

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121872.D
 Acq On : 7 Oct 2020 14:23
 Operator : JU/CG
 Sample : L4190-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-DP

Manual Integrations
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Quant Time: Oct 07 15:12:52 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	100134	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	365086	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	165567	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	276315	20.00	ng	0.00
76) Chrysene-d12	13.93	240	249836	20.00	ng	0.00
86) Perylene-d12	15.38	264	216952	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	571501	84.82	ng	0.00
7) Phenol-d6	6.41	99	700516	79.25	ng	0.00
23) Nitrobenzene-d5	7.33	82	474342	69.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	151153	73.45	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	750611	68.66	ng	-0.01
79) Terphenyl-d14	12.87	244	654267	53.05	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.52	163	64627	5.386	ng	98
52) Acenaphthene	9.83	154	20569	2.029	ng	99
71) Phenanthrene	11.31	178	215162	14.292	ng	98
72) Anthracene	11.36	178	63508	4.088	ng	98
75) Fluoranthene	12.50	202	247636	15.409	ng	99
78) Pyrene	12.73	202	223314	12.234	ng	100
81) Benzo(a)anthracene	13.92	228	121599	7.693	ng	98
83) Chrysene	13.95	228	103218	6.449	ng	96
87) Indeno(1,2,3-cd)pyrene	16.81	276	42256	2.991	ng	96
88) Benzo(b)fluoranthene	14.96	252	126063m	8.692	ng	
89) Benzo(k)fluoranthene	14.99	252	40224m	3.029	ng	
90) Benzo(a)pyrene	15.32	252	84024	6.815	ng	# 88
92) Benzo(a,h,i)perylene	17.24	276	50898	4.403	ng	# 91

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

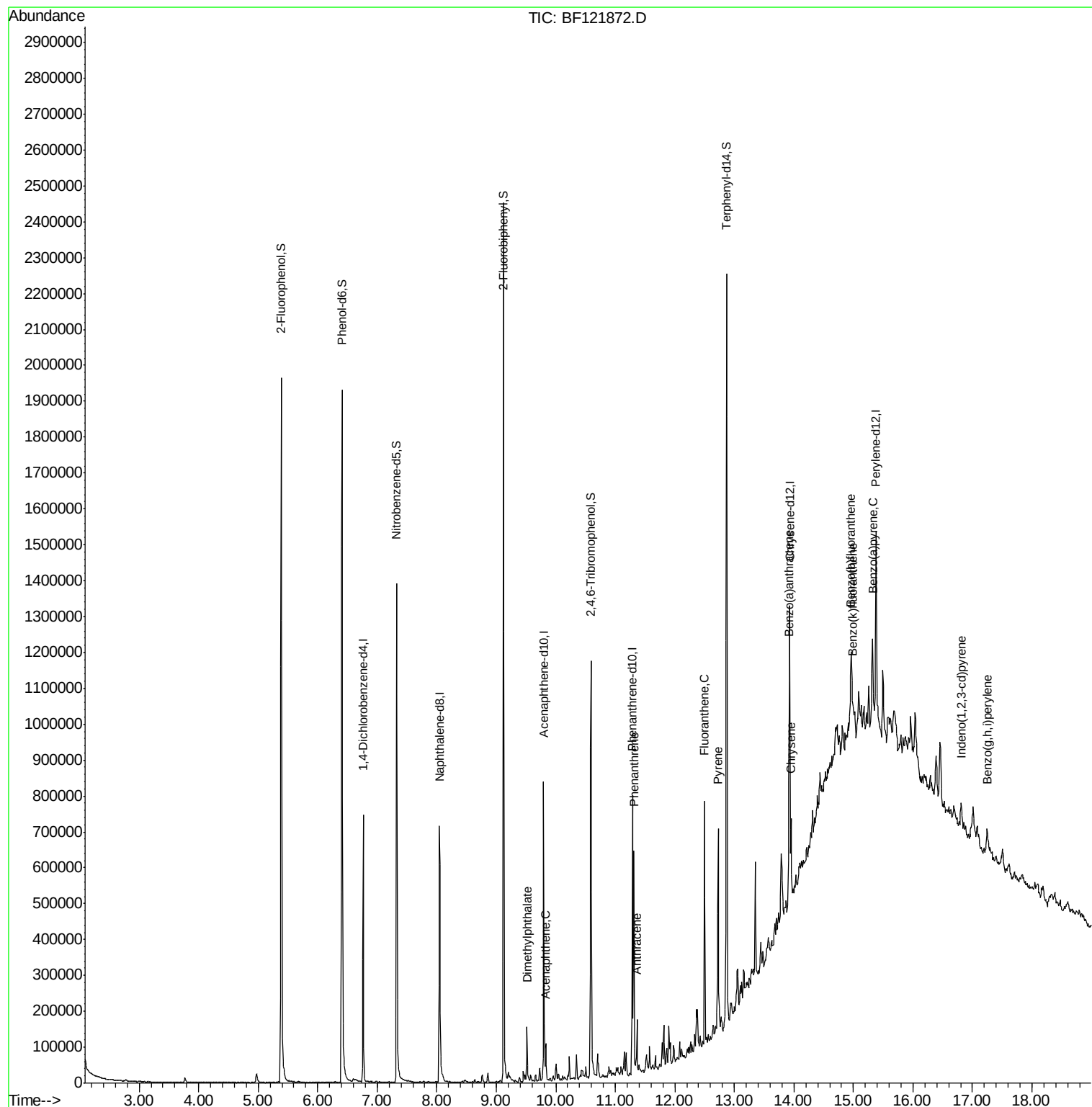
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
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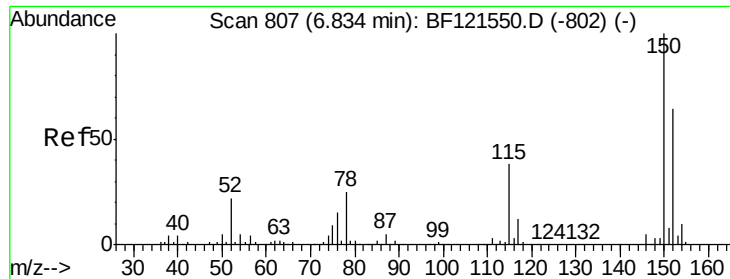
Instrument :
BNA_F
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PAV-B18-092920-DP

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
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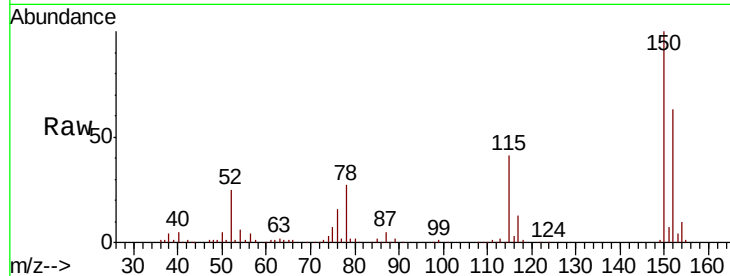
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF121872.D
 Acq: 7 Oct 2020 14:23

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.3	187.9
115	64.3	51.9	77.9

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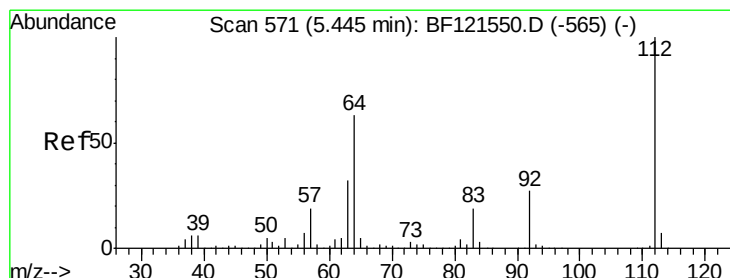
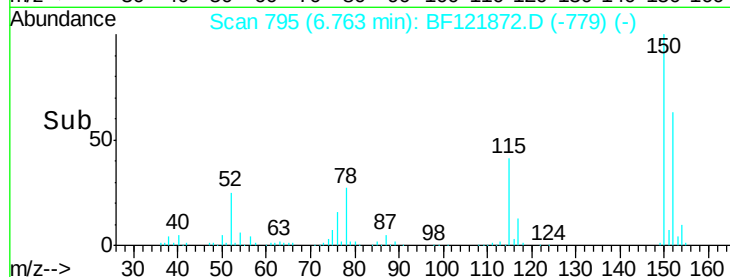
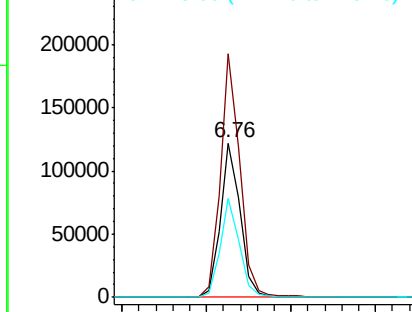


