

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003277.D
 Acq On : 14 Sep 2020 20:05
 Operator : CG/JU
 Sample : L3993-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PAV-091120-DP

Quant Time: Sep 15 01:36:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	193873	20.00	ng	-0.01
21) Naphthalene-d8	10.42	136	779433	20.00	ng	-0.02
39) Acenaphthene-d10	14.29	164	469616	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	972462	20.00	ng	0.00
76) Chrysene-d12	21.13	240	810299	20.00	ng	-0.01
86) Perylene-d12	23.36	264	865321	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	875132	79.81	ng	0.00
7) Phenol-d6	6.83	99	1053871	76.67	ng	0.00
23) Nitrobenzene-d5	8.79	82	656769	60.75	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	558628	87.95	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	1779222	55.48	ng	-0.01
79) Terphenyl-d14	19.62	244	2271538	61.69	ng	0.00

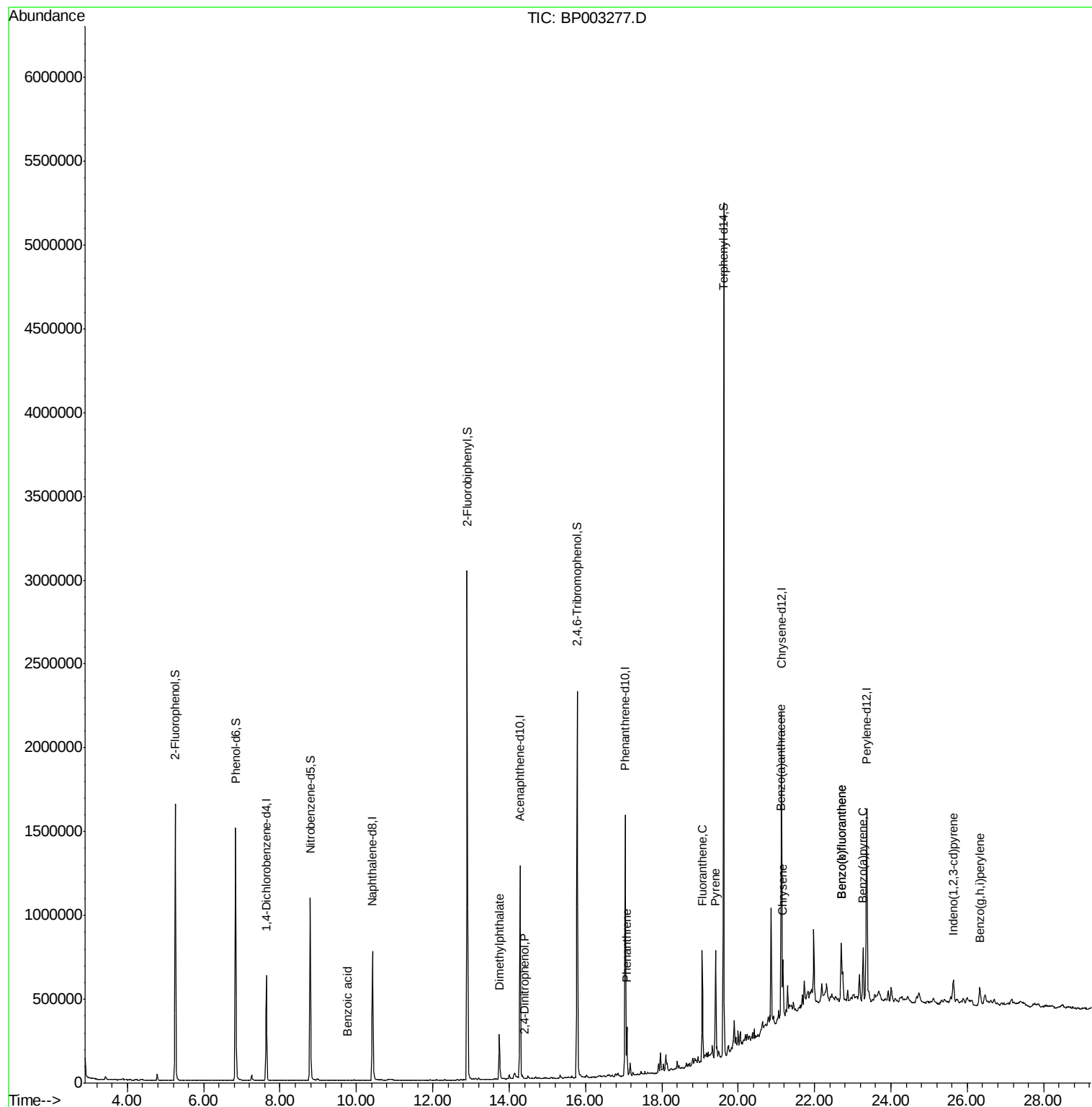
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.76	122	28	9.000	ng	# 5
50) Dimethylphthalate	13.75	163	222310	6.208	ng	99
54) 2,4-Dinitrophenol	14.39	184	8	7.757	ng	# 1
71) Phenanthrene	17.08	178	179003	3.397	ng	99
75) Fluoranthene	19.06	202	405261	6.654	ng	99
78) Pyrene	19.41	202	380909	7.243	ng	99
81) Benzo(a)anthracene	21.12	228	215055	4.237	ng	99
83) Chrysene	21.17	228	192981	3.971	ng	97
87) Indeno(1,2,3-cd)pyrene	25.63	276	133622	2.071	ng	96
88) Benzo(b)fluoranthene	22.70	252	343373	6.384	ng	# 96
89) Benzo(k)fluoranthene	22.70	252	343373	6.682	ng	# 97
90) Benzo(a)pyrene	23.27	252	201783	4.044	ng	95
92) Benzo(a,h,i)perylene	26.33	276	128349	2.413	ng	97

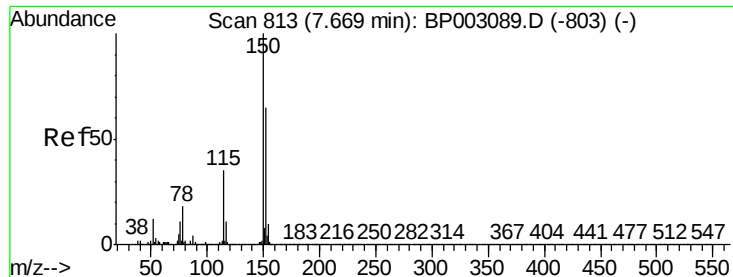
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.64 min Scan# 808

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

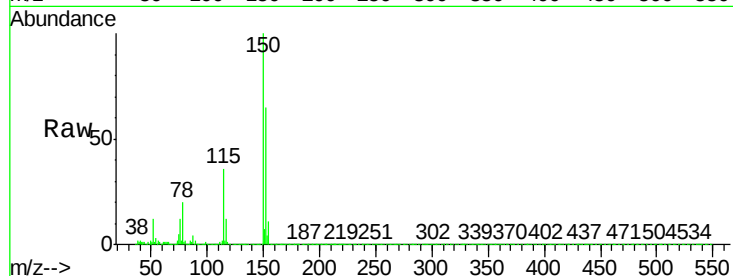
Tot Ion:152 Resp: 193873

Ion Ratio Lower Upper

152 100

150 153.2 123.8 185.6

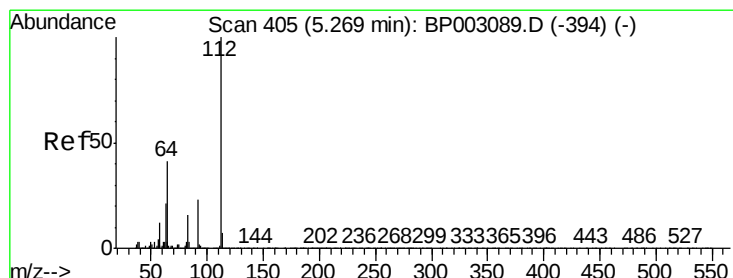
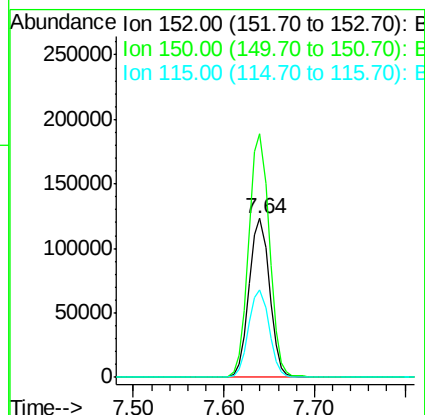
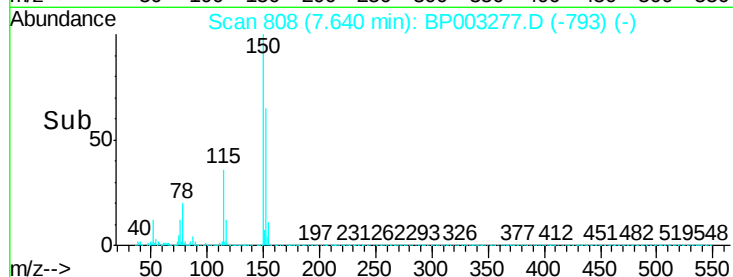
115 54.8 43.8 65.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 79.808 ng

