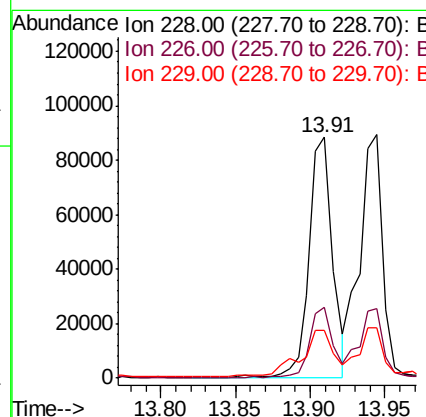
Manual Integrations
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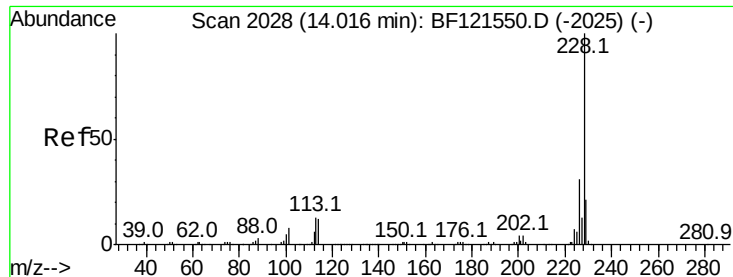
mohammad
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#81
 Benzo(a)anthracene
 Concen: 5.123 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Tgt Ion:228 Resp: 96691
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.3 33.5
 229 19.9 16.2 24.4





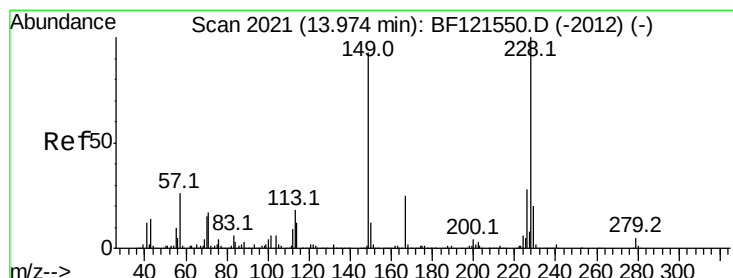
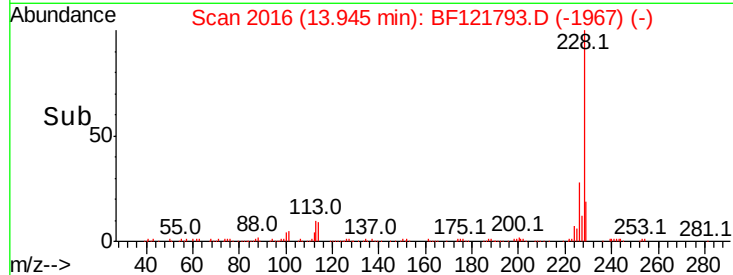
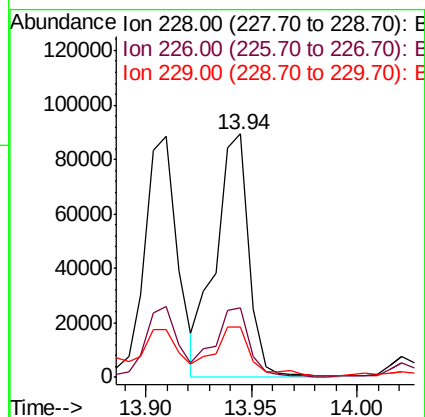
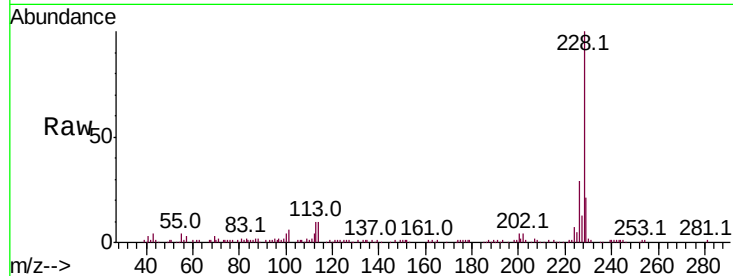
