

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003284.D
 Acq On : 15 Sep 2020 00:02
 Operator : CG/JU
 Sample : L3981-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B18-0-2

Quant Time: Sep 15 01:40:40 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	176877	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	645502	20.00	ng	-0.01
39) Acenaphthene-d10	14.29	164	345352	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	658911	20.00	ng	0.00
76) Chrysene-d12	21.14	240	700979	20.00	ng	0.00
86) Perylene-d12	23.38	264	820598	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	377452	37.73	ng	0.00
7) Phenol-d6	6.84	99	506320	40.37	ng	0.00
23) Nitrobenzene-d5	8.79	82	275297	30.75	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	389609	83.41	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	1091103	46.27	ng	-0.01
79) Terphenyl-d14	19.62	244	1668804	52.39	ng	0.00

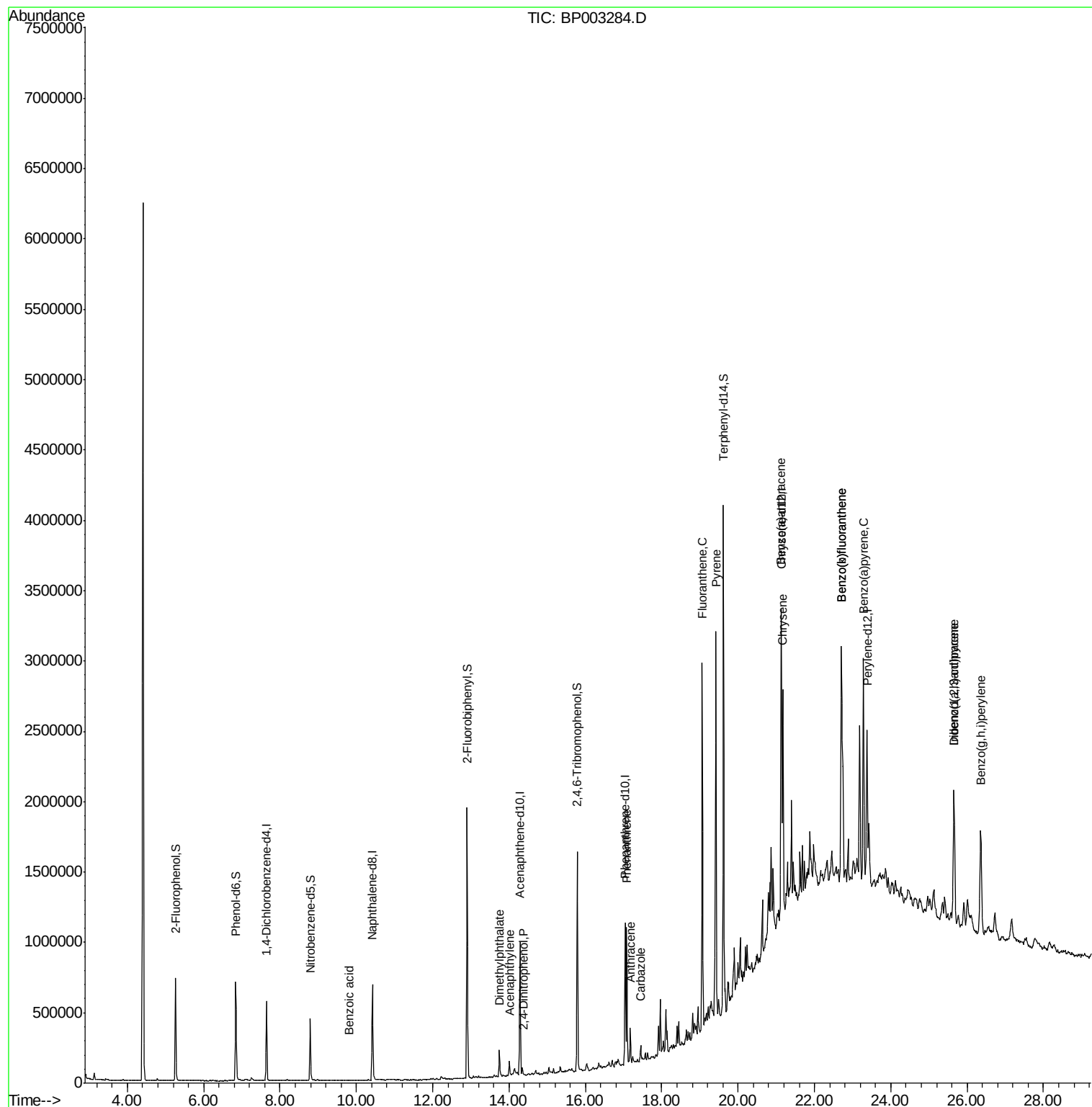
Target Compounds				Qvalue		
32) Benzoic acid	9.81	122	252	9.030	ng	95
49) Acenaphthylene	14.01	152	100198	3.125	ng	100
50) Dimethylphthalate	13.75	163	137394	5.217	ng	99
54) 2,4-Dinitrophenol	14.38	184	60	7.773	ng	# 1
71) Phenanthrene	17.09	178	632460	17.714	ng	99
72) Anthracene	17.17	178	167434	4.900	ng	99
73) Carbazole	17.45	167	77392	2.360	ng	98
75) Fluoranthene	19.06	202	1639329	39.726	ng	99
78) Pyrene	19.42	202	1720579	37.819	ng	99
81) Benzo(a)anthracene	21.13	228	956296	21.779	ng	97
83) Chrysene	21.17	228	974650	23.184	ng	98
87) Indeno(1,2,3-cd)pyrene	25.66	276	975512	15.941	ng	# 93
88) Benzo(b)fluoranthene	22.71	252	2116690	41.501	ng	98
89) Benzo(k)fluoranthene	22.71	252	2116690	43.437	ng	99
90) Benzo(a)pyrene	23.28	252	1180977	24.959	ng	97
91) Dibenzo(a,h)anthracene	25.66	278	255526	5.083	ng	94
92) Benzo(a,h,i)perylene	26.36	276	985990	19.544	ng	96

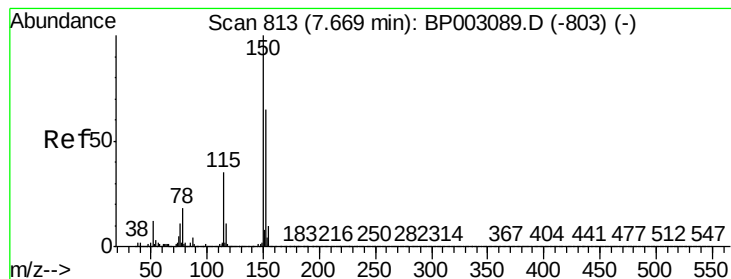
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.65 min Scan# 809

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

ClientSampleId :

B18-0-2

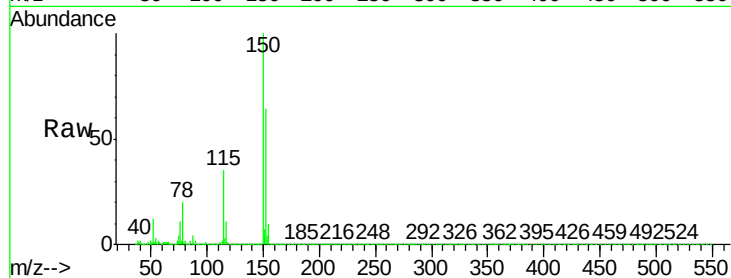
Tot Ion:152 Resp: 176877

Ion Ratio Lower Upper

152 100

150 156.3 123.8 185.6

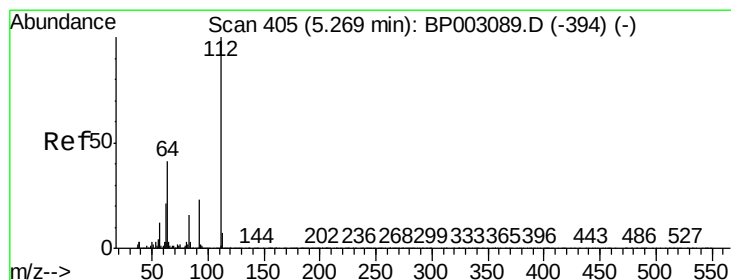
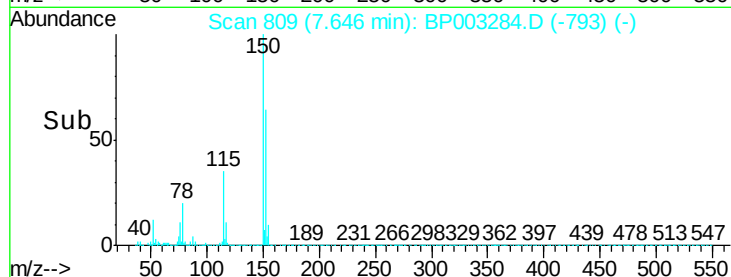
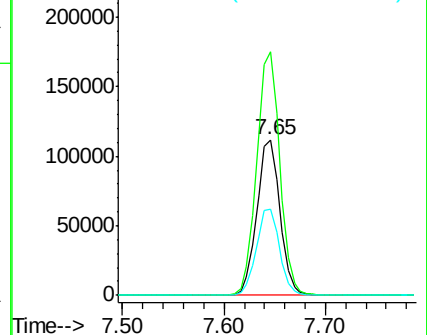
115 55.2 43.8 65.6



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: 37.729 ng

RT: 5.26 min Scan# 404

Delta R.T. -0.00 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

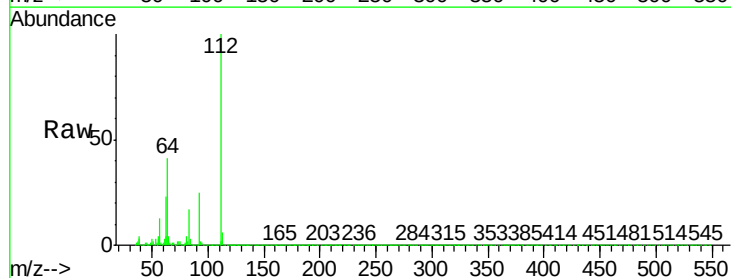
Tgt Ion:112 Resp: 377452

Ion Ratio Lower Upper

112 100

64 40.9 32.8 49.2

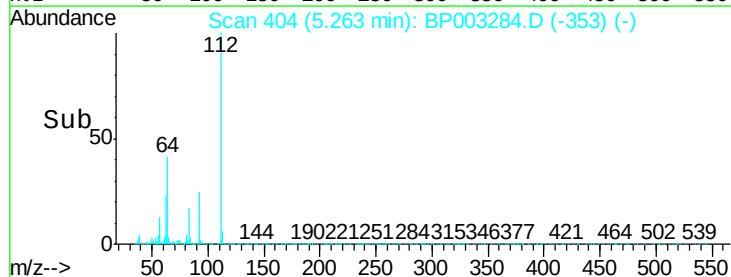
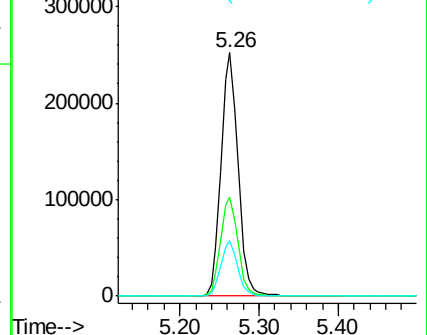
63 23.0 17.0 25.4

