

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111120\
 Data File : BP003935.D
 Acq On : 11 Nov 2020 23:21
 Operator : CG/JU
 Sample : L4622-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PAV-B12-0-10

Quant Time: Nov 12 00:27:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 13:41:24 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

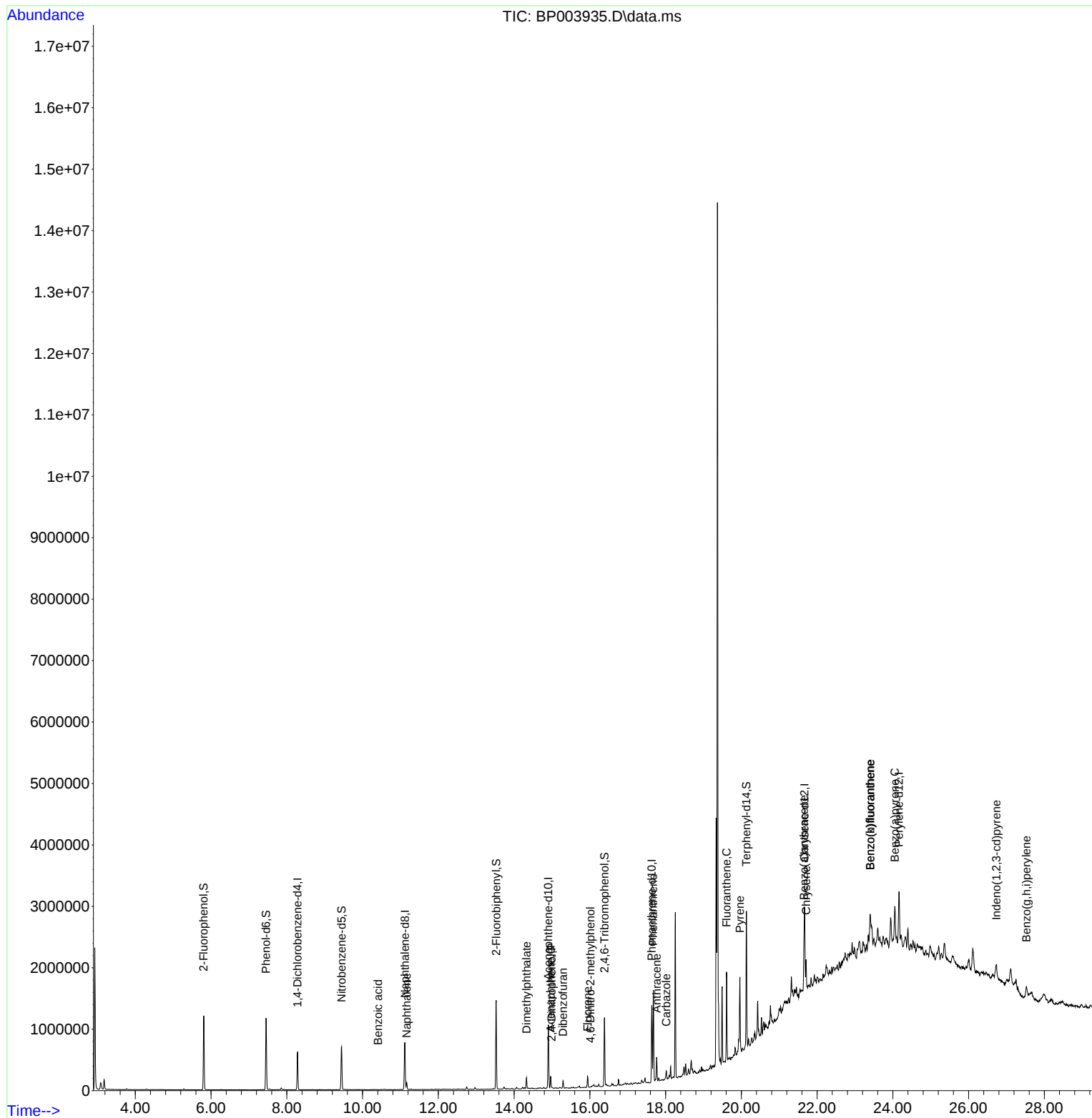
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.281	152	160121	20.00	ng	0.00
21) Naphthalene-d8	11.116	136	616765	20.00	ng	# 0.00
39) Acenaphthene-d10	14.904	164	342390	20.00	ng	0.00
64) Phenanthrene-d10	17.633	188	753161	20.00	ng	# 0.00
76) Chrysene-d12	21.669	240	612775	20.00	ng	0.01
86) Perylene-d12	24.163	264	724422	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	483198	50.36	ng	0.00
7) Phenol-d6	7.452	99	620705	45.07	ng	0.00
23) Nitrobenzene-d5	9.446	82	392535	31.17	ng	0.00
42) 2,4,6-Tribromophenol	16.386	330	201054	46.95	ng	0.00
45) 2-Fluorobiphenyl	13.528	172	754919	30.82	ng	0.00
79) Terphenyl-d14	20.133	244	894505	28.20	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.381	77	672	Below Cal	#	39
31) Naphthalene	11.163	128	85203	2.57	ng	99
32) Benzoic acid	10.410	122	45	8.31	ng	# 1
50) Dimethylphthalate	14.328	163	110607	4.13	ng	99
52) Acenaphthene	14.963	154	65987	3.09	ng	98
54) 2,4-Dinitrophenol	14.987	184	106	2.78	ng	# 1
55) Dibenzofuran	15.292	168	67047	2.12	ng	99
58) Fluorene	15.939	166	76503	3.01	ng	99
65) 4,6-Dinitro-2-methylph...	16.016	198	62	6.36	ng	# 1
71) Phenanthrene	17.675	178	870011	20.58	ng	99
72) Anthracene	17.763	178	237403	5.82	ng	98
73) Carbazole	18.016	167	86374	2.28	ng	98
75) Fluoranthene	19.610	202	823898	16.89	ng	99
78) Pyrene	19.963	202	759180	18.26	ng	99
81) Benzo(a)anthracene	21.651	228	343662	8.50	ng	# 95
83) Chrysene	21.710	228	314063	8.09	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.733	276	251200	4.81	ng	95
88) Benzo(b)fluoranthene	23.404	252	602813	12.72	ng	# 91
89) Benzo(k)fluoranthene	23.404	252	602813	12.88	ng	# 91
90) Benzo(a)pyrene	24.051	252	402626	9.17	ng	# 90
92) Benzo(g,h,i)perylene	27.527	276	257306	6.10	ng	# 93

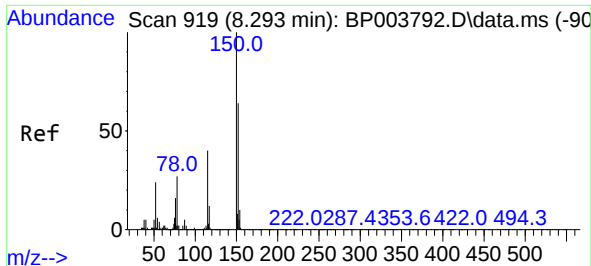
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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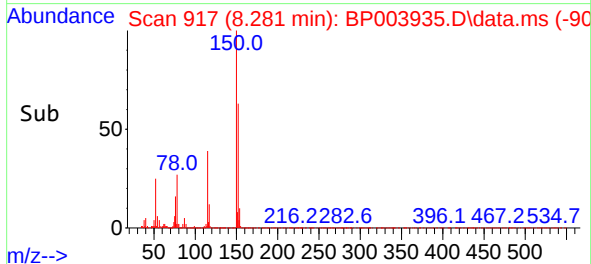
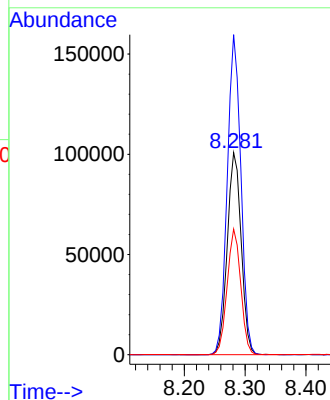
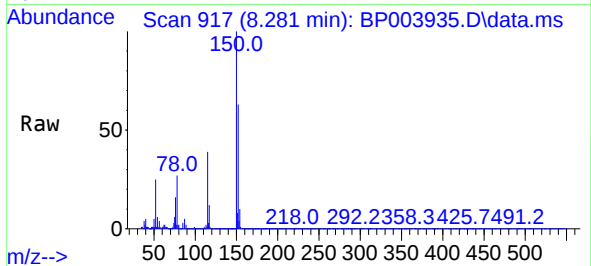




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.281 min Scan# 917
Delta R.T. 0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

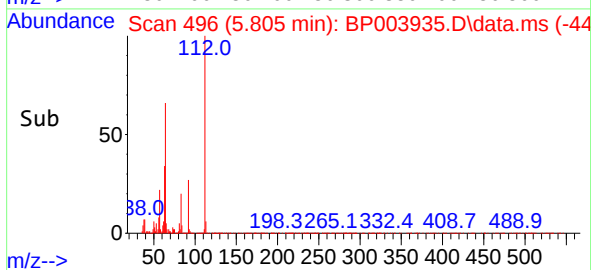
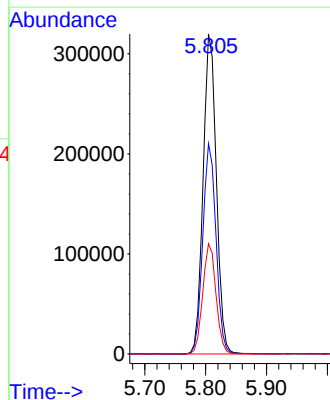
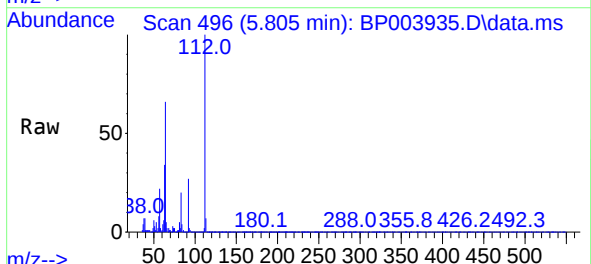
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

