

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

Quant Time: Oct 07 14:53:19 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

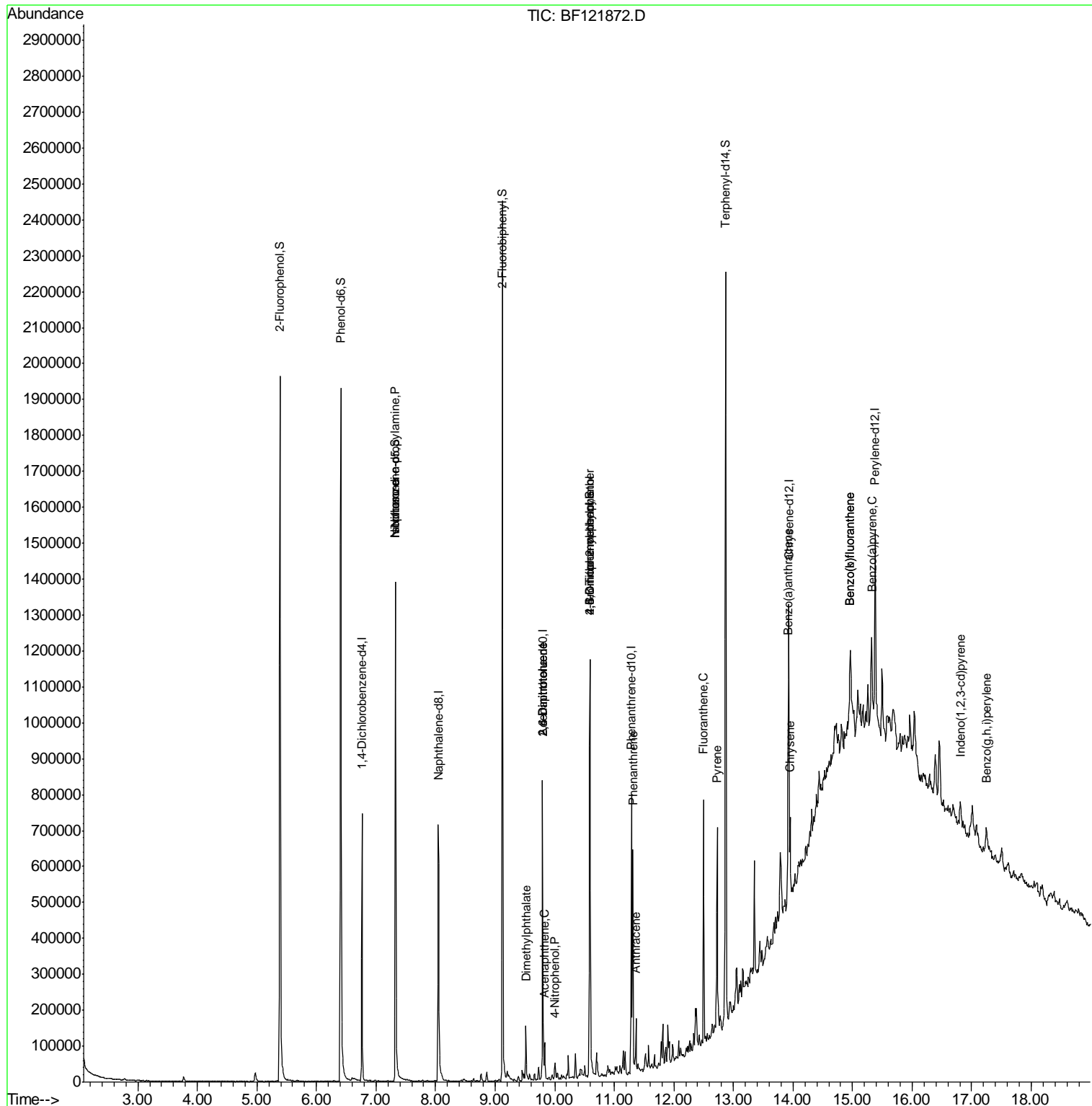
						Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	64024	12.567	ng	# 78
25) Isophorone	7.33	82	474336	34.654	ng	# 67
50) Dimethylphthalate	9.52	163	64627	5.386	ng	98
51) 2,6-Dinitrotoluene	9.80	165	22285	8.720	ng	# 21
52) Acenaphthene	9.83	154	20569	2.029	ng	99
56) 4-Nitrophenol	10.00	139	6514	2.759	ng	# 10
57) 2,4-Dinitrotoluene	9.80	165	22285	6.931	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	249	6.978	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	9158	2.911	ng	# 1
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	151980	10.479	ng	# 91
89) Benzo(k)fluoranthene	14.96	252	151980	11.443	ng	# 90
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

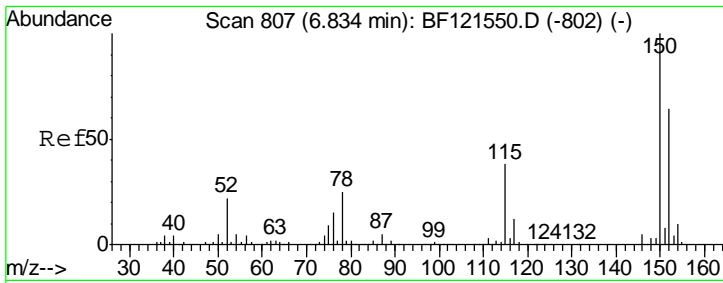
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\  
 Data File : BF121872.D  
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 Misc :  
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**Instrument :**  
 BNA\_F  
**Client Sampled :**  
 PAV-B18-092920-DP

Quant Time: Oct 07 14:53:19 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

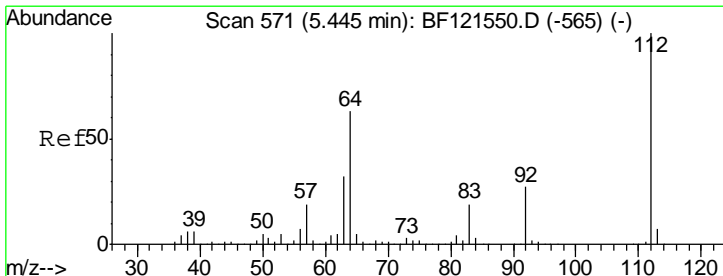
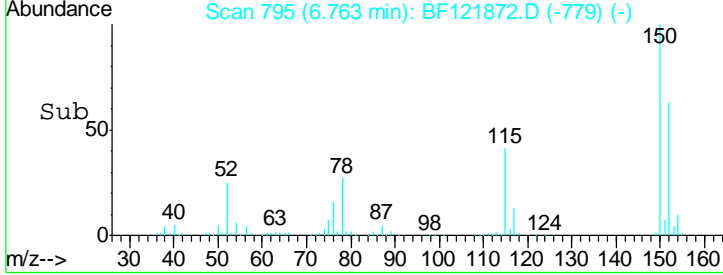
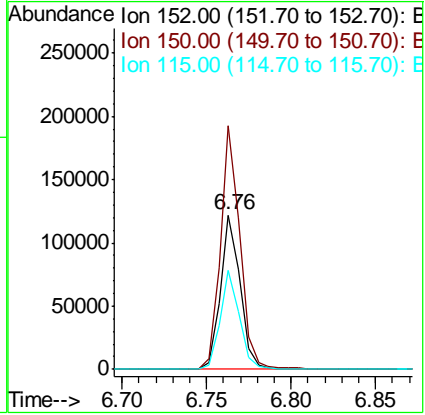
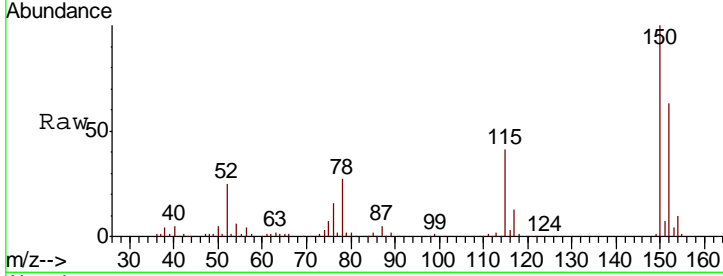




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.76 min Scan# 795  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

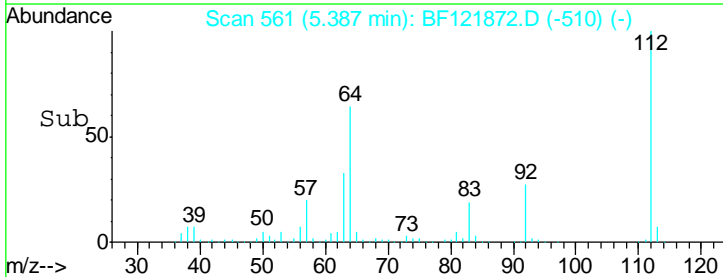
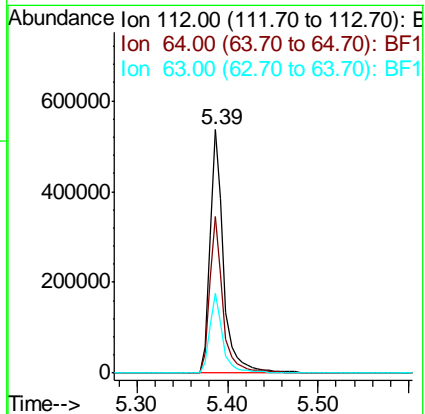
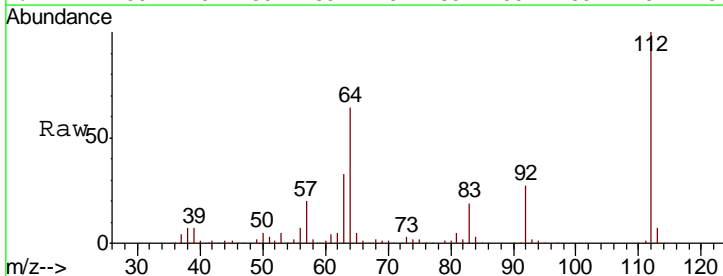
**Instrument :**  
 BNA\_F  
**ClientSampleId :**  
 PAV-B18-092920-DP

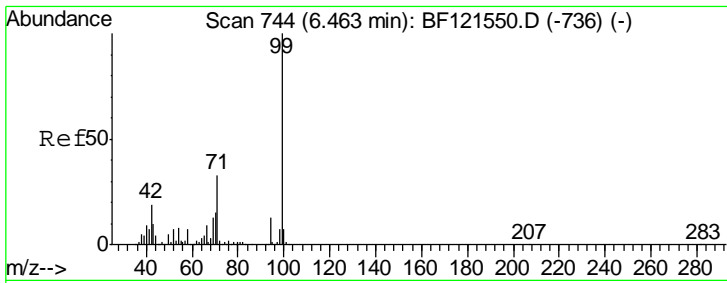
Tgt Ion	Resp	Lower	Upper
152	100		
150	157.6	125.3	187.9
115	64.3	51.9	77.9



#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	Resp	Lower	Upper
112	100		
64	64.4	50.4	75.6
63	32.6	25.8	38.6