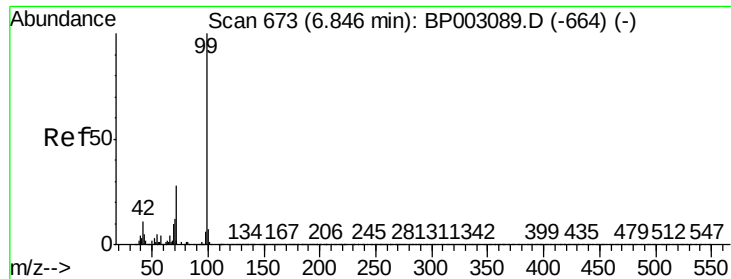


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 40.373 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

ClientSampleId :

B18-0-2

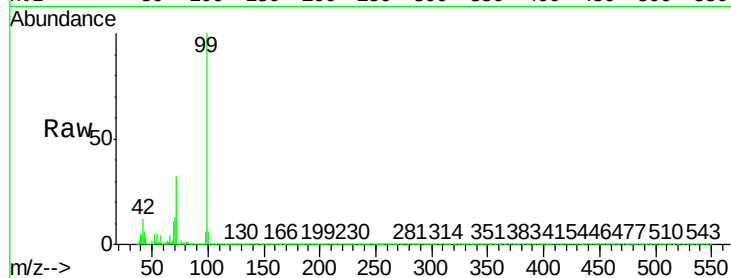
Tot Ion: 99 Resp: 506320

Ion Ratio Lower Upper

99 100

42 11.6 8.6 13.0

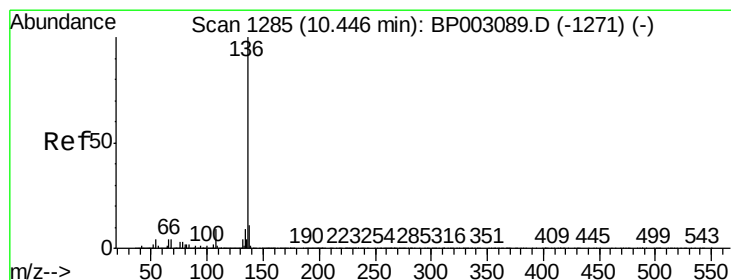
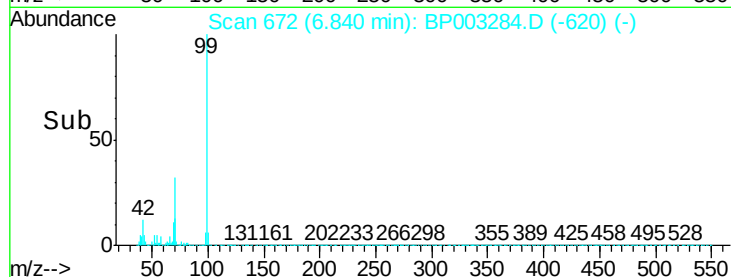
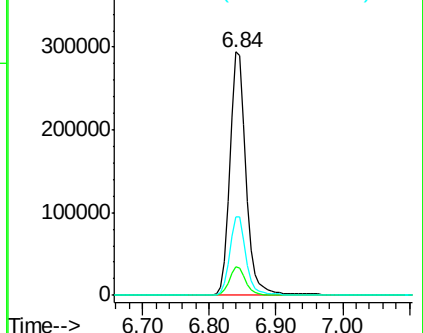
71 32.3 23.4 35.2



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# 1281

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Tgt Ion: 136 Resp: 645502

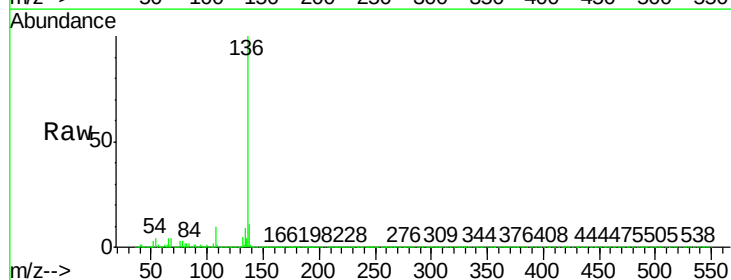
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 4.4 3.6 5.4

68 3.9 3.3 4.9

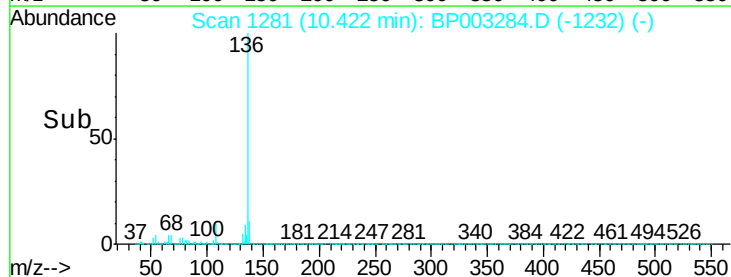
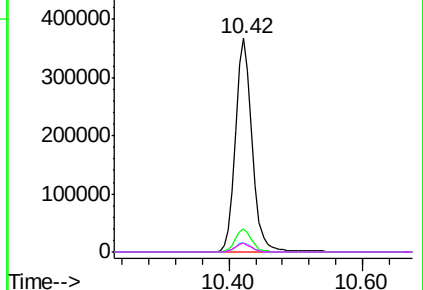


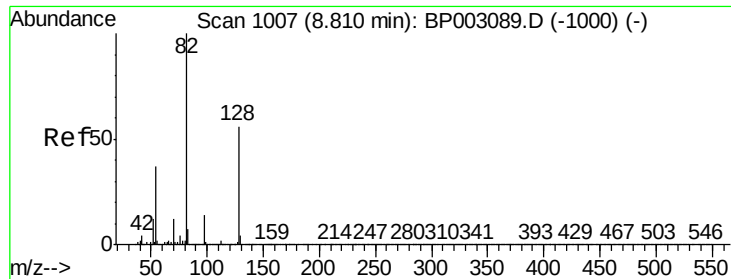
Abundance Ion 136.00 (135.70 to 136.70): E

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

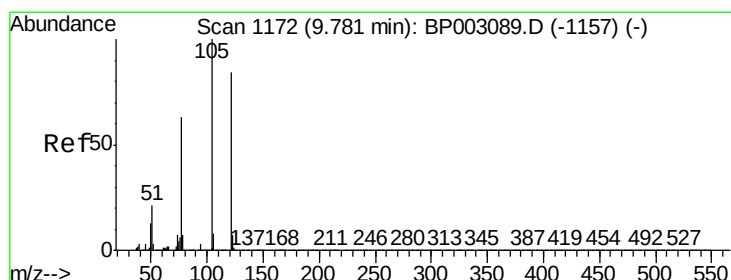
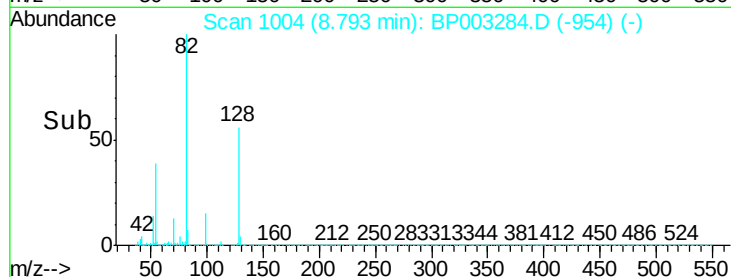
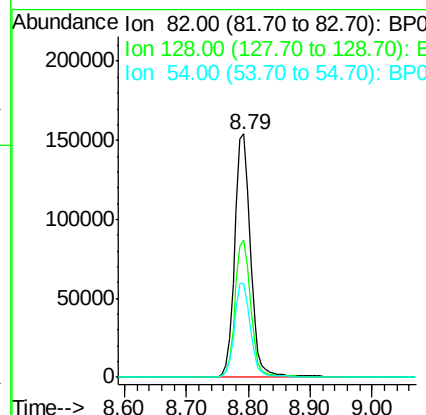
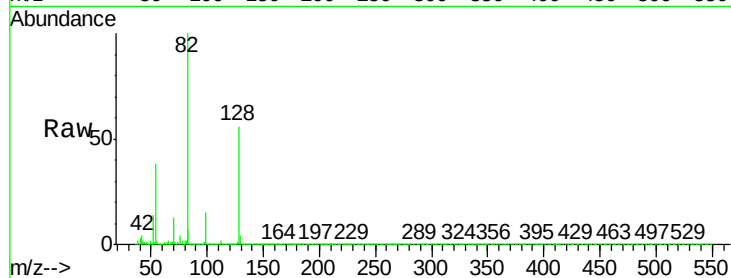




#23
 Nitrobenzene-d5
 Concen: 30.746 ng
 RT: 8.79 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

