

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121867.D
 Acq On : 7 Oct 2020 11:47
 Operator : JU/CG
 Sample : L4190-11 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-0-10

Manual Integrations
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Quant Time: Oct 07 12:21:06 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	131818	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	523733	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	267625	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	470501	20.00	ng	0.00
76) Chrysene-d12	13.92	240	303310	20.00	ng	-0.01
86) Perylene-d12	15.37	264	293209	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	326987	36.86	ng	0.00
7) Phenol-d6	6.40	99	425592	36.57	ng	-0.01
23) Nitrobenzene-d5	7.32	82	281485	28.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	96407	28.98	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	512271	28.99	ng	-0.01
79) Terphenyl-d14	12.87	244	440898	29.45	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.52	163	44700	2.304	ng	100
52) Acenaphthene	9.83	154	39306	2.399	ng	98
58) Fluorene	10.35	166	37478	2.124	ng	99
71) Phenanthrene	11.31	178	404933	15.796	ng	98
72) Anthracene	11.36	178	110806	4.189	ng	98
75) Fluoranthene	12.50	202	335695	12.267	ng	97
78) Pyrene	12.73	202	286613	12.933	ng	98
81) Benzo(a)anthracene	13.91	228	116262	6.059	ng	98
83) Chrysene	13.95	228	98325	5.060	ng	95
87) Indeno(1,2,3-cd)pyrene	16.79	276	51728	2.709	ng	96
88) Benzo(b)fluoranthene	14.95	252	110307m	5.628	ng	
89) Benzo(k)fluoranthene	14.97	252	36013m	2.006	ng	
90) Benzo(a)pyrene	15.30	252	84099	5.047	ng	# 92
92) Benzo(a,h,i)perylene	17.22	276	57604	3.687	ng	95

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

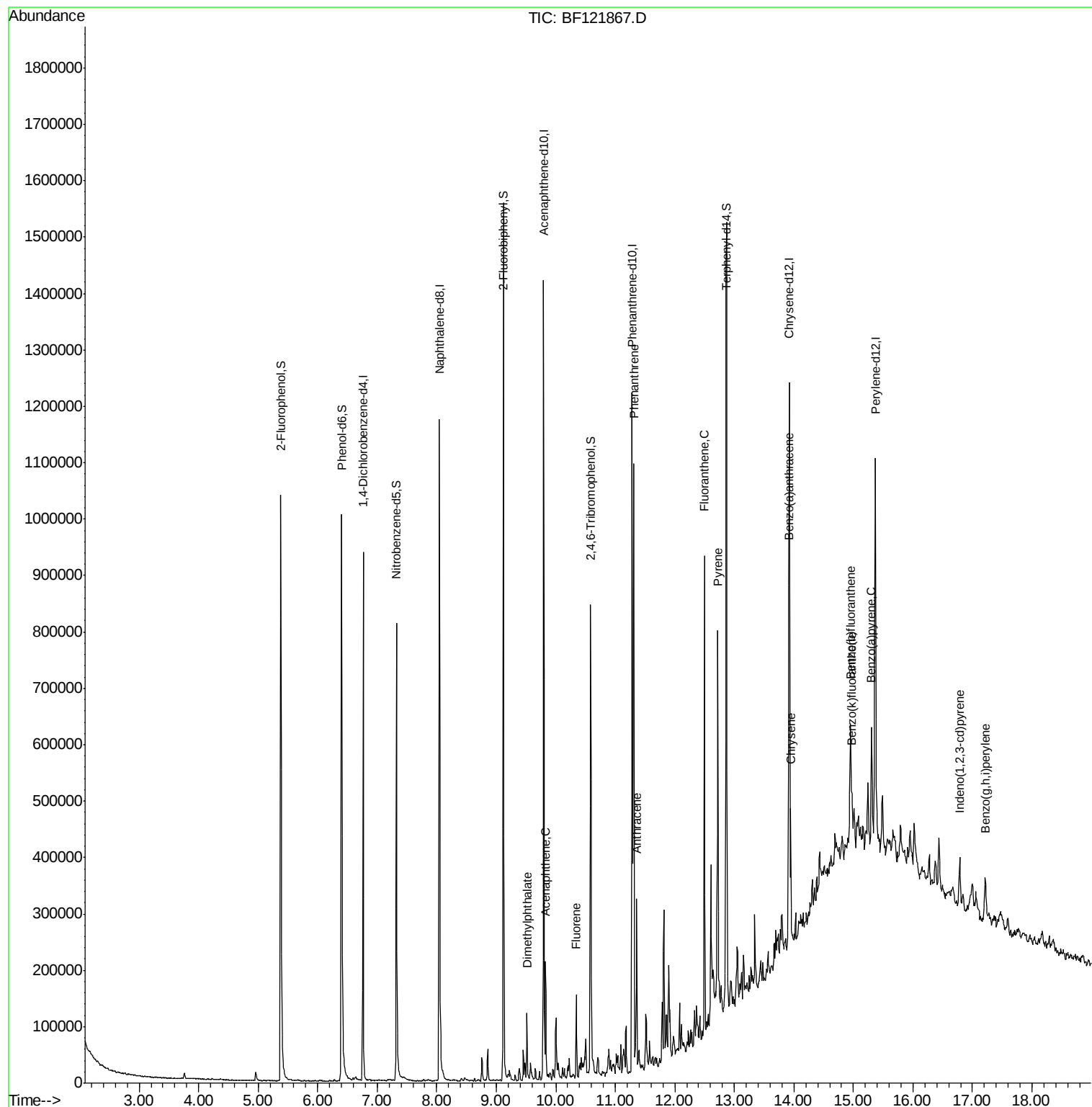
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
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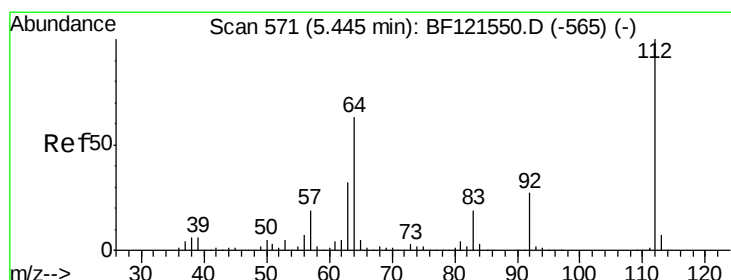
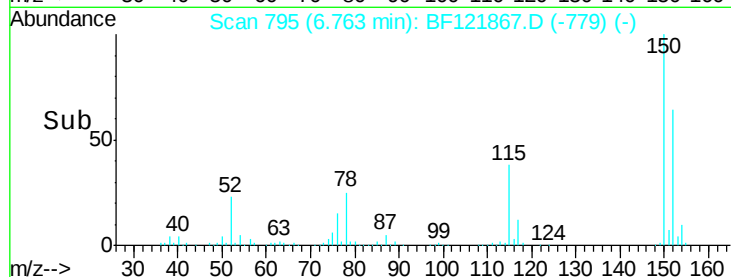
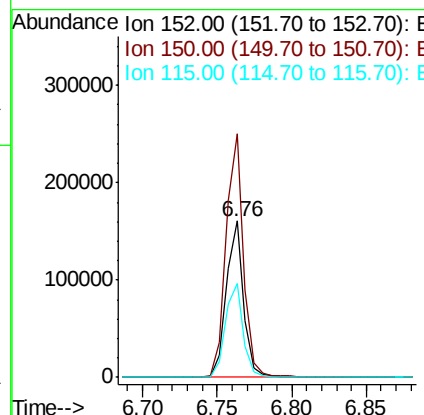
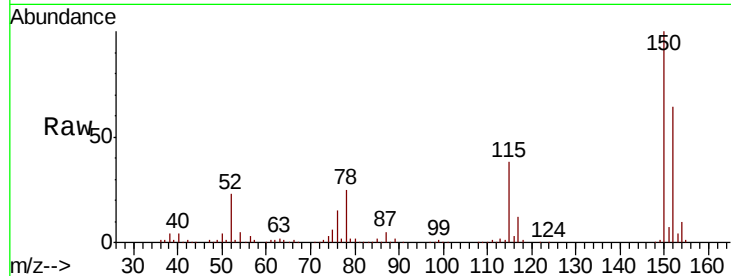
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.3	187.9
115	59.8	51.9	77.9

