

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
 Data File : BP000557.D
 Acq On : 07 Oct 2019 20:57
 Operator : JU
 Sample : K5213-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 08 06:11:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	266368	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	933811	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	487439	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	854957	20.00	ng	0.00
76) Chrysene-d12	13.99	240	760125	20.00	ng	0.01
87) Perylene-d12	15.47	264	800531	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1373401	82.88	ng	0.00
7) Phenol-d6	6.41	99	1242940	62.24	ng	0.00
23) Nitrobenzene-d5	7.33	82	1227802	80.30	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	638288	122.88	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	2428475	80.61	ng	0.00
79) Terphenyl-d14	12.93	244	2811452	74.89	ng	0.01

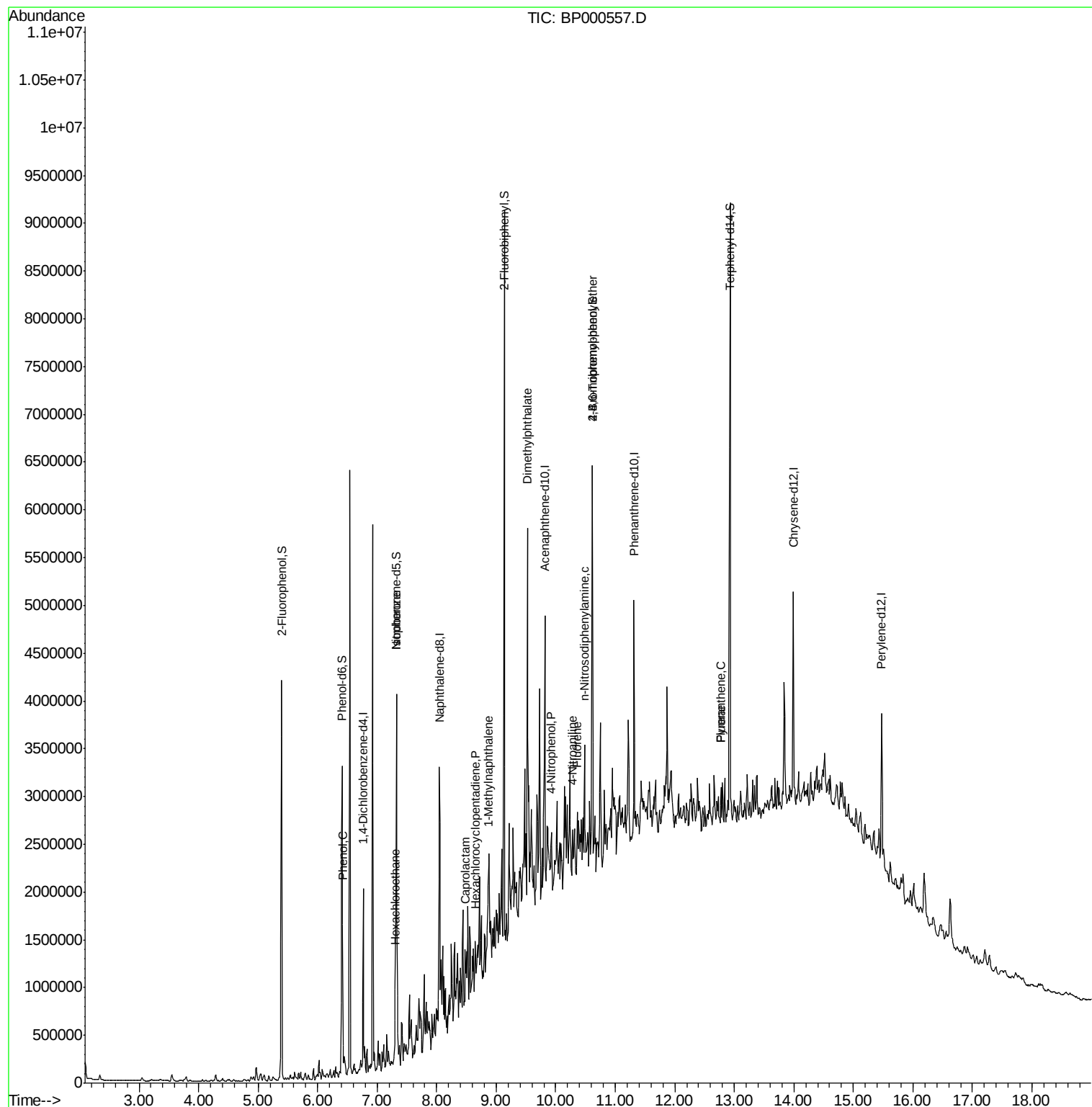
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	143252	7.007	ng	92
18) Hexachloroethane	7.30	117	31912	4.495	ng	# 1
25) Isophorone	7.33	82	1209602	44.576	ng	# 62
35) Caprolactam	8.48	113	24486	5.439	ng	# 1
38) 1-Methylnaphthalene	8.86	142	181366	6.556	ng	# 97
41) Hexachlorocyclopentadiene	8.66	237	28	7.301	ng	84
50) Dimethylphthalate	9.53	163	553471	16.341	ng	# 89
56) 4-Nitrophenol	9.92	139	15182	2.810	ng	# 1
58) Fluorene	10.37	166	60370	2.176	ng	# 83
62) 4-Nitroaniline	10.28	138	24214	2.975	ng	79
66) n-Nitrosodiphenylamine	10.48	169	146307	5.876	ng	# 51
67) 4-Bromophenyl-phenvlether	10.62	248	41968	4.361	ng	# 1
75) Fluoranthene	12.77	202	156560	3.246	ng	88
78) Pyrene	12.77	202	156560	2.986	ng	# 93

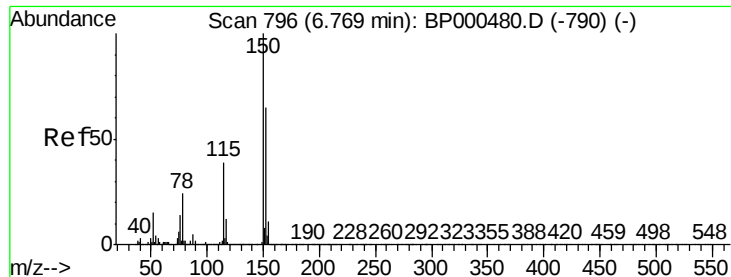
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000557.D
Acq On : 07 Oct 2019 20:57
Operator : JU
Sample : K5213-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

Quant Time: Oct 08 06:11:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 01 18:03:42 2019
Response via : Initial Calibration



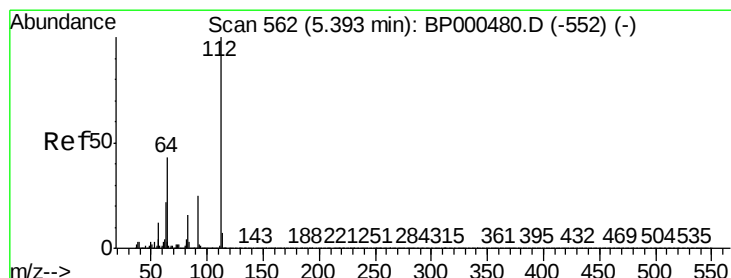
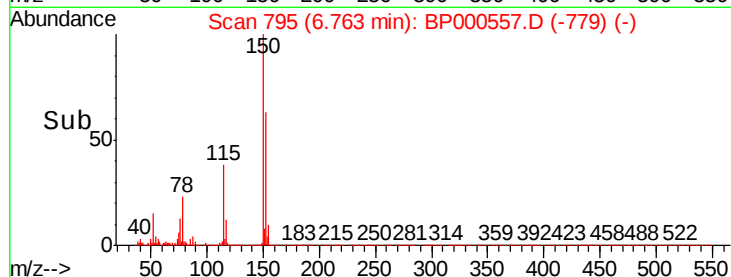
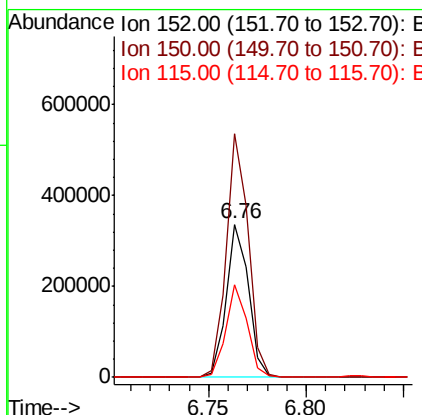
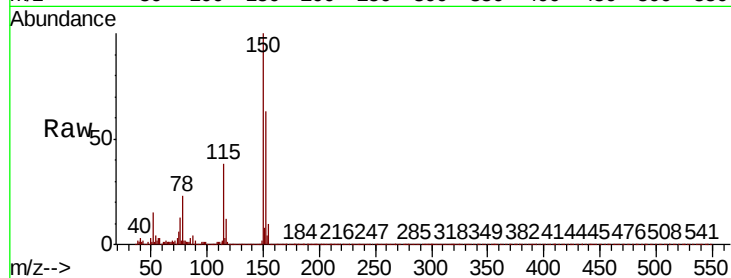


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

Instrument :
BNA_P
ClientSampleId :