Abundance

Ion 152.00 (151.70 to 152.70): E

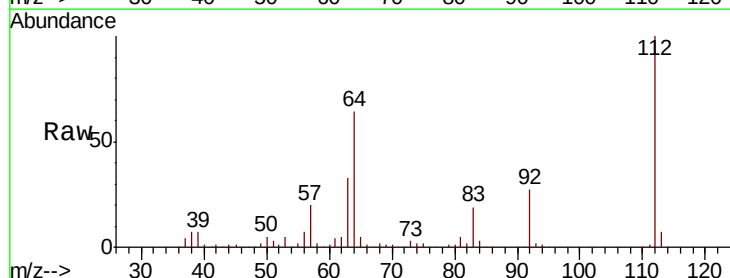
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 84.819 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF121872.D
 Acq: 7 Oct 2020 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	50.4	75.6
63	32.6	25.8	38.6

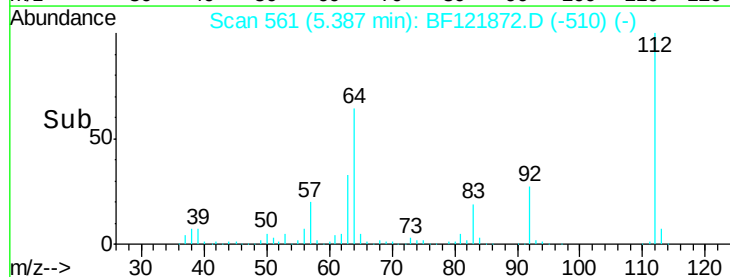
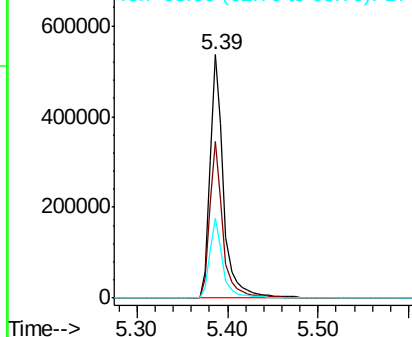


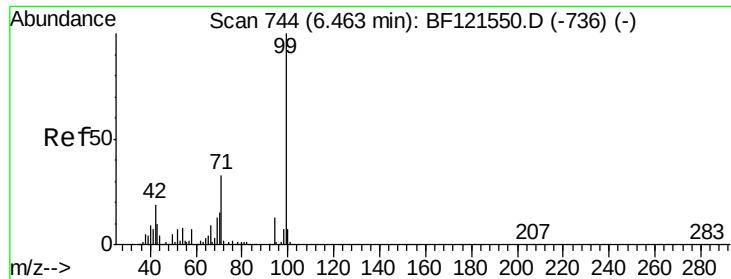
Abundance

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: 79.246 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121872.D

Acq: 7 Oct 2020 14:23

Instrument :

BNA_F

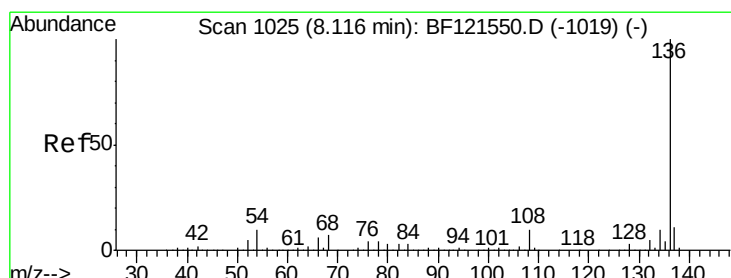
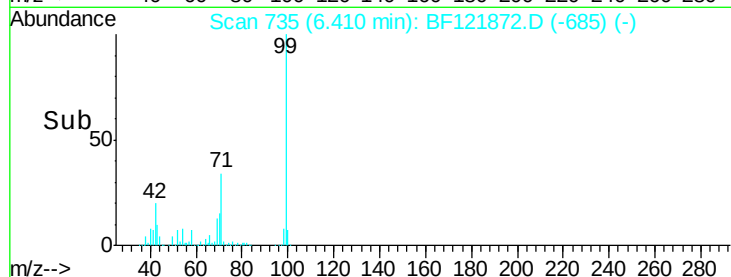
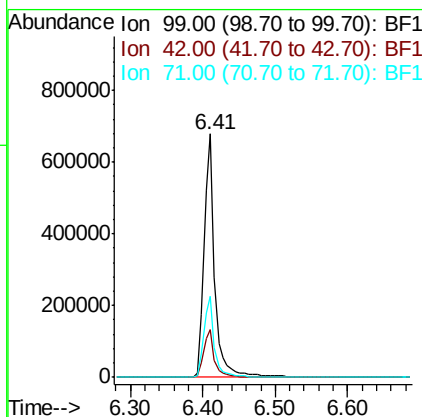
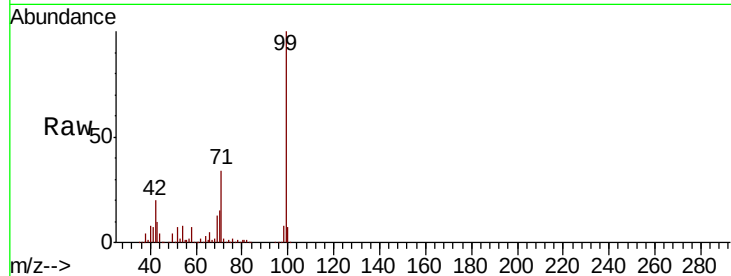
ClientSampleId :

PAV-B18-092920-DP

Tot Ion:	99	Resp:	700516
Ion Ratio	Lower	Upper	
99	100		
42	19.6	15.9	23.9
71	33.6	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

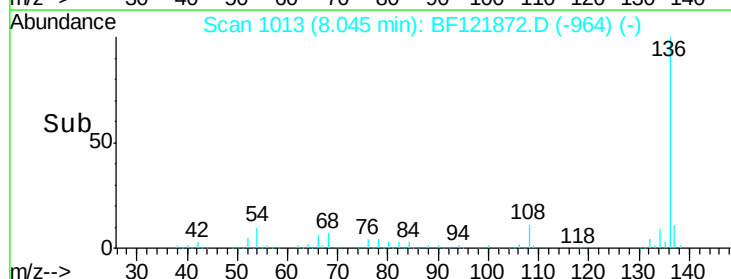
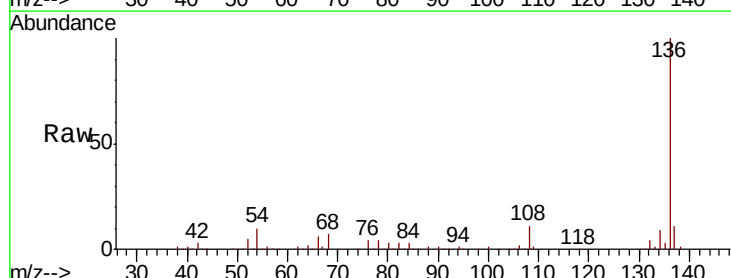
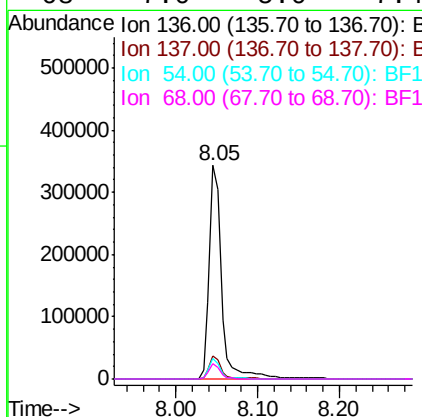
RT: 8.05 min Scan# 1013

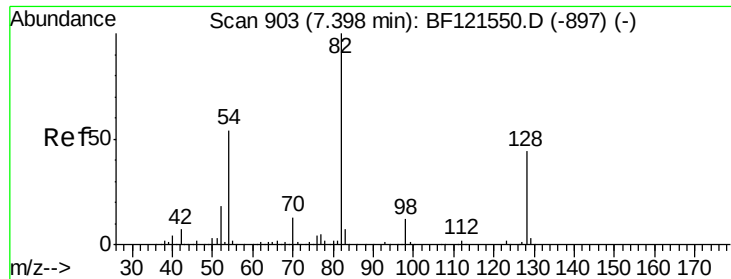
Delta R.T. -0.01 min

Lab File: BF121872.D

Acq: 7 Oct 2020 14:23

Tgt Ion:	136	Resp:	365086
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.8	7.1	10.7
68	7.0	5.0	7.4





