

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
 Data File : BP000354.D
 Acq On : 20 Sep 2019 15:12
 Operator : HP/JU
 Sample : K4959-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 20 23:13:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	188507	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	676245	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	266782	20.00	ng	0.03
64) Phenanthrene-d10	11.40	188	184499	20.00	ng	0.08
76) Chrysene-d12	14.08	240	236676	20.00	ng	0.08
87) Perylene-d12	15.53	264	588529	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	788476	72.21	ng	0.00
7) Phenol-d6	6.43	99	1090081	81.44	ng	0.00
23) Nitrobenzene-d5	7.35	82	619135	59.07	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	179425	67.81	ng	0.05
45) 2-Fluorobiphenyl	9.16	172	1545651	104.28	ng	0.00
79) Terphenyl-d14	13.03	244	398343	35.31	ng	0.10

Target Compounds

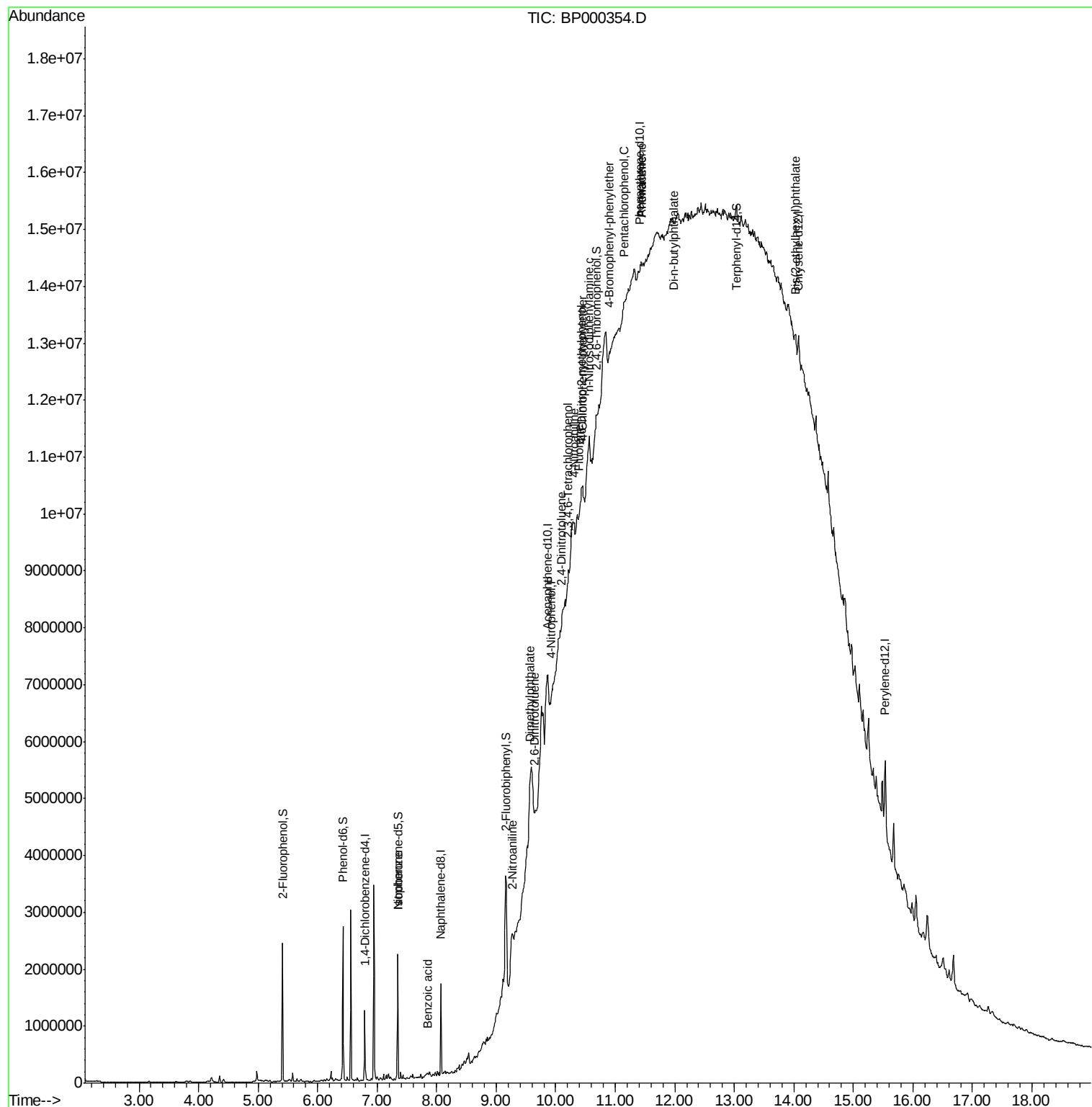
						Qvalue
9) Benzaldehyde	6.33	77	3613	Below Cal		94
25) Isophorone	7.35	82	615672	29.665	ng	# 63
32) Benzoic acid	7.85	122	20866	3.362	ng	93
48) 2-Nitroaniline	9.27	65	12729	3.238	ng	# 59
50) Dimethylphthalate	9.56	163	100141	5.509	ng	# 44
51) 2,6-Dinitrotoluene	9.65	165	55990	14.010	ng	# 43
56) 4-Nitrophenol	9.91	139	35857	10.392	ng	# 1
57) 2,4-Dinitrotoluene	10.09	165	41025	7.852	ng	# 58
58) Fluorene	10.39	166	36709	2.289	ng	# 1
59) 2,3,4,6-Tetrachlorophenol	10.20	232	34296	7.712	ng	# 46
61) 4-Chlorophenyl-phenylether	10.45	204	18043	2.192	ng	# 1
62) 4-Nitroaniline	10.31	138	61611	13.503	ng	93
65) 4,6-Dinitro-2-methylphenol	10.43	198	28829	33.231	ng	# 1
66) n-Nitrosodiphenylamine	10.56	169	225443	40.590	ng	# 65
67) 4-Bromophenyl-phenylether	10.89	248	6875	3.295	ng	# 1
70) Pentachlorophenol	11.15	266	4322	3.479	ng	# 24
71) Phenanthrene	11.43	178	208290	22.528	ng	# 1
72) Anthracene	11.43	178	208290	21.887	ng	# 1
74) Di-n-butylphthalate	11.99	149	59941	5.525	ng	# 11
84) Bis(2-ethylhexyl)phthalate	14.04	149	32097	3.286	ng	# 44