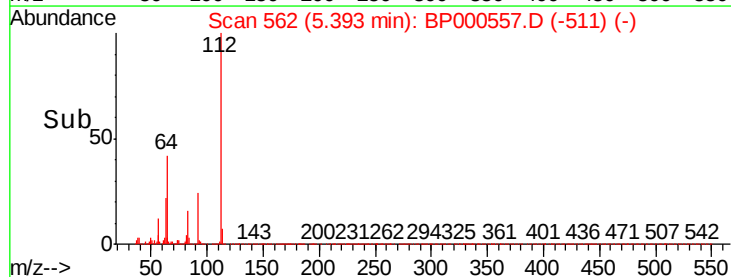
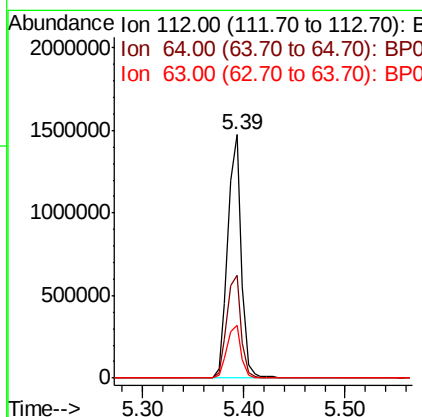
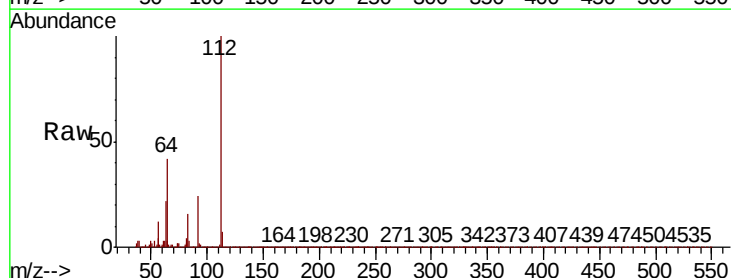
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.1	186.1
115	60.1	48.7	73.1

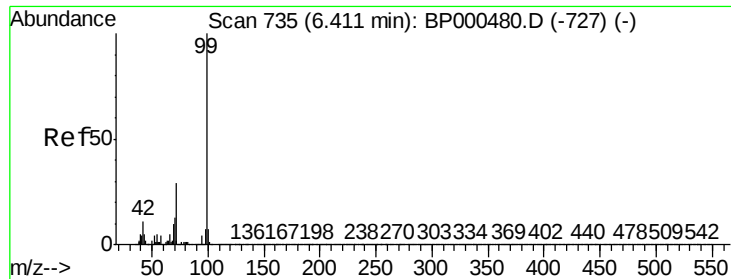


#5

2-Fluorophenol
Concen: 82.880 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.2	34.2	51.4
63	21.6	17.9	26.9





#7

Phenol-d6

Concen: 62.245 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.00 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

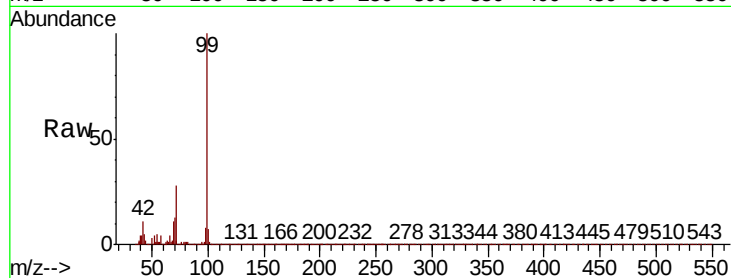
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1242940

Ion	Ratio	Lower	Upper
99	100		
42	10.7	8.6	12.8
71	28.1	23.0	34.4

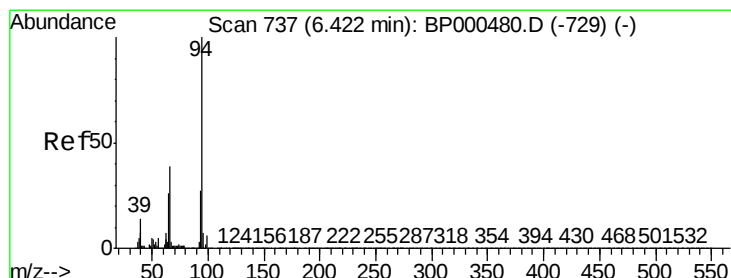
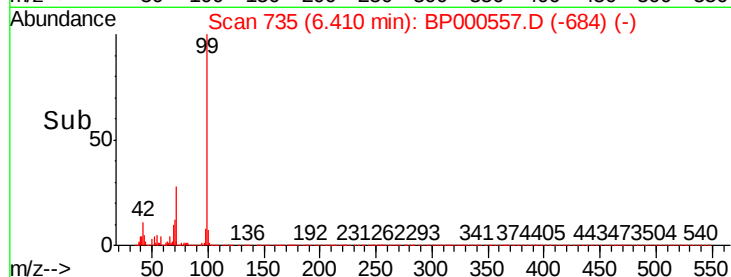
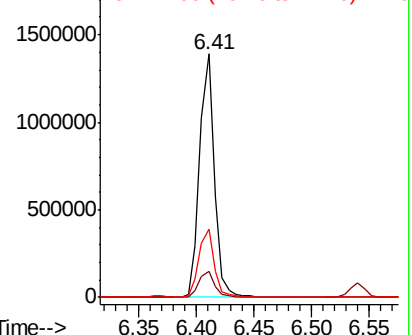


Abundance

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



#10

Phenol

Concen: 7.007 ng

RT: 6.42 min Scan# 737

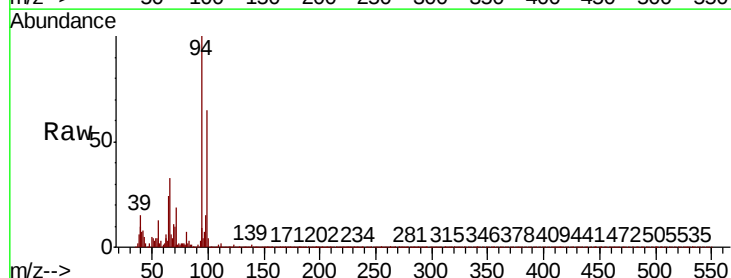
Delta R.T. -0.00 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

Tgt Ion: 94 Resp: 143252

Ion	Ratio	Lower	Upper
94	100		
65	23.5	5.9	45.9
66	32.7	18.8	58.8

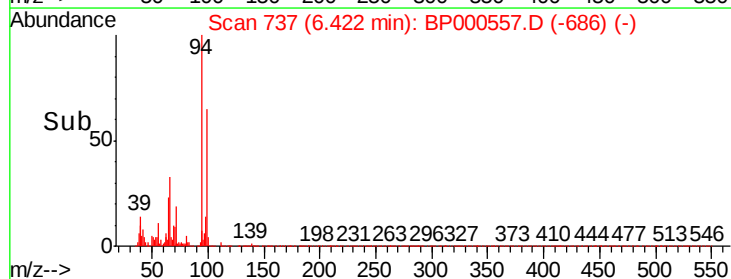
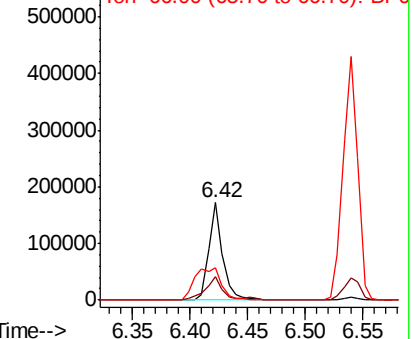


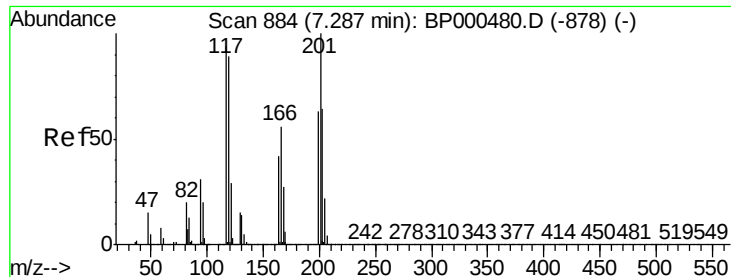
Abundance

Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0





#18

Hexachloroethane

Concen: 4.495 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.02 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

Instrument :

BNA_P

ClientSampleId :

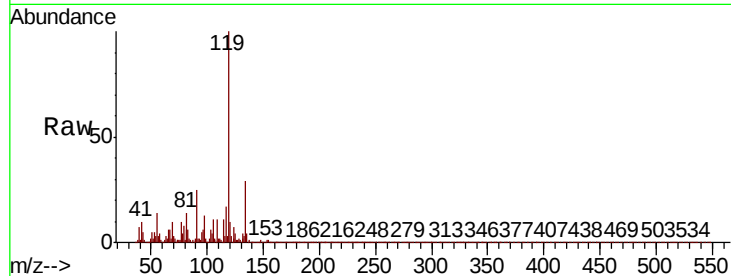
Tot Ion:117 Resp: 31912

Ion Ratio Lower Upper

117 100

119 572.7 76.3 114.5#

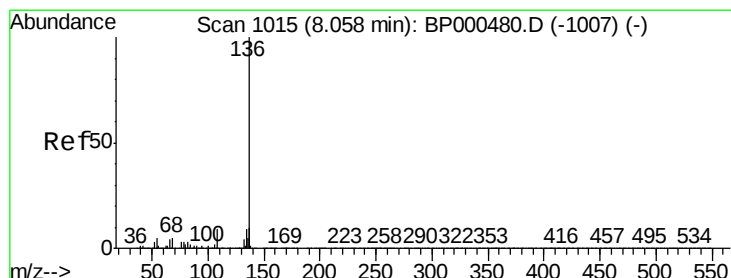
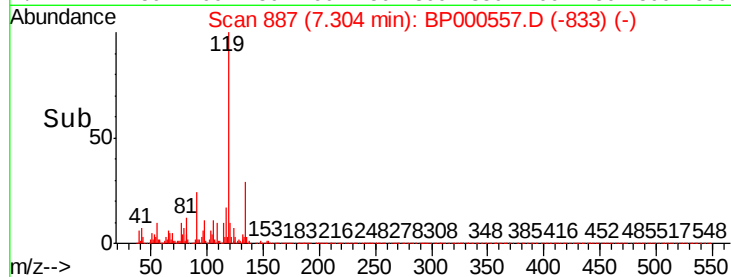
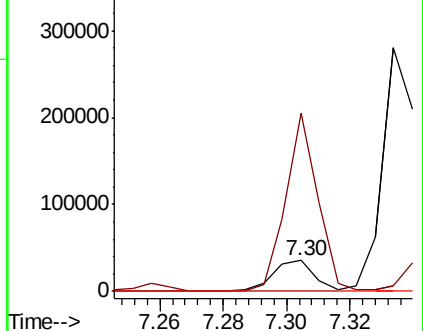
201 0.1 85.4 128.0#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

