

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082820\
 Data File : BP003160.D
 Acq On : 28 Aug 2020 20:32
 Operator : CG/JU
 Sample : L3837-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 29 00:43:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 15:32:08 2020
 Response via : Initial Calibration

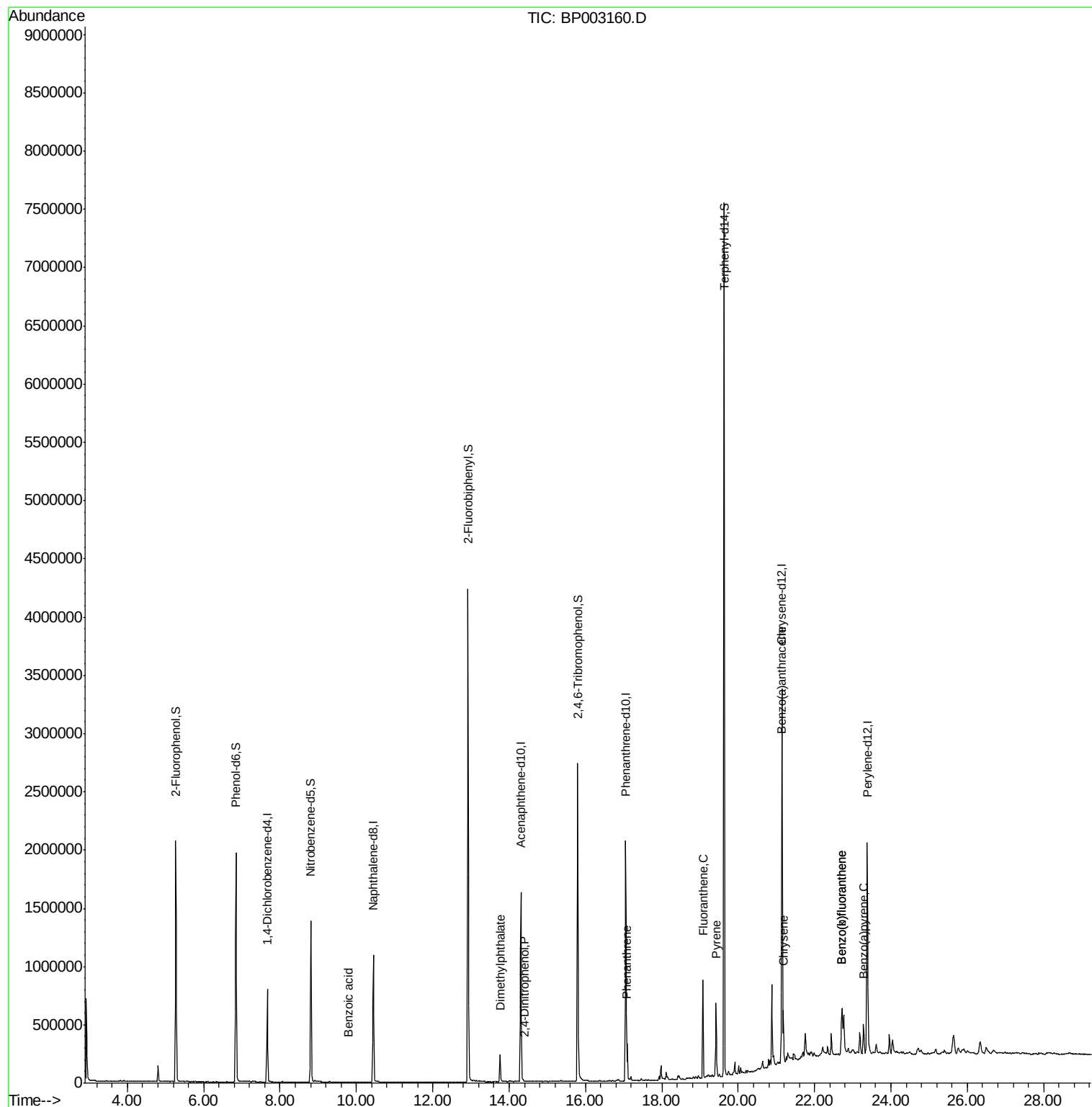
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	250970	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	1012086	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	620539	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1352398	20.00	ng	-0.01
76) Chrysene-d12	21.15	240	1420523	20.00	ng	-0.01
86) Perylene-d12	23.38	264	1324242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1117486	78.72	ng	0.00
7) Phenol-d6	6.85	99	1335032	75.03	ng	0.00
23) Nitrobenzene-d5	8.80	82	792812	56.47	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	669351	79.75	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	2364676	55.81	ng	0.00
79) Terphenyl-d14	19.63	244	3437971	53.26	ng	0.00
Target Compounds						
32) Benzoic acid	9.79	122	54	9.001	ng	# 1
50) Dimethylphthalate	13.76	163	197268	4.169	ng	99
54) 2,4-Dinitrophenol	14.42	184	6	7.756	ng	# 1
71) Phenanthrene	17.09	178	192725	2.630	ng	99
75) Fluoranthene	19.07	202	508957	6.009	ng	99
78) Pyrene	19.42	202	409444	4.441	ng	100
81) Benzo(a)anthracene	21.13	228	209396	2.353	ng	100
83) Chrysene	21.18	228	245840	2.886	ng	98
88) Benzo(b)fluoranthene	22.71	252	325378	3.953	ng	99
89) Benzo(k)fluoranthene	22.71	252	325378	4.138	ng	100
90) Benzo(a)pyrene	23.28	252	189960	2.488	ng	98

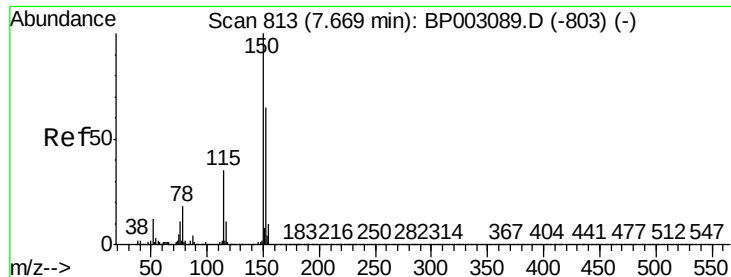
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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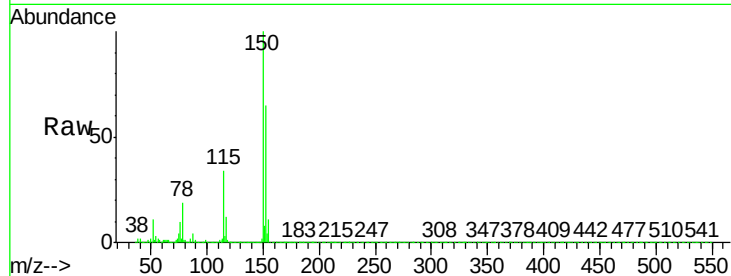


#1

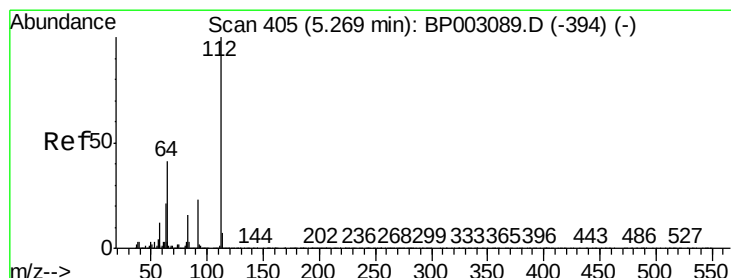
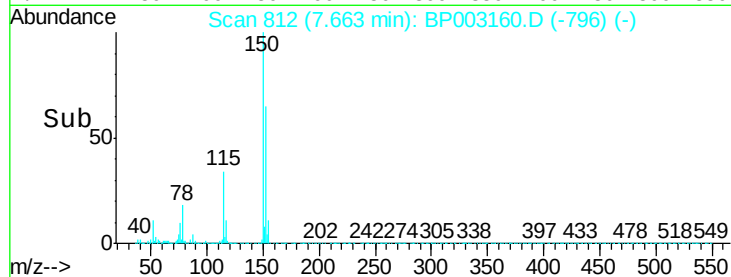
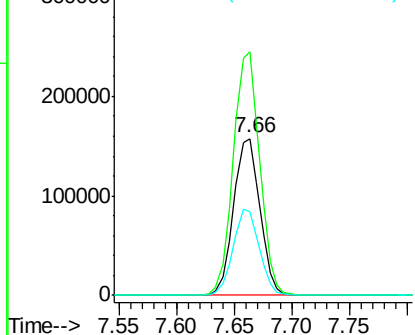
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 812
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.1	184.7
115	53.4	42.8	64.2



