

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090220\
 Data File : BP003192.D
 Acq On : 02 Sep 2020 18:11
 Operator : CG/JU
 Sample : L3826-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P-2-(0.0-0.5)

Quant Time: Sep 02 18:40:42 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	7.65	152	186881	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	792668	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	517611	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1173597	20.00	ng	0.00
76) Chrysene-d12	21.15	240	1212215	20.00	ng	0.00
86) Perylene-d12	23.38	264	1287855	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	927300	87.73	ng	0.00
7) Phenol-d6	6.84	99	1143916	86.33	ng	0.00
23) Nitrobenzene-d5	8.80	82	687789	62.55	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	650981	92.99	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	1710577	48.40	ng	0.00
79) Terphenyl-d14	19.63	244	2320077	42.11	ng	0.00

Target Compounds

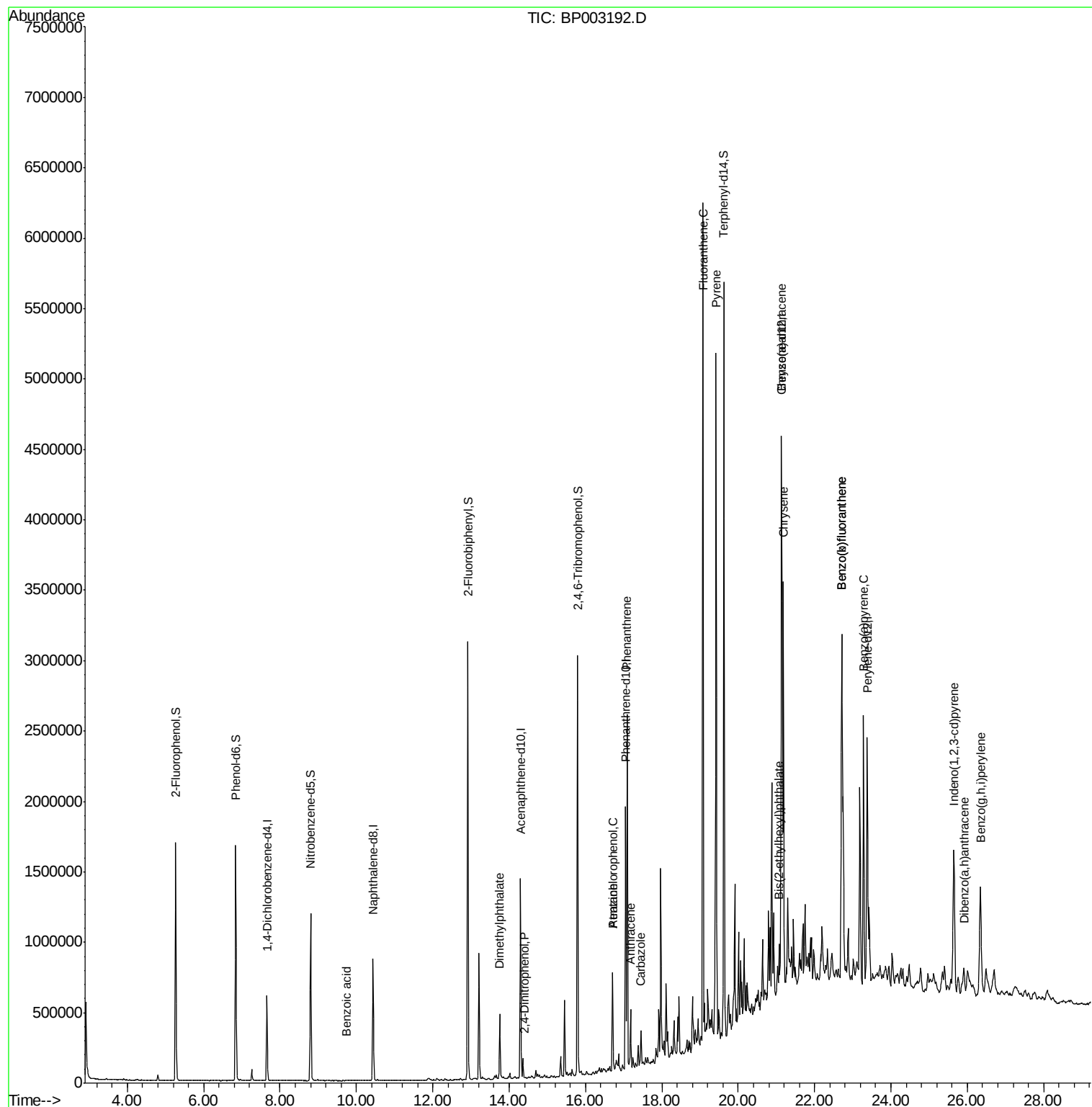
						Qvalue
32) Benzoic acid	9.73	122	1452	9.155	ng	# 80
50) Dimethylphthalate	13.75	163	339658	8.605	ng	100
54) 2,4-Dinitrophenol	14.40	184	25	7.760	ng	# 1
69) Atrazine	16.71	200	23367	2.019	ng	# 38
70) Pentachlorophenol	16.71	266	137048	18.585	ng	98
71) Phenanthrene	17.09	178	1542651	24.258	ng	99
72) Anthracene	17.18	178	249985	4.107	ng	100
73) Carbazole	17.45	167	149372	2.557	ng	100
75) Fluoranthene	19.07	202	3610160	49.119	ng	99
78) Pyrene	19.42	202	2988241	37.982	ng	99
81) Benzo(a)anthracene	21.13	228	1592317	20.970	ng	98
83) Chrysene	21.18	228	1627440	22.385	ng	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	129497	2.768	ng	100
87) Indeno(1,2,3-cd)pyrene	25.64	276	1005310	10.467	ng	96
88) Benzo(b)fluoranthene	22.71	252	2182724	27.269	ng	98
89) Benzo(k)fluoranthene	22.71	252	2182724	28.541	ng	98
90) Benzo(a)pyrene	23.28	252	1385501	18.658	ng	98
91) Dibenzo(a,h)anthracene	25.91	278	172533	2.187	ng	95
92) Benzo(a,h,i)perylene	26.34	276	962896	12.161	ng	99

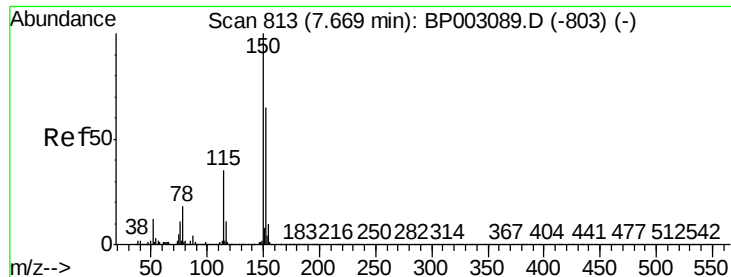
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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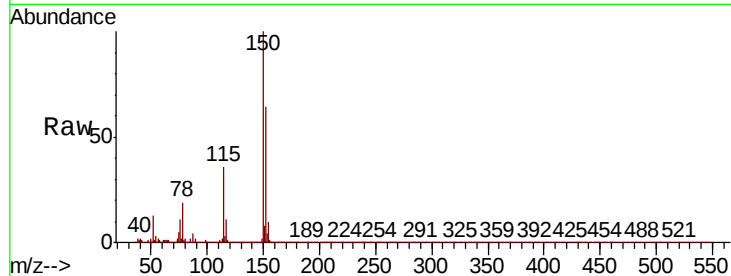


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

Instrument :
BNA_P
ClientSampleId :
P-2-(0.0-0.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.8	185.6
115	55.9	43.8	65.6

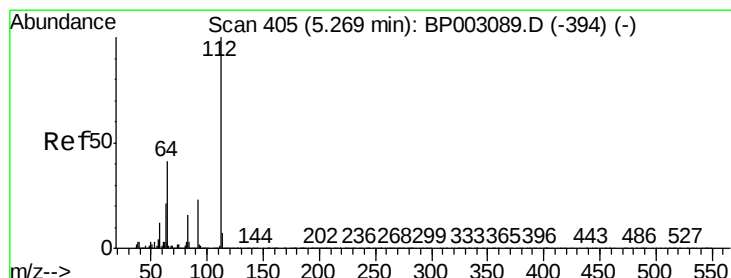
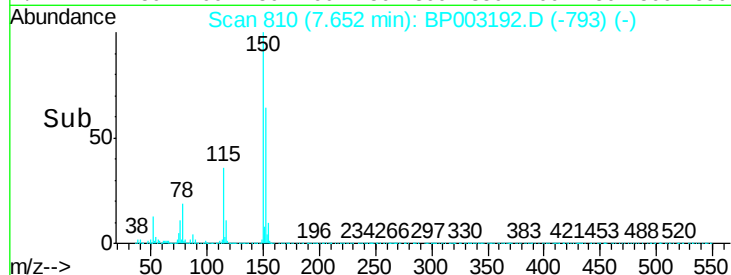
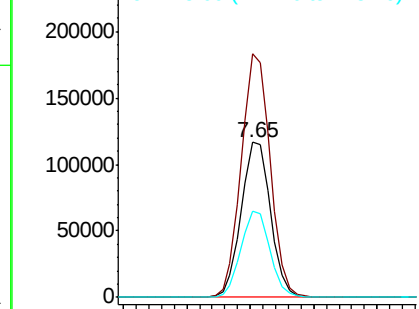


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

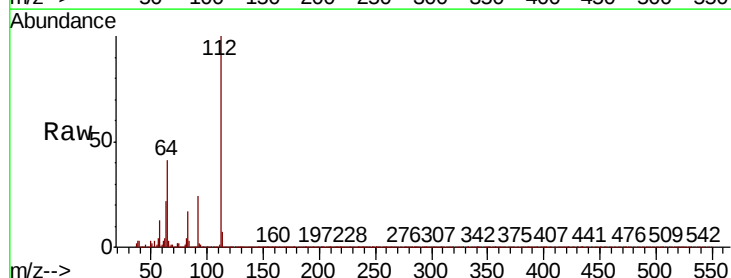
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.729 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.5	32.8	49.2
63	21.7	17.0	25.4

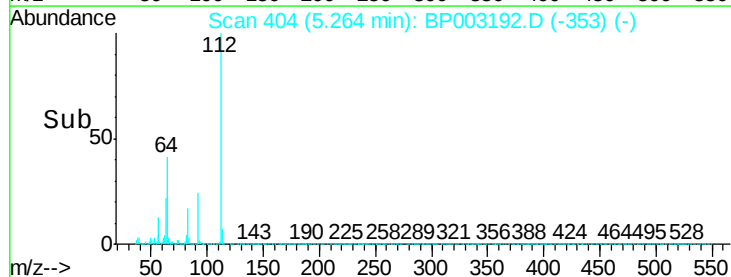
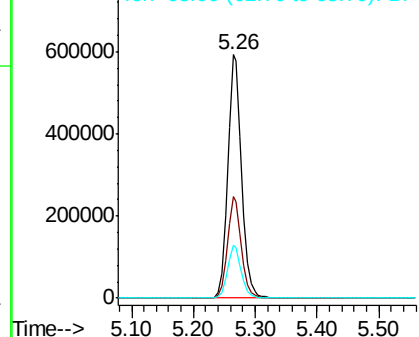


Abundance

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: 86.331 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Instrument :