Tgt Ion:152 Resp: 160121
Ion Ratio Lower Upper
152 100
150 158.3 123.8 185.6
115 62.1 43.8 65.6



#5
2-Fluorophenol
Concen: 50.36 ng
RT: 5.805 min Scan# 496
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:112 Resp: 483198
Ion Ratio Lower Upper
112 100
64 65.8 32.8 49.2#
63 34.5 17.0 25.4#

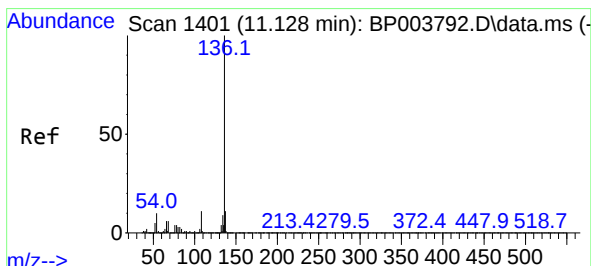
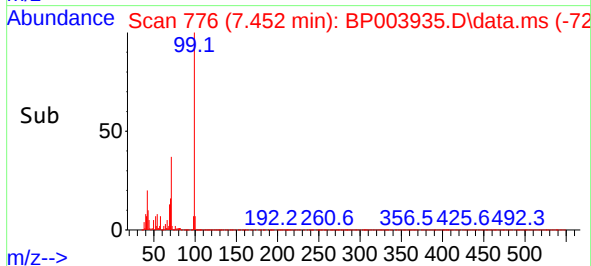
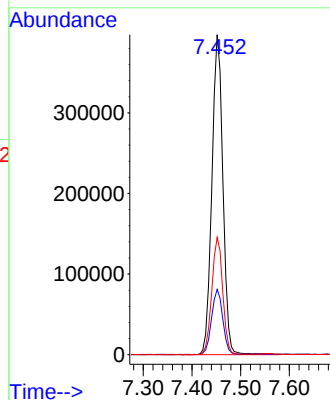
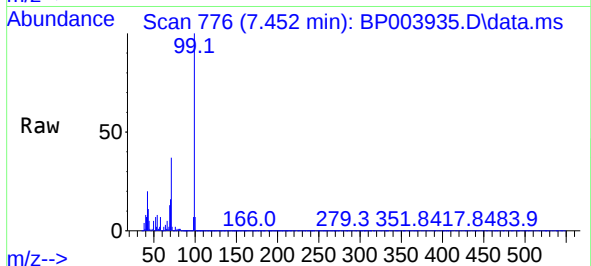




#7
Phenol-d6
Concen: 45.07 ng
RT: 7.452 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

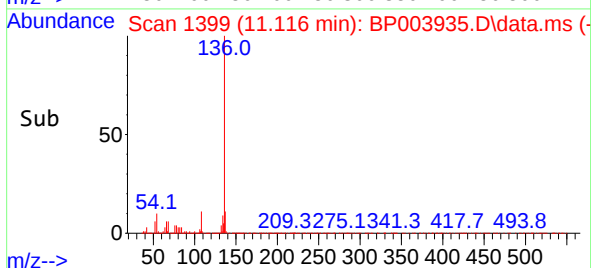
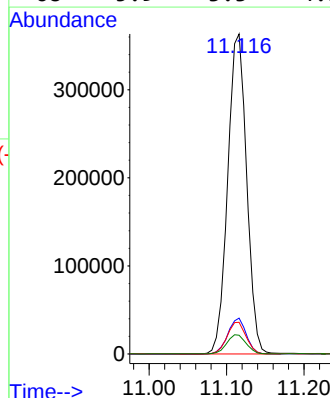
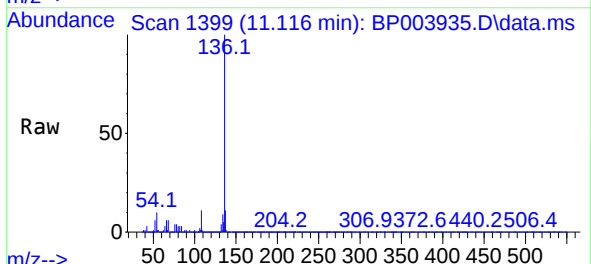
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

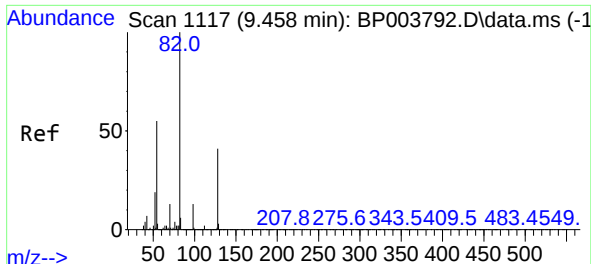
Tgt Ion: 99 Resp: 620705
Ion Ratio Lower Upper
99 100
42 20.4 8.6 13.0#
71 36.6 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.116 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion: 136 Resp: 616765
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.9 3.6 5.4#
68 5.9 3.3 4.9#

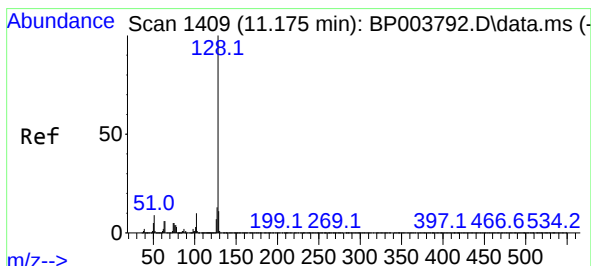
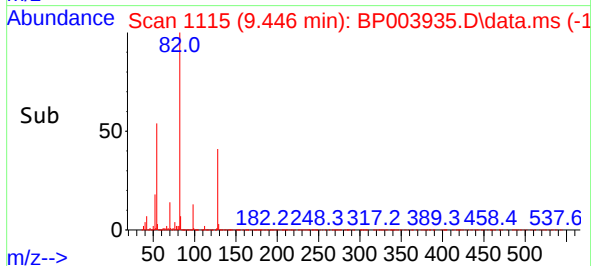
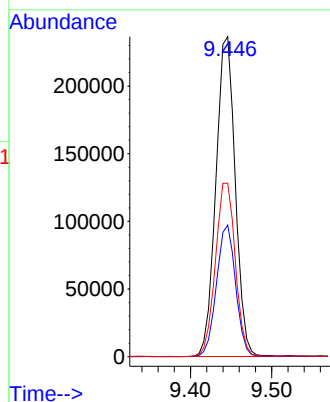
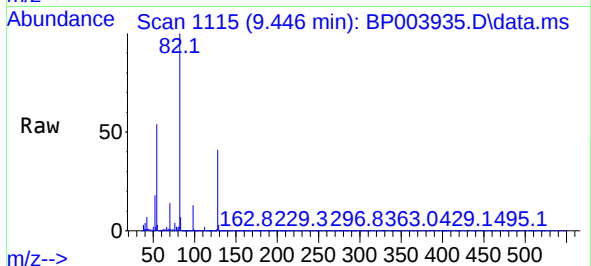




#23
Nitrobenzene-d5
Concen: 31.17 ng
RT: 9.446 min Scan# 1115
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

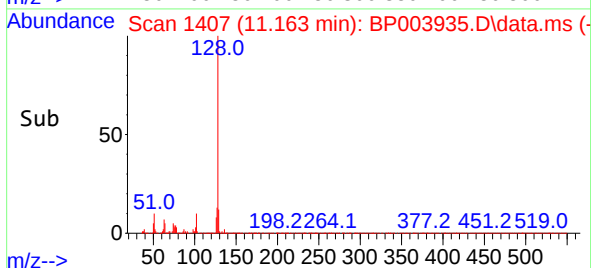
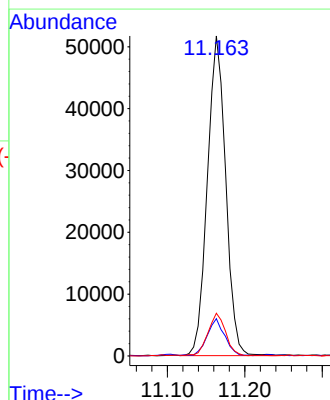
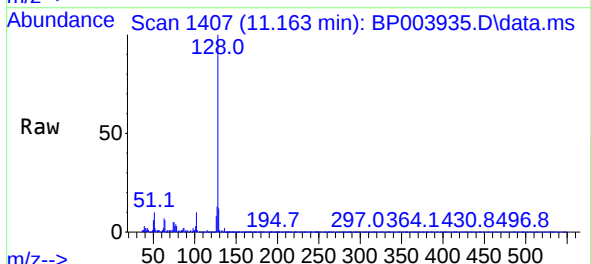
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

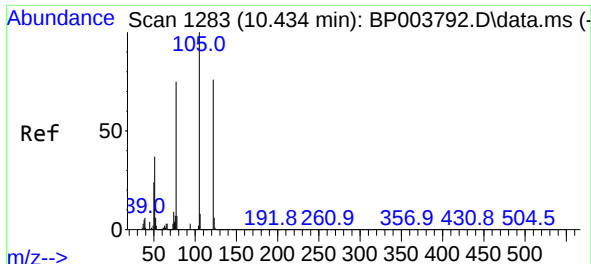
Tgt Ion: 82 Resp: 392535
Ion Ratio Lower Upper
82 100
128 41.1 45.6 68.4#
54 54.2 30.1 45.1#