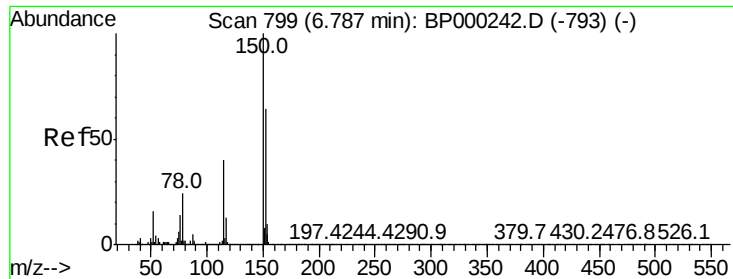
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
Data File : BP000354.D
Acq On : 20 Sep 2019 15:12
Operator : HP/JU
Sample : K4959-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

Quant Time: Sep 20 23:13:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 19 14:44:51 2019
Response via : Initial Calibration



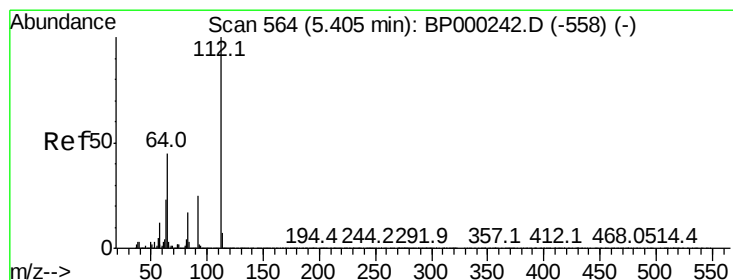
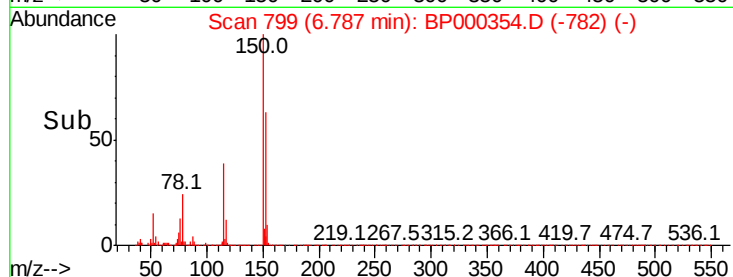
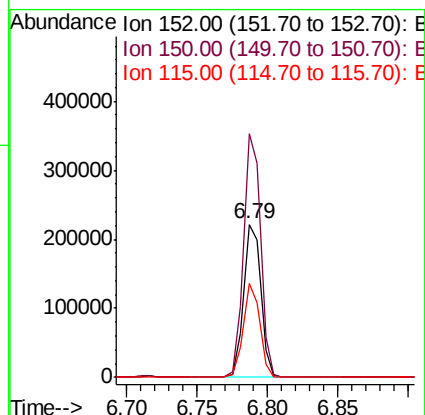
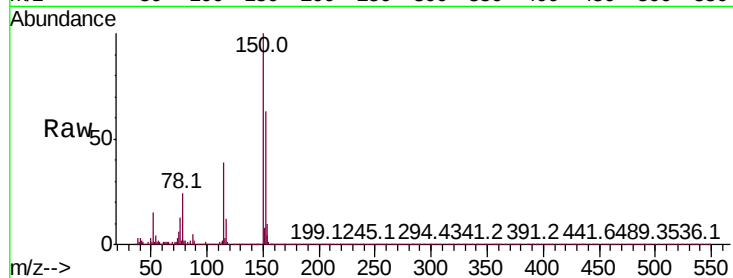