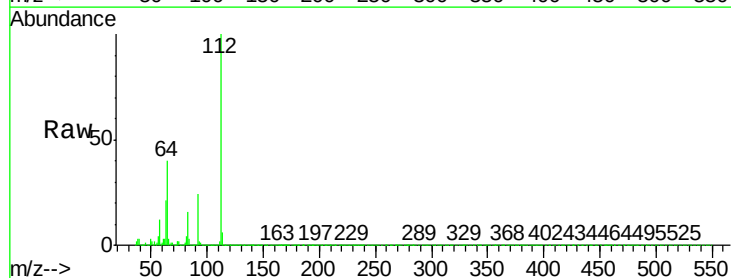
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



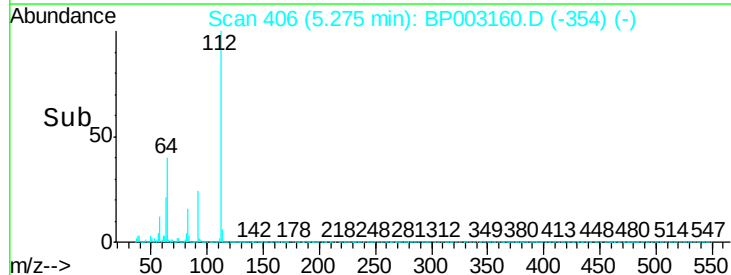
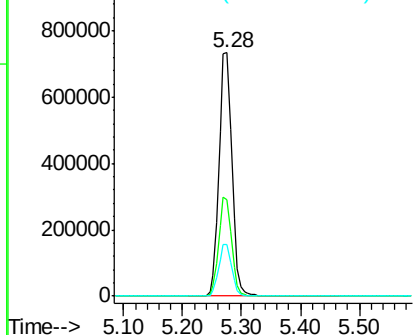
#5

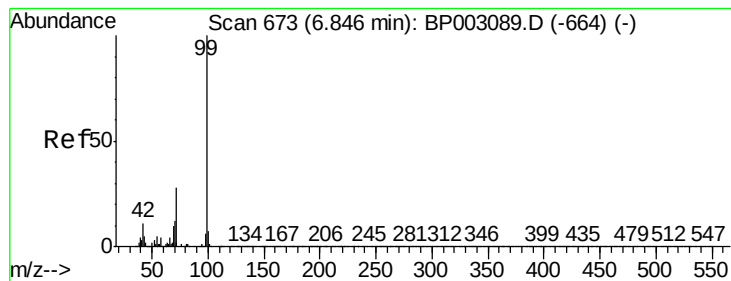
2-Fluorophenol
Concen: 78.724 ng
RT: 5.28 min Scan# 406
Delta R.T. 0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	39.6	33.0	49.6
63	21.0	16.9	25.3



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: 75.026 ng

RT: 6.85 min Scan# 673

Delta R.T. 0.00 min

Lab File: BP003160.D

Acq: 28 Aug 2020 20:32

Instrument :

BNA_P

ClientSampled :

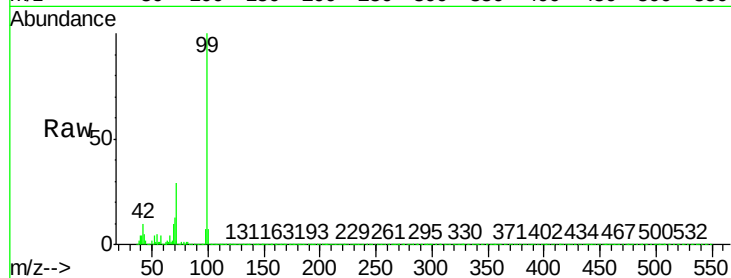
Tot Ion: 99 Resp: 1335032

Ion Ratio Lower Upper

99 100

42 10.5 8.5 12.7

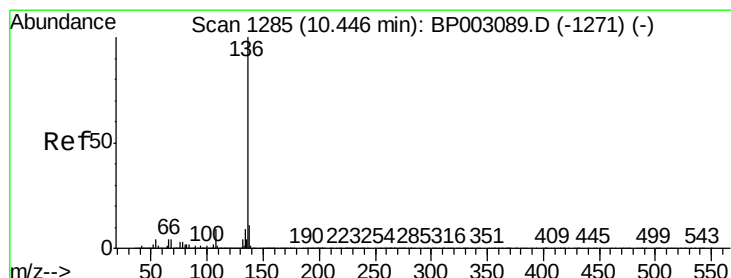
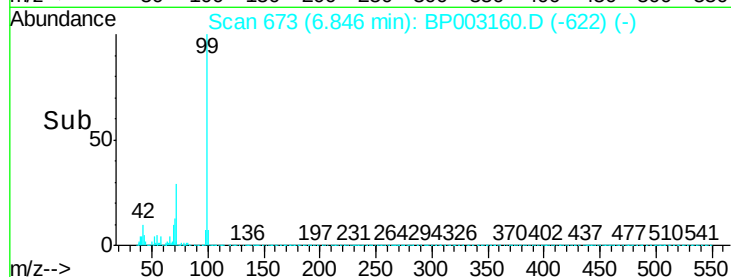
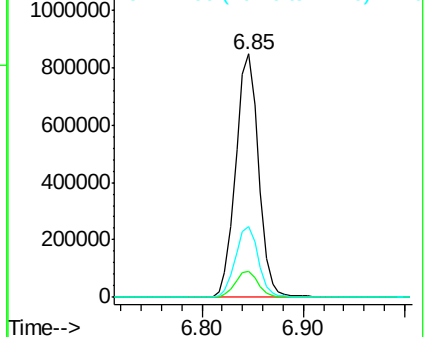
71 29.3 22.8 34.2



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: 10.44 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BP003160.D

Acq: 28 Aug 2020 20:32

Tgt Ion: 136 Resp: 1012086

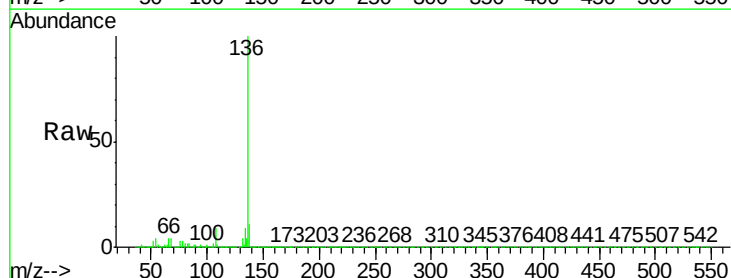
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 4.3 3.5 5.3

68 4.0 3.2 4.8

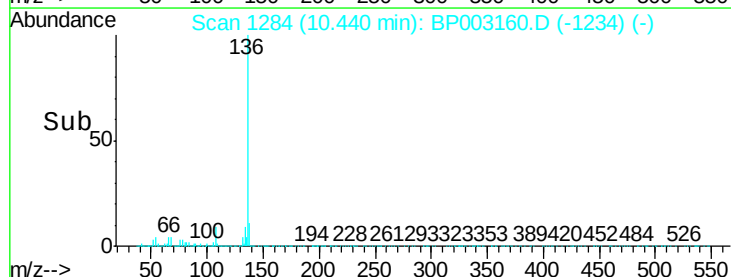
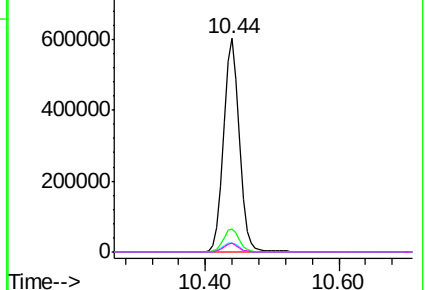


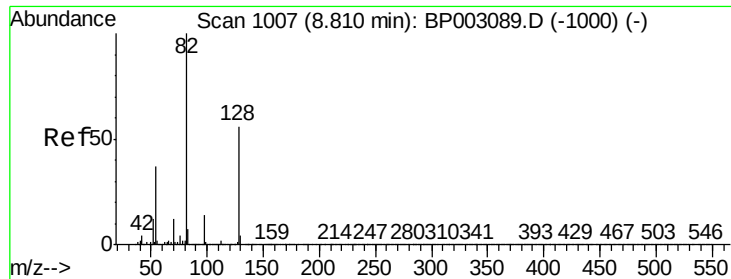
Abundance Ion 136.00 (135.70 to 136.70): E