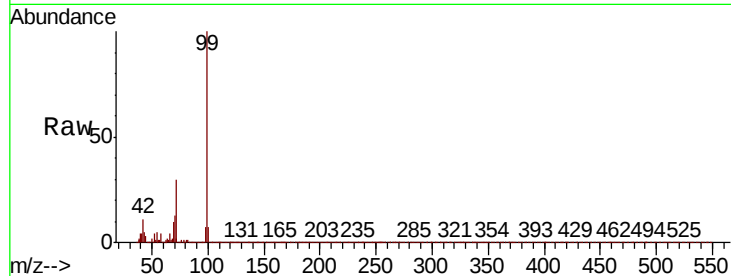
BNA_P

ClientSampleId :

P-2-(0.0-0.5)

Tot Ion: 99 Resp: 1143916

Ion	Ratio	Lower	Upper
99	100		
42	10.9	8.6	13.0
71	29.6	23.4	35.2

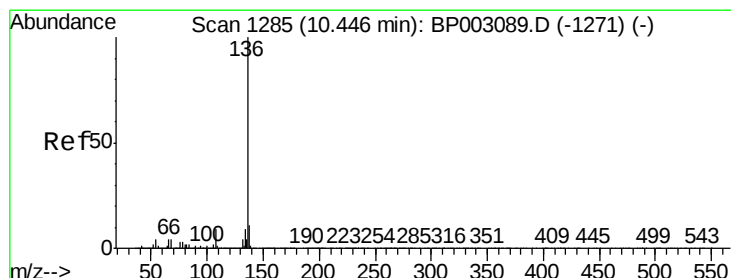
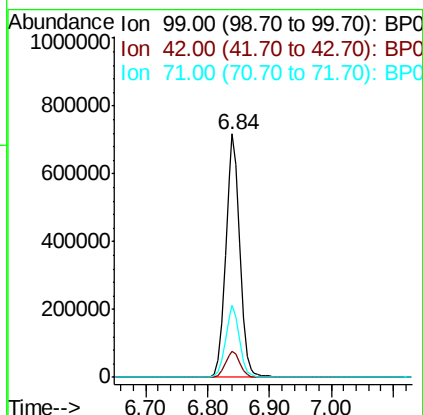
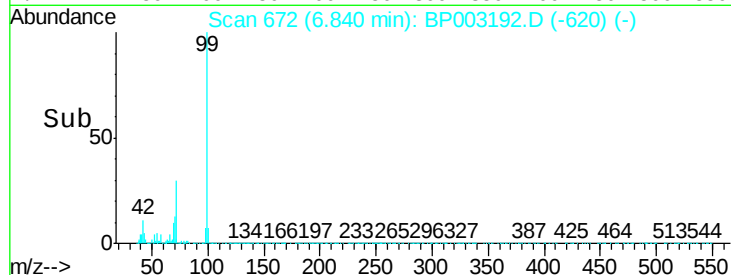


Abundance

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: 10.43 min Scan# 1283

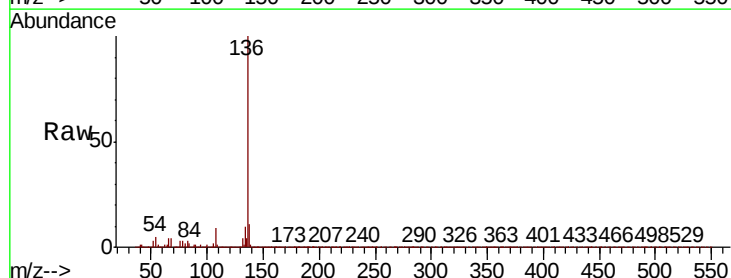
Delta R.T. -0.00 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Tgt Ion: 136 Resp: 792668

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	4.6	3.6	5.4
68	4.3	3.3	4.9



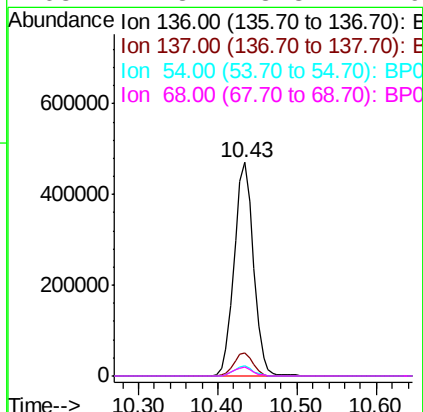
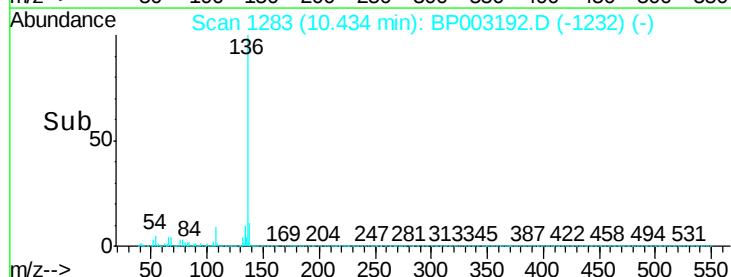
Abundance

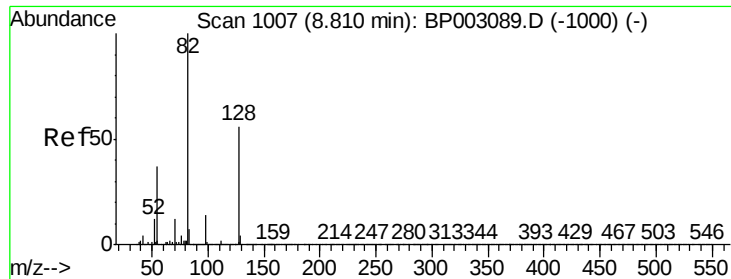
Ion 136.00 (135.70 to 136.70): E

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

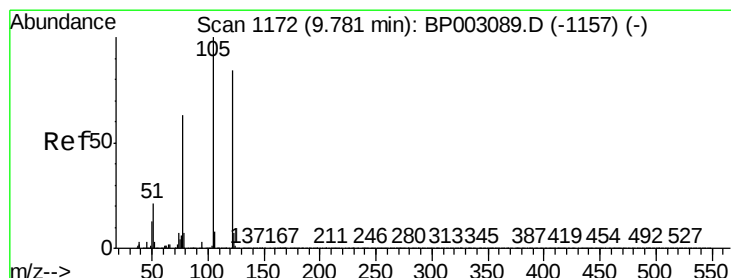
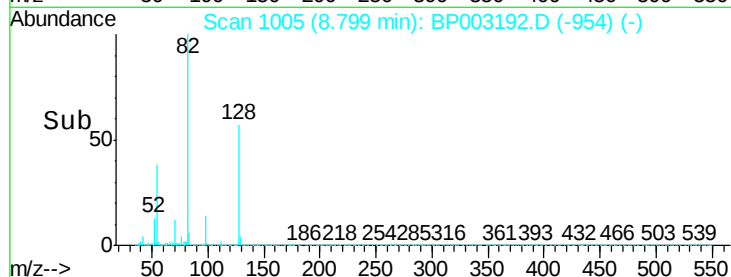
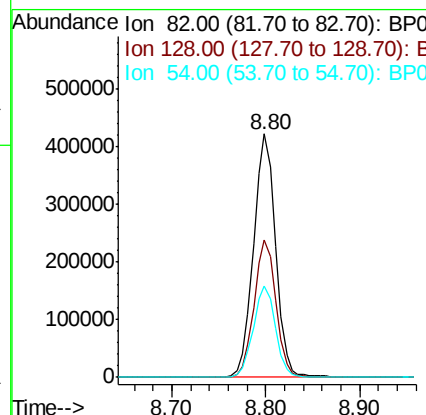
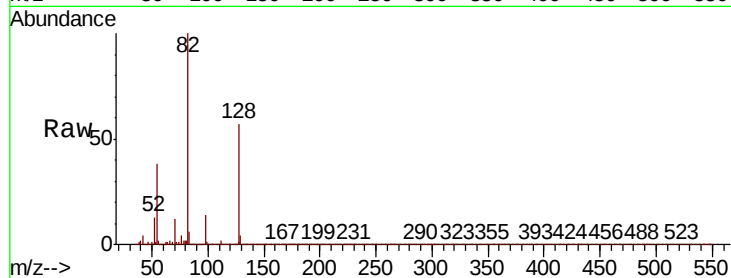




#23
 Nitrobenzene-d5
 Concen: 62.552 ng
 RT: 8.80 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BP003192.D
 Acq: 02 Sep 2020 18:11

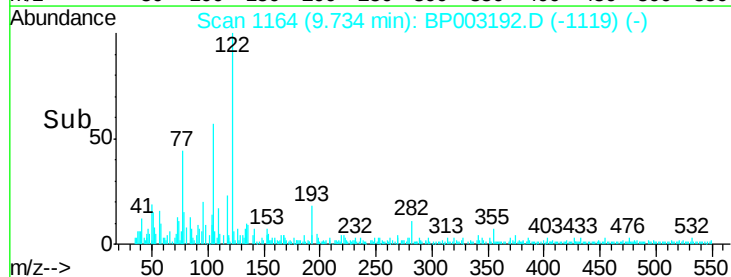
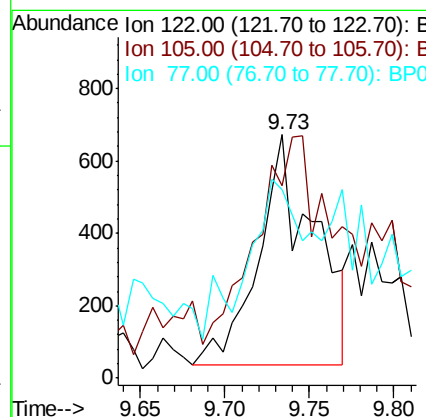
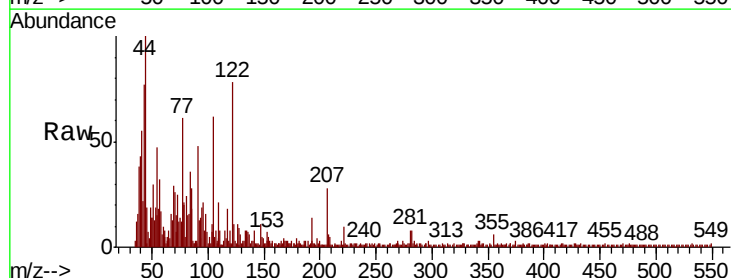
Instrument :
 BNA_P
 ClientSampleId :
 P-2-(0.0-0.5)

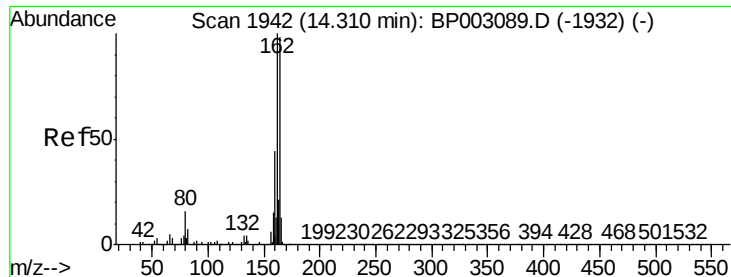
Tot Ion	82	Resp	687789
Ion Ratio	Lower	Upper	
82	100		
128	56.6	45.6	68.4
54	37.8	30.1	45.1