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_P
ClientSampleId :

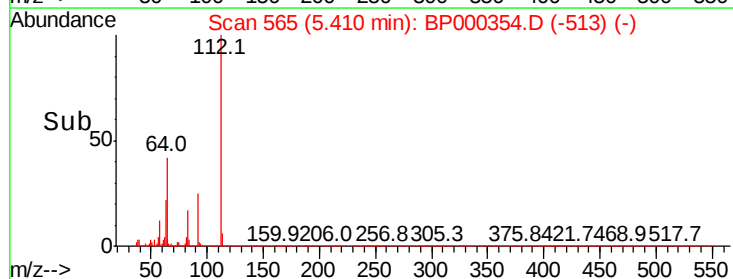
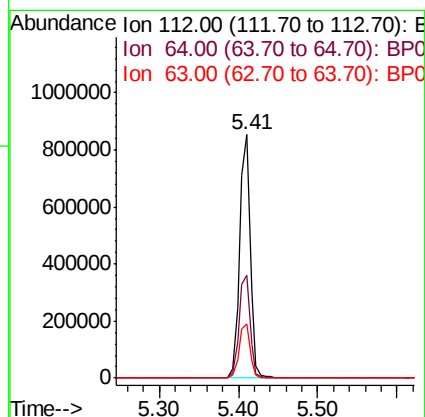
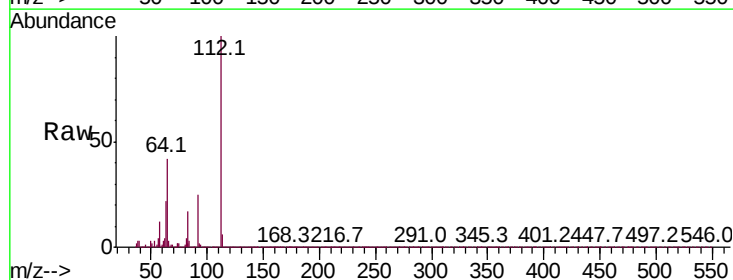
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	125.2	187.8
115	61.6	49.7	74.5

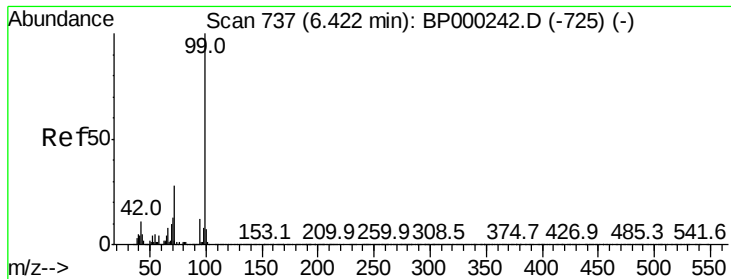


#5

2-Fluorophenol
Concen: 72.209 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.4	36.2	54.4
63	22.0	18.3	27.5