#83
 Chrysene
 Concen: 5.071 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Instrument :
 BNA_F
 ClientSampleId :
 RO-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.6	37.0
229	20.6	15.9	23.9

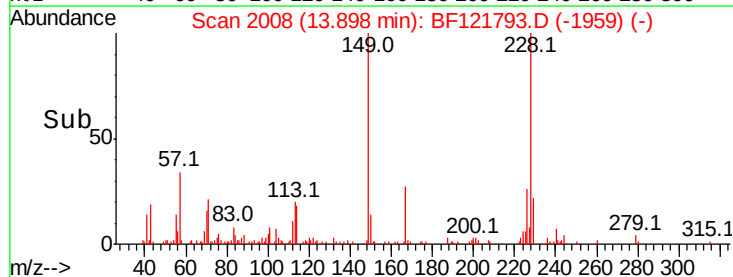
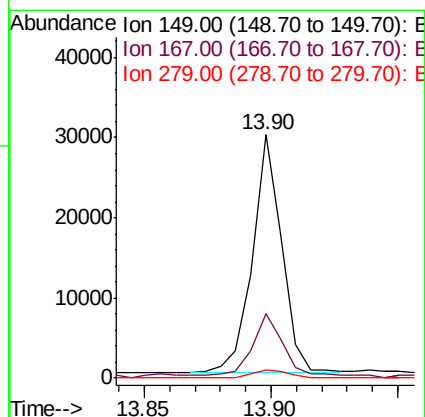
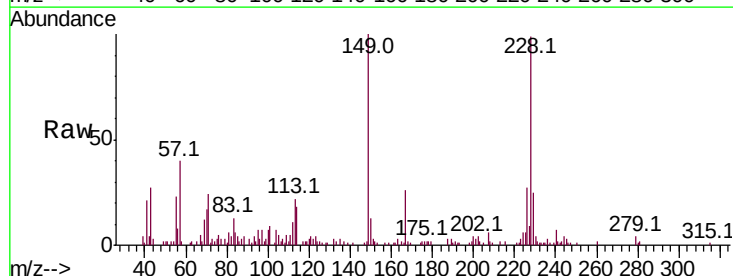
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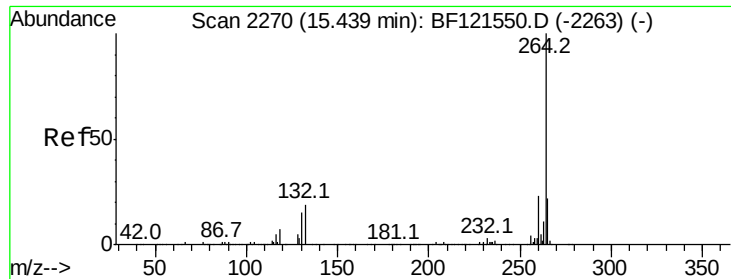
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.039 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.9	31.3
279	3.5	3.2	4.8





