

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
 Data File : BP003575.D
 Acq On : 08 Oct 2020 17:15
 Operator : CG/JU
 Sample : L4311-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PAV-B10-100720-0-10

Quant Time: Oct 08 18:02:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 15:55:58 2020
 Response via : Initial Calibration

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

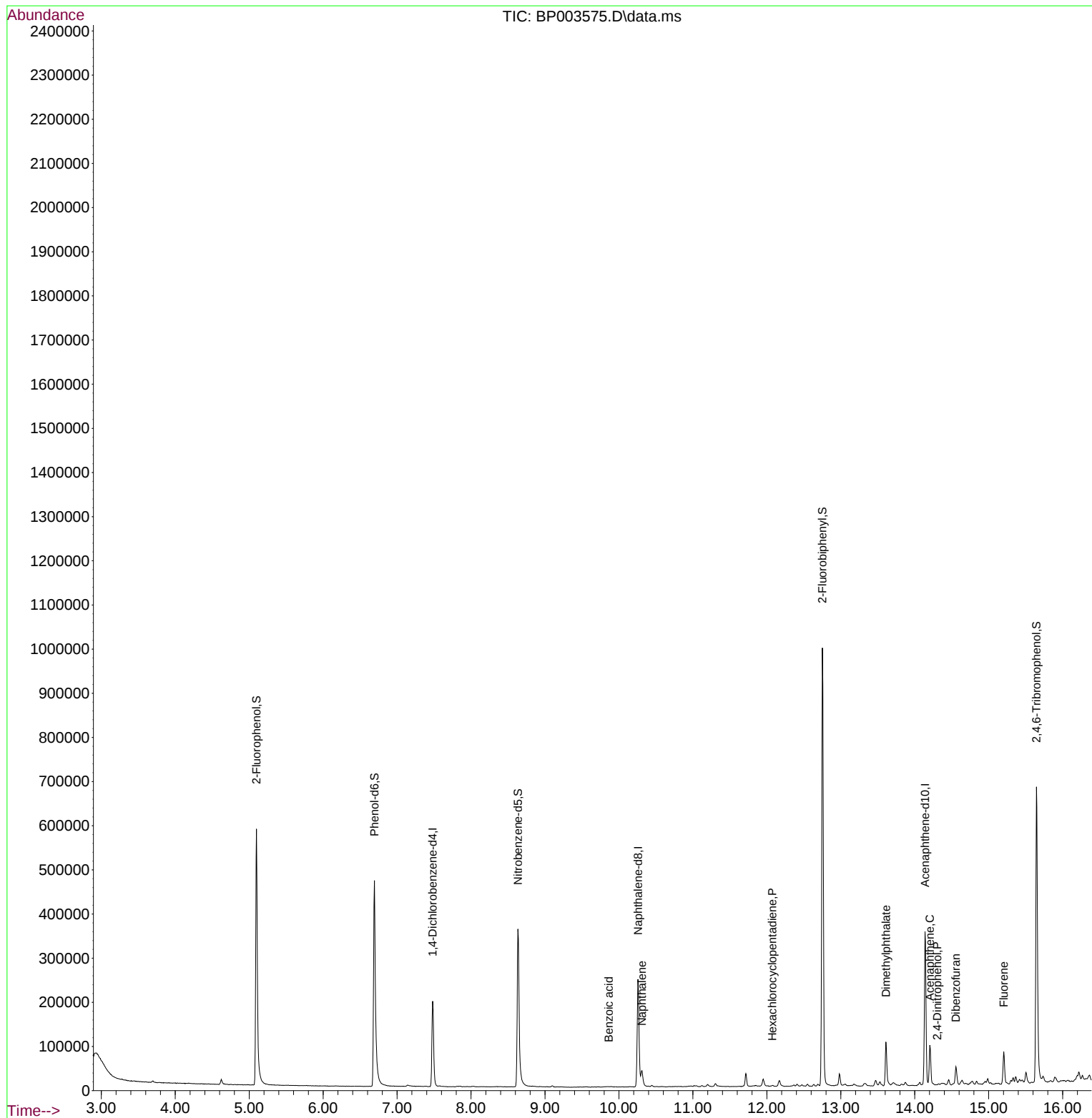
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.481	152	55546	20.00	ng	0.00
21) Naphthalene-d8	10.257	136	207286	20.00	ng	# 0.00
39) Acenaphthene-d10	14.140	164	115529	20.00	ng	0.00
64) Phenanthrene-d10	16.898	188	242700	20.00	ng	0.00
76) Chrysene-d12	21.010	240	285986	20.00	ng	0.00
86) Perylene-d12	23.174	264	348633	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.099	112	291288	91.57	ng	0.00
7) Phenol-d6	6.693	99	325735	76.82	ng	0.00
23) Nitrobenzene-d5	8.634	82	244014	69.16	ng	0.00
42) 2,4,6-Tribromophenol	15.645	330	145711	82.69	ng	0.00
45) 2-Fluorobiphenyl	12.751	172	513403	64.99	ng	0.00
79) Terphenyl-d14	19.486	244	744601	54.25	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.310	128	31083	2.84	ng	99
32) Benzoic acid	9.863	122	270	9.27	ng	83
41) Hexachlorocyclopentadiene	12.075	237	22	6.86	ng	90
50) Dimethylphthalate	13.610	163	65610	7.11	ng	99
52) Acenaphthene	14.204	154	32298	4.87	ng	95
54) 2,4-Dinitrophenol	14.304	184	22	7.27	ng	# 1
55) Dibenzofuran	14.557	168	25329	2.39	ng	# 92
58) Fluorene	15.204	166	30816	3.68	ng	99
70) Pentachlorophenol	16.498	266	28	6.79	ng	97
71) Phenanthrene	16.939	178	461608	34.96	ng	100
72) Anthracene	17.039	178	115899	8.91	ng	99
73) Carbazole	17.322	167	39353	3.18	ng	97
75) Fluoranthene	18.933	202	752102	45.30	ng	98
78) Pyrene	19.280	202	751394	42.13	ng	99
81) Benzo(a)anthracene	20.992	228	420953	22.77	ng	99
83) Chrysene	21.045	228	374964	21.11	ng	97
87) Indeno(1,2,3-cd)pyrene	25.368	276	363005	13.74	ng	# 91
88) Benzo(b)fluoranthene	22.533	252	604970	27.48	ng	98
89) Benzo(k)fluoranthene	22.533	252	604970	28.67	ng	98
90) Benzo(a)pyrene	23.080	252	510194	24.58	ng	96
91) Dibenzo(a,h)anthracene	25.615	278	72597	3.33	ng	93
92) Benzo(g,h,i)perylene	26.039	276	393058	18.06	ng	# 94

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

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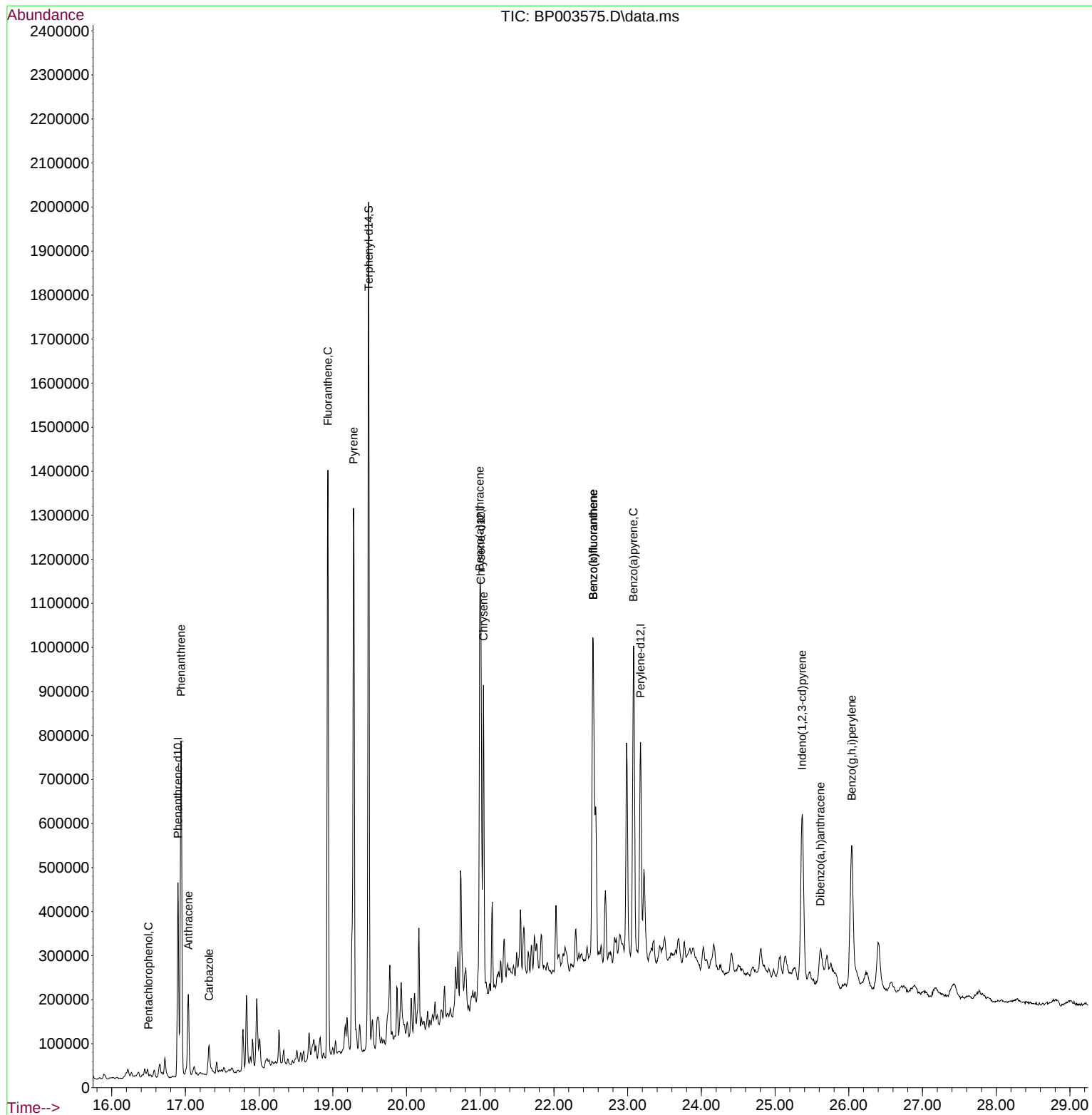
Quant Time: Oct 08 18:02:46 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 08 15:55:58 2020
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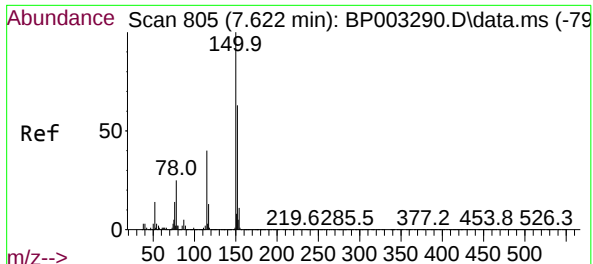