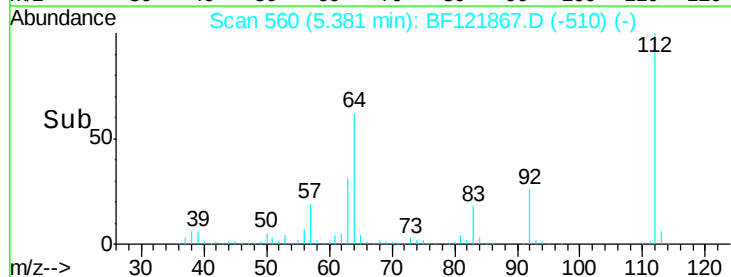
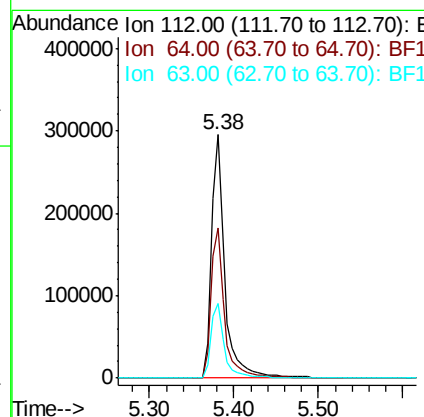
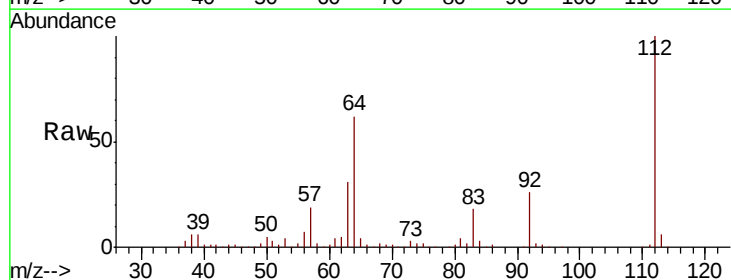
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#5
 2-Fluorophenol
 Concen: 36.865 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	50.4	75.6
63	30.5	25.8	38.6





#7

Phenol-d6

Concen: 36.573 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Instrument :

BNA_F

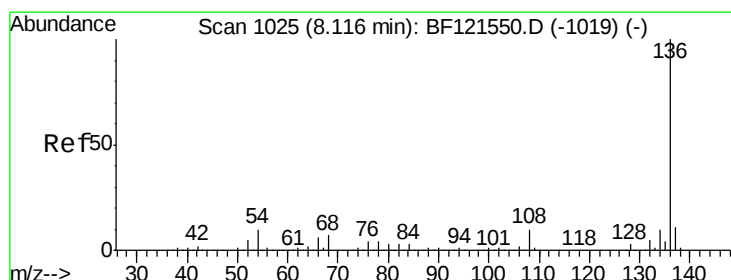
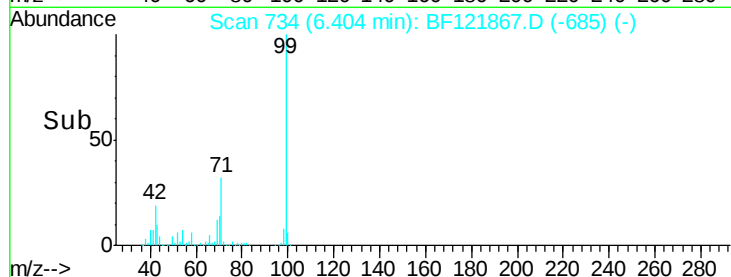
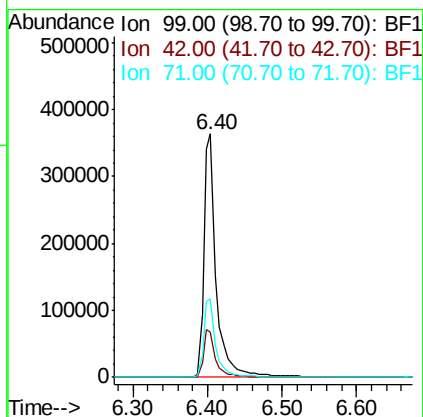
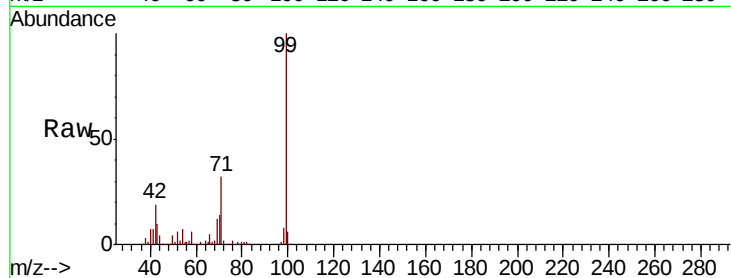
ClientSampleId :

PAV-B18-092920-0-10

Tot Ion:	99	Resp:	425592
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.9	23.9
71	32.1	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

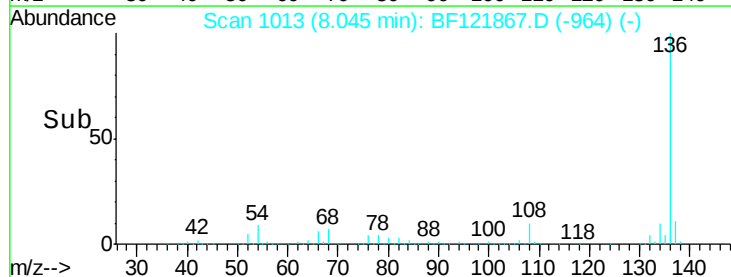
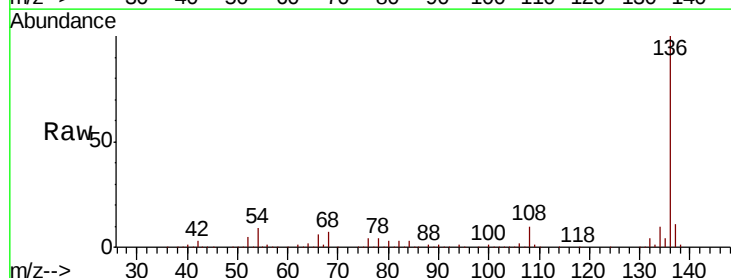
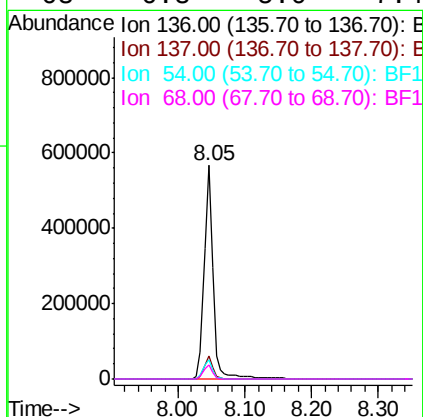
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Tgt Ion:	136	Resp:	523733
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.1	7.1	10.7
68	6.8	5.0	7.4





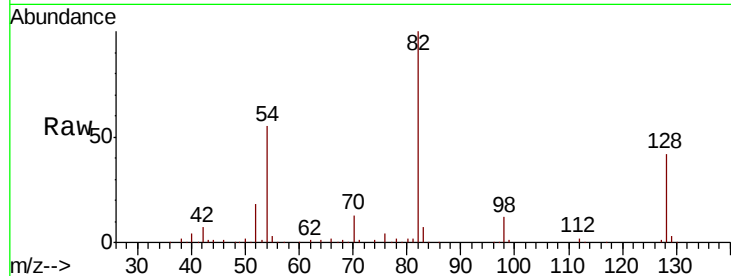
#23
 Nitrobenzene-d5
 Concen: 28.857 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-0-10

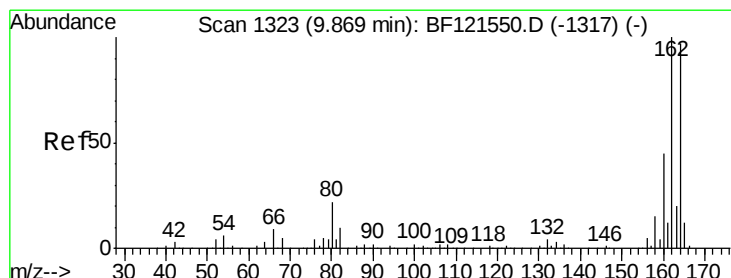
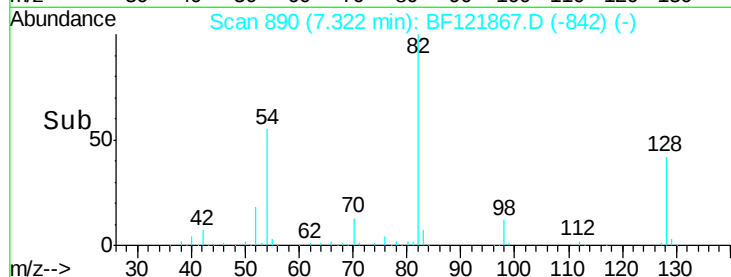
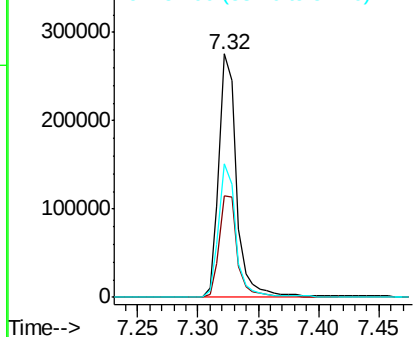
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.9	35.0	52.4	
54	54.7	43.9	65.9	