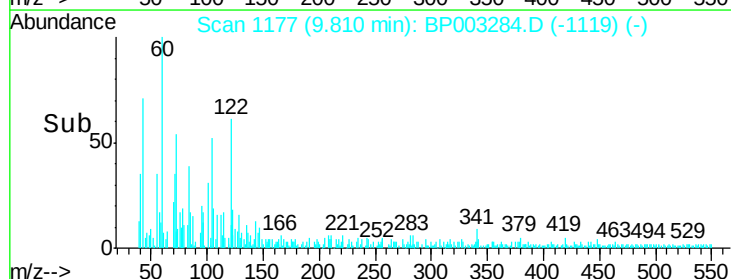
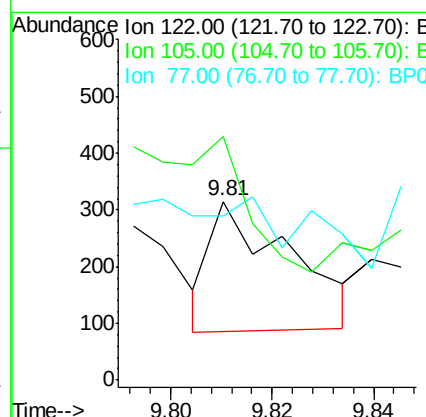
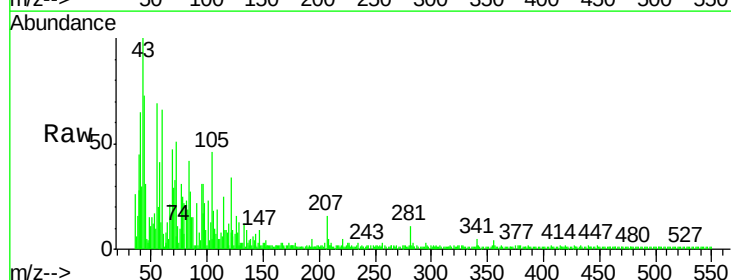
Instrument :
 BNA_P
 ClientSampleId :
 B18-0-2

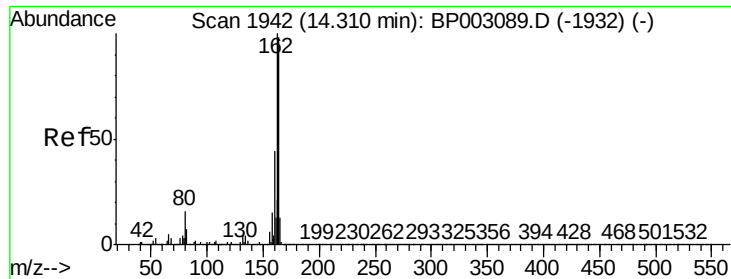
Tot Ion	82	Resp	275297
Ion Ratio	100	Lower	Upper
128	56.5	45.6	68.4
54	38.5	30.1	45.1



#32
 Benzoic acid
 Concen: 9.030 ng
 RT: 9.81 min Scan# 1177
 Delta R.T. 0.04 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Tgt Ion	122	Resp	252
Ion Ratio	100	Lower	Upper
105	115.9	94.1	134.1
77	78.4	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: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

ClientSampleId :

B18-0-2

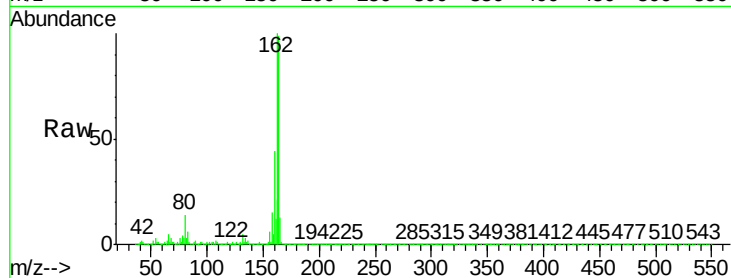
Tot Ion:164 Resp: 345352

Ion Ratio Lower Upper

164 100

162 101.3 79.4 119.2

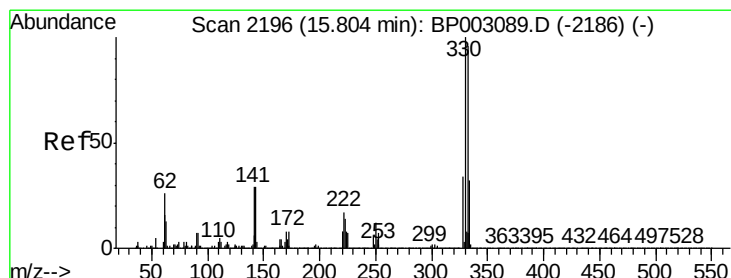
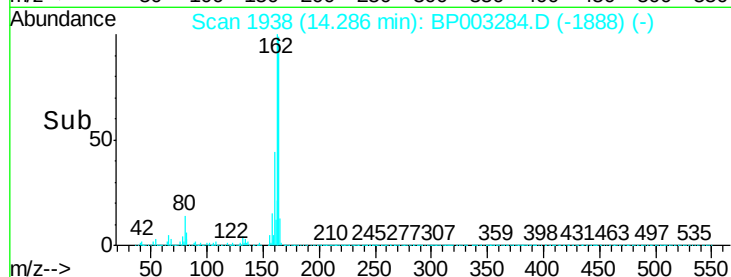
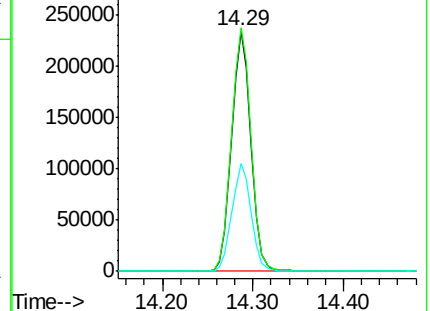
160 44.8 36.1 54.1



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: 83.414 ng

RT: 15.79 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

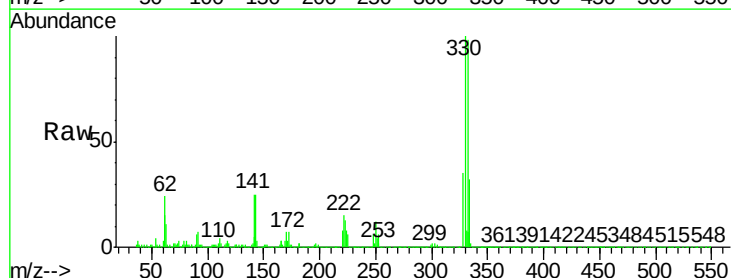
Tgt Ion:330 Resp: 389609

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

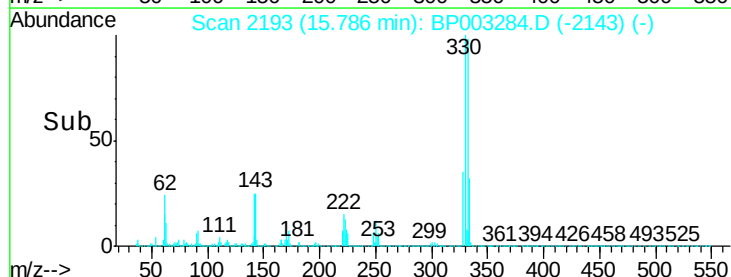
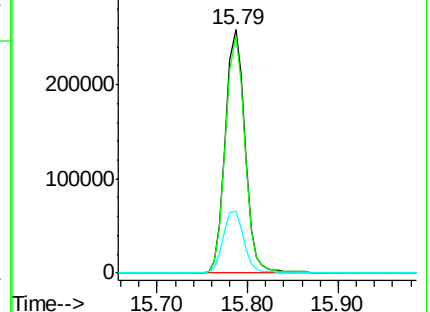
141 26.1 23.4 35.2

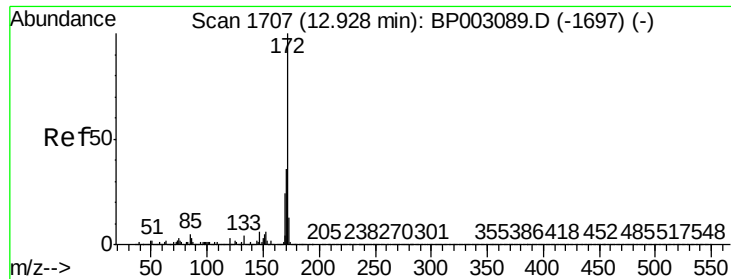


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

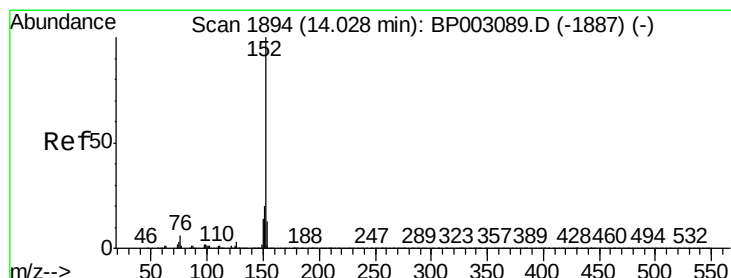
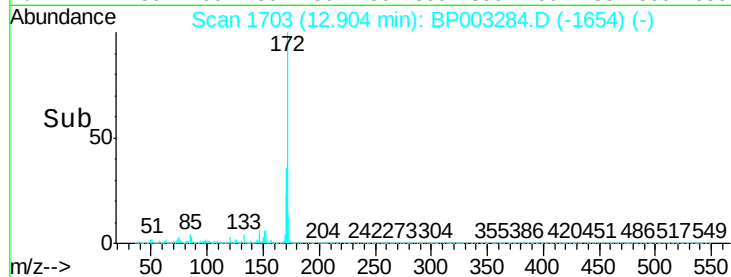
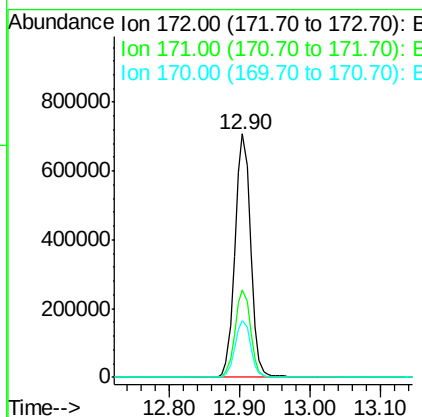
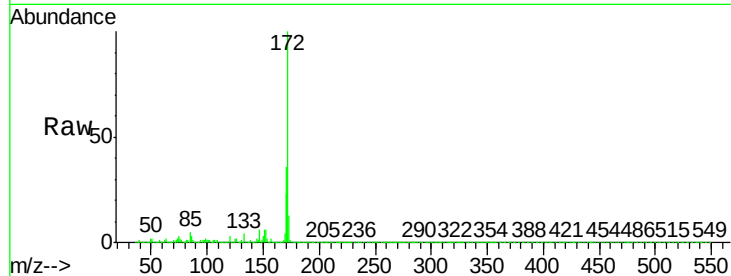




#45
2-Fluorobiphenyl
Concen: 46.268 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