Tgt Ion:136 Resp: 933811

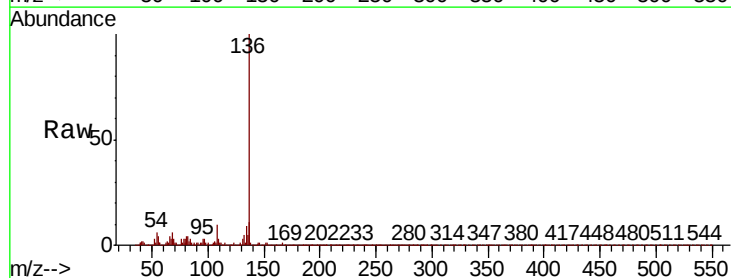
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 5.5 4.1 6.1

68 5.9 4.1 6.1

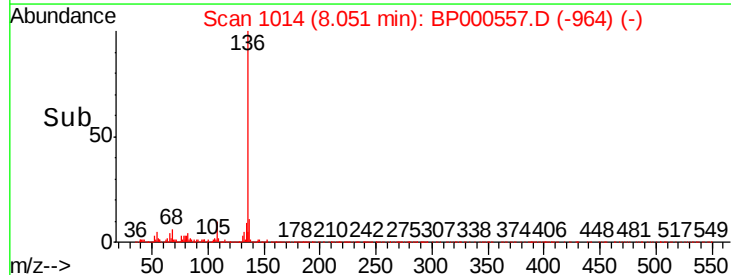
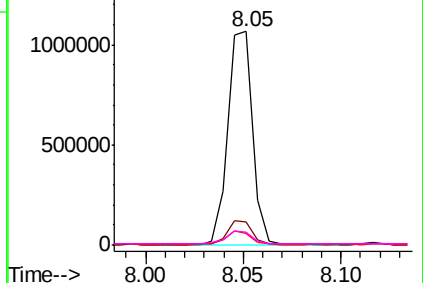


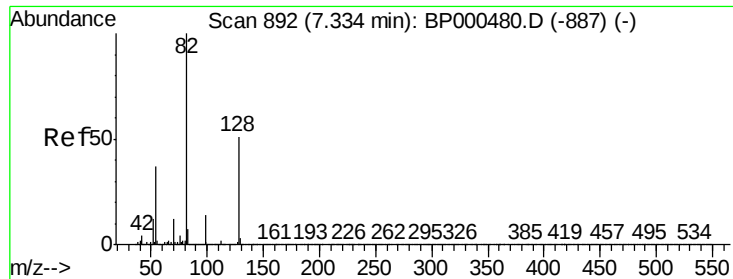
Abundance Ion 136.00 (135.70 to 136.70): E

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

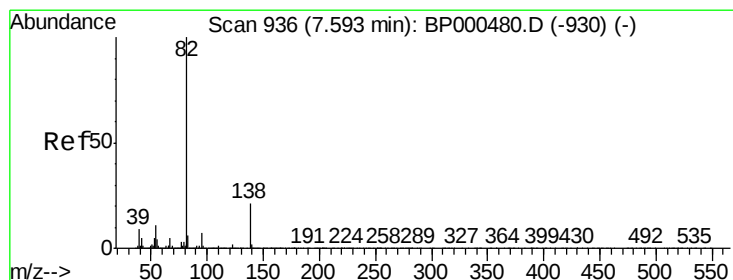
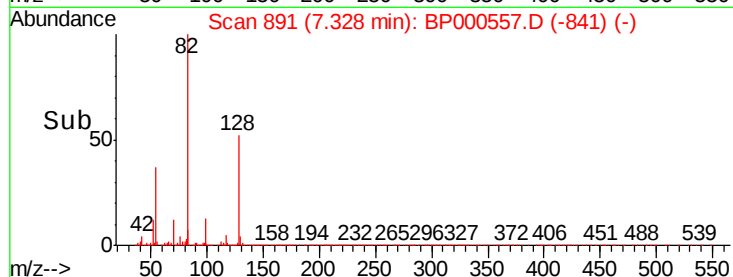
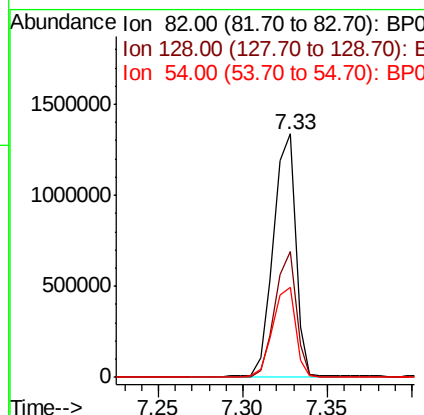
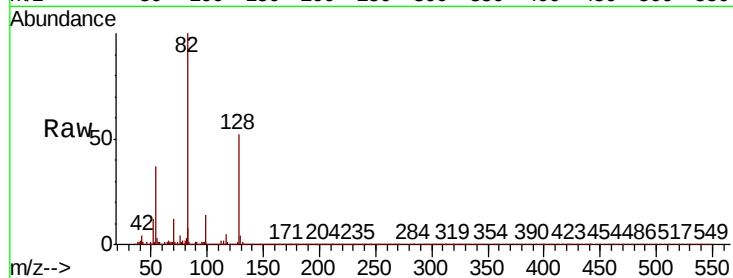




#23
 Nitrobenzene-d5
 Concen: 80.304 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BP000557.D
 Acq: 07 Oct 2019 20:57

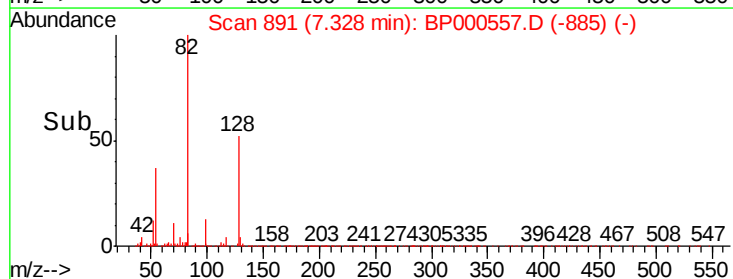
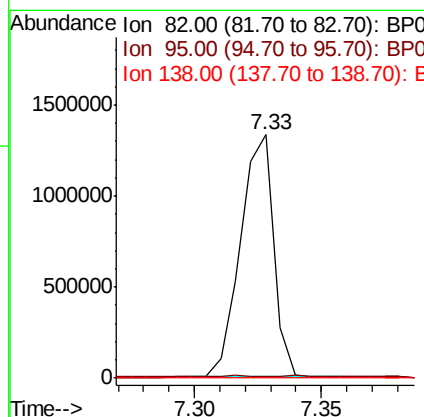
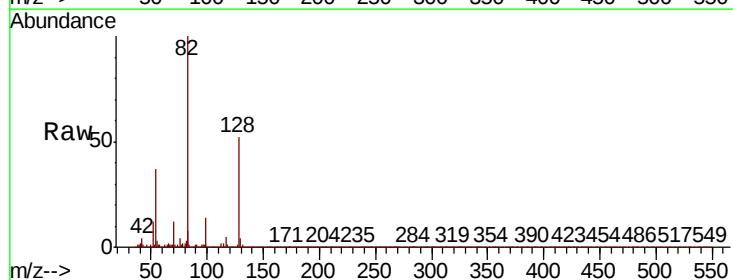
Instrument :
 BNA_P
 ClientSampleId :

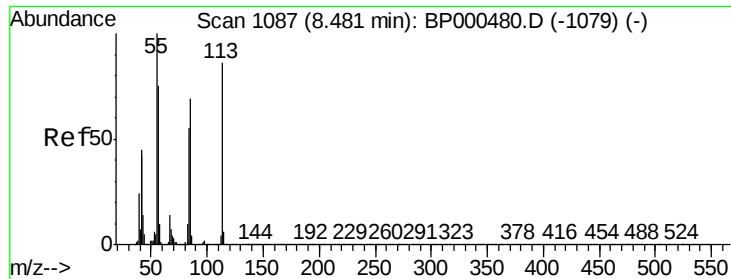
Tot Ion: 82 Resp: 1227802
 Ion Ratio Lower Upper
 82 100
 128 51.9 40.9 61.3
 54 36.9 29.4 44.2



#25
 Isophorone
 Concen: 44.576 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.26 min
 Lab File: BP000557.D
 Acq: 07 Oct 2019 20:57

Tgt Ion: 82 Resp: 1209602
 Ion Ratio Lower Upper
 82 100
 95 0.8 5.8 8.6#
 138 0.1 17.0 25.4#





