

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003276.D
 Acq On : 14 Sep 2020 19:31
 Operator : CG/JU
 Sample : L3993-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PAV-B38-091120-0-10

Quant Time: Sep 15 01:35:49 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	191045	20.00	ng	-0.01
21) Naphthalene-d8	10.42	136	758691	20.00	ng	-0.02
39) Acenaphthene-d10	14.28	164	457586	20.00	ng	-0.01
64) Phenanthrene-d10	17.04	188	912172	20.00	ng	0.00
76) Chrysene-d12	21.13	240	725572	20.00	ng	-0.01
86) Perylene-d12	23.36	264	842353	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	848951	78.57	ng	0.00
7) Phenol-d6	6.83	99	1024127	75.61	ng	0.00
23) Nitrobenzene-d5	8.79	82	635524	60.39	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	531067	85.81	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	1786921	57.19	ng	-0.01
79) Terphenyl-d14	19.62	244	2080704	63.10	ng	0.00

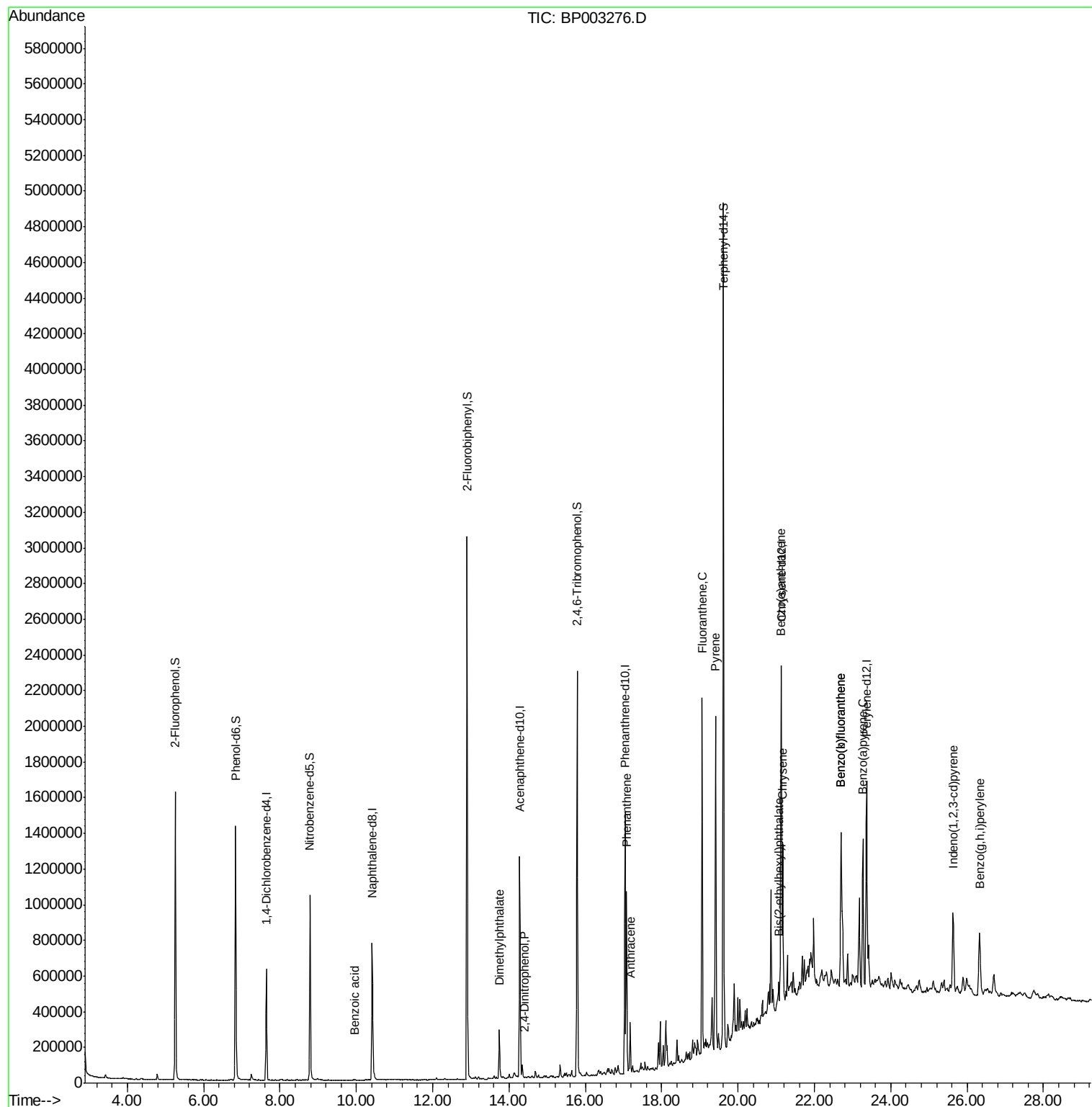
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.96	122	366	9.038	ng	86
50) Dimethylphthalate	13.75	163	224440	6.432	ng	99
54) 2,4-Dinitrophenol	14.40	184	18	7.759	ng	# 1
71) Phenanthrene	17.08	178	649054	13.132	ng	100
72) Anthracene	17.17	178	192041	4.060	ng	100
75) Fluoranthene	19.06	202	1214058	21.252	ng	99
78) Pyrene	19.41	202	1128638	23.967	ng	100
81) Benzo(a)anthracene	21.12	228	561466	12.354	ng	99
83) Chrysene	21.17	228	492807	11.325	ng	97
84) Bis(2-ethylhexyl)phthalate	21.06	149	66089	2.360	ng	100
87) Indeno(1,2,3-cd)pyrene	25.63	276	440344	7.010	ng	95
88) Benzo(b)fluoranthene	22.70	252	980047	18.719	ng	97
89) Benzo(k)fluoranthene	22.70	252	980047	19.592	ng	98
90) Benzo(a)pyrene	23.27	252	617170	12.706	ng	98
92) Benzo(a,h,i)perylene	26.33	276	441187	8.519	ng	98

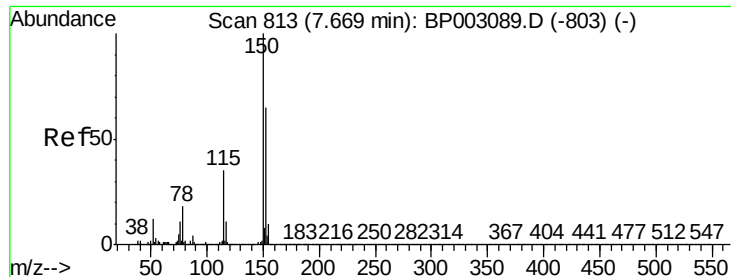
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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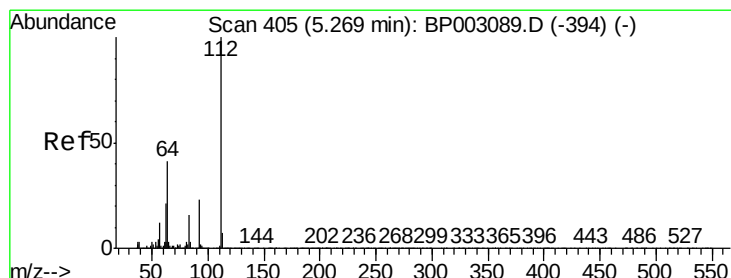
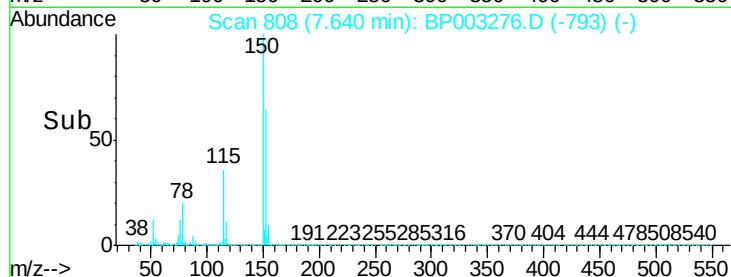
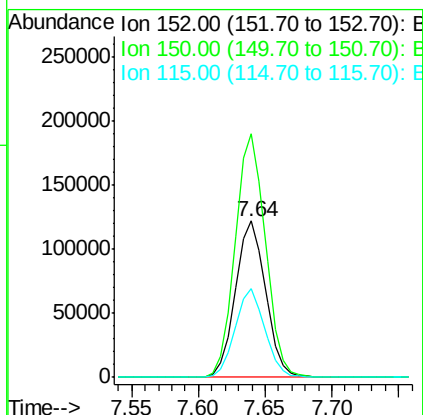
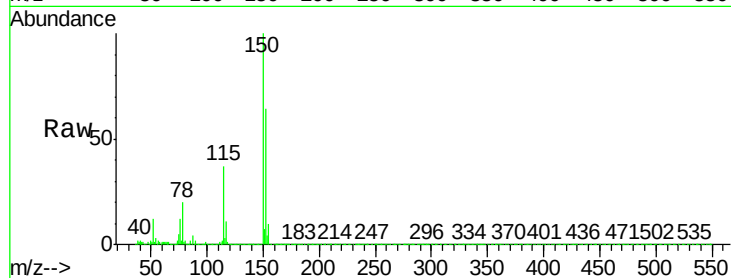


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 808
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