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

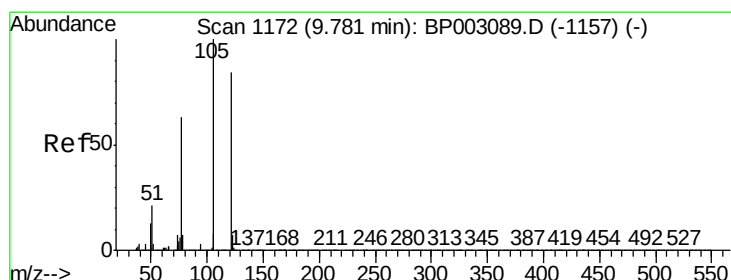
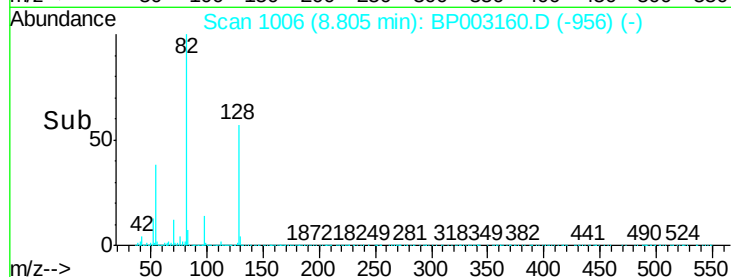
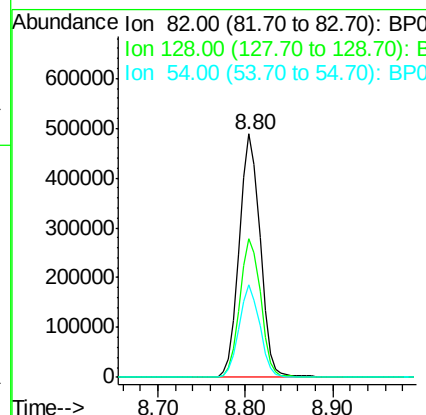
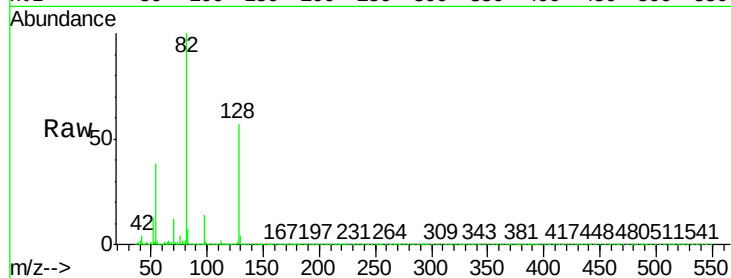




#23
Nitrobenzene-d5
Concen: 56.472 ng
RT: 8.80 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

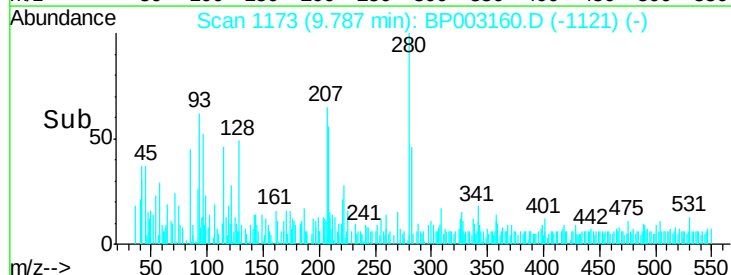
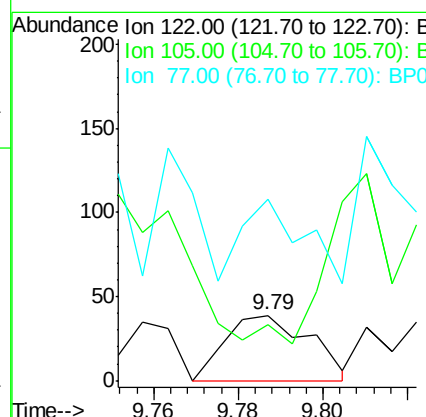
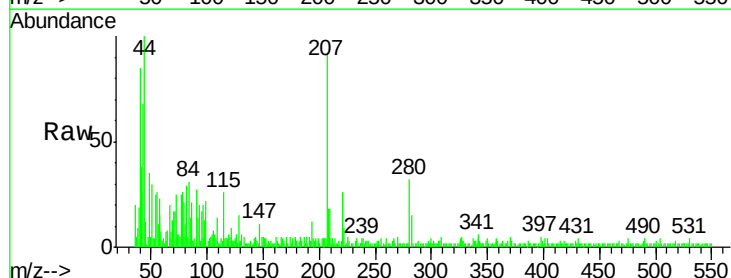
Instrument :
BNA_P
ClientSampleId :

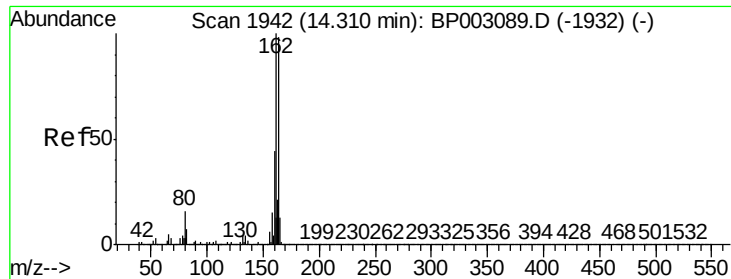
Tot Ion	82	Resp	792812
Ion Ratio	100	Lower	Upper
128	57.2	44.9	67.3
54	38.0	29.4	44.2



#32
Benzoic acid
Concen: 9.001 ng
RT: 9.79 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Tgt Ion	122	Resp	54
Ion Ratio	100	Lower	Upper
105	84.6	98.1	138.1#
77	276.9	55.3	95.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BP003160.D

Acq: 28 Aug 2020 20:32

Instrument :

BNA_P

ClientSampleId :

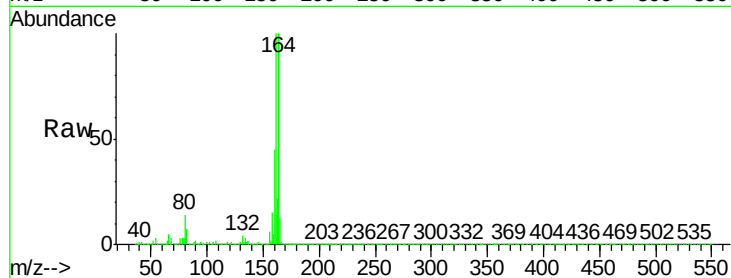
Tot Ion:164 Resp: 620539

Ion Ratio Lower Upper

164 100

162 100.0 81.2 121.8

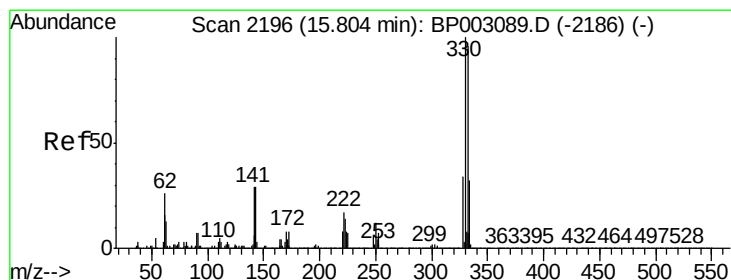
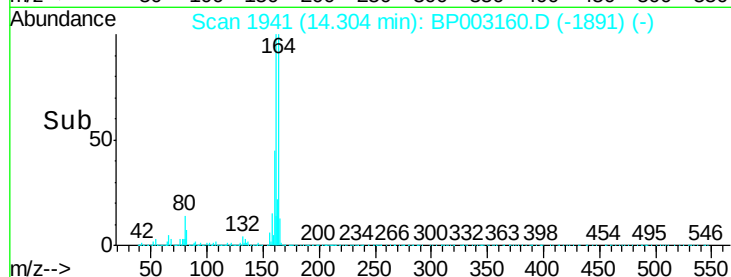
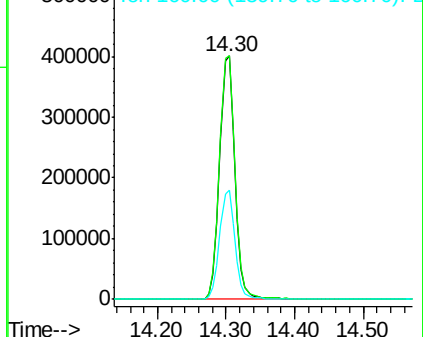
160 44.7 36.0 54.0