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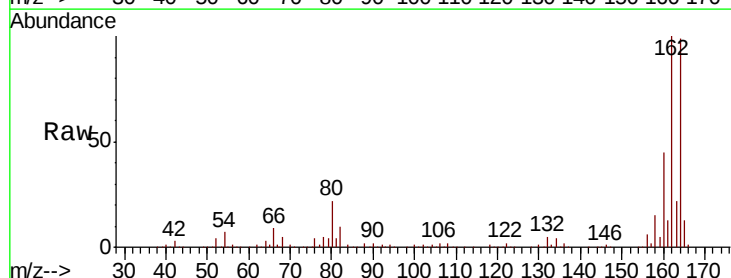


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

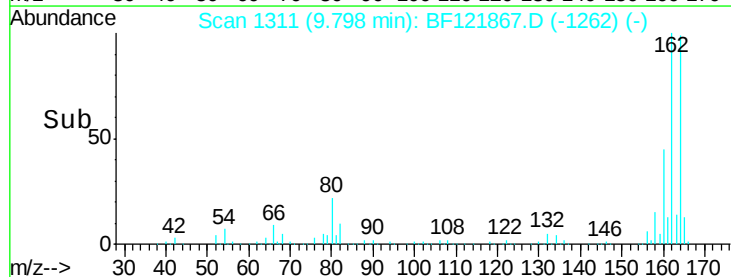
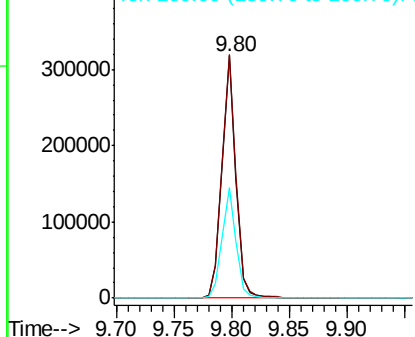


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.6	83.2	124.8	
160	45.7	37.5	56.3	



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





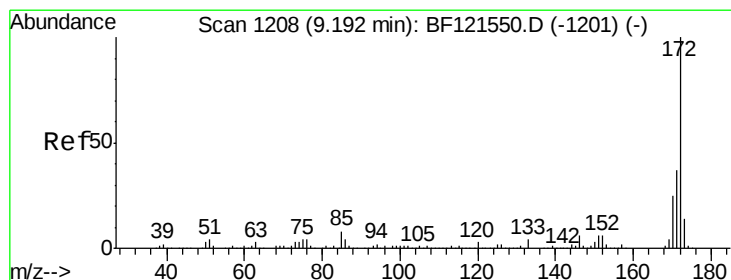
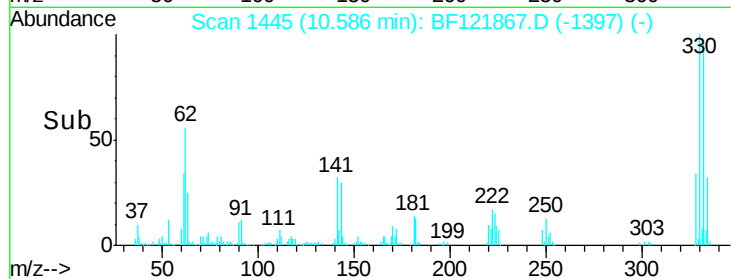
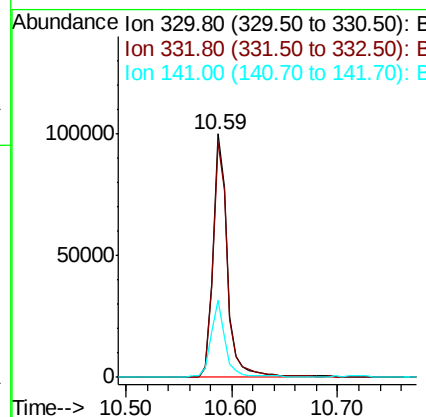
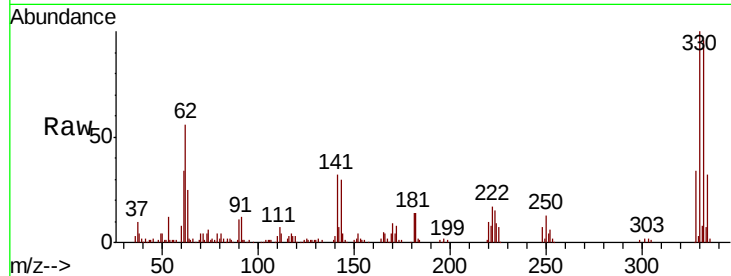
#42
 2,4,6-Tribromophenol
 Concen: 28.984 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	31.8	22.3	33.5

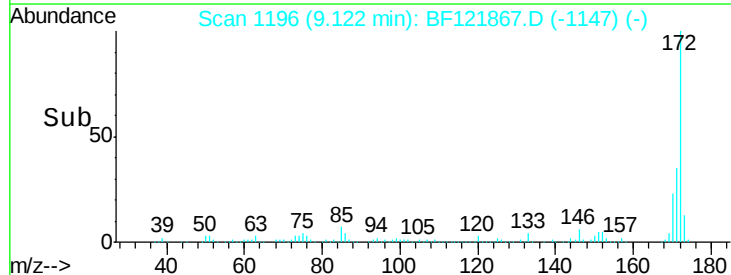
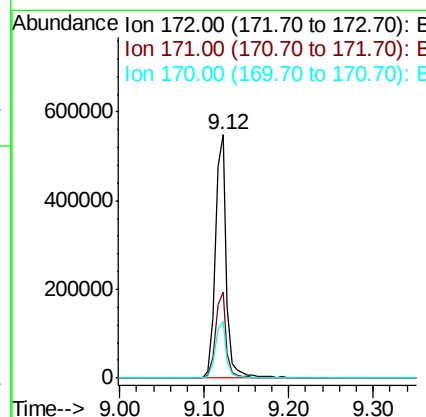
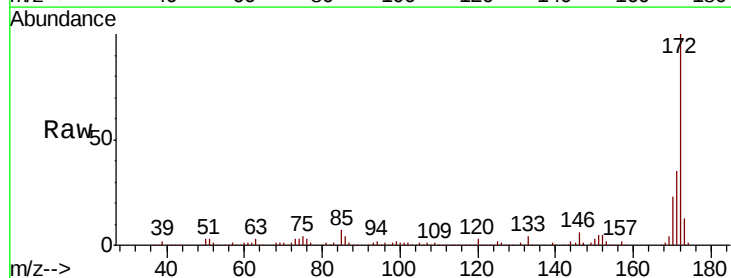
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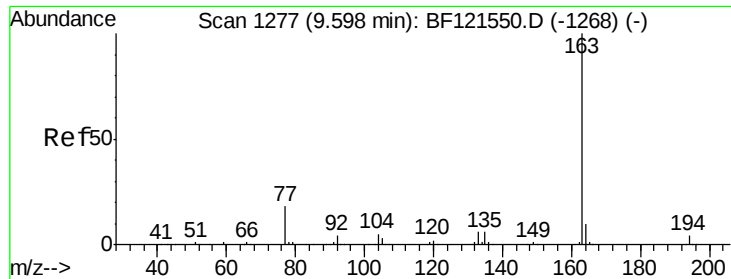
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#45
 2-Fluorobiphenyl
 Concen: 28.990 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.1	43.7
170	23.4	19.8	29.6





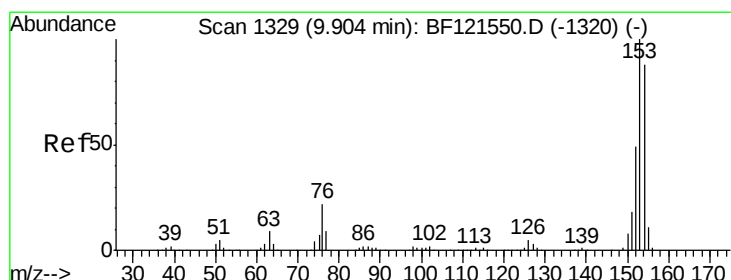
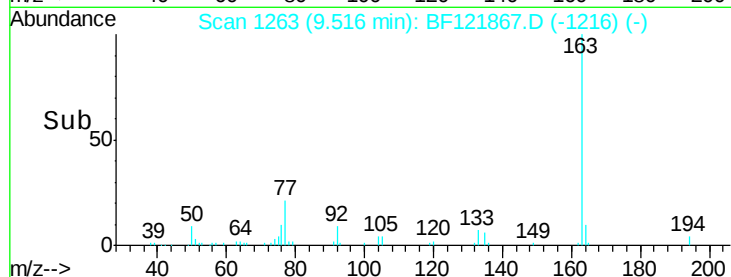
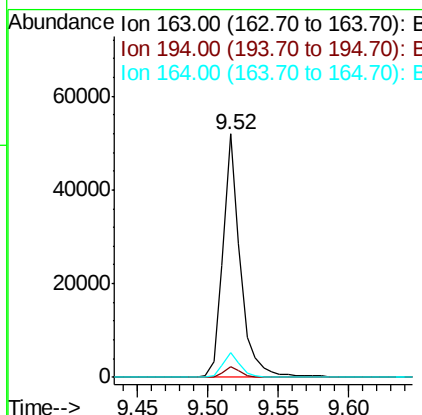
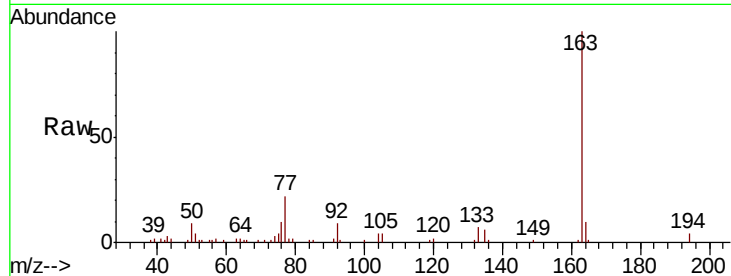
#50
Dimethylphthalate
Concen: 2.304 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.4	8.2	12.4