Instrument :
BNA_P
ClientSampleId :
PAV-B38-091120-0-10

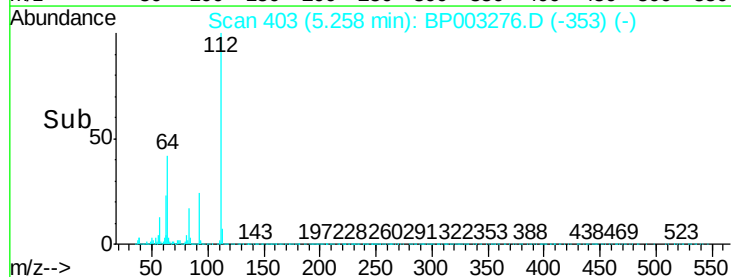
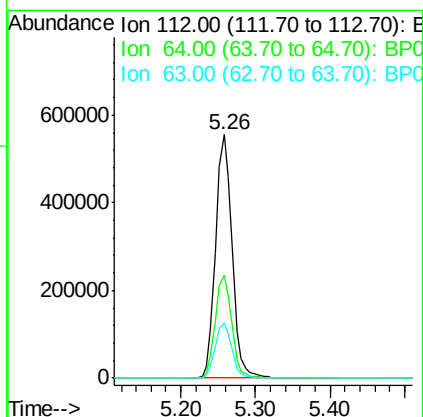
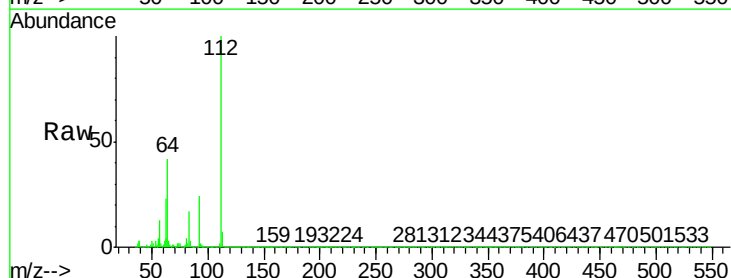
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.8	185.6
115	56.9	43.8	65.6

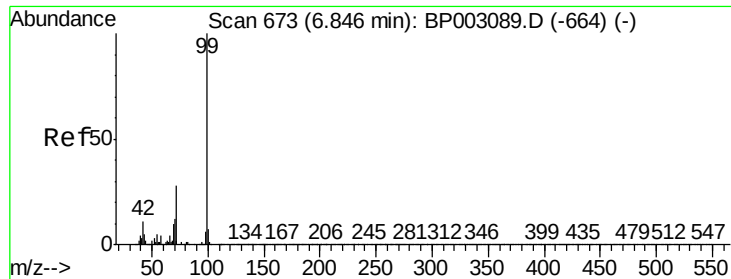


#5

2-Fluorophenol
Concen: 78.566 ng
RT: 5.26 min Scan# 403
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.0	32.8	49.2
63	22.6	17.0	25.4





#7

Phenol-d6

Concen: 75.606 ng

RT: 6.83 min Scan# 671

Delta R.T. -0.00 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

Instrument :

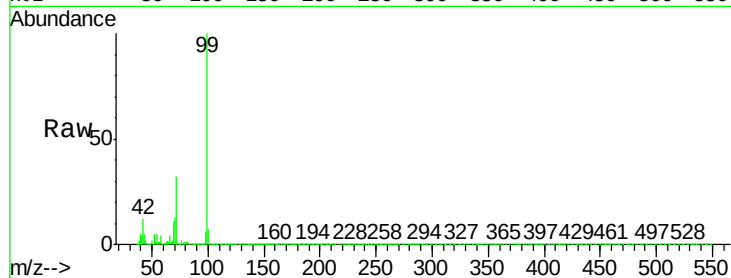
BNA_P

ClientSampleId :

PAV-B38-091120-0-10

Tot Ion: 99 Resp: 1024127

Ion	Ratio	Lower	Upper
99	100		
42	11.5	8.6	13.0
71	32.1	23.4	35.2

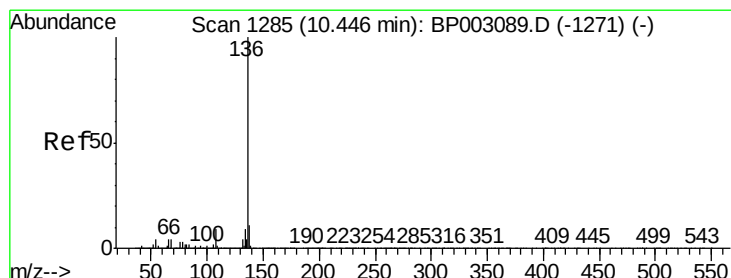
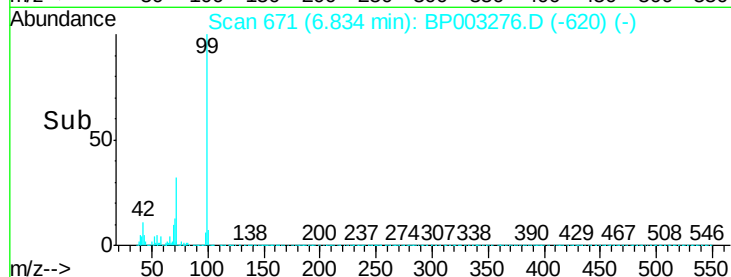
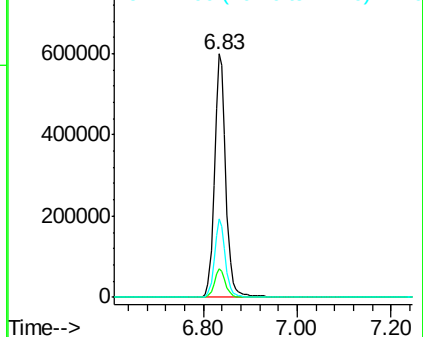


Abundance

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

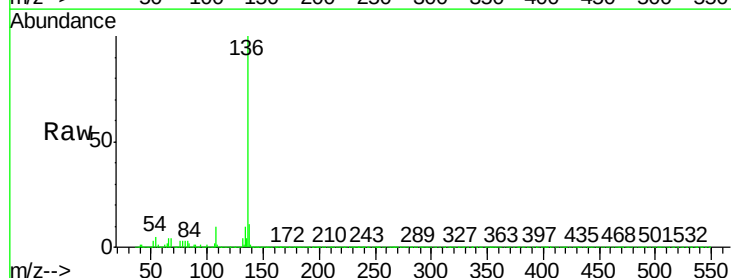
Delta R.T. -0.02 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

Tgt Ion: 136 Resp: 758691

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	4.8	3.6	5.4
68	4.4	3.3	4.9



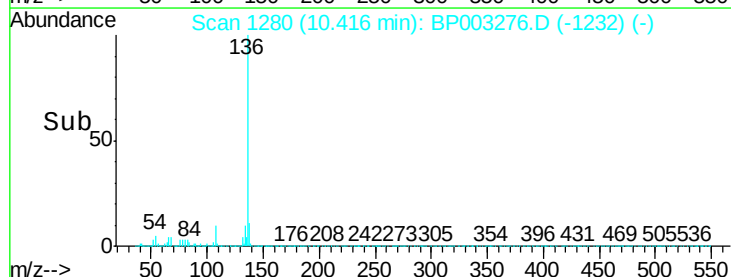
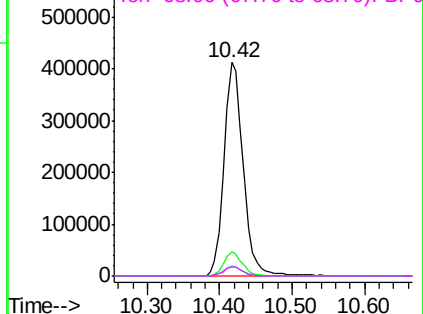
Abundance

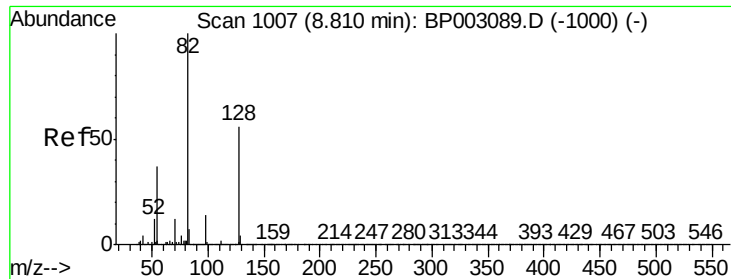
Ion 136.00 (135.70 to 136.70): E

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

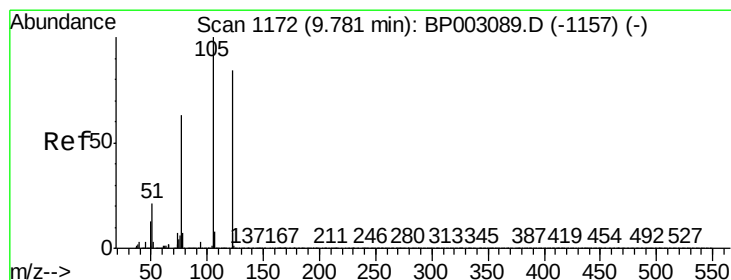
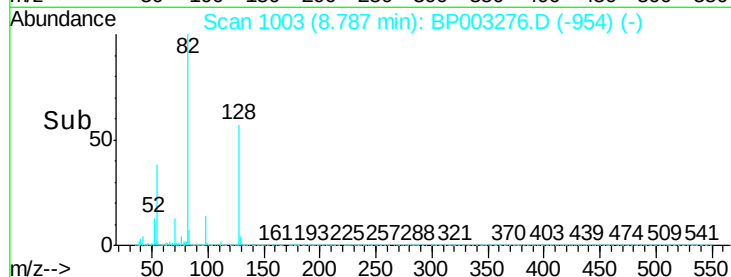
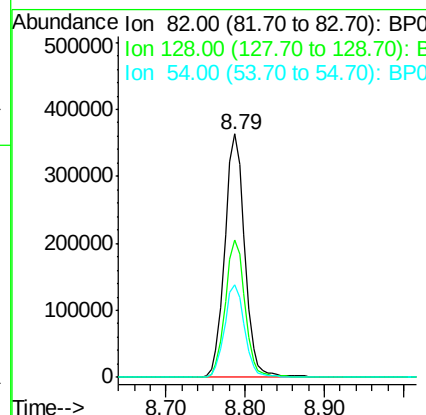
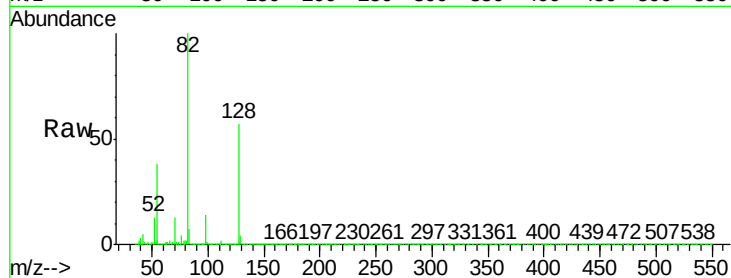