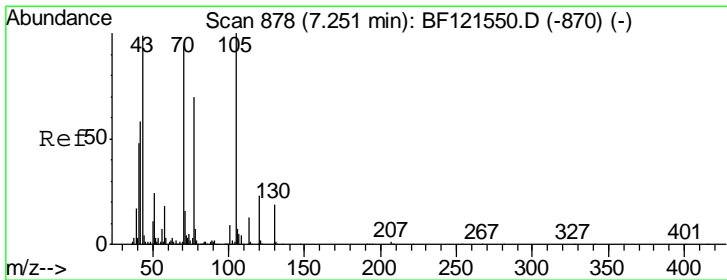
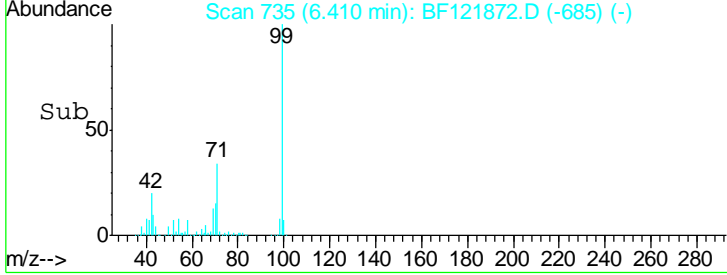
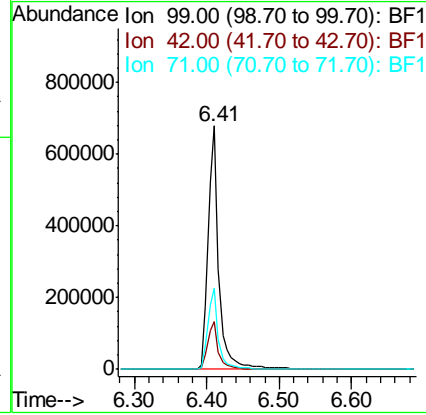
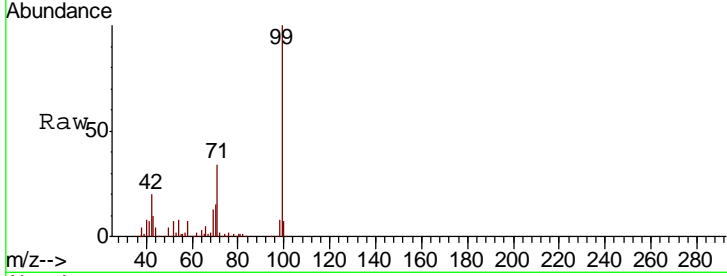




#7  
 Phenol-d6  
 Concen: 79.246 ng  
 RT: 6.41 min Scan# 735  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

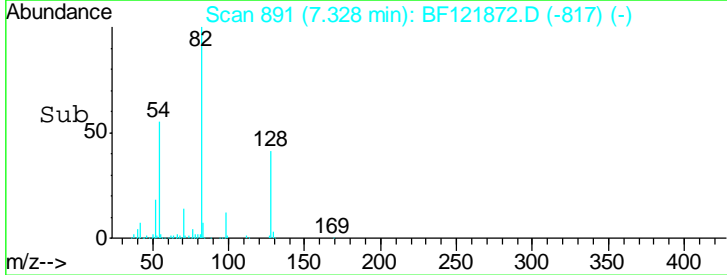
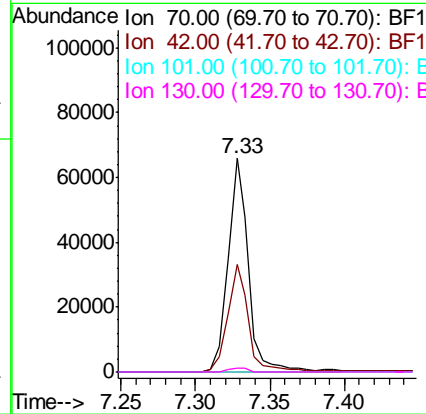
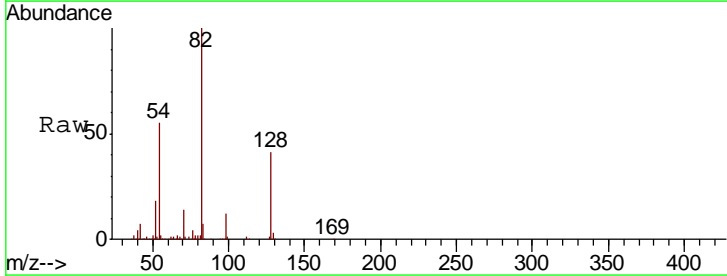
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 PAV-B18-092920-DP

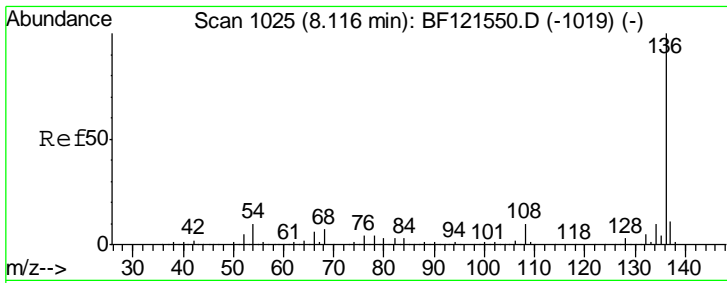
Tgt Ion	Resp	Lower	Upper
99	100		
42	19.6	15.9	23.9
71	33.6	27.1	40.7



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 12.567 ng  
 RT: 7.33 min Scan# 891  
 Delta R.T. 0.14 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Tgt Ion	Resp	Lower	Upper
70	100		
42	50.1	50.2	75.4#
101	0.0	7.5	11.3#
130	1.9	15.5	23.3#



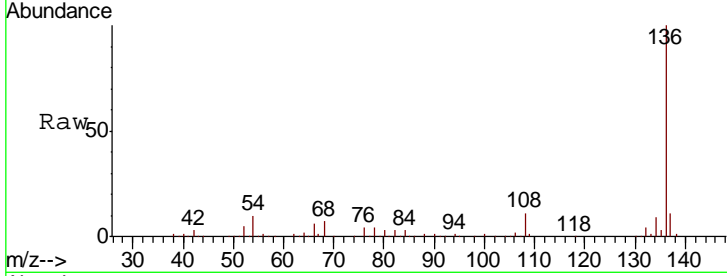


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.05 min Scan# 1013  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

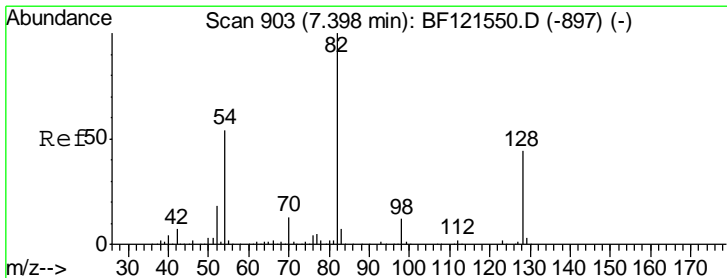
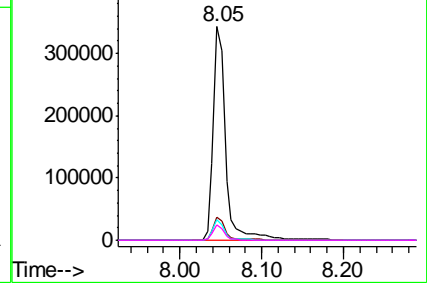
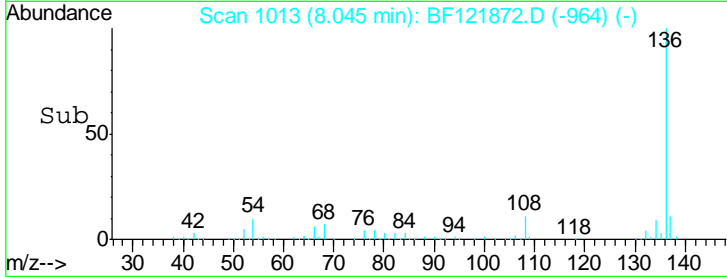
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 PAV-B18-092920-DP

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



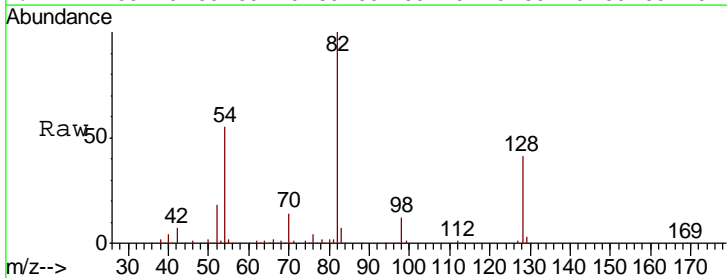
Abundance Ion 136.00 (135.70 to 136.70): E  
 Ion 137.00 (136.70 to 137.70): E  
 Ion 54.00 (53.70 to 54.70): BF1  
 Ion 68.00 (67.70 to 68.70): BF1



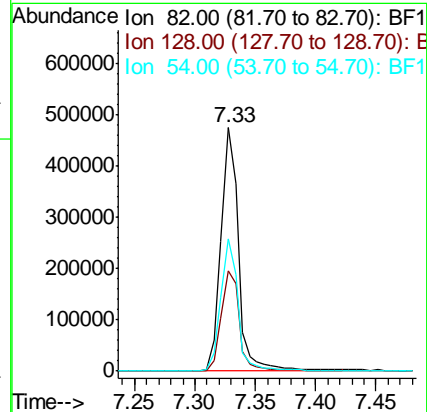
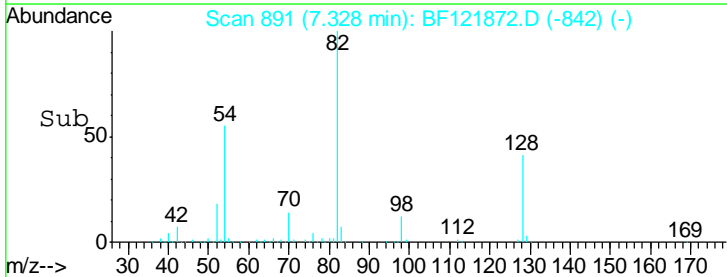
#23  
 Nitrobenzene-d5  
 Concen: 69.760 ng  
 RT: 7.33 min Scan# 891  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