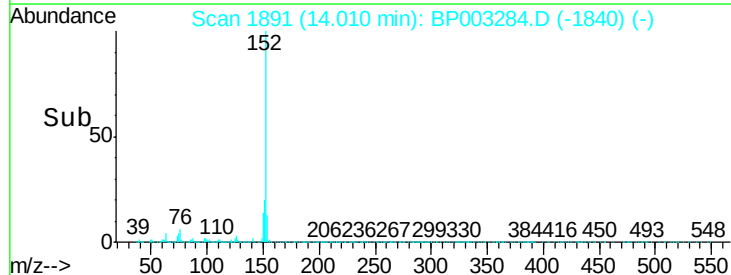
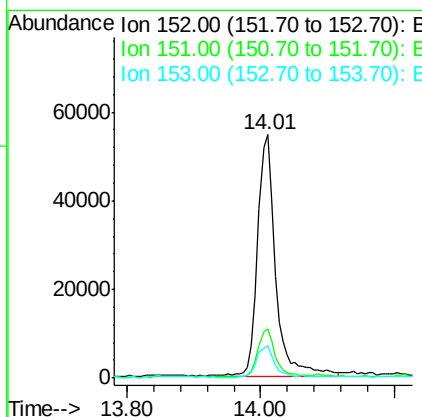
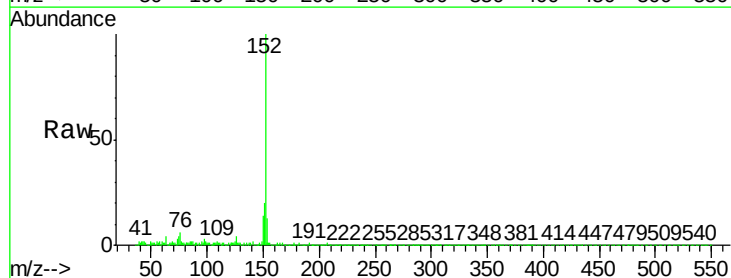
Instrument :
BNA_P
ClientSampleId :
B18-0-2

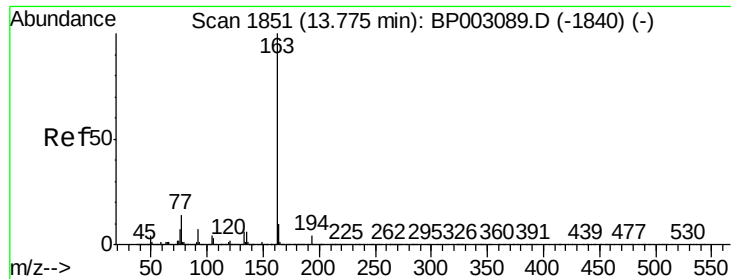
Tot Ion:172 Resp: 1091103
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 23.5 19.2 28.8



#49
Acenaphthylene
Concen: 3.125 ng
RT: 14.01 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Tgt Ion:152 Resp: 100198
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.1 10.5 15.7

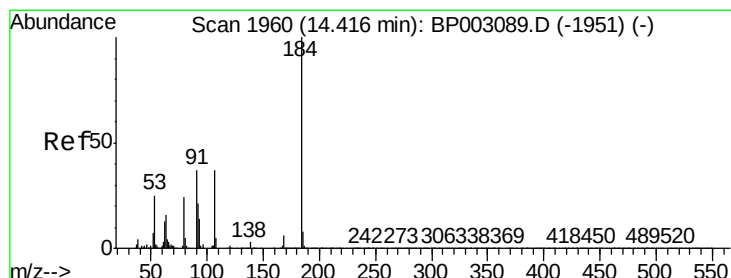
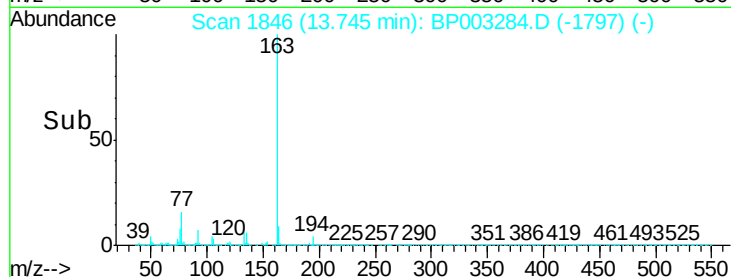
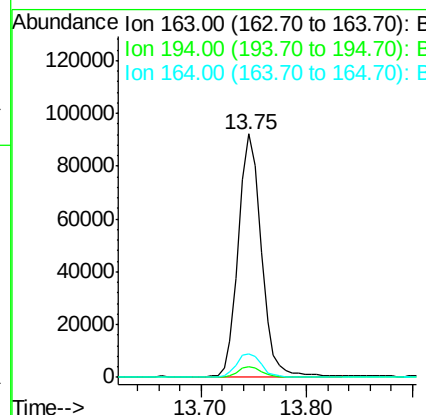
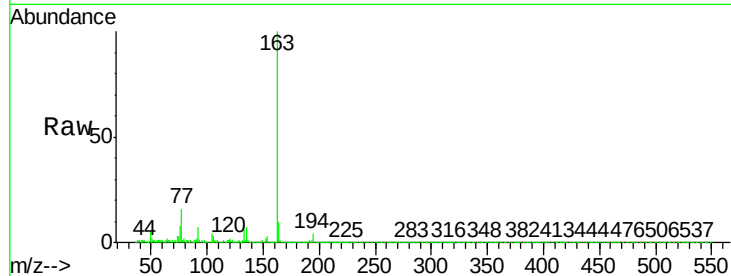




#50
Dimethylphthalate
Concen: 5.217 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

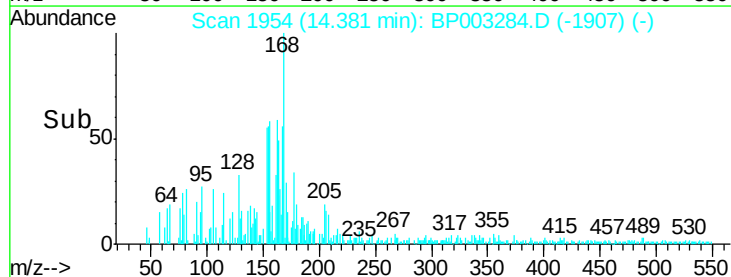
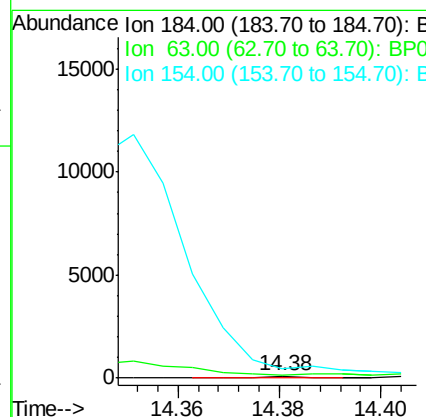
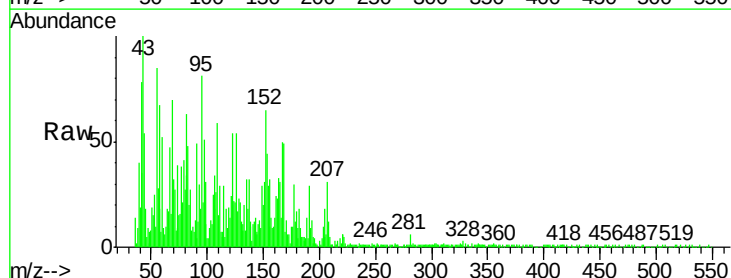
Instrument :
BNA_P
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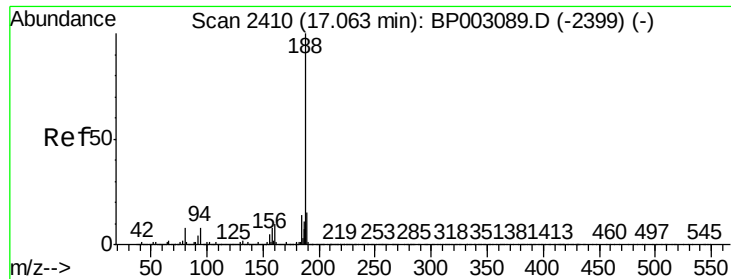
Tot Ion	163	Resp	137394
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.3	4.9
164	9.5	8.2	12.2



#54
2,4-Dinitrophenol
Concen: 7.773 ng
RT: 14.38 min Scan# 1954
Delta R.T. -0.02 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Tgt Ion	184	Resp	60
Ion Ratio	Lower	Upper	
184	100		
63	200.0	32.3	48.5#
154	571.4	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: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

ClientSampleId :

B18-0-2

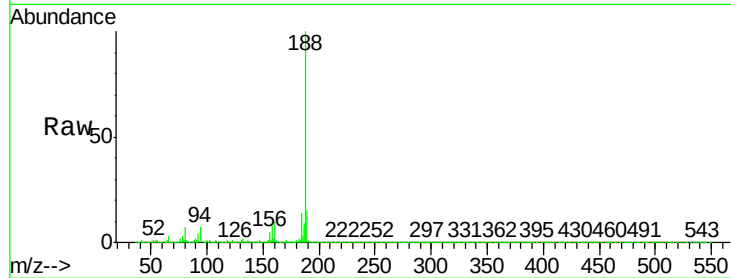
Tot Ion:188 Resp: 658911

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.2

80 7.4 6.2 9.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO

600000

500000

400000

300000

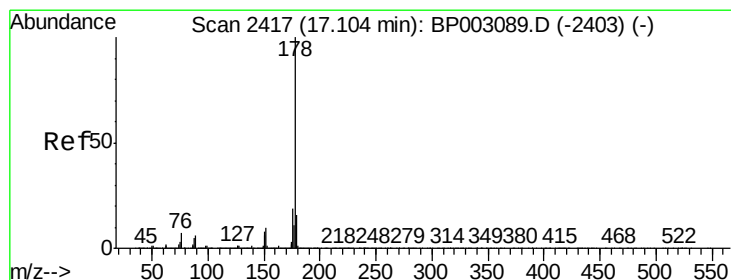
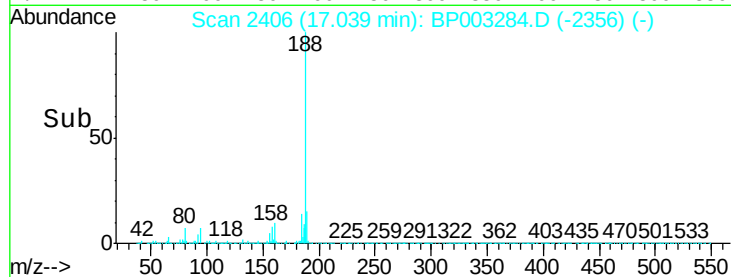
200000