#35

Caprolactam

Concen: 5.439 ng

RT: 8.48 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

Instrument :

BNA_P

ClientSampled :

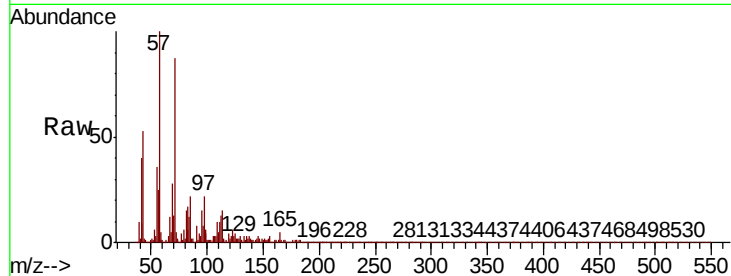
Tot Ion:113 Resp: 24486

Ion Ratio Lower Upper

113 100

55 243.8 95.9 135.9#

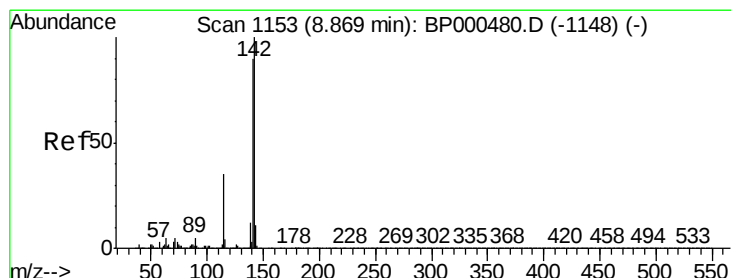
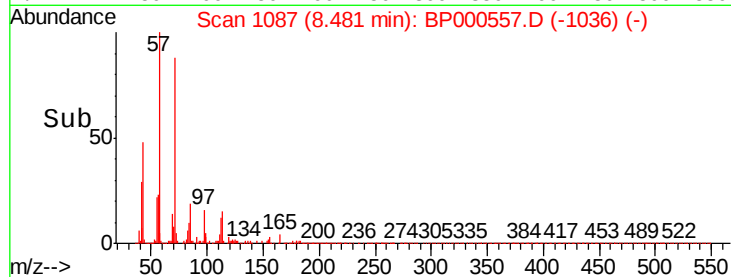
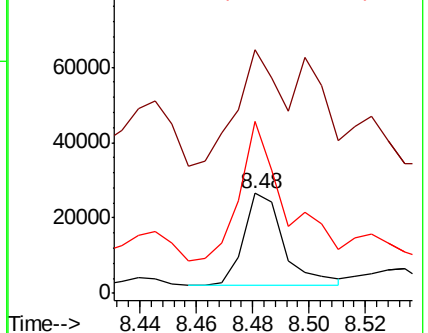
56 172.1 67.2 107.2#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BP0

Ion 56.00 (55.70 to 56.70): BP0



#38

1-Methylnaphthalene

Concen: 6.556 ng

RT: 8.86 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

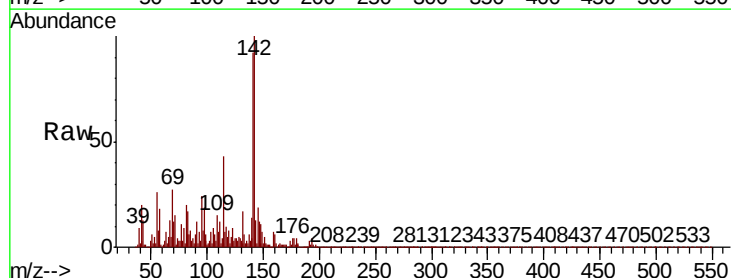
Tgt Ion:142 Resp: 181366

Ion Ratio Lower Upper

142 100

141 92.3 71.9 107.9

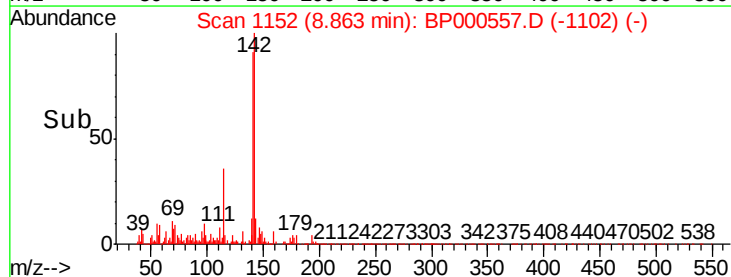
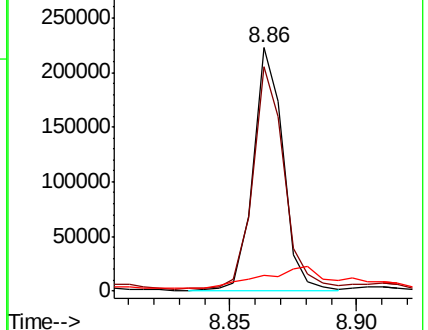
116 6.6 3.0 4.4#

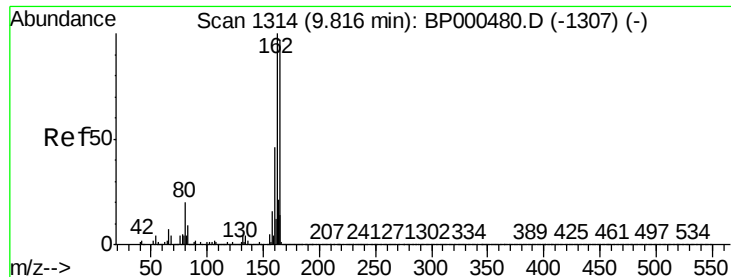


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

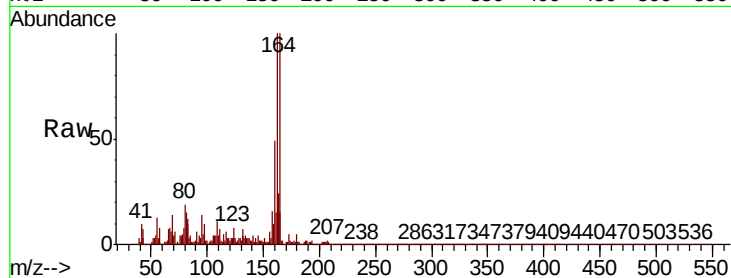




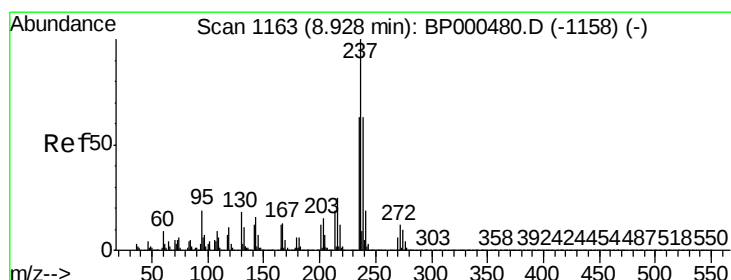
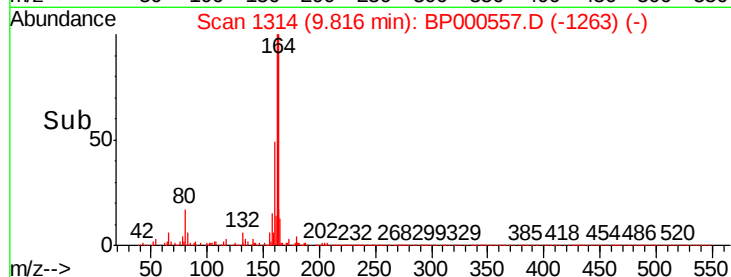
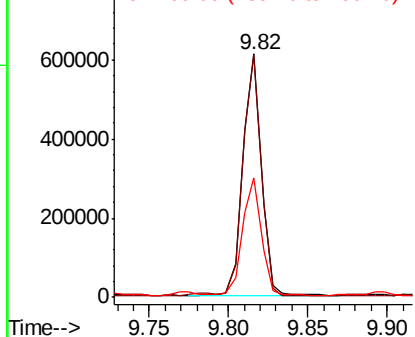
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.5	82.2	123.2
160	49.1	37.6	56.4

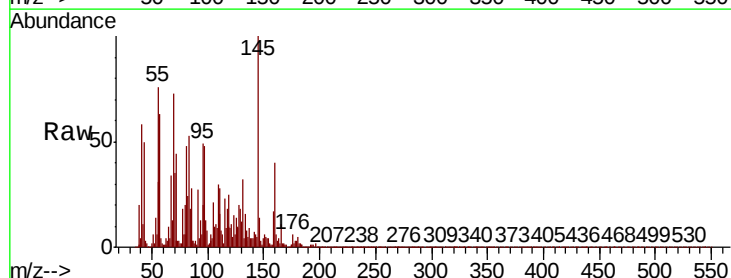


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

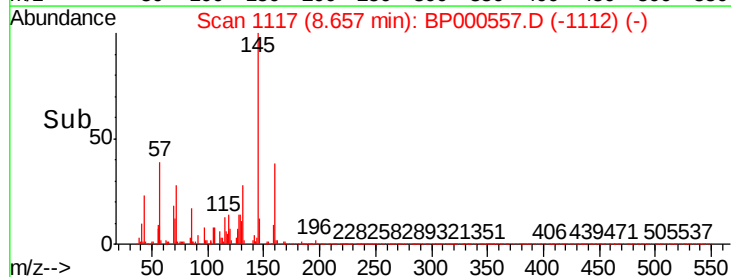
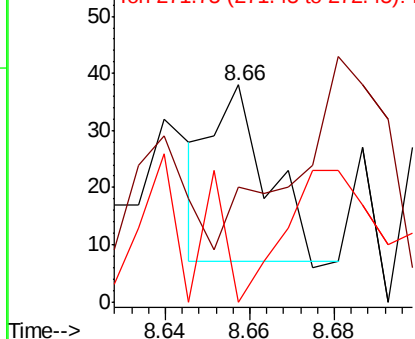