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: 79.755 ng

RT: 15.80 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BP003160.D

Acq: 28 Aug 2020 20:32

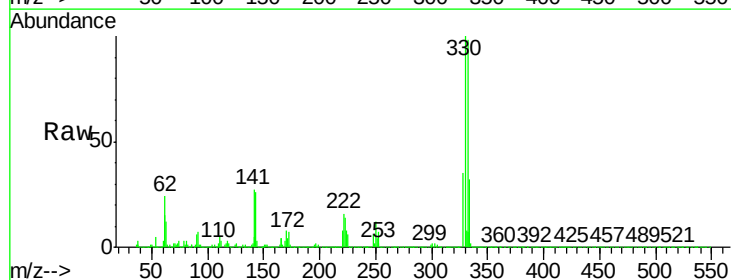
Tgt Ion:330 Resp: 669351

Ion Ratio Lower Upper

330 100

332 97.8 77.3 115.9

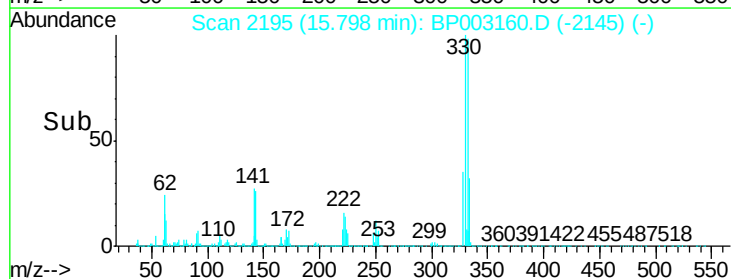
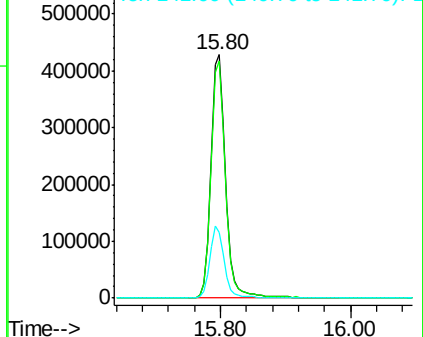
141 29.1 24.4 36.6

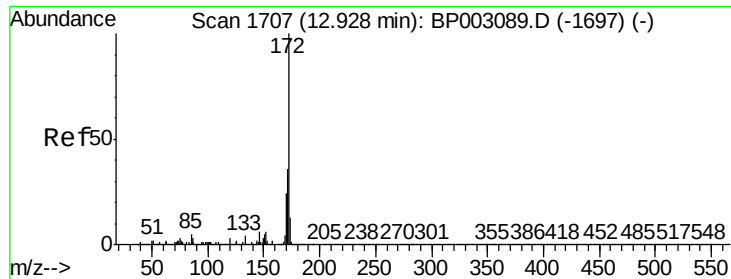


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

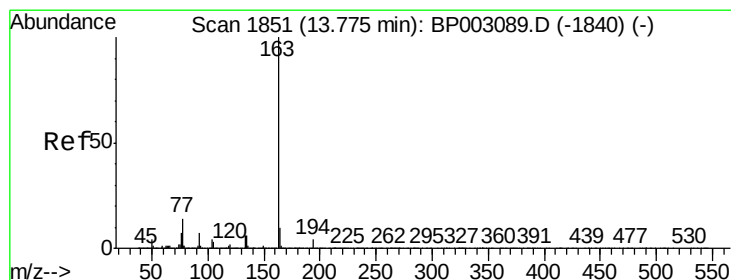
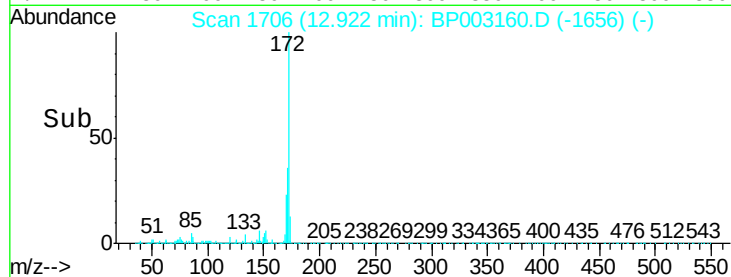
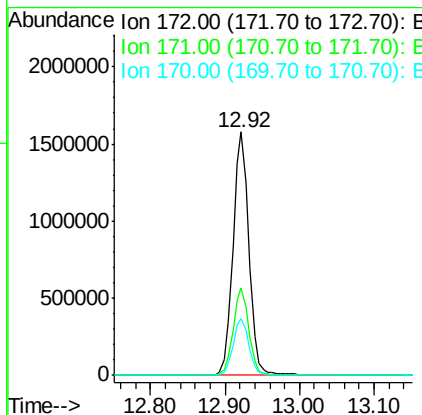
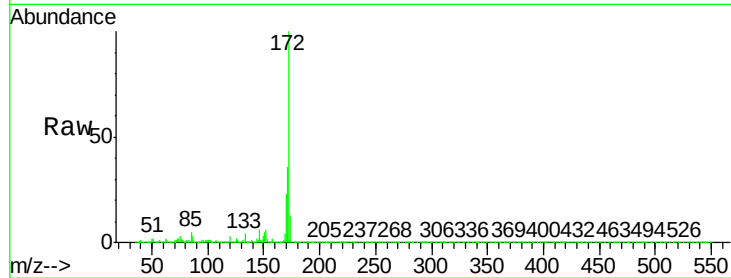




#45
2-Fluorobiphenyl
Concen: 55.806 ng
RT: 12.92 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

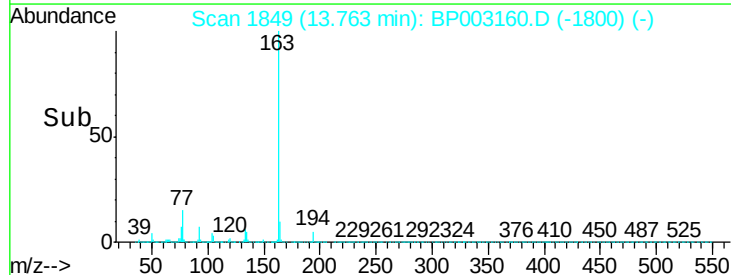
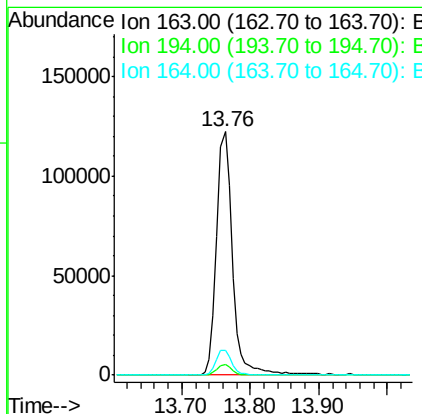
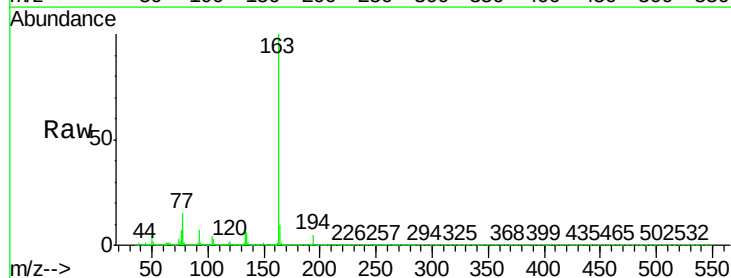
Instrument :
BNA_P
ClientSampled :

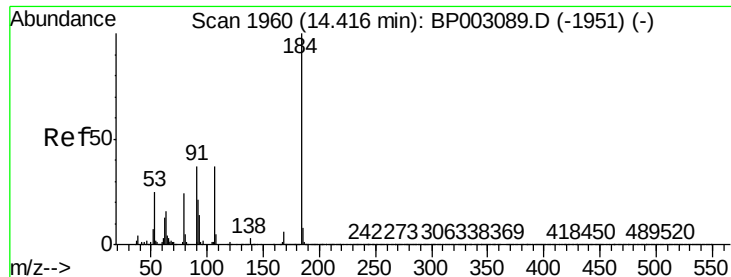
Tot Ion:172 Resp: 2364676
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.5 19.0 28.4



#50
Dimethylphthalate
Concen: 4.169 ng
RT: 13.76 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Tgt Ion:163 Resp: 197268
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 9.9 8.1 12.1