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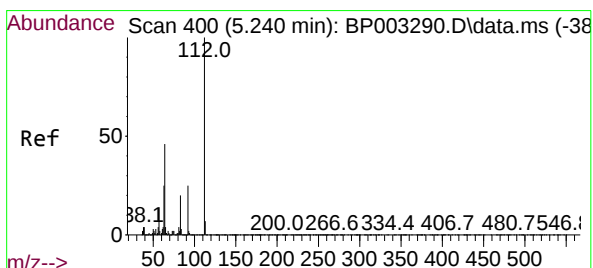
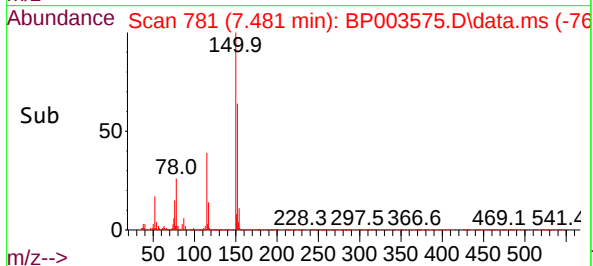
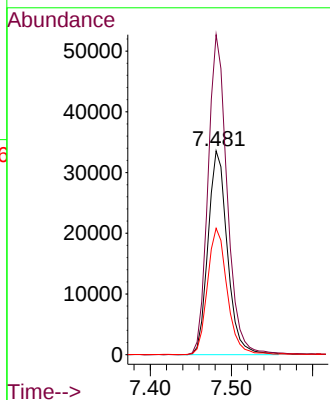
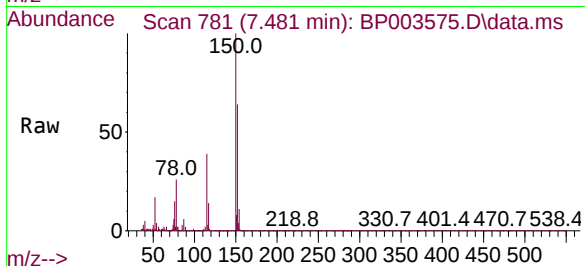




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.481 min Scan# 781
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

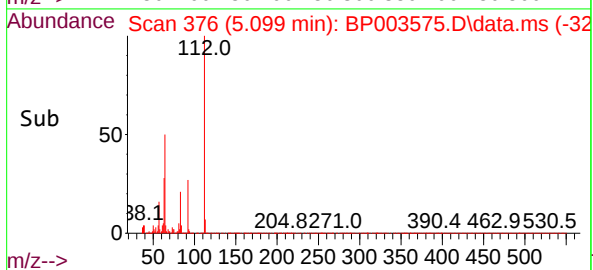
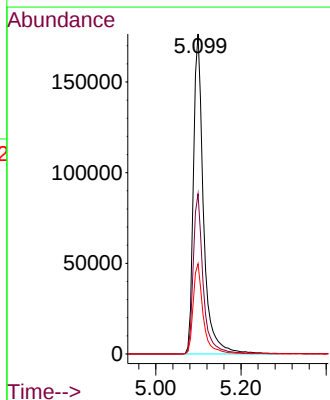
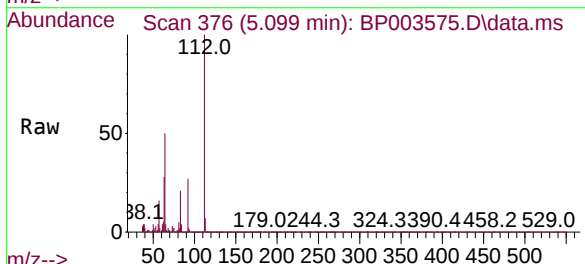
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

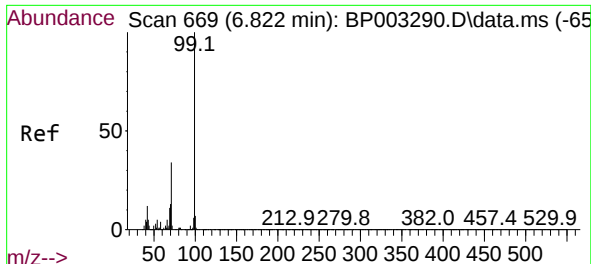
Tgt Ion:152 Resp: 55546
Ion Ratio Lower Upper
152 100
150 157.0 123.8 185.6
115 62.0 43.8 65.6



#5
2-Fluorophenol
Concen: 91.57 ng
RT: 5.099 min Scan# 376
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:112 Resp: 291288
Ion Ratio Lower Upper
112 100
64 50.0 32.8 49.2#
63 28.2 17.0 25.4#

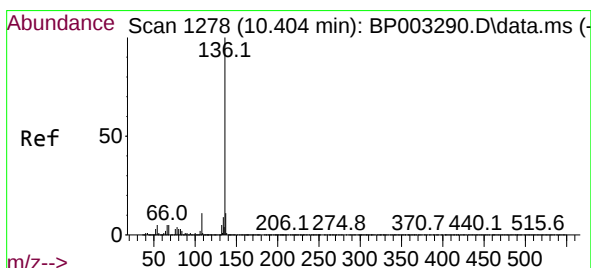
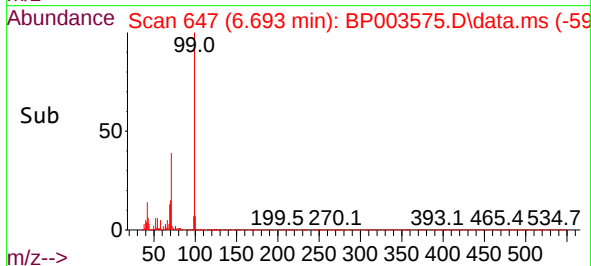
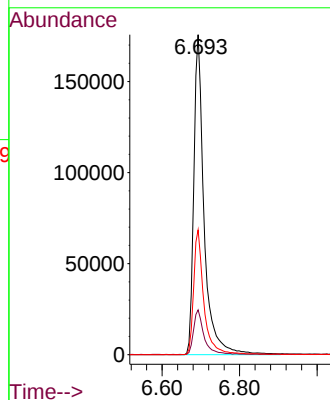
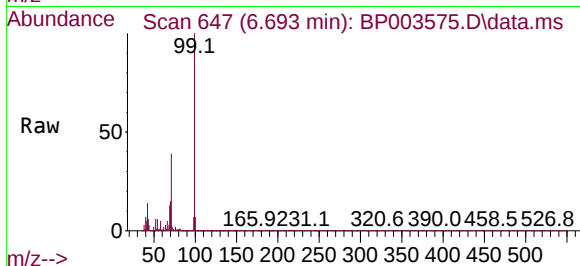




#7
Phenol-d6
Concen: 76.82 ng
RT: 6.693 min Scan# 647
Delta R.T. 0.006 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

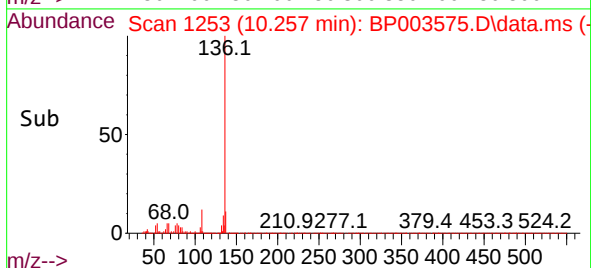
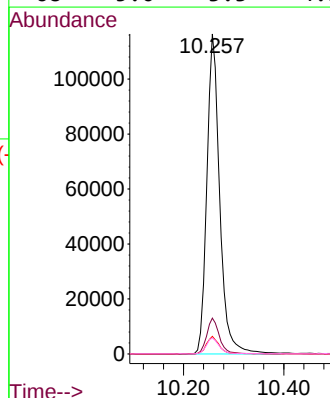
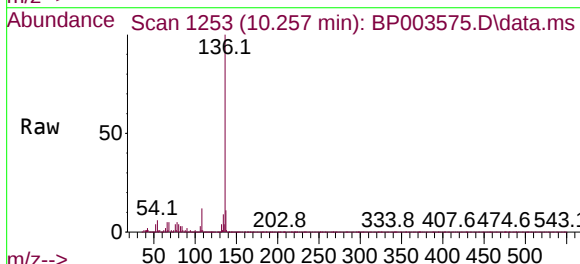
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

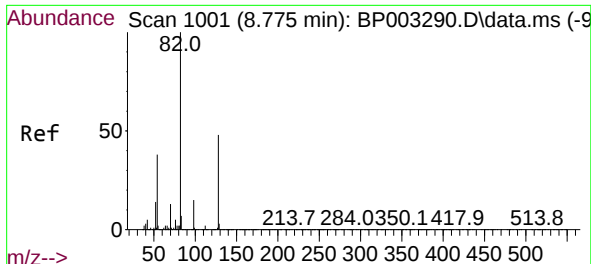
Tgt Ion: 99 Resp: 325735
Ion Ratio Lower Upper
99 100
42 14.0 8.6 13.0#
71 39.0 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.257 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion: 136 Resp: 207286
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 5.5 3.6 5.4#
68 5.0 3.3 4.9#

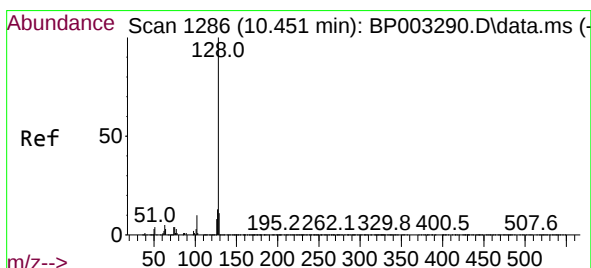
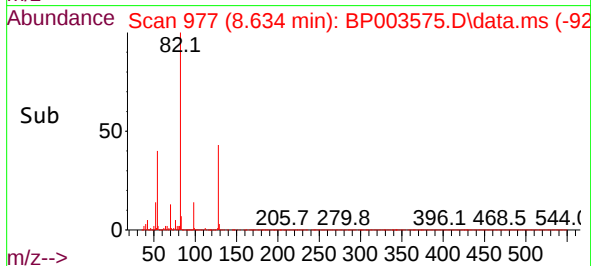
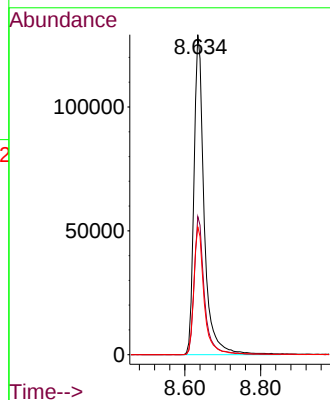
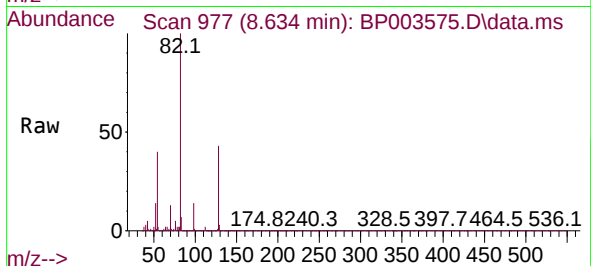