RT: 5.26 min Scan# 403

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

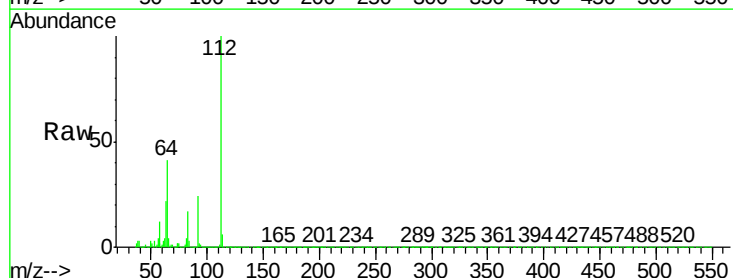
Tgt Ion:112 Resp: 875132

Ion Ratio Lower Upper

112 100

64 40.9 32.8 49.2

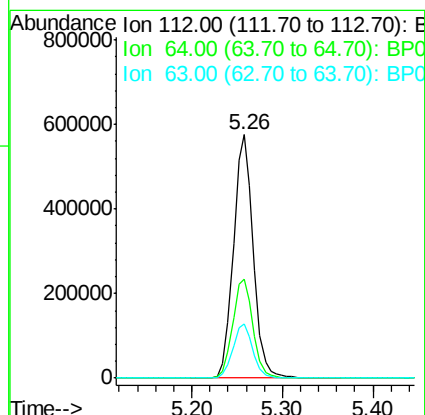
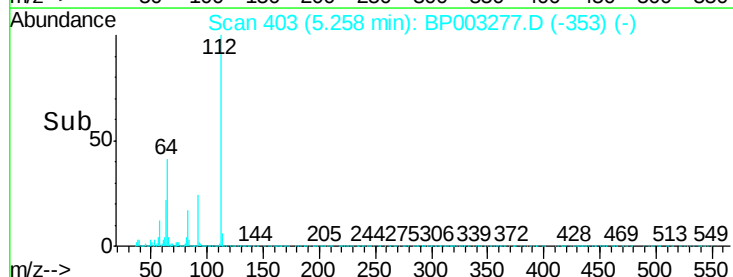
63 22.1 17.0 25.4

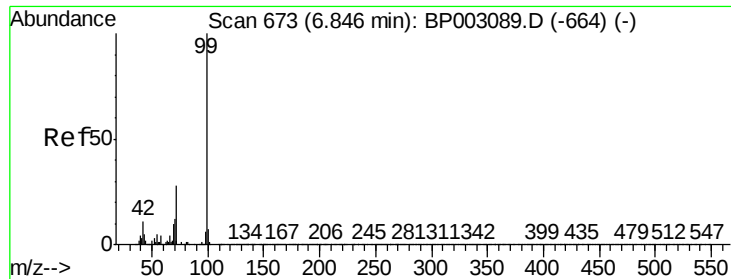


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 76.667 ng

RT: 6.83 min Scan# 671

Delta R.T. -0.00 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

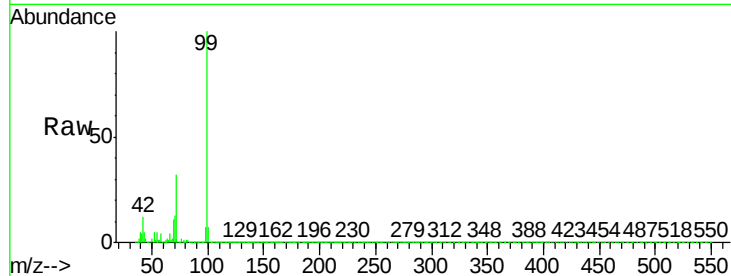
Tot Ion: 99 Resp: 1053871

Ion	Ratio	Lower	Upper
99	100		
42	11.6	8.6	13.0
71	31.9	23.4	35.2

99 100

42 11.6 8.6 13.0

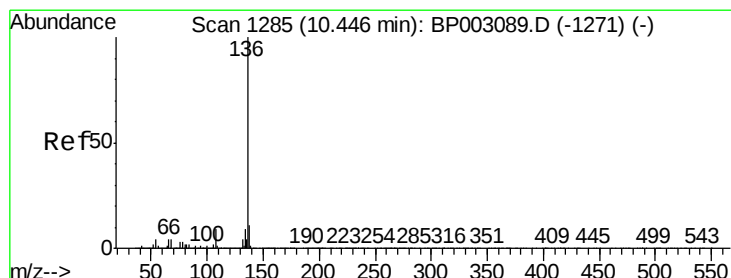
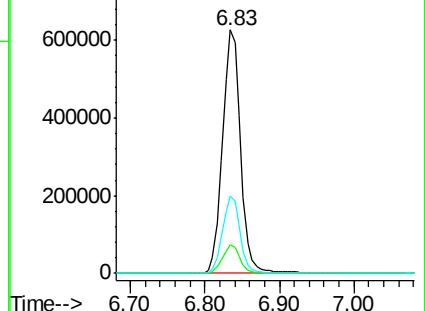
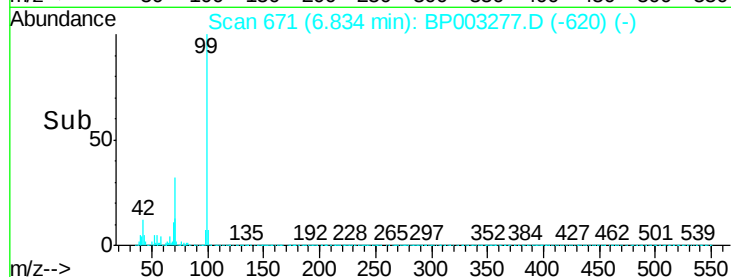
71 31.9 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Tgt Ion: 136 Resp: 779433

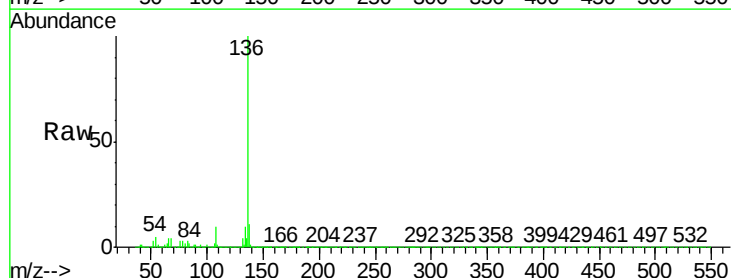
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	4.9	3.6	5.4
68	4.4	3.3	4.9

136 100

137 11.0 8.6 13.0

54 4.9 3.6 5.4

68 4.4 3.3 4.9

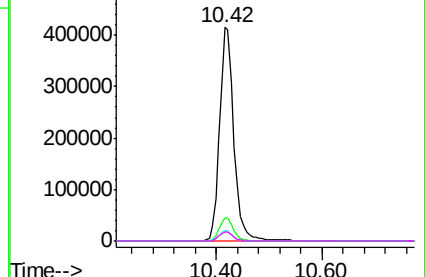
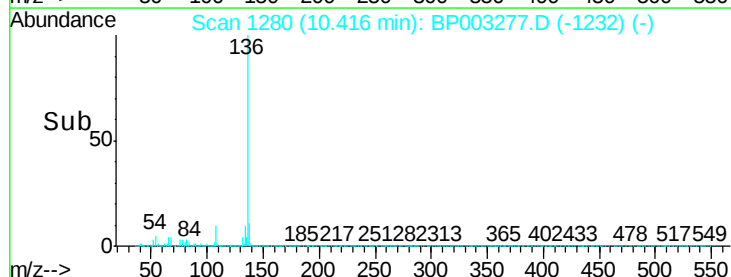


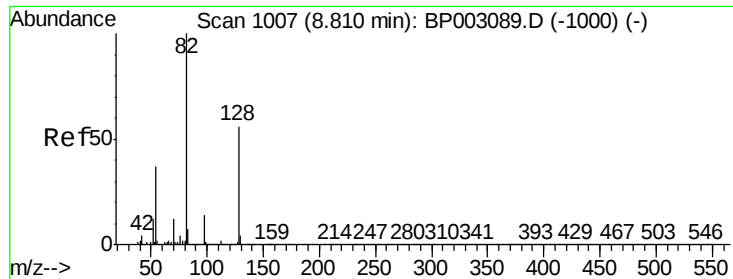
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