#32
 Benzoic acid
 Concen: 9.155 ng
 RT: 9.73 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BP003192.D
 Acq: 02 Sep 2020 18:11

Tgt Ion	122	Resp	1452
Ion Ratio	Lower	Upper	
122	100		
105	84.7	94.1	134.1#
77	77.7	50.1	90.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1940

Delta R.T. 0.01 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Instrument :

BNA_P

ClientSampleId :

P-2-(0.0-0.5)

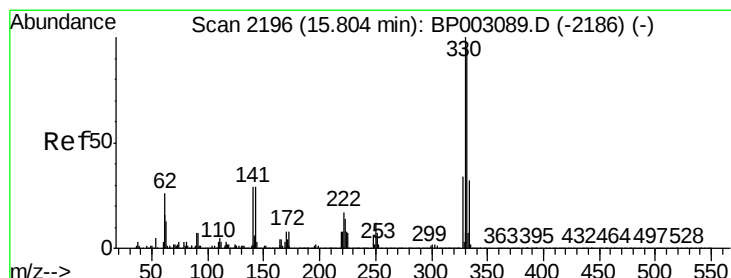
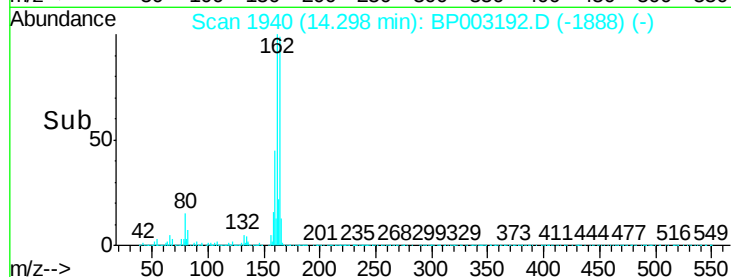
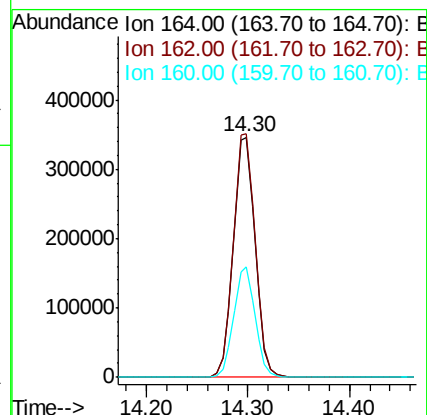
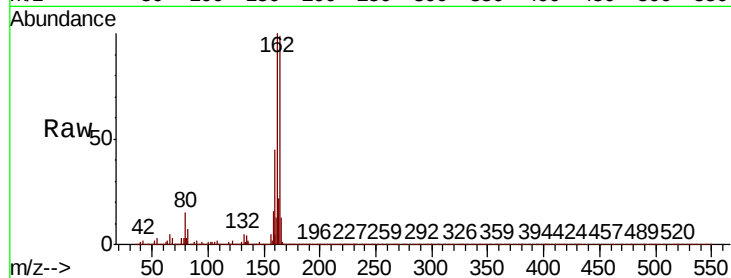
Tot Ion:164 Resp: 517611

Ion Ratio Lower Upper

164 100

162 101.4 79.4 119.2

160 46.1 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 92.990 ng

RT: 15.79 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

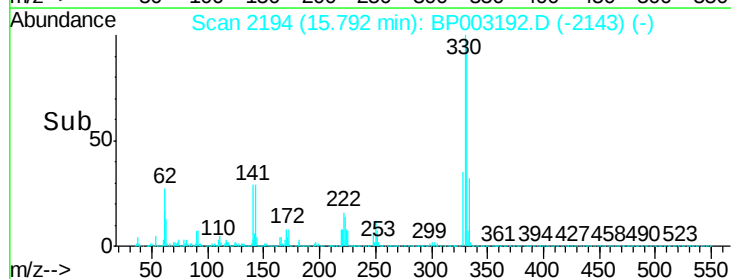
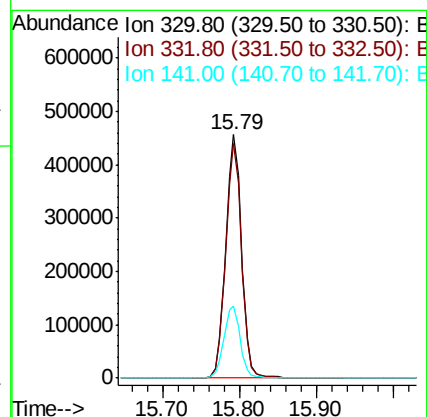
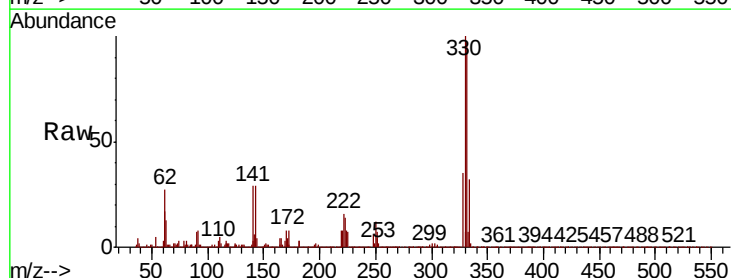
Tgt Ion:330 Resp: 650981

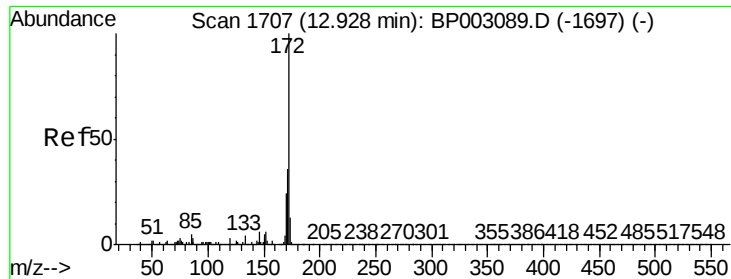
Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

141 30.1 23.4 35.2

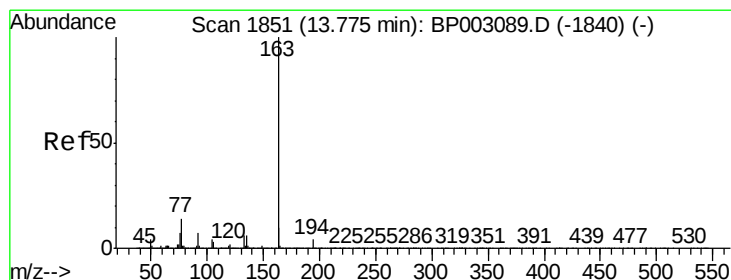
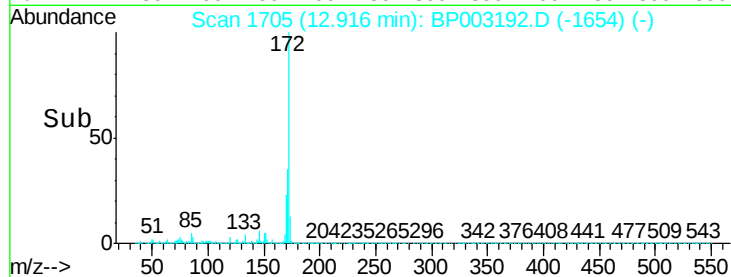
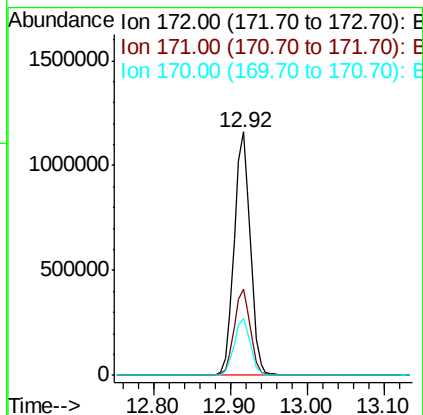
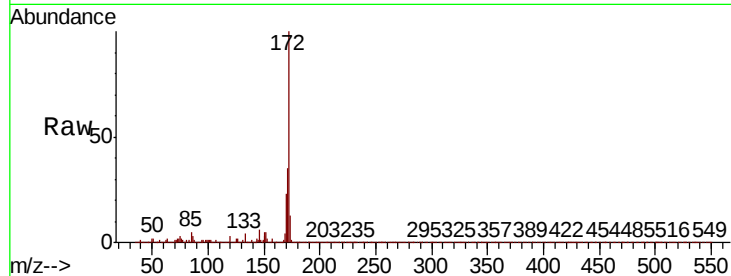




#45
2-Fluorobiphenyl
Concen: 48.397 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

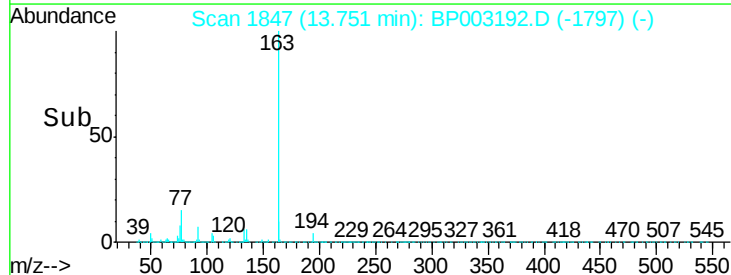
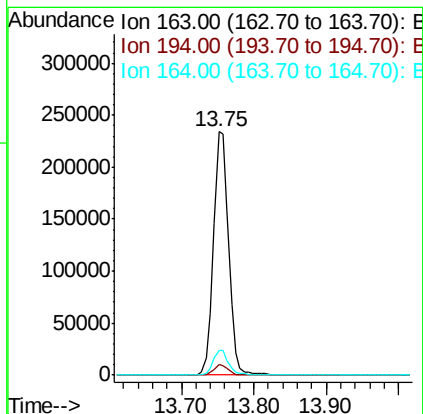
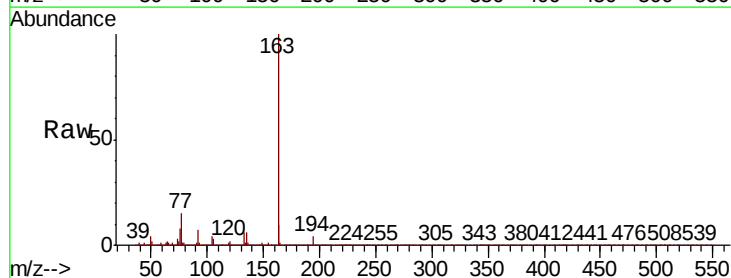
Instrument :
BNA_P
ClientSampleId :
P-2-(0.0-0.5)

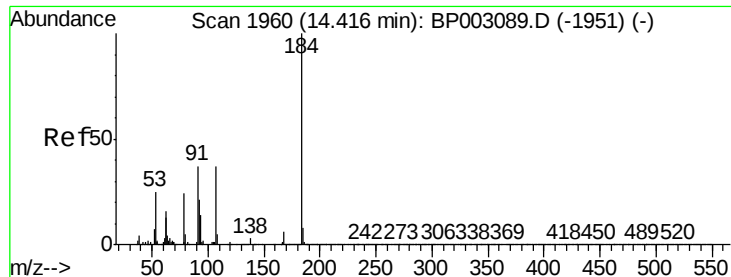
Tot Ion:172 Resp: 1710577
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.3 19.2 28.8