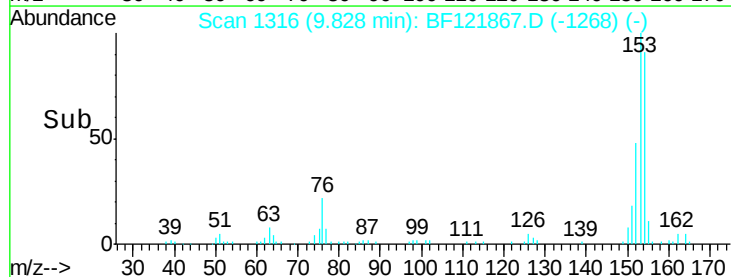
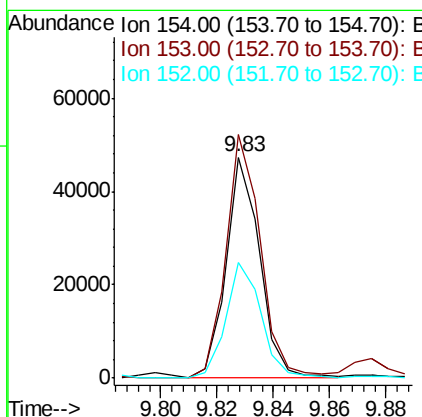
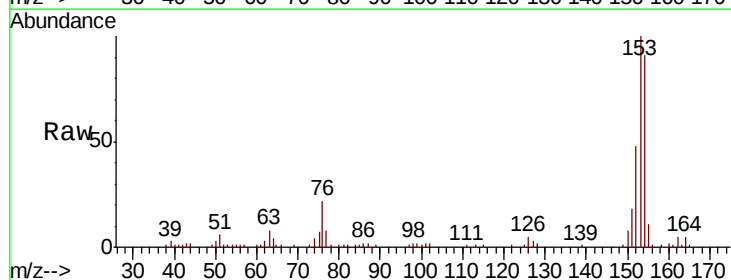
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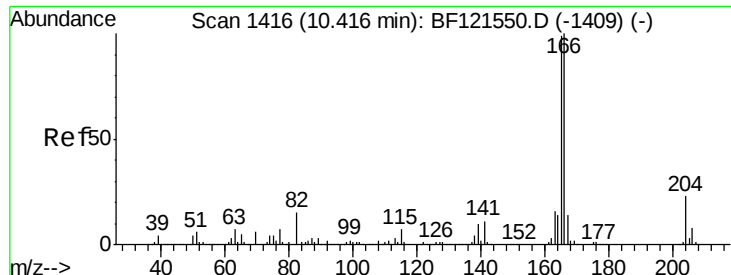
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#52
Acenaphthene
Concen: 2.399 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.8	134.8
152	52.6	43.2	64.8





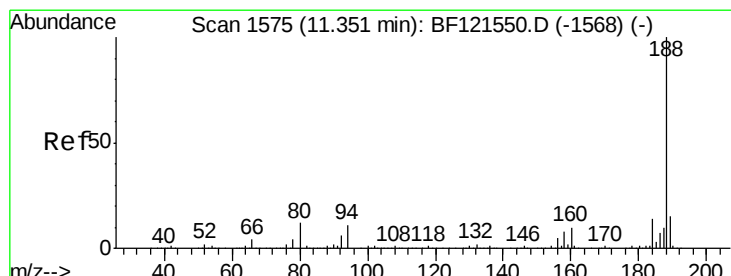
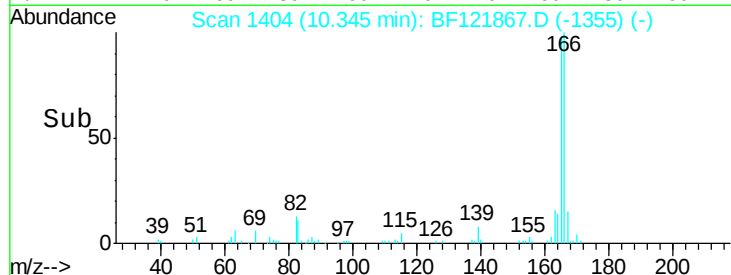
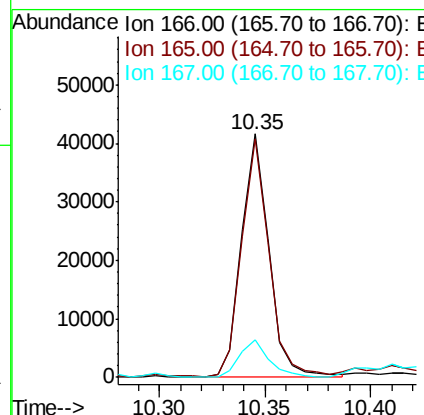
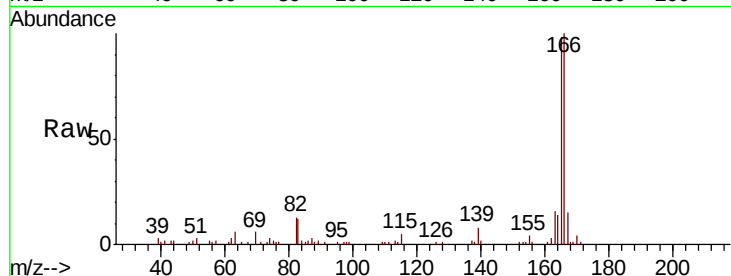
#58
 Fluorene
 Concen: 2.124 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.1	118.7
167	15.5	11.0	16.6

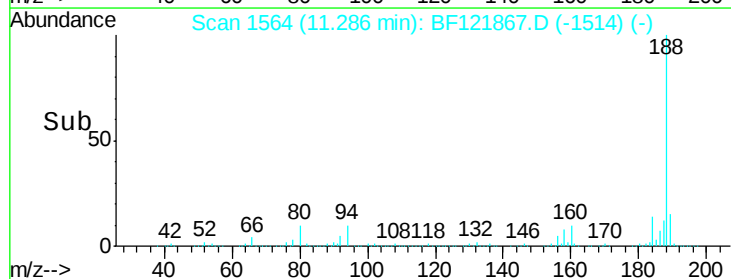
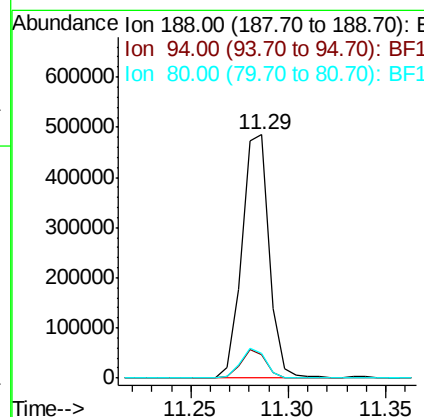
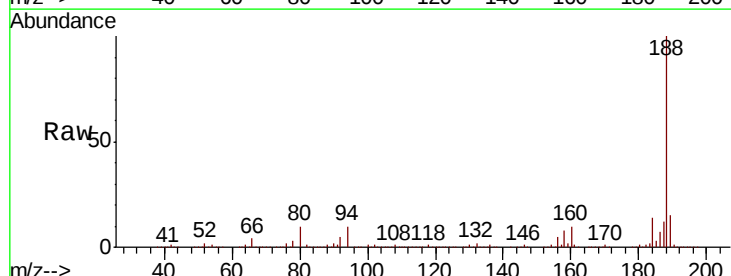
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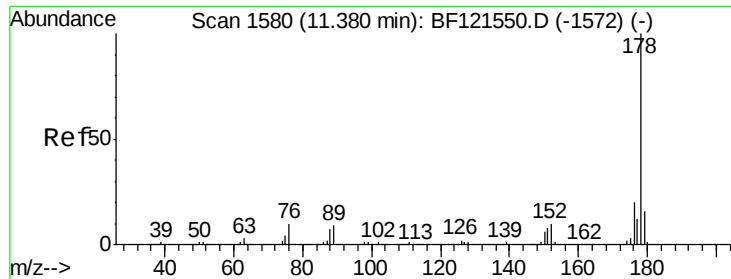
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.3	12.5
80	10.1	9.1	13.7