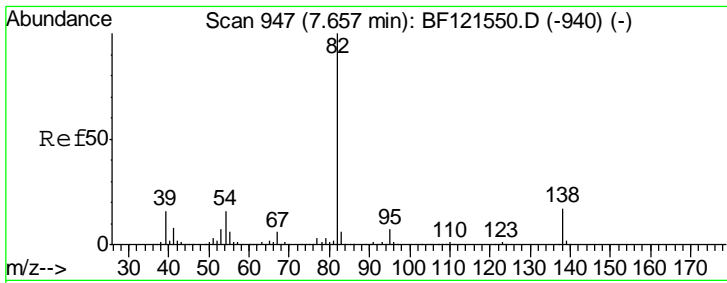
Tgt Ion: 82 Resp: 474342

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



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

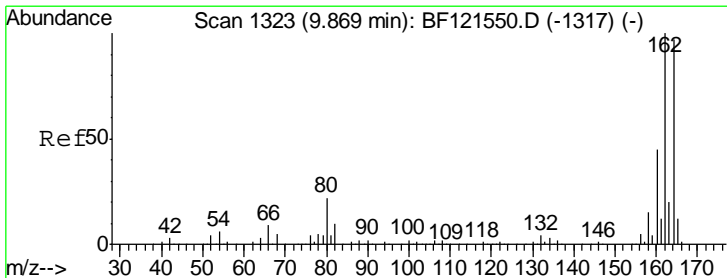
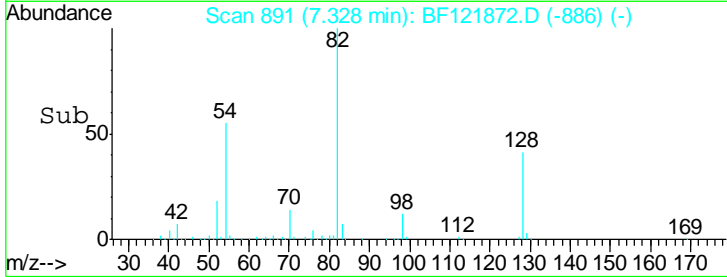
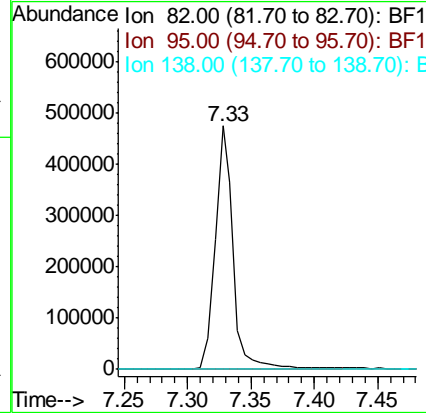
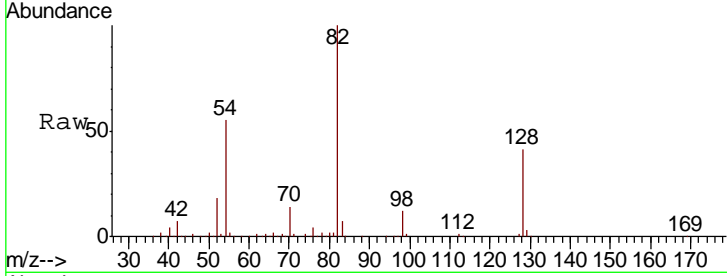




#25  
 Isophorone  
 Concen: 34.654 ng  
 RT: 7.33 min Scan# 891  
 Delta R.T. -0.27 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

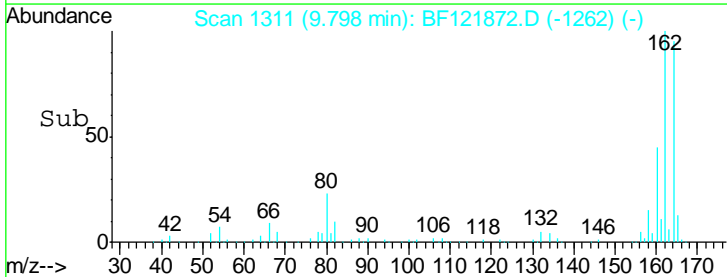
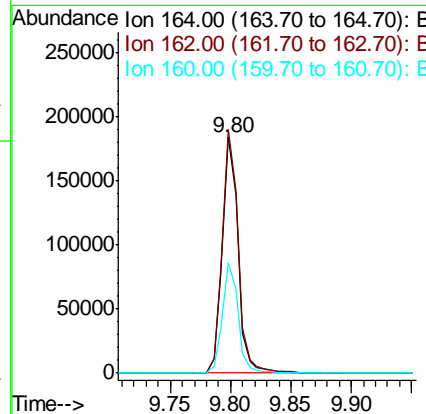
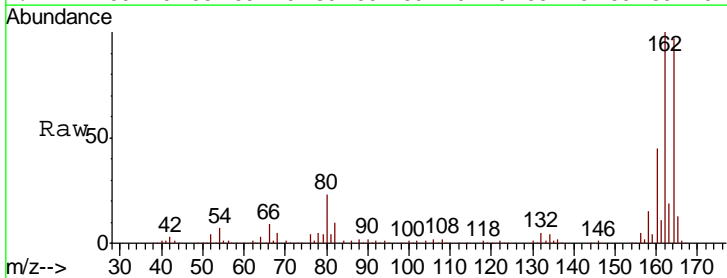
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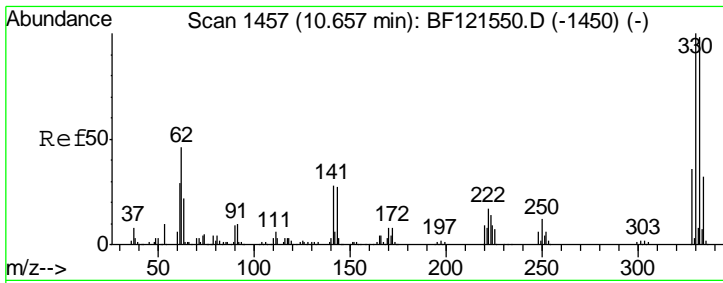
Tgt Ion	Resp	Lower	Upper
82	474336		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#



#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	Resp	Lower	Upper
164	165567		
162	103.4	83.2	124.8
160	46.9	37.5	56.3

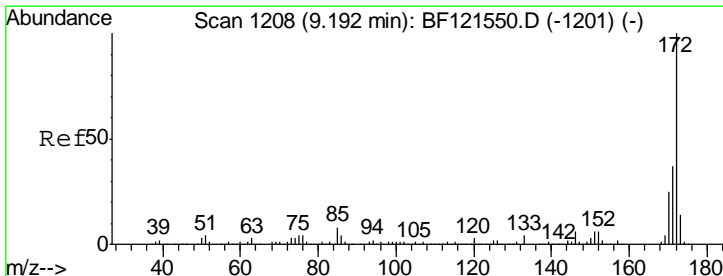
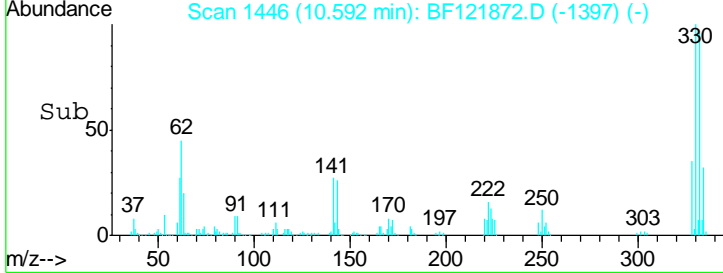
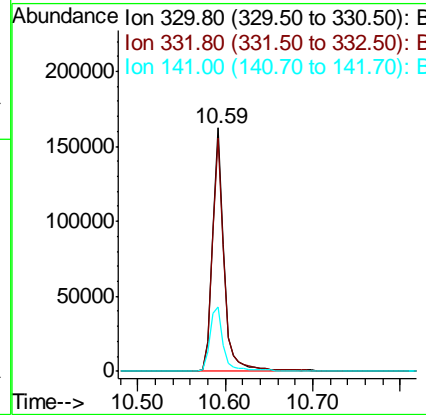
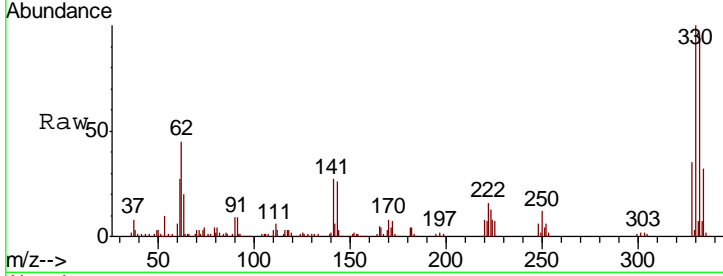




#42  
 2,4,6-Tribromophenol  
 Concen: 73.455 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

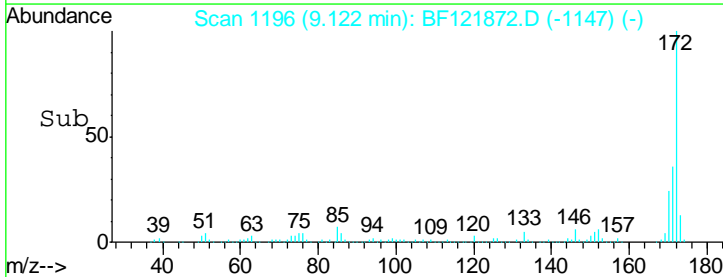
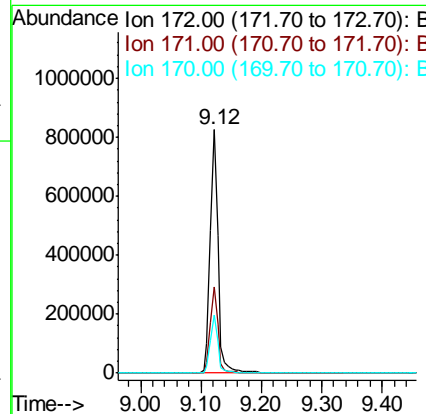
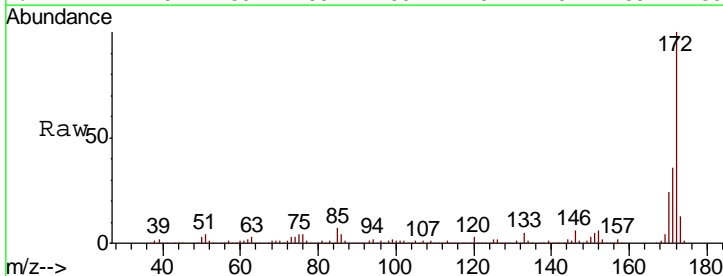
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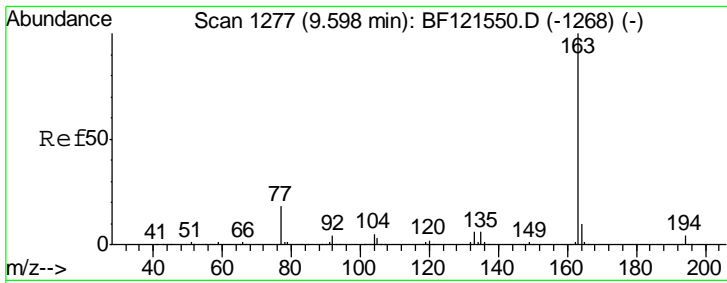
Tgt Ion	Resp	Lower	Upper
330	151153		
332	97.5	77.3	115.9
141	31.1	22.3	33.5



#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	Resp	Lower	Upper
172	750611		
171	35.6	29.1	43.7
170	23.9	19.8	29.6

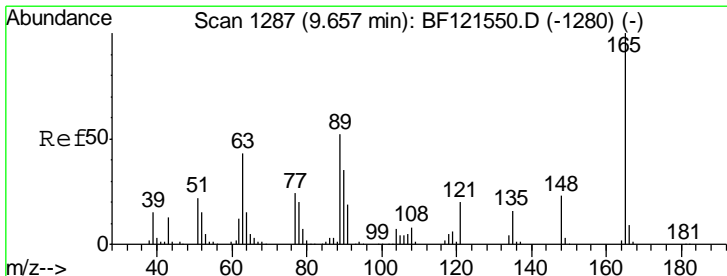
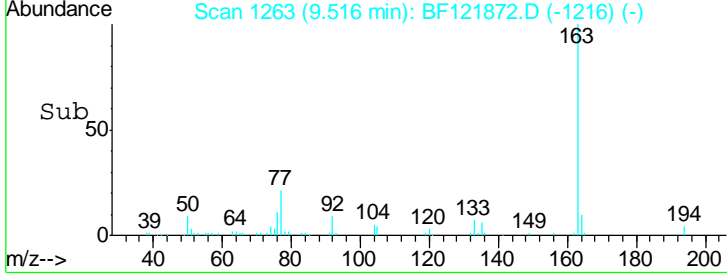
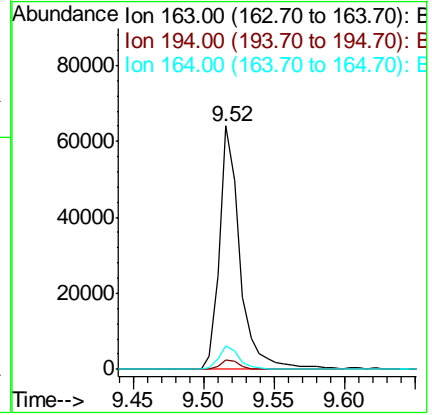
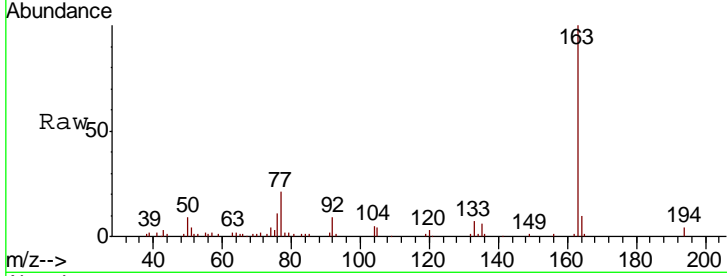