#31
Naphthalene
Concen: 2.57 ng
RT: 11.163 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion: 128 Resp: 85203
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.3 10.6 15.8

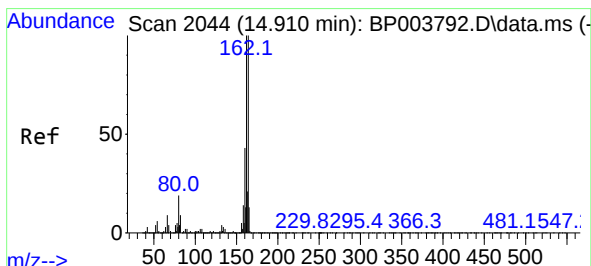
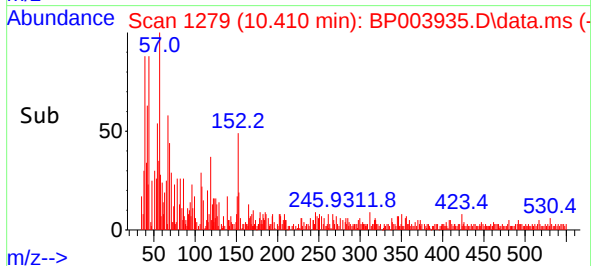
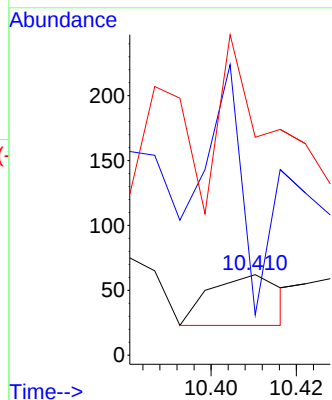
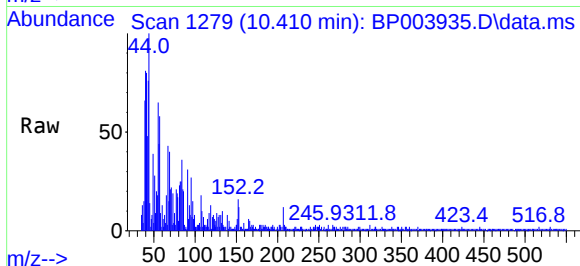




#32
Benzoic acid
Concen: 8.31 ng
RT: 10.410 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

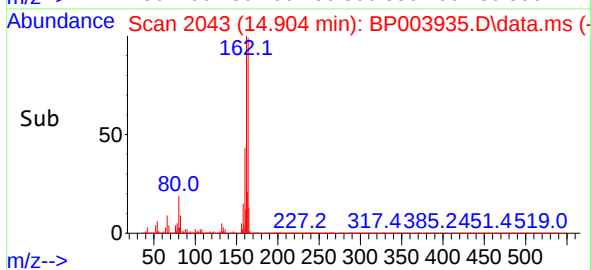
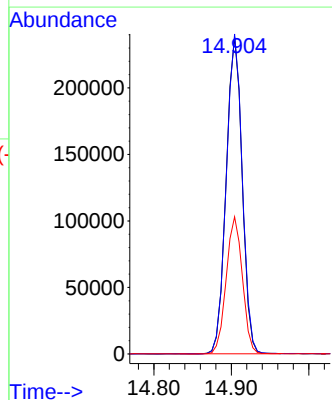
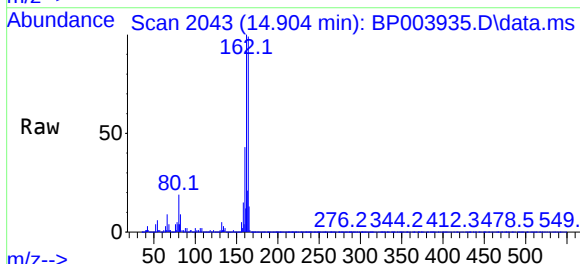
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ClientSampleId :
PAV-B12-0-10

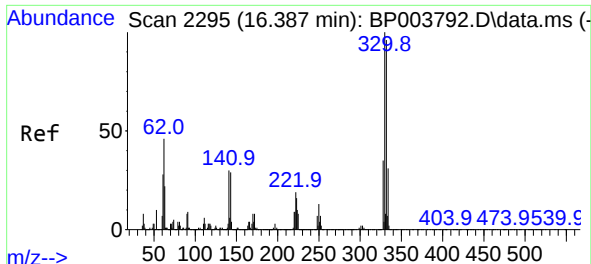
Tgt Ion:	122	Resp:	45
Ion	Ratio	Lower	Upper
122	100		
105	43.1	94.1	134.1#
77	233.3	50.1	90.1#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.904 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:	164	Resp:	342390
Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.4	119.2
160	43.2	36.1	54.1

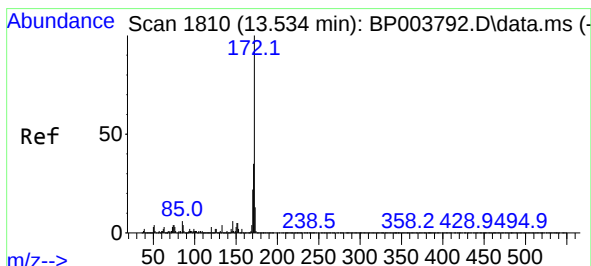
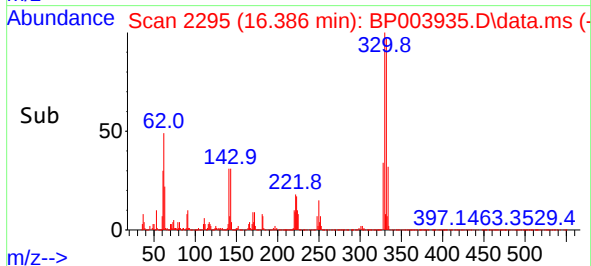
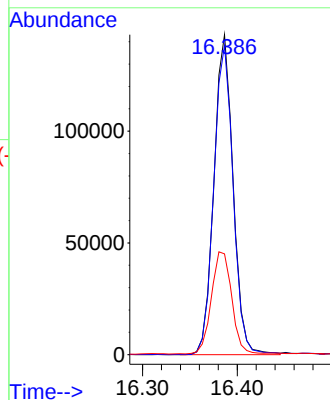
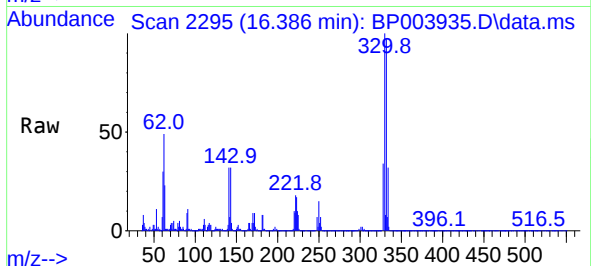




#42
2,4,6-Tribromophenol
Concen: 46.95 ng
RT: 16.386 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

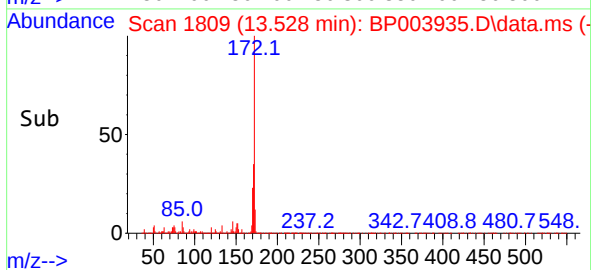
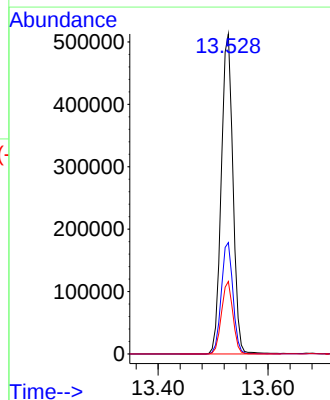
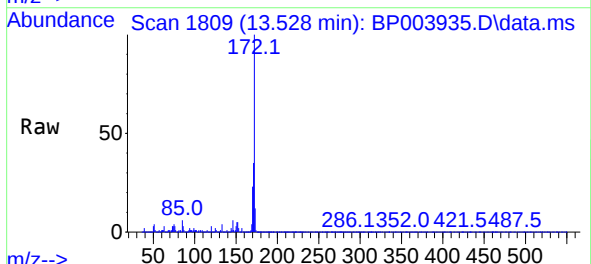
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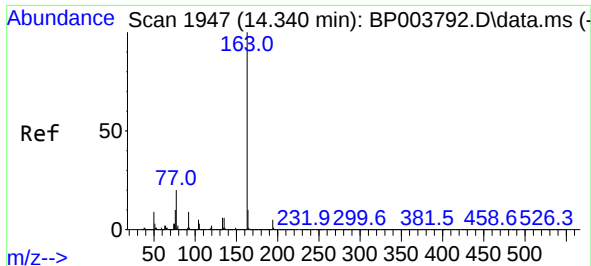
Tgt Ion:330 Resp: 201054
Ion Ratio Lower Upper
330 100
332 97.8 77.1 115.7
141 33.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 30.82 ng
RT: 13.528 min Scan# 1809
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:172 Resp: 754919
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 22.7 19.2 28.8