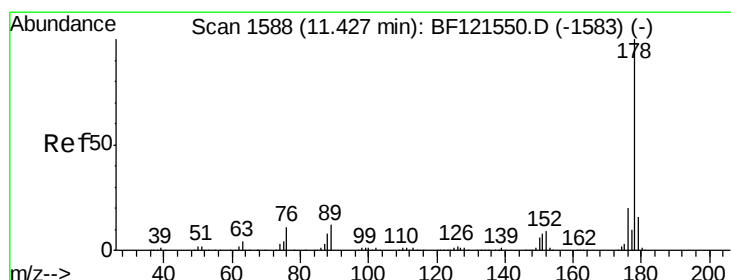
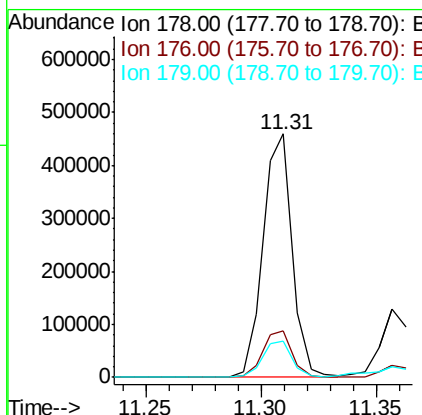
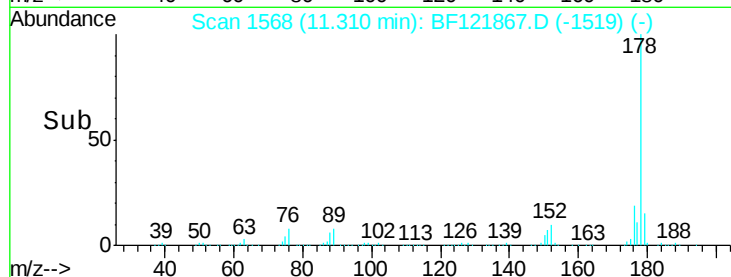
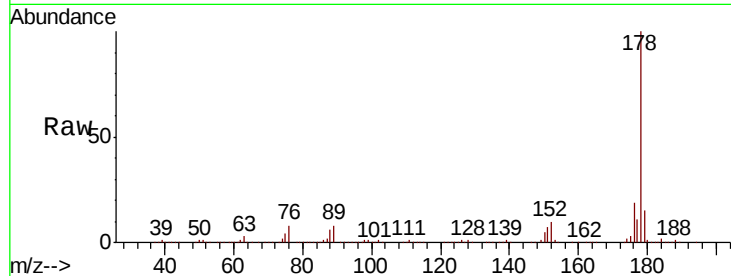
#71
Phenanthrene
Concen: 15.796 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	14.8	12.2	18.4

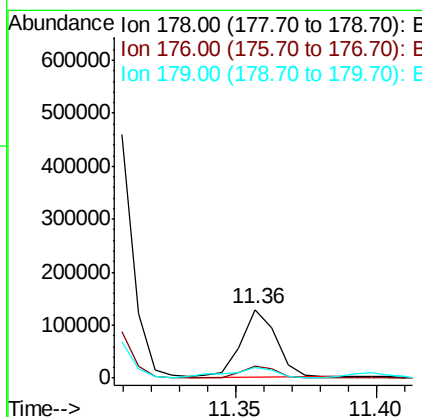
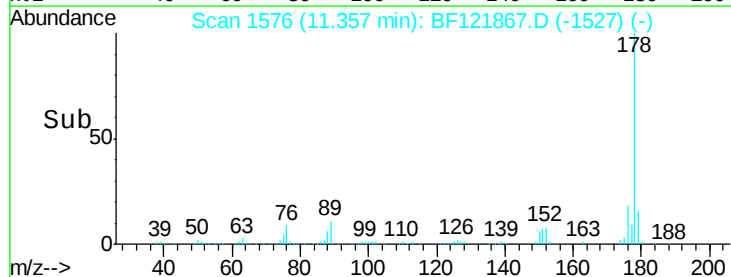
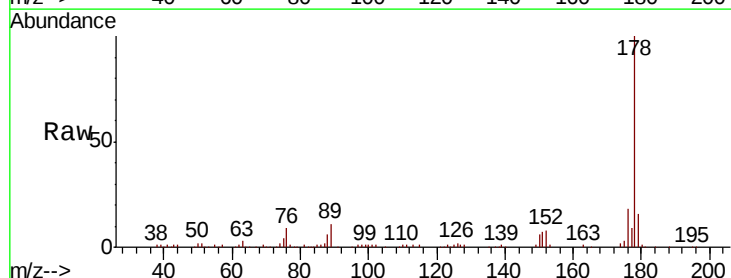
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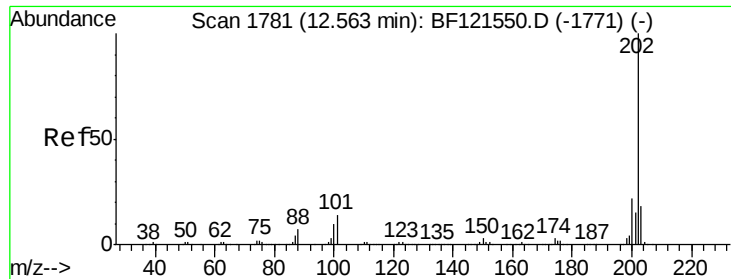
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#72
Anthracene
Concen: 4.189 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.7	23.5
179	15.7	12.7	19.1





#75

Fluoranthene

Concen: 12.267 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Instrument :

BNA_F

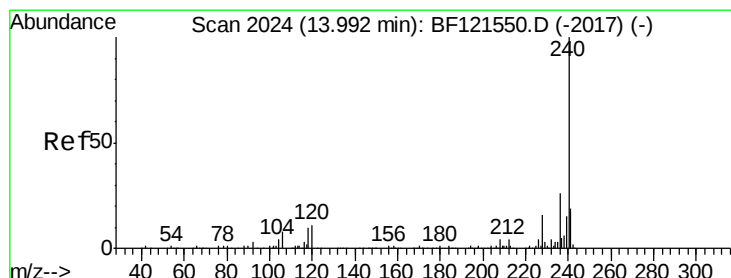
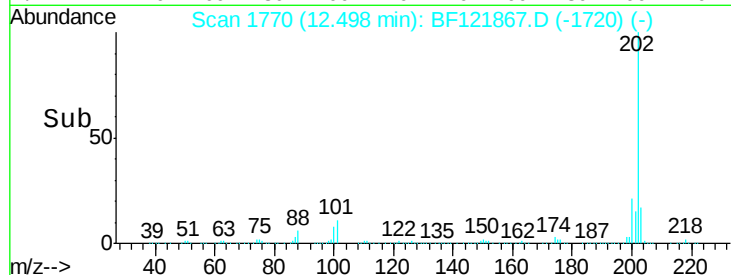
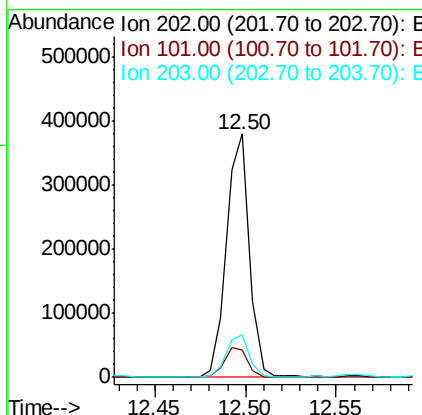
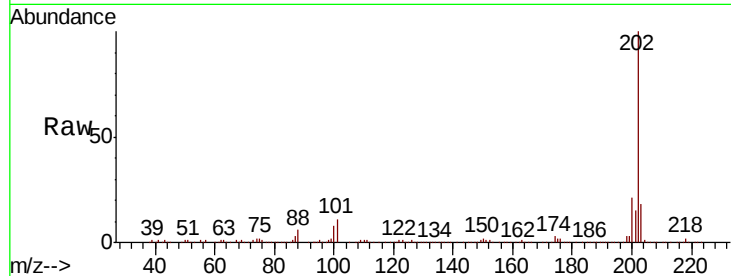
ClientSampleId :

PAV-B18-092920-0-10

Tot Ion	Ratio	Resp	Lower	Upper
202	100	335695		
101	11.2	0.0	33.4	
203	17.5	0.0	37.9	