#50  
 Dimethylphthalate  
 Concen: 5.386 ng  
 RT: 9.52 min Scan# 1263  
 Delta R.T. -0.02 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

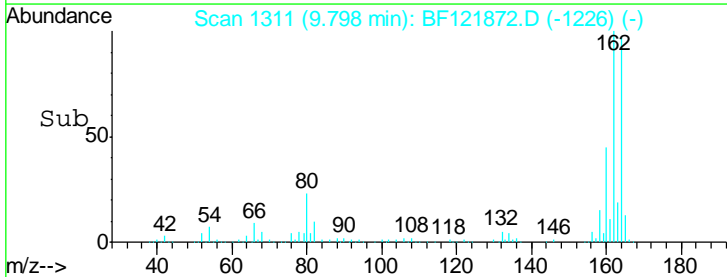
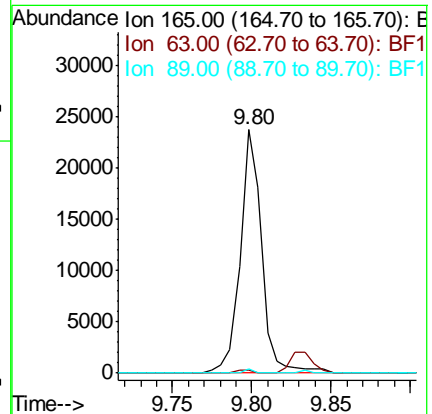
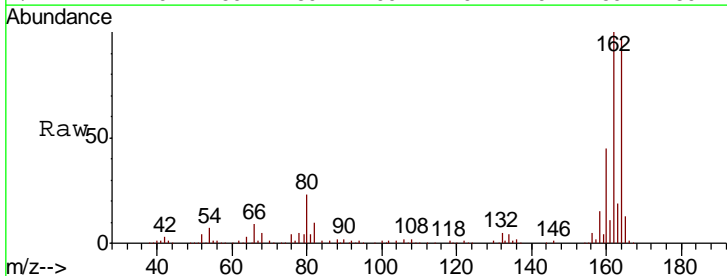
Instrument :  
 BNA\_F  
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 PAV-B18-092920-DP

Tgt Ion	Resp	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.5	8.2	12.4

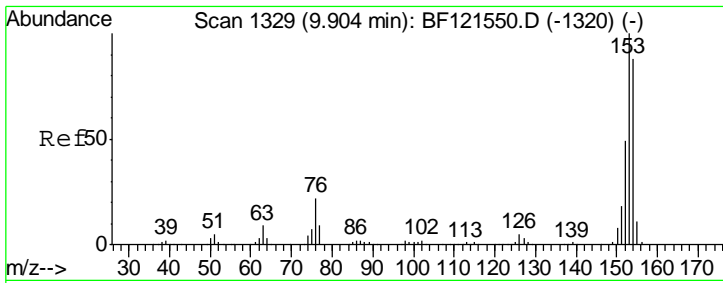


#51  
 2,6-Dinitrotoluene  
 Concen: 8.720 ng  
 RT: 9.80 min Scan# 1311  
 Delta R.T. 0.20 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.3	51.8	77.6#
89	1.5	49.0	73.6#



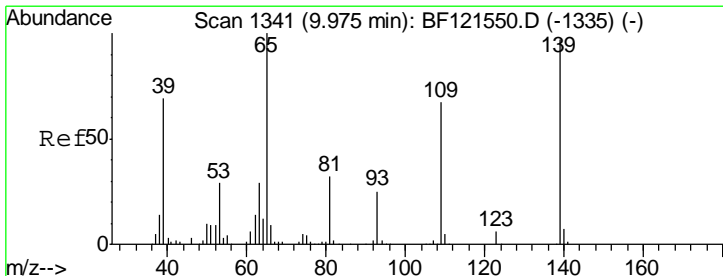
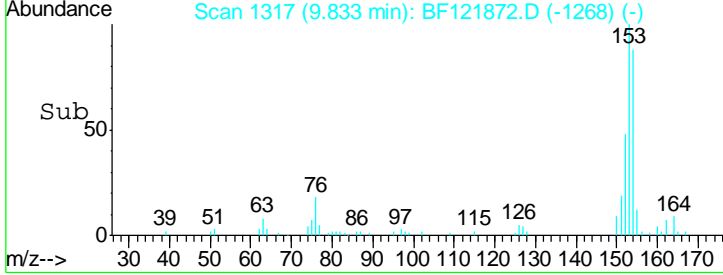
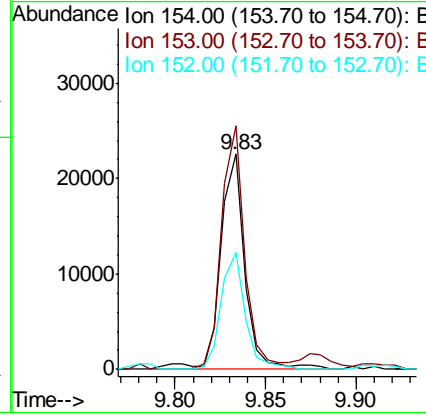
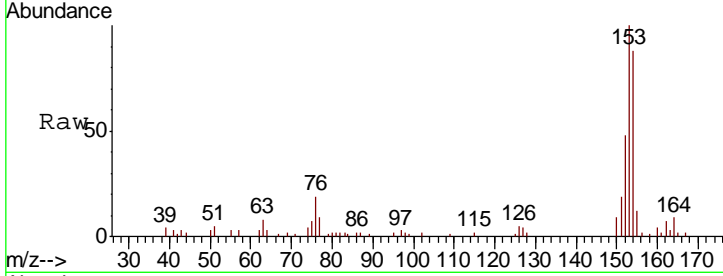




#52  
 Acenaphthene  
 Concen: 2.029 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

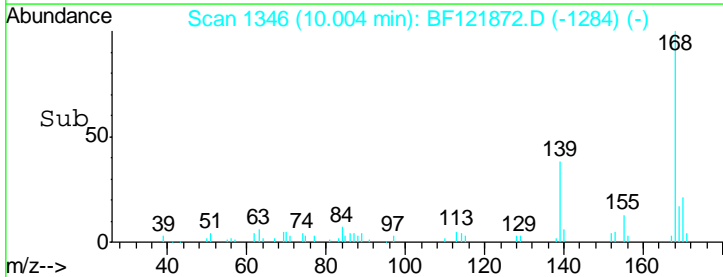
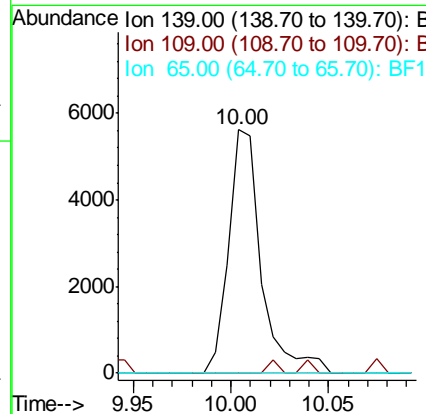
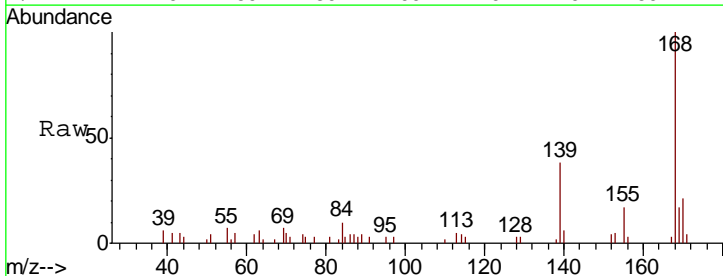
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAV-B18-092920-DP

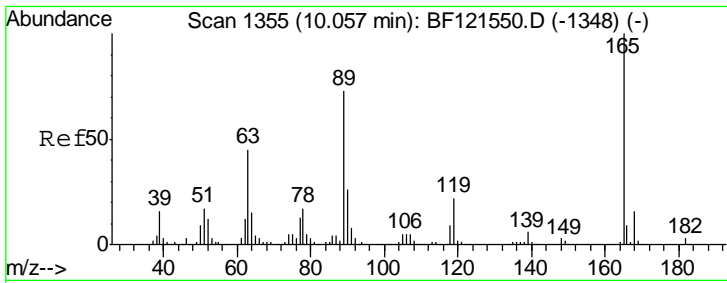
Tgt Ion	Resp	Lower	Upper
154	100		
153	113.2	89.8	134.8
152	54.6	43.2	64.8



#56  
 4-Nitrophenol  
 Concen: 2.759 ng  
 RT: 10.00 min Scan# 1346  
 Delta R.T. 0.06 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Tgt Ion	Resp	Lower	Upper
139	100		
109	0.0	45.4	85.4#
65	0.0	68.4	108.4#

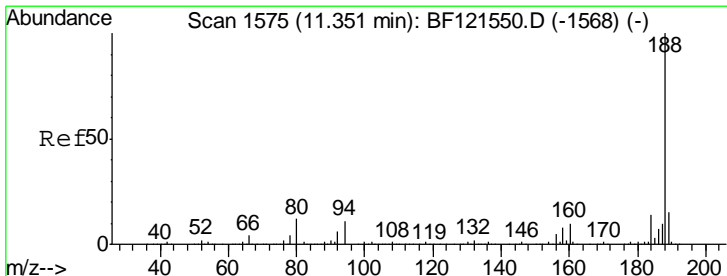
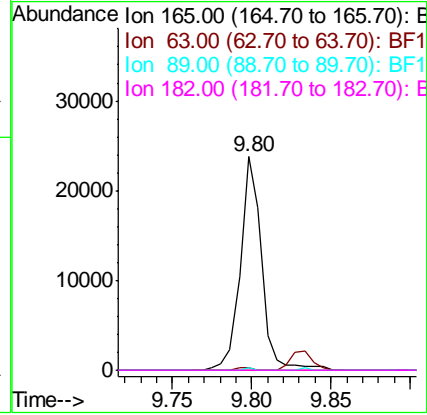
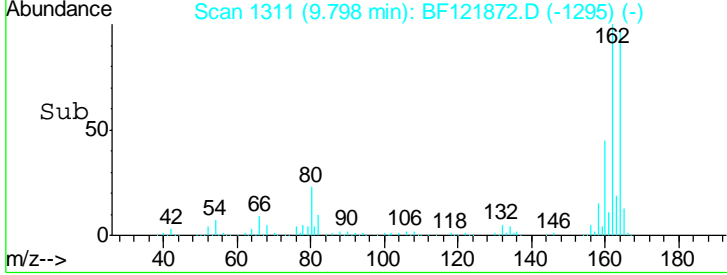
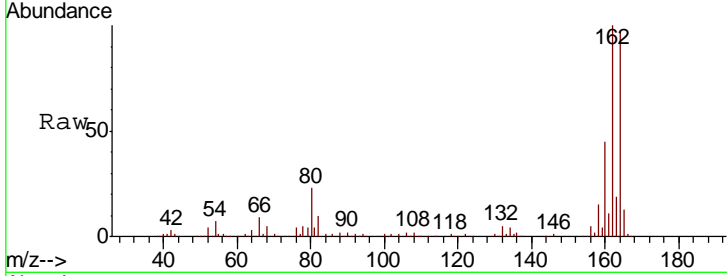