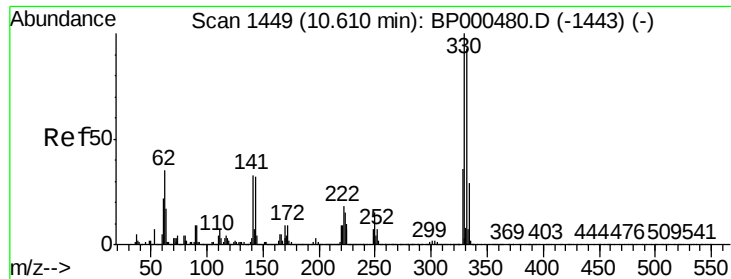
#41
Hexachlorocyclopentadiene
Concen: 7.301 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.27 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
237	100		
235	52.6	42.9	82.9
272	0.0	0.0	32.4



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

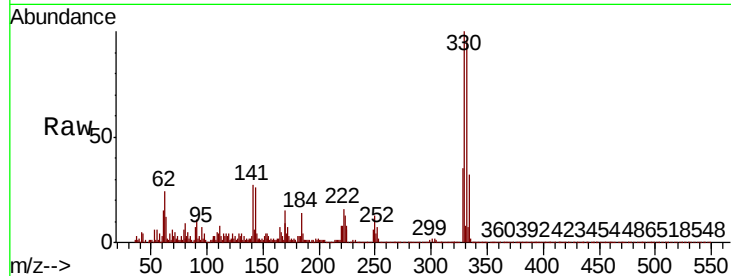




#42
 2,4,6-Tribromophenol
 Concen: 122.884 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BP000557.D
 Acq: 07 Oct 2019 20:57

Instrument :
 BNA_P
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	30.9	26.0	39.0

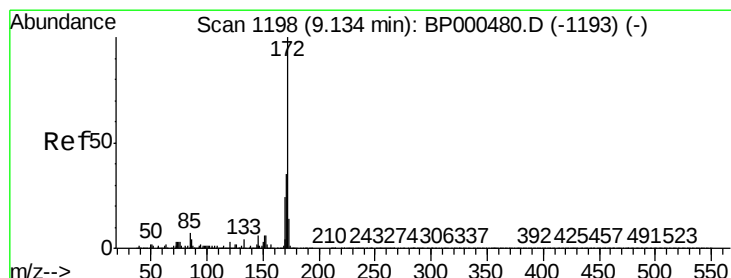
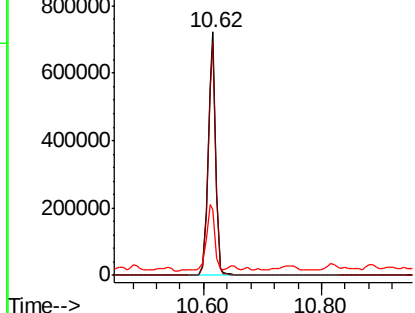
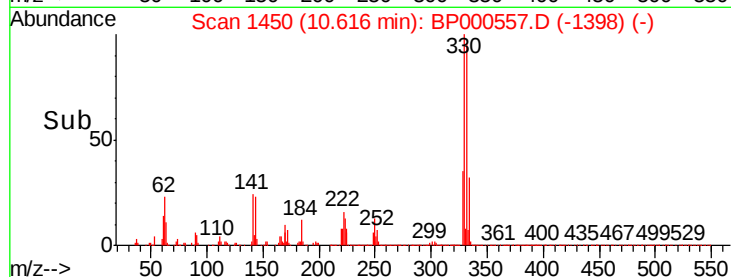


Abundance

Ion 329.80 (329.50 to 330.50): E

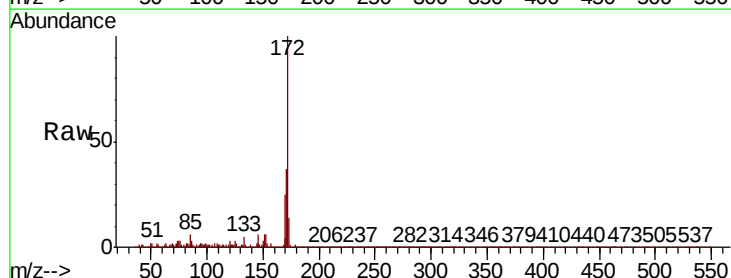
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 80.610 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BP000557.D
 Acq: 07 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.4	42.6
170	24.6	19.1	28.7

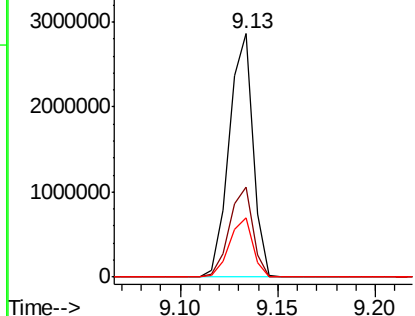
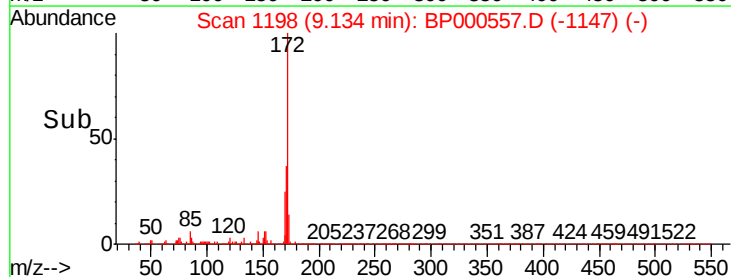


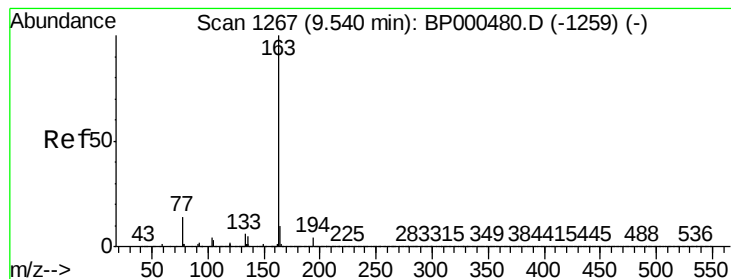
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 16.341 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

Instrument :

BNA_P

ClientSampled :

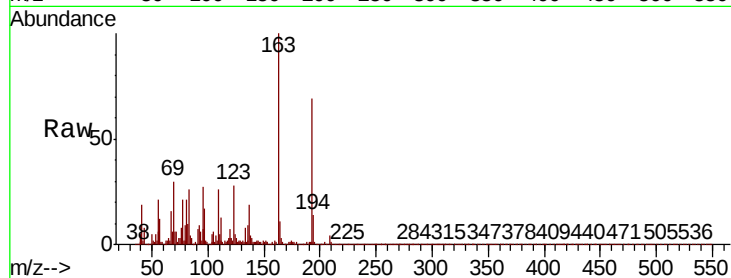
Tot Ion:163 Resp: 553471

Ion Ratio Lower Upper

163 100

194 14.5 3.4 5.2#

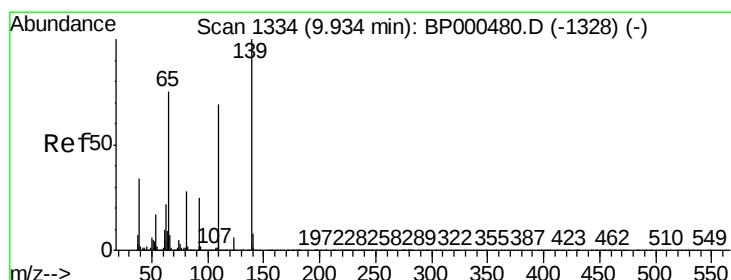
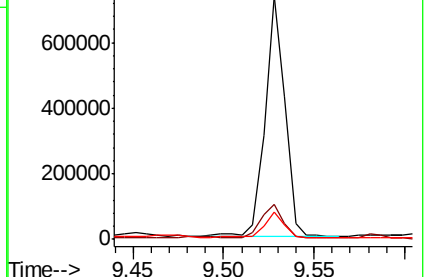
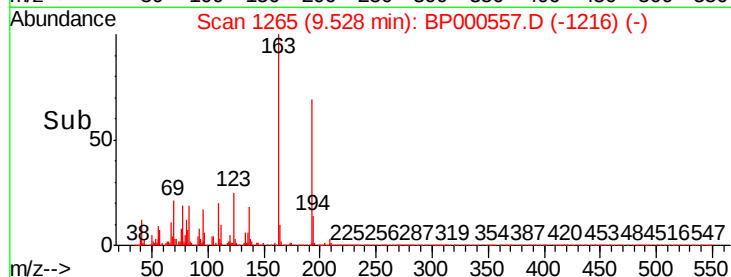
164 11.0 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