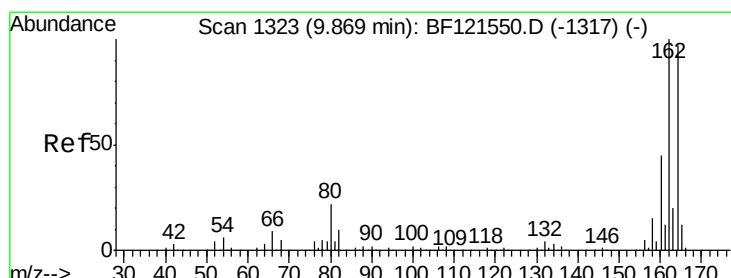
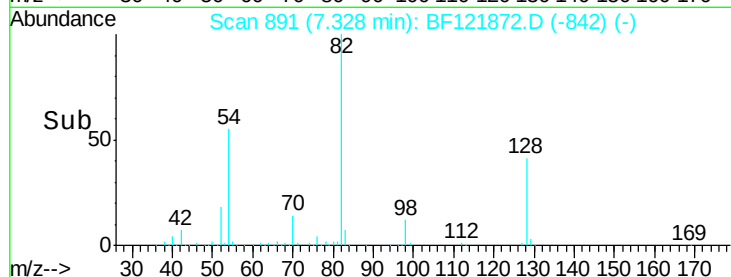
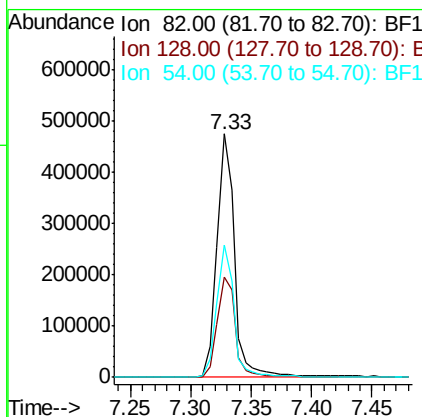
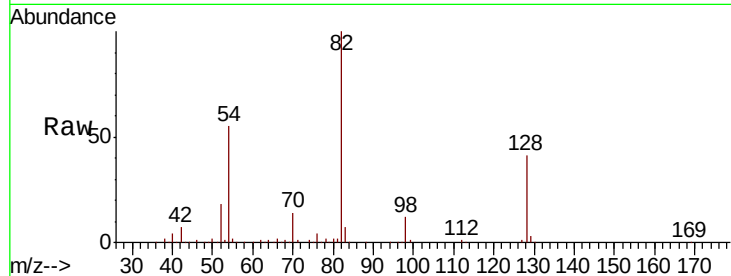
#23
Nitrobenzene-d5
Concen: 69.760 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121872.D
Acq: 7 Oct 2020 14:23

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	35.0	52.4
54	54.5	43.9	65.9

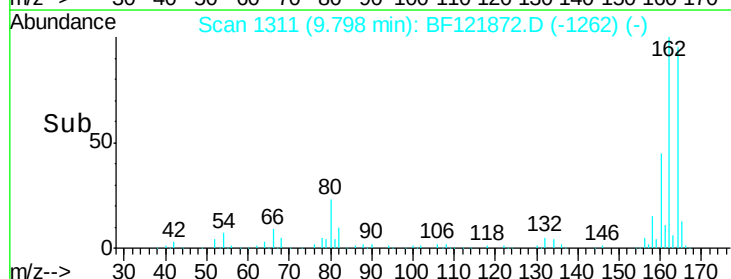
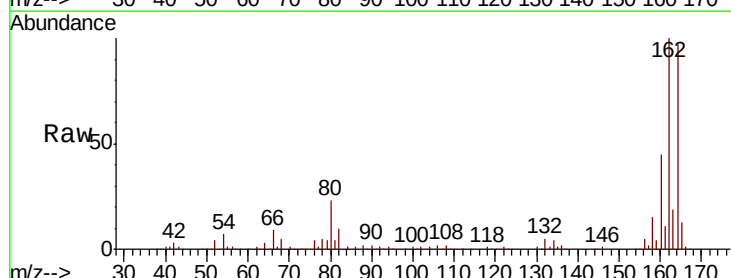
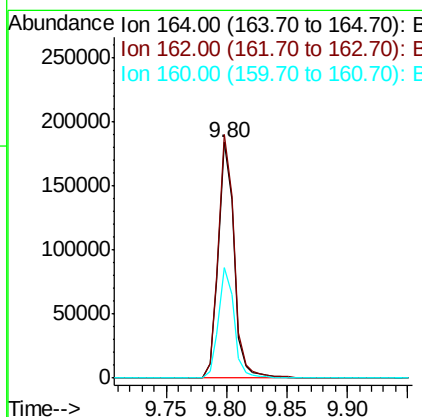
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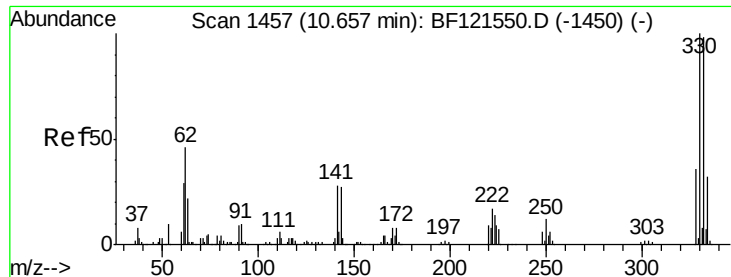
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121872.D
Acq: 7 Oct 2020 14:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.2	124.8
160	46.9	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 73.455 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121872.D

Acq: 7 Oct 2020 14:23

Instrument :

BNA_F

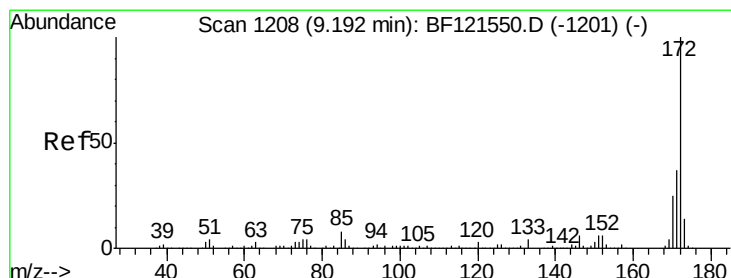
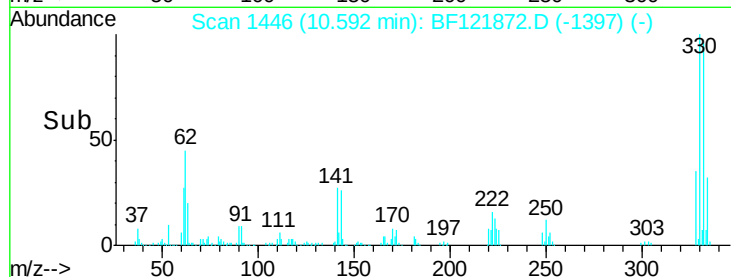
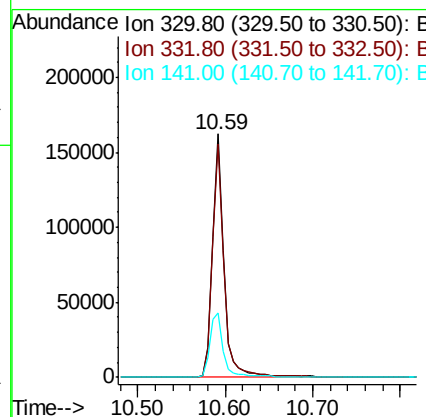
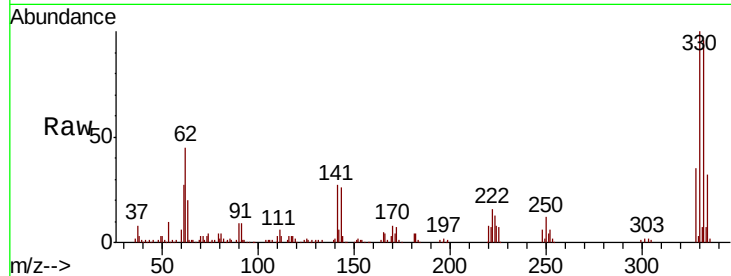
ClientSampleId :

PAV-B18-092920-DP

Tot Ion:	330	Resp:	151153
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.3	115.9
141	31.1	22.3	33.5

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#45

2-Fluorobiphenyl

Concen: 68.662 ng

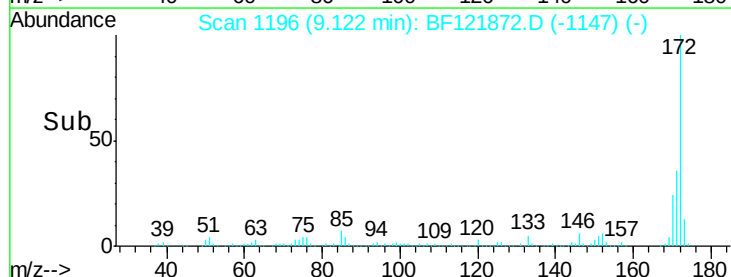
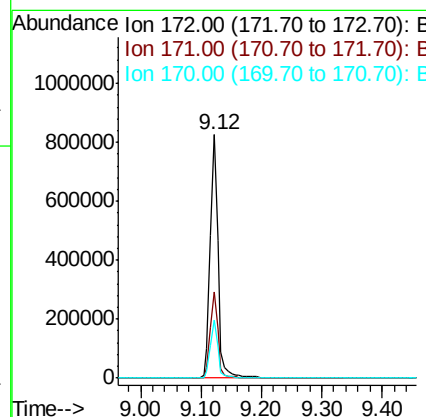
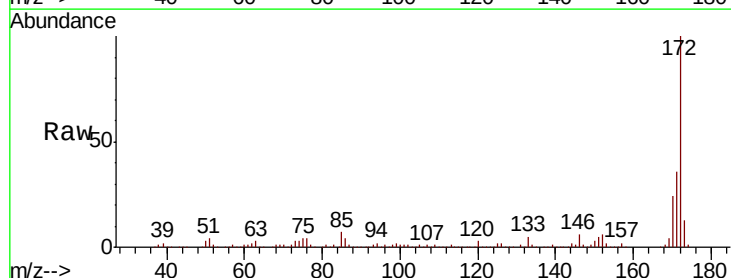
RT: 9.12 min Scan# 1196