#50
Dimethylphthalate
Concen: 8.605 ng
RT: 13.75 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

Tgt Ion:163 Resp: 339658
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.2 8.2 12.2

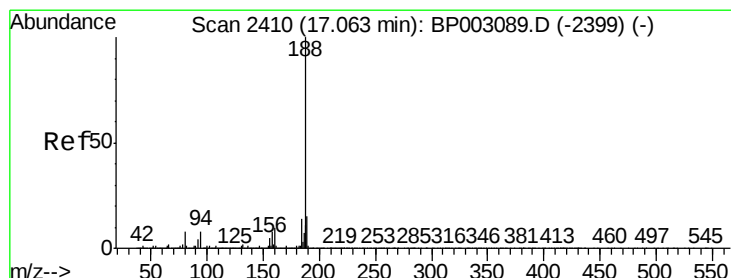
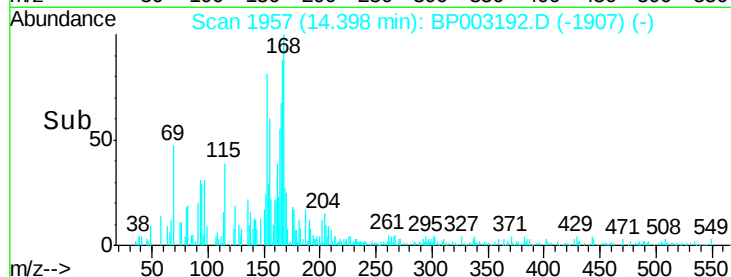
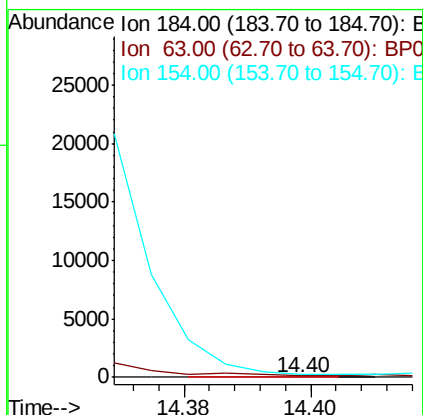
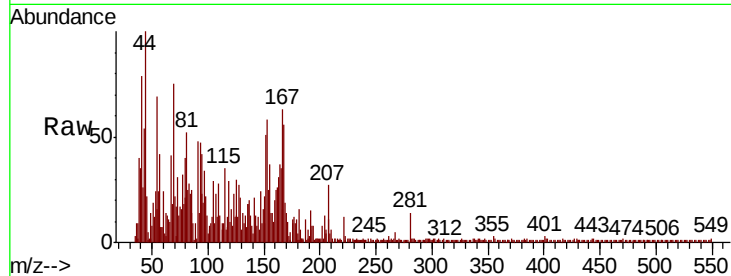




#54
2,4-Dinitrophenol
Concen: 7.760 ng
RT: 14.40 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

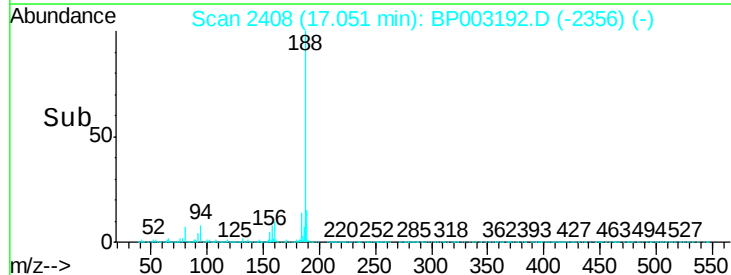
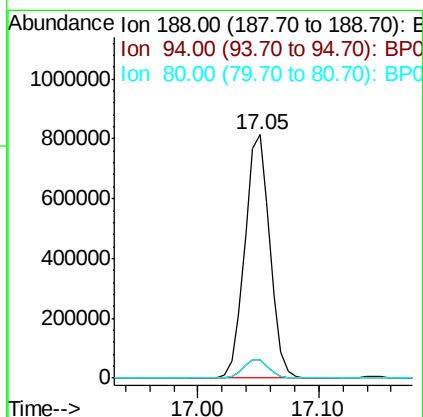
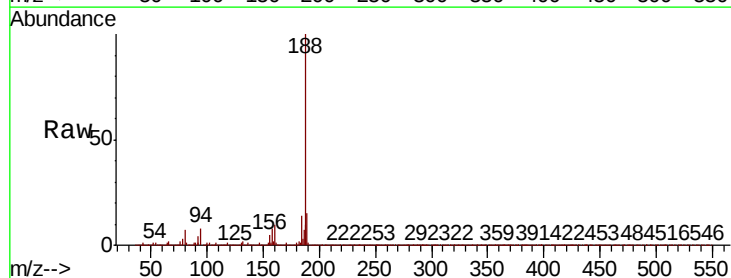
Instrument :
BNA_P
ClientSampled :
P-2-(0.0-0.5)

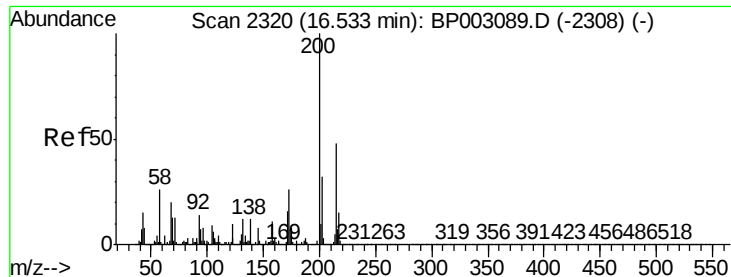
Tot Ion:184 Resp: 25
Ion Ratio Lower Upper
184 100
63 523.3 32.3 48.5#
154 950.0 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

Tgt Ion:188 Resp: 1173597
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 7.5 6.2 9.2





#69

Atrazine

Concen: 2.019 ng

RT: 16.71 min Scan# 2350

Delta R.T. 0.19 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Instrument :

BNA_P

ClientSampleId :

P-2-(0.0-0.5)

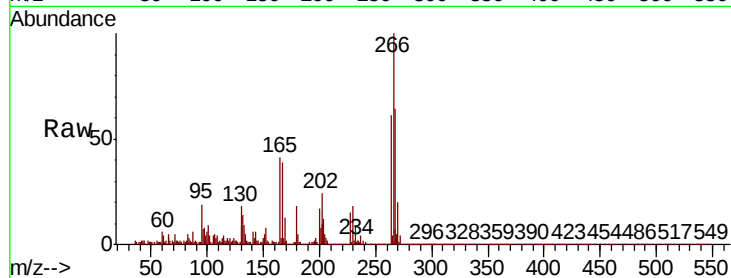
Tot Ion:200 Resp: 23367

Ion Ratio Lower Upper

200 100

173 2.0 5.9 45.9#

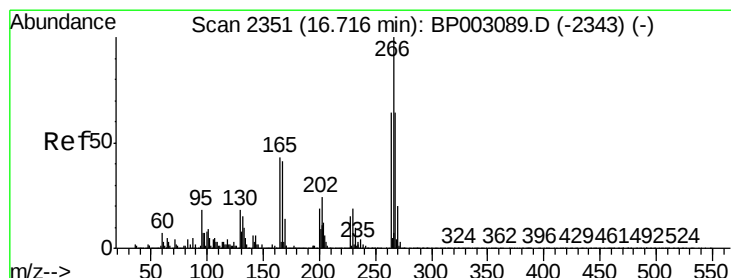
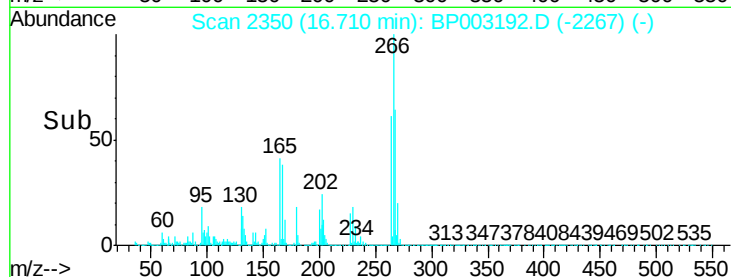
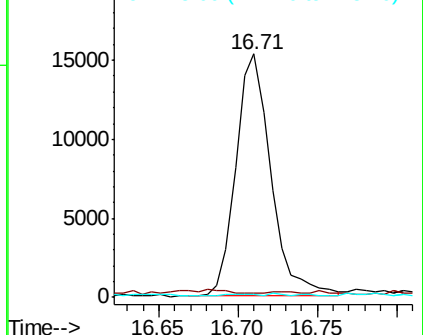
215 1.4 28.4 68.4#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 18.585 ng

RT: 16.71 min Scan# 2350

Delta R.T. 0.01 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

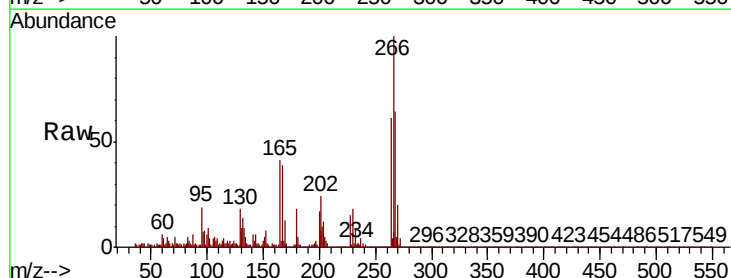
Tgt Ion:266 Resp: 137048

Ion Ratio Lower Upper

266 100

268 63.6 51.1 76.7

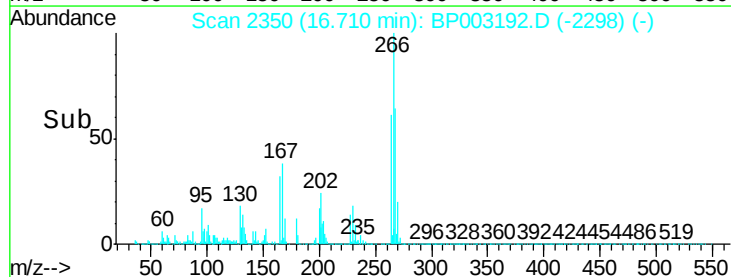
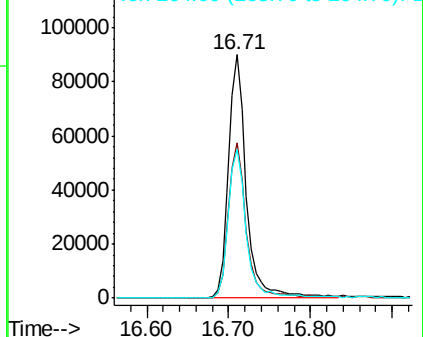
264 61.1 50.6 76.0