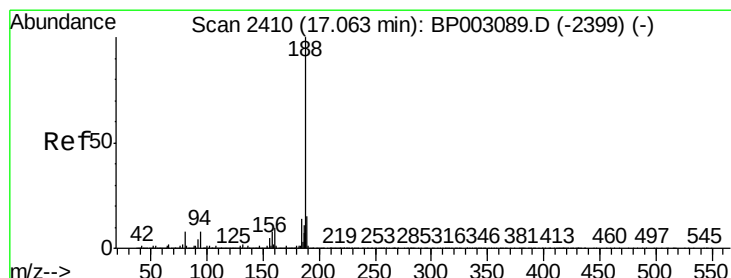
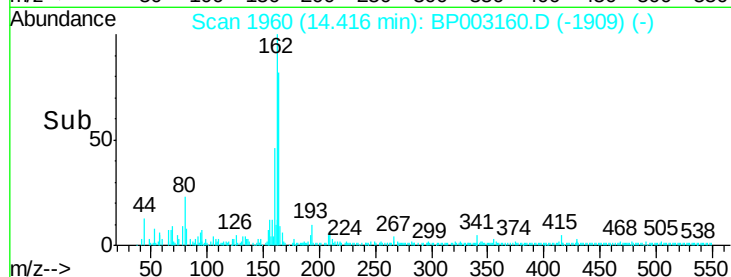
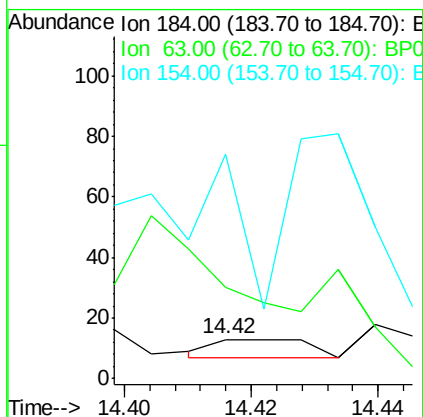
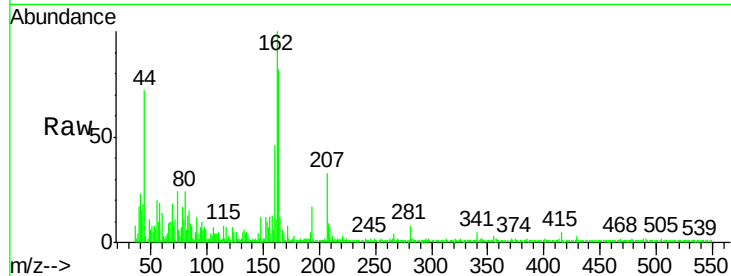




#54
 2,4-Dinitrophenol
 Concen: 7.756 ng
 RT: 14.42 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: BP003160.D
 Acq: 28 Aug 2020 20:32

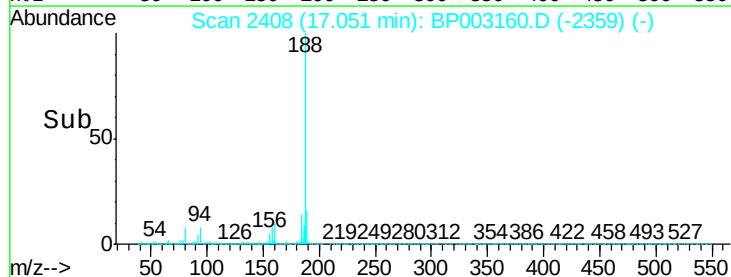
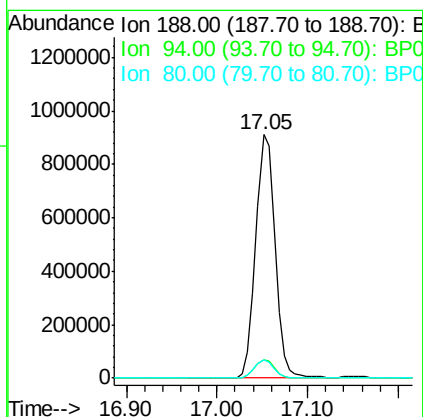
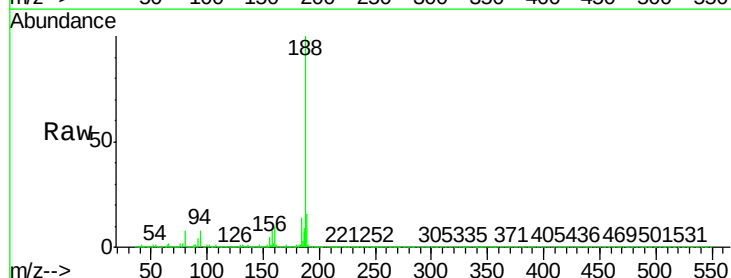
Instrument :
 BNA_P
 ClientSampled :

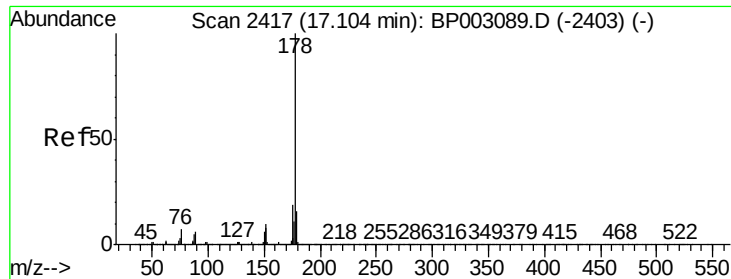
Tot Ion:184 Resp: 6
 Ion Ratio Lower Upper
 184 100
 63 230.8 32.0 48.0#
 154 569.2 48.2 72.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BP003160.D
 Acq: 28 Aug 2020 20:32

Tgt Ion:188 Resp: 1352398
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.2 9.4
 80 7.8 6.4 9.6

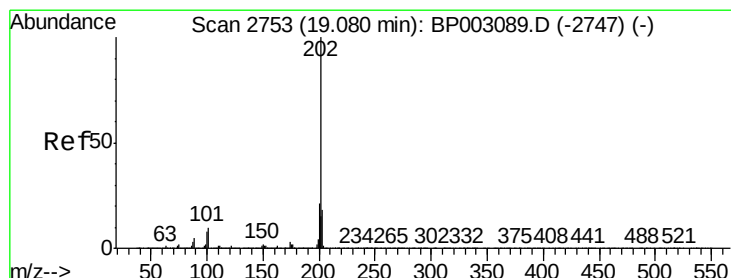
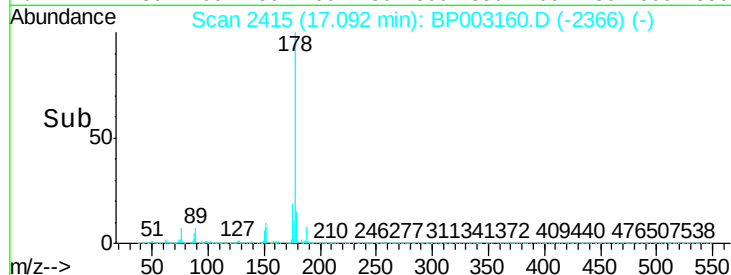
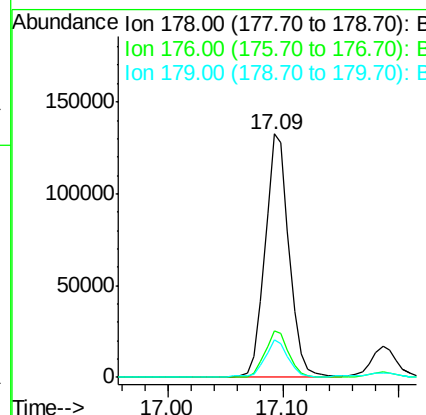
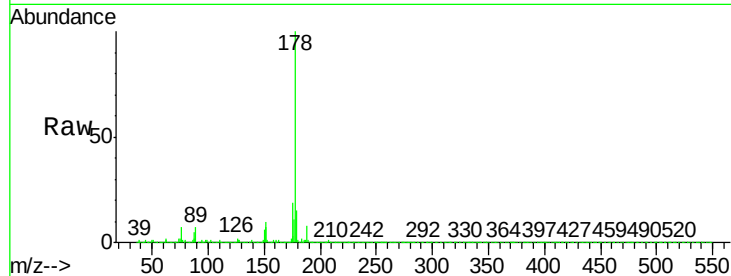




#71
Phenanthrene
Concen: 2.630 ng
RT: 17.09 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