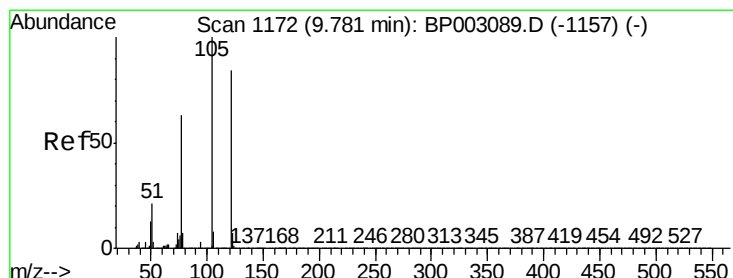
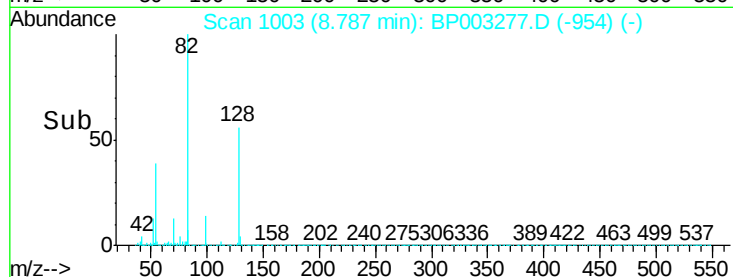
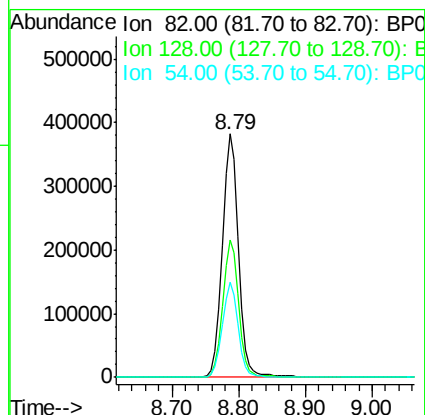
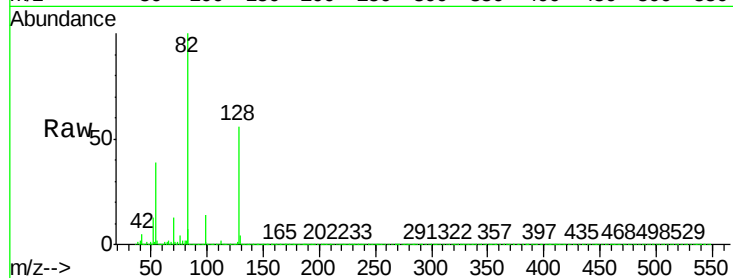




#23
 Nitrobenzene-d5
 Concen: 60.745 ng
 RT: 8.79 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BP003277.D
 Acq: 14 Sep 2020 20:05

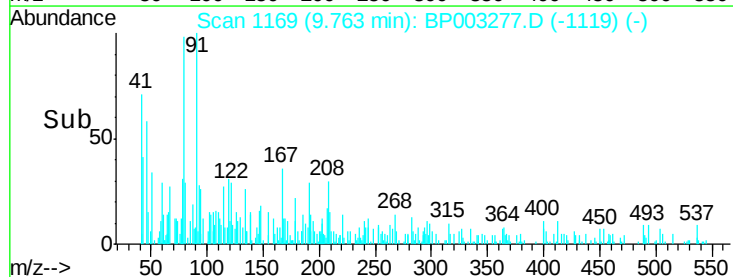
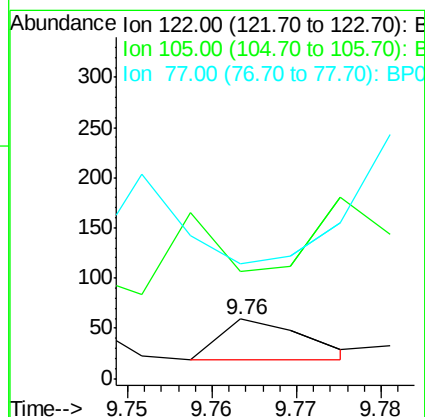
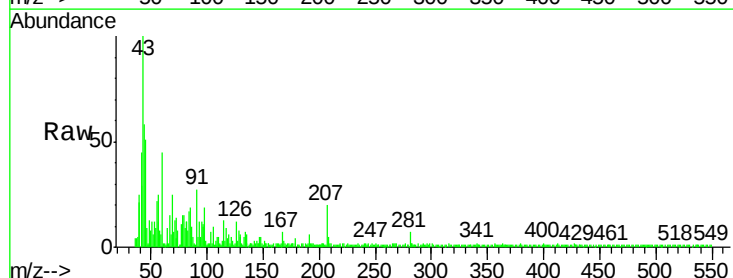
Instrument :
 BNA_P
 ClientSampleId :
 PAV-091120-DP

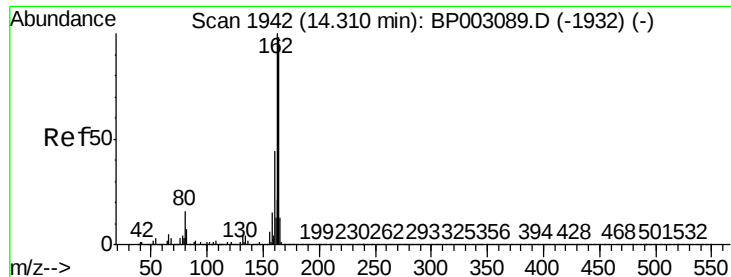
Tot Ion	82	Resp	656769
Ion Ratio	100	Lower	Upper
128	56.2	45.6	68.4
54	39.0	30.1	45.1



#32
 Benzoic acid
 Concen: 9.000 ng
 RT: 9.76 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BP003277.D
 Acq: 14 Sep 2020 20:05

Tgt Ion	122	Resp	28
Ion Ratio	100	Lower	Upper
105	179.7	94.1	134.1#
77	193.2	50.1	90.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

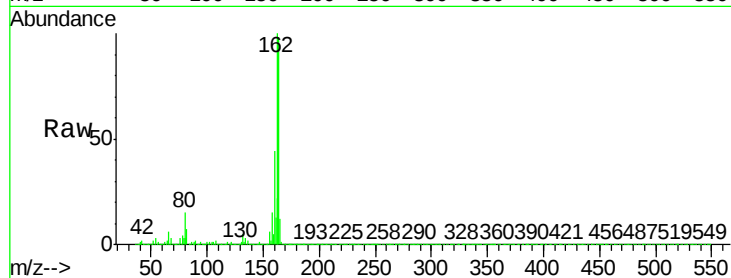
Tot Ion:164 Resp: 469616

Ion Ratio Lower Upper

164 100

162 102.3 79.4 119.2

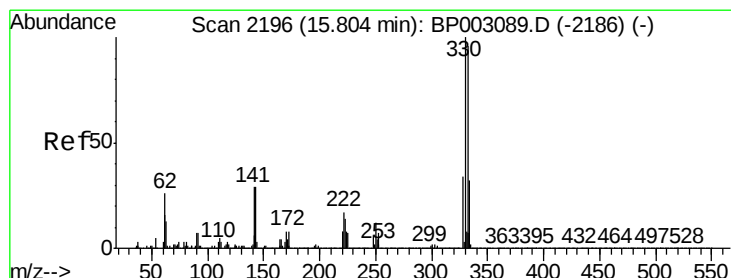
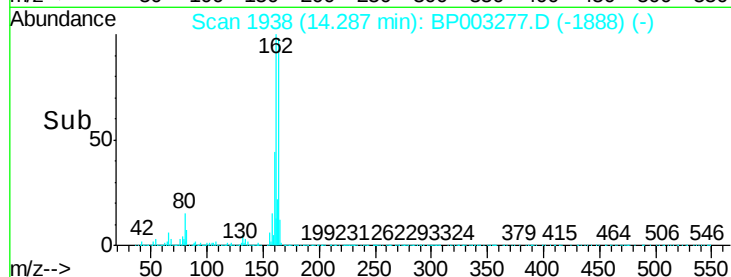
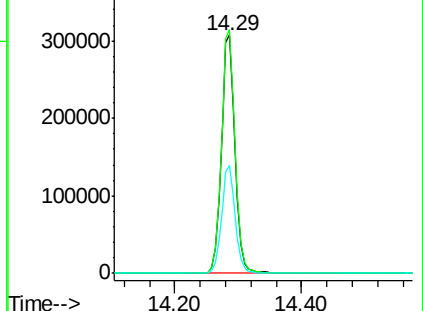
160 45.4 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 87.953 ng

RT: 15.78 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

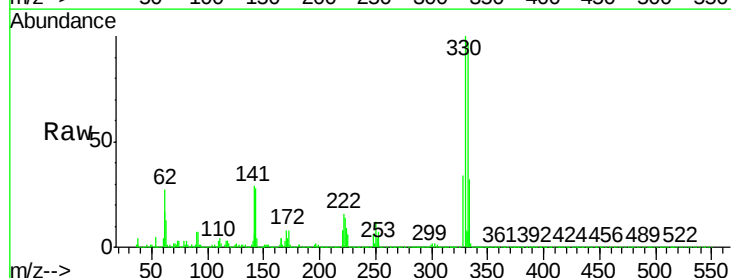
Tgt Ion:330 Resp: 558628

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

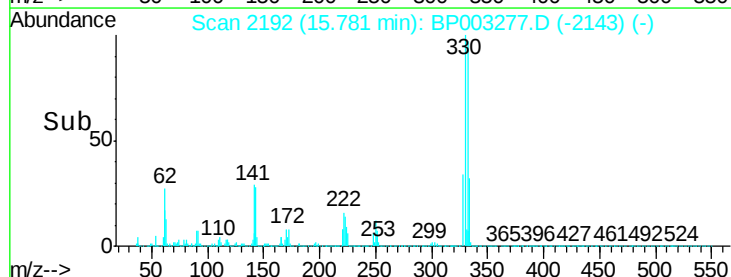
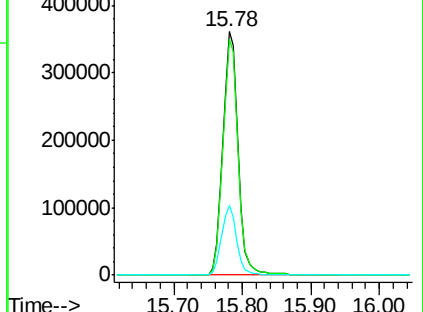
141 28.2 23.4 35.2