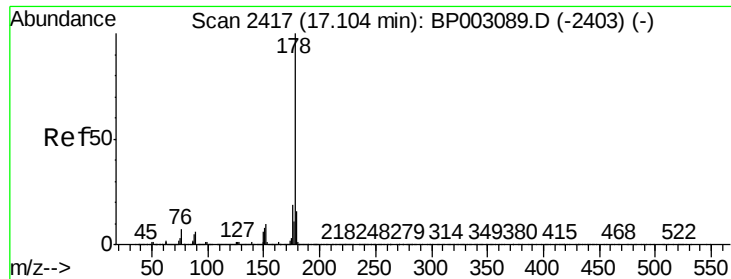


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

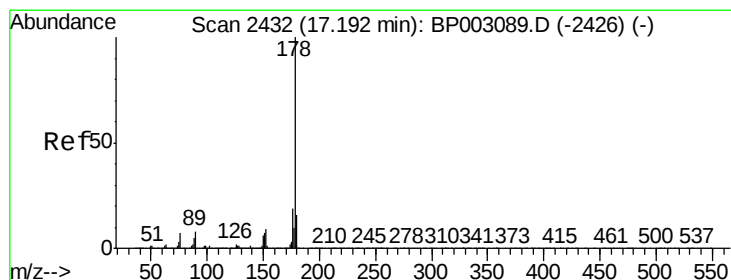
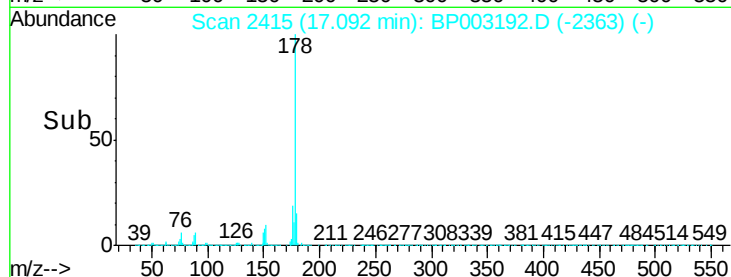
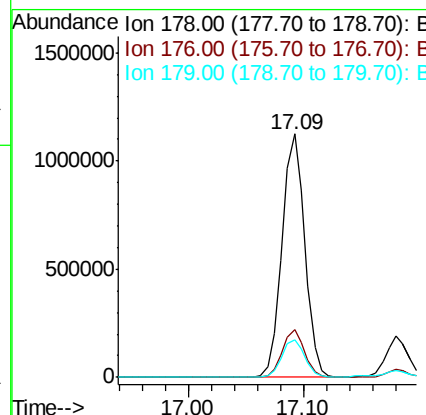
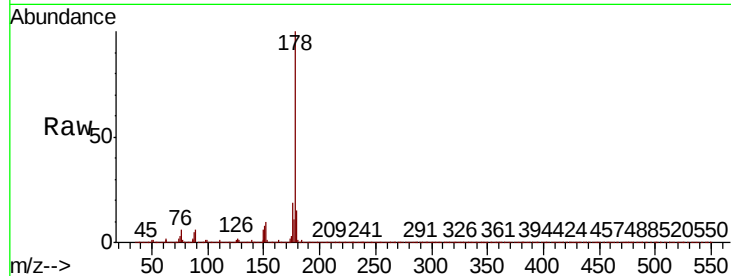




#71
Phenanthrene
Concen: 24.258 ng
RT: 17.09 min Scan# 2415
Delta R.T. 0.01 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

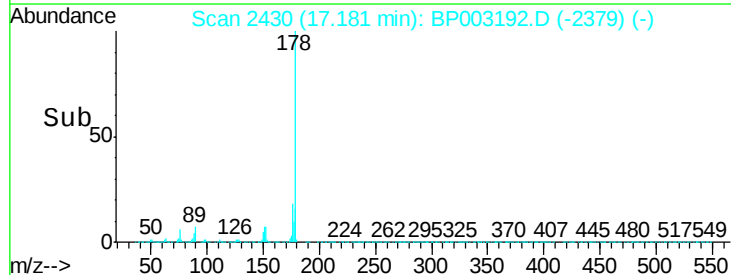
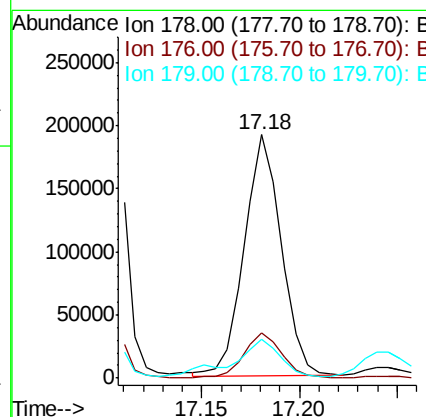
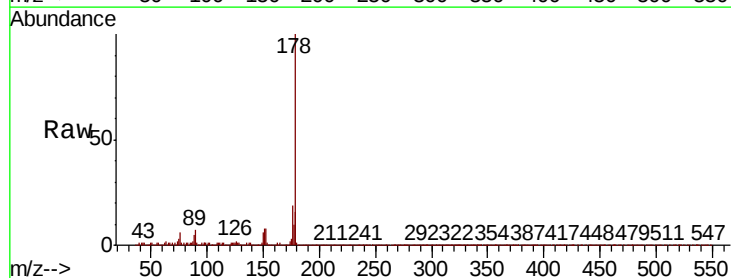
Instrument :
BNA_P
ClientSampleId :
P-2-(0.0-0.5)

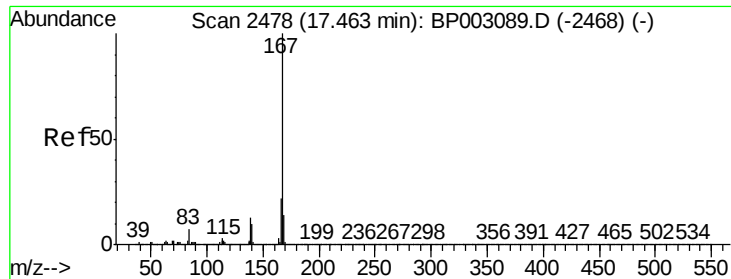
Tot Ion:178 Resp: 1542651
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 4.107 ng
RT: 17.18 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

Tgt Ion:178 Resp: 249985
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.8 12.5 18.7

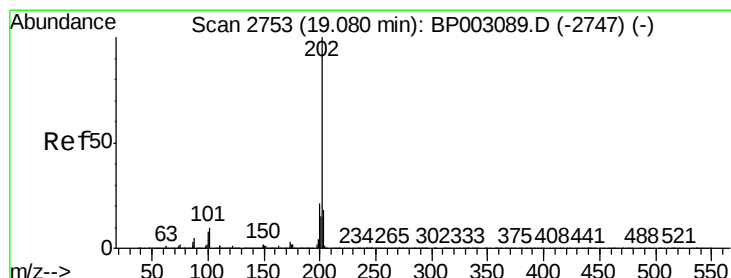
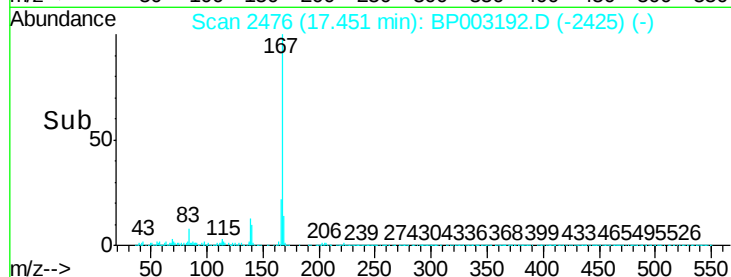
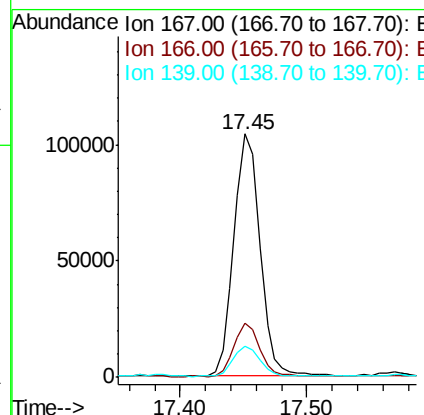
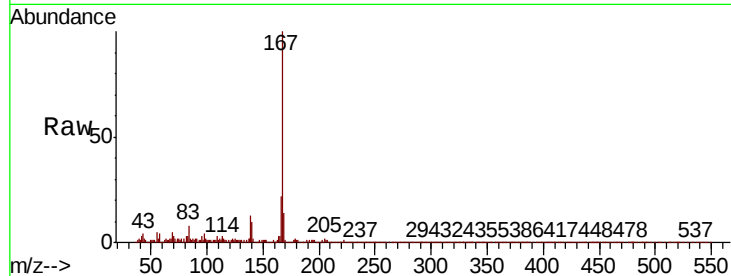




#73
 Carbazole
 Concen: 2.557 ng
 RT: 17.45 min Scan# 2476
 Delta R.T. -0.00 min
 Lab File: BP003192.D
 Acq: 02 Sep 2020 18:11

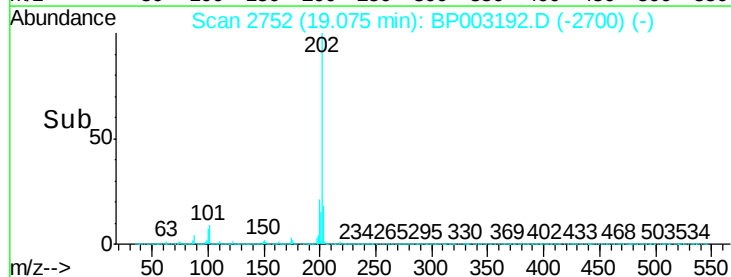
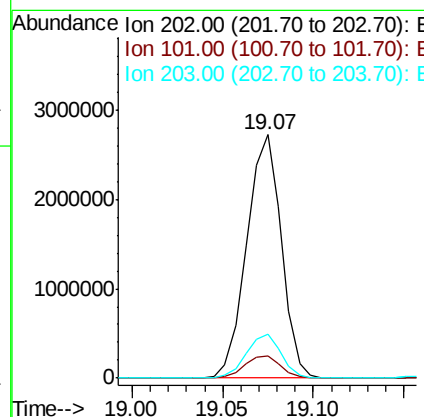
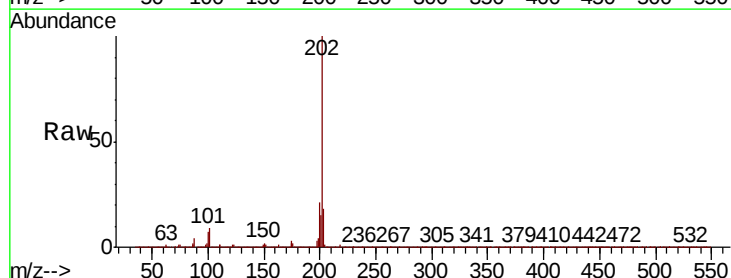
Instrument :
 BNA_P
 ClientSampleId :
 P-2-(0.0-0.5)

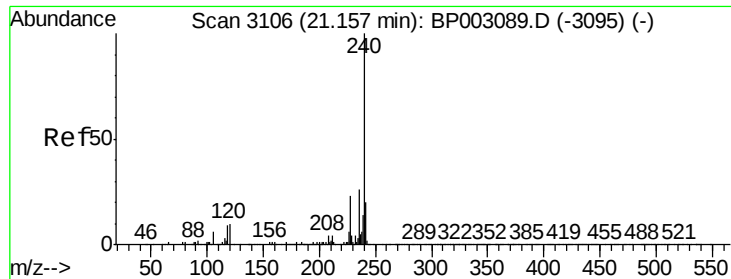
Tot Ion	167	Resp	149372
Ion Ratio	100	Lower	Upper
166	22.2	17.6	26.4
139	13.0	10.2	15.4