#23
Nitrobenzene-d5
Concen: 69.16 ng
RT: 8.634 min Scan# 977
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

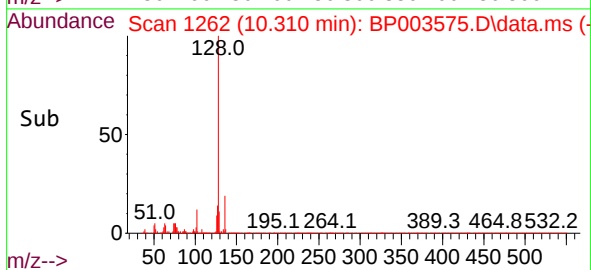
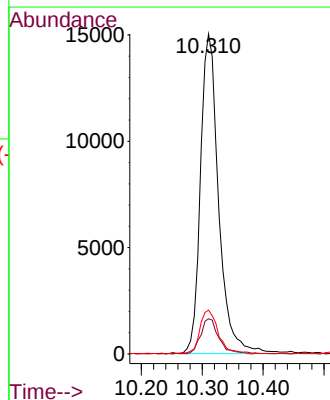
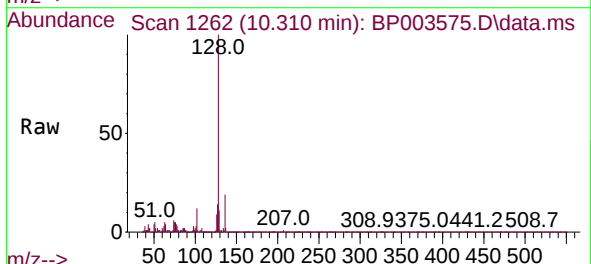
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ClientSampleId :
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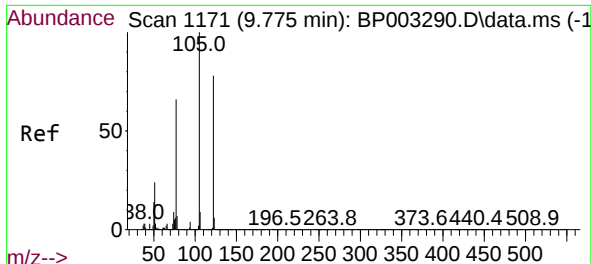
Tgt Ion: 82 Resp: 244014
Ion Ratio Lower Upper
82 100
128 43.2 45.6 68.4#
54 39.9 30.1 45.1



#31
Naphthalene
Concen: 2.84 ng
RT: 10.310 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion: 128 Resp: 31083
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.7 10.6 15.8

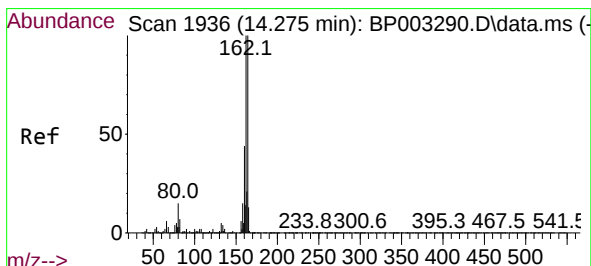
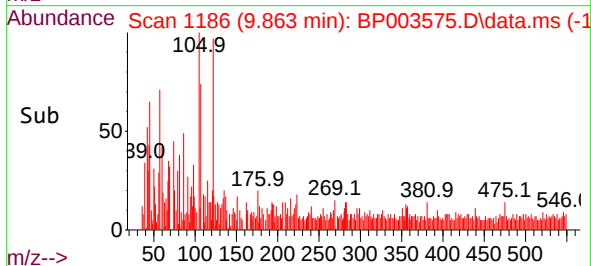
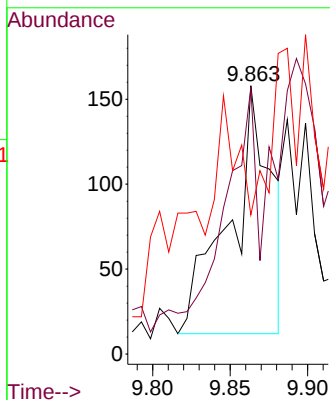
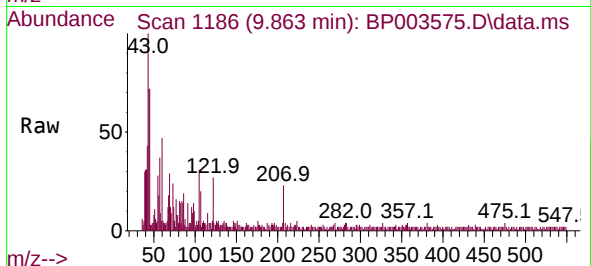




#32
Benzoic acid
Concen: 9.27 ng
RT: 9.863 min Scan# 1186
Delta R.T. 0.182 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

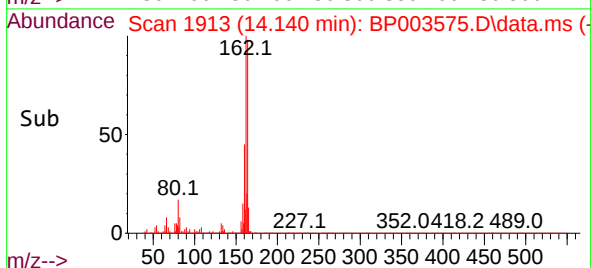
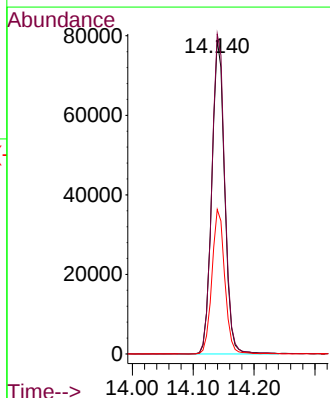
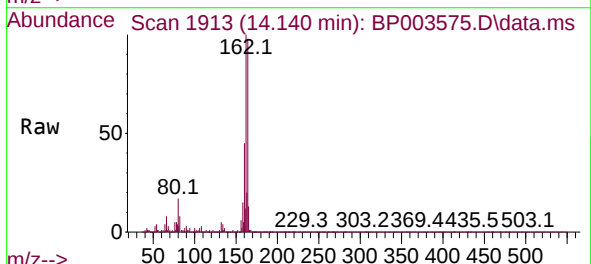
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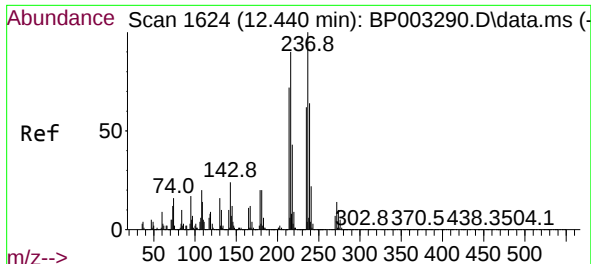
Tgt Ion:	122	Resp:	270
Ion	Ratio	Lower	Upper
122	100		
105	99.4	94.1	134.1
77	51.9	50.1	90.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.140 min Scan# 1913
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:	164	Resp:	115529
Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.4	119.2
160	46.1	36.1	54.1

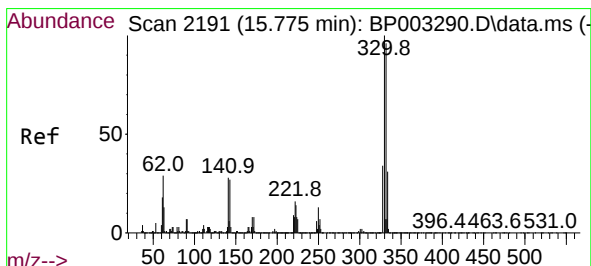
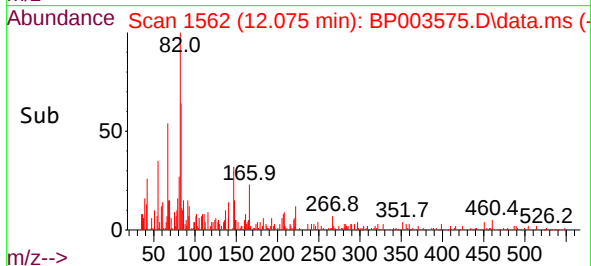
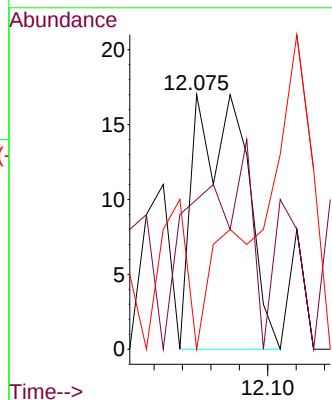
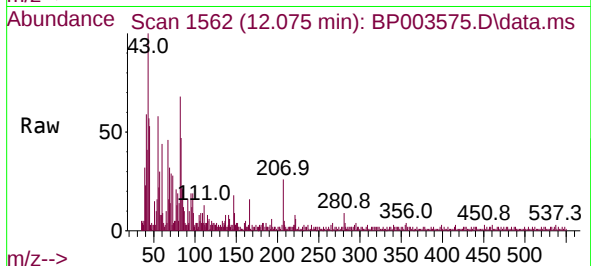




#41
Hexachlorocyclopentadiene
Concen: 6.86 ng
RT: 12.075 min Scan# 1562
Delta R.T. -0.218 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

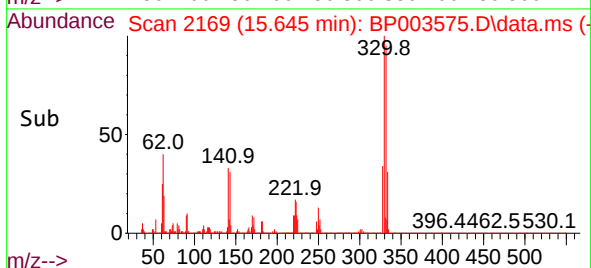
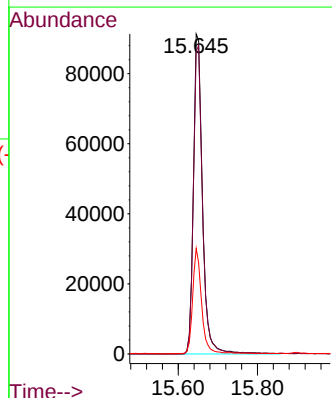
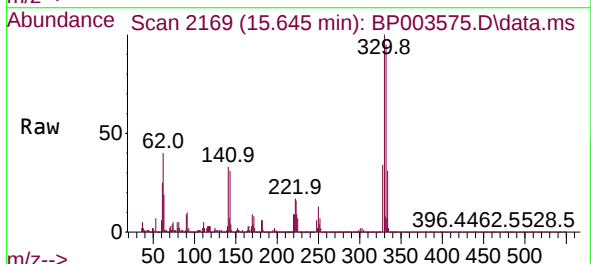
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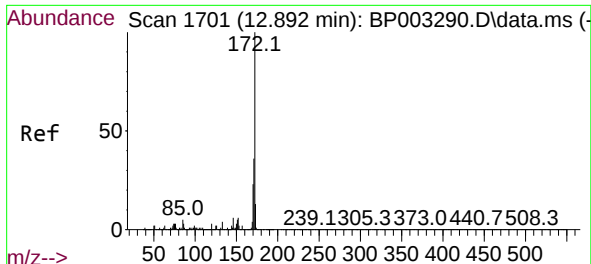
Tgt Ion:	237	Resp:	22
Ion	Ratio	Lower	Upper
237	100		
235	58.8	43.2	83.2
272	0.0	0.0	33.3