100000

0

17.04

Time--> 16.90 17.00 17.10



#71

Phenanthrene

Concen: 17.714 ng

RT: 17.09 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

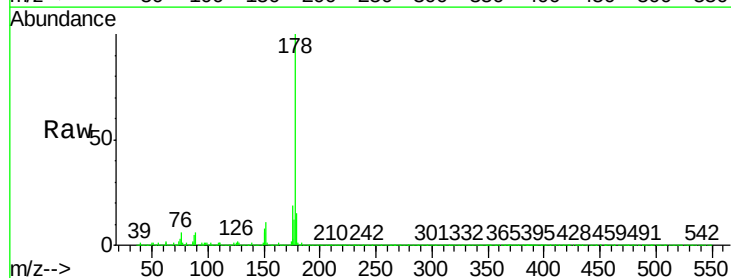
Tgt Ion:178 Resp: 632460

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.2 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

600000

500000

400000

300000

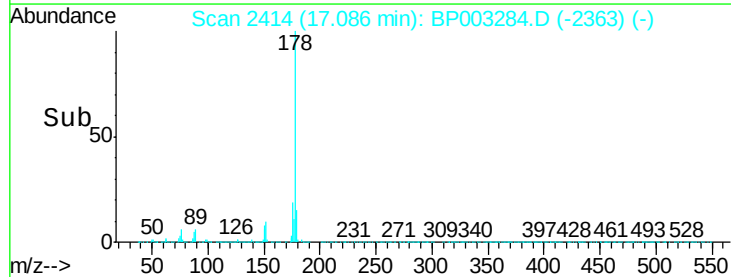
200000

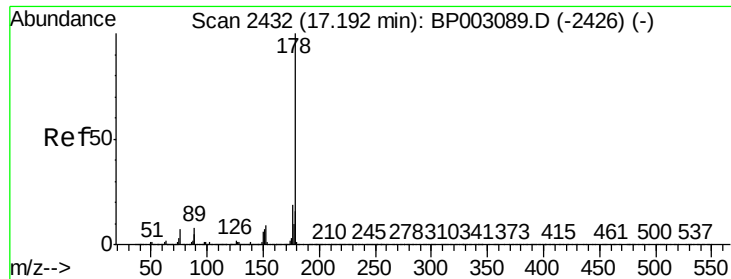
100000

0

17.09

Time--> 17.00 17.10





#72

Anthracene

Concen: 4.900 ng

RT: 17.17 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

ClientSampleId :

B18-0-2

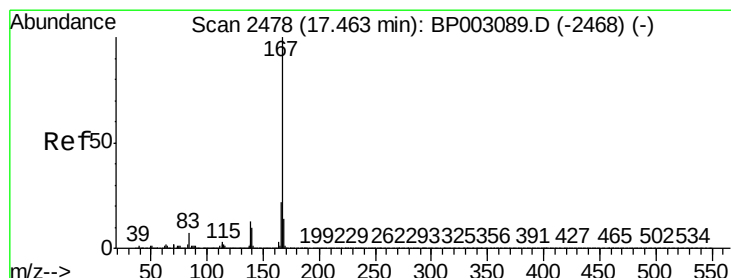
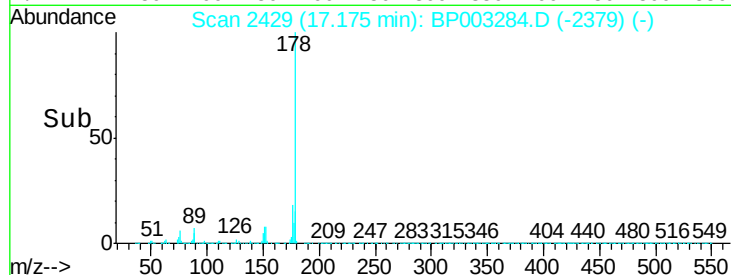
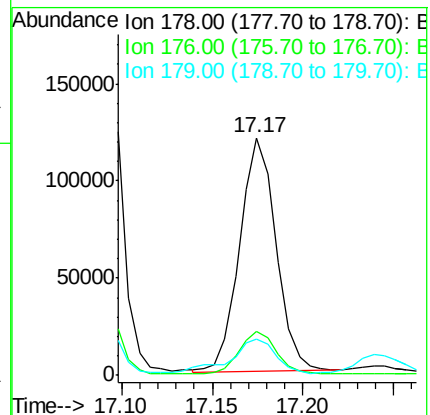
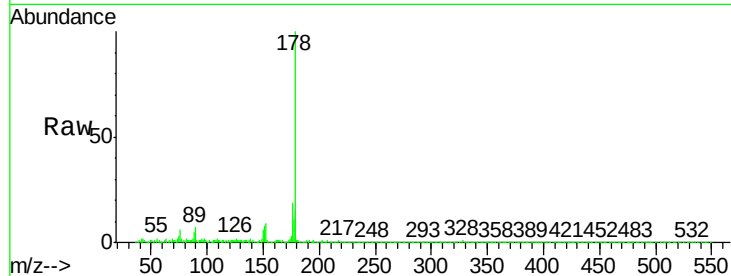
Tot Ion:178 Resp: 167434

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.3 12.5 18.7



#73

Carbazole

Concen: 2.360 ng

RT: 17.45 min Scan# 2476

Delta R.T. -0.00 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

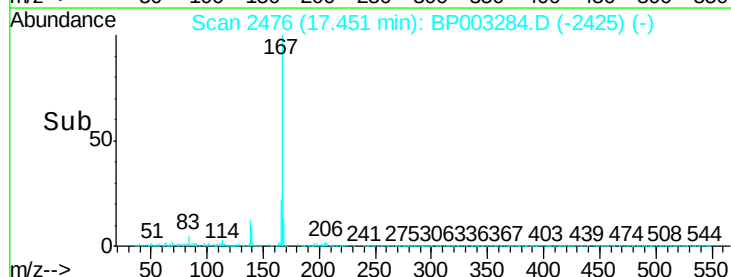
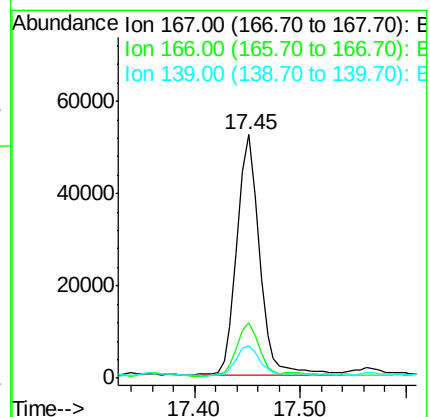
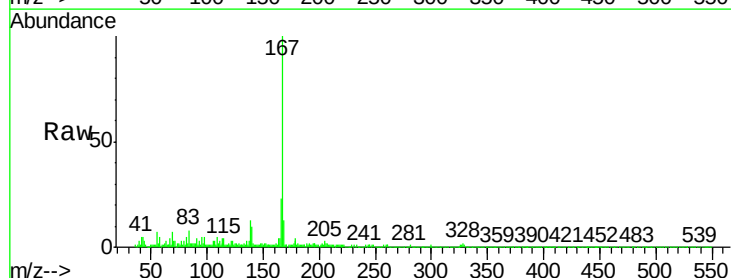
Tgt Ion:167 Resp: 77392

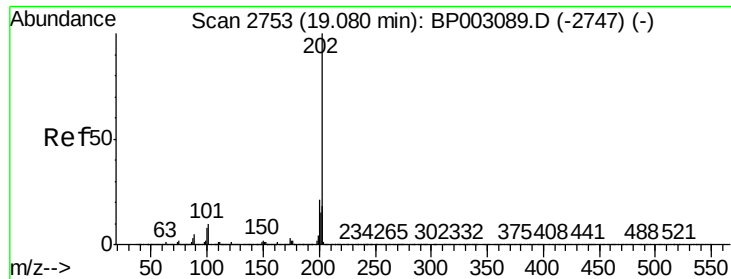
Ion Ratio Lower Upper

167 100

166 22.7 17.6 26.4

139 13.4 10.2 15.4





#75

Fluoranthene

Concen: 39.726 ng

RT: 19.06 min Scan# 2750

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

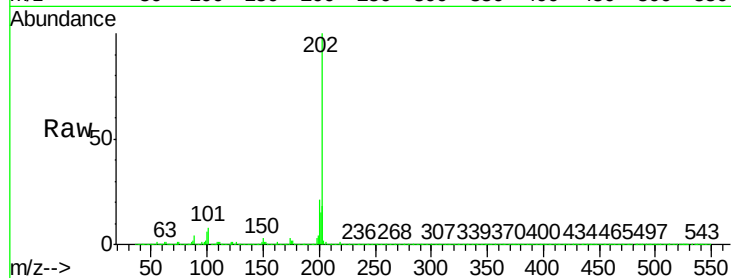
BNA_P

ClientSampleId :

B18-0-2

Tot Ion:202 Resp: 1639329

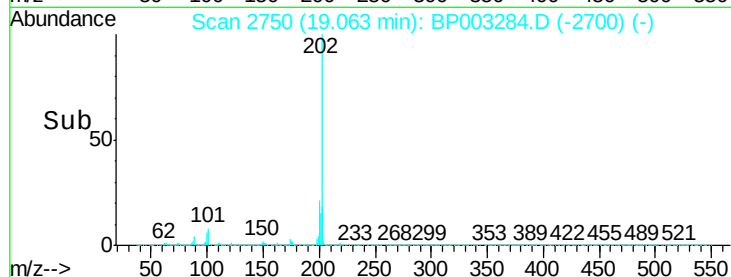
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	29.4
203	17.7	0.0	37.8



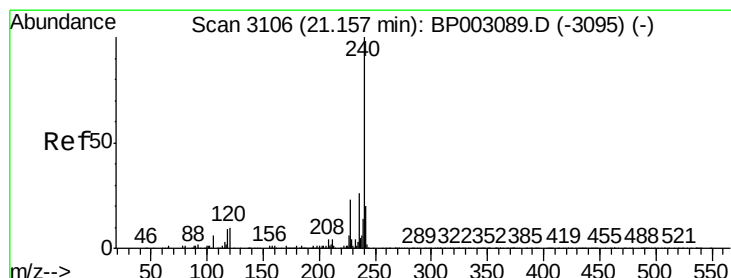
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.14 min Scan# 3103