#75
 Fluoranthene
 Concen: 49.119 ng
 RT: 19.07 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BP003192.D
 Acq: 02 Sep 2020 18:11

Tgt Ion	202	Resp	3610160
Ion Ratio	100	Lower	Upper
101	9.1	0.0	29.4
203	18.0	0.0	37.8

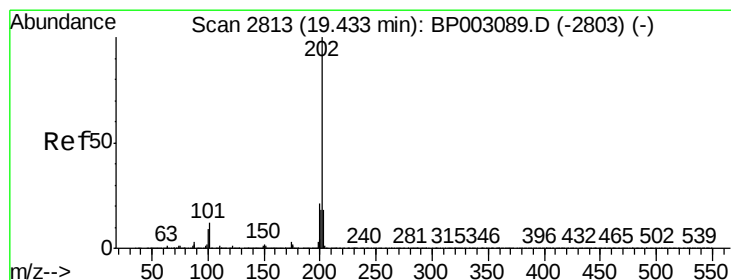
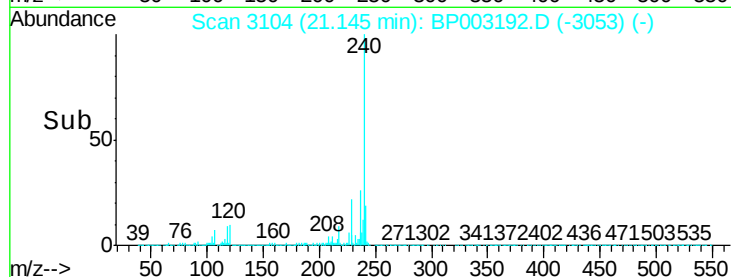
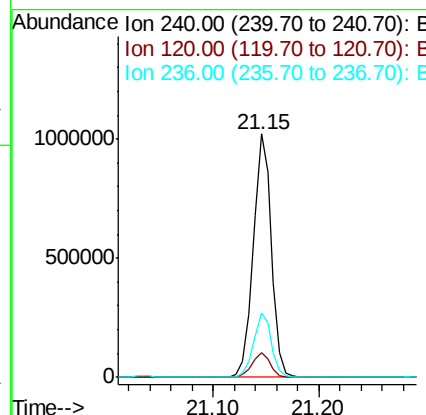
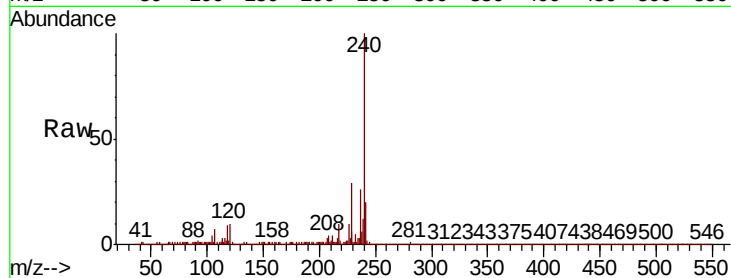




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

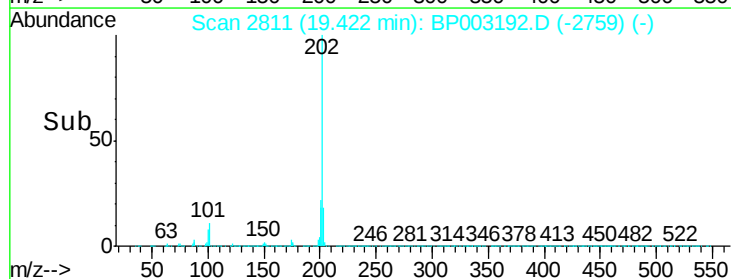
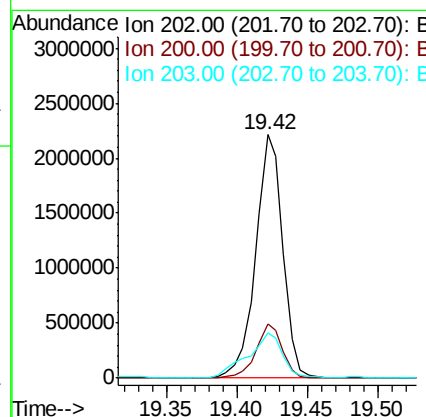
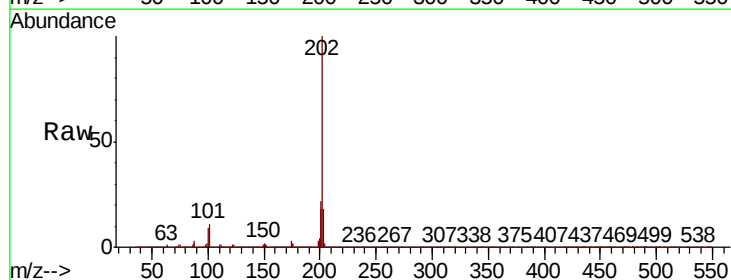
Instrument :
BNA_P
ClientSampleId :
P-2-(0.0-0.5)

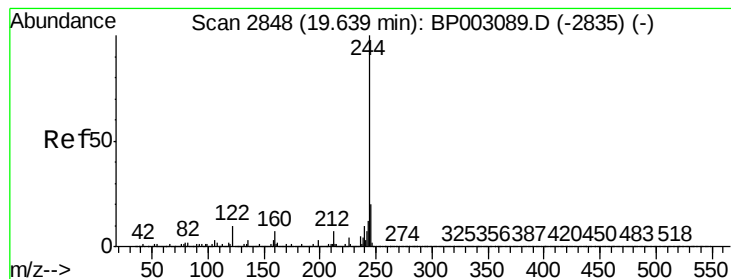
Tot Ion:240 Resp: 1212215
Ion Ratio Lower Upper
240 100
120 9.9 7.8 11.6
236 26.3 20.8 31.2



#78
Pyrene
Concen: 37.982 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

Tgt Ion:202 Resp: 2988241
Ion Ratio Lower Upper
202 100
200 22.0 17.1 25.7
203 18.4 14.2 21.2





#79

Terphenyl-d14

Concen: 42.114 ng

RT: 19.63 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Instrument :

BNA_P

ClientSampleId :

P-2-(0.0-0.5)

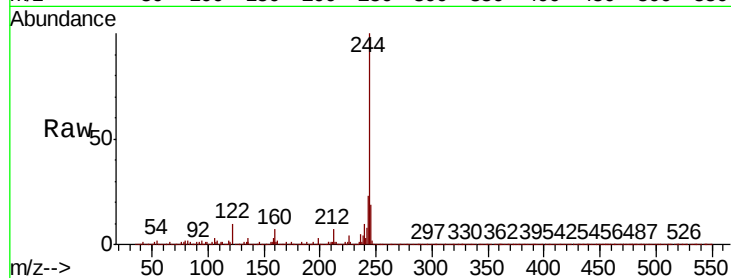
Tot Ion:244 Resp: 2320077

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

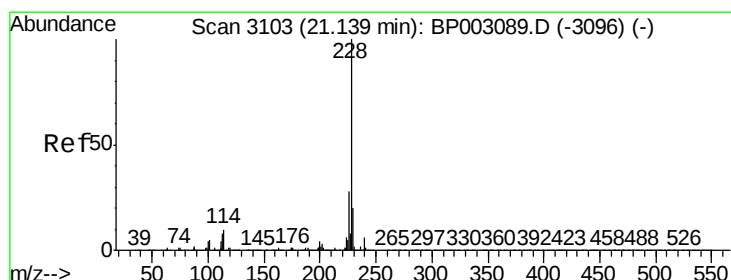
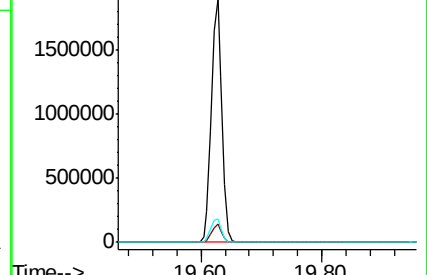
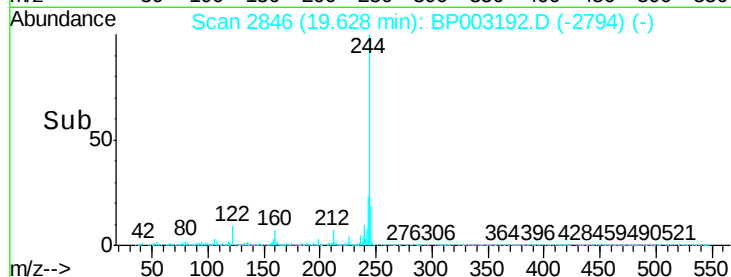
122 9.5 7.8 11.8



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: 20.970 ng

RT: 21.13 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

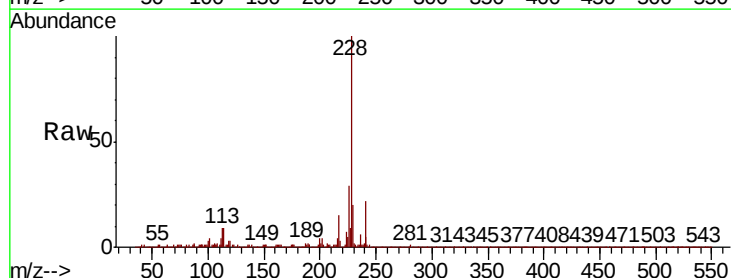
Tgt Ion:228 Resp: 1592317

Ion Ratio Lower Upper

228 100

226 28.8 22.1 33.1

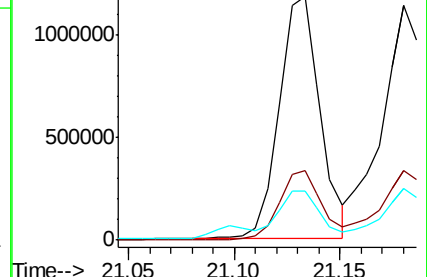
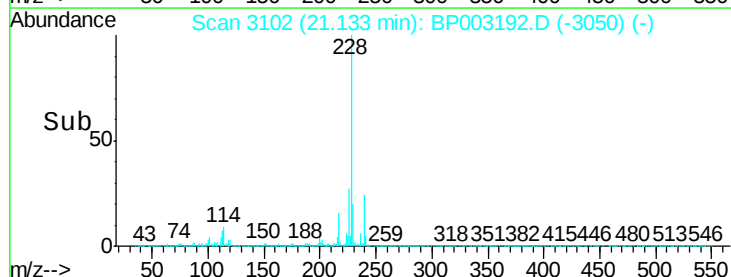
229 20.3 15.9 23.9

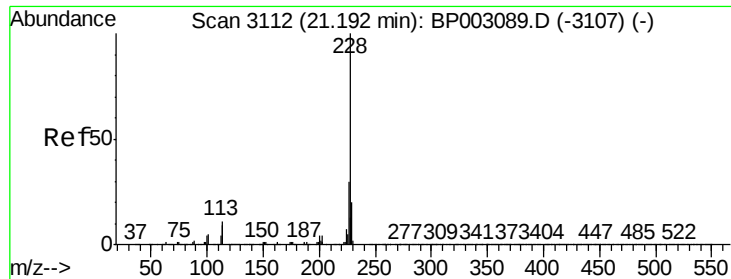


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 22.385 ng

RT: 21.18 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Instrument :