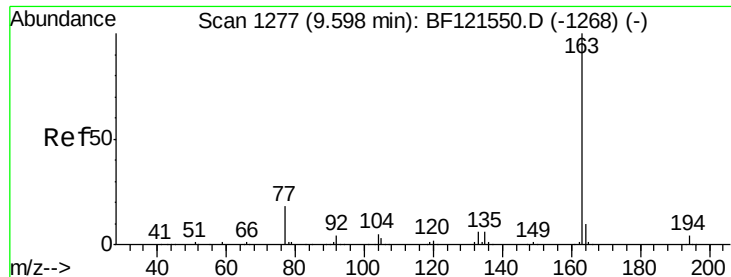
Delta R.T. -0.01 min

Lab File: BF121872.D

Acq: 7 Oct 2020 14:23

Tgt Ion:	172	Resp:	750611
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.1	43.7
170	23.9	19.8	29.6





#50

Dimethylphthalate

Concen: 5.386 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121872.D

Acq: 7 Oct 2020 14:23

Instrument :

BNA_F

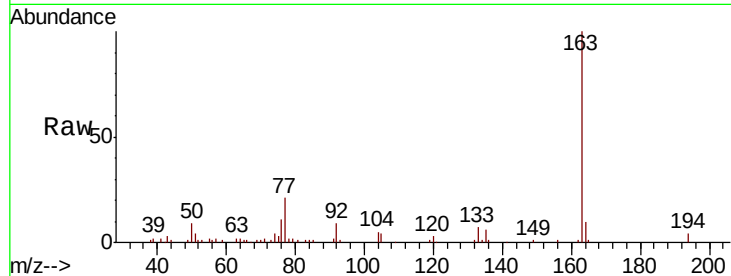
ClientSampleId :

PAV-B18-092920-DP

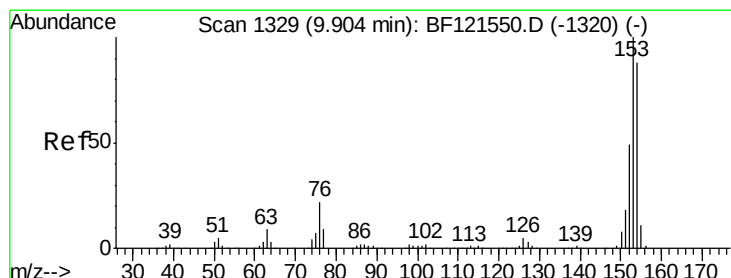
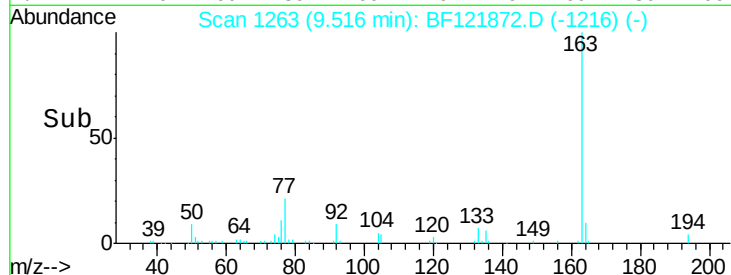
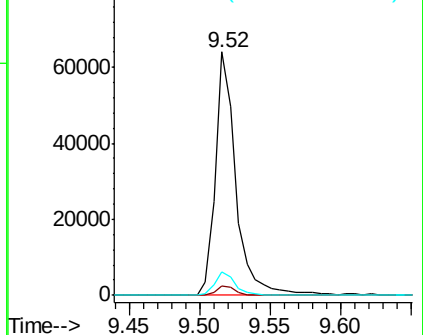
Tot Ion:	163	Resp:	64627
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.3	4.9
164	9.5	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 2.029 ng

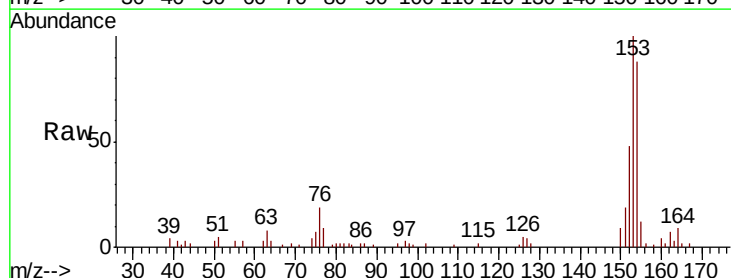
RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

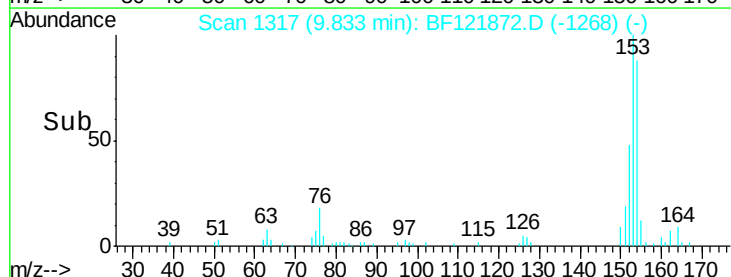
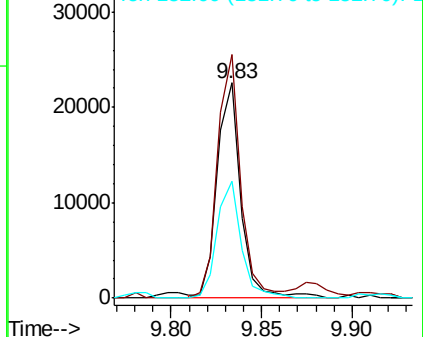
Lab File: BF121872.D

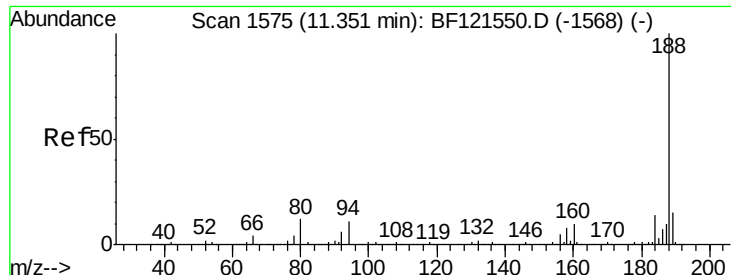
Acq: 7 Oct 2020 14:23

Tgt Ion:	154	Resp:	20569
Ion Ratio	Lower	Upper	
154	100		
153	113.2	89.8	134.8
152	54.6	43.2	64.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





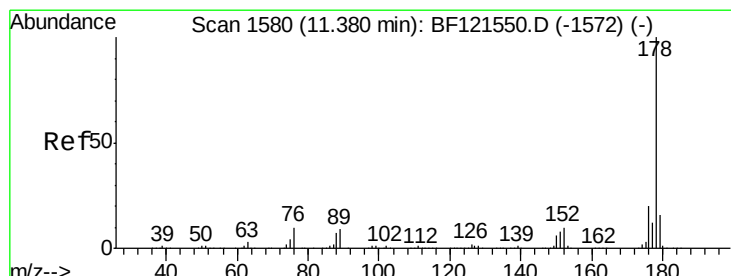
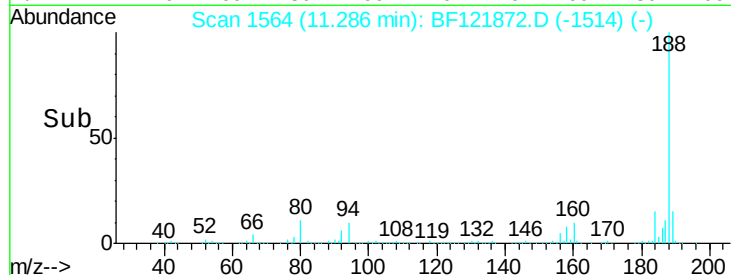
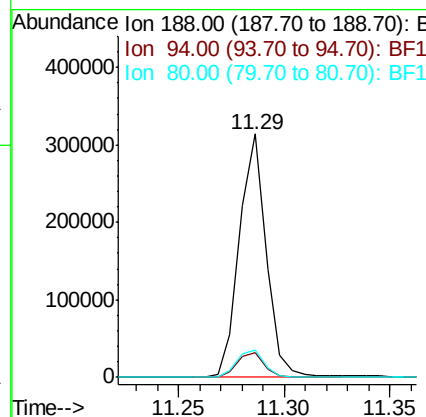
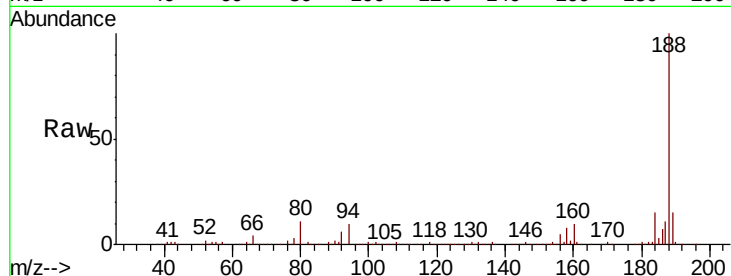
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121872.D
Acq: 7 Oct 2020 14:23