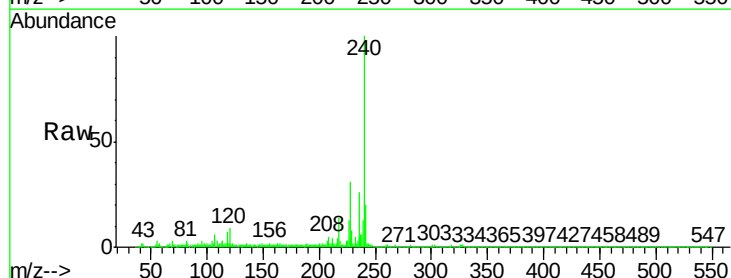
Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Tgt Ion:240 Resp: 700979

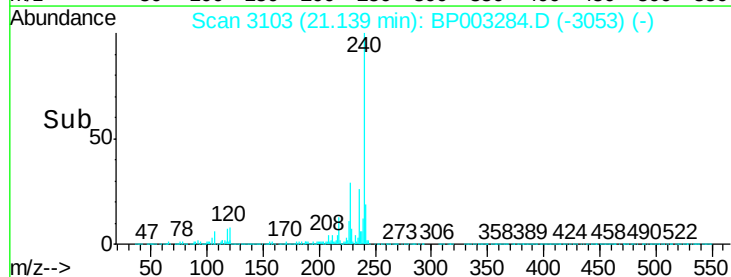
Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.8	11.6
236	26.0	20.8	31.2



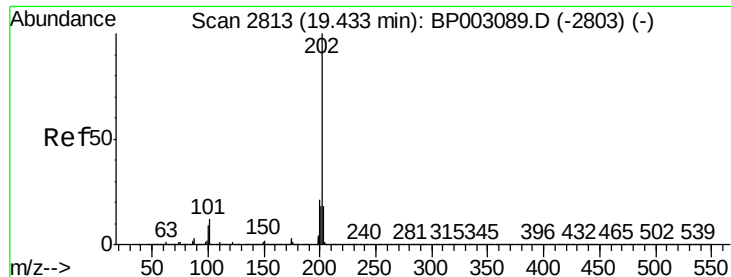
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Pvrene

Concen: 37.819 ng

RT: 19.42 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

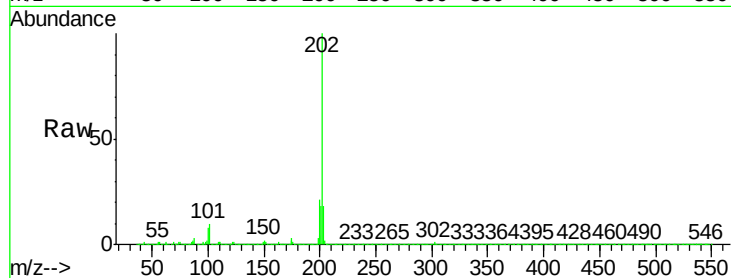
BNA_P

ClientSampleId :

B18-0-2

Tot Ion:202 Resp: 1720579

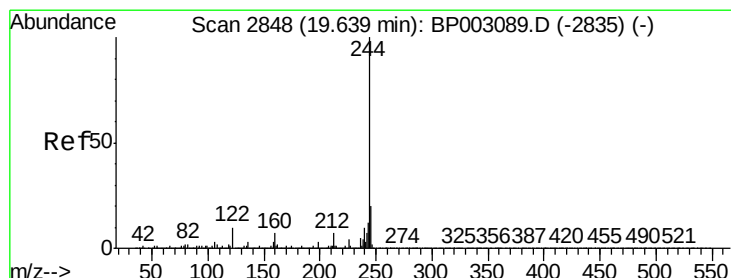
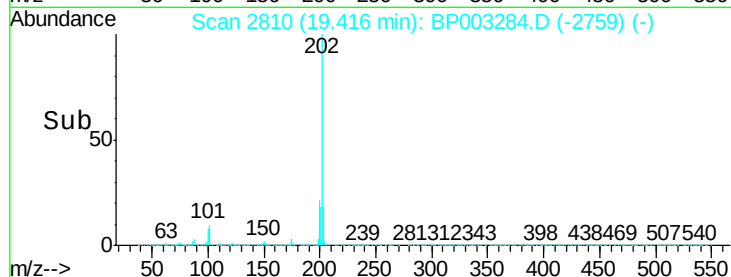
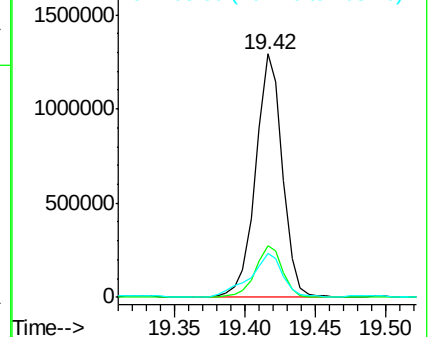
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	18.1	14.2	21.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 52.385 ng

RT: 19.62 min Scan# 2844

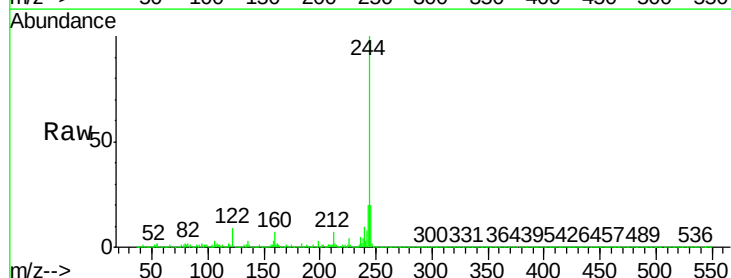
Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Tgt Ion:244 Resp: 1668804

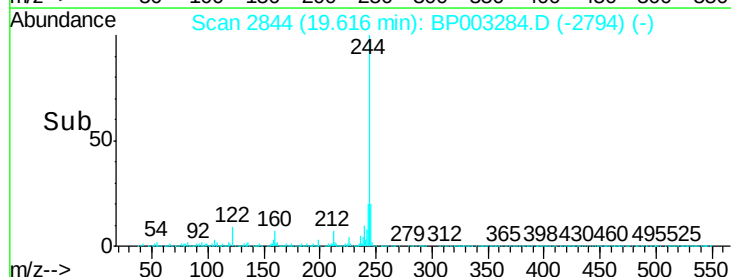
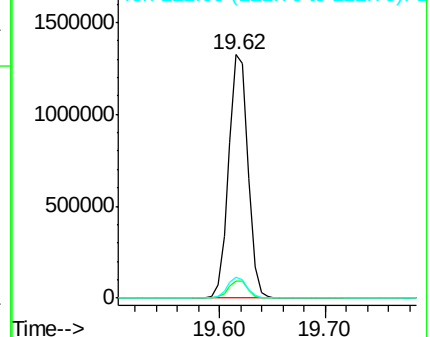
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	8.6	7.8	11.8

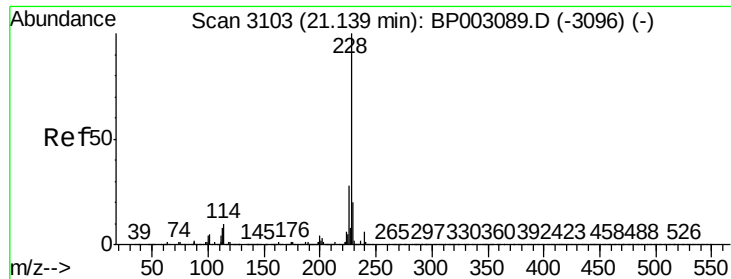


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

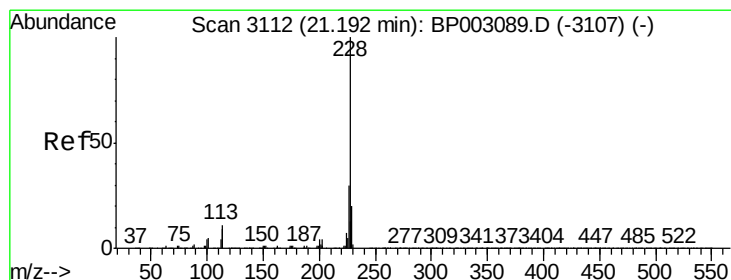
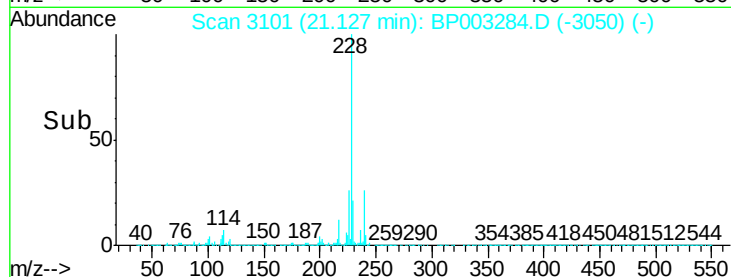
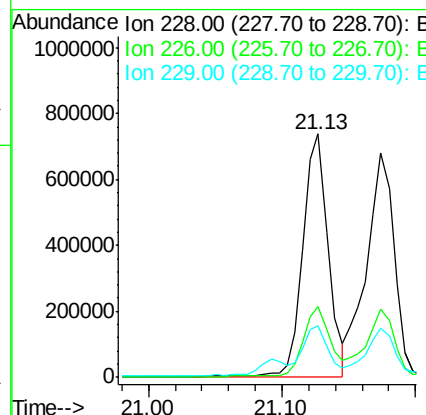
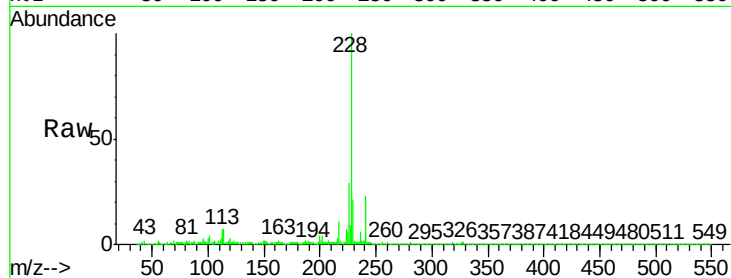




#81
Benzo(a)anthracene
Concen: 21.779 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