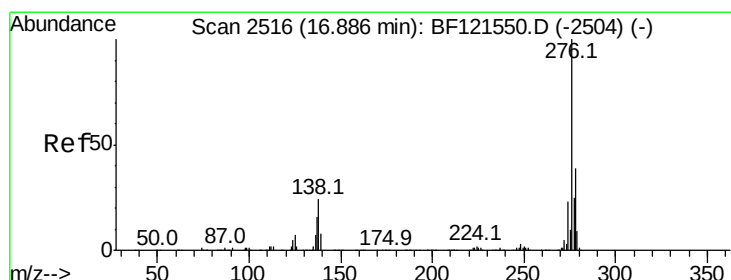
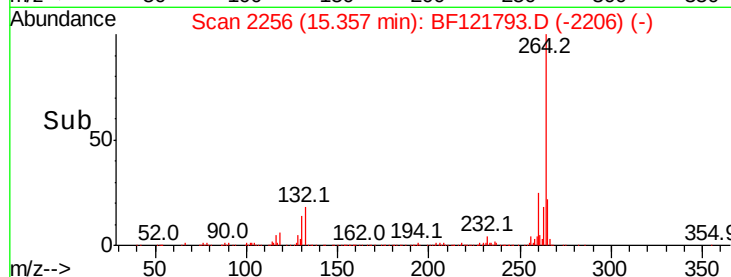
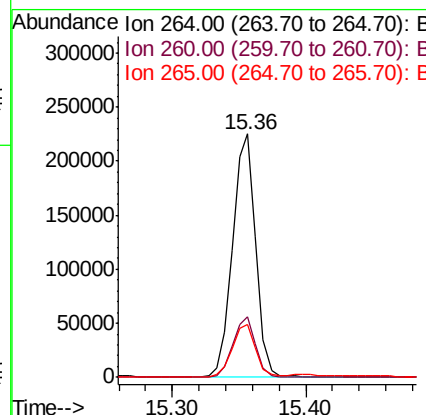
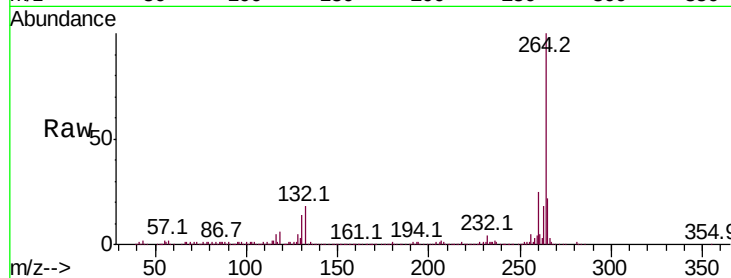
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.7	28.1
265	21.9	17.3	25.9

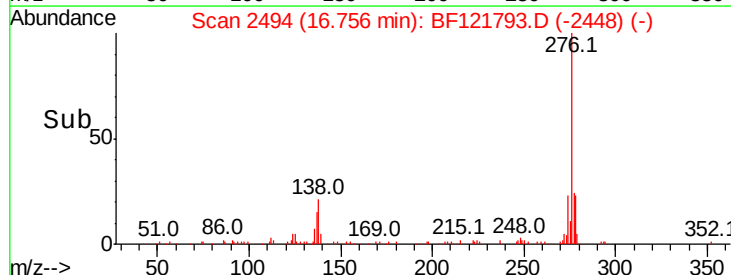
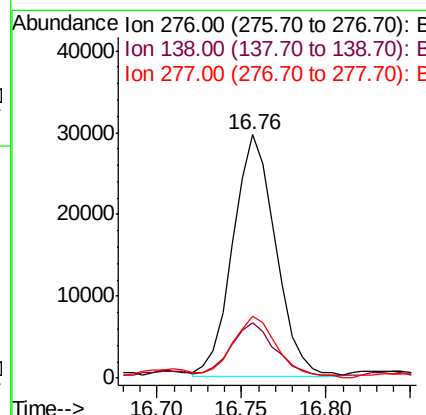
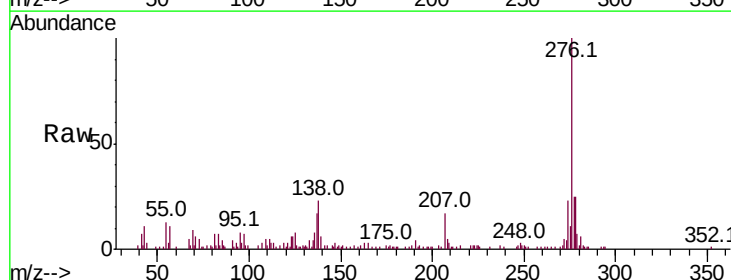
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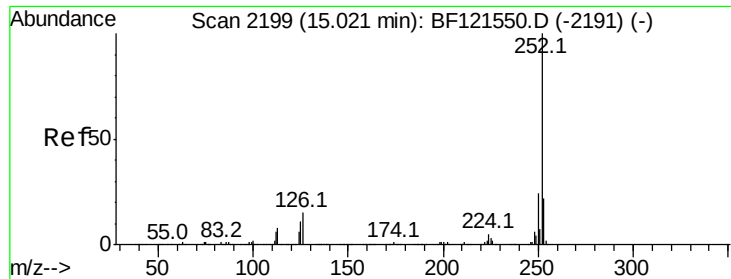
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.904 ng
RT: 16.76 min Scan# 2494
Delta R.T. -0.03 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.9	29.9