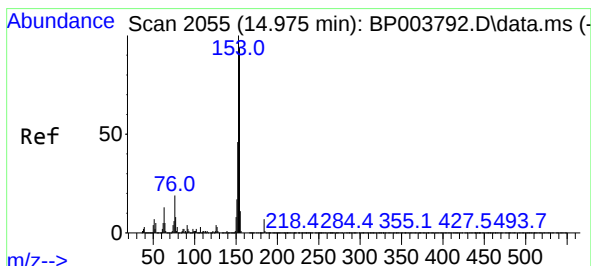
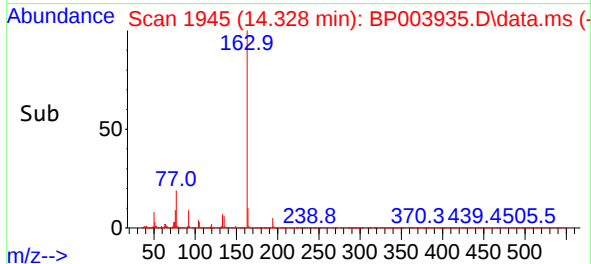
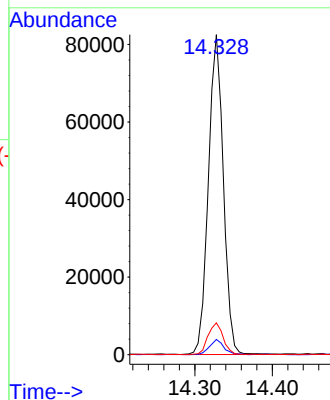
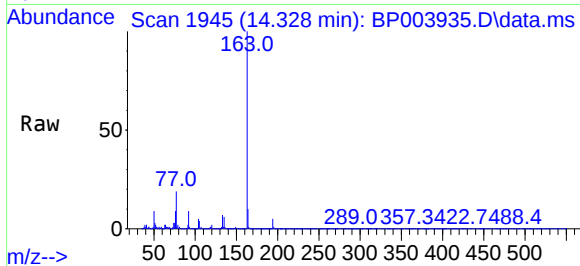




#50
Dimethylphthalate
Concen: 4.13 ng
RT: 14.328 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

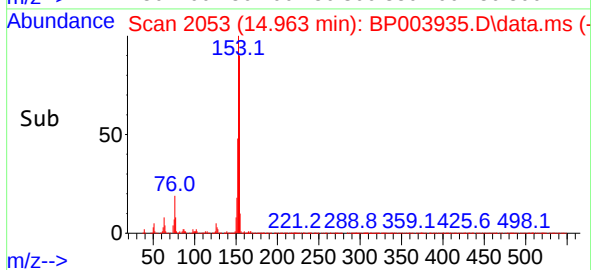
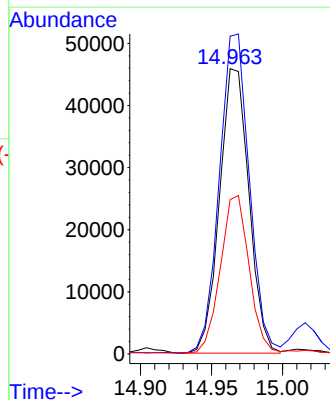
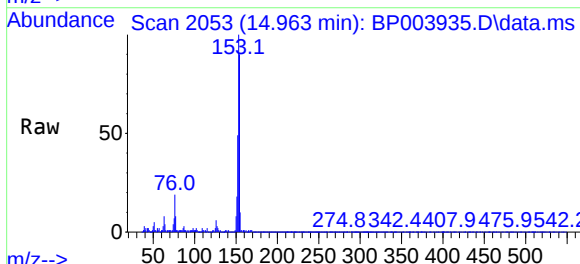
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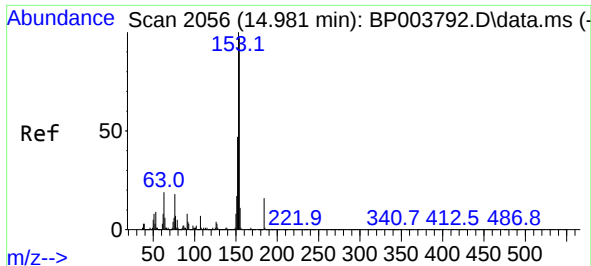
Tgt Ion:163 Resp: 110607
Ion Ratio Lower Upper
163 100
194 4.7 3.3 4.9
164 10.0 8.2 12.2



#52
Acenaphthene
Concen: 3.09 ng
RT: 14.963 min Scan# 2053
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:154 Resp: 65987
Ion Ratio Lower Upper
154 100
153 111.4 91.0 136.6
152 54.1 43.0 64.6

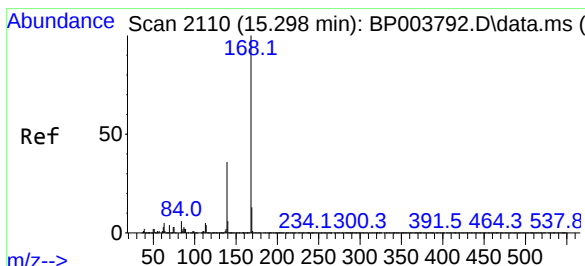
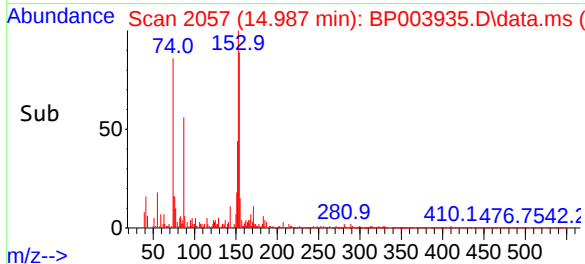
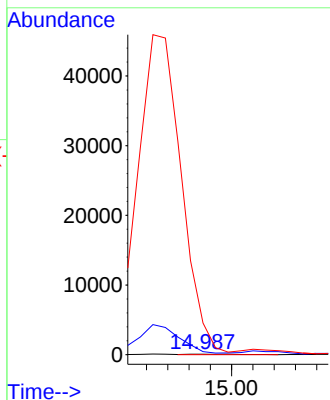
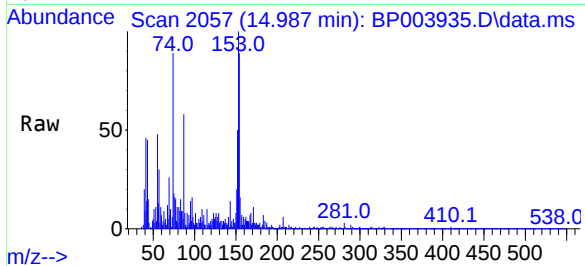




#54
2,4-Dinitrophenol
Concen: 2.78 ng
RT: 14.987 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

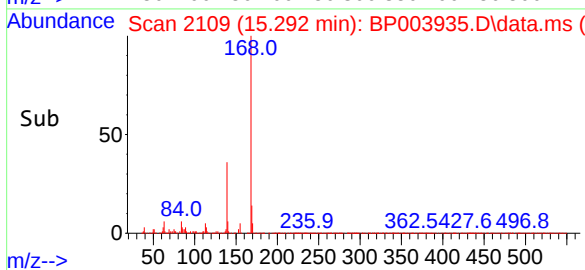
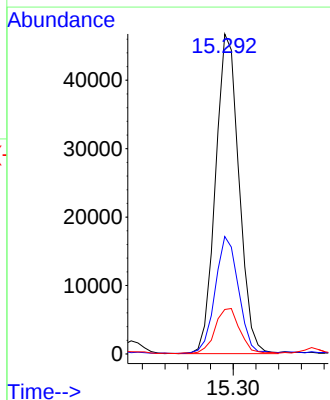
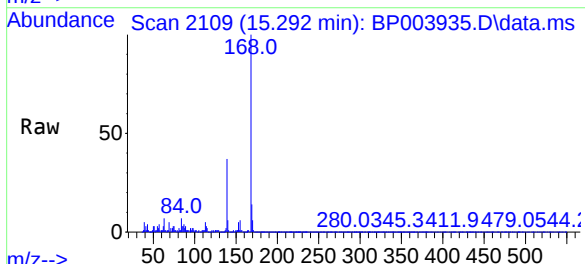
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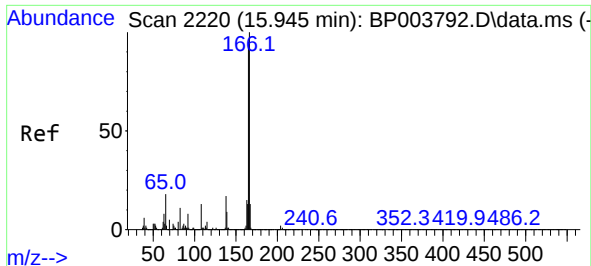
Tgt Ion:184 Resp: 106
Ion Ratio Lower Upper
184 100
63 622.2 32.3 48.5#
154 6315.3 49.1 73.7#



#55
Dibenzofuran
Concen: 2.12 ng
RT: 15.292 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:168 Resp: 67047
Ion Ratio Lower Upper
168 100
139 36.7 29.1 43.7
169 13.9 10.4 15.6