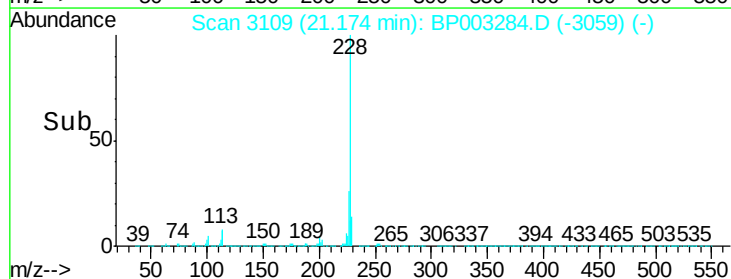
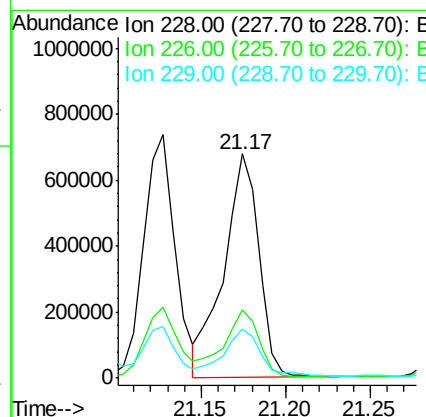
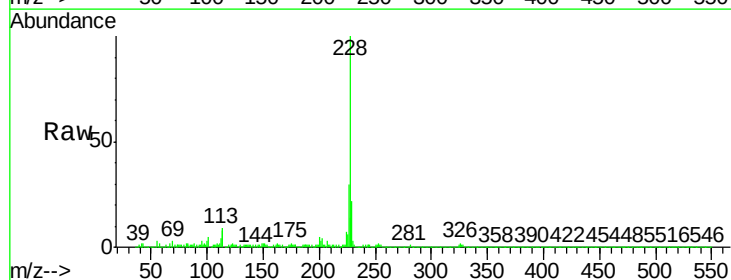
Instrument :
BNA_P
ClientSampled :
B18-0-2

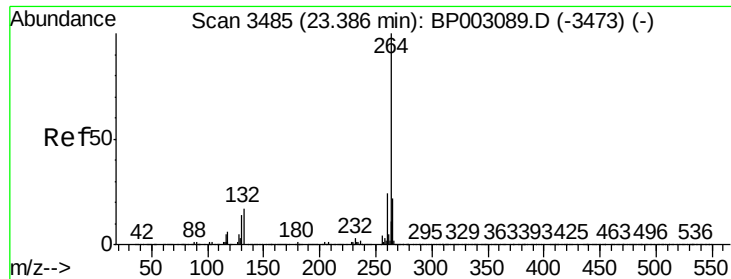
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.1	33.1
229	21.0	15.9	23.9



#83
Chrysene
Concen: 23.184 ng
RT: 21.17 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	22.1	15.8	23.6



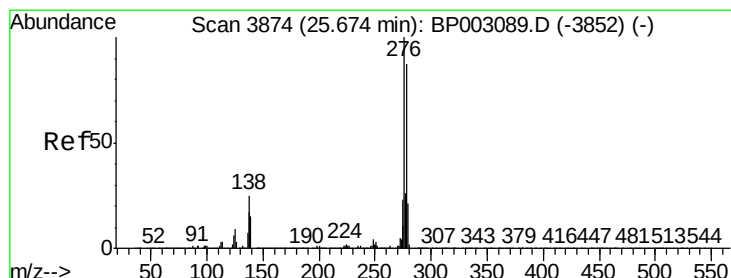
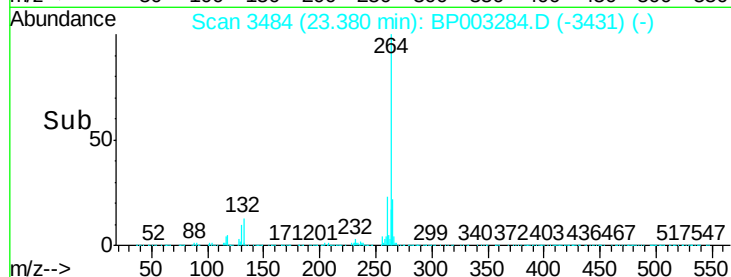
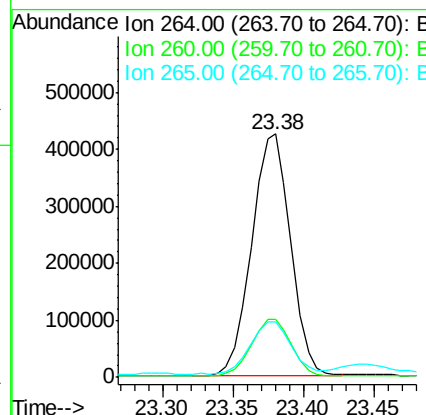
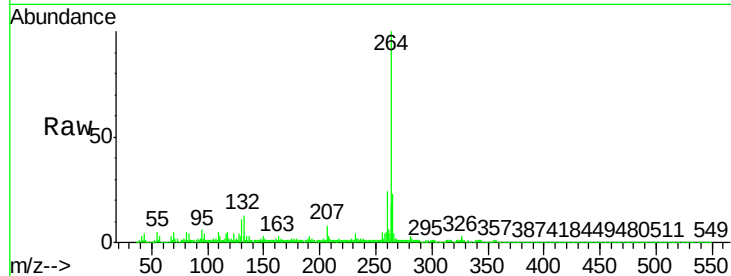


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Instrument :
BNA_P
ClientSampled :
B18-0-2

Tot Ion:264 Resp: 820598

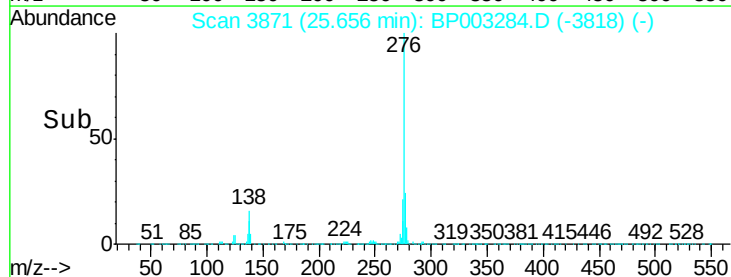
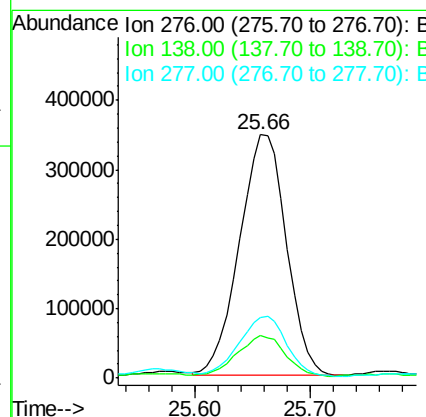
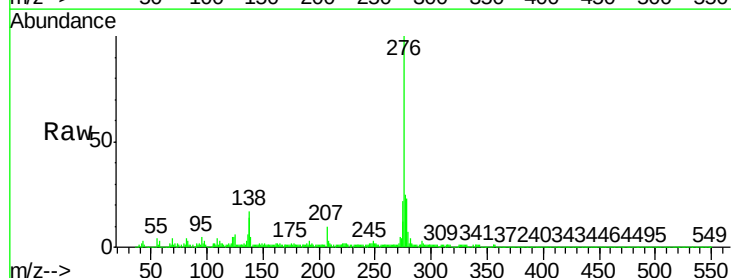
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.7	17.4	26.2

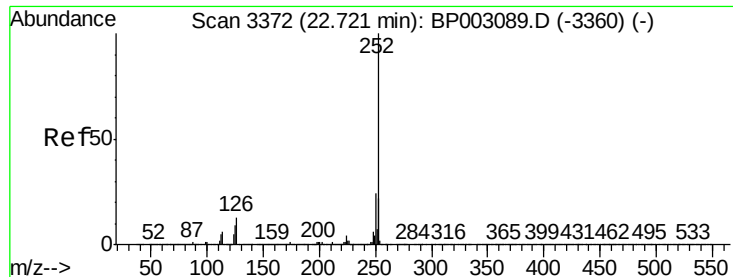


#87
Indeno(1,2,3-cd)pyrene
Concen: 15.941 ng
RT: 25.66 min Scan# 3871
Delta R.T. 0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Tgt Ion:276 Resp: 975512

Ion	Ratio	Lower	Upper
276	100		
138	17.1	18.7	28.1#
277	25.1	20.4	30.6

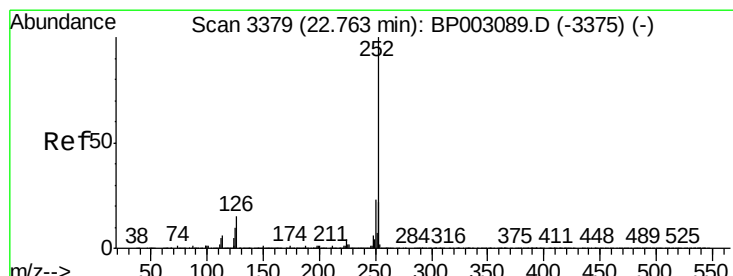
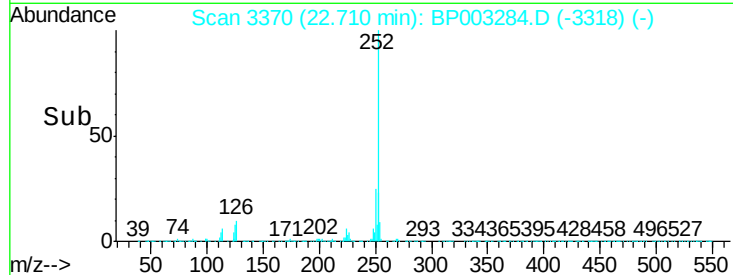
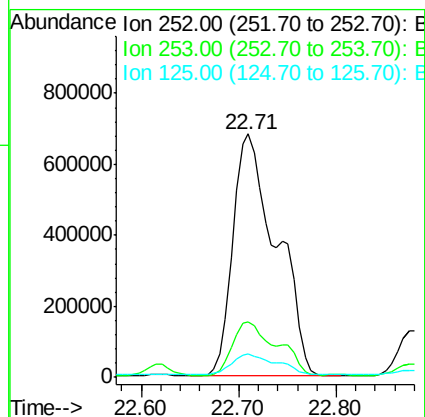
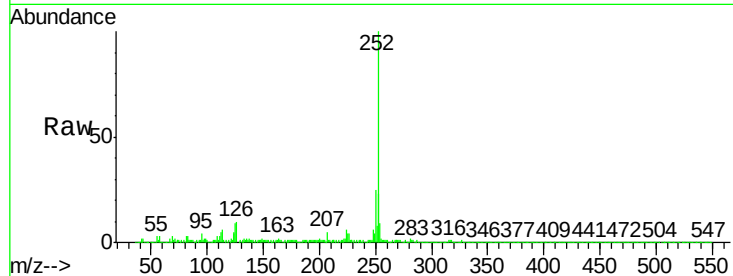