277	26.8	20.4	30.6





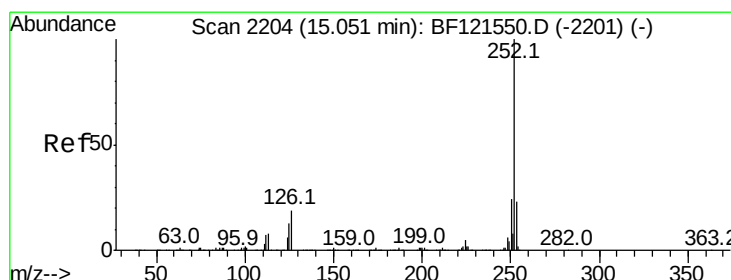
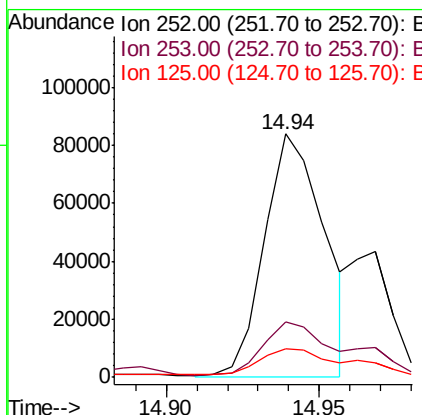
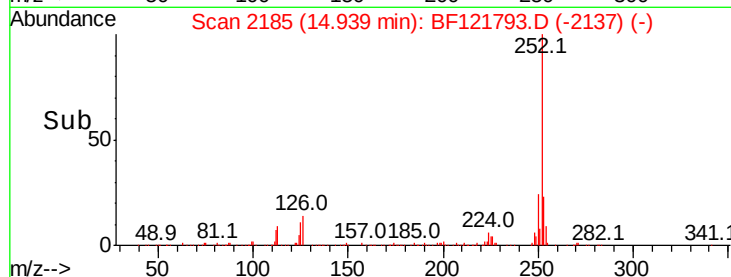
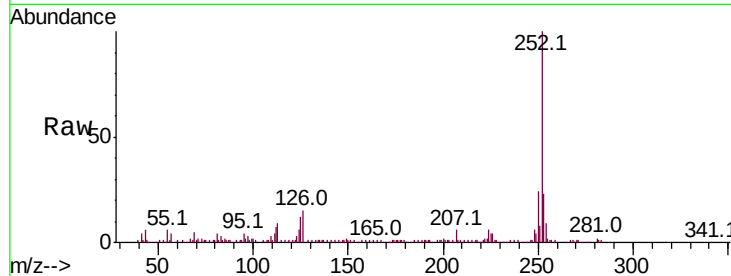
#88
Benzo(b)fluoranthene
Concen: 6.239 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.7	8.0	12.0

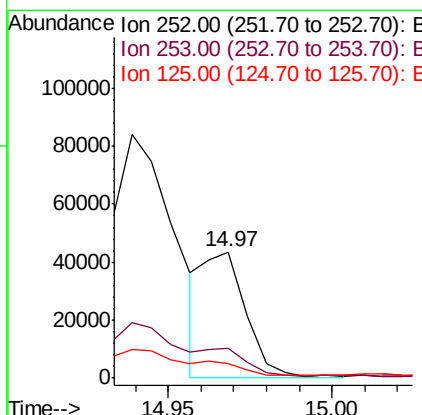
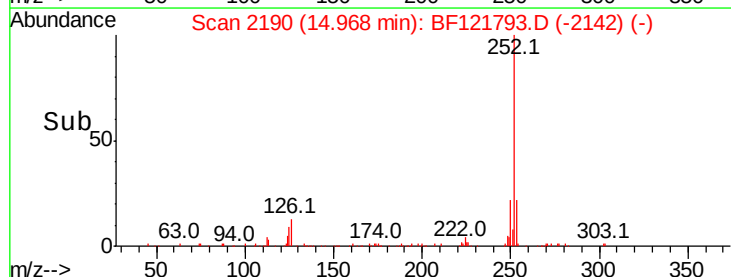
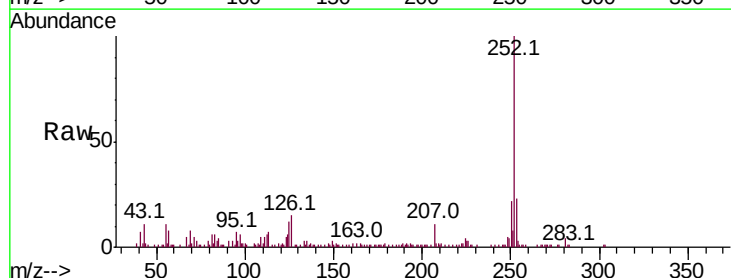
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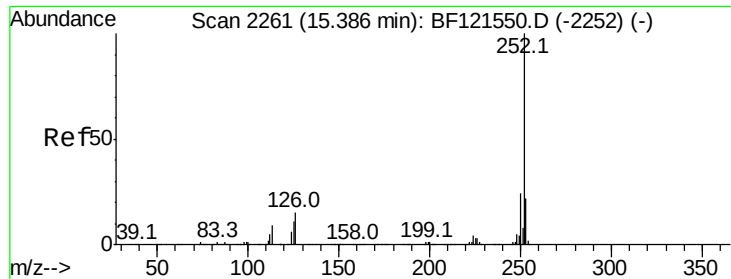
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#89