#23
 Nitrobenzene-d5
 Concen: 60.387 ng
 RT: 8.79 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BP003276.D
 Acq: 14 Sep 2020 19:31

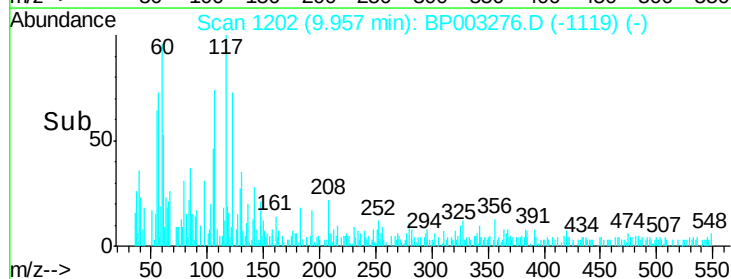
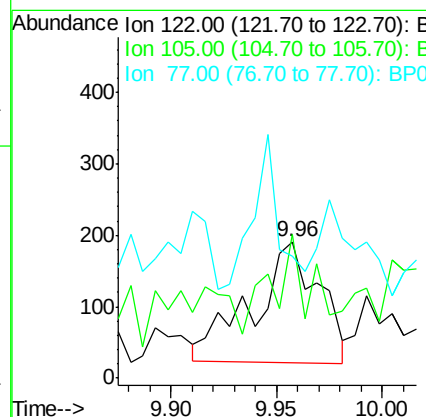
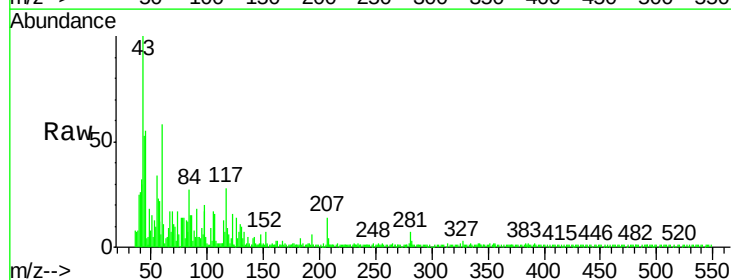
Instrument :
 BNA_P
 ClientSampleId :
 PAV-B38-091120-0-10

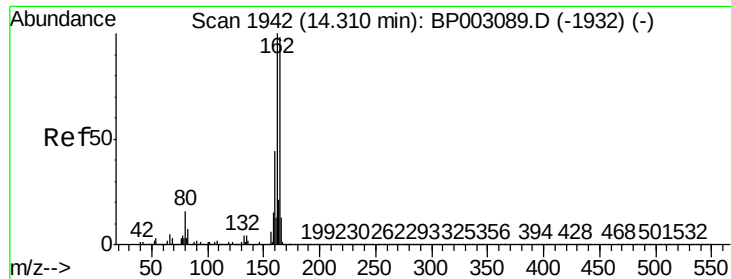
Tot Ion	82	Resp	635524
Ion Ratio	Lower	Upper	
82	100		
128	56.6	45.6	68.4
54	38.2	30.1	45.1



#32
 Benzoic acid
 Concen: 9.038 ng
 RT: 9.96 min Scan# 1202
 Delta R.T. 0.19 min
 Lab File: BP003276.D
 Acq: 14 Sep 2020 19:31

Tgt Ion	122	Resp	366
Ion Ratio	Lower	Upper	
122	100		
105	105.8	94.1	134.1
77	89.5	50.1	90.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.28 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

Instrument :

BNA_P

ClientSampleId :

PAV-B38-091120-0-10

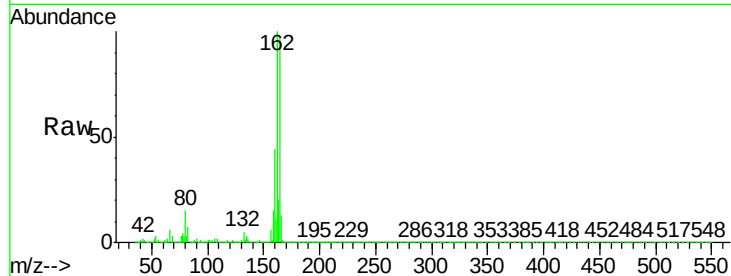
Tot Ion:164 Resp: 457586

Ion Ratio Lower Upper

164 100

162 102.7 79.4 119.2

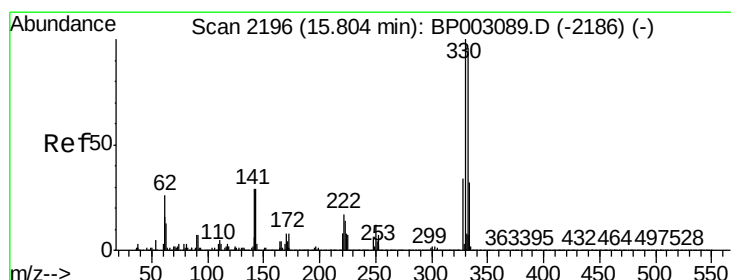
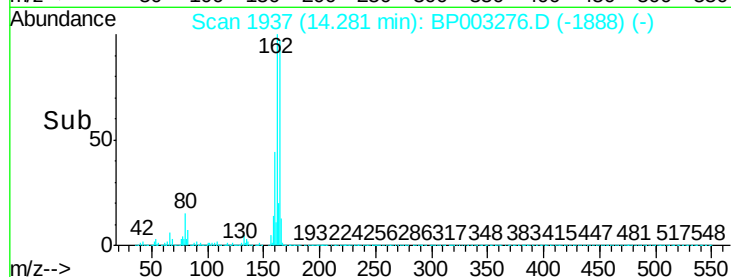
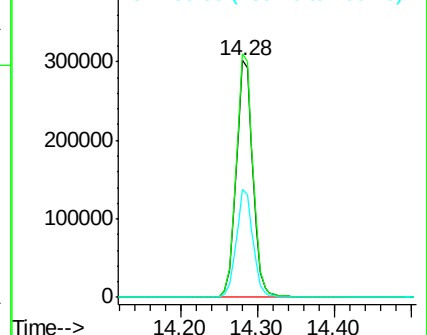
160 45.6 36.1 54.1



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: 85.812 ng

RT: 15.78 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

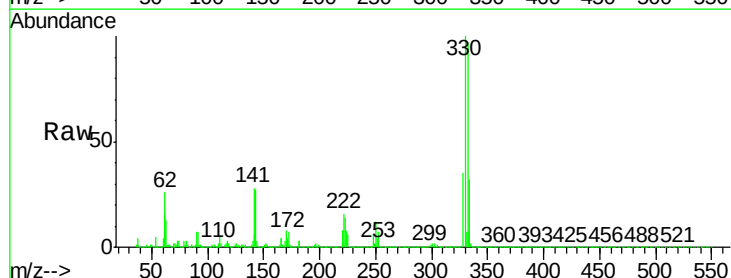
Tgt Ion:330 Resp: 531067

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

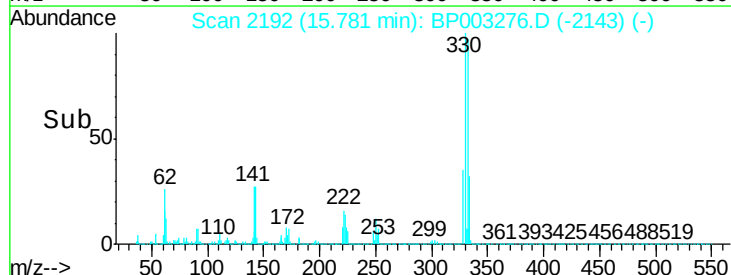
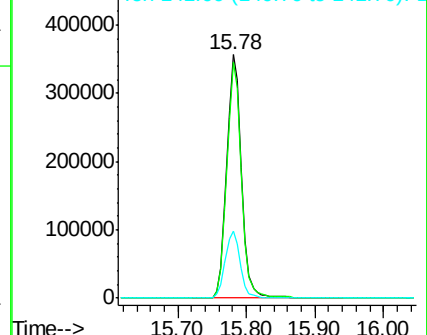
141 28.1 23.4 35.2