#88
Benzo(b)fluoranthene
Concen: 41.501 ng
RT: 22.71 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

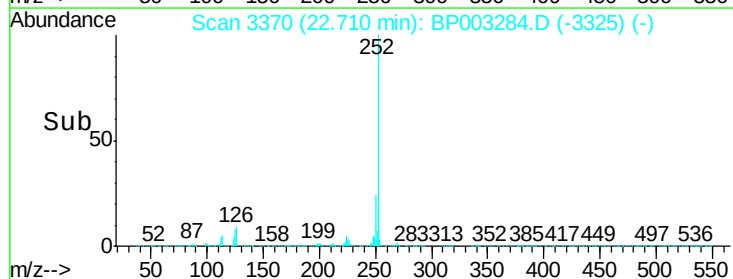
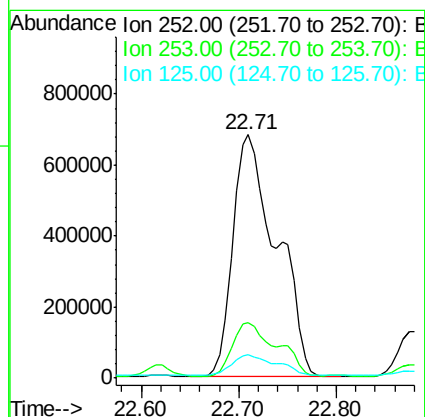
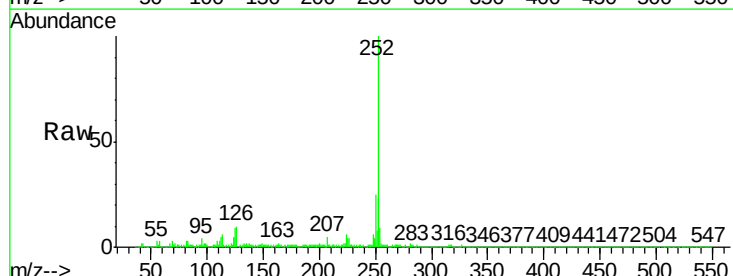
Instrument :
BNA_P
ClientSampleId :
B18-0-2

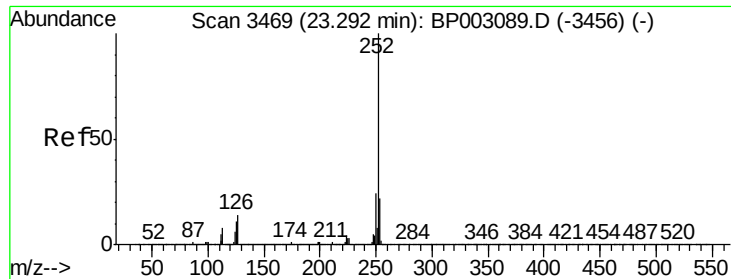
Tot Ion:252 Resp: 2116690
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 9.4 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 43.437 ng
RT: 22.71 min Scan# 3370
Delta R.T. -0.04 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Tgt Ion:252 Resp: 2116690
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 9.4 7.4 11.2





#90

Benzo(a)pyrene

Concen: 24.959 ng

RT: 23.28 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

ClientSampleId :

B18-0-2

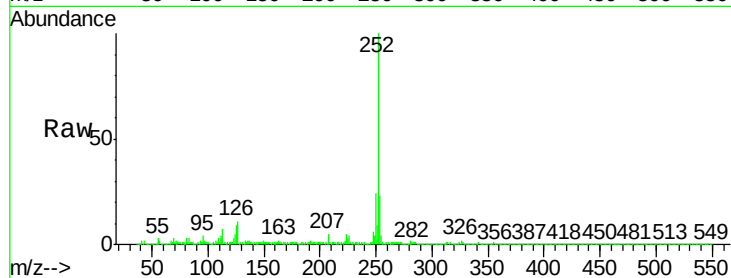
Tot Ion:252 Resp: 1180977

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

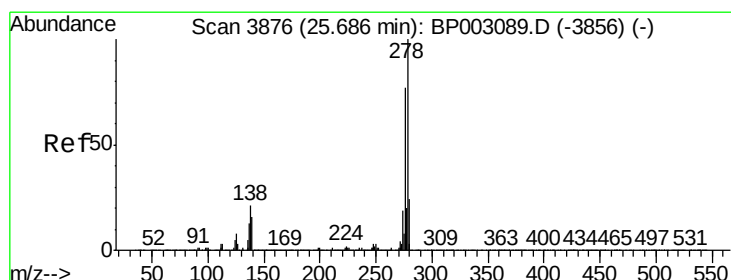
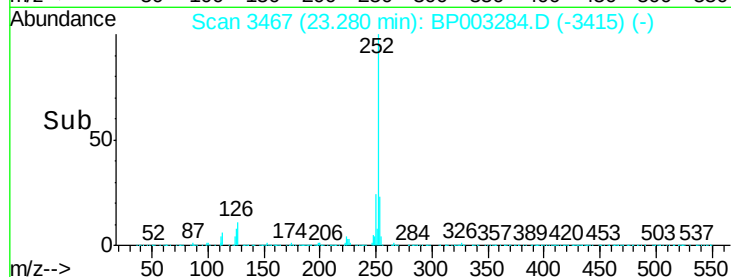
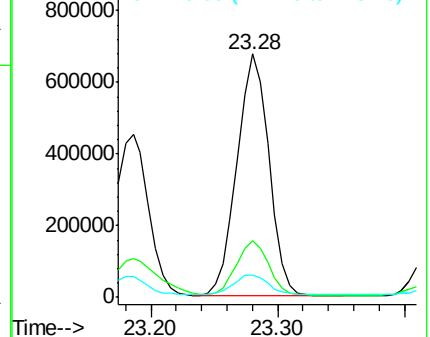
125 9.3 8.2 12.4



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: 5.083 ng

RT: 25.66 min Scan# 3872

Delta R.T. 0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

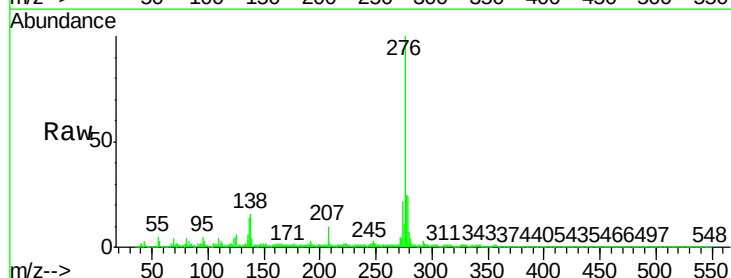
Tgt Ion:278 Resp: 255526

Ion Ratio Lower Upper

278 100

139 17.9 12.4 18.6

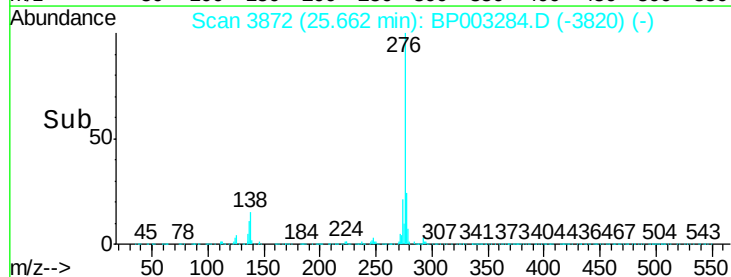
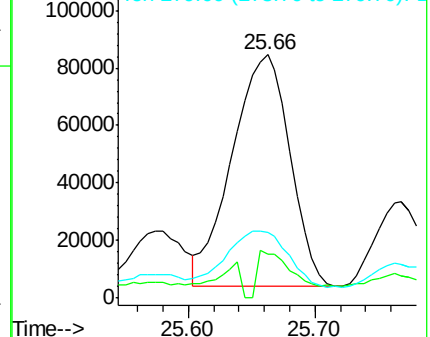
279 27.2 19.0 28.6

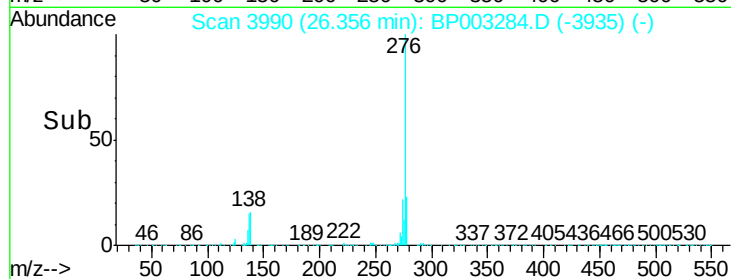
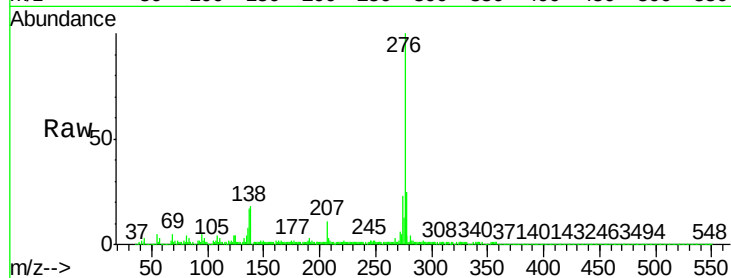
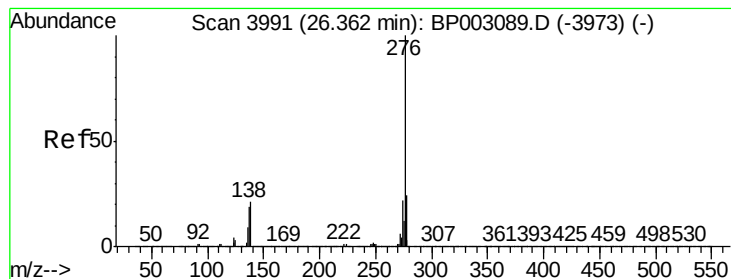


Abundance Ion 278.00 (277.70 to 278.70): E

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: 19.544 ng

RT: 26.36 min Scan# 3990

Delta R.T. 0.02 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

ClientSampleId :

B18-0-2

Tot Ion:276 Resp: 985990

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.6

138 17.8 16.6 24.8