Instrument :
BNA_F
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PAV-B18-092920-DP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	8.3	12.5
80	11.1	9.1	13.7

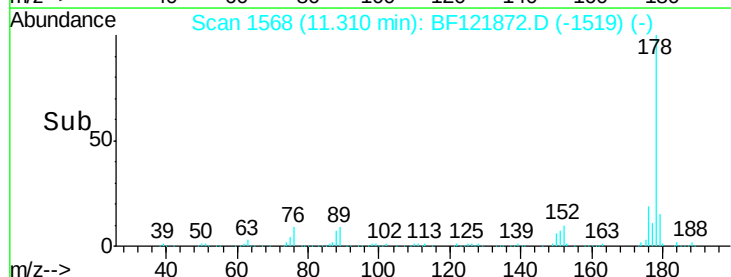
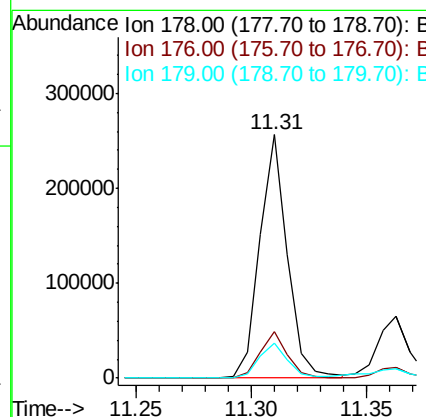
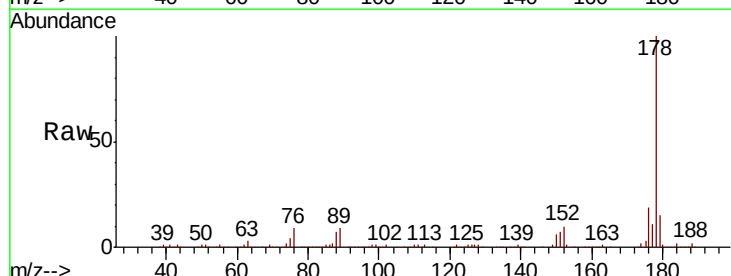
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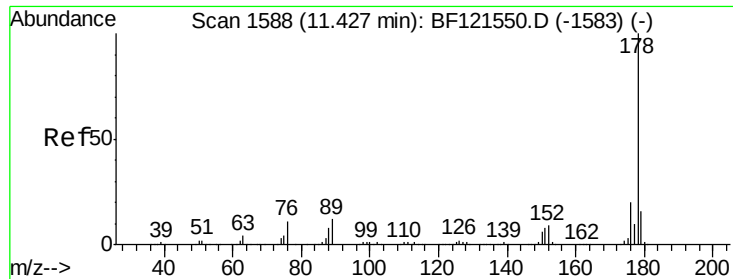
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#71
Phenanthrene
Concen: 14.292 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121872.D
Acq: 7 Oct 2020 14:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.9	23.9
179	14.6	12.2	18.4





#72

Anthracene

Concen: 4.088 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF121872.D

Acq: 7 Oct 2020 14:23

Instrument :

BNA_F

ClientSampleId :

PAV-B18-092920-DP

Tot Ion:178 Resp: 63508

Ion Ratio Lower Upper

178 100

176 18.2 15.7 23.5

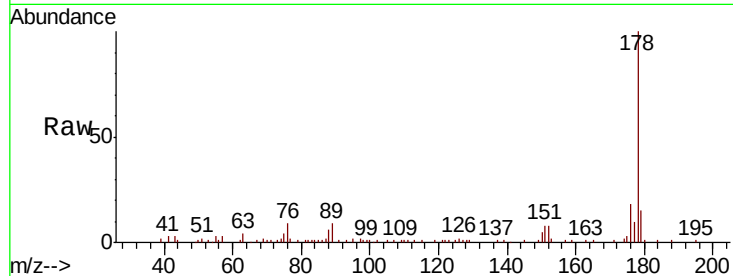
179 15.2 12.7 19.1

Manual Integrations

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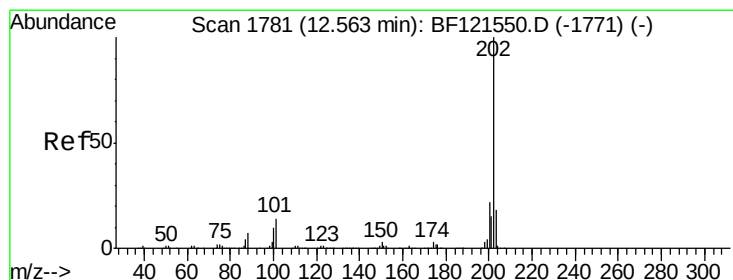
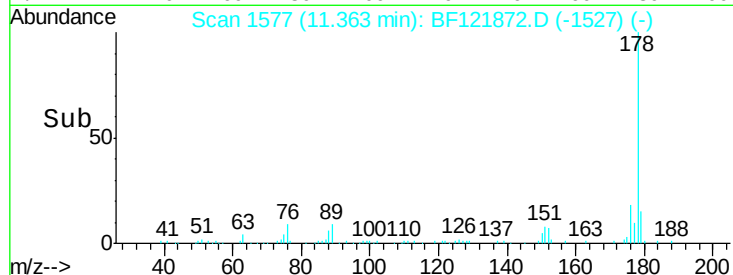
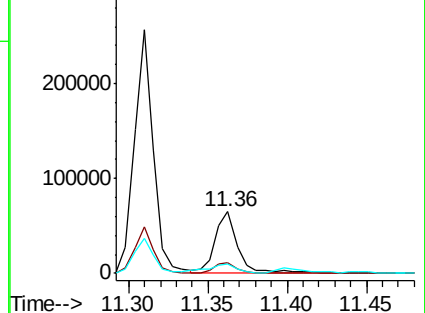
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 15.409 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121872.D

Acq: 7 Oct 2020 14:23

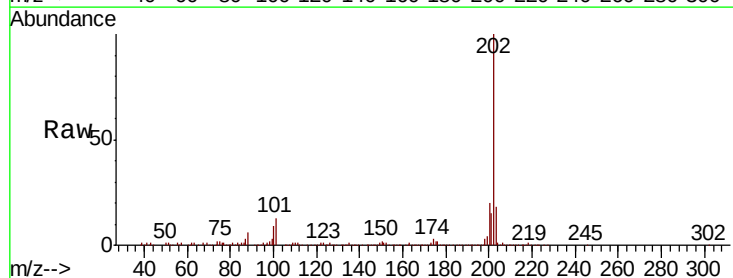
Tgt Ion:202 Resp: 247636

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.4

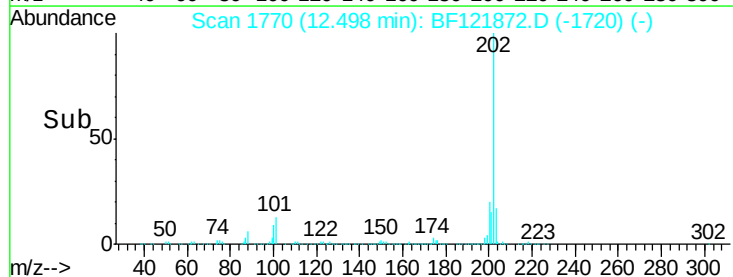
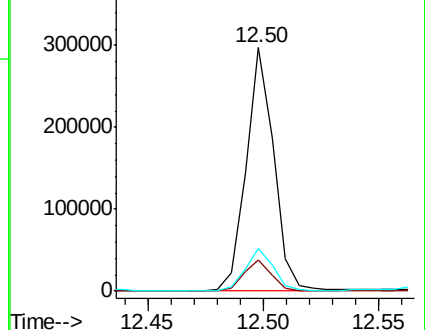
203 17.6 0.0 37.9

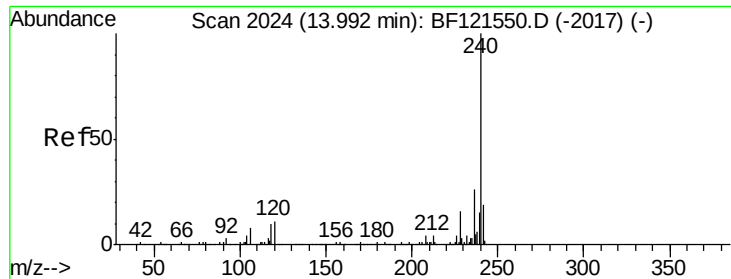


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF121872.D

Acq: 7 Oct 2020 14:23

Instrument :