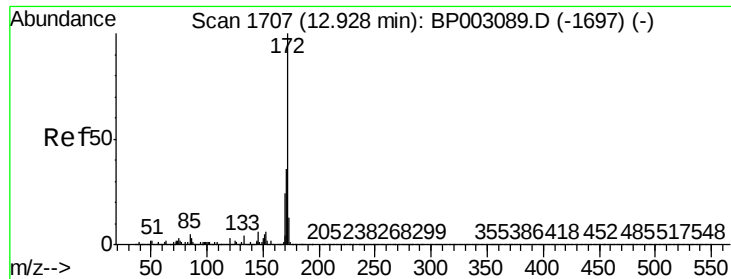


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

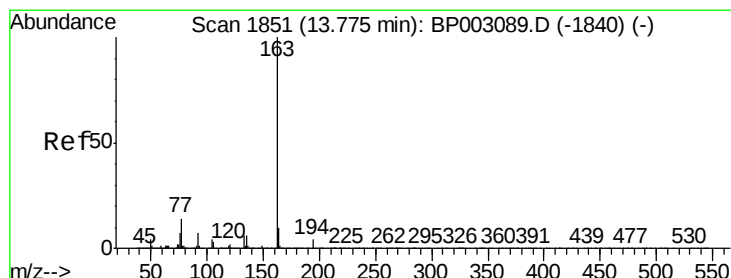
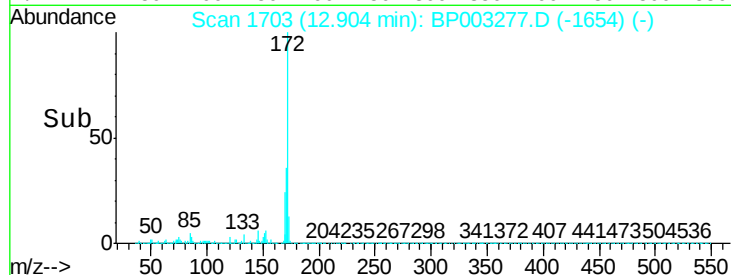
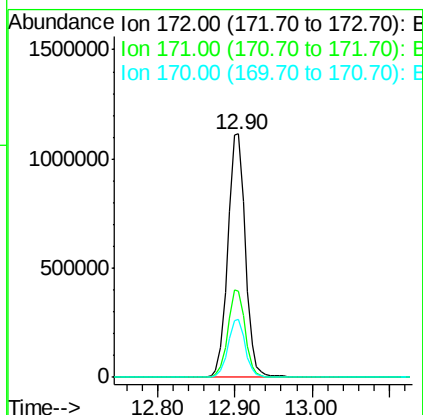
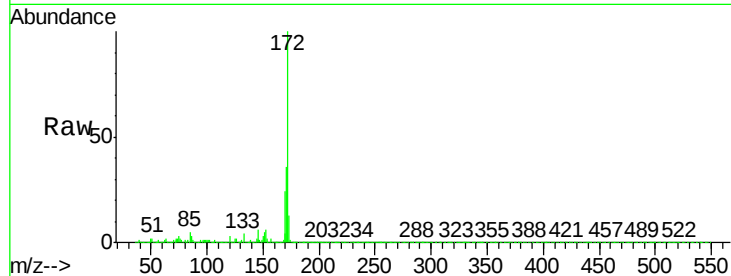




#45
2-Fluorobiphenyl
Concen: 55.483 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

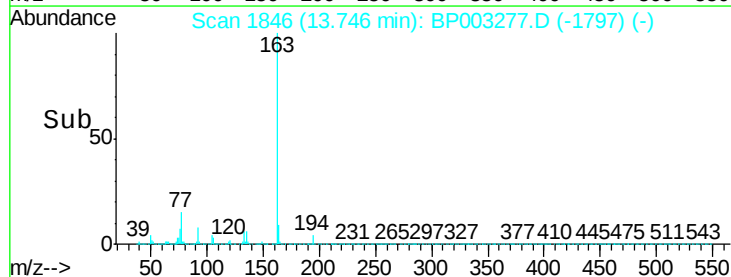
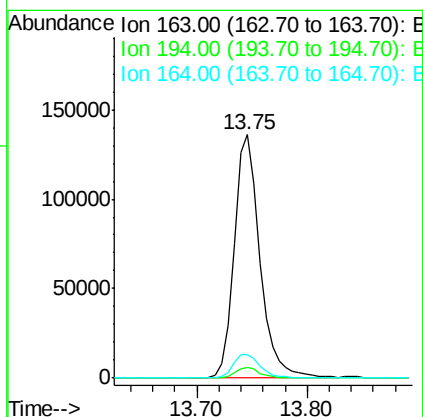
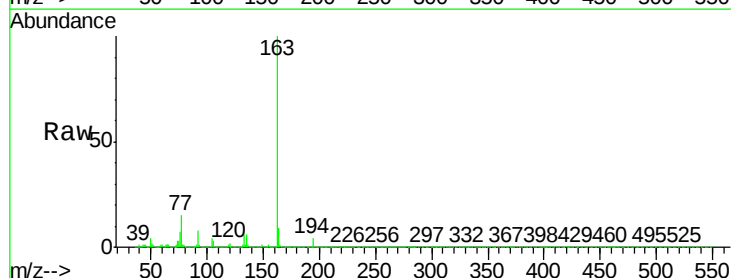
Instrument :
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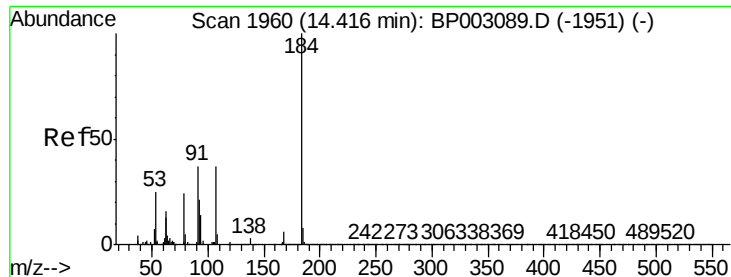
Tot Ion:172 Resp: 1779222
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.7 19.2 28.8



#50
Dimethylphthalate
Concen: 6.208 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion:163 Resp: 222310
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.5 8.2 12.2

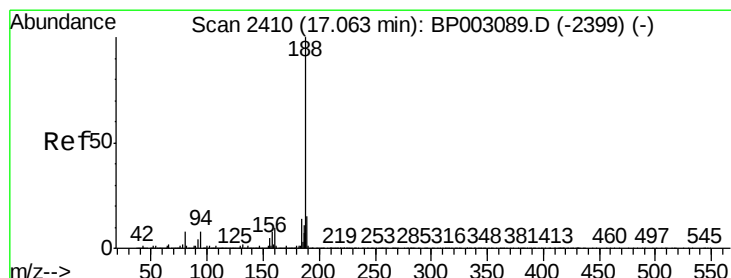
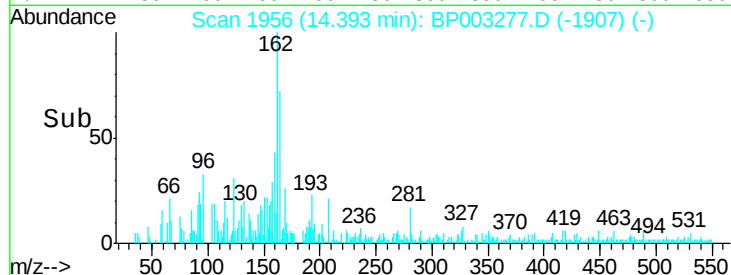
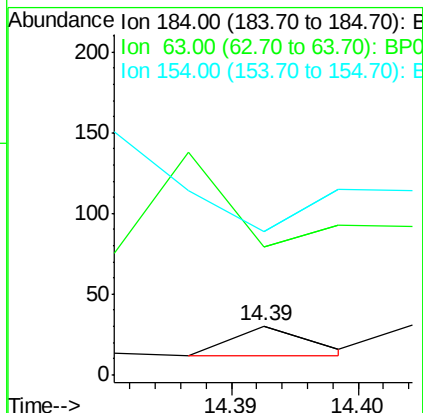
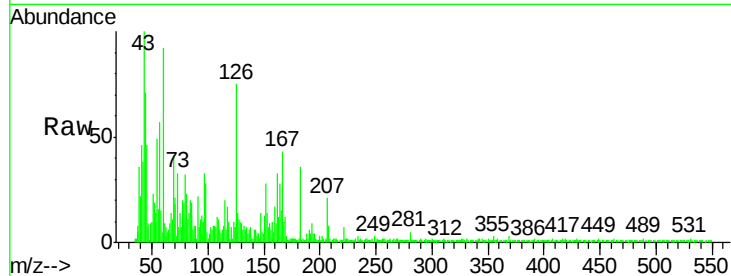




#54
2,4-Dinitrophenol
Concen: 7.757 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