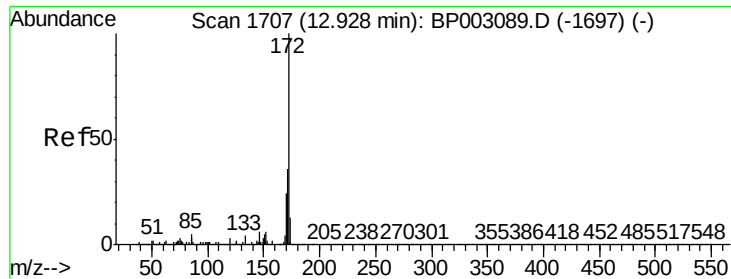


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

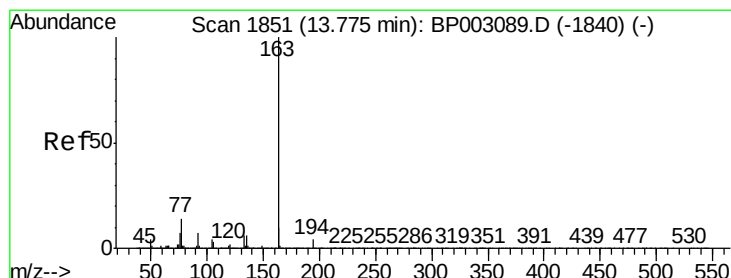
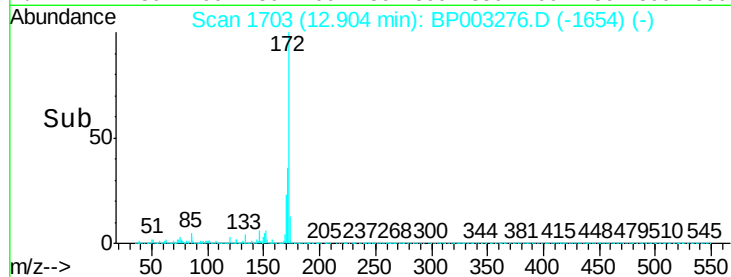
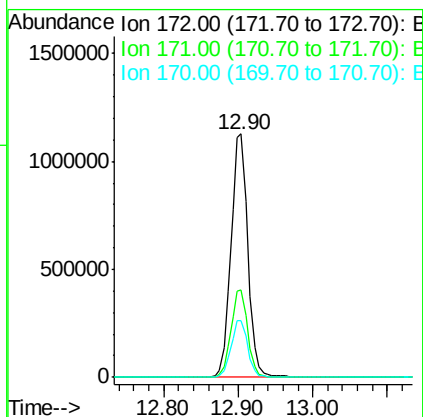
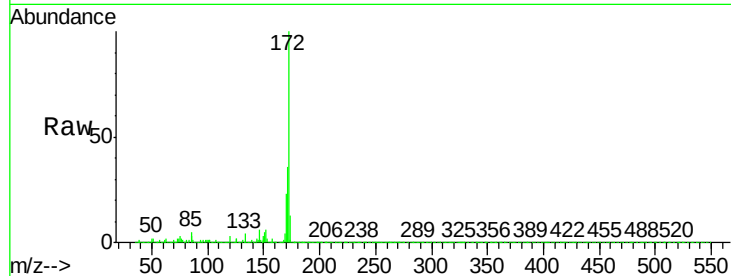




#45
2-Fluorobiphenyl
Concen: 57.188 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

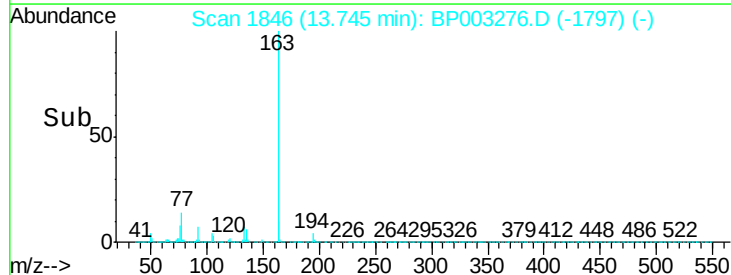
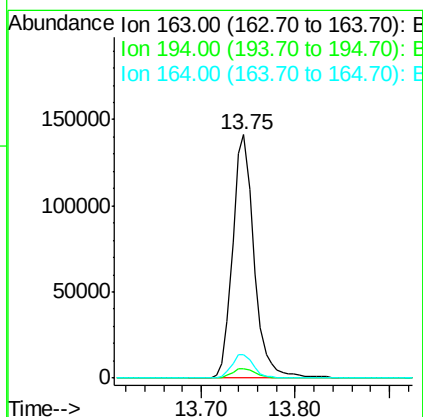
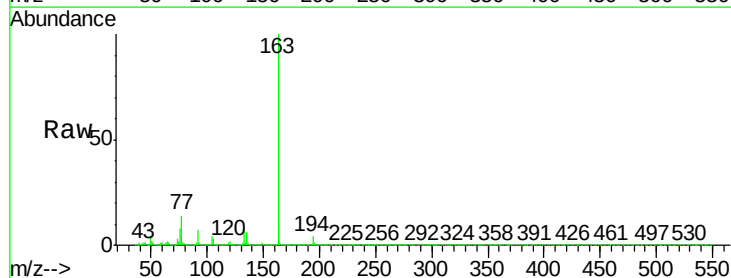
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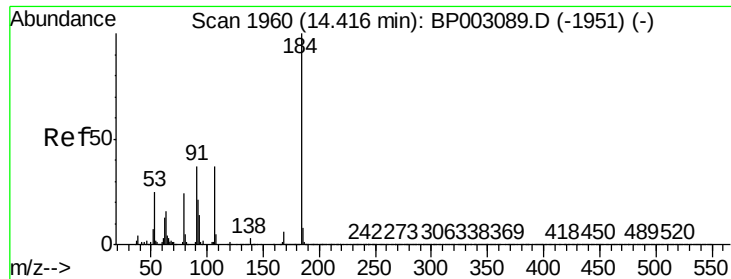
Tot Ion:172 Resp: 1786921
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.2 19.2 28.8



#50
Dimethylphthalate
Concen: 6.432 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

Tgt Ion:163 Resp: 224440
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.6 8.2 12.2

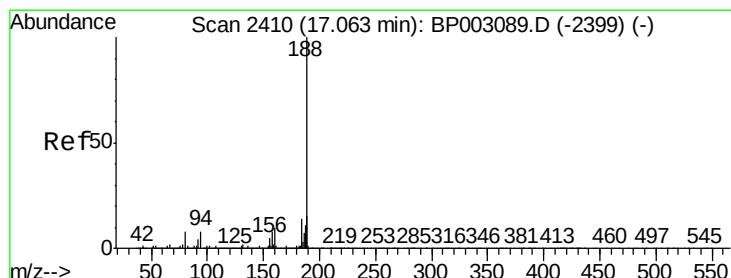
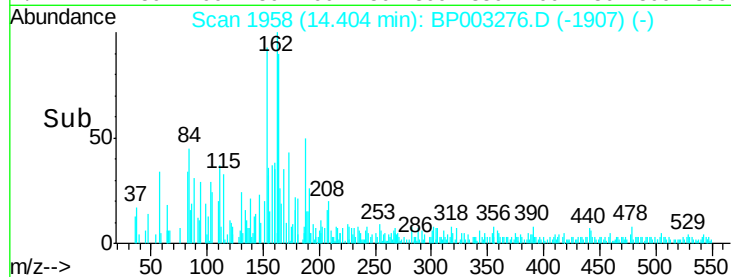
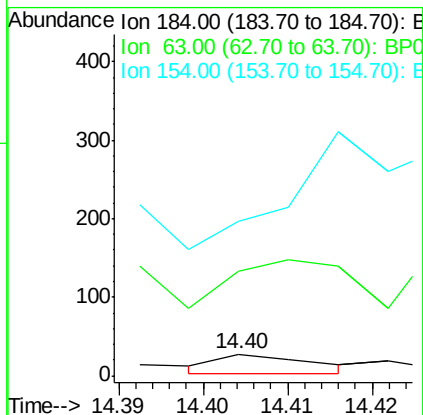
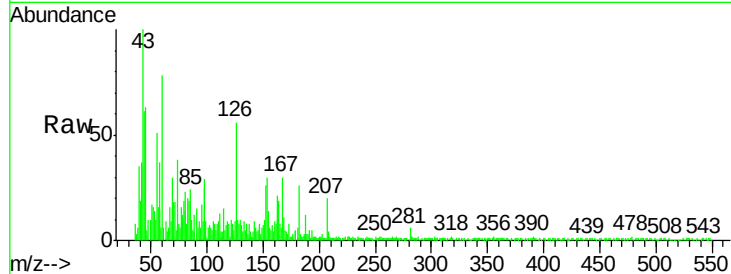




#54
2,4-Dinitrophenol
Concen: 7.759 ng
RT: 14.40 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

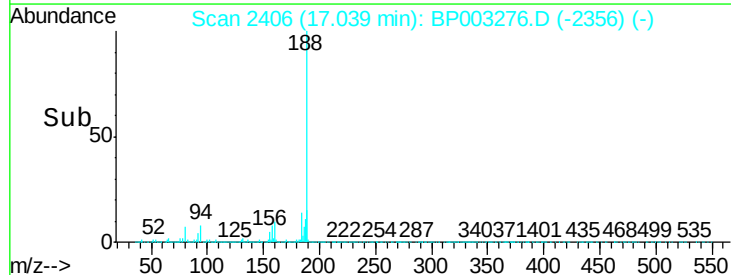
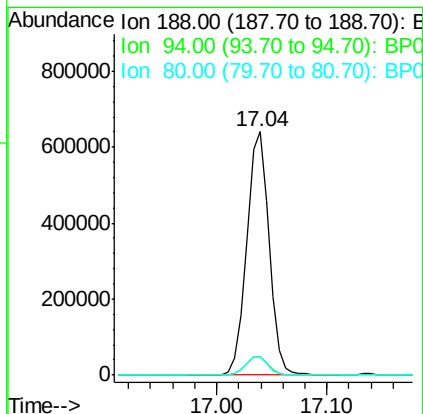
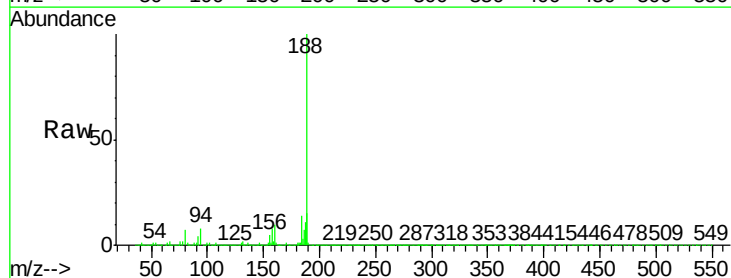
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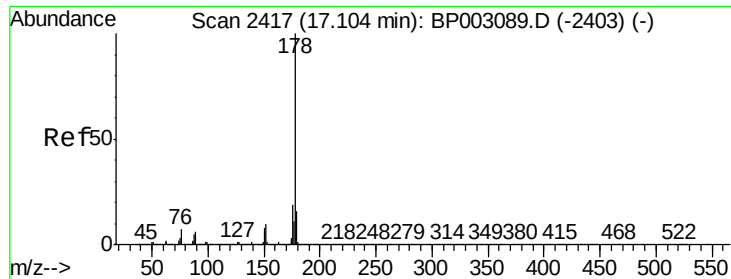
Tot Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 492.6 32.3 48.5#
154 729.6 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