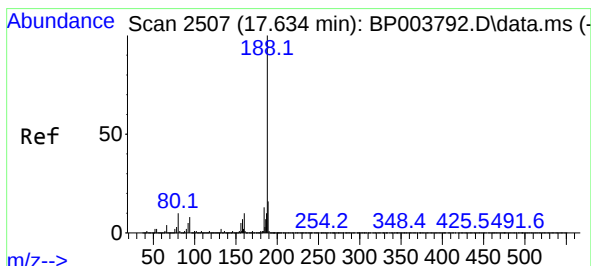
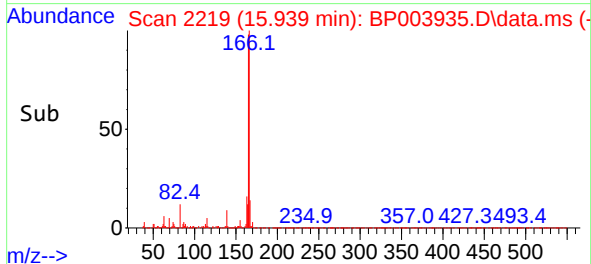
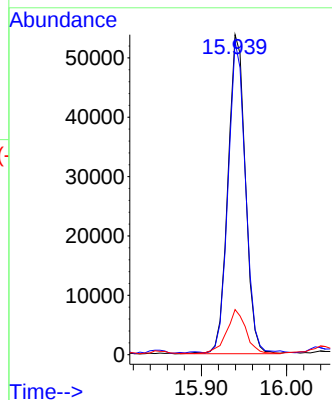
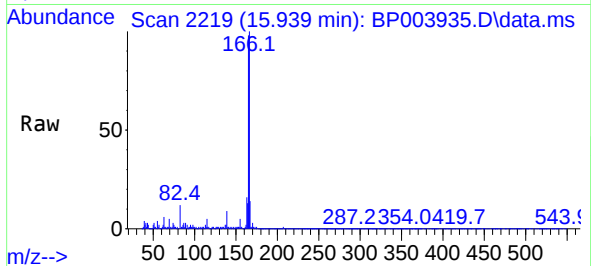




#58
Fluorene
Concen: 3.01 ng
RT: 15.939 min Scan# 2219
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

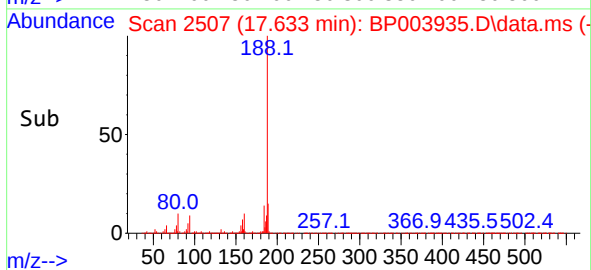
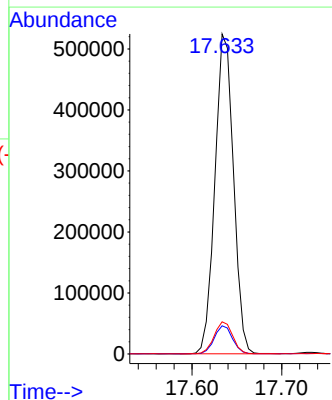
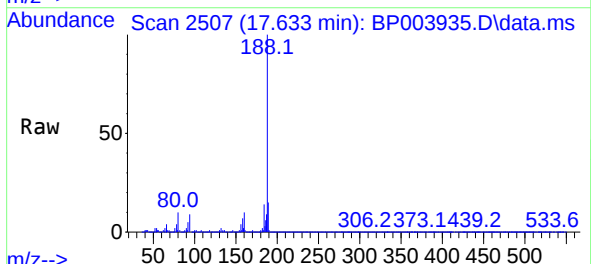
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

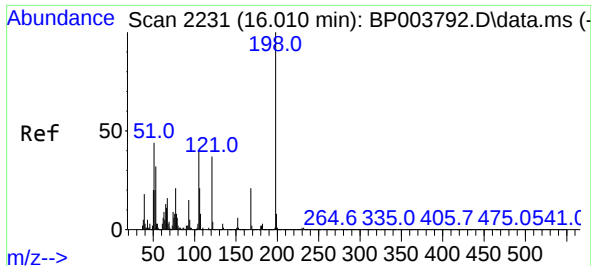
Tgt Ion:166 Resp: 76503
Ion Ratio Lower Upper
166 100
165 97.9 77.8 116.8
167 14.1 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.633 min Scan# 2507
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:188 Resp: 753161
Ion Ratio Lower Upper
188 100
94 8.8 6.2 9.2
80 10.1 6.2 9.2#

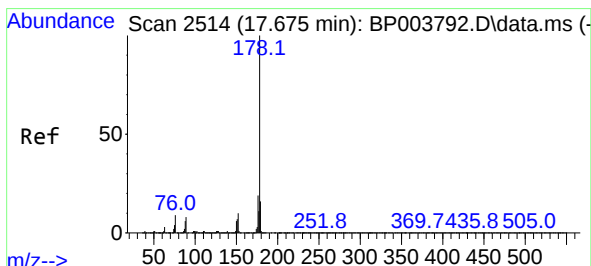
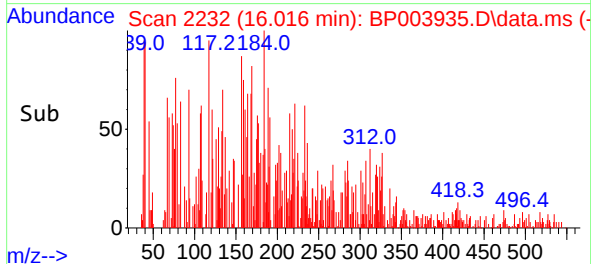
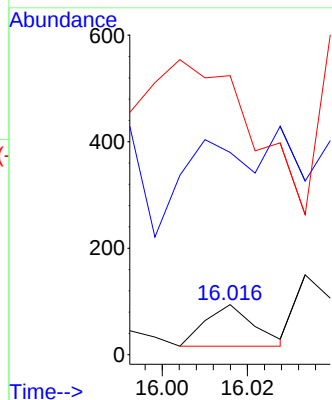
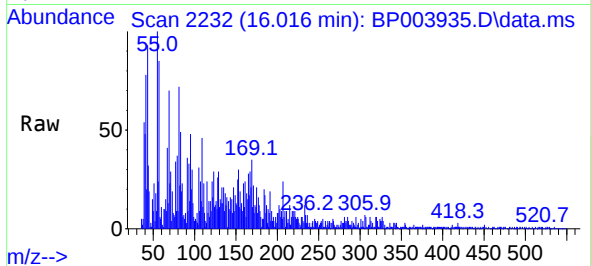




#65
4,6-Dinitro-2-methylphenol
Concen: 6.36 ng
RT: 16.016 min Scan# 2232
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

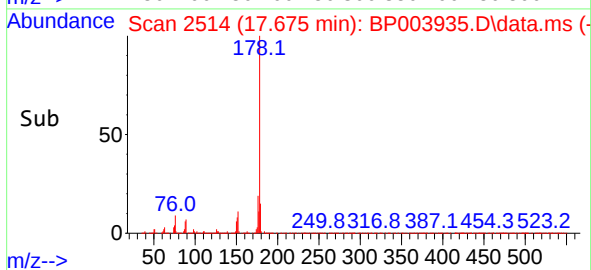
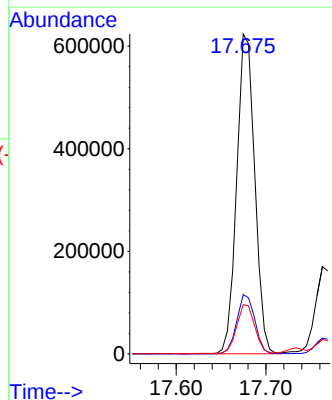
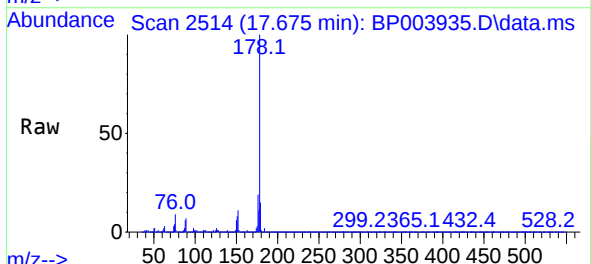
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

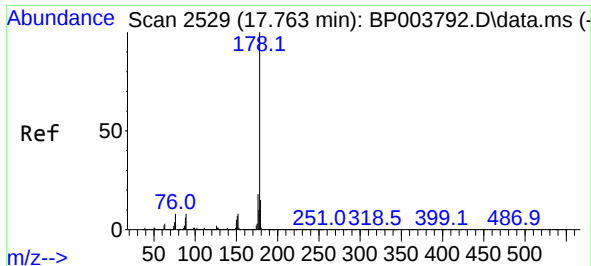
Tgt Ion:198 Resp: 62
Ion Ratio Lower Upper
198 100
51 404.3 6.4 46.4#
105 557.4 18.9 58.9#



#71
Phenanthrene
Concen: 20.58 ng
RT: 17.675 min Scan# 2514
Delta R.T. -0.000 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:178 Resp: 870011
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.4 12.5 18.7

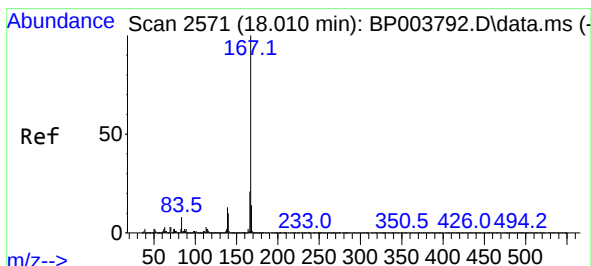
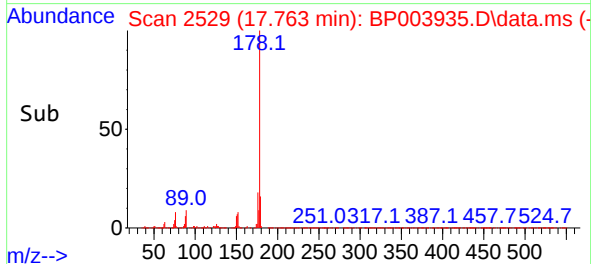
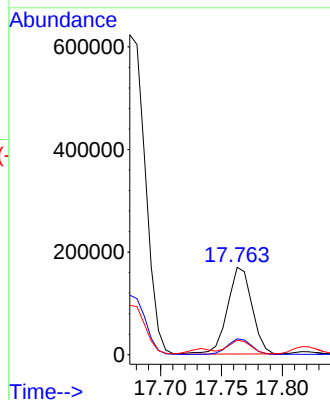
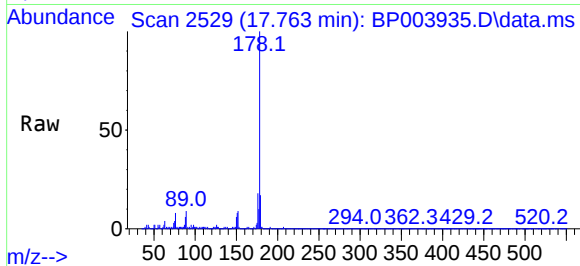