#42
2,4,6-Tribromophenol
Concen: 82.69 ng
RT: 15.645 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:	330	Resp:	145711
Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	32.2	23.4	35.2

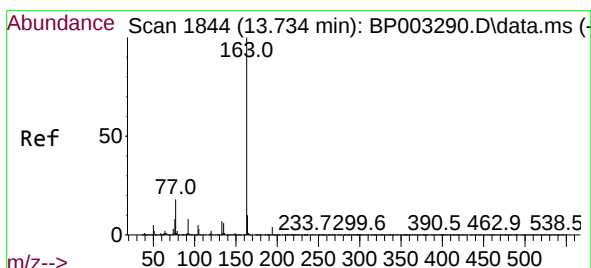
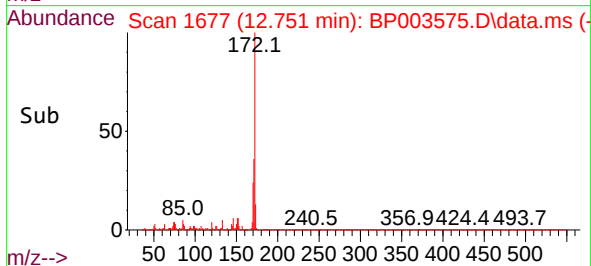
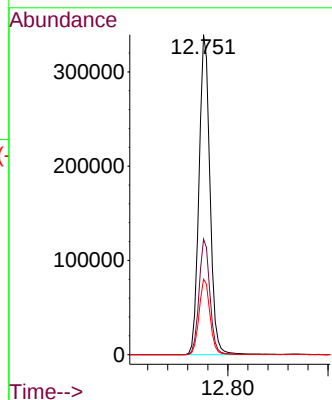
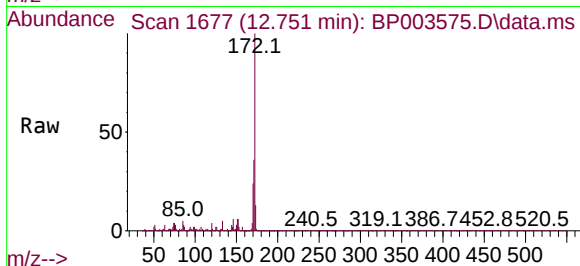




#45
2-Fluorobiphenyl
Concen: 64.99 ng
RT: 12.751 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

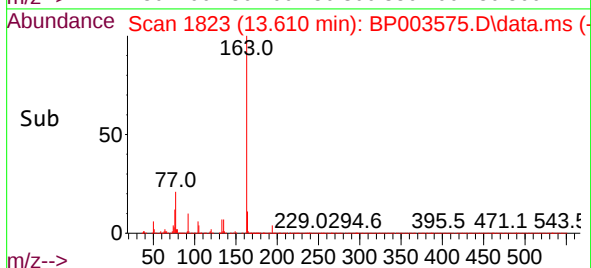
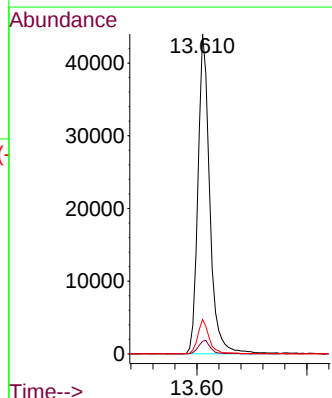
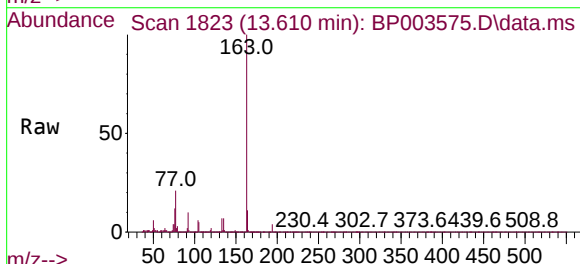
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

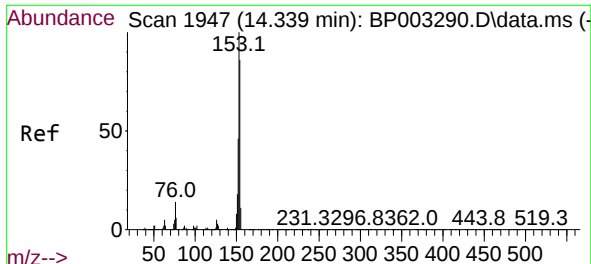
Tgt Ion:172 Resp: 513403
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.6 19.2 28.8



#50
Dimethylphthalate
Concen: 7.11 ng
RT: 13.610 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:163 Resp: 65610
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.8 8.2 12.2

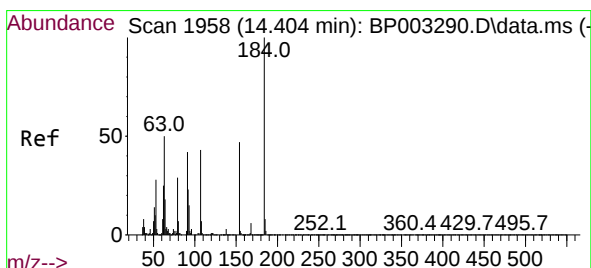
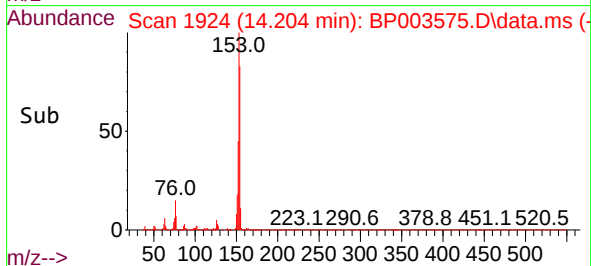
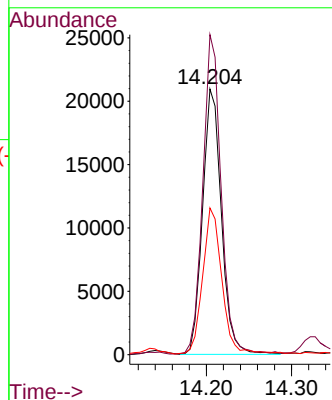
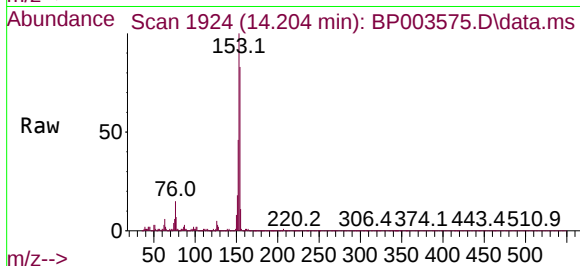




#52
Acenaphthene
Concen: 4.87 ng
RT: 14.204 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

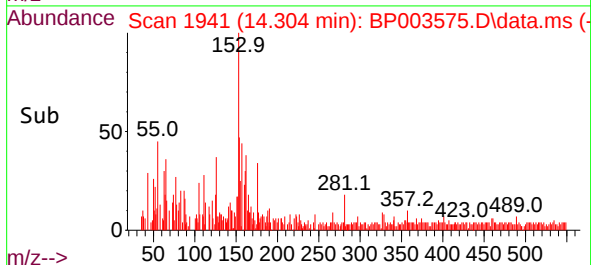
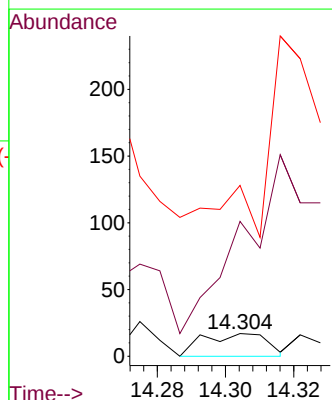
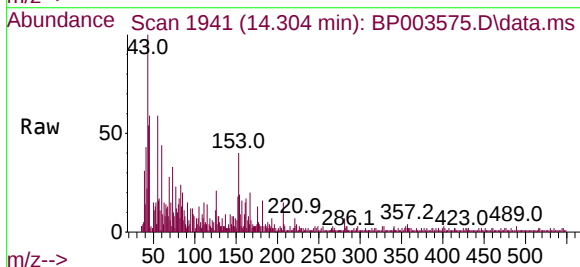
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

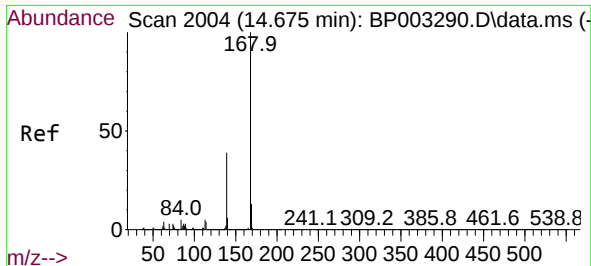
Tgt Ion:154 Resp: 32298
Ion Ratio Lower Upper
154 100
153 120.5 91.0 136.6
152 55.2 43.0 64.6



#54
2,4-Dinitrophenol
Concen: 7.27 ng
RT: 14.304 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:184 Resp: 22
Ion Ratio Lower Upper
184 100
63 594.1 32.3 48.5#
154 752.9 49.1 73.7#