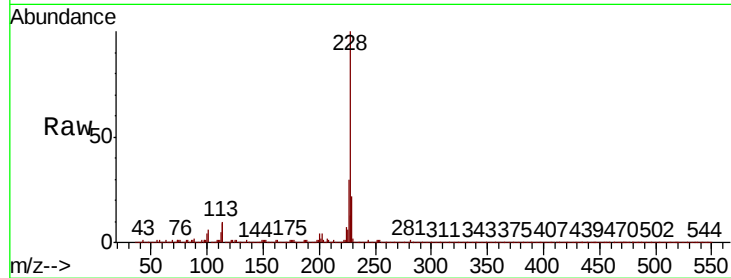
BNA_P

ClientSampleId :

P-2-(0.0-0.5)

Tot Ion:228 Resp: 1627440

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	21.9	15.8	23.6

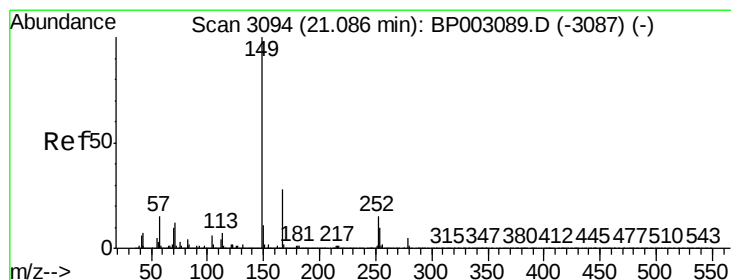
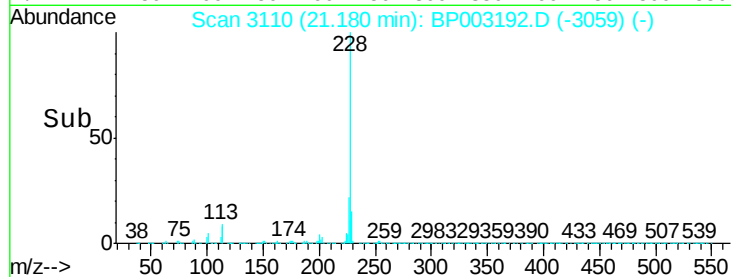
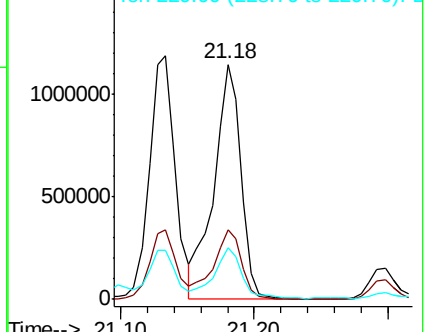


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.768 ng

RT: 21.07 min Scan# 3092

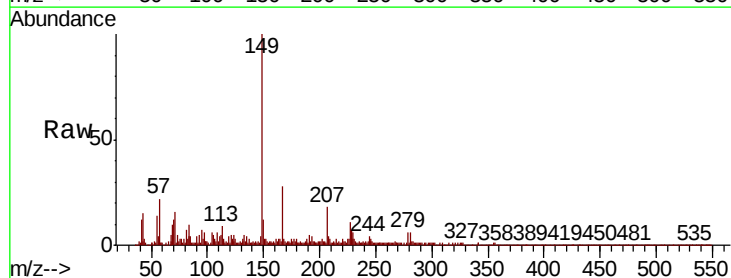
Delta R.T. -0.00 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Tgt Ion:149 Resp: 129497

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.6	34.0
279	5.6	4.2	6.2

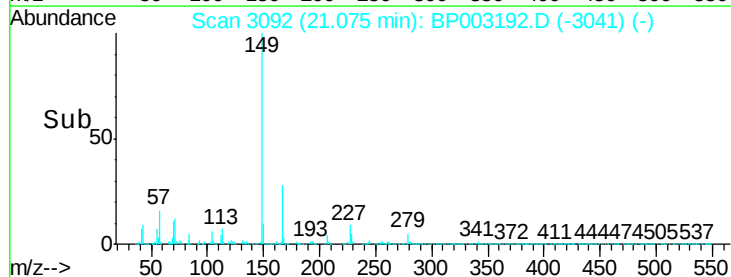
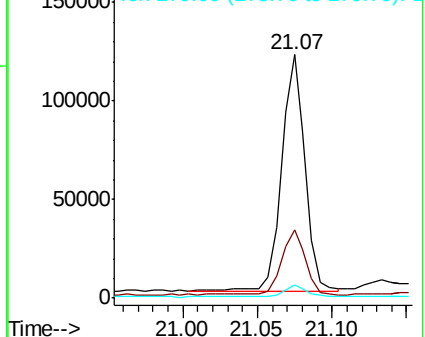


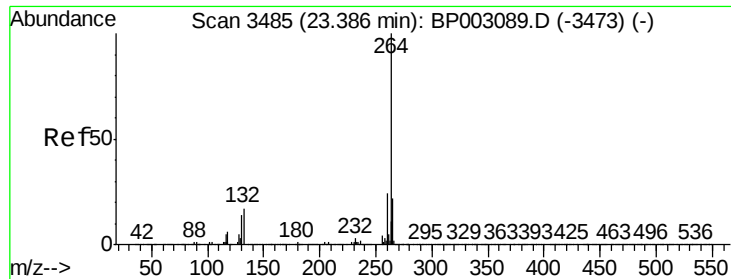
Abundance

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



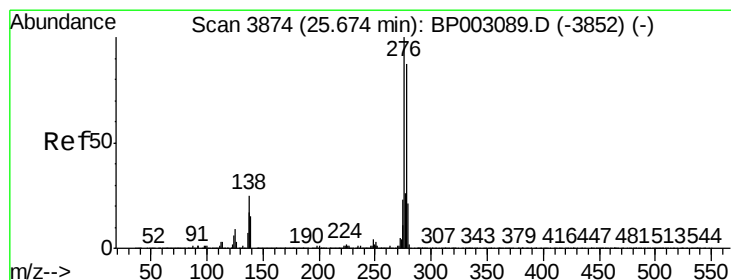
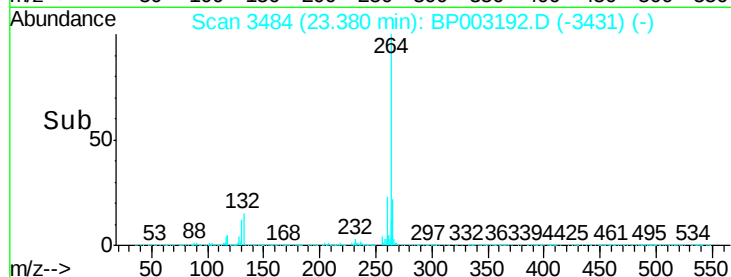
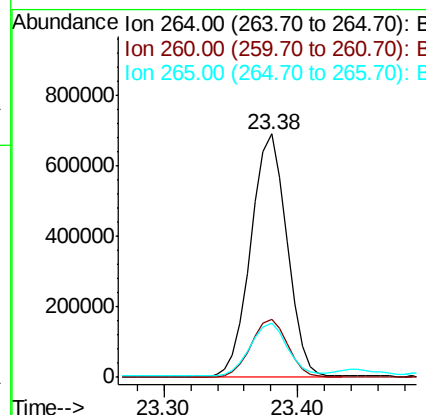
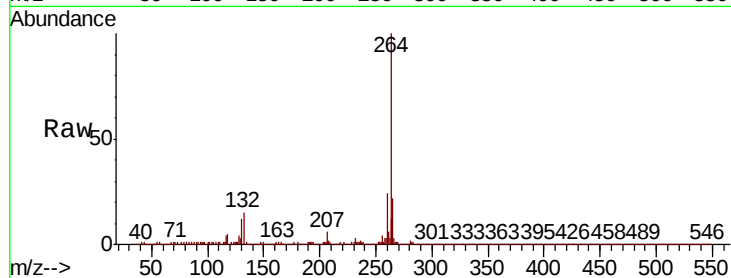


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

Instrument :
BNA_P
ClientSampleId :
P-2-(0.0-0.5)

Tot Ion:264 Resp: 1287855

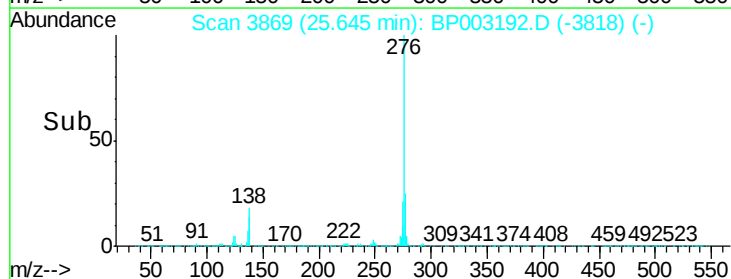
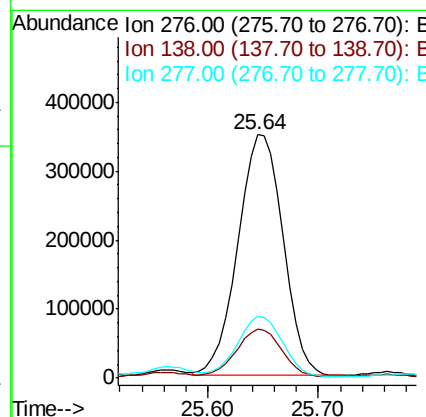
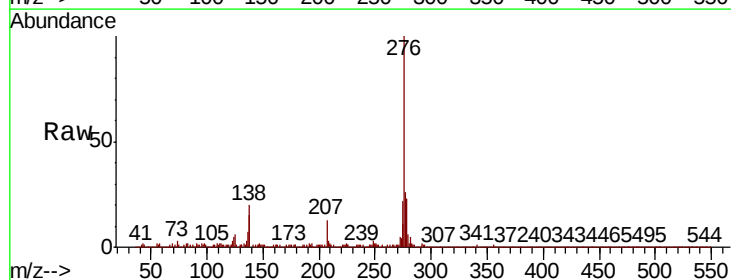
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.0	17.4	26.2

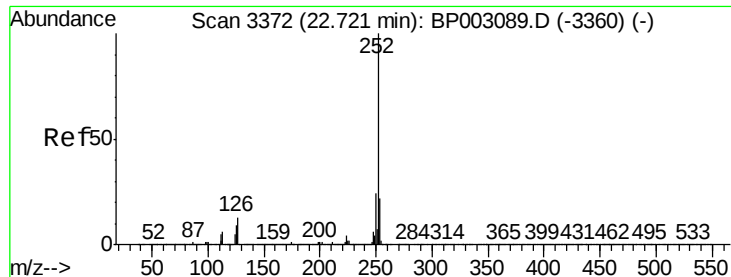


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.467 ng
RT: 25.64 min Scan# 3869
Delta R.T. -0.00 min
Lab File: BP003192.D
Acq: 02 Sep 2020 18:11