#57  
 2,4-Dinitrotoluene  
 Concen: 6.931 ng  
 RT: 9.80 min Scan# 1311  
 Delta R.T. -0.21 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

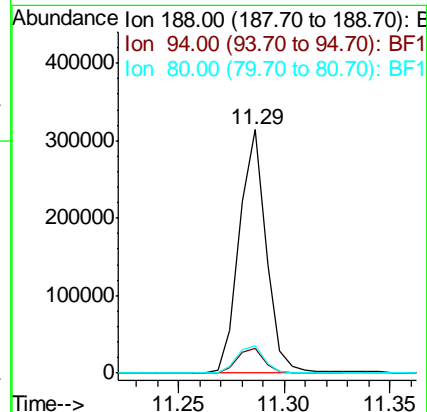
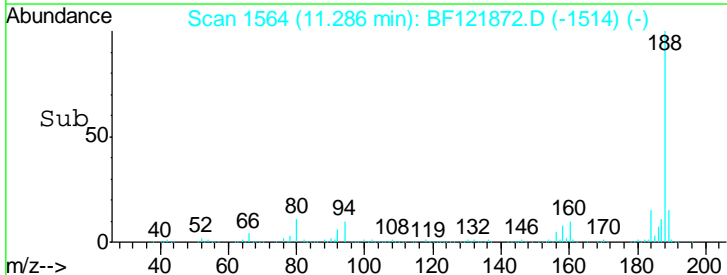
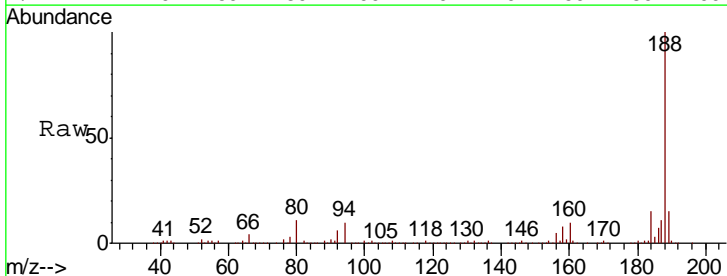
Instrument :  
 BNA\_F  
 ClientSampled :  
 PAV-B18-092920-DP

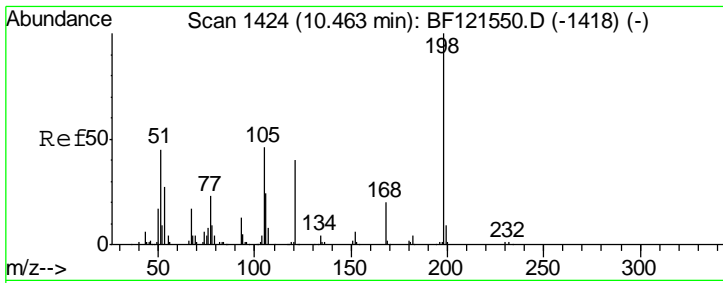
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.3	41.3	61.9#
89	1.5	61.8	92.8#
182	0.0	2.1	3.1#



#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

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

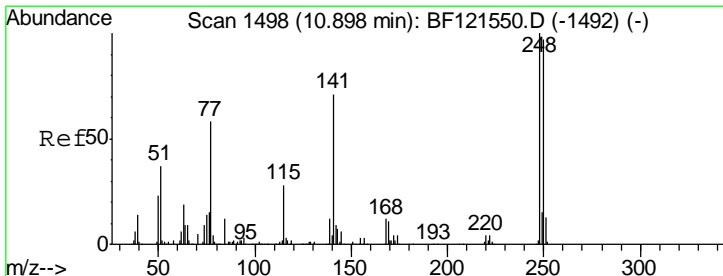
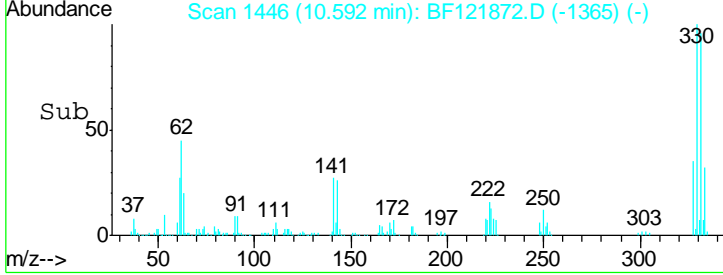
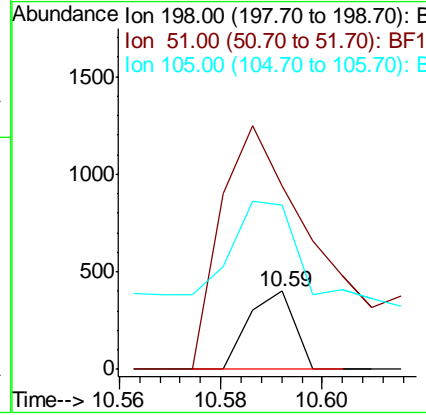
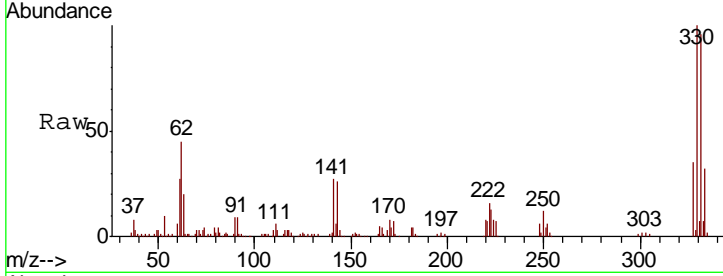




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.978 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. 0.18 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

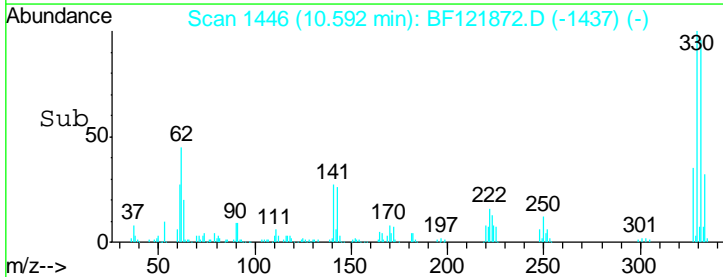
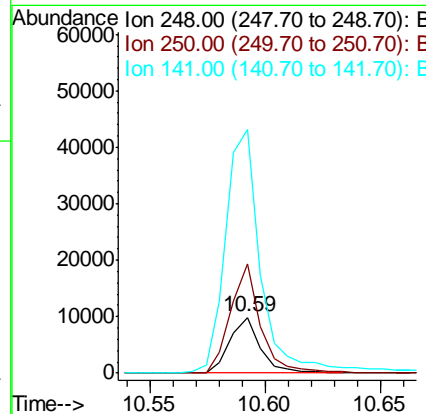
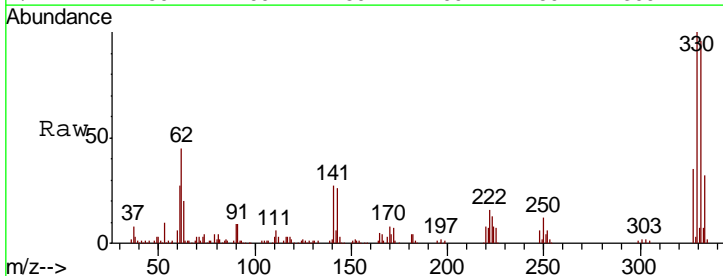
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 PAV-B18-092920-DP

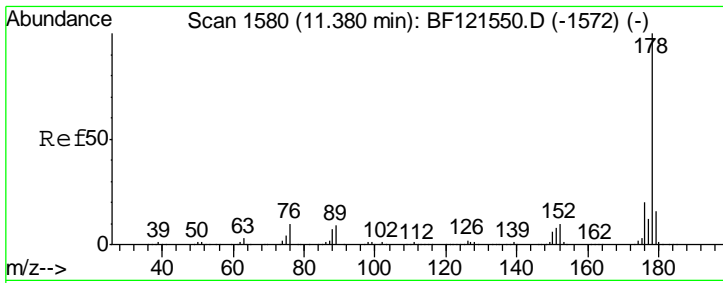
Tgt Ion	Resp	Lower	Upper
198	100		
51	234.8	29.6	69.6#
105	209.8	24.4	64.4#



#67  
 4-Bromophenyl-phenylether  
 Concen: 2.911 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. -0.25 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Tgt Ion	Resp	Lower	Upper
248	100		
250	194.5	77.0	115.6#
141	434.1	53.7	80.5#



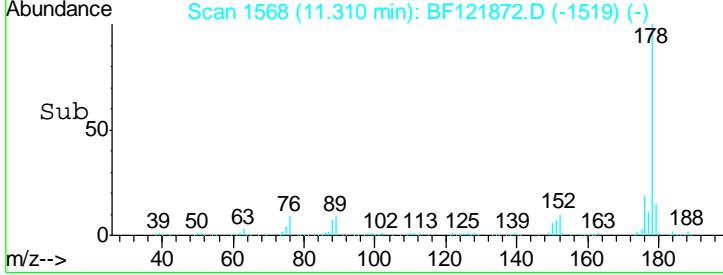
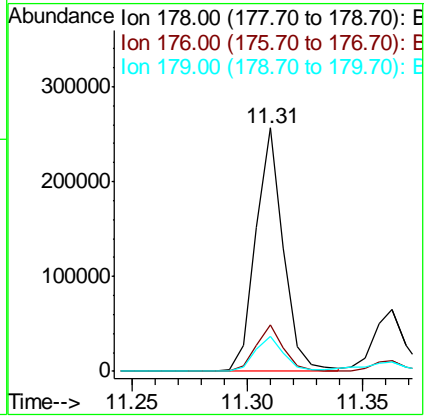
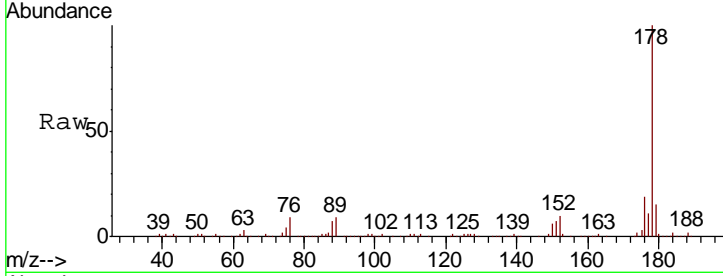


#71  
 Phenanthrene  
 Concen: 14.292 ng  
 RT: 11.31 min Scan# 1568  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Instrument :  
 BNA\_F  
 ClientSampled :  
 PAV-B18-092920-DP