Benzo(k)fluoranthene
Concen: 2.415 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	11.8	7.7	11.5





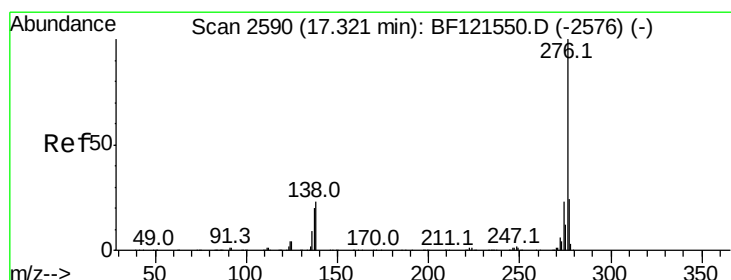
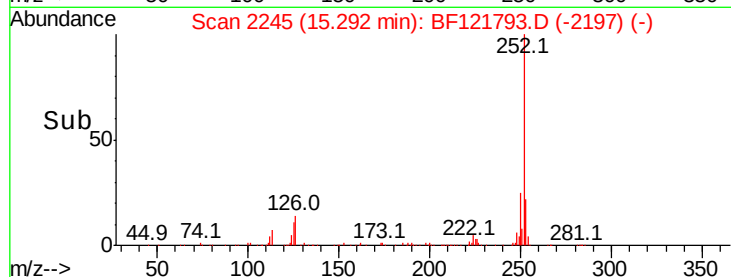
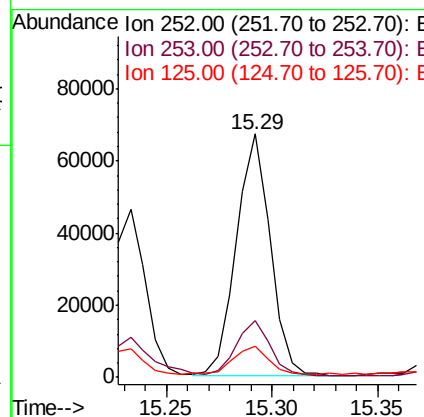
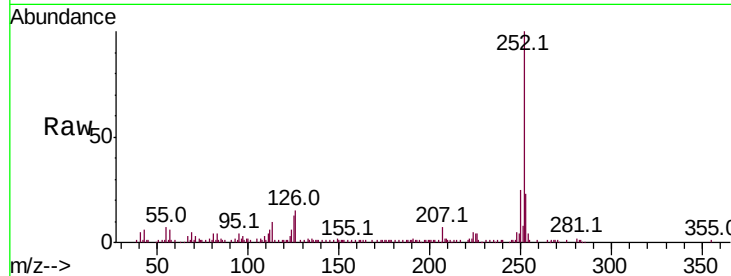
#90
Benzo(a)pyrene
Concen: 4.766 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	13.0	8.6	13.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.430 ng
RT: 17.18 min Scan# 2566
Delta R.T. -0.03 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.4	29.2
138	25.5	17.8	26.6