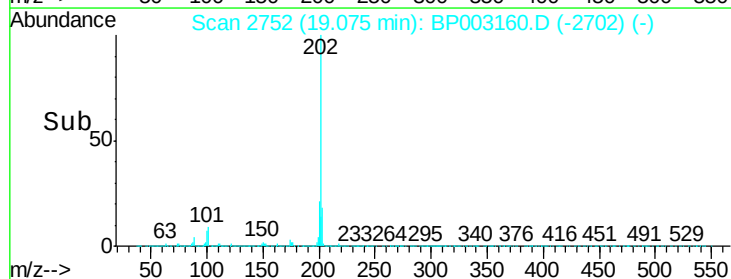
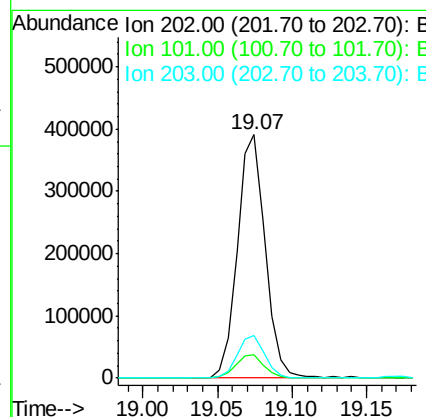
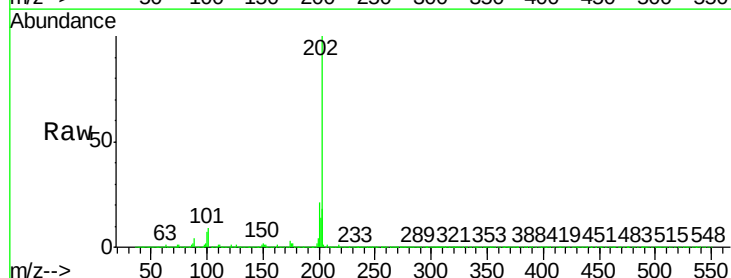
Instrument :
BNA_P
ClientSampleId :

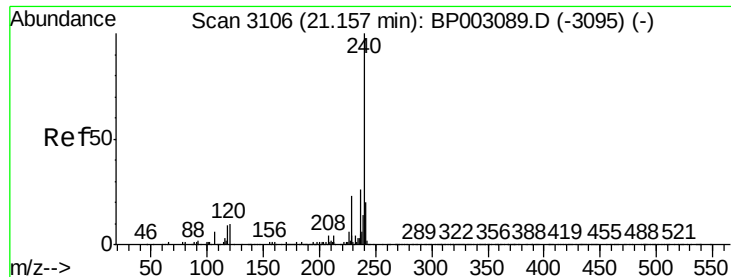
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.5	12.4	18.6



#75
Fluoranthene
Concen: 6.009 ng
RT: 19.07 min Scan# 2752
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.0
203	17.7	0.0	37.7

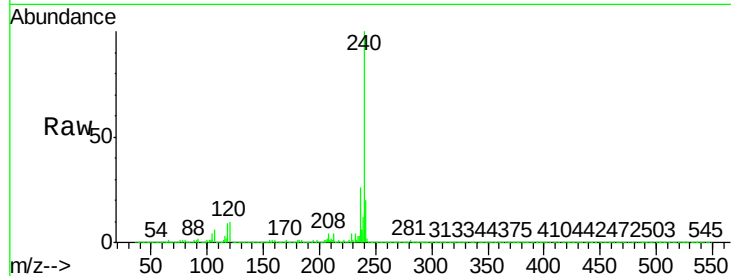




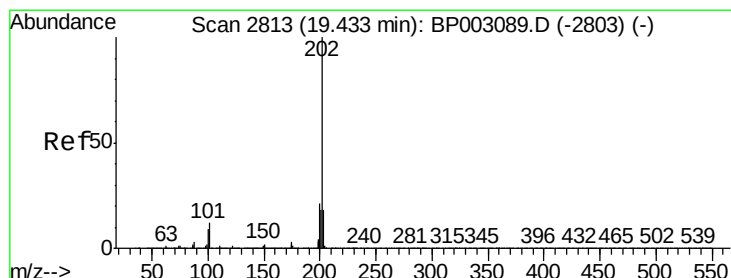
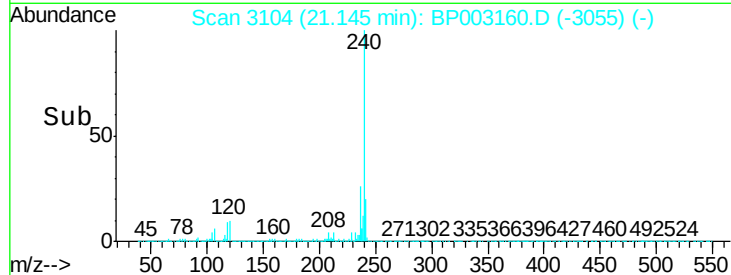
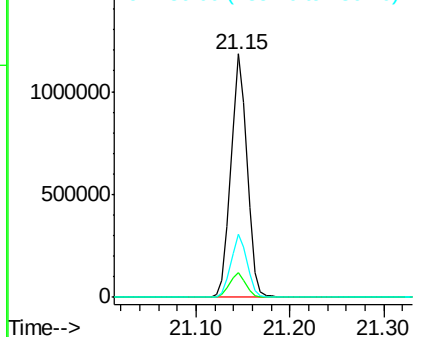
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 1420523
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 25.9 20.6 31.0

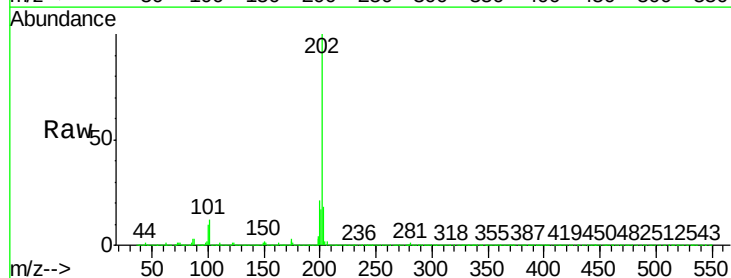


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

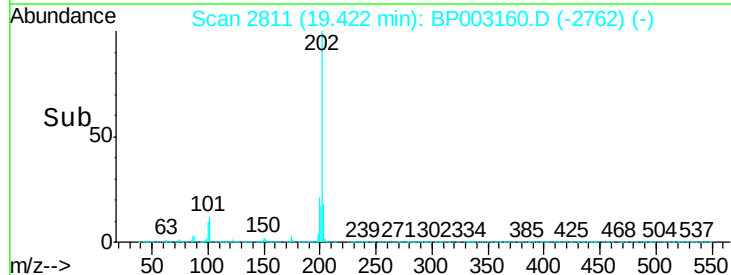
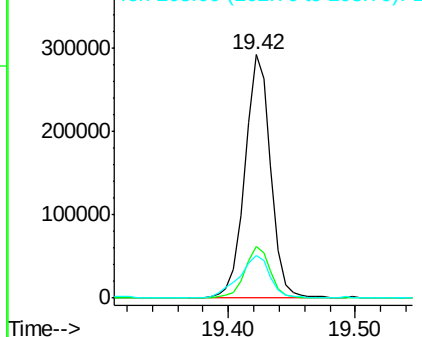


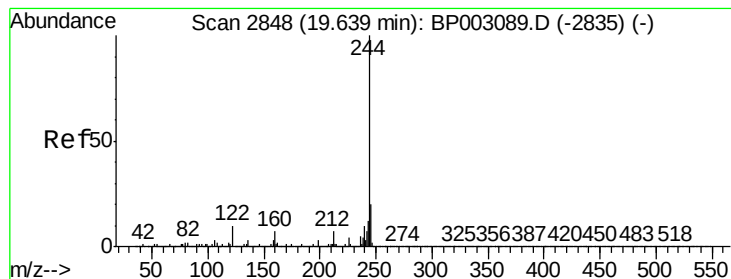
#78
Pyrene
Concen: 4.441 ng
RT: 19.42 min Scan# 2811
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Tgt Ion:202 Resp: 409444
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.8 14.0 21.0



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: 53.255 ng

RT: 19.63 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BP003160.D

Acq: 28 Aug 2020 20:32

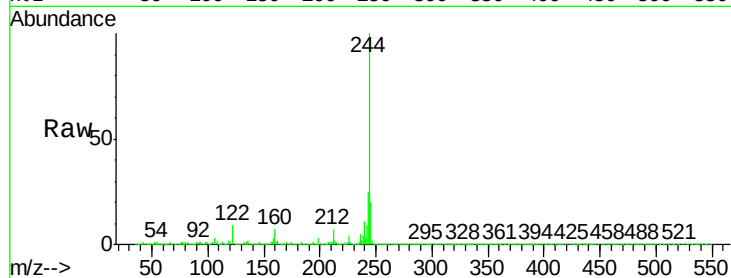
Instrument :