4-Nitrophenol

Concen: 2.810 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

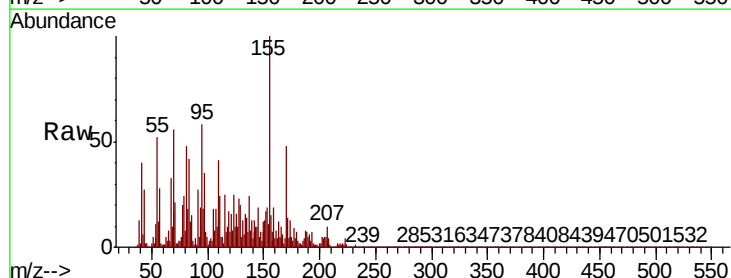
Tgt Ion:139 Resp: 15182

Ion Ratio Lower Upper

139 100

109 328.3 48.6 88.6#

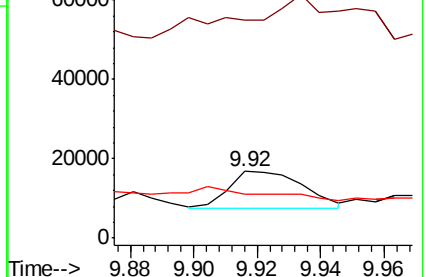
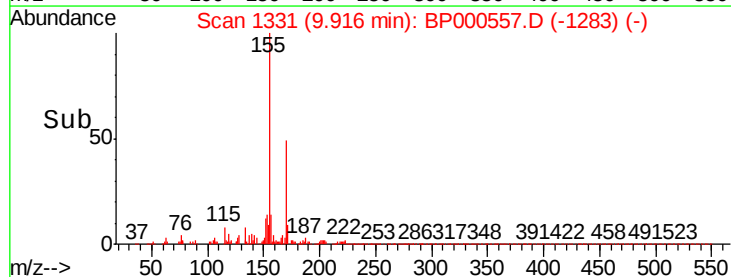
65 66.1 55.3 95.3

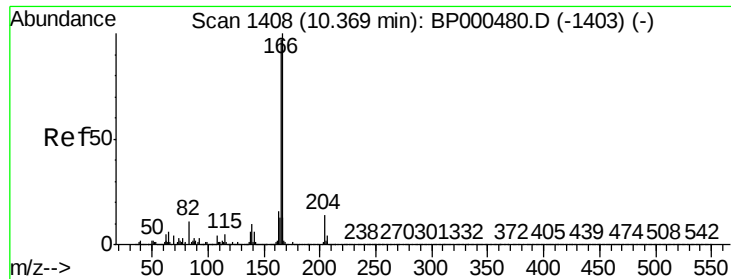


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO





#58

Fluorene

Concen: 2.176 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

Instrument :

BNA_P

ClientSampleId :

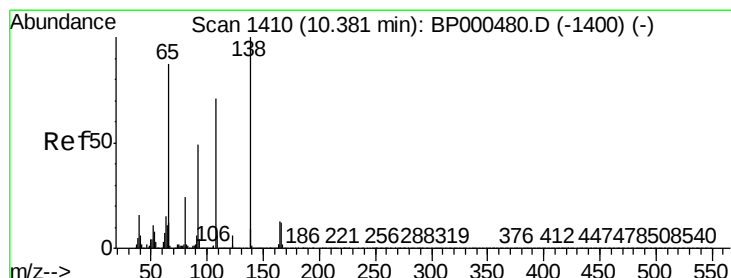
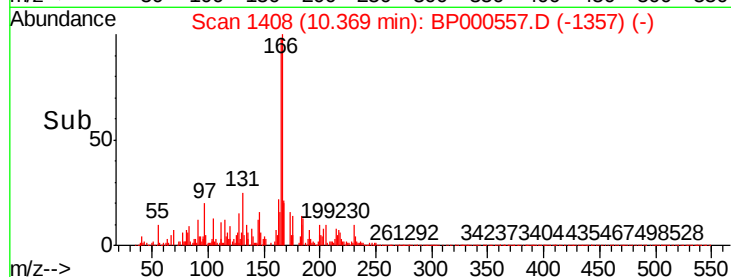
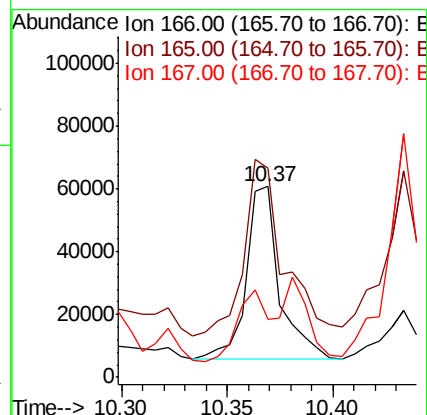
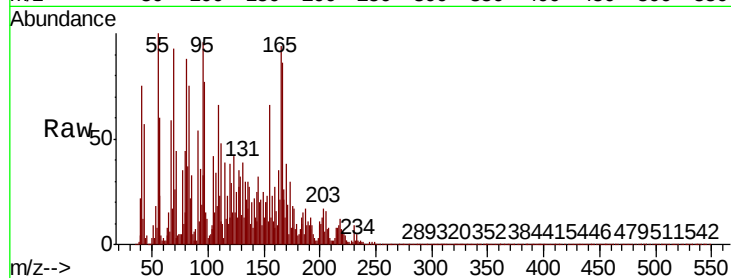
Tot Ion:166 Resp: 60370

Ion Ratio Lower Upper

166 100

165 109.3 77.3 115.9

167 30.5 10.6 16.0#



#62

4-Nitroaniline

Concen: 2.975 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.10 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

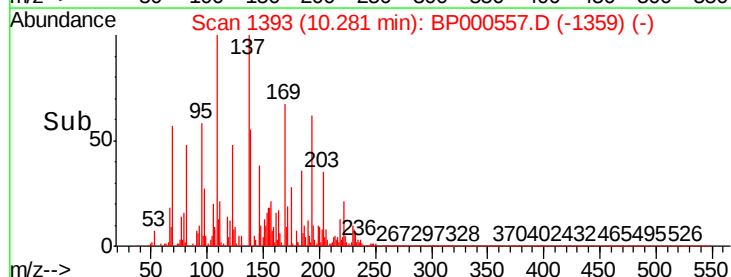
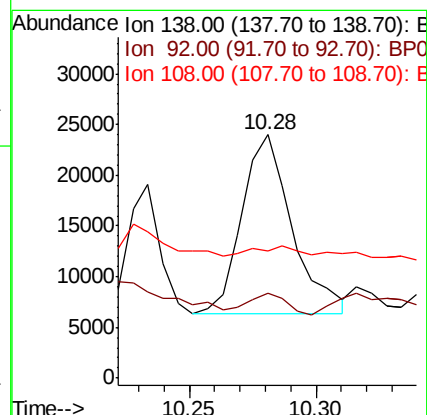
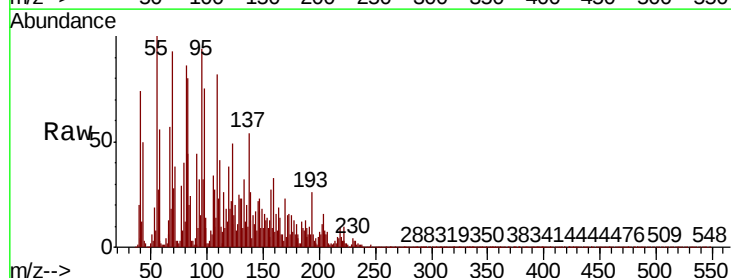
Tgt Ion:138 Resp: 24214

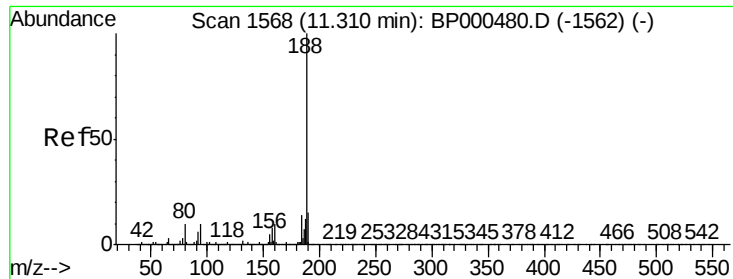
Ion Ratio Lower Upper

138 100

92 34.8 28.7 68.7

108 52.4 50.6 90.6

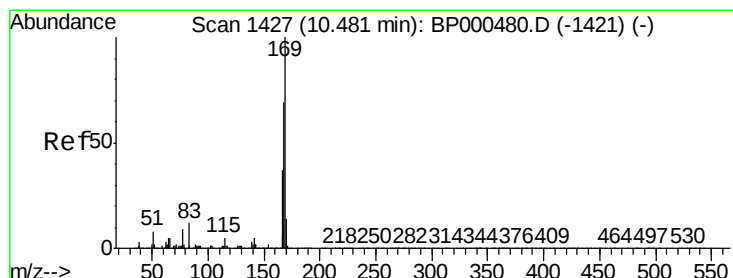
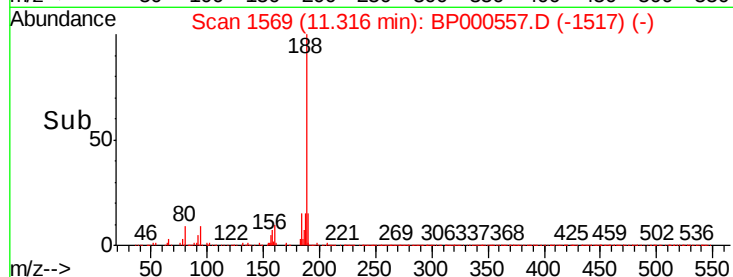
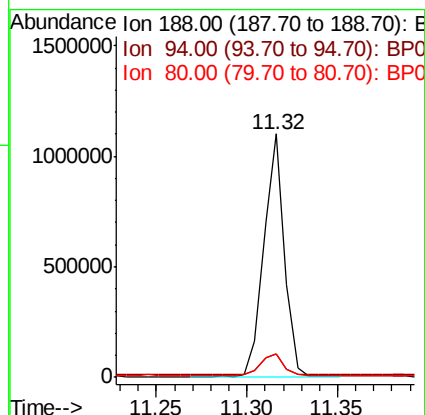
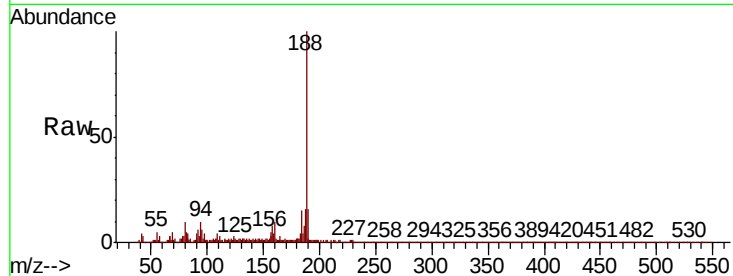