Tgt Ion:276 Resp: 1005310

Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.7	28.1
277	25.1	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 27.269 ng

RT: 22.71 min Scan# 3370

Delta R.T. 0.01 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Instrument :

BNA_P

ClientSampleId :

P-2-(0.0-0.5)

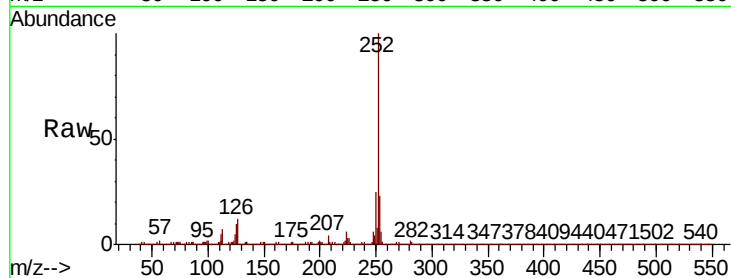
Tot Ion:252 Resp: 2182724

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

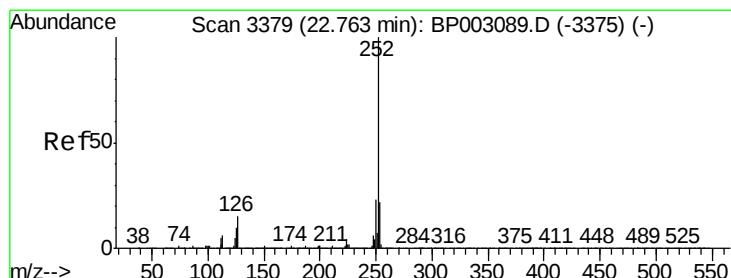
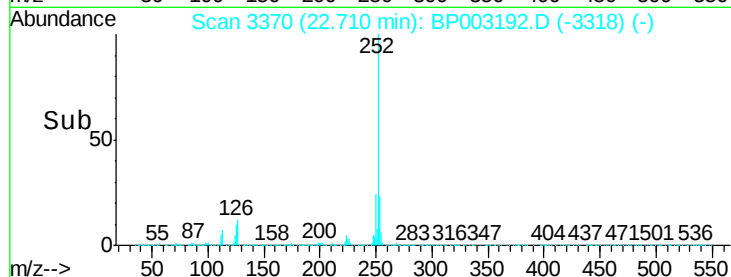
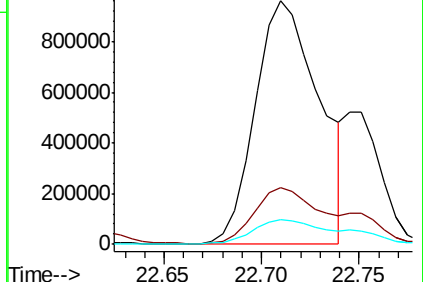
125 10.0 7.3 10.9



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



#89

Benzo(k)fluoranthene

Concen: 28.541 ng

RT: 22.71 min Scan# 3370

Delta R.T. -0.04 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

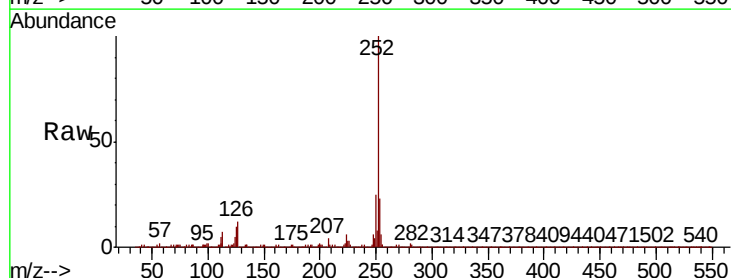
Tgt Ion:252 Resp: 2182724

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

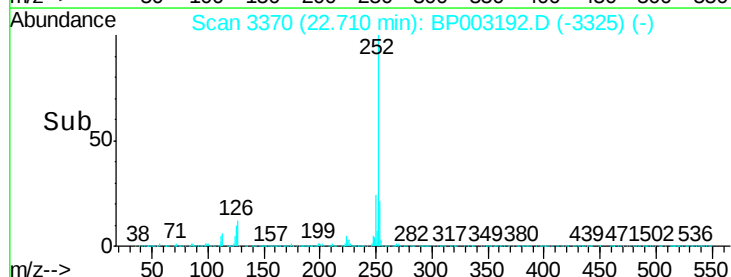
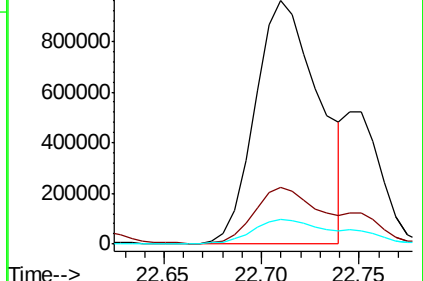
125 10.0 7.4 11.2

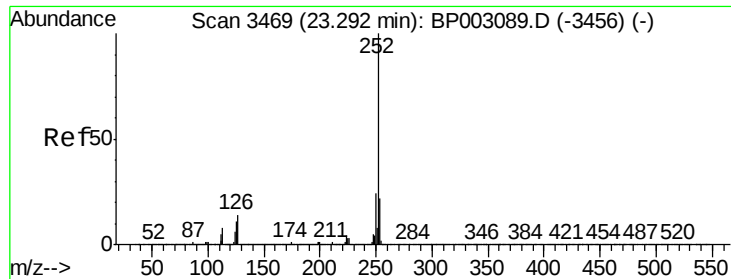


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.658 ng

RT: 23.28 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Instrument :

BNA_P

ClientSampled :

P-2-(0.0-0.5)

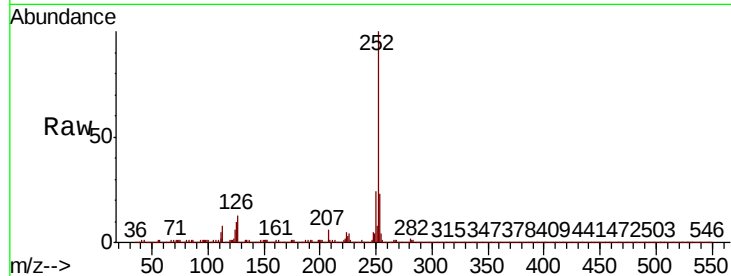
Tot Ion:252 Resp: 1385501

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

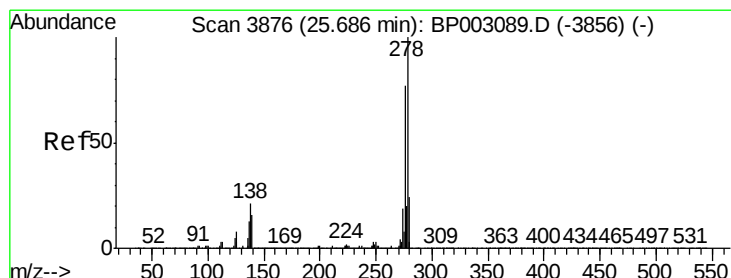
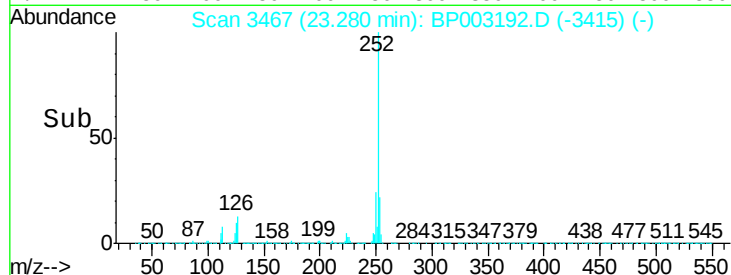
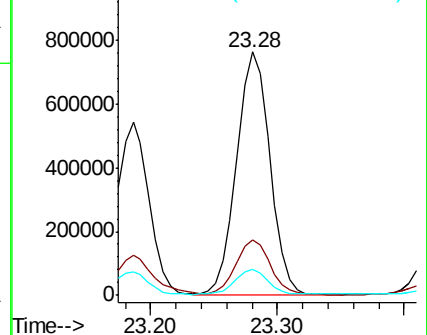
125 10.5 8.2 12.4



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



#91

Dibenzo(a,h)anthracene

Concen: 2.187 ng

RT: 25.91 min Scan# 3914

Delta R.T. 0.25 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

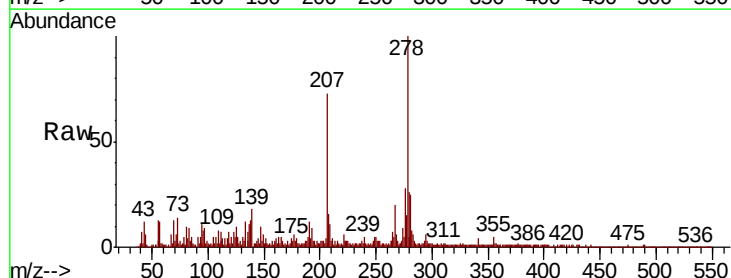
Tgt Ion:278 Resp: 172533

Ion Ratio Lower Upper

278 100

139 18.0 12.4 18.6

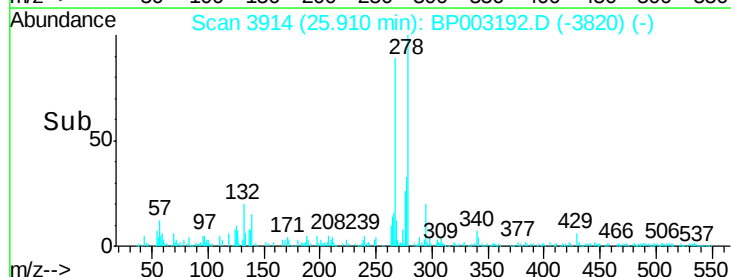
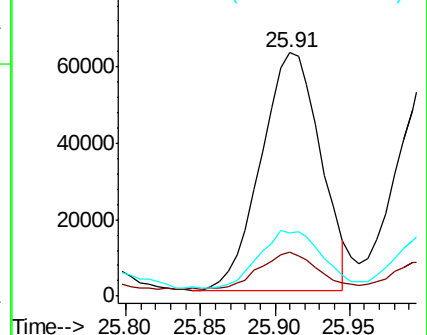
279 25.8 19.0 28.6

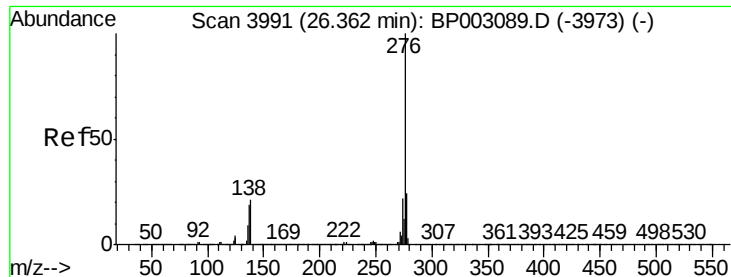


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 12.161 ng

RT: 26.34 min Scan# 3988

Delta R.T. 0.01 min

Lab File: BP003192.D

Acq: 02 Sep 2020 18:11

Instrument :

BNA_P

ClientSampleId :

P-2-(0.0-0.5)

Tot Ion: 276 Resp: 962896

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 20.2 16.6 24.8