Tgt Ion:188 Resp: 912172
Ion Ratio Lower Upper
188 100
94 7.5 6.2 9.2
80 7.3 6.2 9.2





#71

Phenanthrene

Concen: 13.132 ng

RT: 17.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

Instrument :

BNA_P

ClientSampleId :

PAV-B38-091120-0-10

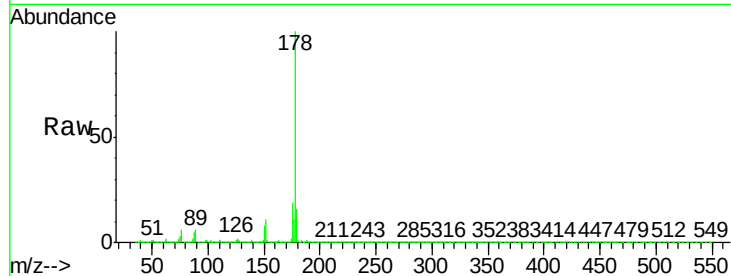
Tot Ion:178 Resp: 649054

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

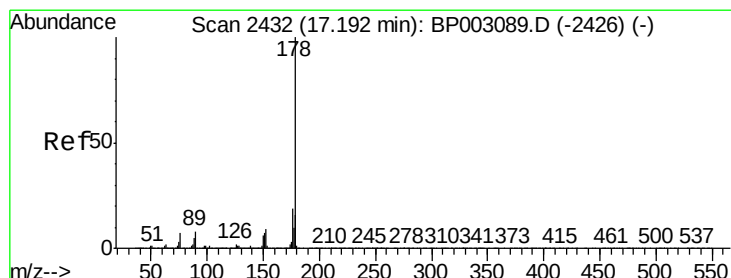
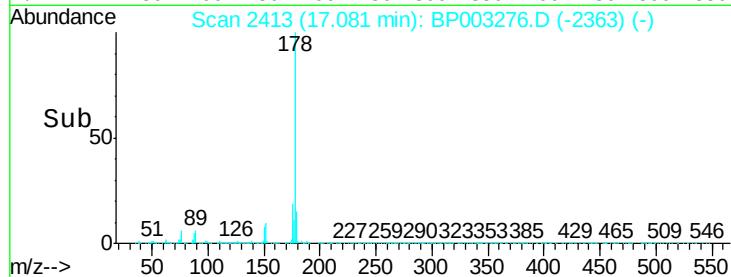
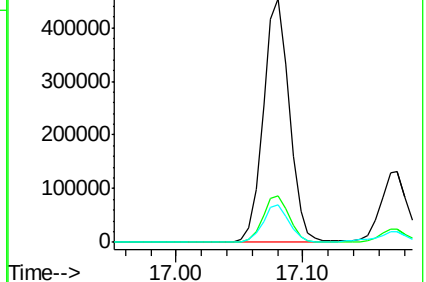
179 15.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 4.060 ng

RT: 17.17 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

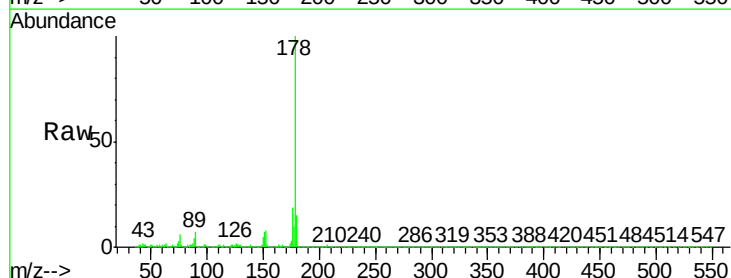
Tgt Ion:178 Resp: 192041

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

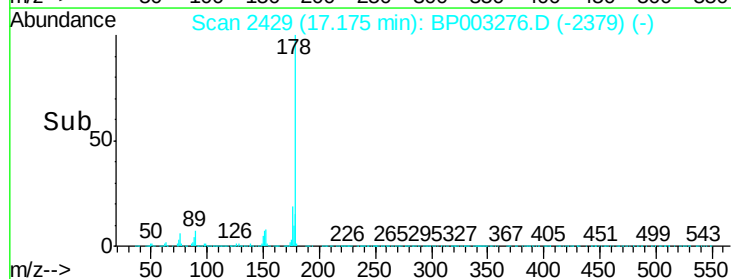
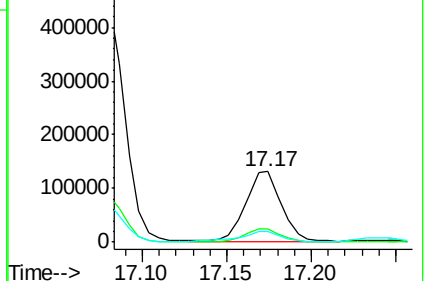
179 15.5 12.5 18.7

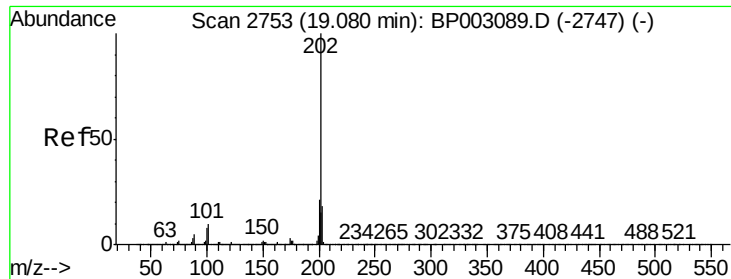


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 21.252 ng

RT: 19.06 min Scan# 2749

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

Instrument :

BNA_P

ClientSampleId :

PAV-B38-091120-0-10

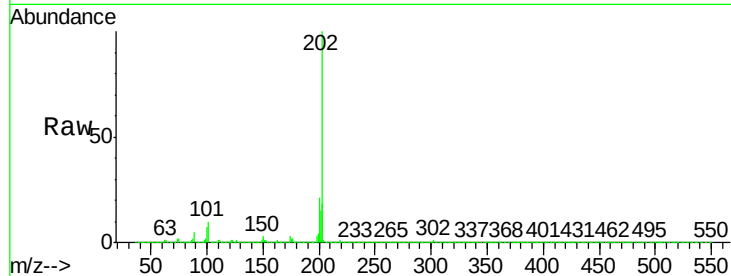
Tot Ion:202 Resp: 1214058

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.4

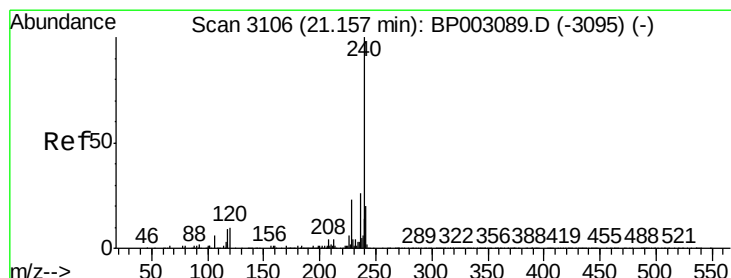
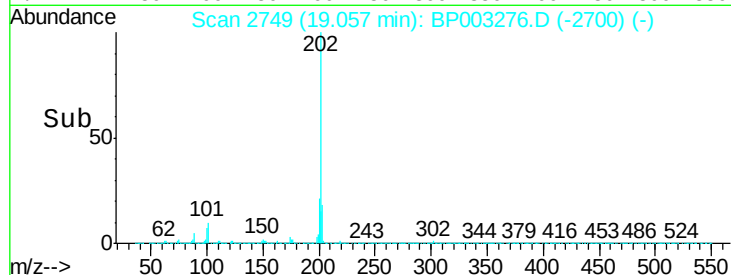
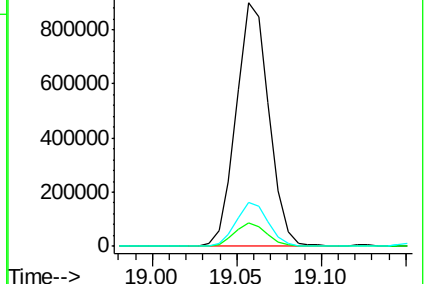
203 17.9 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

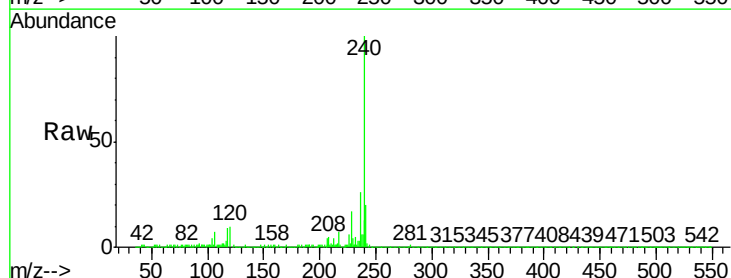
Tgt Ion:240 Resp: 725572

Ion Ratio Lower Upper

240 100

120 9.9 7.8 11.6

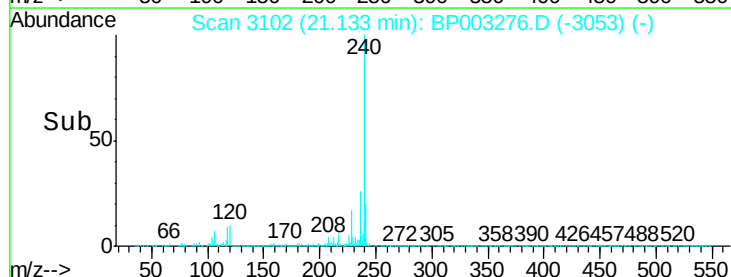
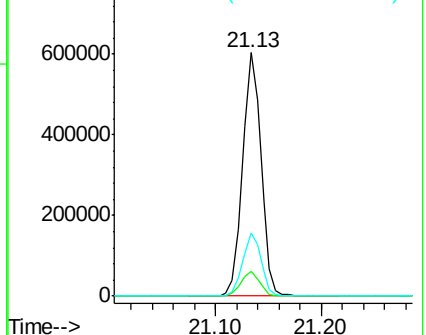
236 26.0 20.8 31.2