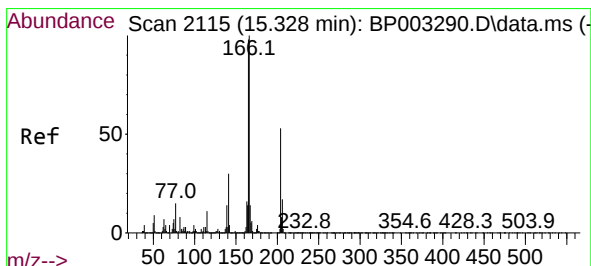
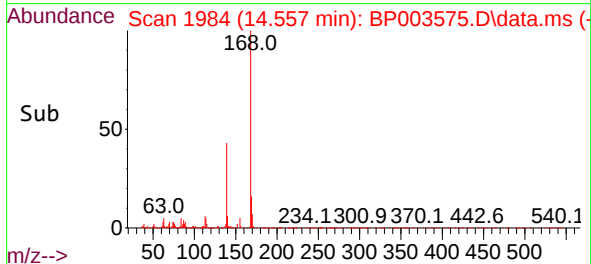
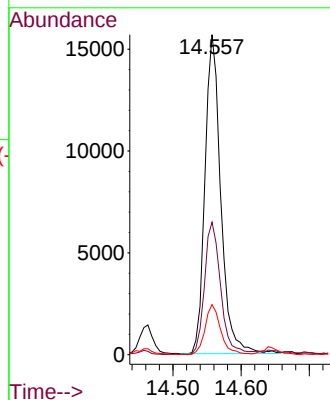
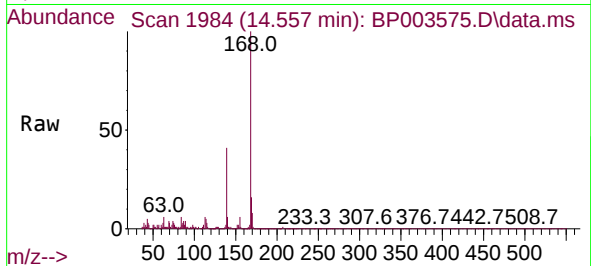




#55
Dibenzofuran
Concen: 2.39 ng
RT: 14.557 min Scan# 1984
Delta R.T. 0.012 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

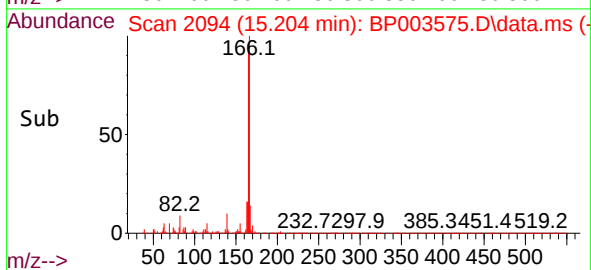
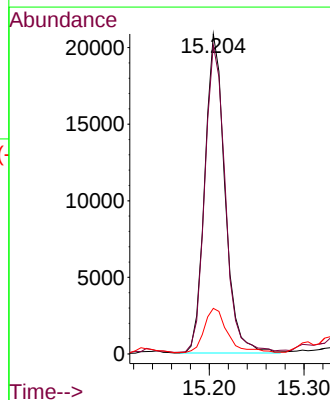
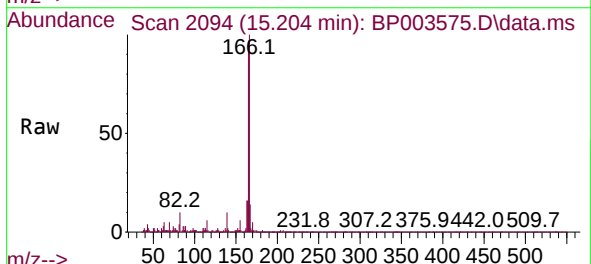
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

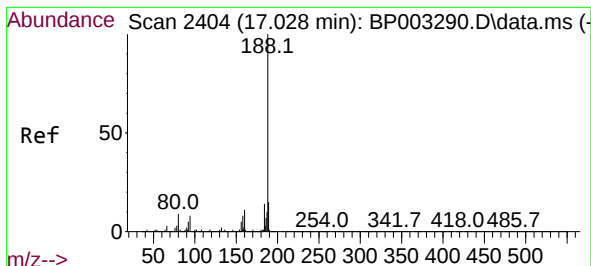
Tgt Ion:168 Resp: 25329
Ion Ratio Lower Upper
168 100
139 41.4 29.1 43.7
169 15.6 10.4 15.6#



#58
Fluorene
Concen: 3.68 ng
RT: 15.204 min Scan# 2094
Delta R.T. 0.006 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:166 Resp: 30816
Ion Ratio Lower Upper
166 100
165 96.6 77.8 116.8
167 14.3 11.0 16.4

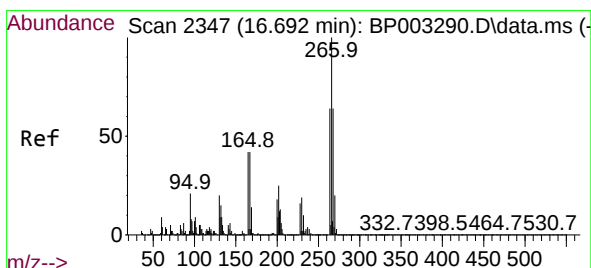
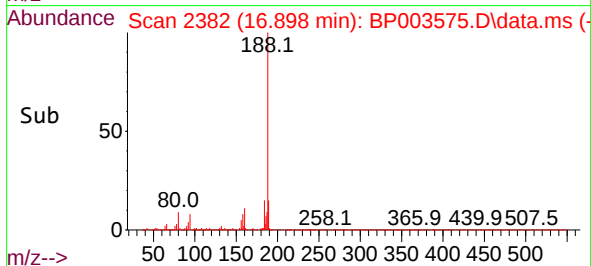
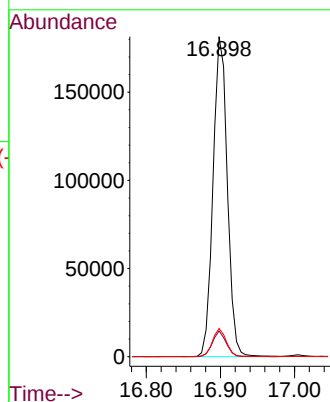
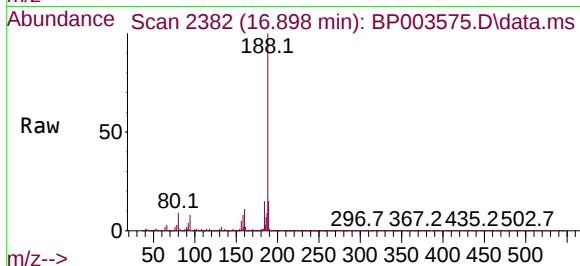




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.898 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

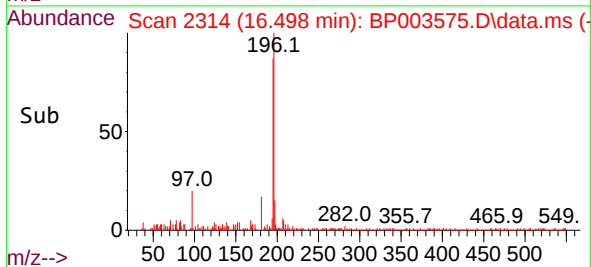
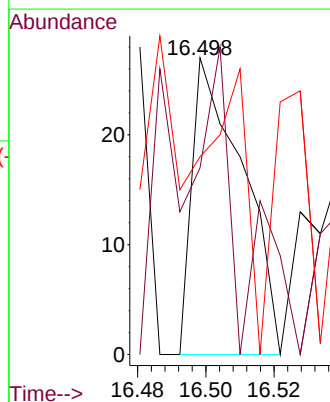
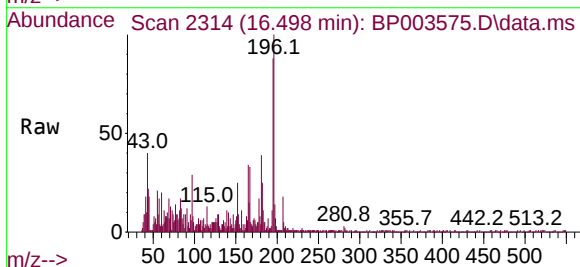
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

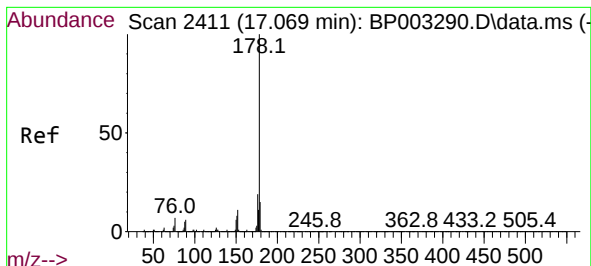
Tgt Ion:188 Resp: 242700
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.8 6.2 9.2



#70
Pentachlorophenol
Concen: 6.79 ng
RT: 16.498 min Scan# 2314
Delta R.T. -0.082 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:266 Resp: 28
Ion Ratio Lower Upper
266 100
268 63.0 51.1 76.7
264 66.7 50.6 76.0

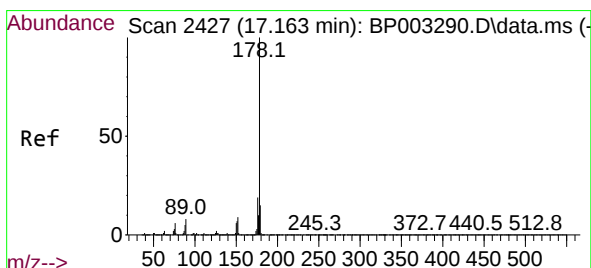
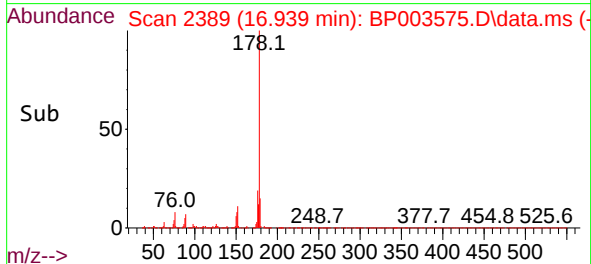
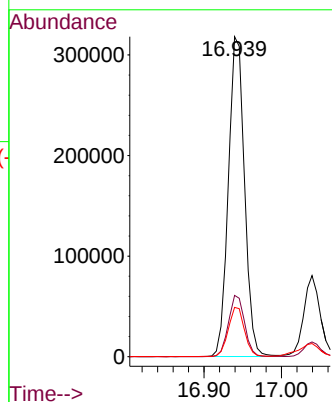
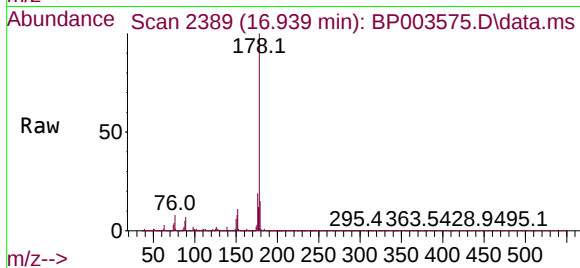




#71
Phenanthrene
Concen: 34.96 ng
RT: 16.939 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