Tgt Ion:178 Resp: 215162

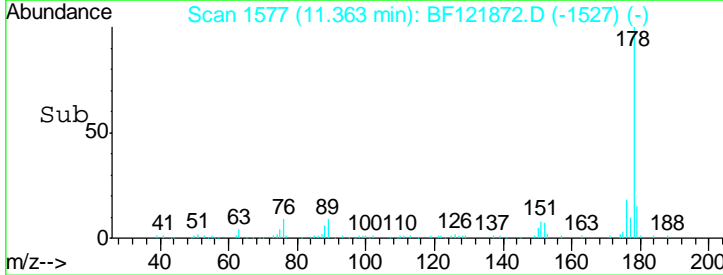
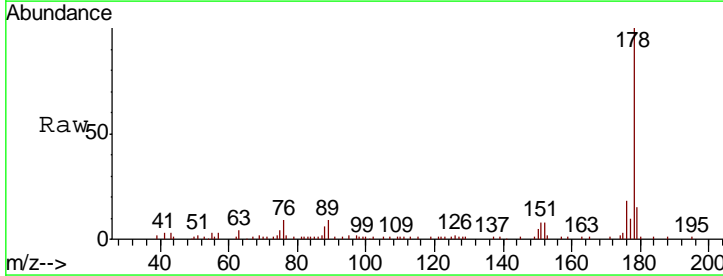
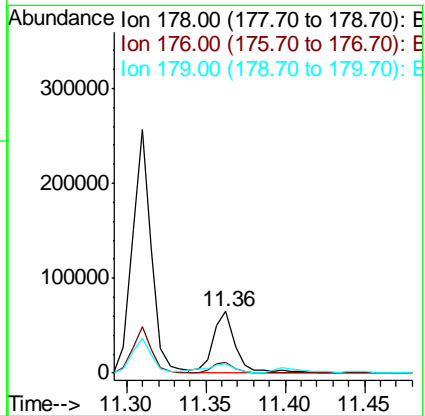
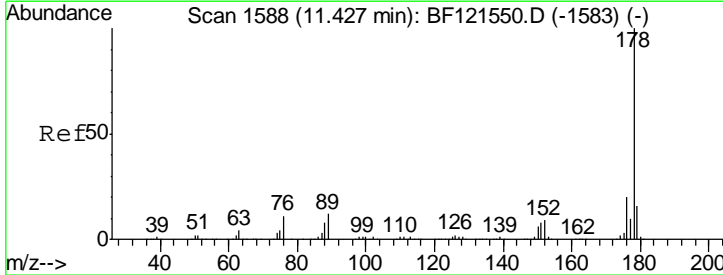
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	14.6	12.2	18.4

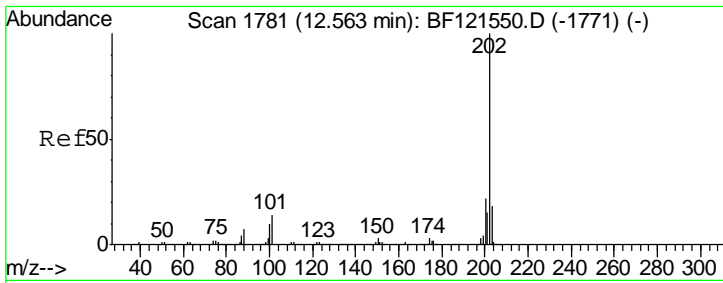


#72  
 Anthracene  
 Concen: 4.088 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Tgt Ion:178 Resp: 63508

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.7	23.5
179	15.2	12.7	19.1

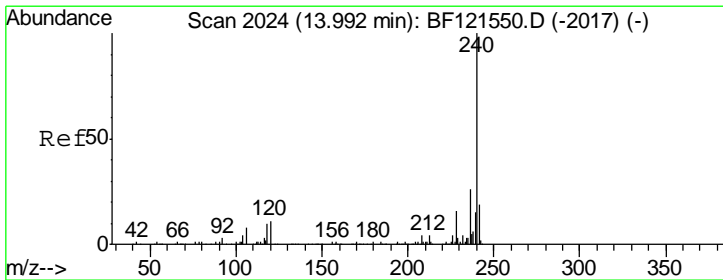
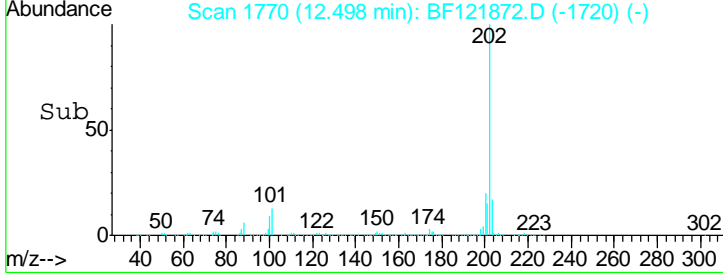
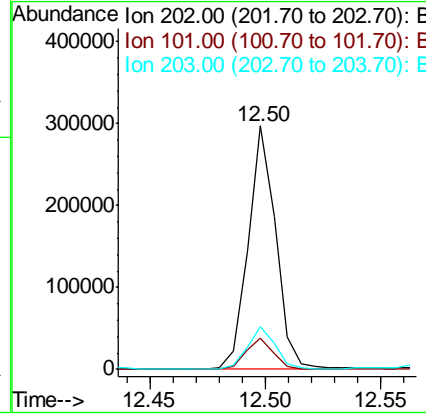
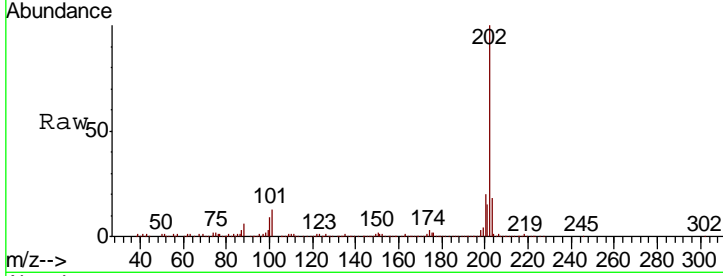




#75  
 Fluoranthene  
 Concen: 15.409 ng  
 RT: 12.50 min Scan# 1770  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

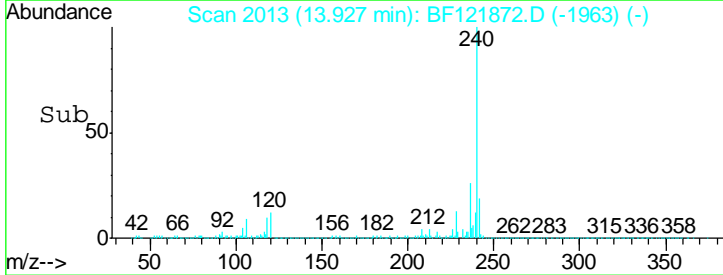
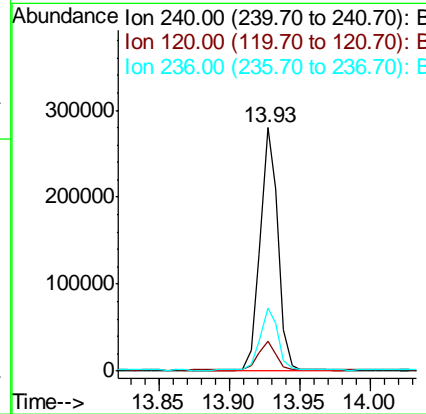
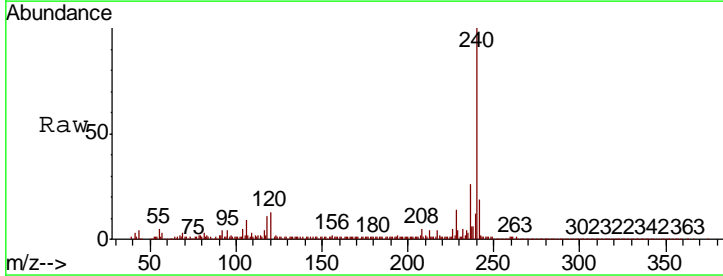
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAV-B18-092920-DP

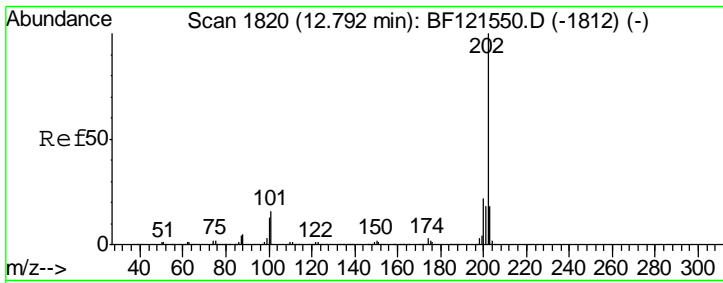
Tgt Ion	Resp	Lower	Upper
202	247636		
101	12.6	0.0	33.4
203	17.6	0.0	37.9



#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

Tgt Ion	Resp	Lower	Upper
240	249836		
120	12.5	9.2	13.8
236	25.9	20.9	31.3

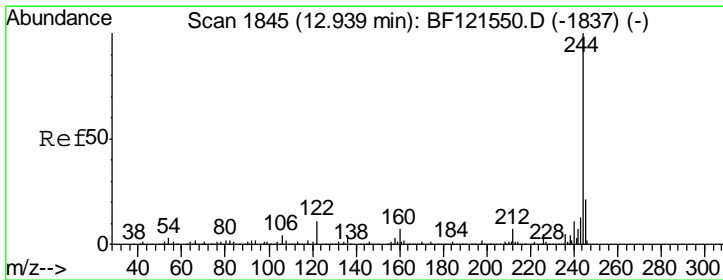
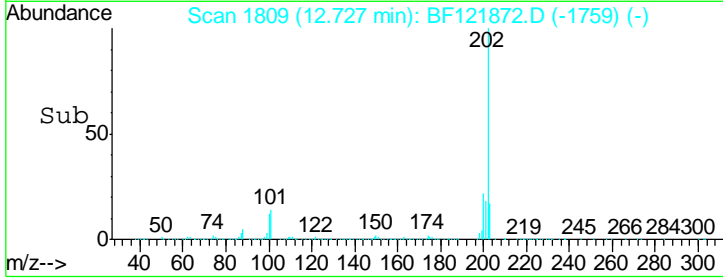
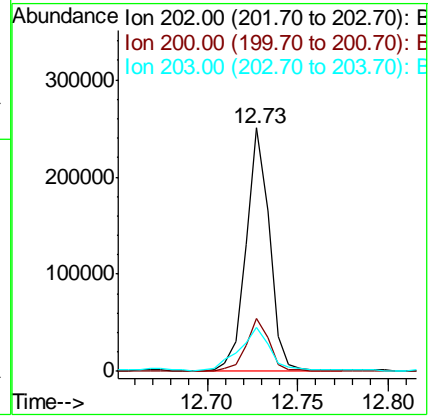
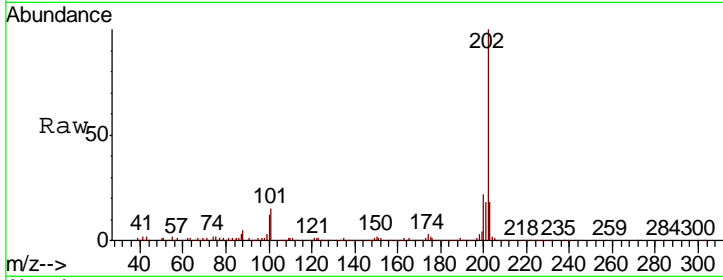