BNA_F

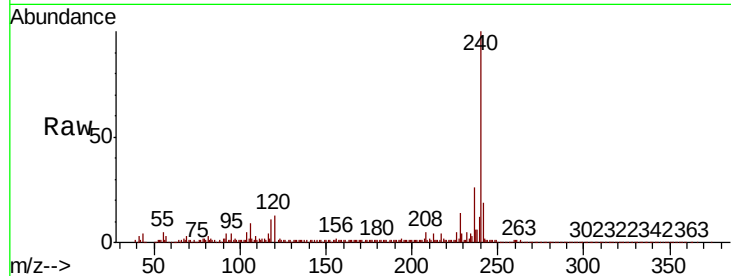
ClientSampleId :

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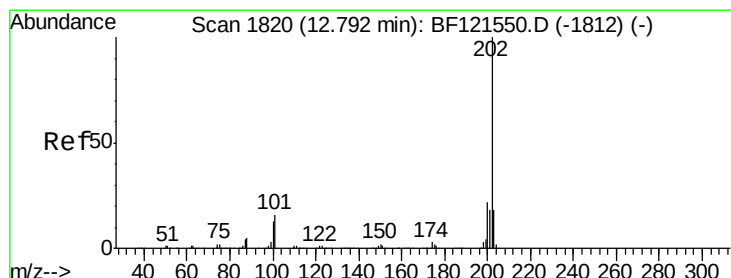
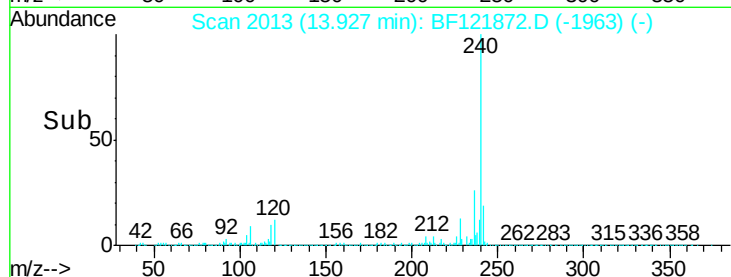
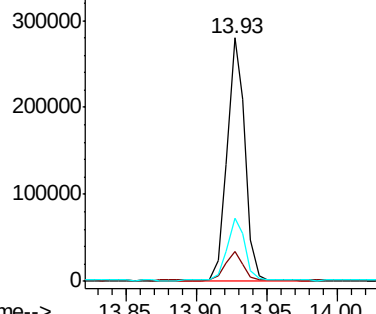
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.2	13.8
236	25.9	20.9	31.3

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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

Pyrene

Concen: 12.234 ng

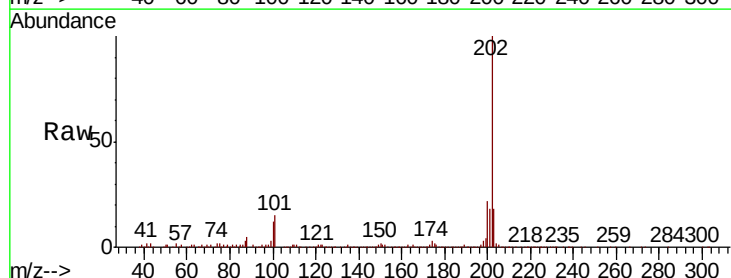
RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

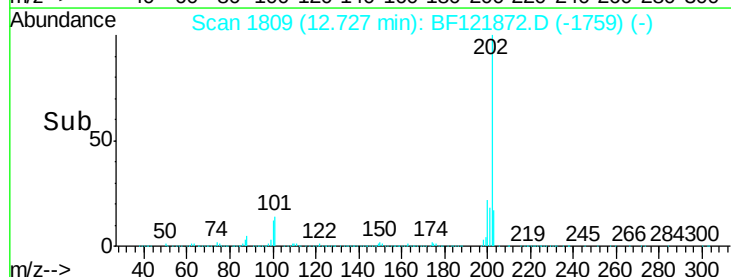
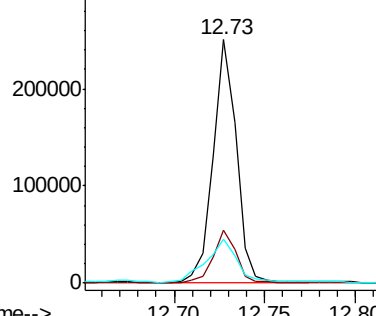
Lab File: BF121872.D

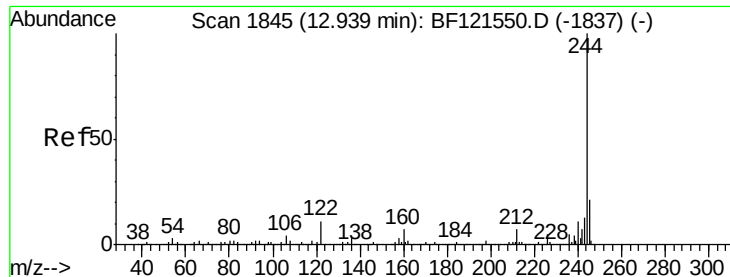
Acq: 7 Oct 2020 14:23

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



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





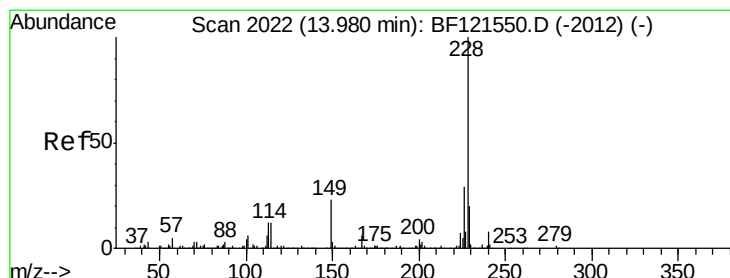
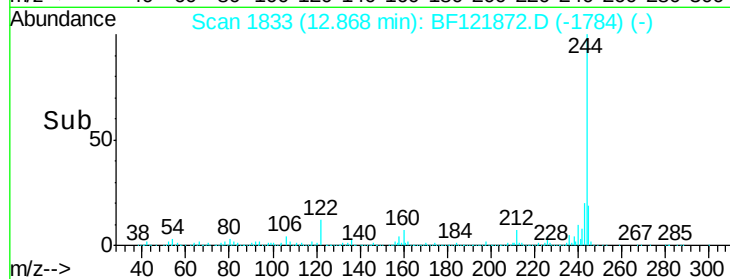
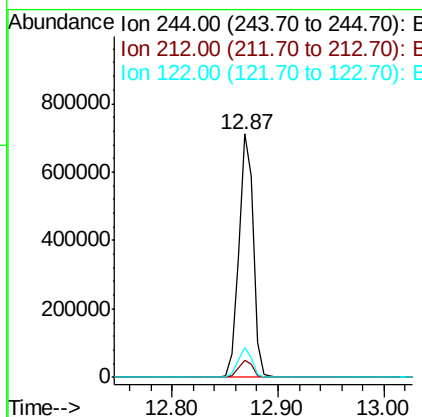
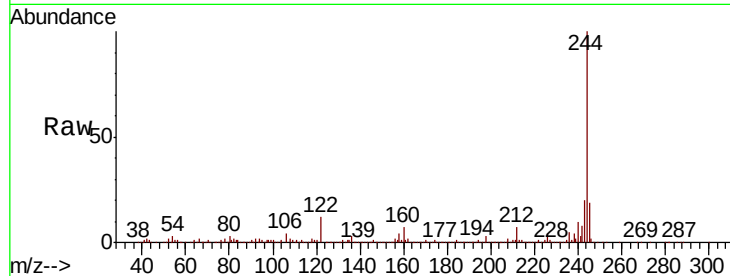
#79
 Terphenyl-d14
 Concen: 53.054 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121872.D
 Acq: 7 Oct 2020 14:23

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	12.1	8.1	12.1

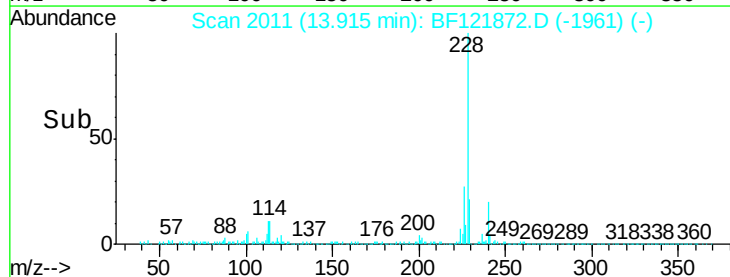
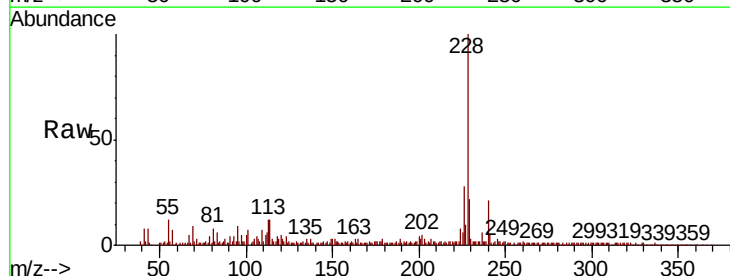
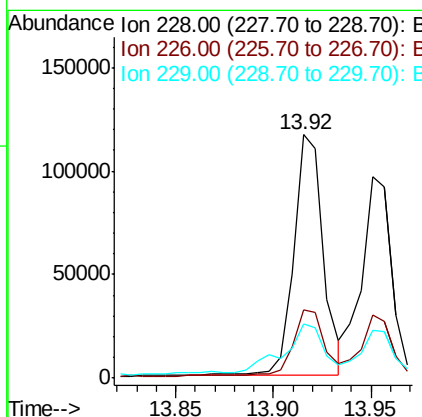
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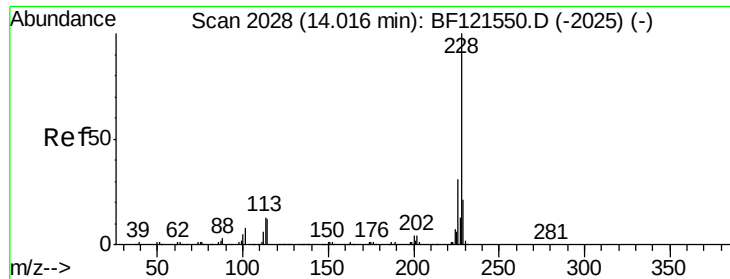
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#81
 Benzo(a)anthracene
 Concen: 7.693 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF121872.D
 Acq: 7 Oct 2020 14:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.3	33.5
229	22.2	16.2	24.4