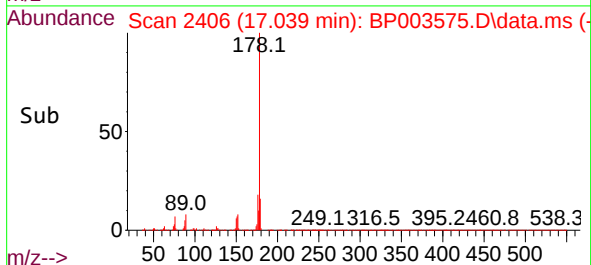
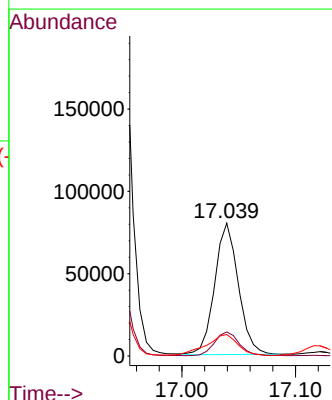
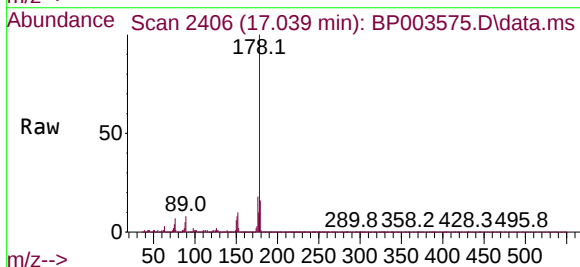
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

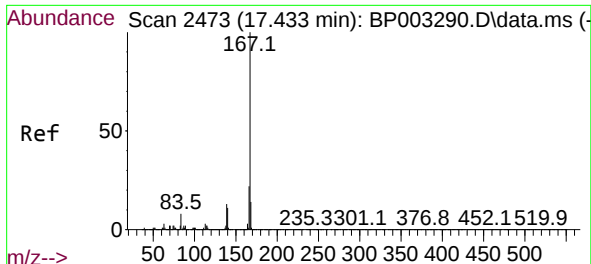
Tgt Ion:178 Resp: 461608
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 8.91 ng
RT: 17.039 min Scan# 2406
Delta R.T. 0.006 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:178 Resp: 115899
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 16.1 12.5 18.7

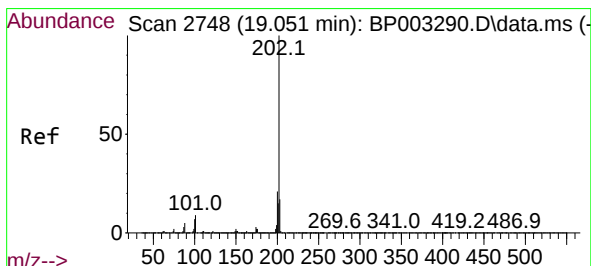
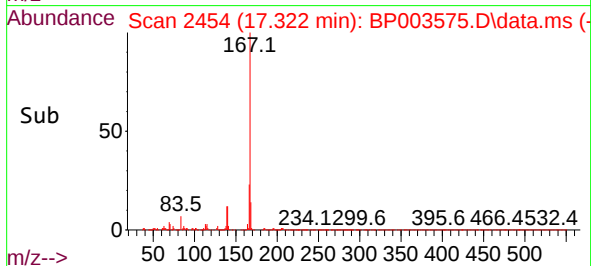
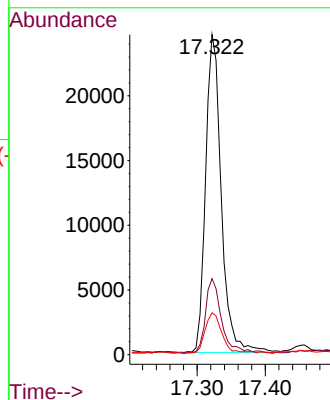
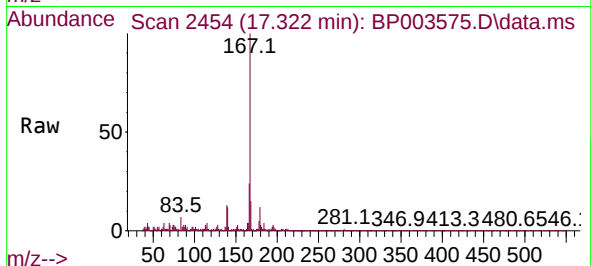




#73
 Carbazole
 Concen: 3.18 ng
 RT: 17.322 min Scan# 2454
 Delta R.T. 0.006 min
 Lab File: BP003575.D
 Acq: 08 Oct 2020 17:15

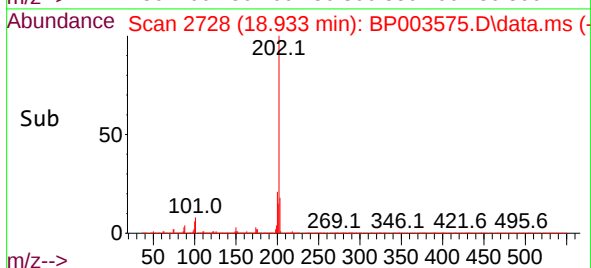
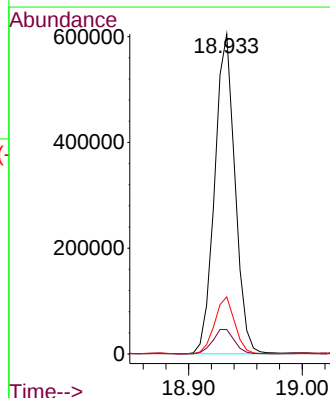
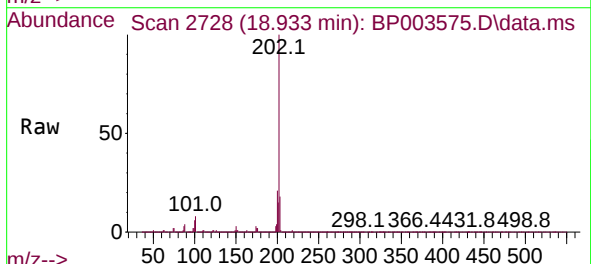
Instrument :
 BNA_P
 ClientSampleId :
 PAV-B10-100720-0-10

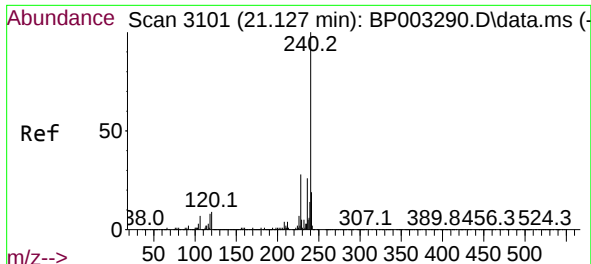
Tgt Ion:	167	Resp:	39353
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.6	26.4
139	13.1	10.2	15.4



#75
 Fluoranthene
 Concen: 45.30 ng
 RT: 18.933 min Scan# 2728
 Delta R.T. 0.000 min
 Lab File: BP003575.D
 Acq: 08 Oct 2020 17:15

Tgt Ion:	202	Resp:	752102
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	29.4
203	17.9	0.0	37.8

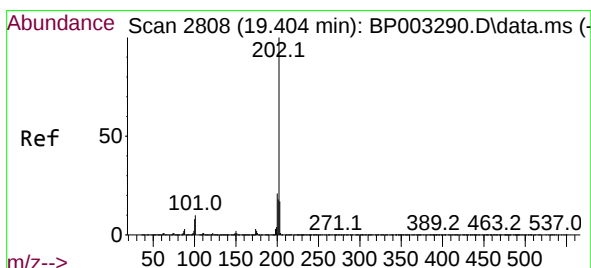
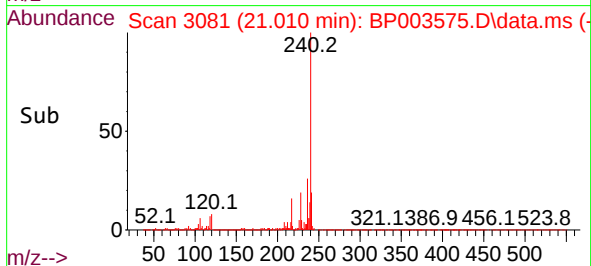
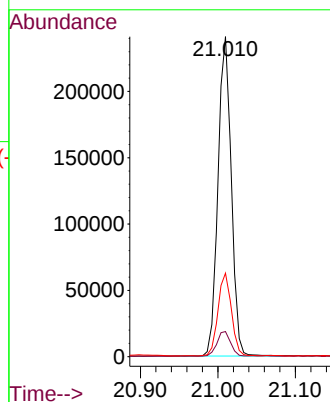
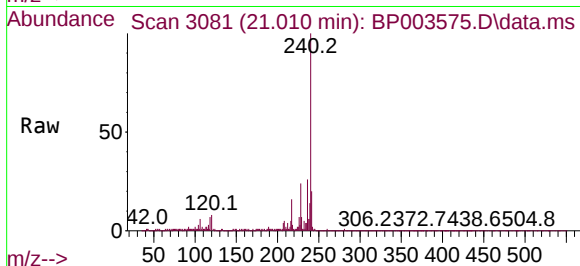




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.010 min Scan# 3081
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

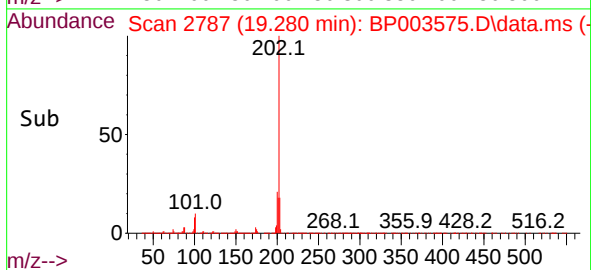
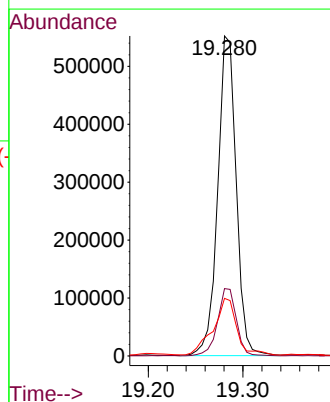
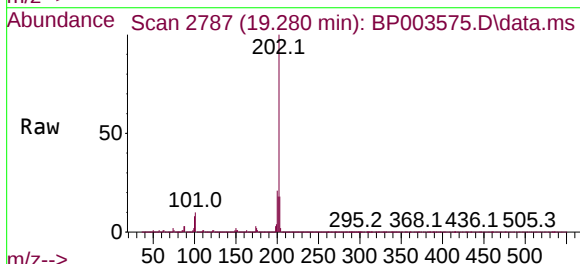
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

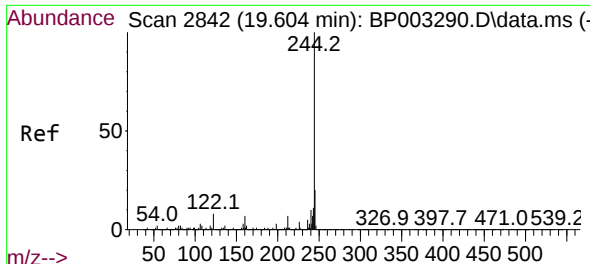
Tgt Ion:240 Resp: 285986
Ion Ratio Lower Upper
240 100
120 7.9 7.8 11.6
236 26.1 20.8 31.2