#72
 Anthracene
 Concen: 5.82 ng
 RT: 17.763 min Scan# 2529
 Delta R.T. -0.000 min
 Lab File: BP003935.D
 Acq: 11 Nov 2020 23:21

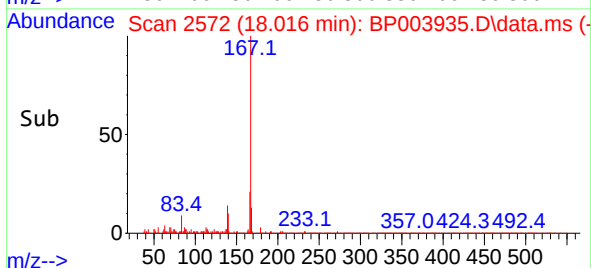
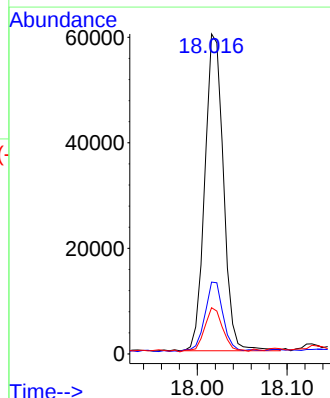
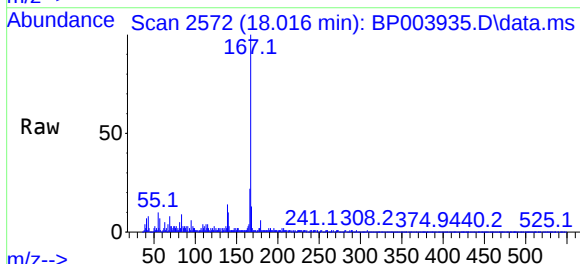
Instrument :
 BNA_P
 ClientSampleId :
 PAV-B12-0-10

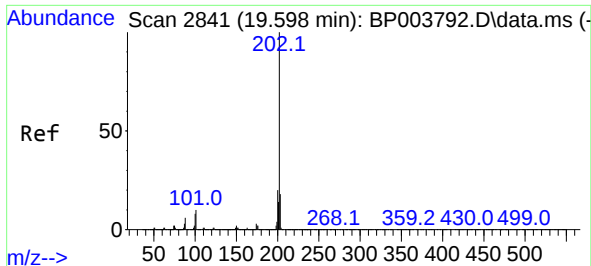
Tgt Ion:178 Resp: 237403
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 16.7 12.5 18.7



#73
 Carbazole
 Concen: 2.28 ng
 RT: 18.016 min Scan# 2572
 Delta R.T. 0.006 min
 Lab File: BP003935.D
 Acq: 11 Nov 2020 23:21

Tgt Ion:167 Resp: 86374
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 14.4 10.2 15.4

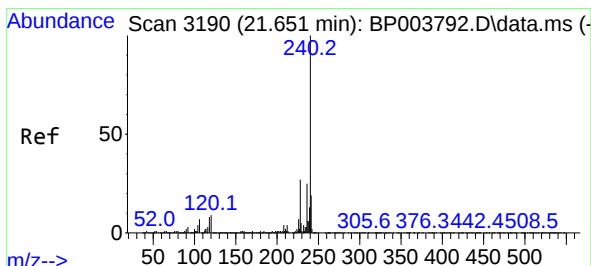
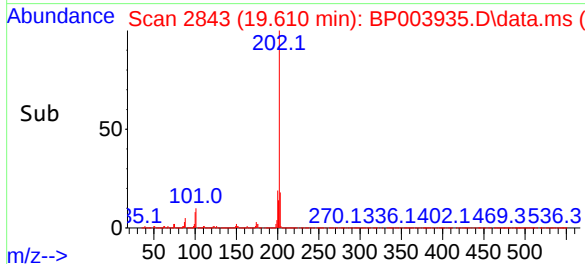
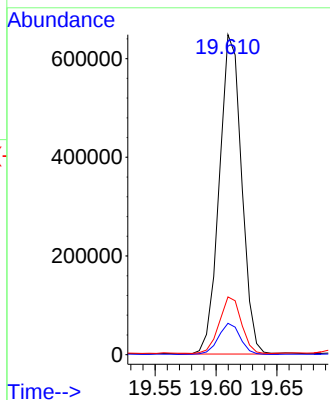
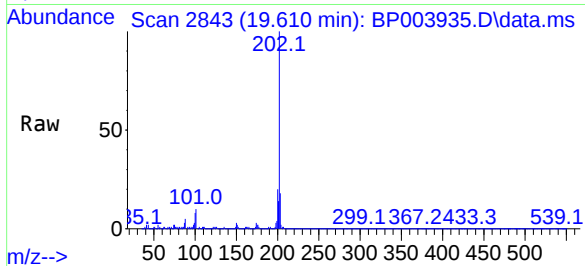




#75
Fluoranthene
Concen: 16.89 ng
RT: 19.610 min Scan# 2843
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

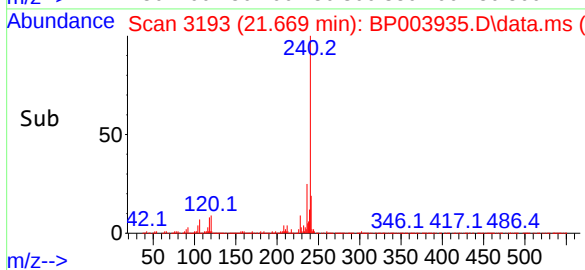
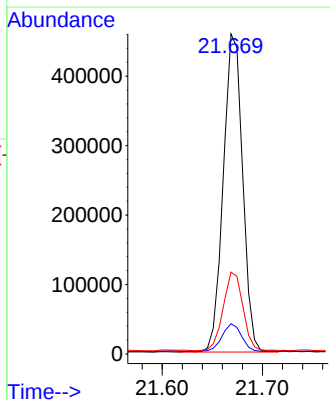
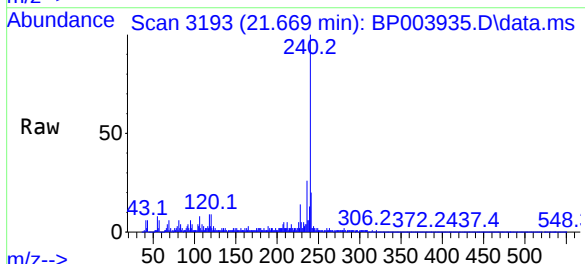
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

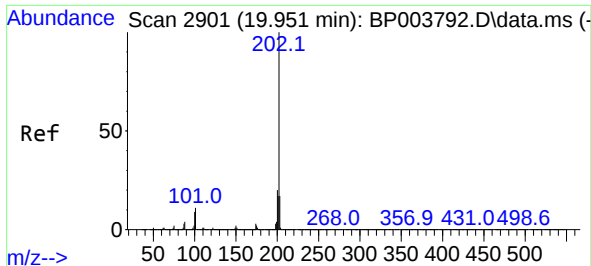
Tgt Ion:	202	Resp:	823898
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	29.4
203	18.1	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.669 min Scan# 3193
Delta R.T. 0.012 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:	240	Resp:	612775
Ion Ratio	Lower	Upper	
240	100		
120	9.5	7.8	11.6
236	25.6	20.8	31.2

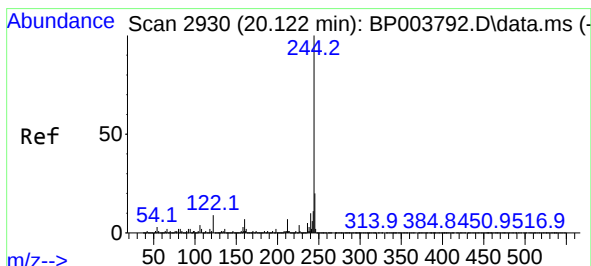
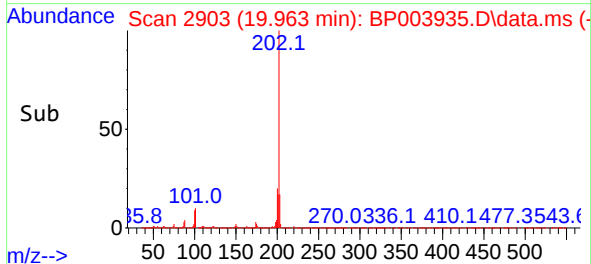
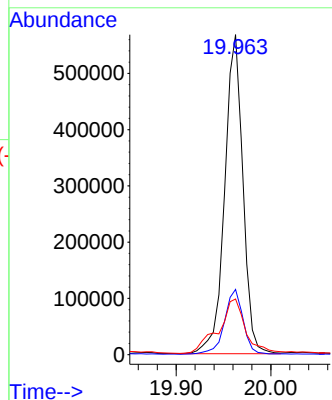
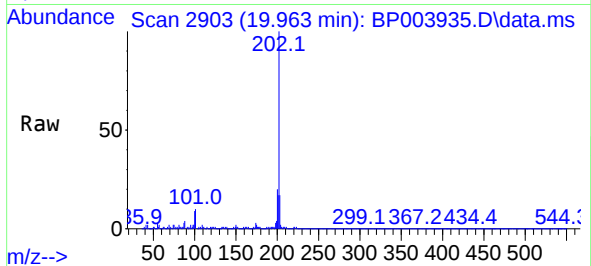