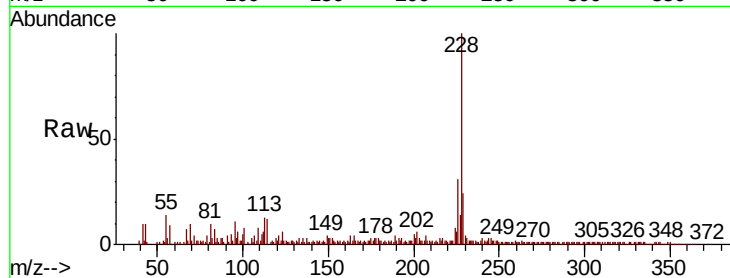
#83
Chrysene
Concen: 6.449 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121872.D
Acq: 7 Oct 2020 14:23

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

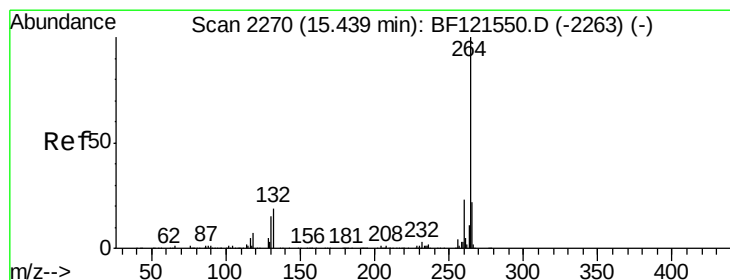
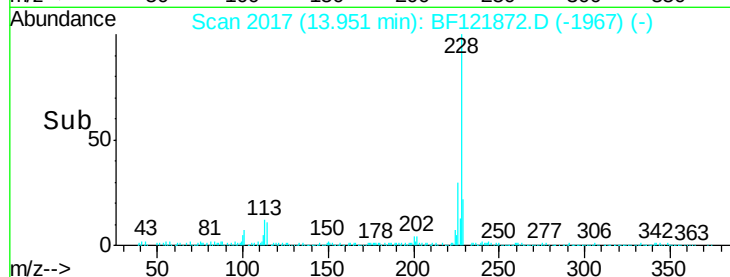
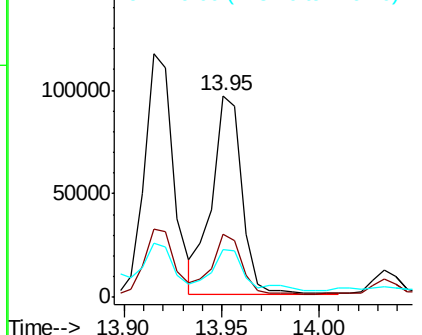
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	23.7	15.9	23.9

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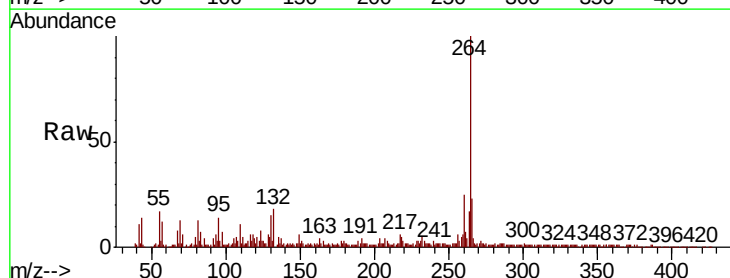


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

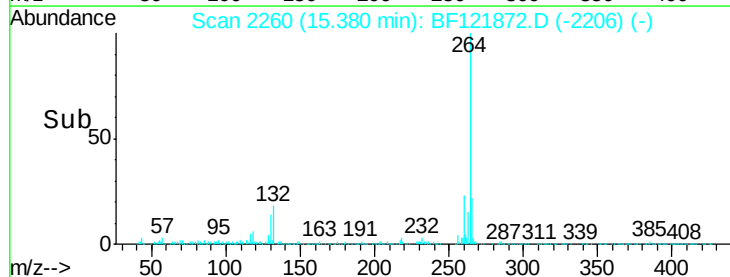
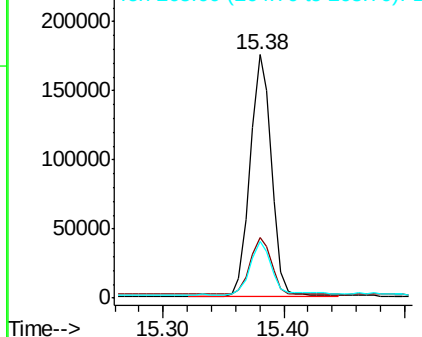


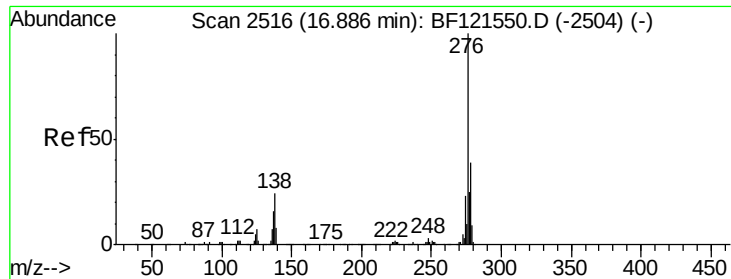
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121872.D
Acq: 7 Oct 2020 14:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	23.2	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





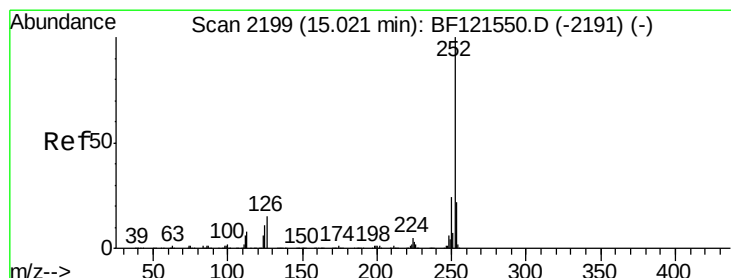
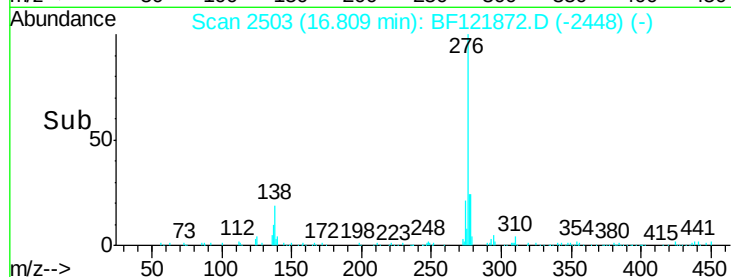
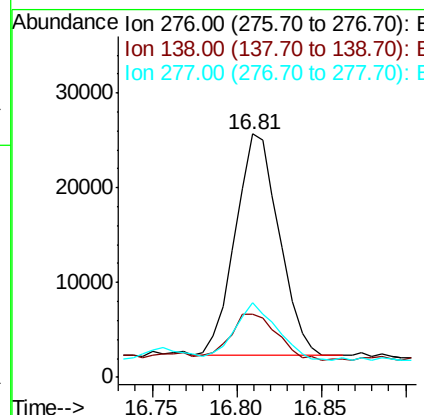
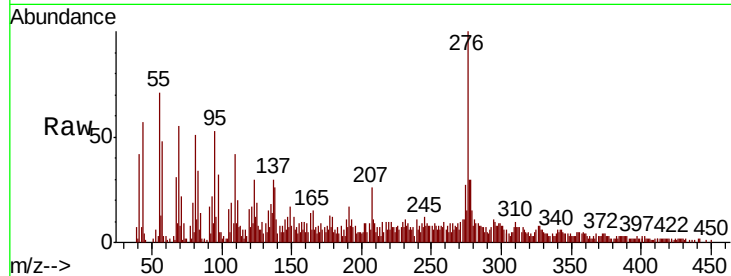
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.991 ng
 RT: 16.81 min Scan# 2503
 Delta R.T. 0.02 min
 Lab File: BF121872.D
 Acq: 7 Oct 2020 14:23