#78
Pyrene
Concen: 42.13 ng
RT: 19.280 min Scan# 2787
Delta R.T. -0.006 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:202 Resp: 751394
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 18.0 14.2 21.2

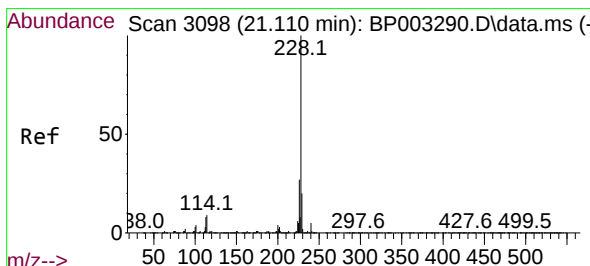
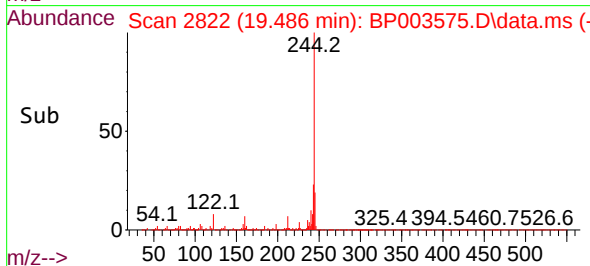
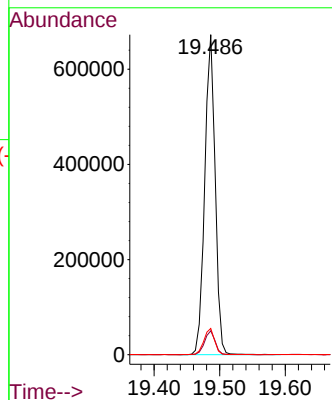
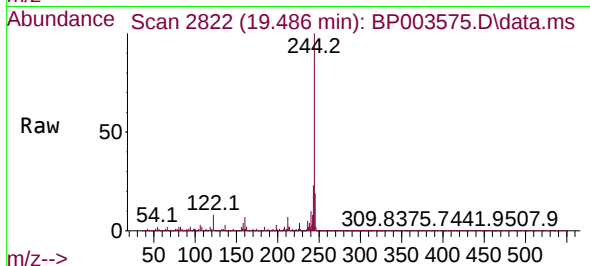




#79
 Terphenyl-d14
 Concen: 54.25 ng
 RT: 19.486 min Scan# 2822
 Delta R.T. 0.000 min
 Lab File: BP003575.D
 Acq: 08 Oct 2020 17:15

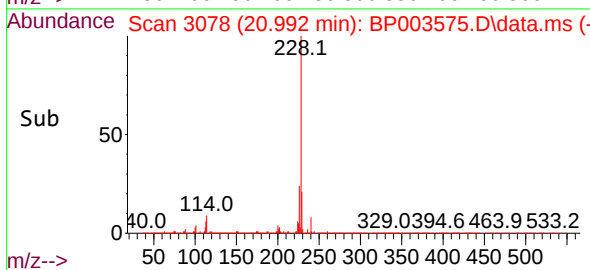
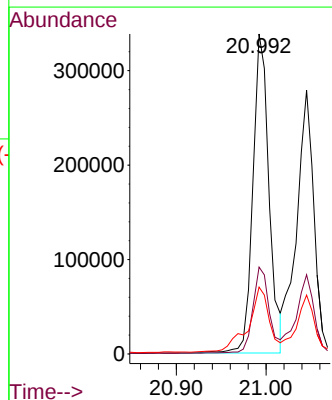
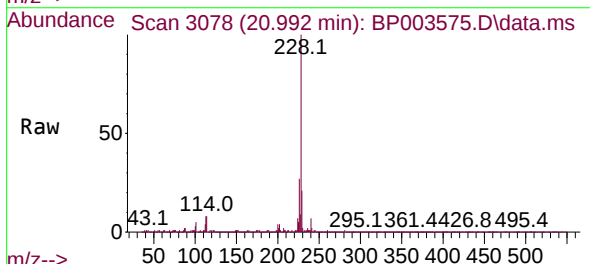
Instrument :
 BNA_P
 ClientSampleId :
 PAV-B10-100720-0-10

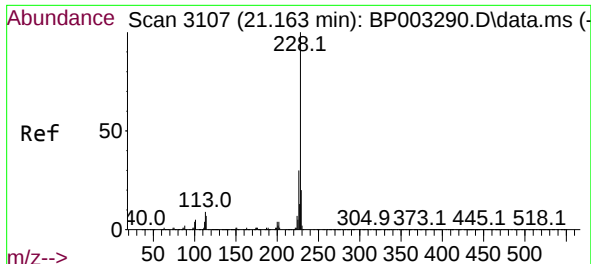
Tgt Ion:	244	Resp:	744601
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.8	8.6
122	8.2	7.8	11.8



#81
 Benzo(a)anthracene
 Concen: 22.77 ng
 RT: 20.992 min Scan# 3078
 Delta R.T. -0.006 min
 Lab File: BP003575.D
 Acq: 08 Oct 2020 17:15

Tgt Ion:	228	Resp:	420953
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.1	33.1
229	20.9	15.9	23.9

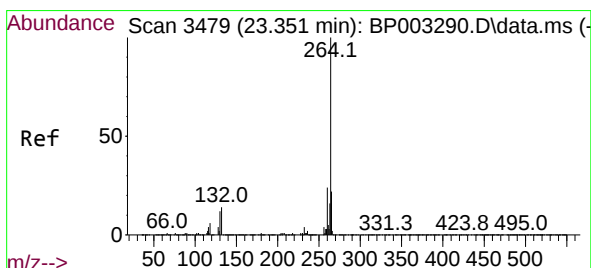
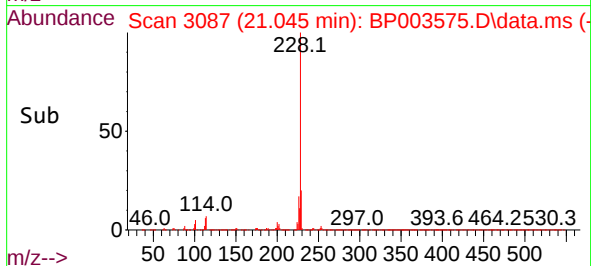
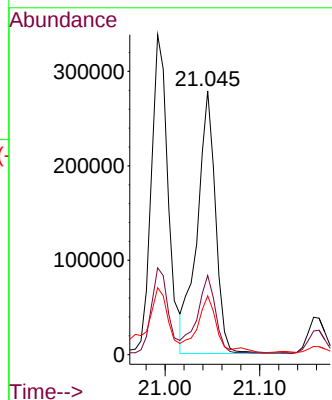
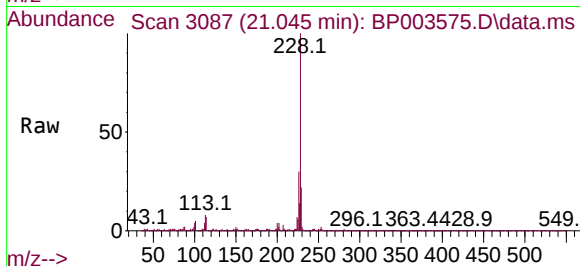




#83
Chrysene
Concen: 21.11 ng
RT: 21.045 min Scan# 3087
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

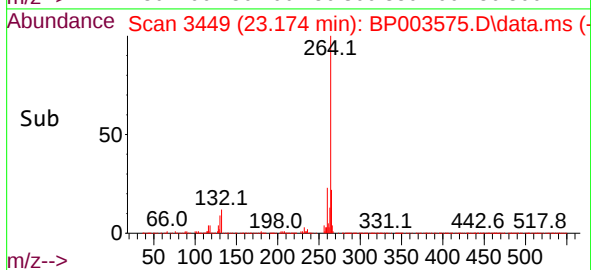
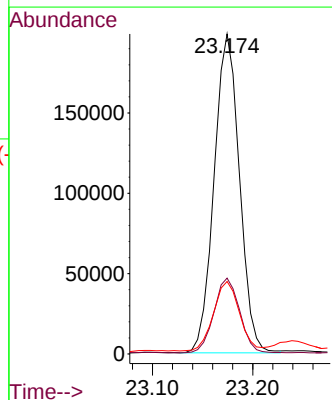
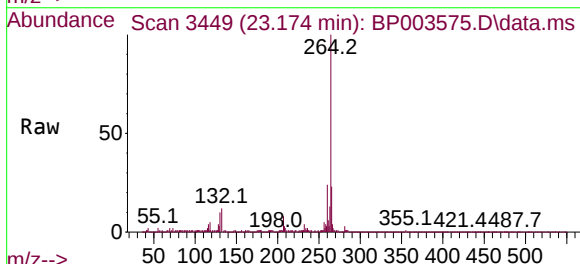
Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

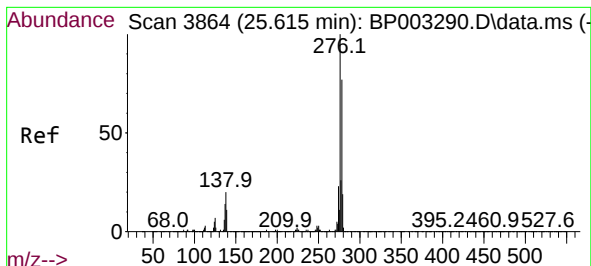
Tgt Ion:228	Resp: 374964
Ion Ratio	Lower Upper
228 100	
226 30.0	24.4 36.6
229 22.3	15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.174 min Scan# 3449
Delta R.T. 0.000 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:264	Resp: 348633
Ion Ratio	Lower Upper
264 100	
260 23.7	18.8 28.2
265 22.7	17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.74 ng

RT: 25.368 min Scan# 3822

Delta R.T. 0.000 min

Lab File: BP003575.D

Acq: 08 Oct 2020 17:15

Tgt Ion:276 Resp: 363005

Ion Ratio Lower Upper

276 100

138 15.0 18.7 28.1#

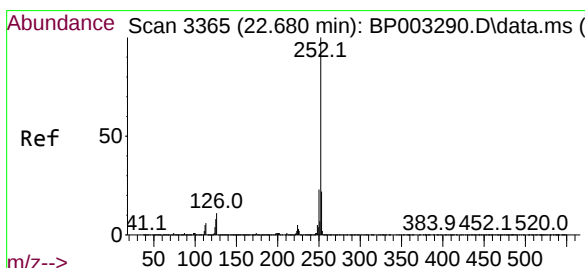
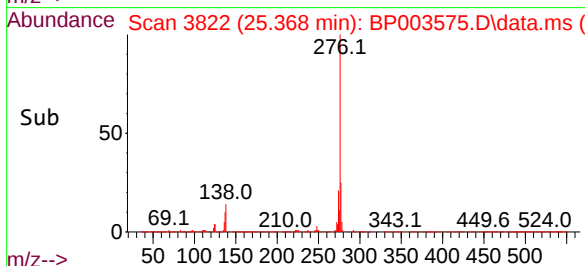
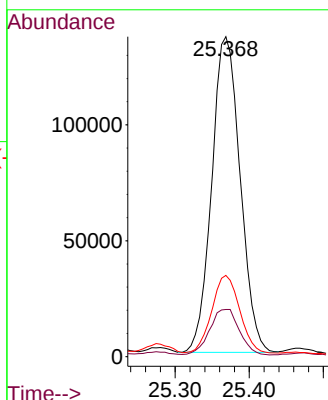
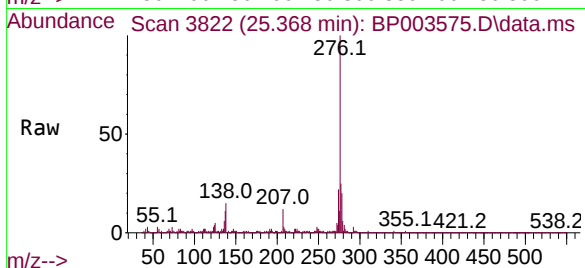
277 24.6 20.4 30.6