#78  
 Pyrene  
 Concen: 12.234 ng  
 RT: 12.73 min Scan# 1809  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

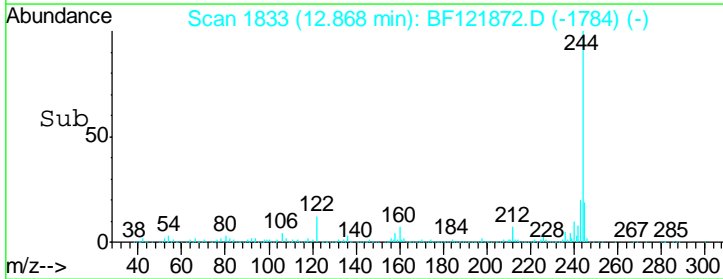
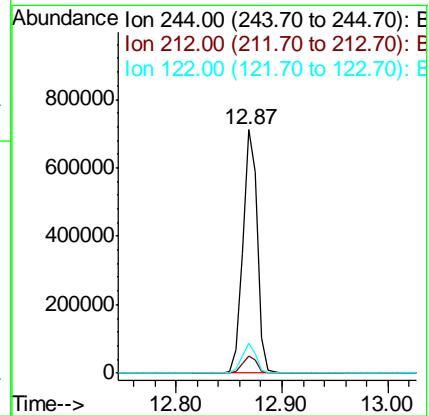
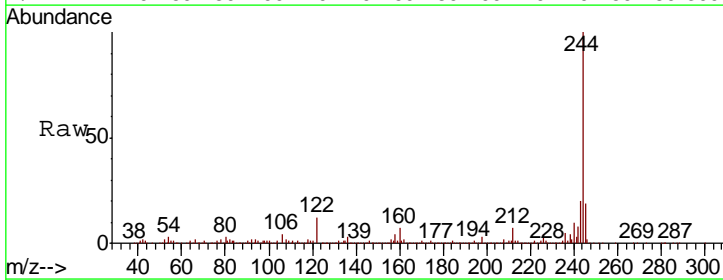
Instrument :  
 BNA\_F  
 ClientSampled :  
 PAV-B18-092920-DP

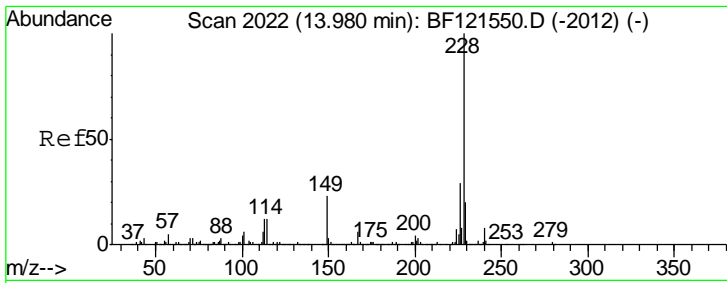
Tgt Ion	Resp	Lower	Upper
202	223314		
200	21.8	17.4	26.2
203	17.9	14.6	21.8



#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

Tgt Ion	Resp	Lower	Upper
244	654267		
212	7.2	5.4	8.2
122	12.1	8.1	12.1

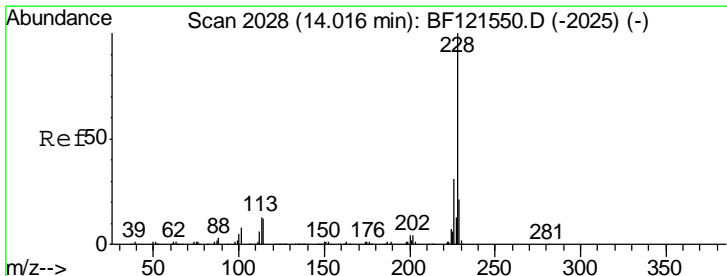
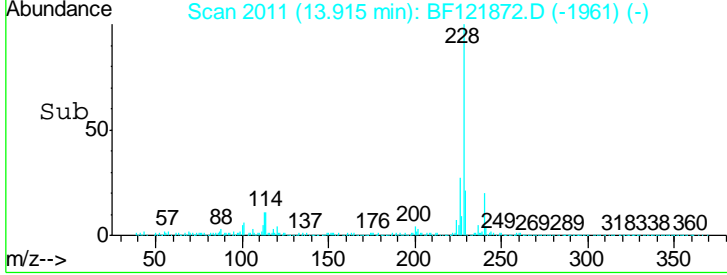
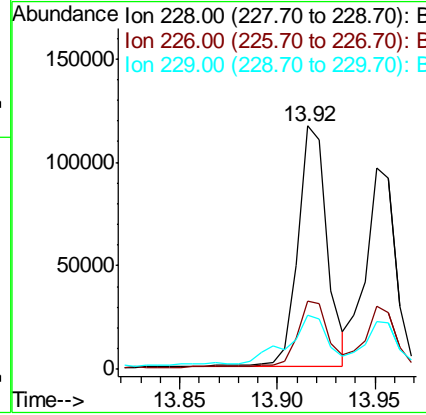
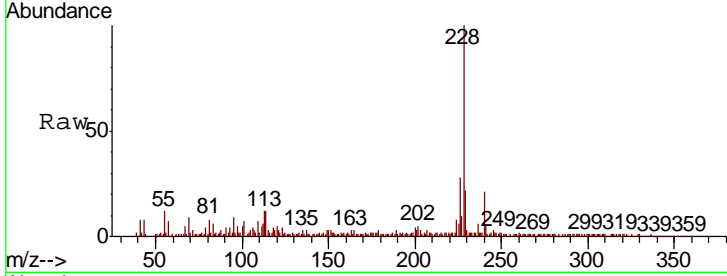




#81  
 Benzo(a)anthracene  
 Concen: 7.693 ng  
 RT: 13.92 min Scan# 2011  
 Delta R.T. -0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

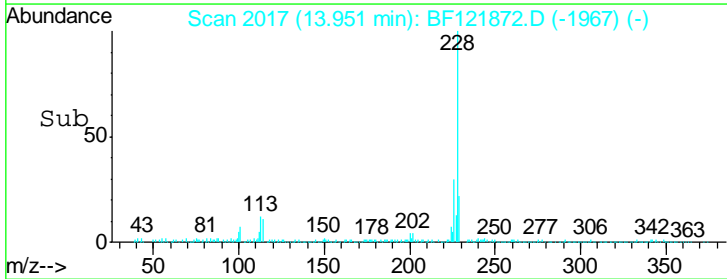
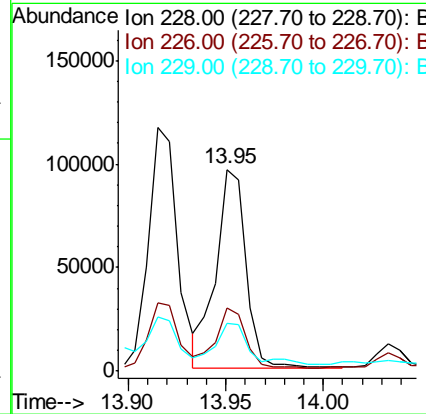
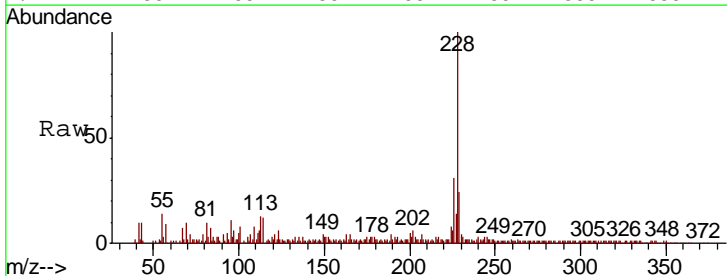
Instrument : BNA\_F  
 ClientSampled : PAV-B18-092920-DP

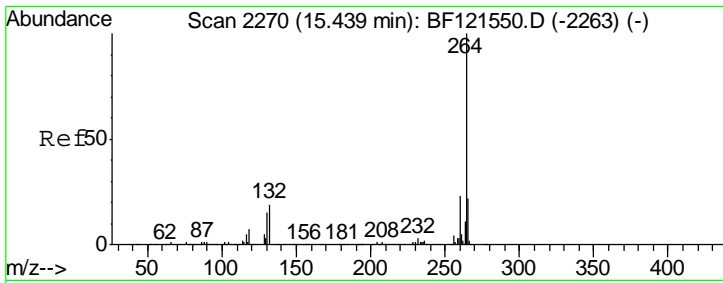
Tgt Ion	Resp	Lower	Upper
228	121599		
226	28.0	22.3	33.5
229	22.2	16.2	24.4



#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

Tgt Ion	Resp	Lower	Upper
228	103218		
226	31.1	24.6	37.0
229	23.7	15.9	23.9

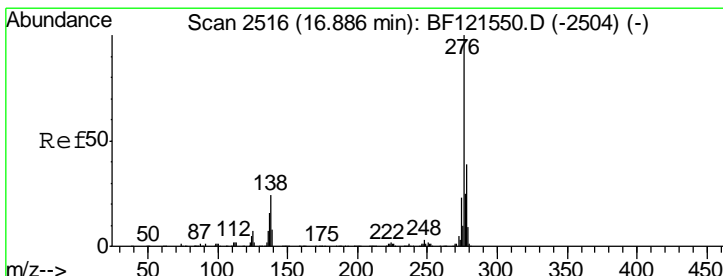
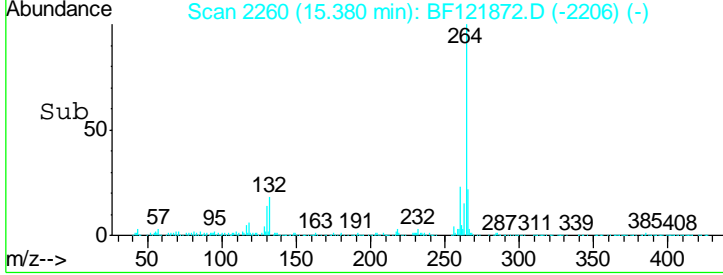
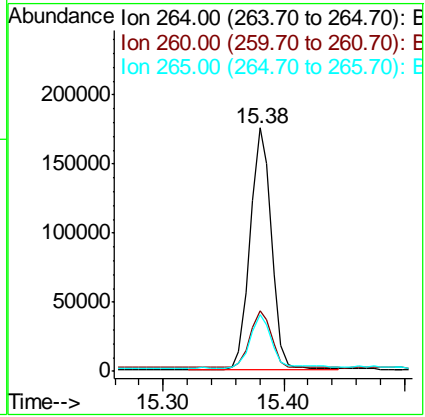
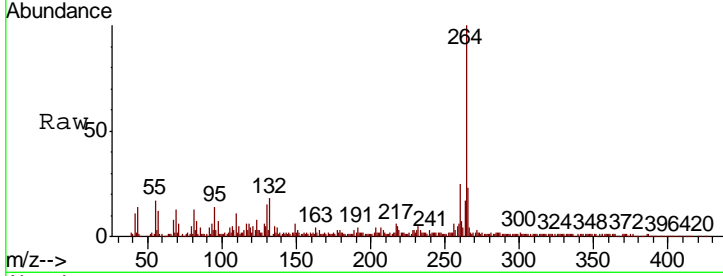




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.38 min Scan# 2260  
 Delta R.T. 0.02 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