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

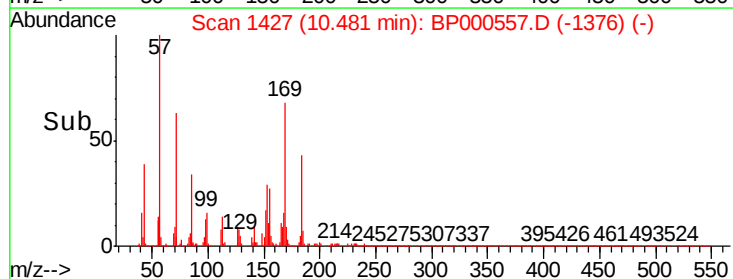
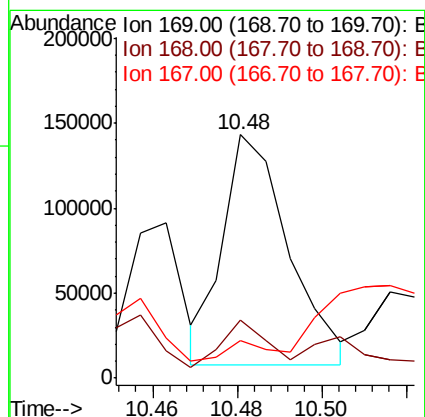
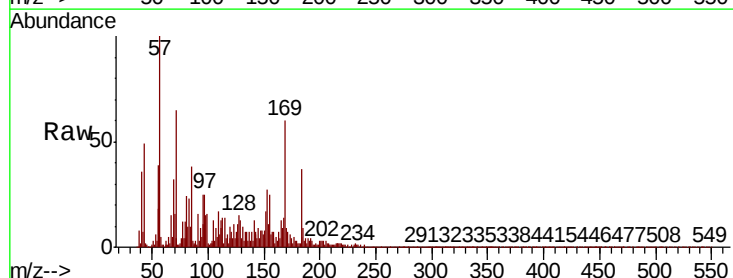
Instrument :
BNA_P
ClientSampled :

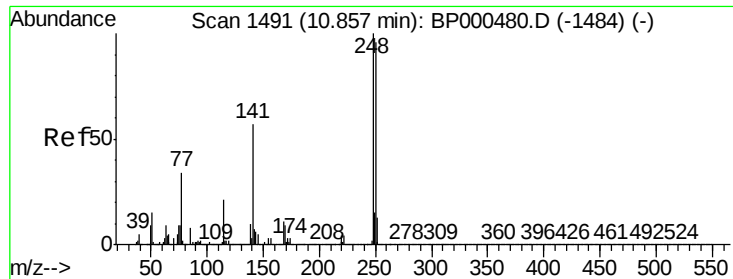
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	9.7	8.3	12.5



#66
n-Nitrosodiphenylamine
Concen: 5.876 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
169	100		
168	24.0	55.4	83.2#
167	15.3	29.4	44.2#

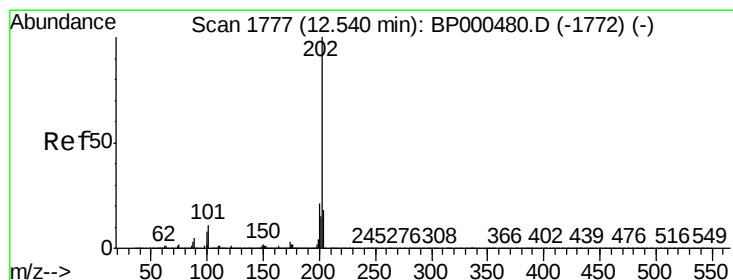
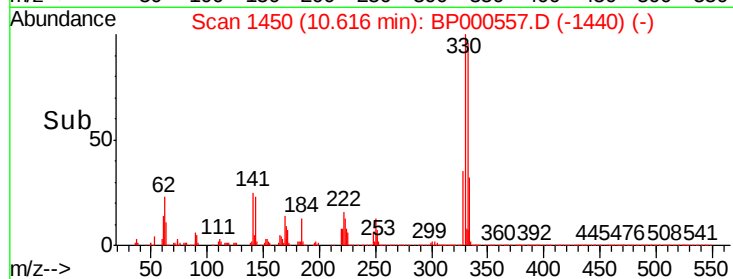
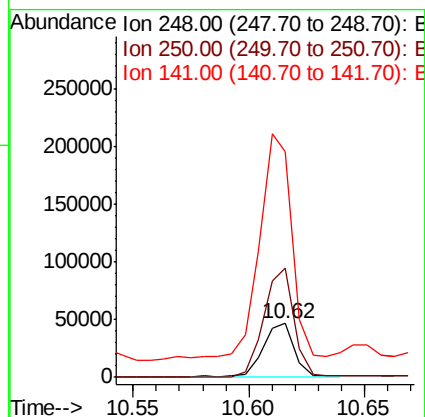
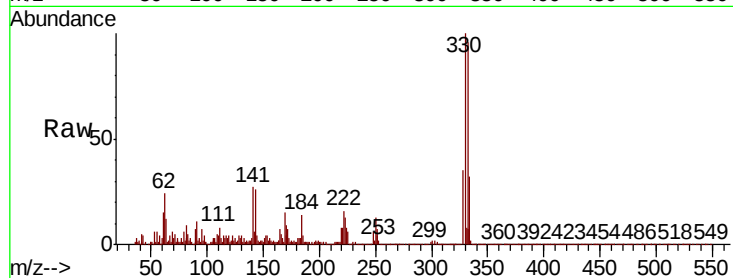




#67
4-Bromophenyl-phenylether
Concen: 4.361 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

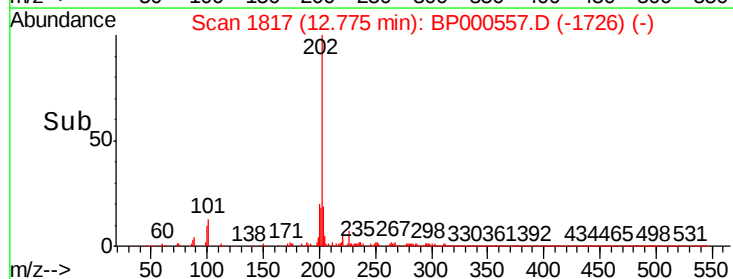
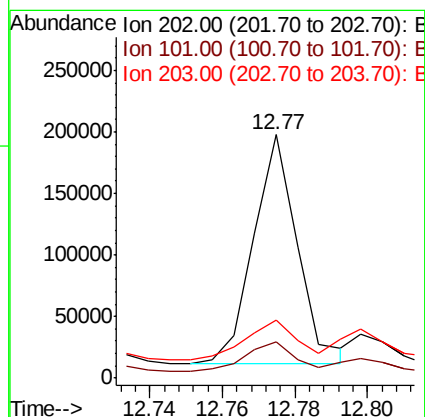
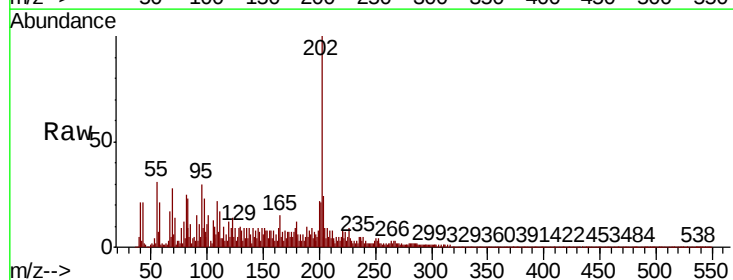
Instrument :
BNA_P
ClientSampled :

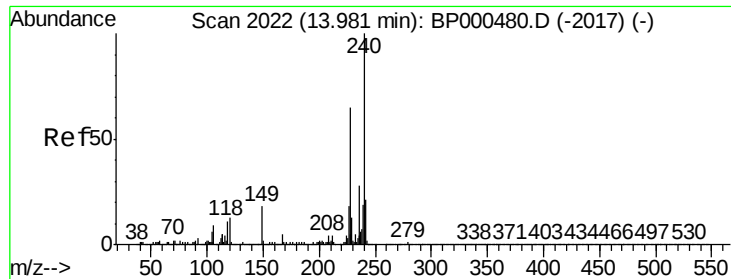
Tot Ion:248 Resp: 41968
Ion Ratio Lower Upper
248 100
250 202.4 77.2 115.8#
141 417.5 45.3 67.9#