Instrument :

BNA_P

ClientSampleId :

PAV-B10-100720-0-10



#88

Benzo(b)fluoranthene

Concen: 27.48 ng

RT: 22.533 min Scan# 3340

Delta R.T. 0.006 min

Lab File: BP003575.D

Acq: 08 Oct 2020 17:15

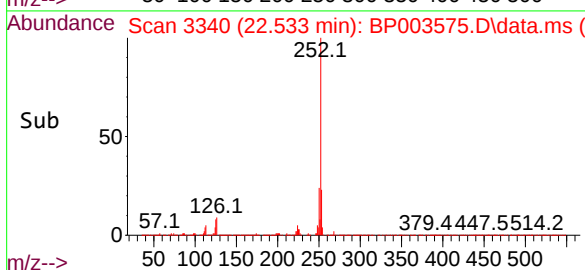
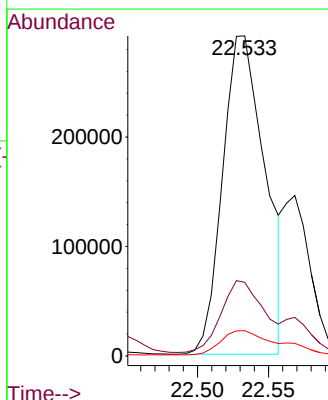
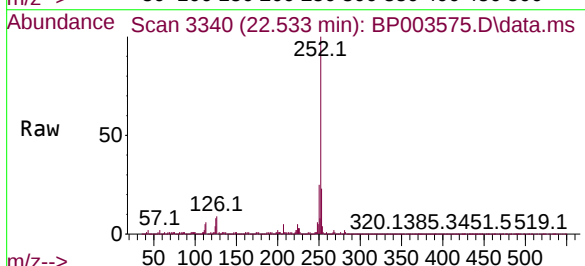
Tgt Ion:252 Resp: 604970

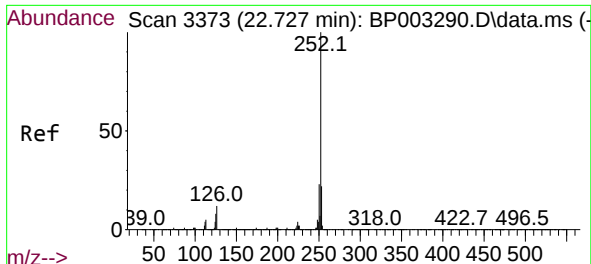
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 7.9 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 28.67 ng

RT: 22.533 min Scan# 3340

Delta R.T. -0.035 min

Lab File: BP003575.D

Acq: 08 Oct 2020 17:15

Instrument :

BNA_P

ClientSampleId :

PAV-B10-100720-0-10

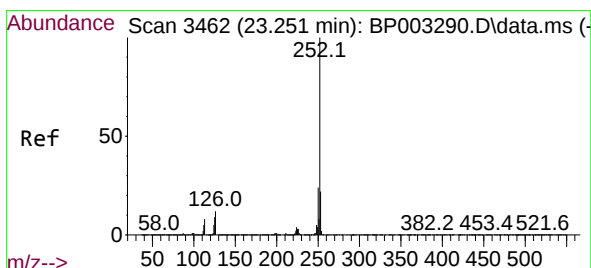
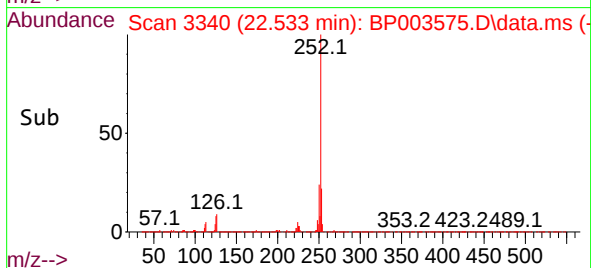
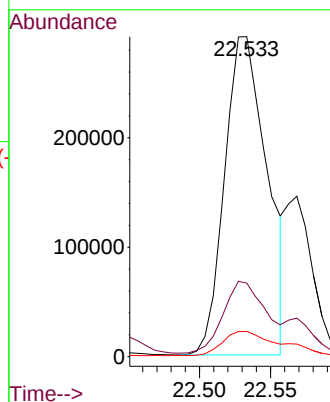
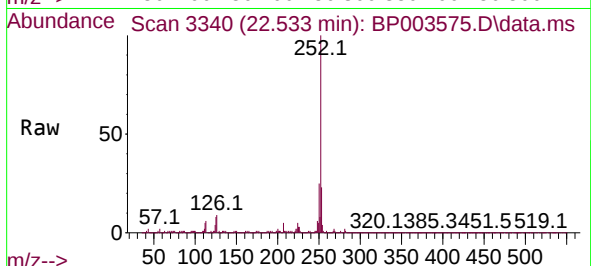
Tgt Ion:252 Resp: 604970

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 7.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 24.58 ng

RT: 23.080 min Scan# 3433

Delta R.T. 0.000 min

Lab File: BP003575.D

Acq: 08 Oct 2020 17:15

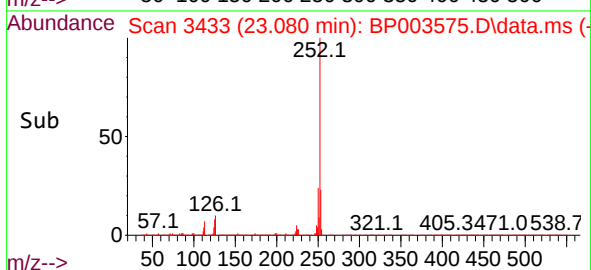
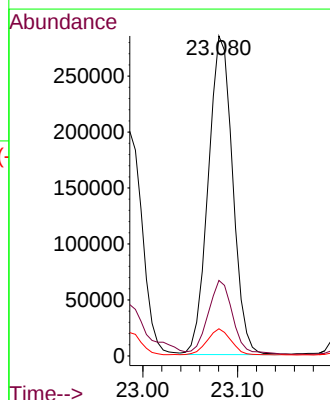
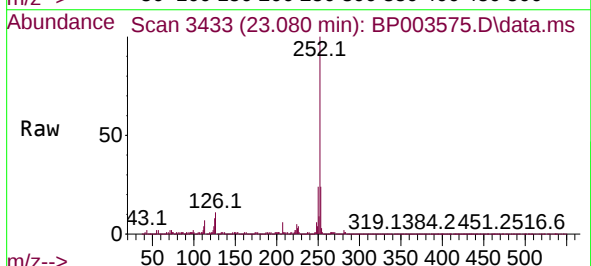
Tgt Ion:252 Resp: 510194

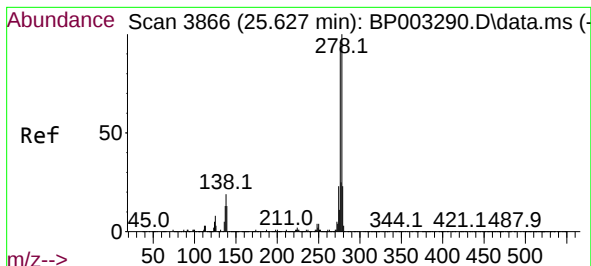
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 8.5 8.2 12.4

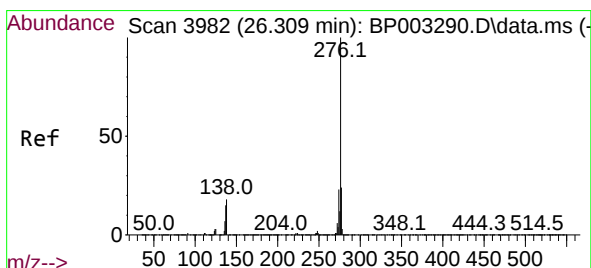
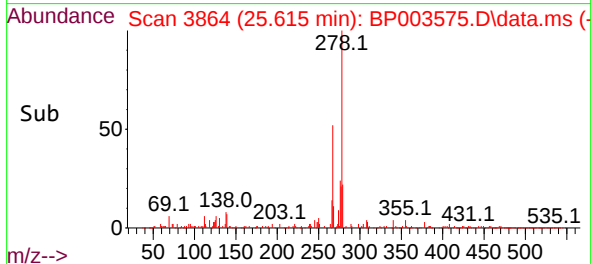
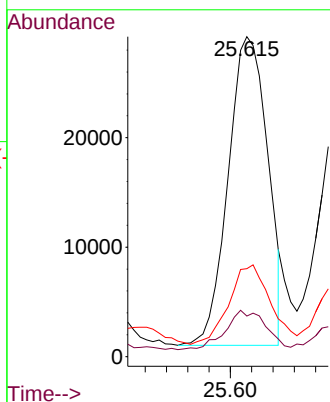
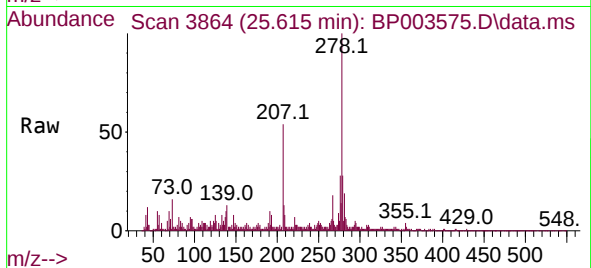




#91
Dibenzo(a,h)anthracene
Concen: 3.33 ng
RT: 25.615 min Scan# 3864
Delta R.T. 0.247 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Instrument :
BNA_P
ClientSampleId :
PAV-B10-100720-0-10

Tgt Ion:278 Resp: 72597
Ion Ratio Lower Upper
278 100
139 12.7 12.4 18.6
279 27.5 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 18.06 ng
RT: 26.039 min Scan# 3936
Delta R.T. 0.006 min
Lab File: BP003575.D
Acq: 08 Oct 2020 17:15

Tgt Ion:276 Resp: 393058
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.6
138 15.2 16.6 24.8#