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#76

Chrysene-d12

Concen: 20.000 ng

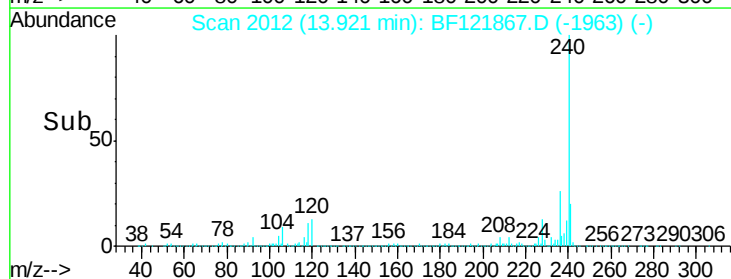
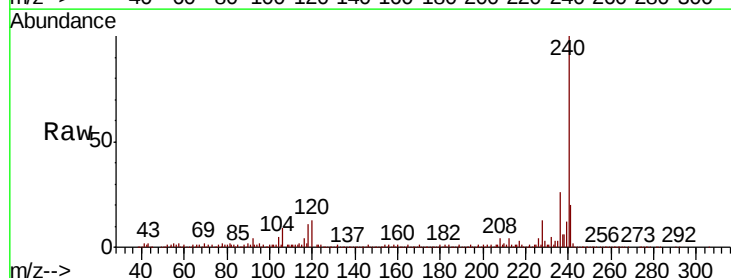
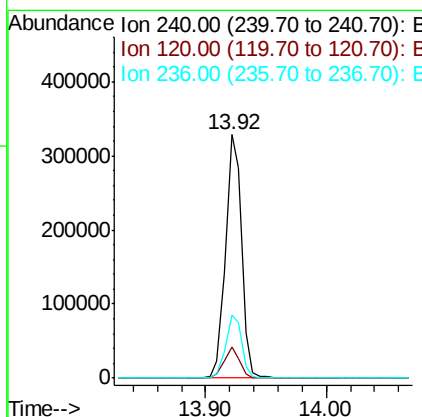
RT: 13.92 min Scan# 2012

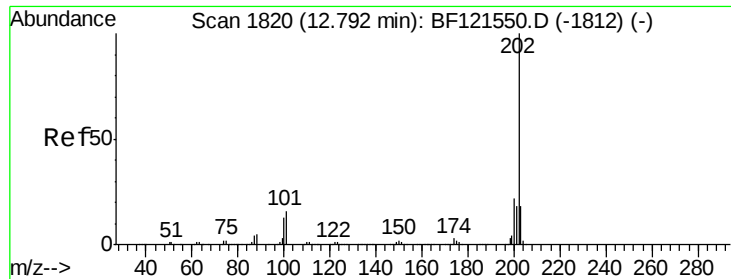
Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	303310		
120	12.9	9.2	13.8	
236	26.1	20.9	31.3	





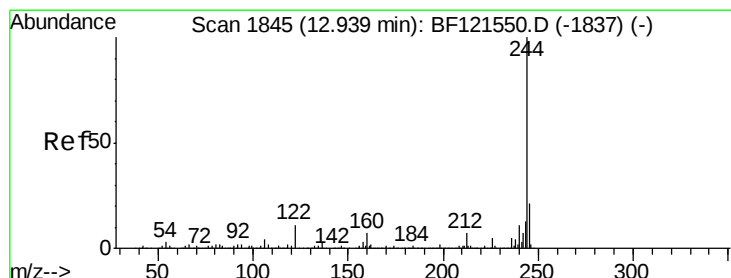
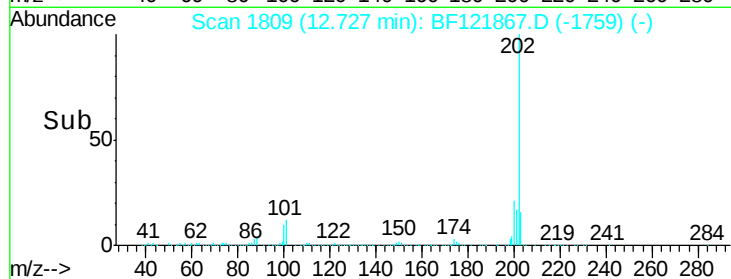
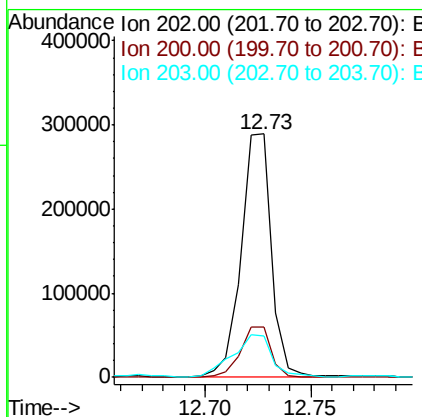
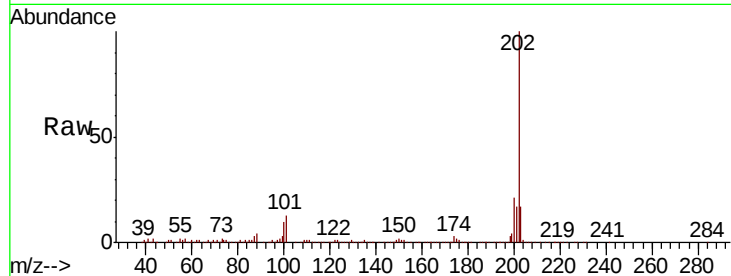
#78
Pvrene
Concen: 12.933 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Resp	Lower	Upper
202	100	286613		
200	20.8		17.4	26.2
203	17.0		14.6	21.8

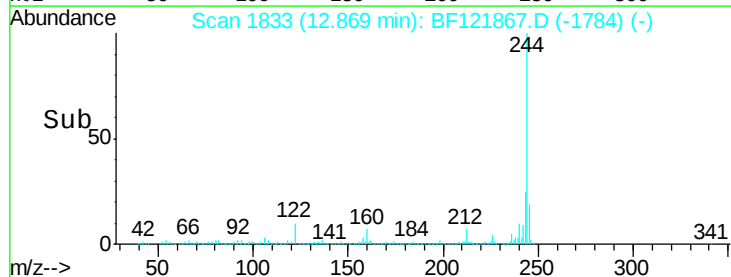
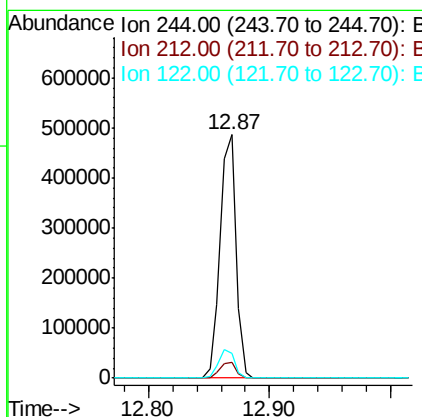
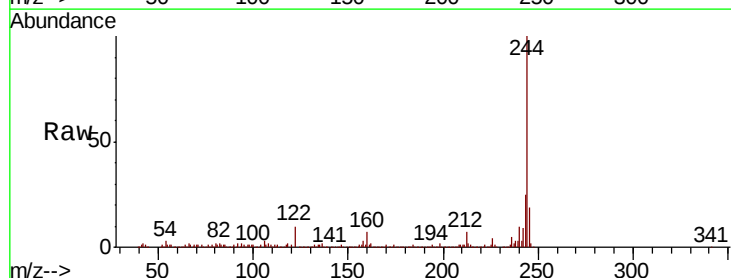
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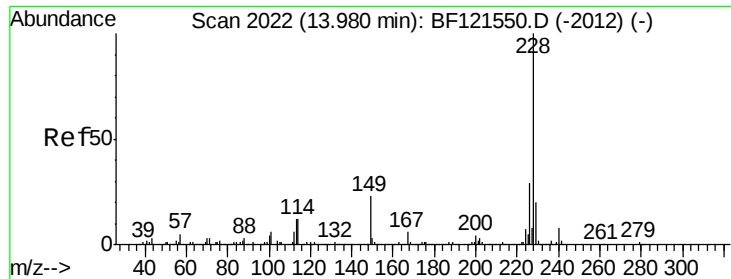
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#79
Terphenyl-d14
Concen: 29.449 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	440898		
212	6.5		5.4	8.2
122	10.1		8.1	12.1





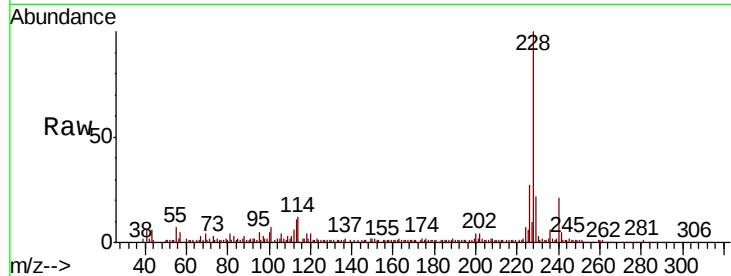
#81
Benzo(a)anthracene
Concen: 6.059 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.3	33.5
229	21.6	16.2	24.4