BNA_P

ClientSampleId :

Tot Ion:244 Resp: 3437971

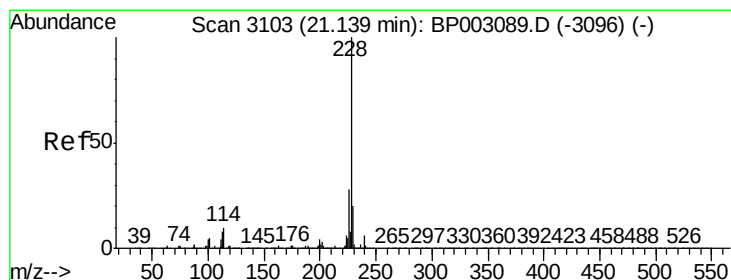
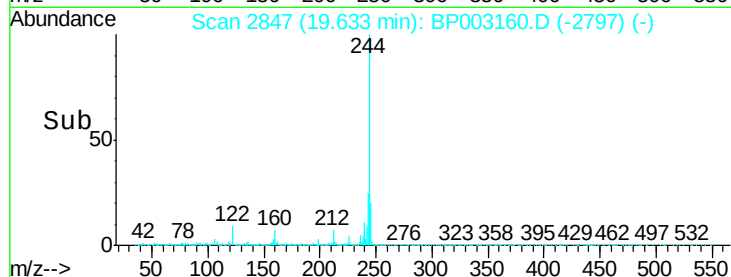
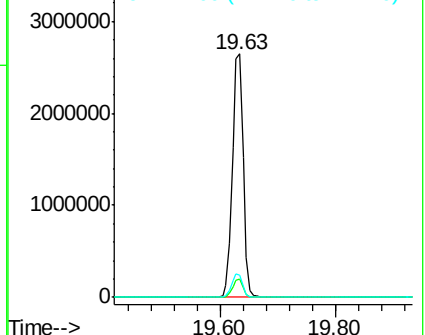
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	9.2	7.7	11.5



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: 2.353 ng

RT: 21.13 min Scan# 3102

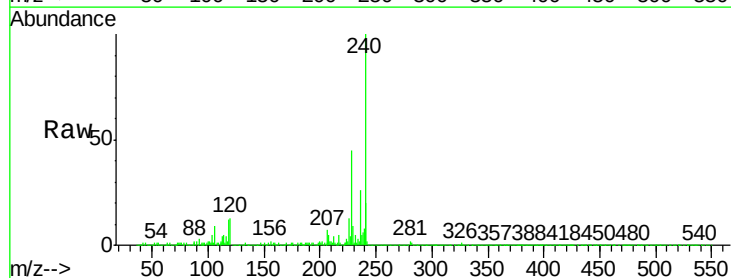
Delta R.T. -0.01 min

Lab File: BP003160.D

Acq: 28 Aug 2020 20:32

Tgt Ion:228 Resp: 209396

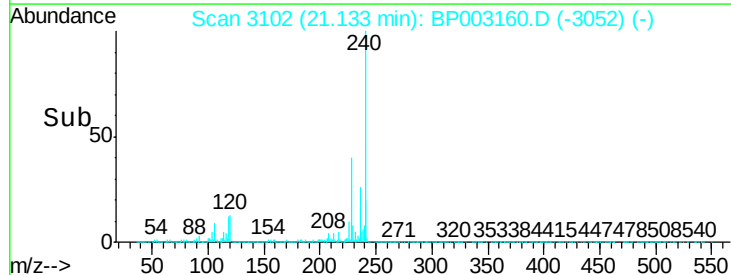
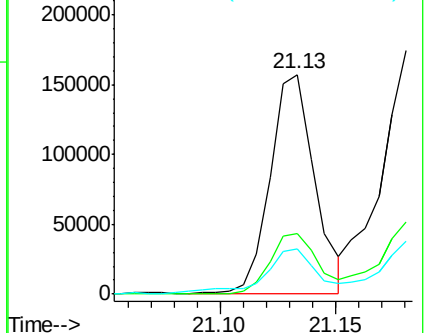
Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.0	33.0
229	20.3	16.2	24.2

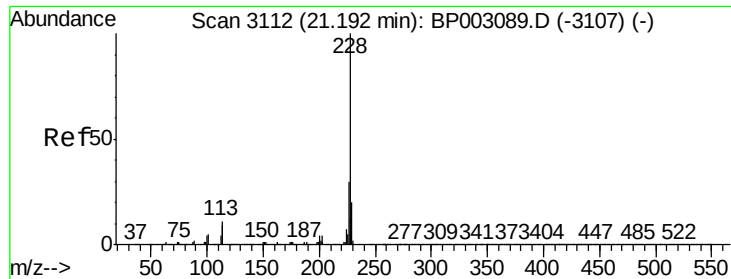


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

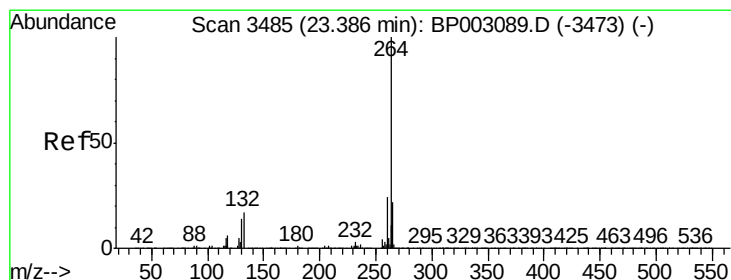
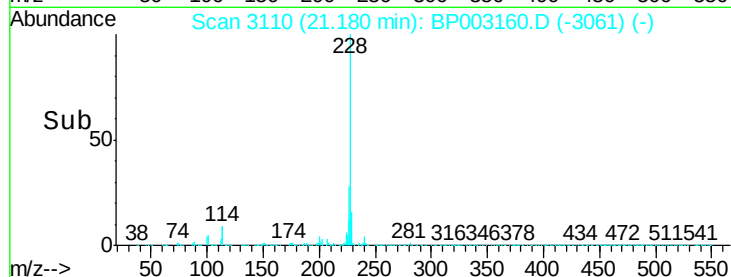
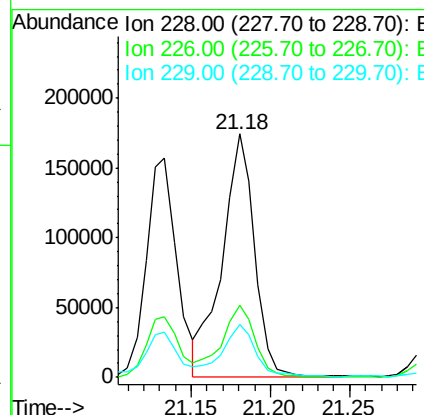
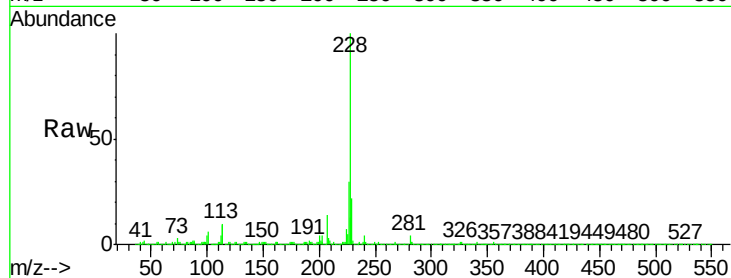