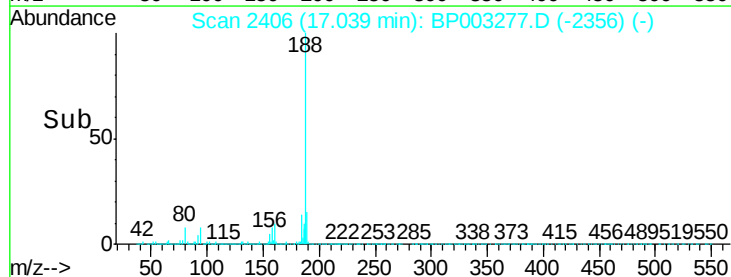
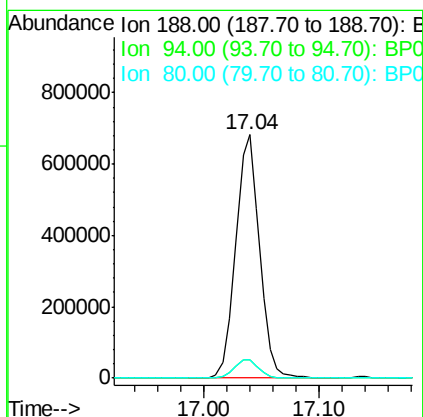
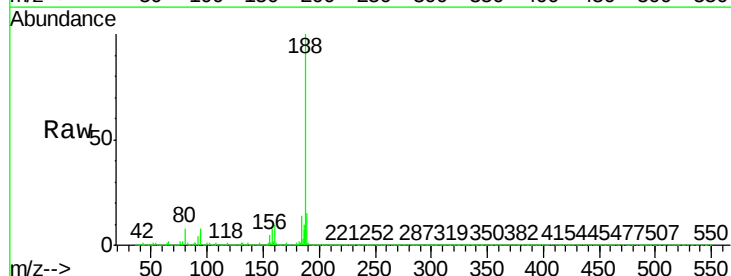
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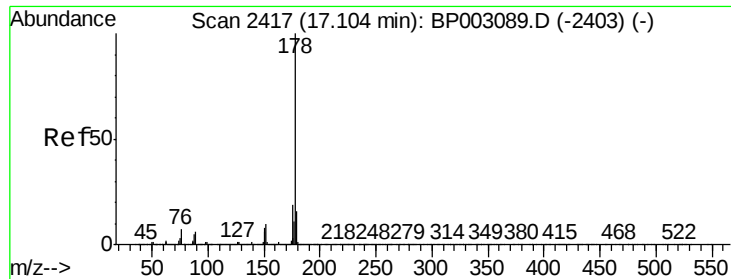
Tot Ion:184 Resp: 8
Ion Ratio Lower Upper
184 100
63 263.3 32.3 48.5#
154 296.7 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion:188 Resp: 972462
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 7.6 6.2 9.2

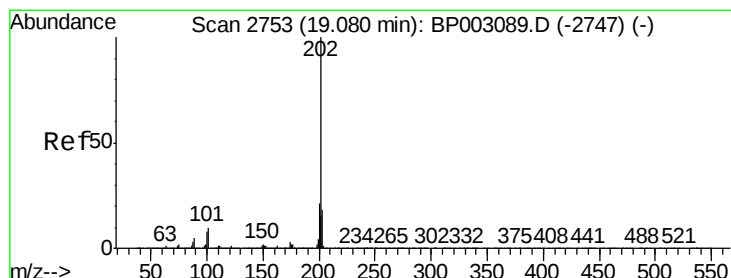
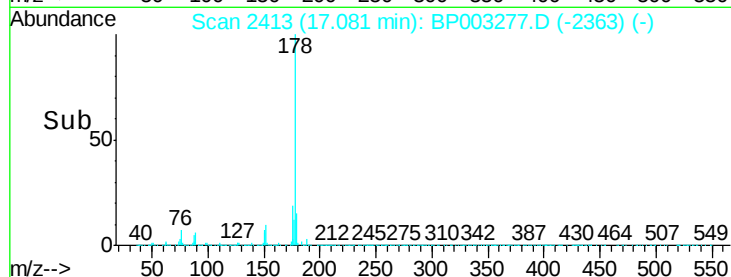
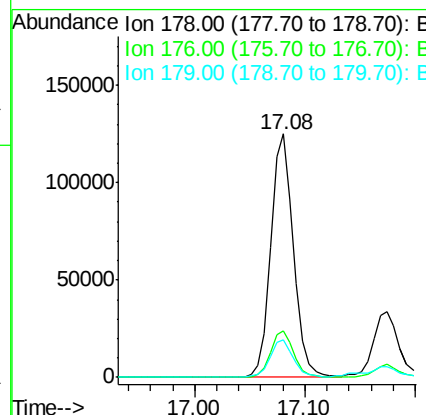
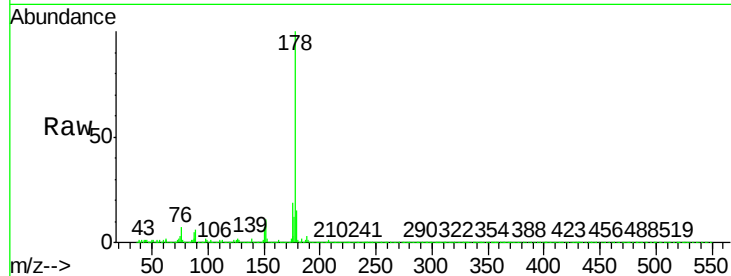




#71
Phenanthrene
Concen: 3.397 ng
RT: 17.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

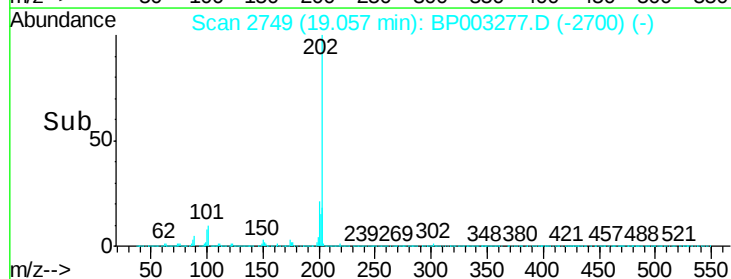
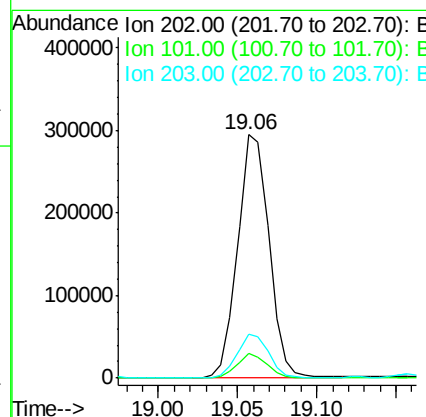
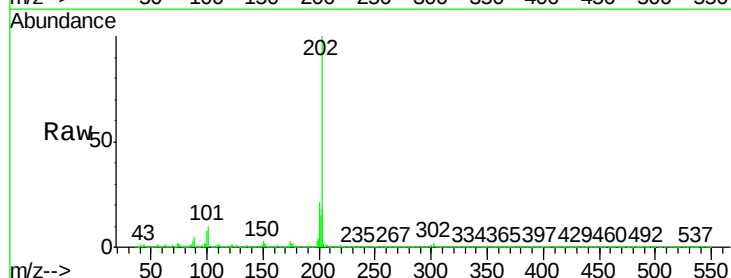
Instrument :
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ClientSampleId :
PAV-091120-DP

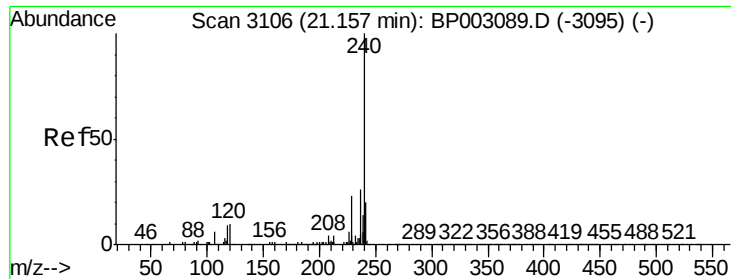
Tot Ion:178 Resp: 179003
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.5 18.7



#75
Fluoranthene
Concen: 6.654 ng
RT: 19.06 min Scan# 2749
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion:202 Resp: 405261
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.4
203 17.9 0.0 37.8