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.9	29.9
277	24.4	20.4	30.6

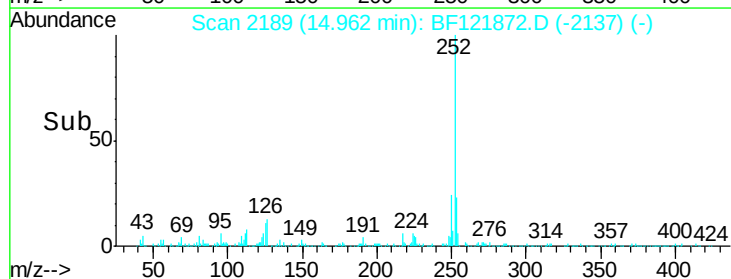
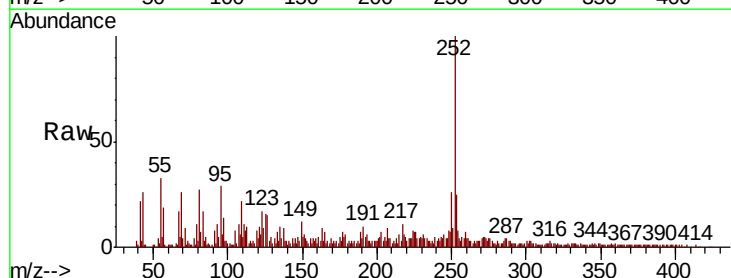
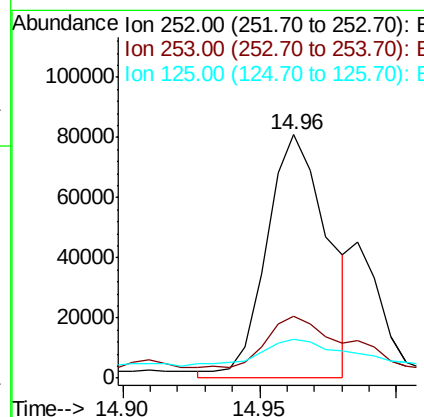
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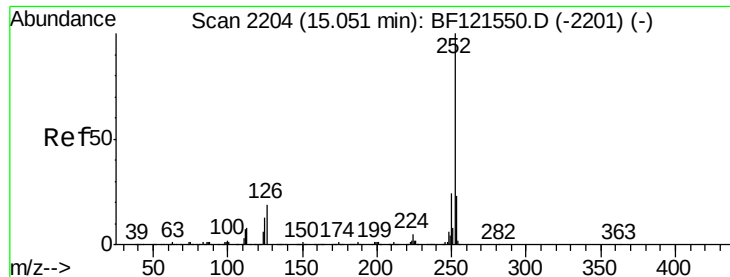
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#88
 Benzo(b)fluoranthene
 Concen: 8.692 ng m
 RT: 14.96 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: BF121872.D
 Acq: 7 Oct 2020 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.2	27.2
125	16.0	8.0	12.0





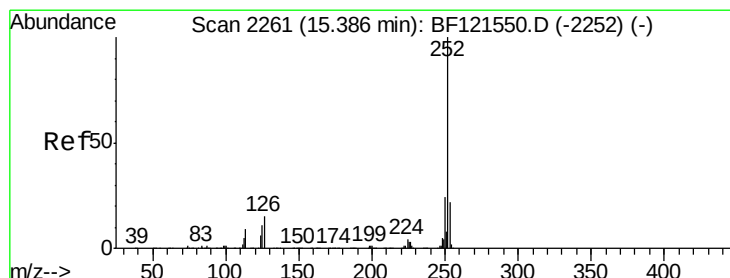
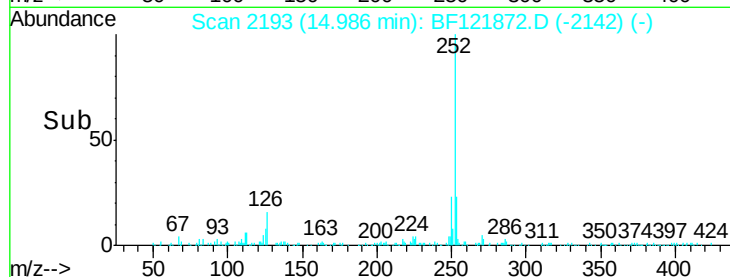
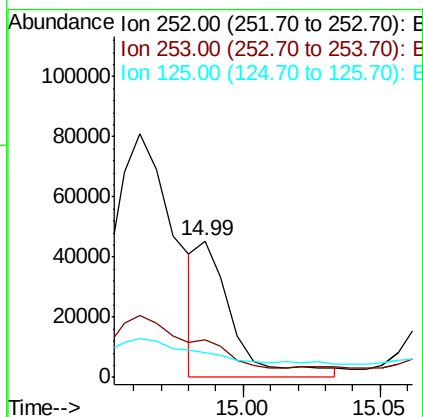
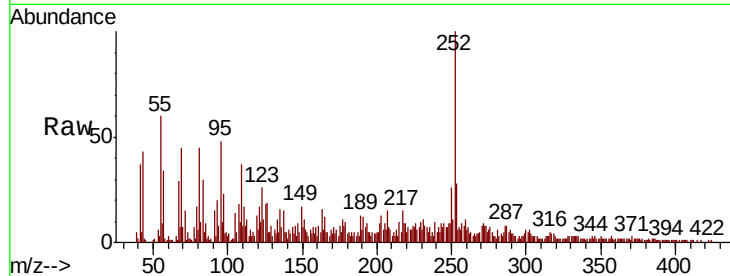
#89
Benzo(k)fluoranthene
Concen: 3.029 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF121872.D
Acq: 7 Oct 2020 14:23

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.8	26.6#
125	18.0	7.7	11.5#

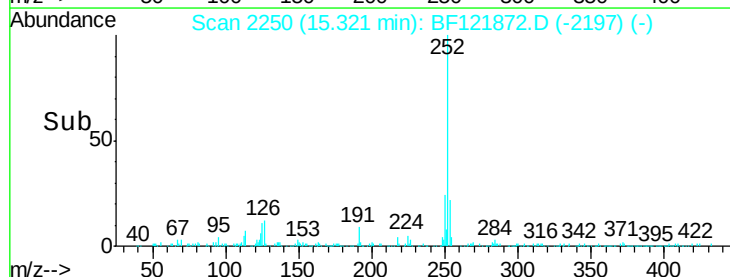
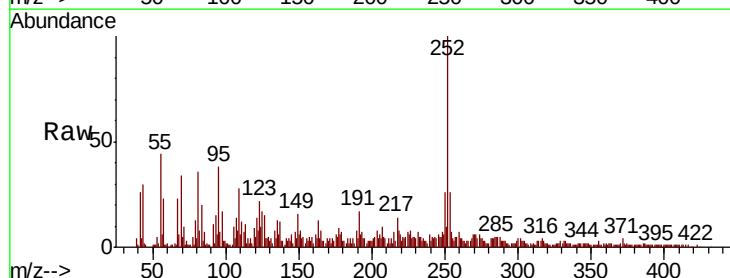
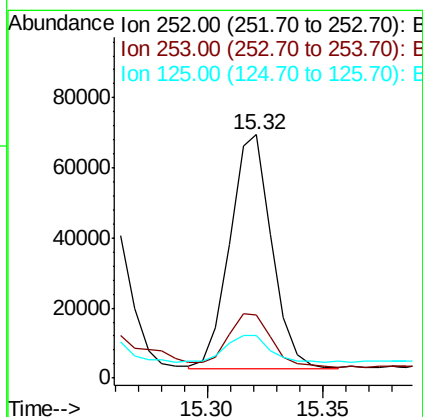
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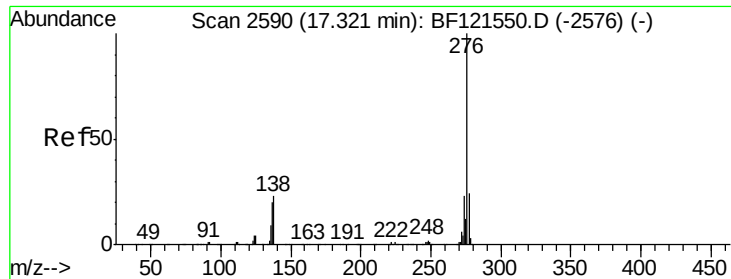
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#90
Benzo(a)pyrene
Concen: 6.815 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF121872.D
Acq: 7 Oct 2020 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.3	25.9
125	17.5	8.6	13.0#





#92
 Benzo(a,h,i)perylene
 Concen: 4.403 ng
 RT: 17.24 min Scan# 2577
 Delta R.T. 0.04 min
 Lab File: BF121872.D
 Acq: 7 Oct 2020 14:23

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-DP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	27.6	19.4	29.2		
138	27.4	17.8	26.6		

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