#78
Pyrene
Concen: 18.26 ng
RT: 19.963 min Scan# 2903
Delta R.T. 0.012 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

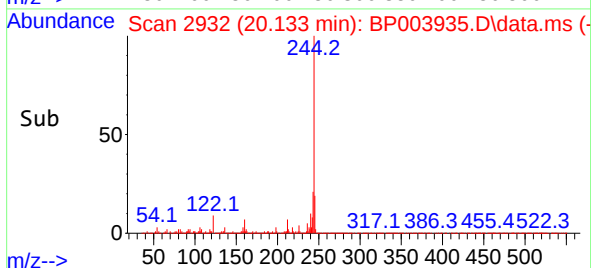
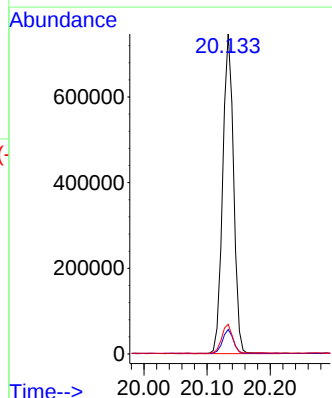
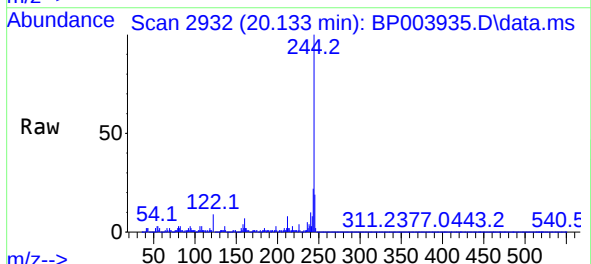
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

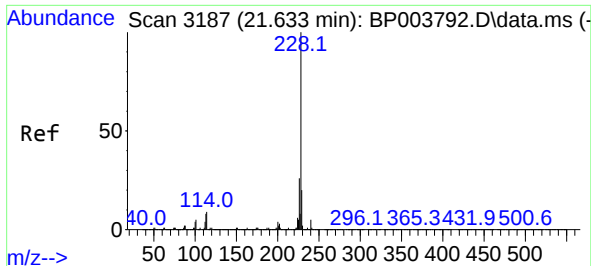
Tgt Ion:202 Resp: 759180
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.4 14.2 21.2



#79
Terphenyl-d14
Concen: 28.20 ng
RT: 20.133 min Scan# 2932
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:244 Resp: 894505
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 9.3 7.8 11.8

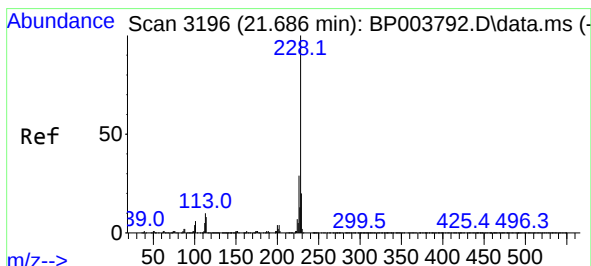
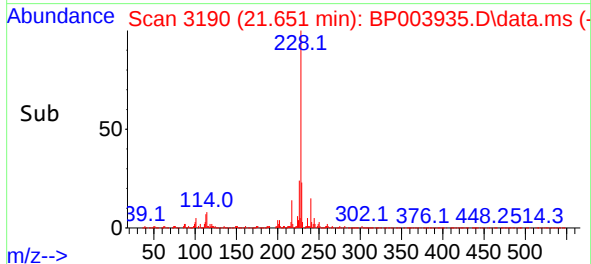
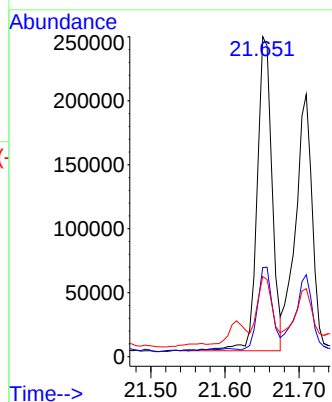
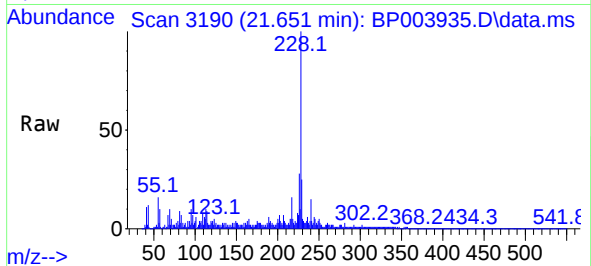




#81
Benzo(a)anthracene
Concen: 8.50 ng
RT: 21.651 min Scan# 3190
Delta R.T. 0.006 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

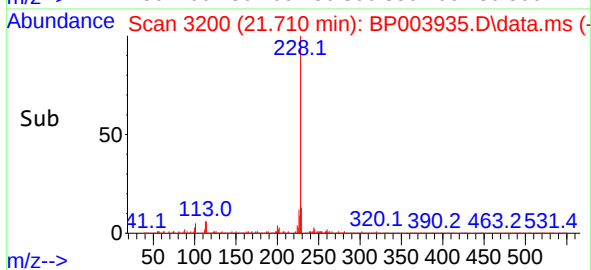
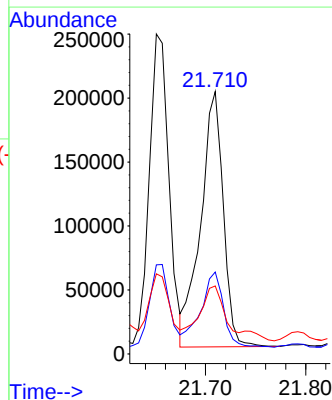
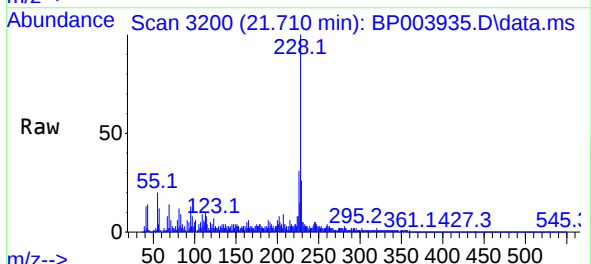
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

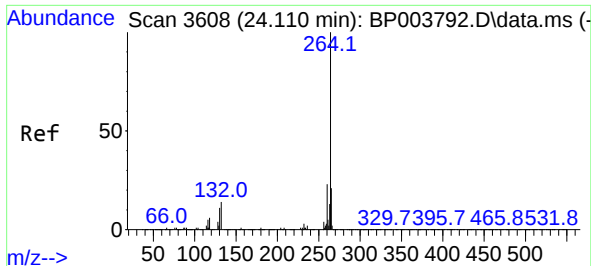
Tgt Ion:228 Resp: 343662
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 25.1 15.9 23.9#



#83
Chrysene
Concen: 8.09 ng
RT: 21.710 min Scan# 3200
Delta R.T. 0.012 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:228 Resp: 314063
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 25.9 15.8 23.6#

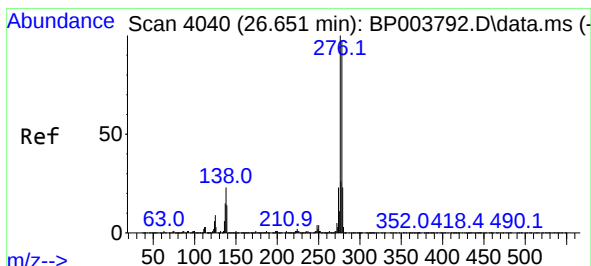
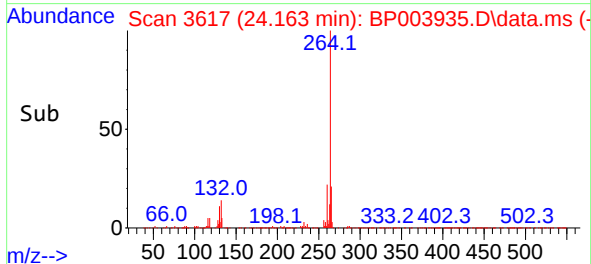
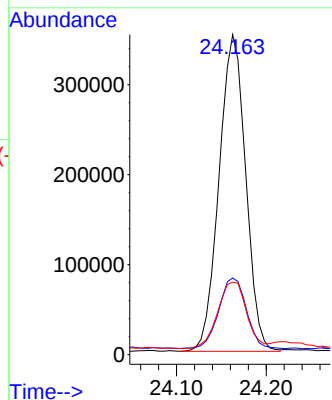
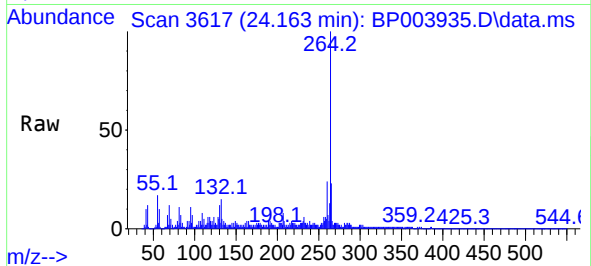




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.163 min Scan# 3617
Delta R.T. 0.035 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