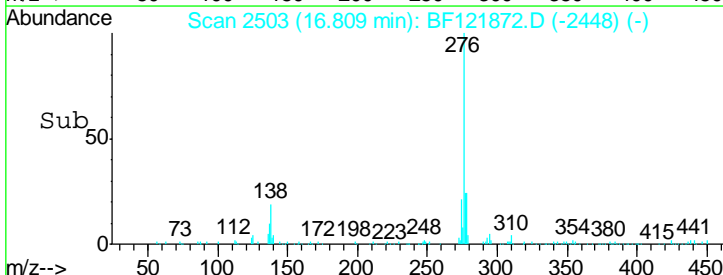
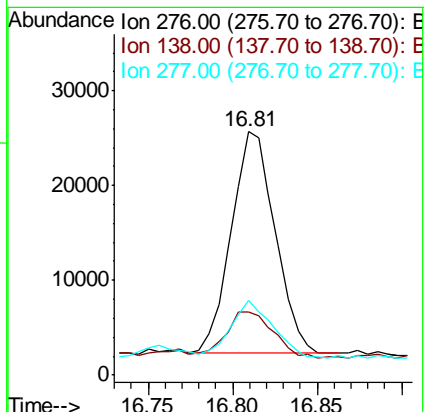
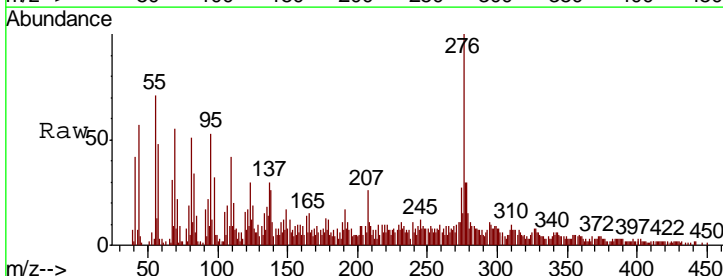
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 PAV-B18-092920-DP

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

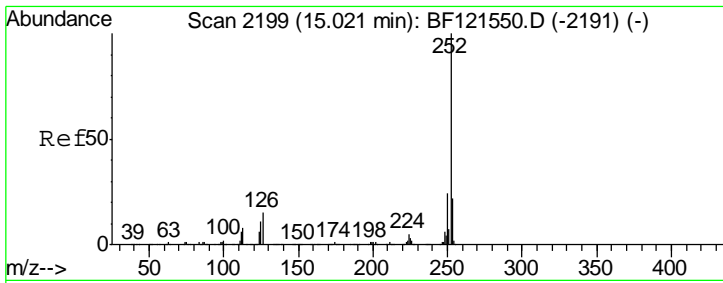


#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.991 ng  
 RT: 16.81 min Scan# 2503  
 Delta R.T. 0.02 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Tgt Ion	Resp	Lower	Upper
276	100		
138	21.8	19.9	29.9
277	24.4	20.4	30.6



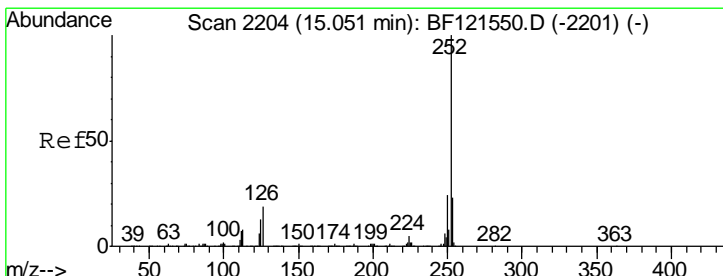
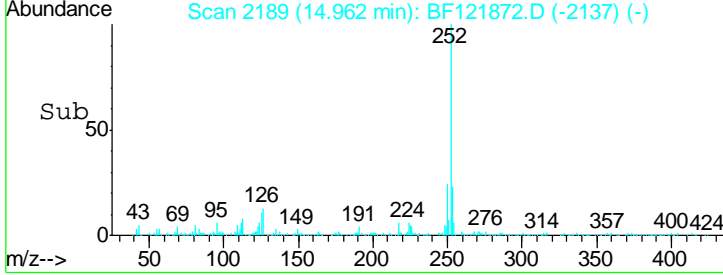
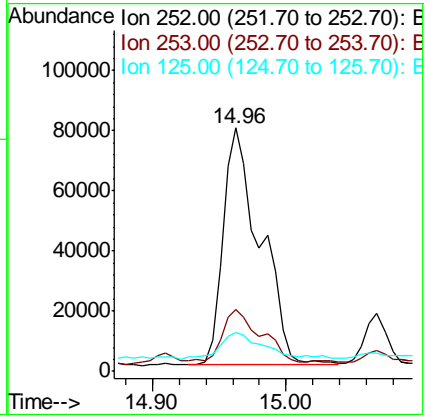
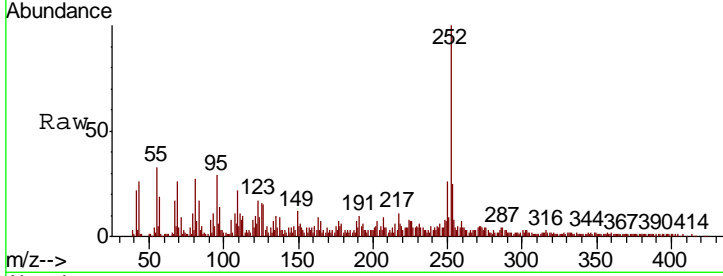




#88  
 Benzo(b)fluoranthene  
 Concen: 10.479 ng  
 RT: 14.96 min Scan# 2189  
 Delta R.T. 0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

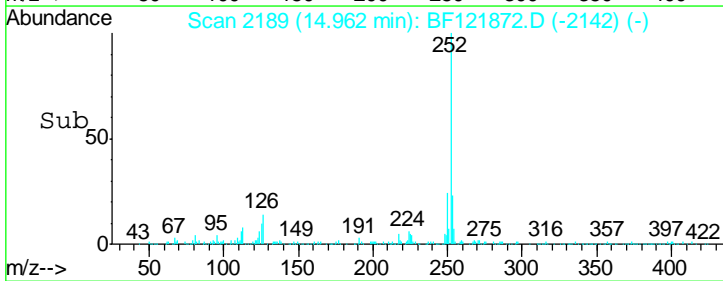
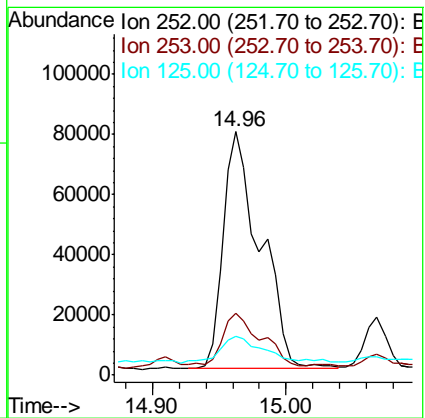
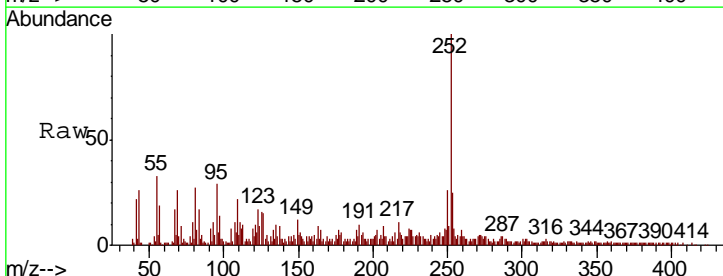
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 PAV-B18-092920-DP

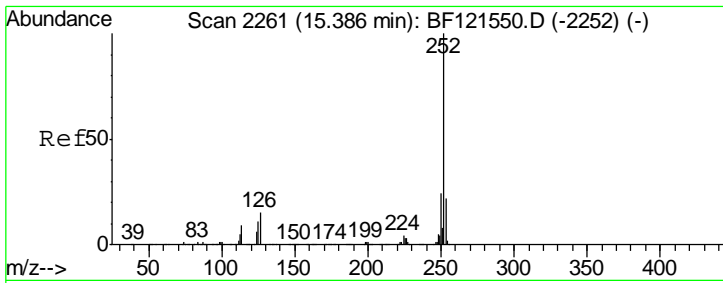
Tgt Ion	Resp	Lower	Upper
252	100		
253	25.4	18.2	27.2
125	16.0	8.0	12.0



#89  
 Benzo(k)fluoranthene  
 Concen: 11.443 ng  
 RT: 14.96 min Scan# 2189  
 Delta R.T. -0.02 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Tgt Ion	Resp	Lower	Upper
252	100		
253	25.4	17.8	26.6
125	16.0	7.7	11.5

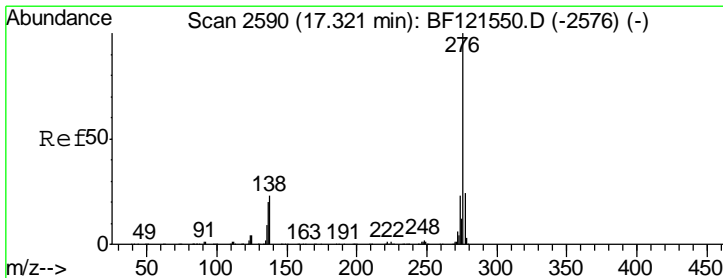
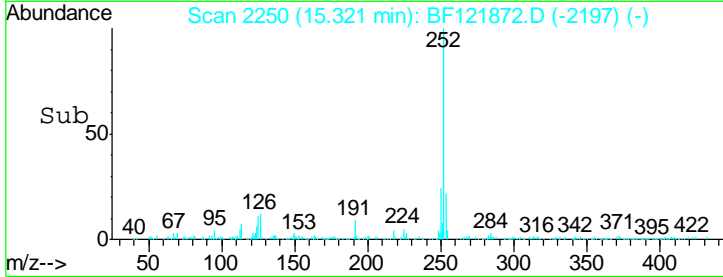
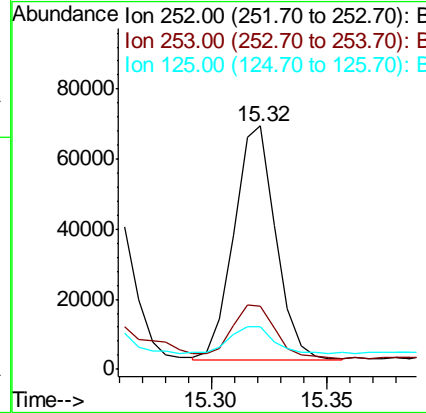
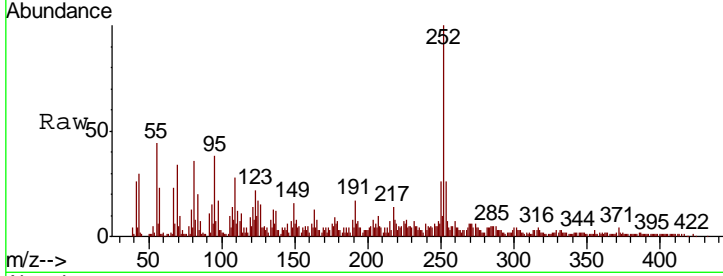




#90  
 Benzo(a)pyrene  
 Concen: 6.815 ng  
 RT: 15.32 min Scan# 2250  
 Delta R.T. 0.01 min  
 Lab File: BF121872.D  
 Acq: 7 Oct 2020 14:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAV-B18-092920-DP

Tgt Ion	Resp	Lower	Upper
252	84024		
253	25.8	17.3	25.9
125	17.5	8.6	13.0



#92  
 Benzo(g,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

Tgt Ion	Resp	Lower	Upper
276	50898		
277	27.6	19.4	29.2
138	27.4	17.8	26.6