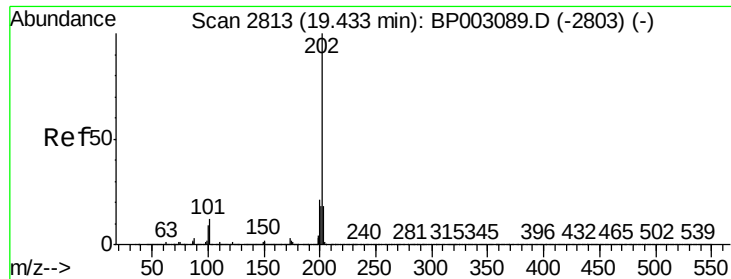


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

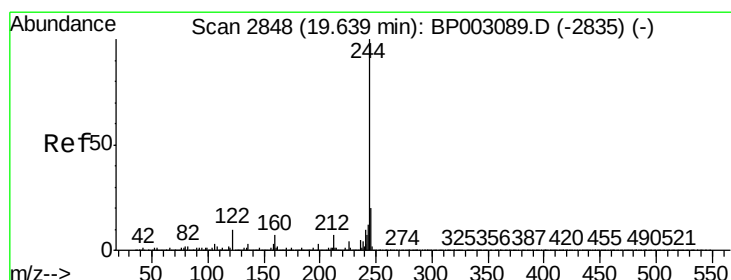
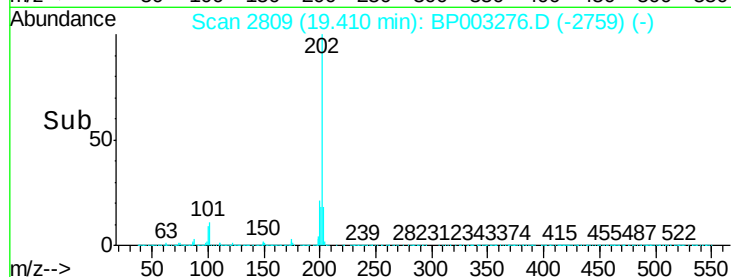
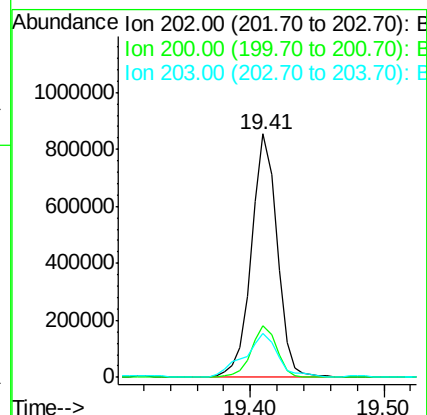
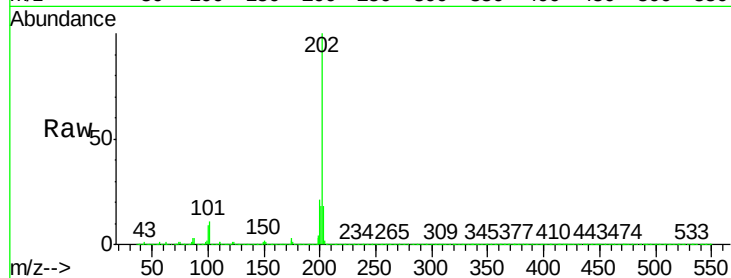




#78
Pvrene
Concen: 23.967 ng
RT: 19.41 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

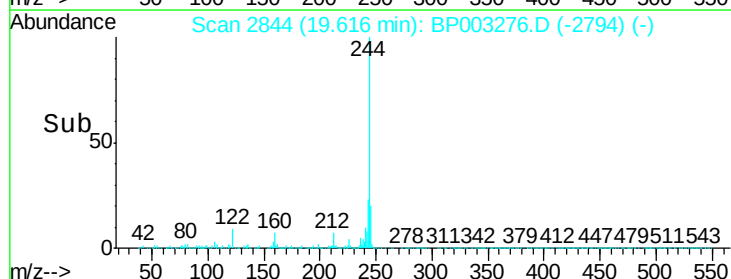
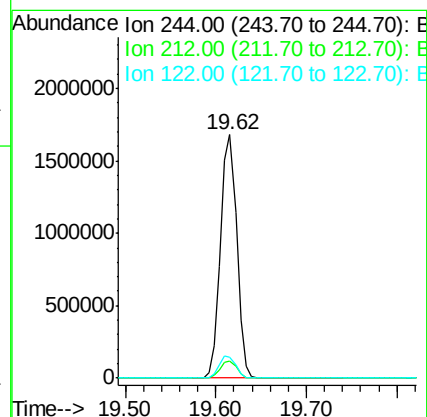
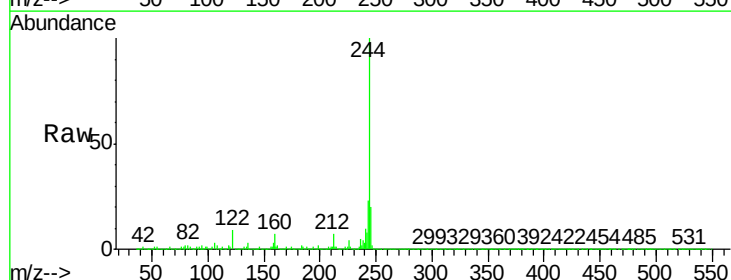
Instrument :
BNA_P
ClientSampleId :
PAV-B38-091120-0-10

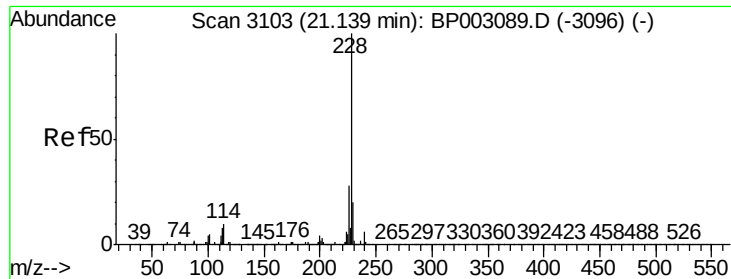
Tot Ion:202 Resp: 1128638
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.0 14.2 21.2



#79
Terphenyl-d14
Concen: 63.101 ng
RT: 19.62 min Scan# 2844
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

Tgt Ion:244 Resp: 2080704
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 8.7 7.8 11.8

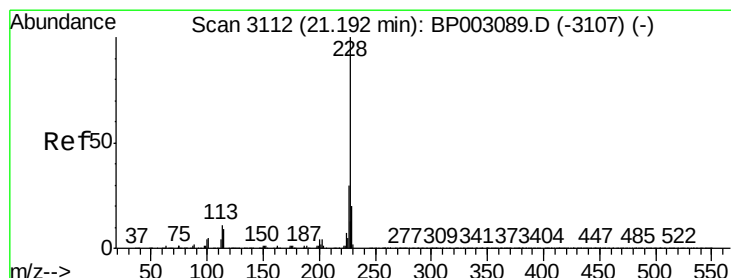
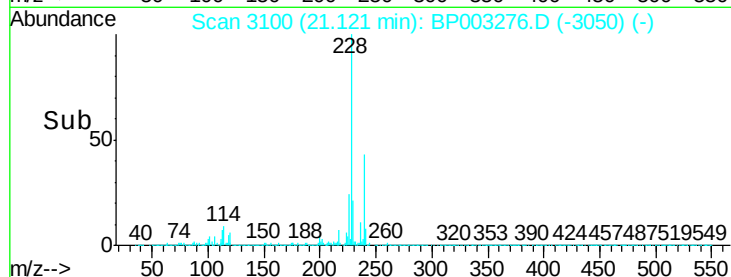
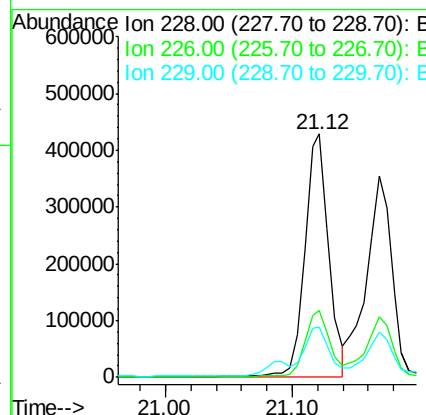
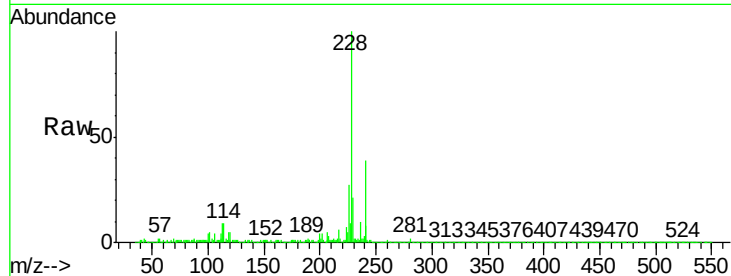




#81
Benzo(a)anthracene
Concen: 12.354 ng
RT: 21.12 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