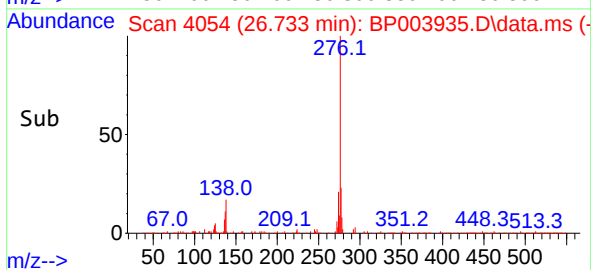
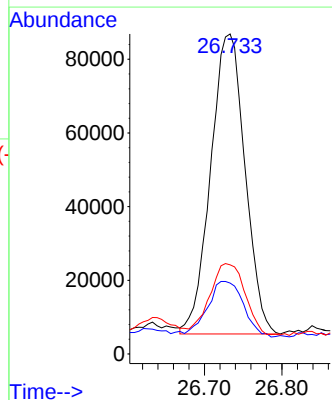
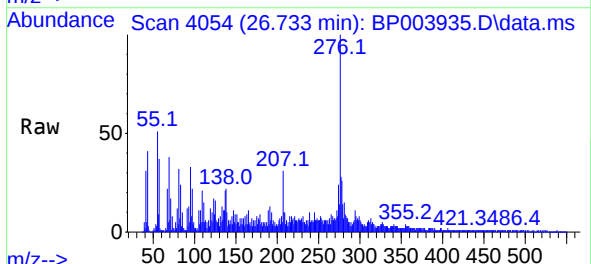
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

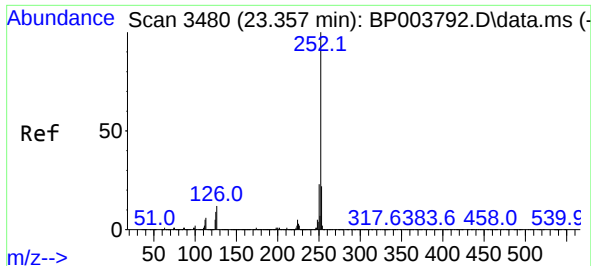
Tgt Ion:264 Resp: 724422
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 22.6 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.81 ng
RT: 26.733 min Scan# 4054
Delta R.T. 0.047 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:276 Resp: 251200
Ion Ratio Lower Upper
276 100
138 19.1 18.7 28.1
277 24.4 20.4 30.6

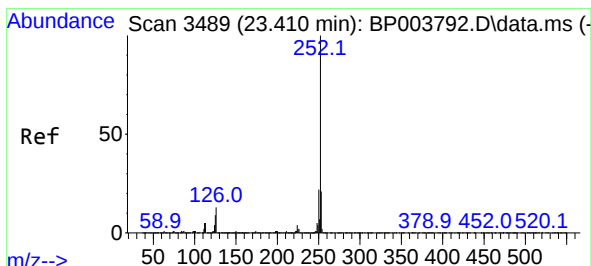
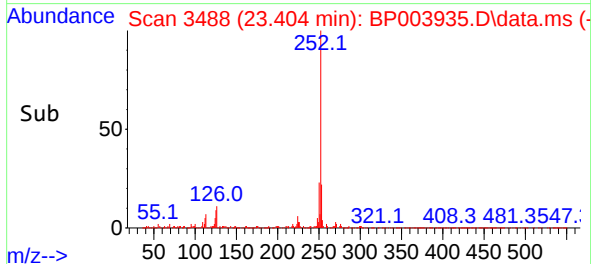
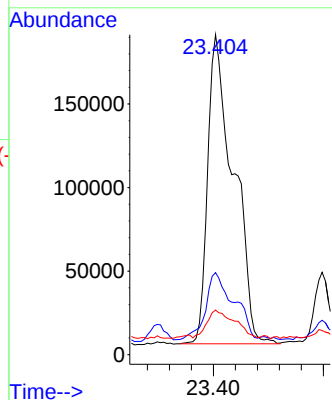
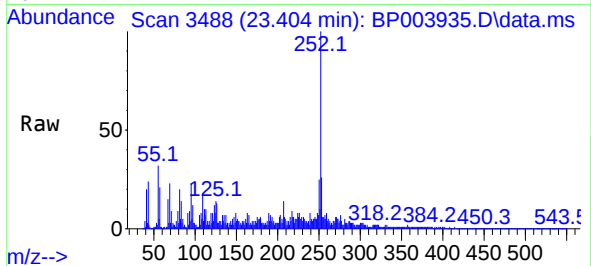




#88
Benzo(b)fluoranthene
Concen: 12.72 ng
RT: 23.404 min Scan# 3488
Delta R.T. 0.023 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

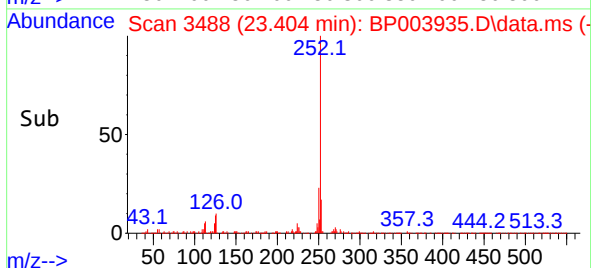
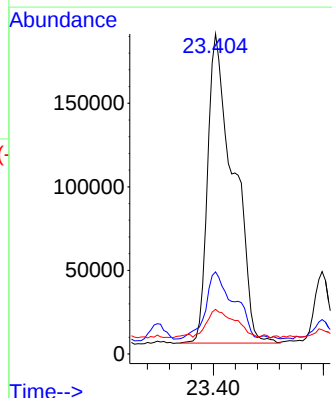
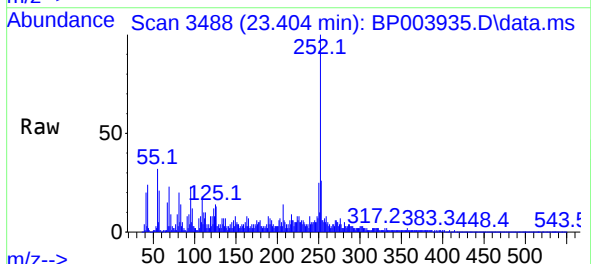
Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

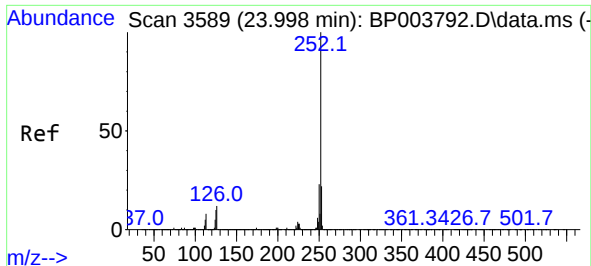
Tgt Ion:252 Resp: 602813
Ion Ratio Lower Upper
252 100
253 25.7 17.6 26.4
125 14.0 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 12.88 ng
RT: 23.404 min Scan# 3488
Delta R.T. -0.024 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:252 Resp: 602813
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 14.0 7.4 11.2#

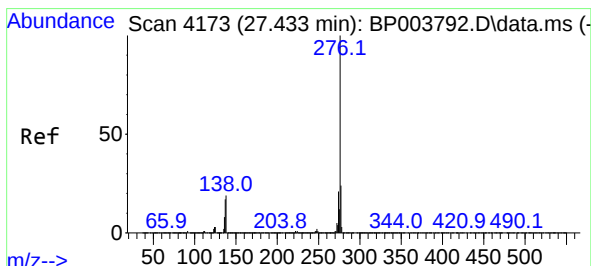
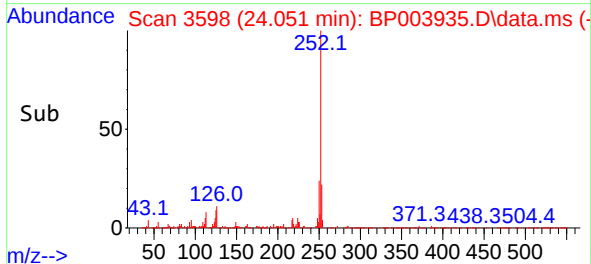
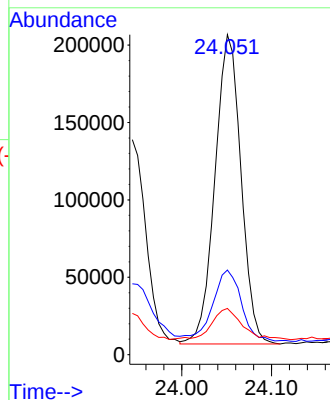
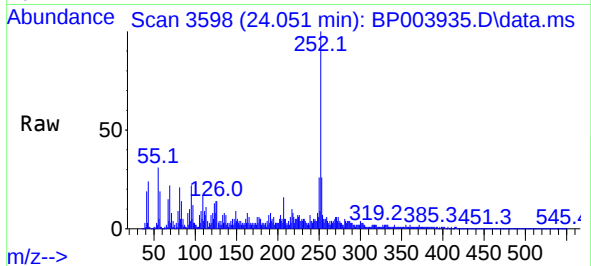




#90
Benzo(a)pyrene
Concen: 9.17 ng
RT: 24.051 min Scan# 3598
Delta R.T. 0.029 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Instrument :
BNA_P
ClientSampleId :
PAV-B12-0-10

Tgt Ion:252 Resp: 402626
Ion Ratio Lower Upper
252 100
253 26.5 17.4 26.0#
125 14.5 8.2 12.4#



#92
Benzo(g,h,i)perylene
Concen: 6.10 ng
RT: 27.527 min Scan# 4189
Delta R.T. 0.053 min
Lab File: BP003935.D
Acq: 11 Nov 2020 23:21

Tgt Ion:276 Resp: 257306
Ion Ratio Lower Upper
276 100
277 28.8 19.0 28.6#
138 21.8 16.6 24.8