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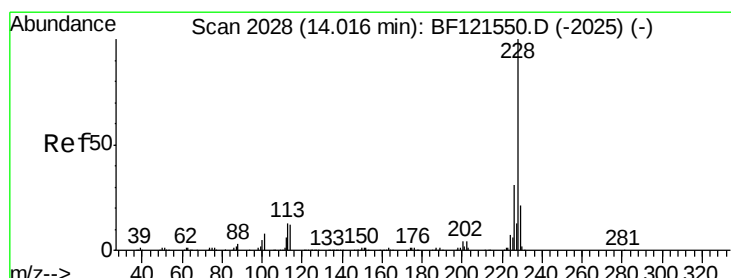
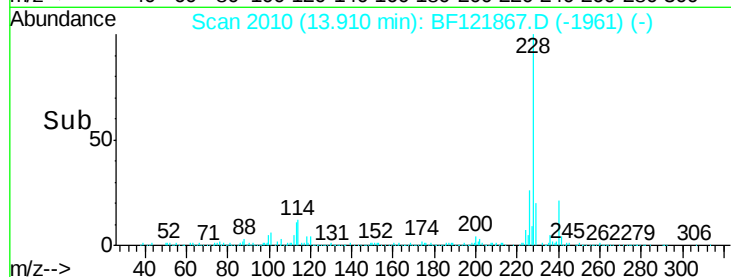
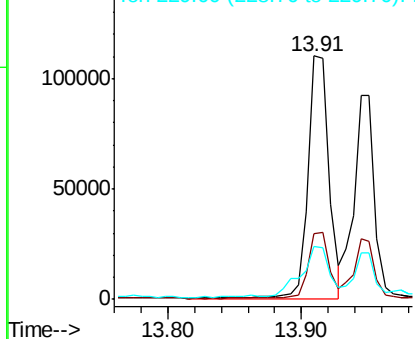


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 5.060 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

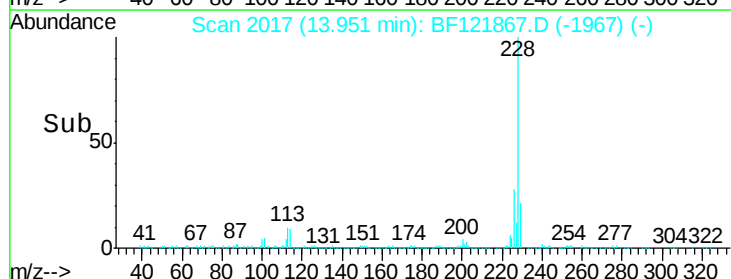
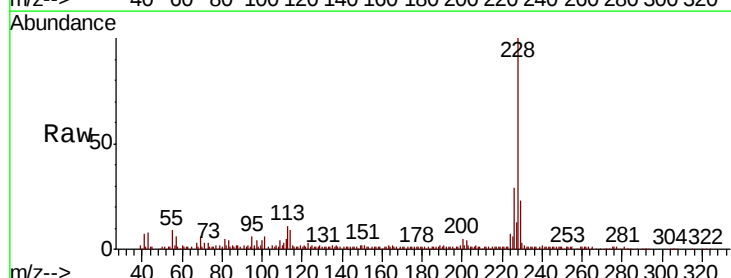
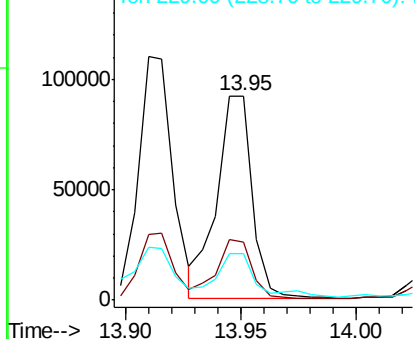
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.6	37.0
229	22.8	15.9	23.9

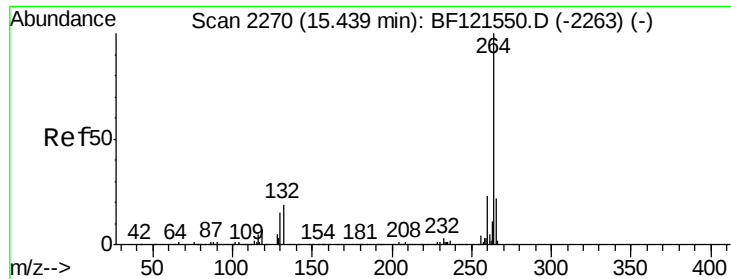
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





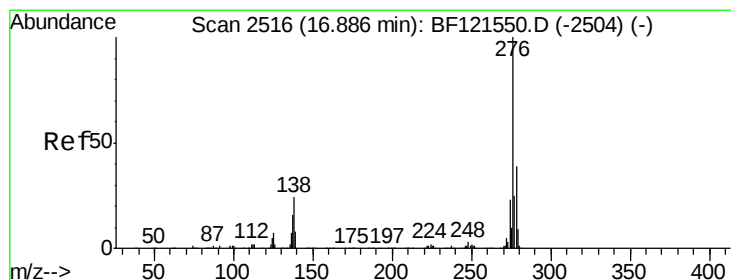
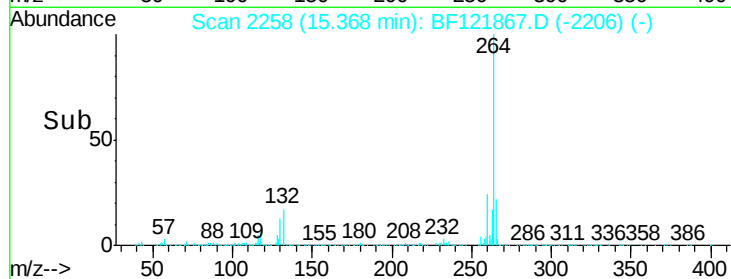
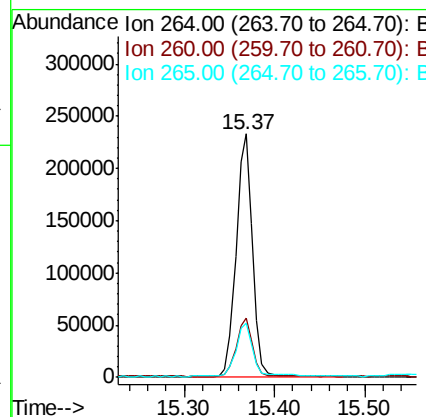
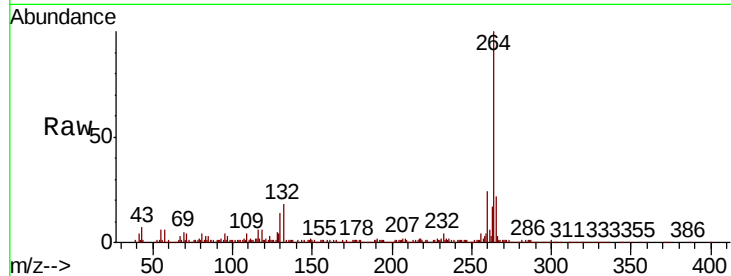
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.3	17.3	25.9

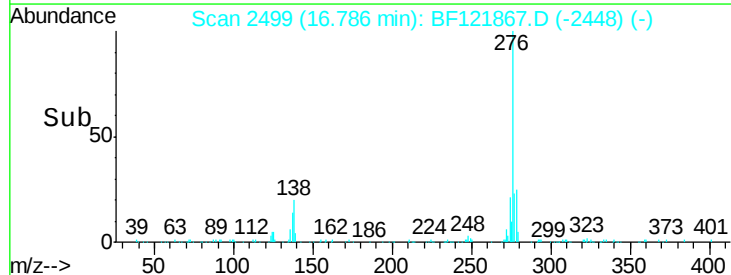
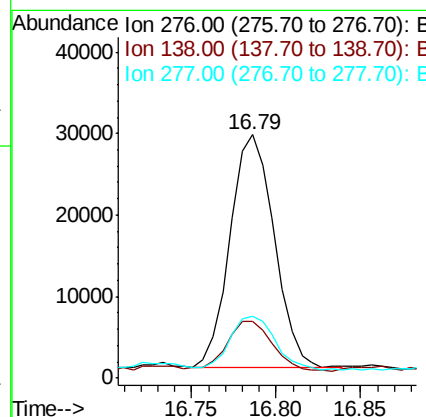
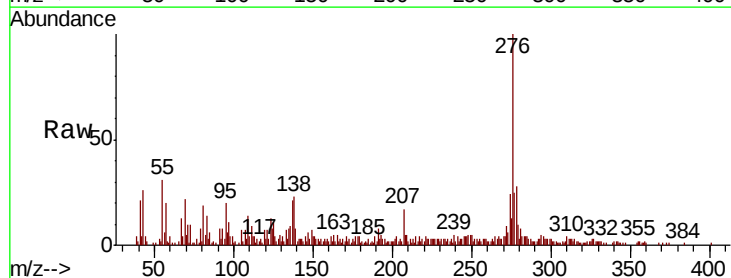
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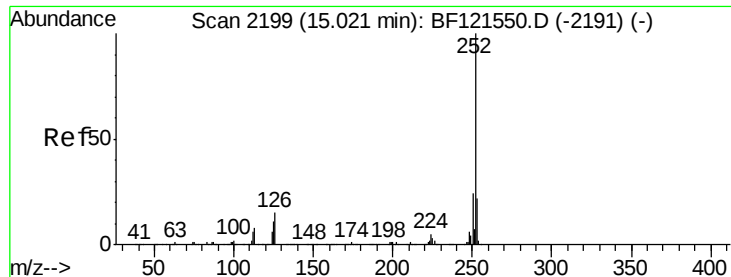
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.709 ng
RT: 16.79 min Scan# 2499
Delta R.T. 0.00 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.9	29.9
277	23.9	20.4	30.6