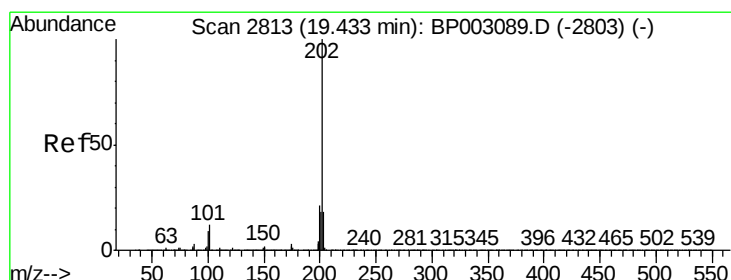
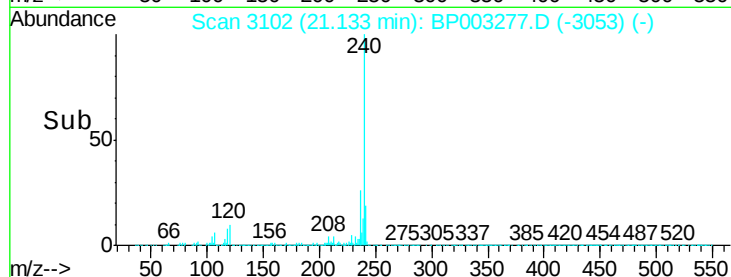
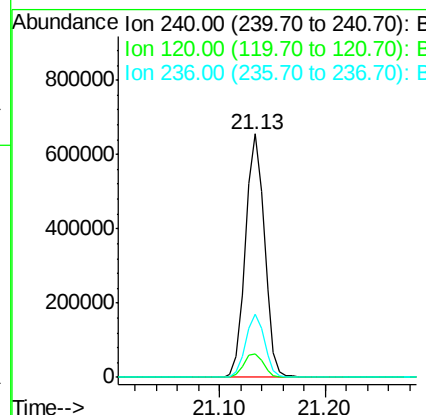
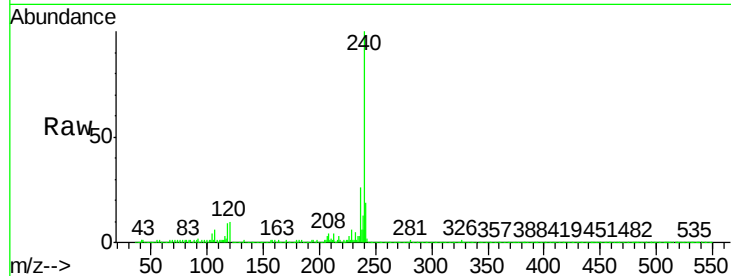




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

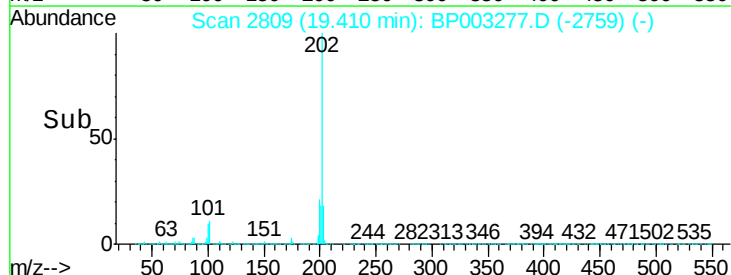
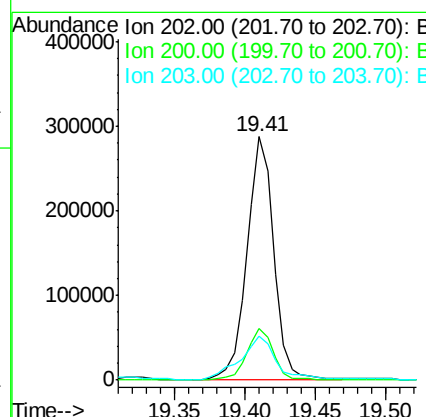
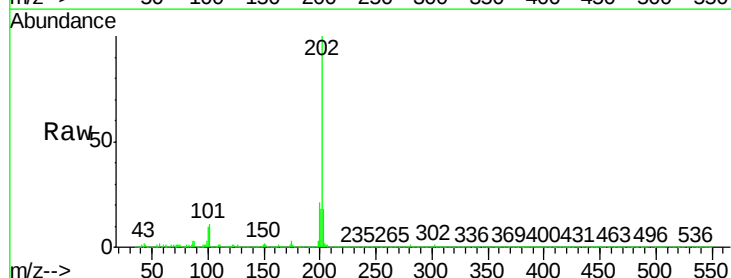
Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

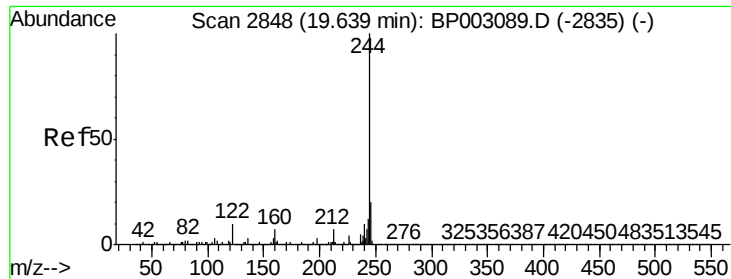
Tot Ion:240 Resp: 810299
Ion Ratio Lower Upper
240 100
120 9.7 7.8 11.6
236 25.8 20.8 31.2



#78
Pyrene
Concen: 7.243 ng
RT: 19.41 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion:202 Resp: 380909
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 61.685 ng

RT: 19.62 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

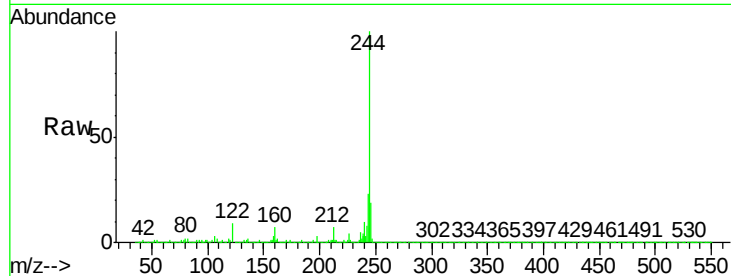
Tot Ion:244 Resp: 2271538

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

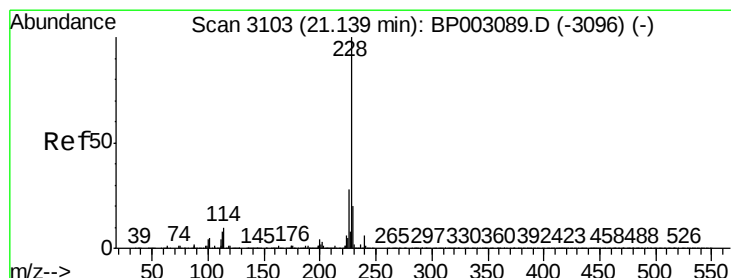
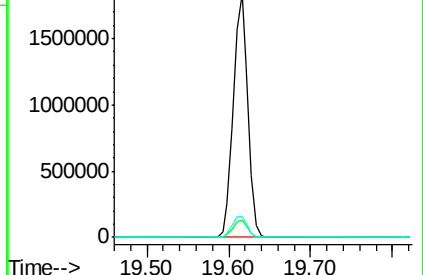
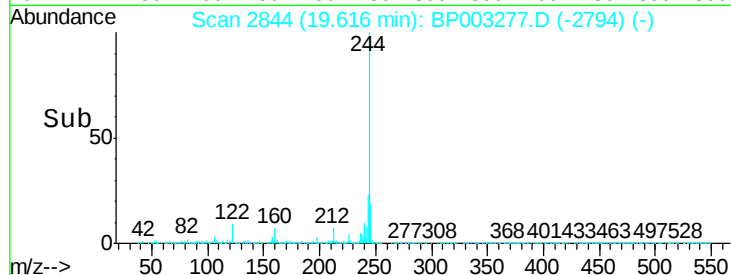
122 8.5 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.237 ng

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

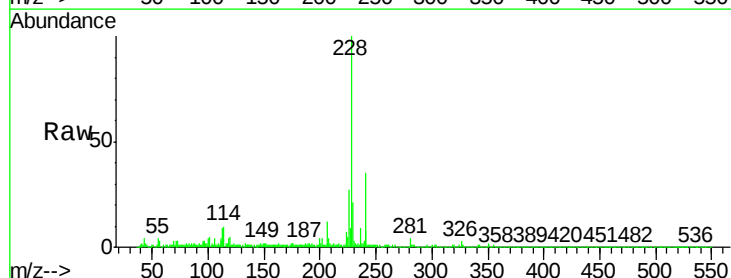
Tgt Ion:228 Resp: 215055

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

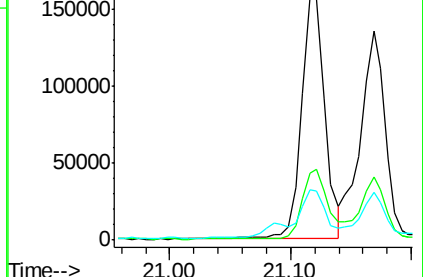
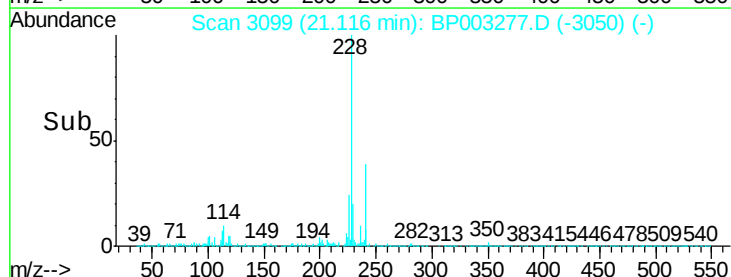
229 20.7 15.9 23.9