#83
Chrysene
Concen: 2.886 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

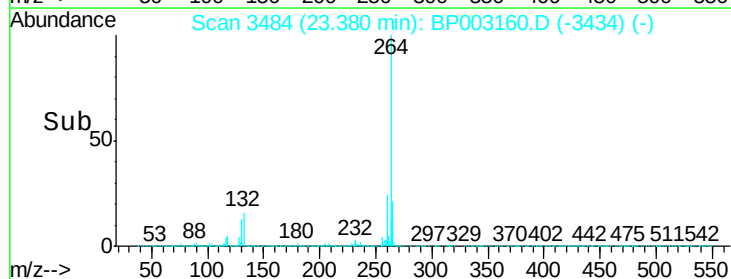
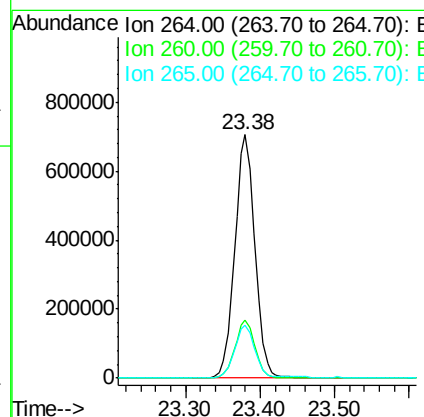
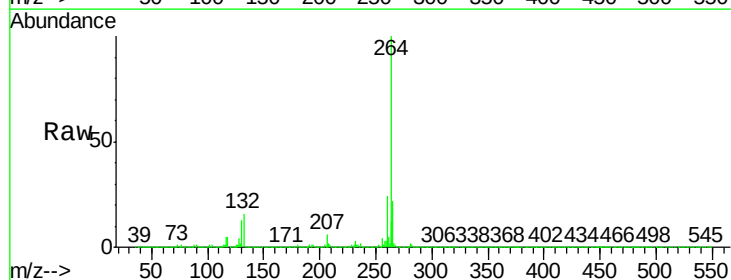
Instrument :
BNA_P
ClientSampleId :

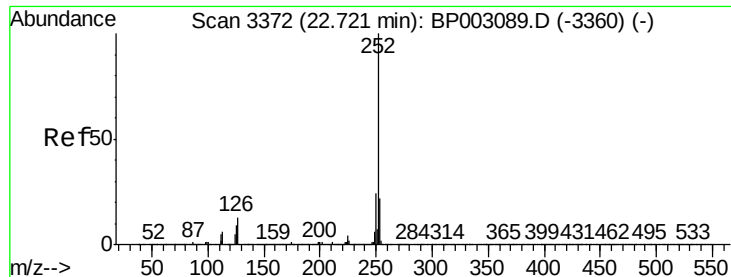
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.4
229	21.8	16.0	24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.6	17.7	26.5

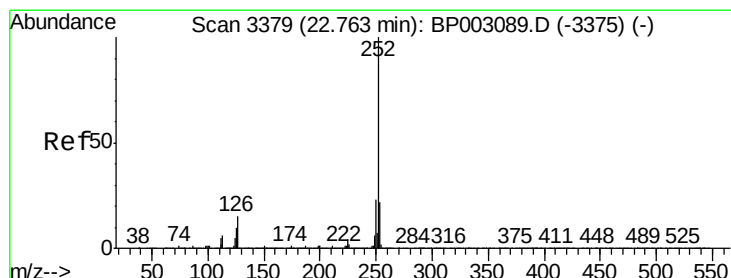
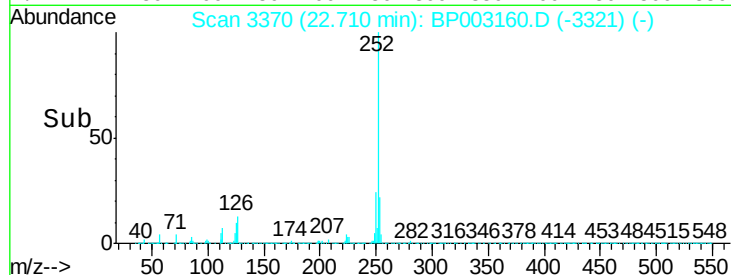
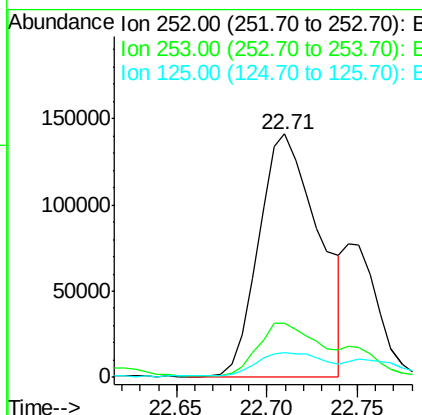
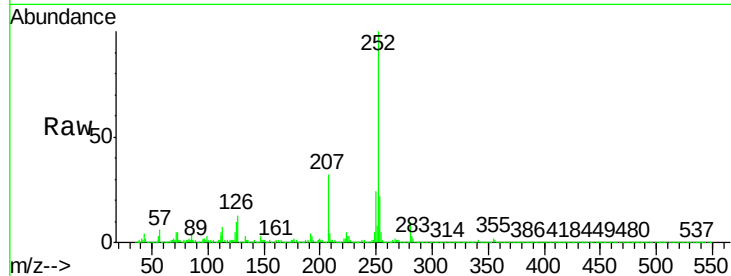




#88
Benzo(b)fluoranthene
Concen: 3.953 ng
RT: 22.71 min Scan# 3370
Delta R.T. -0.01 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

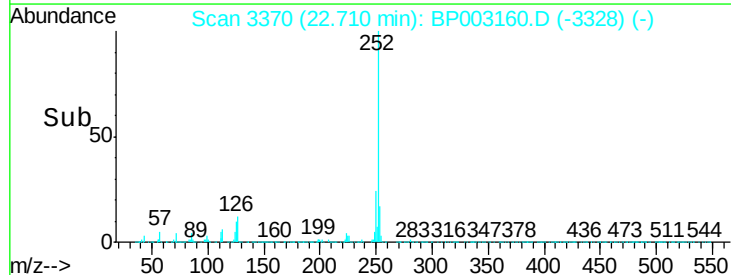
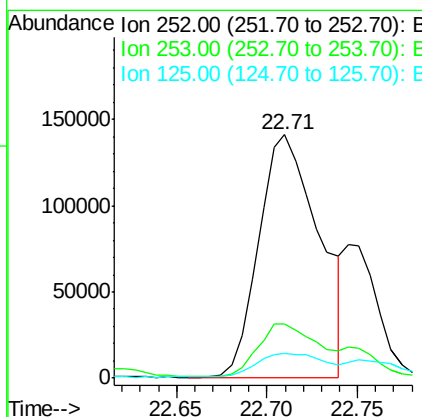
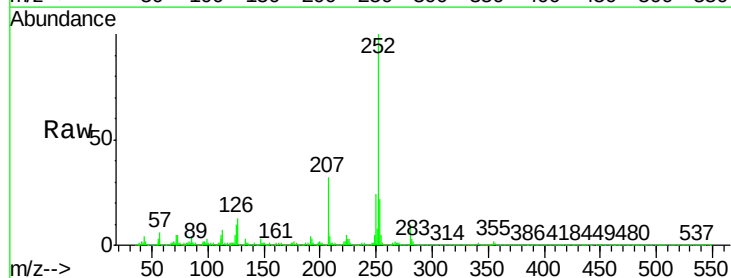
Instrument :
BNA_P
ClientSampleId :

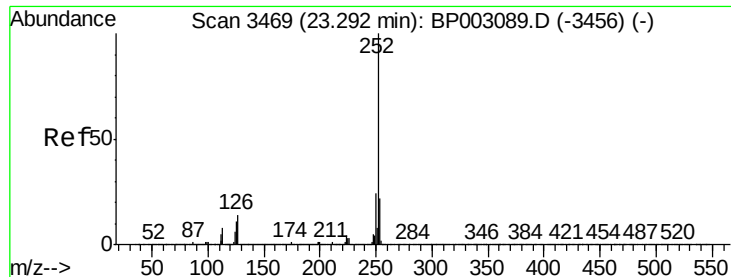
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.3	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 4.138 ng
RT: 22.71 min Scan# 3370
Delta R.T. -0.05 min
Lab File: BP003160.D
Acq: 28 Aug 2020 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.3	8.0	12.0





#90

Benzo(a)pyrene

Concen: 2.488 ng

RT: 23.28 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BP003160.D

Acq: 28 Aug 2020 20:32

Instrument :

BNA_P

ClientSampleId :

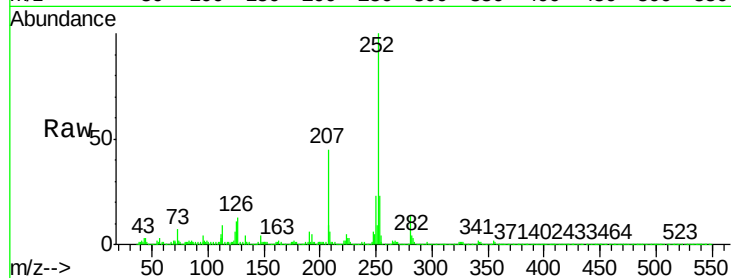
Tot Ion: 252 Resp: 189960

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 11.4 8.8 13.2



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