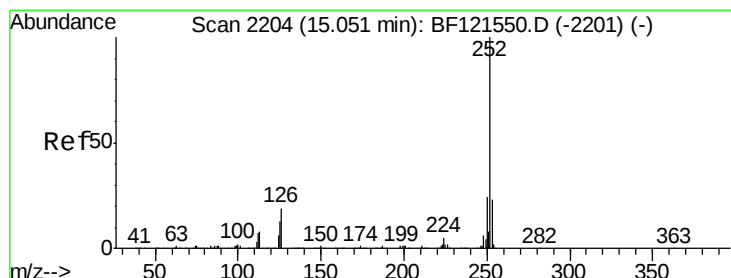
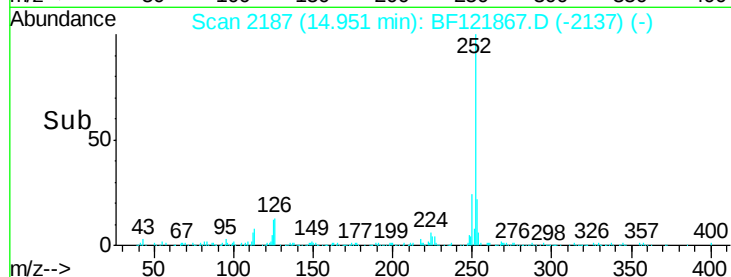
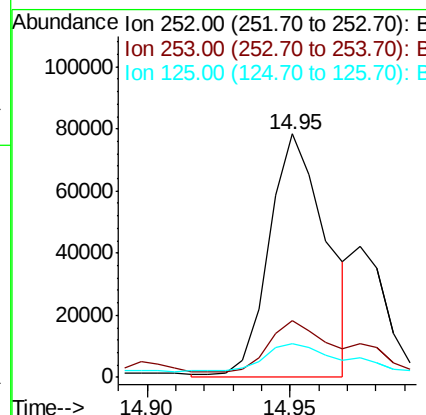
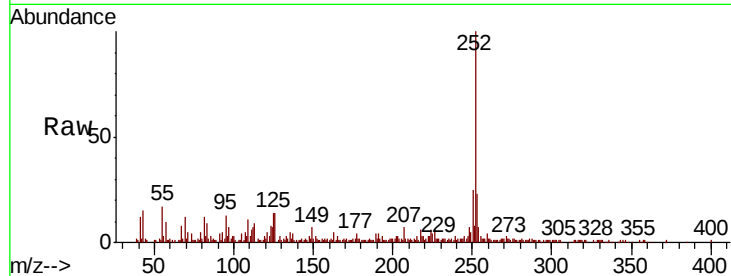
#88
Benzo(b)fluoranthene
Concen: 5.628 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	13.7	8.0	12.0

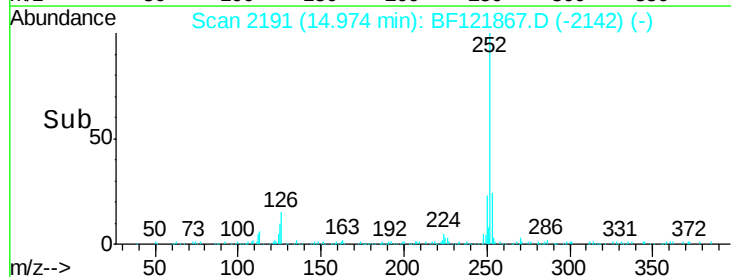
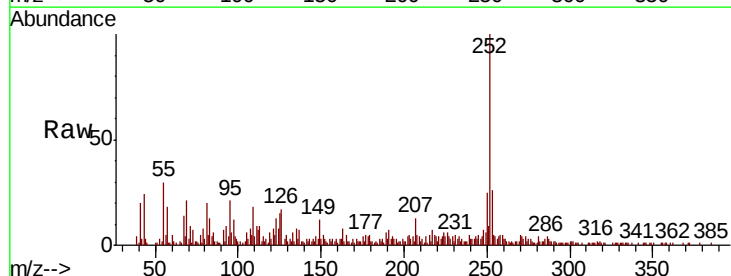
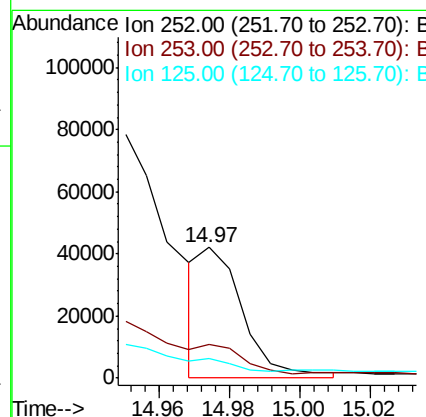
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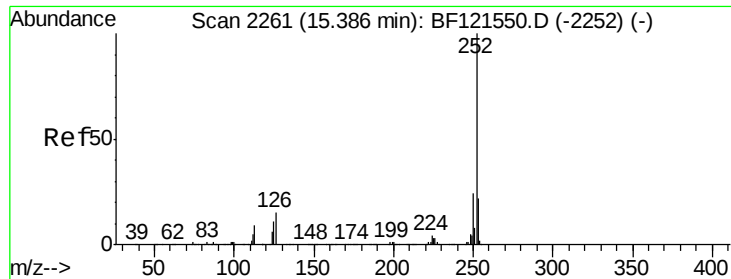
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#89
Benzo(k)fluoranthene
Concen: 2.006 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.6
125	14.9	7.7	11.5





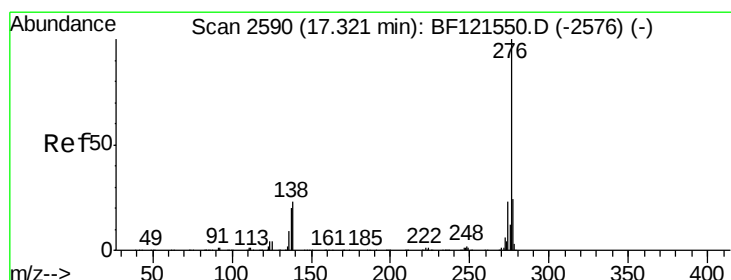
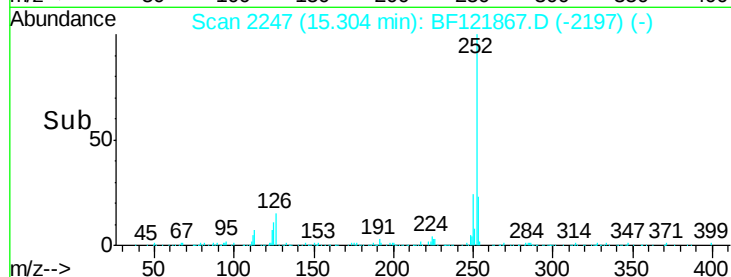
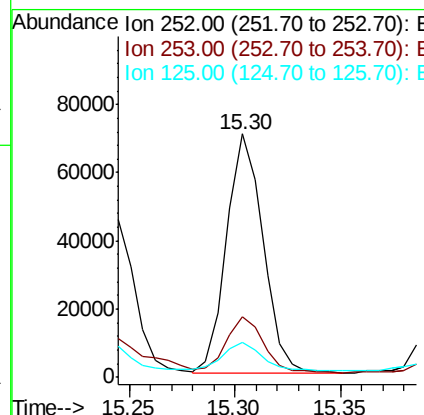
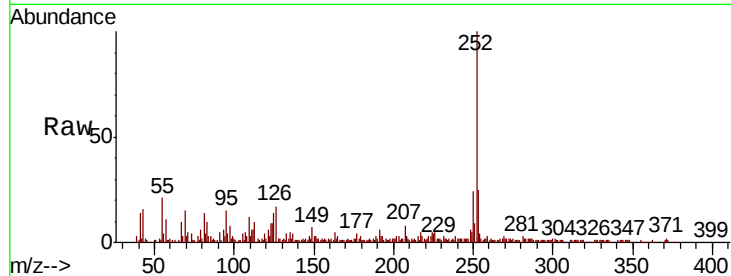
#90
Benzo(a)pyrene
Concen: 5.047 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	14.3	8.6	13.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.687 ng
RT: 17.22 min Scan# 2572
Delta R.T. 0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.4	29.2
138	25.2	17.8	26.6