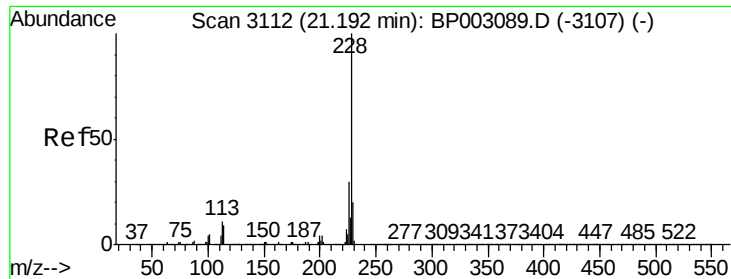


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

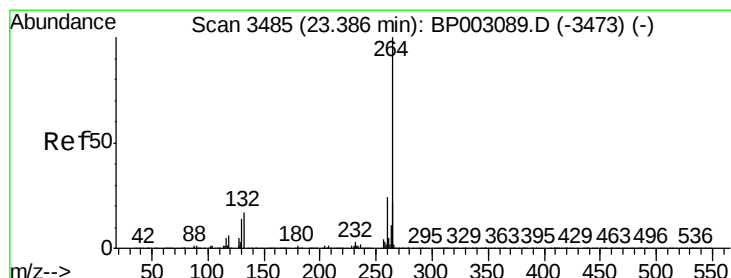
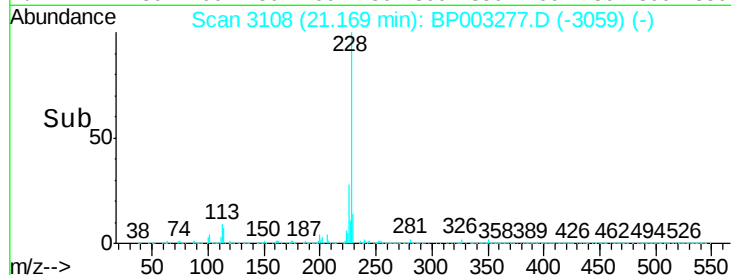
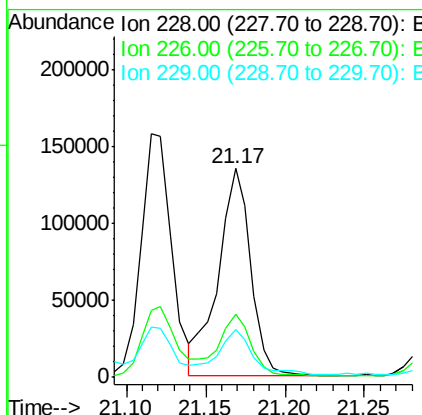
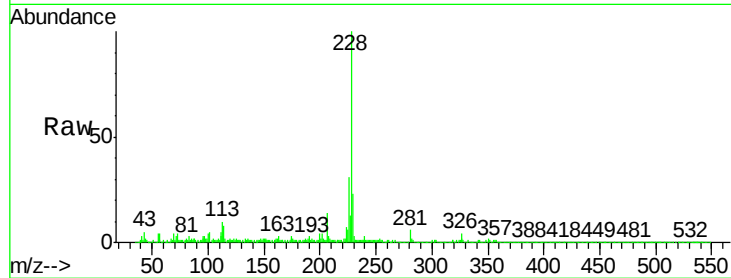




#83
Chrysene
Concen: 3.971 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

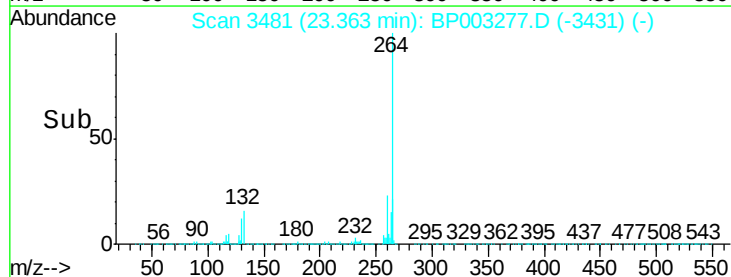
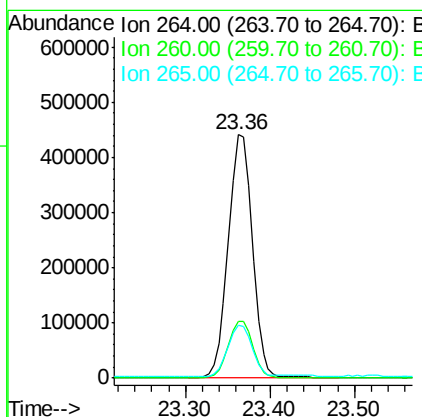
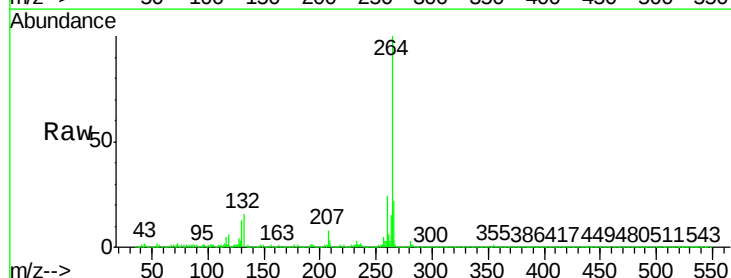
Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

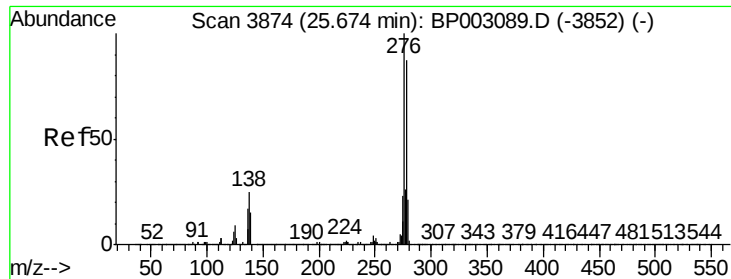
Tot Ion:228	Resp:	192981
Ion	Ratio	Lower Upper
228	100	
226	30.5	24.4 36.6
229	23.1	15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.36 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion:264	Resp:	865321
Ion	Ratio	Lower Upper
264	100	
260	23.5	18.8 28.2
265	21.9	17.4 26.2

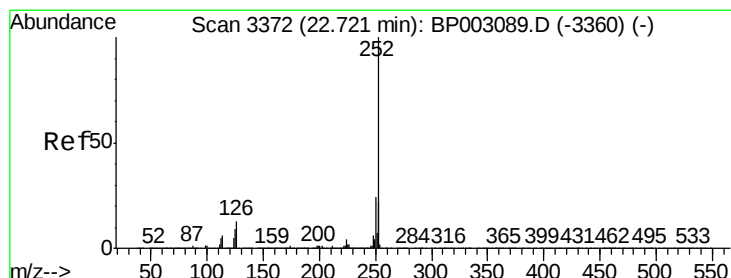
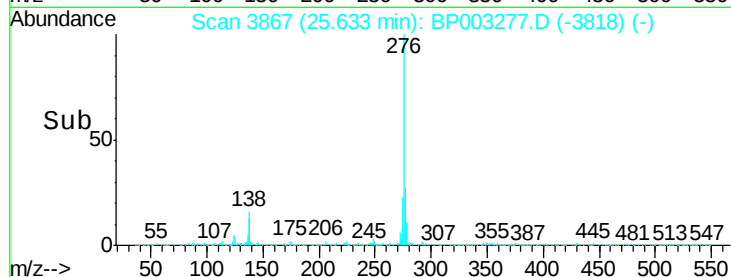
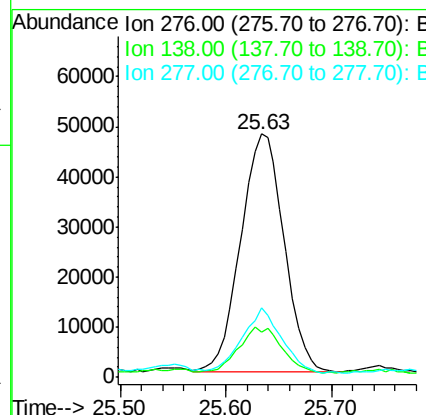
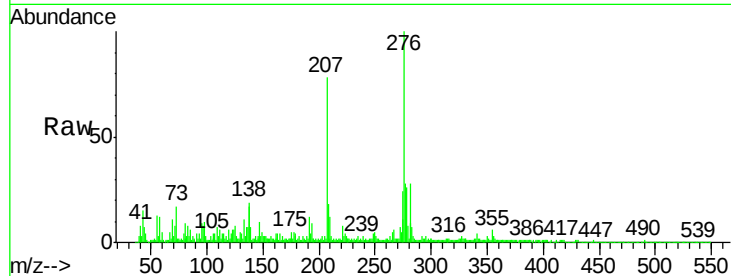




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.071 ng
 RT: 25.63 min Scan# 3867
 Delta R.T. -0.01 min
 Lab File: BP003277.D
 Acq: 14 Sep 2020 20:05