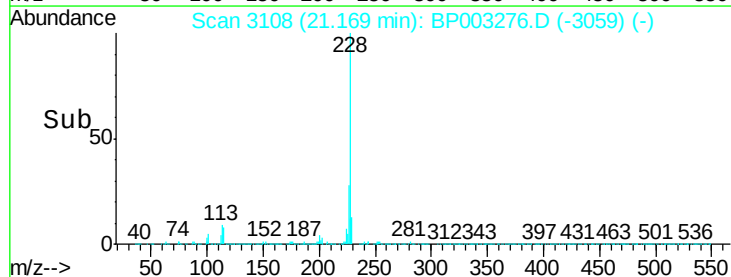
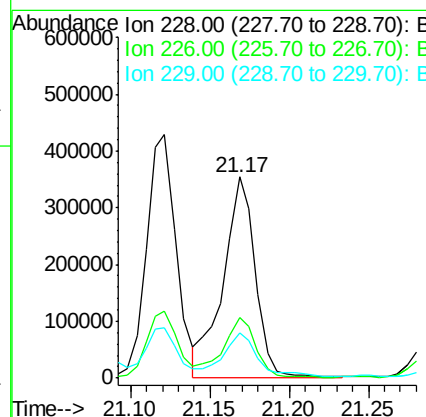
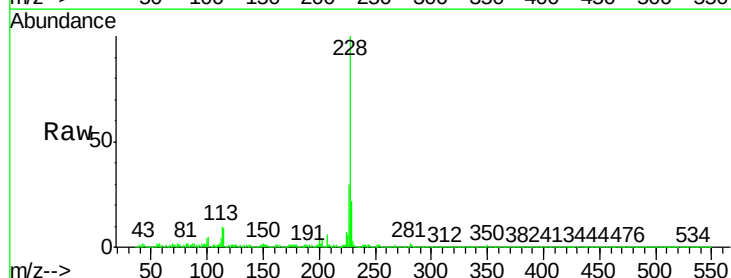
Instrument :
BNA_P
ClientSampleId :
PAV-B38-091120-0-10

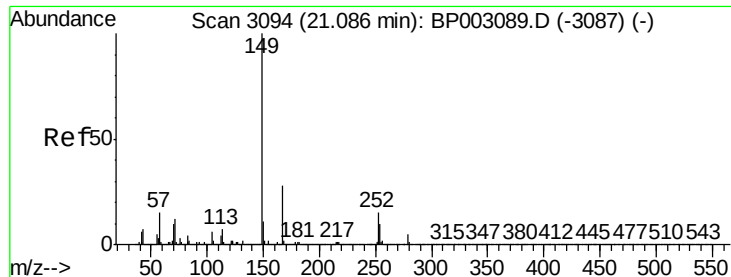
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.8	15.9	23.9



#83
Chrysene
Concen: 11.325 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP003276.D
Acq: 14 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.4	36.6
229	22.3	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.360 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.02 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

Instrument :

BNA_P

ClientSampleId :

PAV-B38-091120-0-10

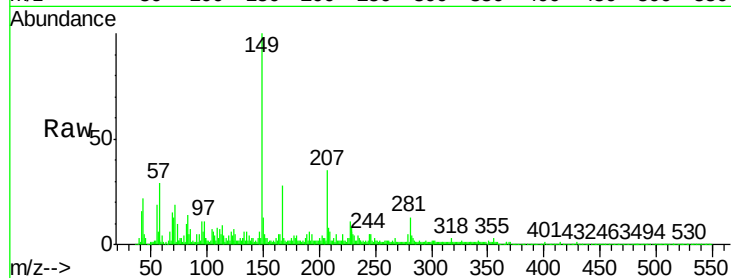
Tot Ion:149 Resp: 66089

Ion Ratio Lower Upper

149 100

167 28.5 22.6 34.0

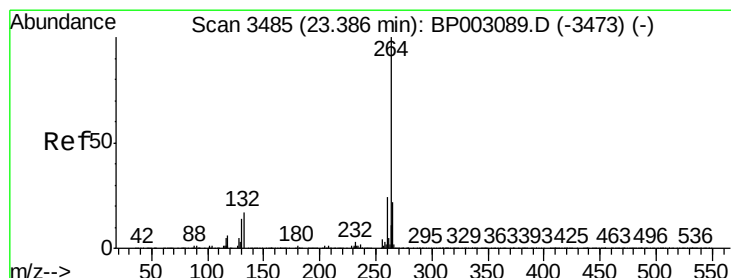
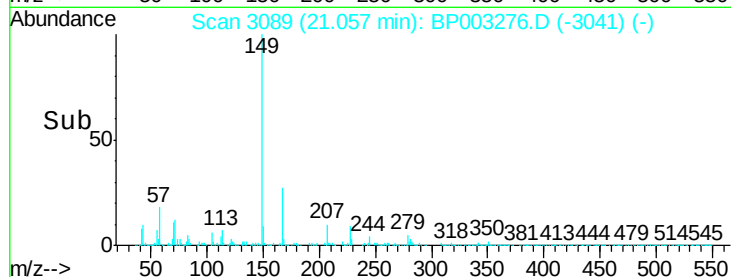
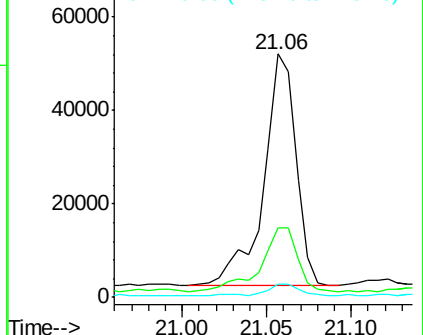
279 5.5 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3481

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

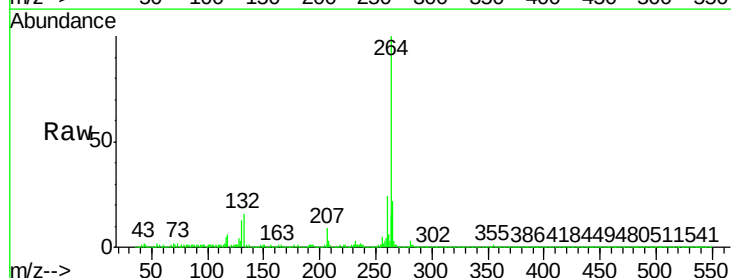
Tgt Ion:264 Resp: 842353

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

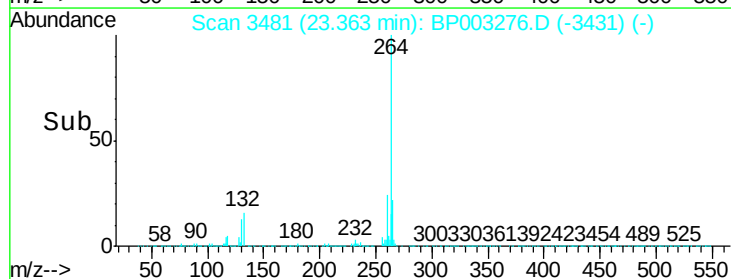
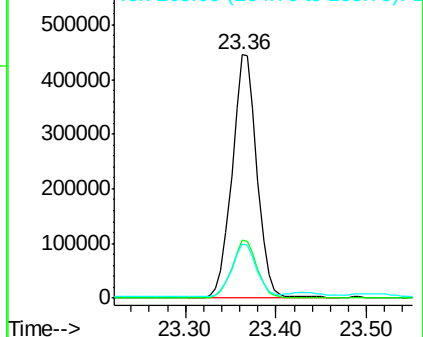
265 22.1 17.4 26.2

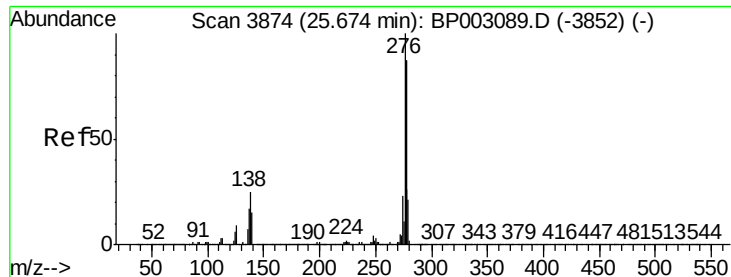


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

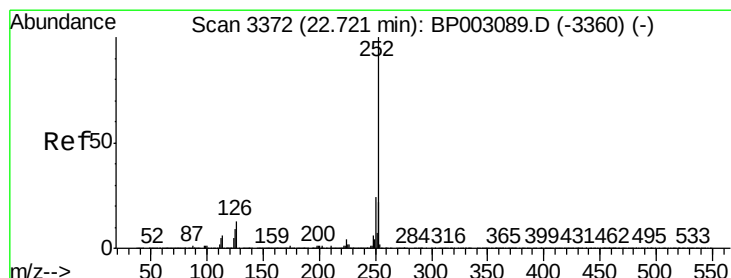
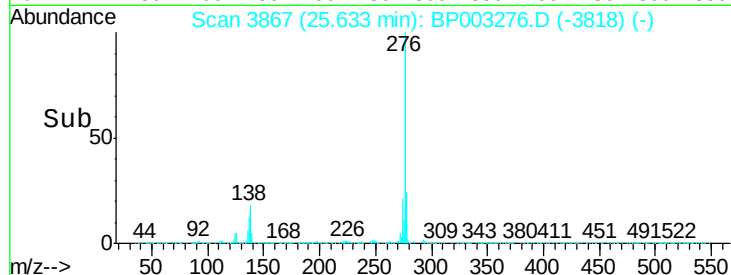
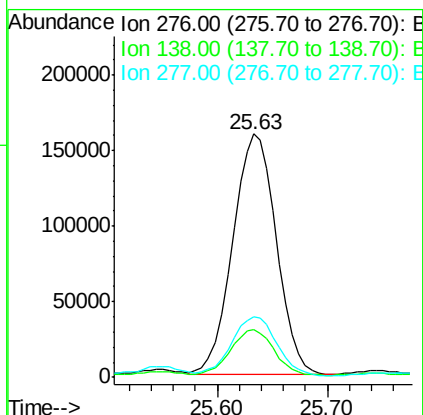
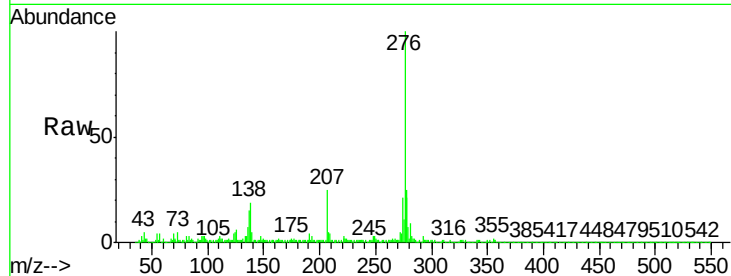