#75
Fluoranthene
Concen: 3.246 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.24 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

Tgt Ion:202 Resp: 156560
Ion Ratio Lower Upper
202 100
101 14.8 0.0 31.3
203 23.8 0.0 38.1

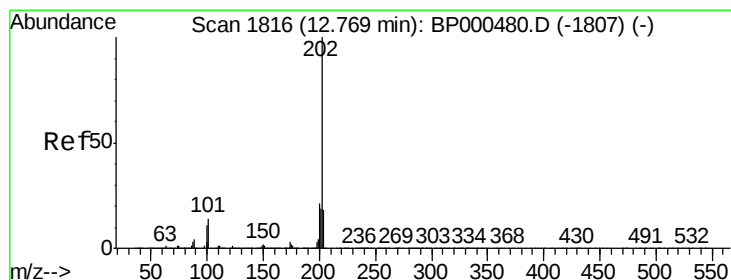
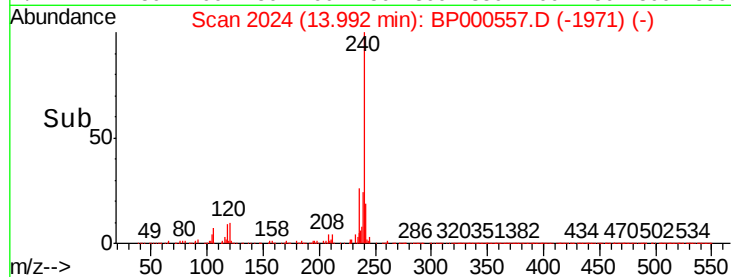
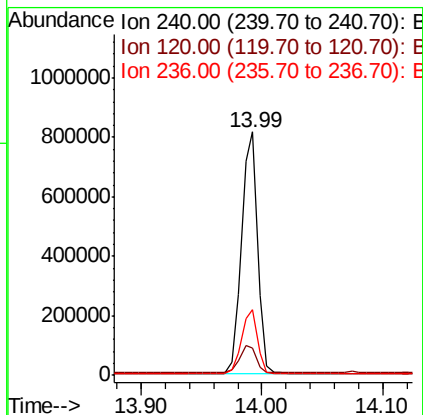
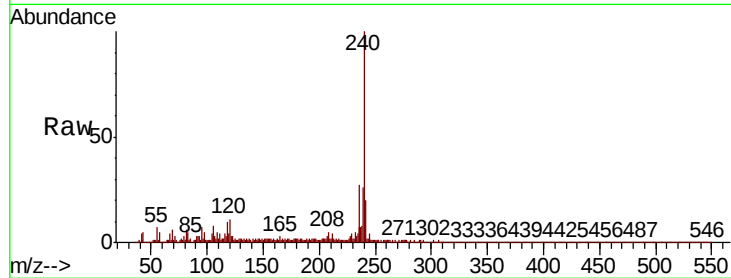




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

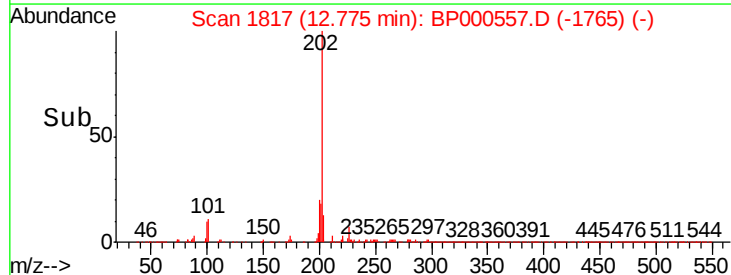
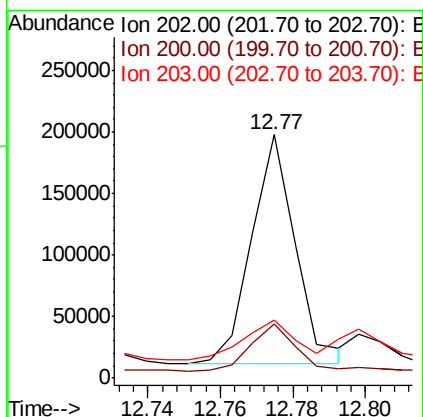
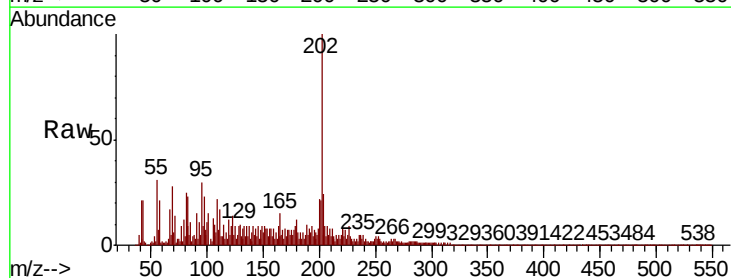
Instrument :
BNA_P
ClientSampled :

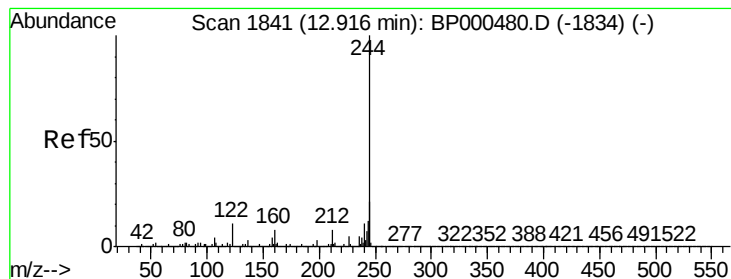
Tot Ion:240 Resp: 760125
Ion Ratio Lower Upper
240 100
120 11.1 10.1 15.1
236 26.8 22.7 34.1



#78
Pyrene
Concen: 2.986 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BP000557.D
Acq: 07 Oct 2019 20:57

Tgt Ion:202 Resp: 156560
Ion Ratio Lower Upper
202 100
200 22.3 17.1 25.7
203 23.8 14.6 21.8#





#79

Terphenyl-d14

Concen: 74.888 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

Instrument :

BNA_P

ClientSampleId :

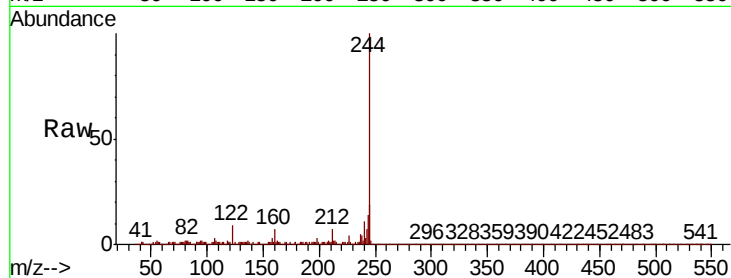
Tot Ion:244 Resp: 2811452

Ion Ratio Lower Upper

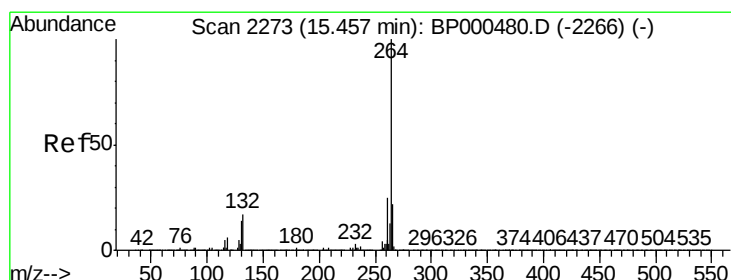
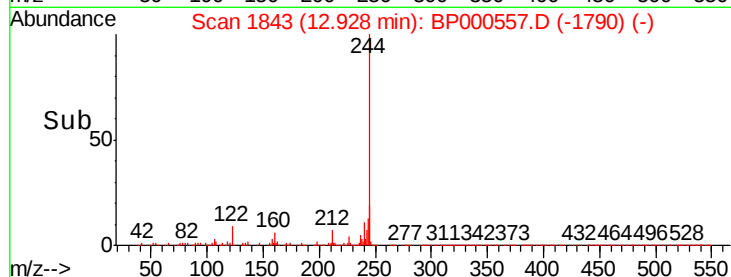
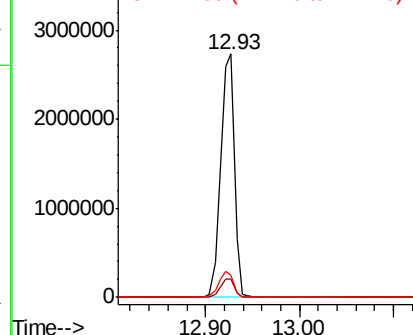
244 100

212 7.3 6.0 9.0

122 9.2 8.9 13.3



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.02 min

Lab File: BP000557.D

Acq: 07 Oct 2019 20:57

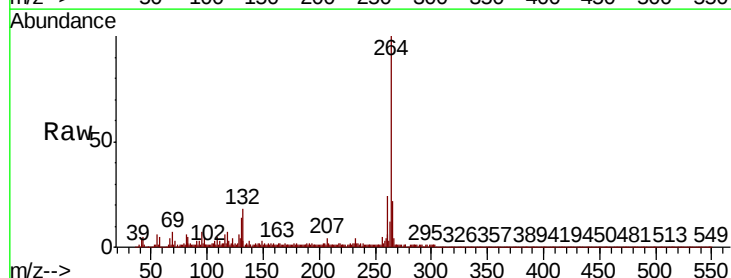
Tgt Ion:264 Resp: 800531

Ion Ratio Lower Upper

264 100

260 24.0 20.3 30.5

265 22.4 18.0 27.0



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