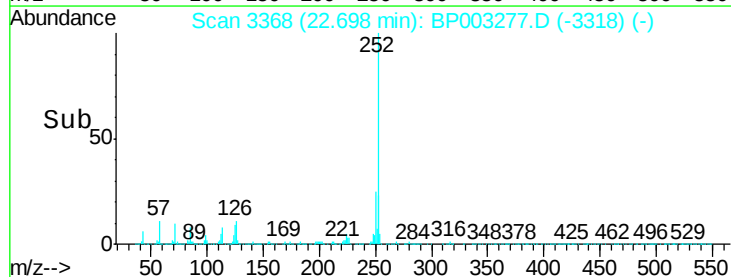
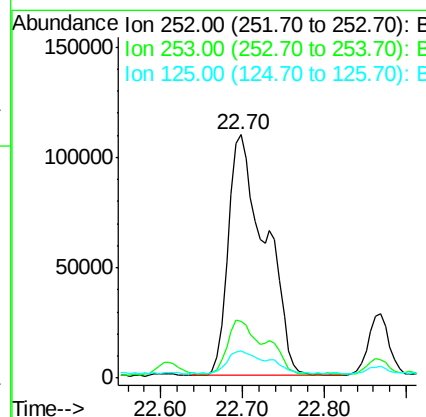
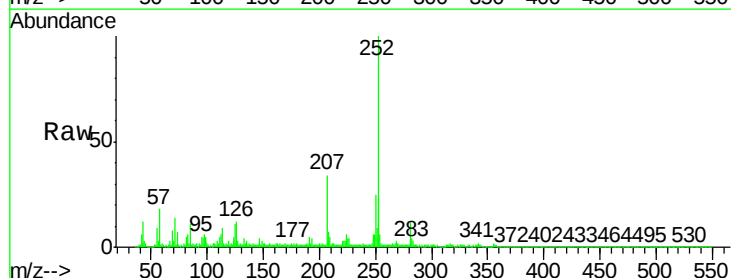
Instrument :
 BNA_P
 ClientSampleId :
 PAV-091120-DP

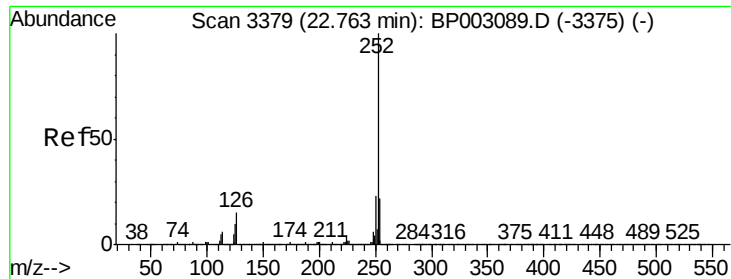
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.7	28.1
277	25.5	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 6.384 ng
 RT: 22.70 min Scan# 3368
 Delta R.T. -0.01 min
 Lab File: BP003277.D
 Acq: 14 Sep 2020 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	11.4	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 6.682 ng

RT: 22.70 min Scan# 3368

Delta R.T. -0.05 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

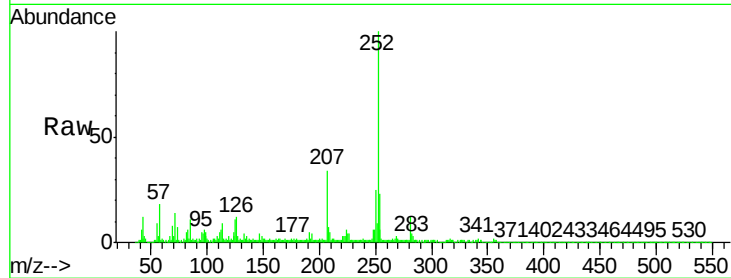
Tot Ion:252 Resp: 343373

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

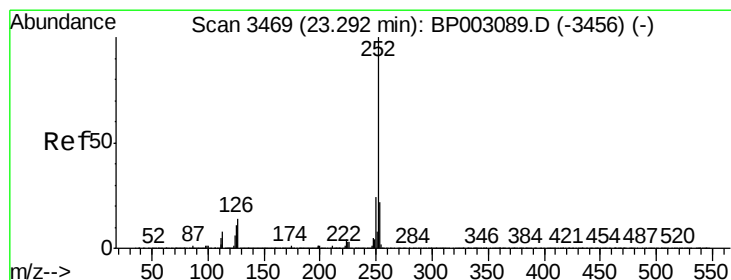
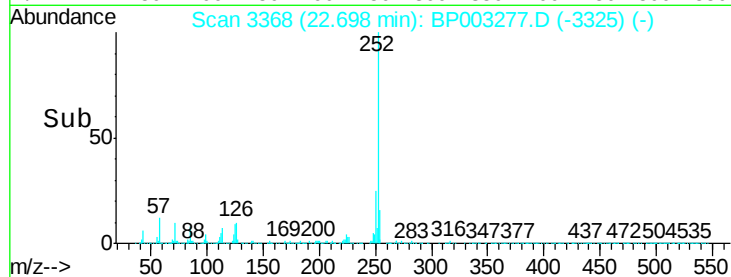
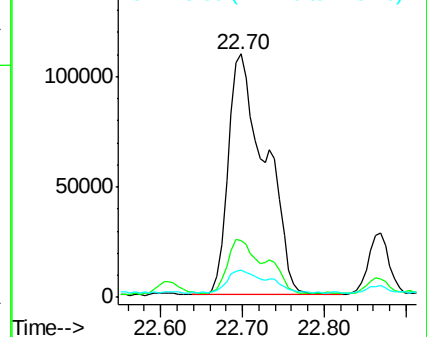
125 11.4 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 4.044 ng

RT: 23.27 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

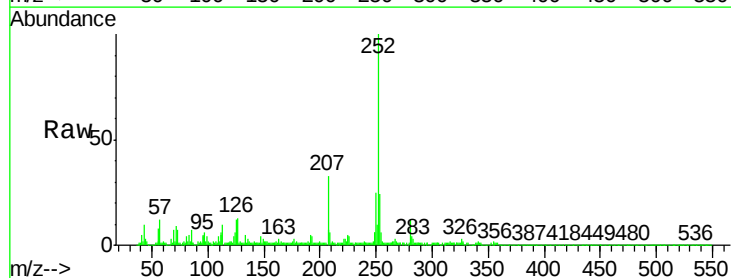
Tgt Ion:252 Resp: 201783

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

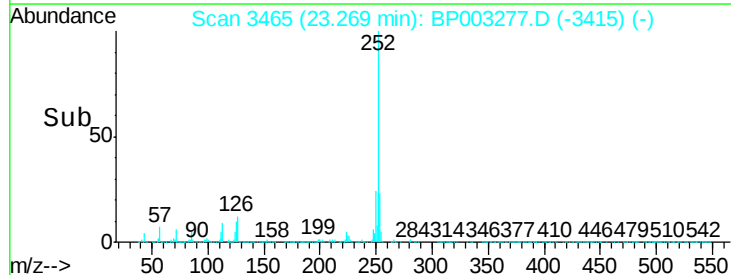
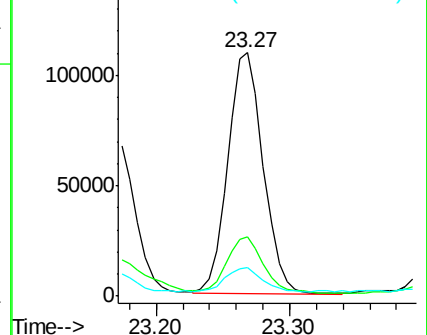
125 11.6 8.2 12.4

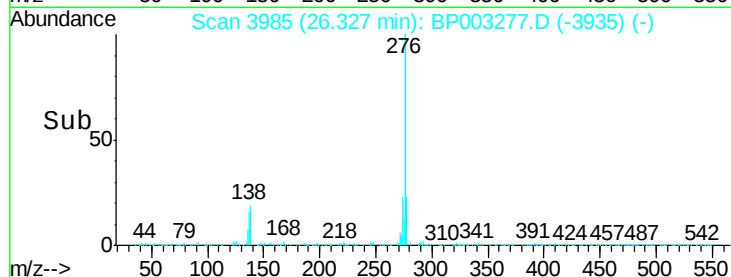
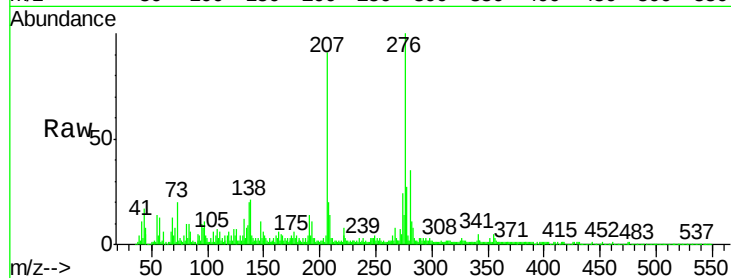
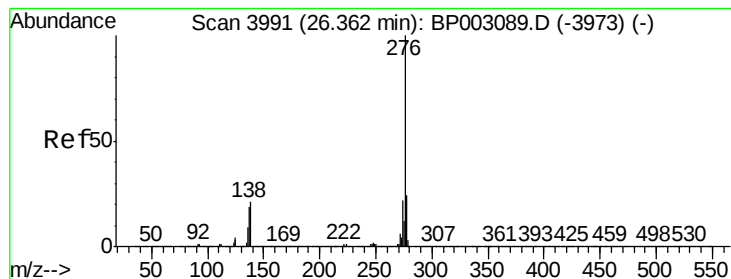


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.413 ng

RT: 26.33 min Scan# 3985

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

Tot Ion: 276 Resp: 128349

Ion Ratio Lower Upper

276 100

277 26.8 19.0 28.6

138 21.0 16.6 24.8