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.010 ng
 RT: 25.63 min Scan# 3867
 Delta R.T. -0.01 min
 Lab File: BP003276.D
 Acq: 14 Sep 2020 19:31

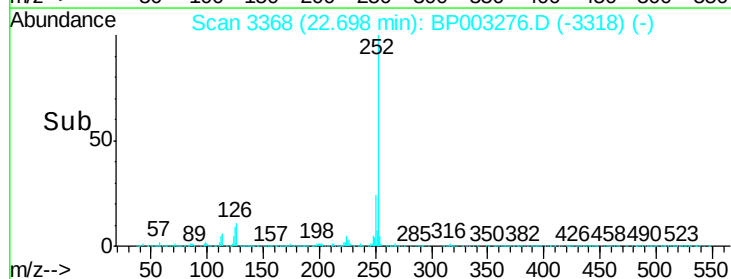
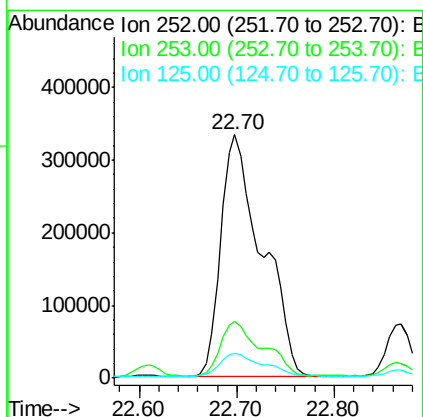
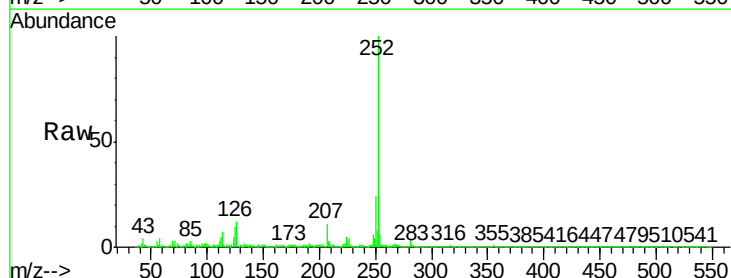
Instrument :
 BNA_P
 ClientSampleId :
 PAV-B38-091120-0-10

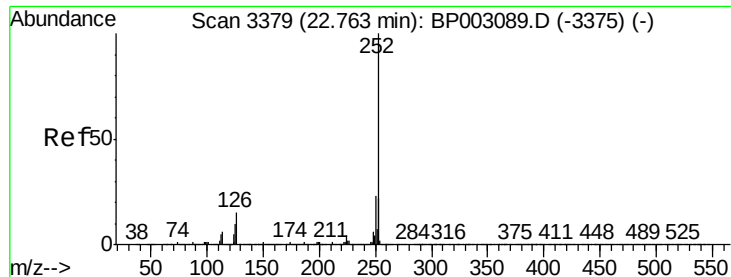
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.7	28.1
277	25.2	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 18.719 ng
 RT: 22.70 min Scan# 3368
 Delta R.T. -0.01 min
 Lab File: BP003276.D
 Acq: 14 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	10.0	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 19.592 ng

RT: 22.70 min Scan# 3368

Delta R.T. -0.05 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

Instrument :

BNA_P

ClientSampleId :

PAV-B38-091120-0-10

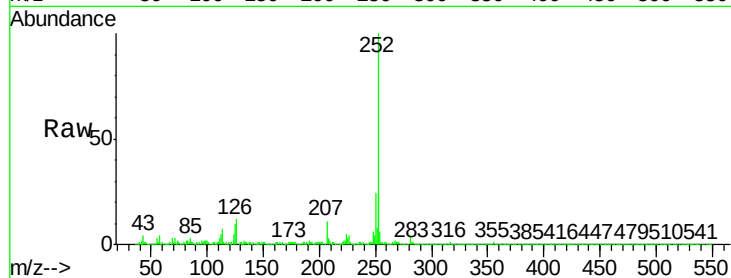
Tot Ion:252 Resp: 980047

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

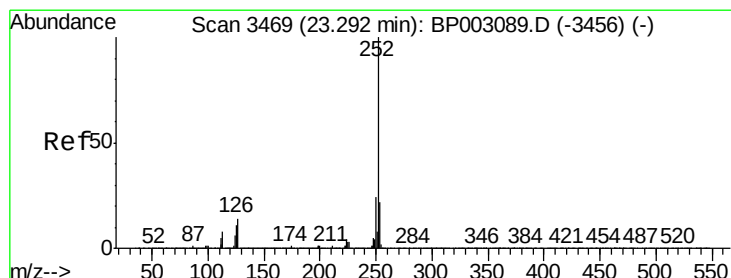
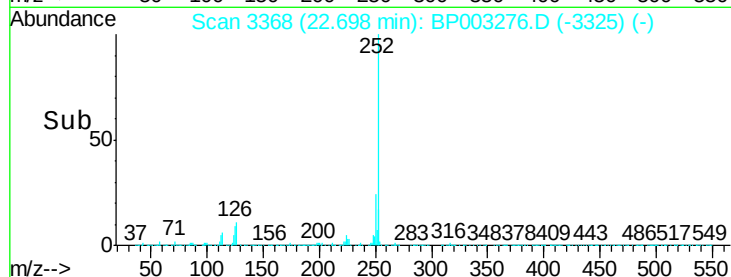
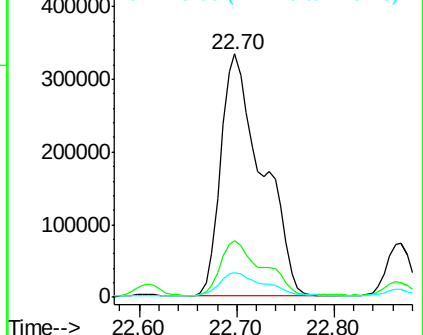
125 10.0 7.4 11.2



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: 12.706 ng

RT: 23.27 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

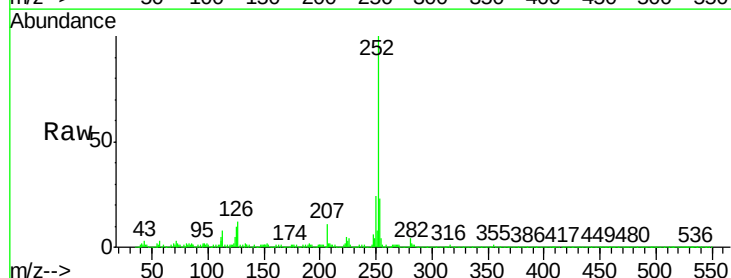
Tgt Ion:252 Resp: 617170

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

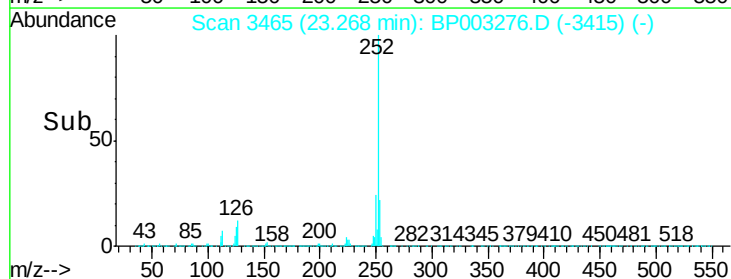
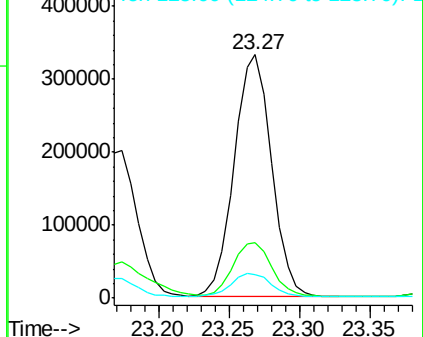
125 9.7 8.2 12.4

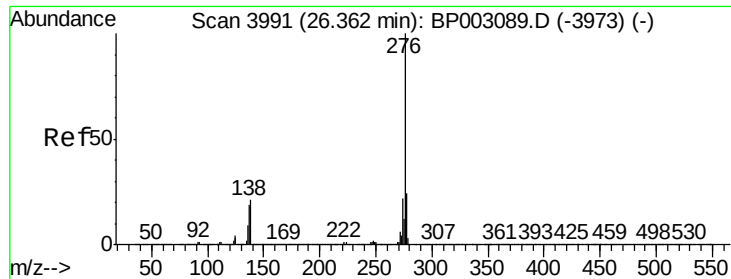


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.519 ng

RT: 26.33 min Scan# 3985

Delta R.T. -0.01 min

Lab File: BP003276.D

Acq: 14 Sep 2020 19:31

Instrument :

BNA_P

ClientSampleId :

PAV-B38-091120-0-10

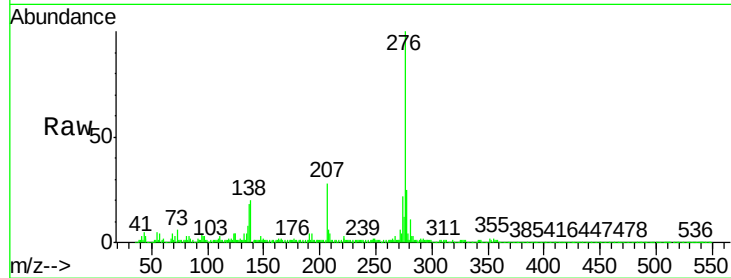
Tot Ion: 276 Resp: 441187

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 19.8 16.6 24.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