#7

Phenol-d6

Concen: 81.441 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

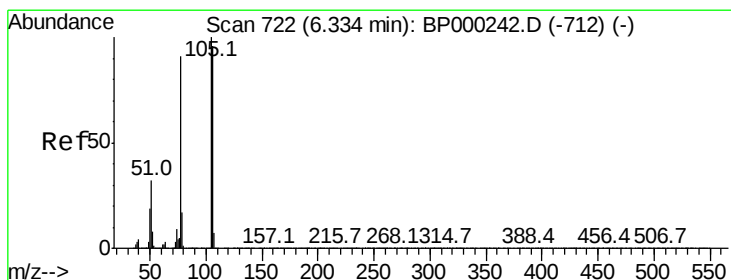
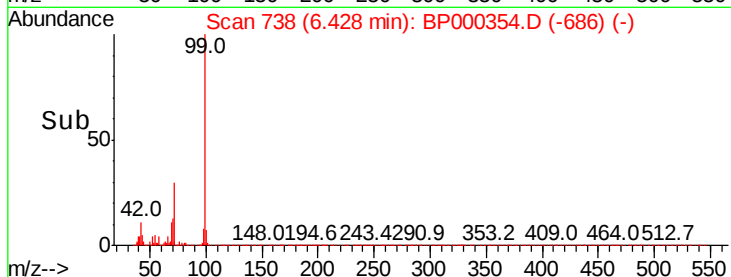
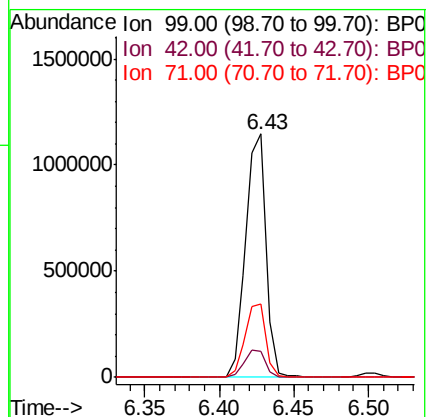
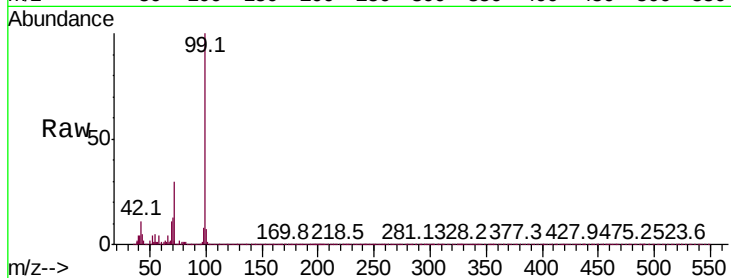
Tot Ion: 99 Resp: 1090081

Ion Ratio Lower Upper

99 100

42 10.7 8.5 12.7

71 29.9 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

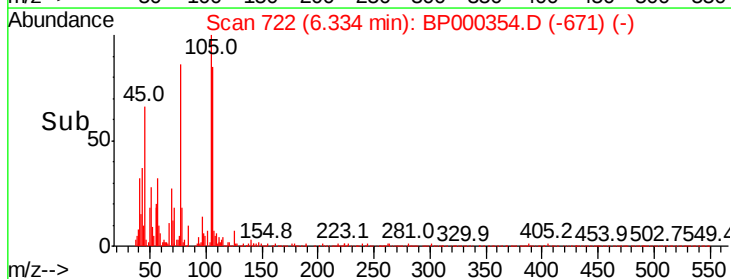
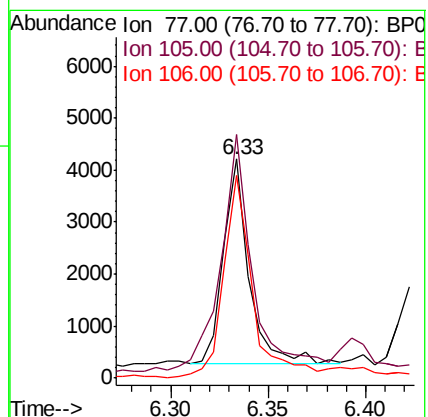
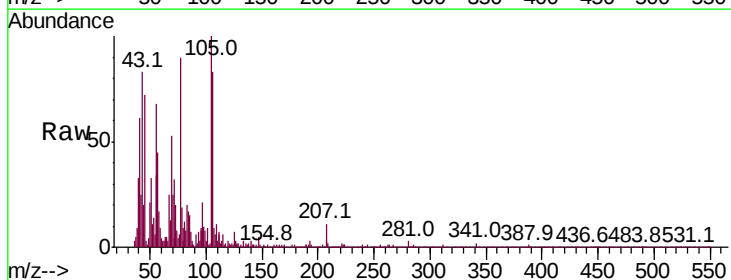
Tgt Ion: 77 Resp: 3613

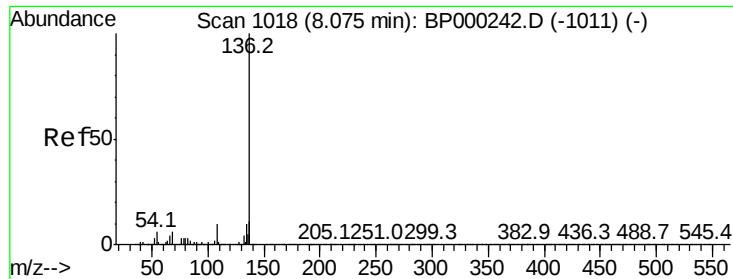
Ion Ratio Lower Upper

77 100

105 111.2 89.6 129.6

106 92.6 84.6 124.6

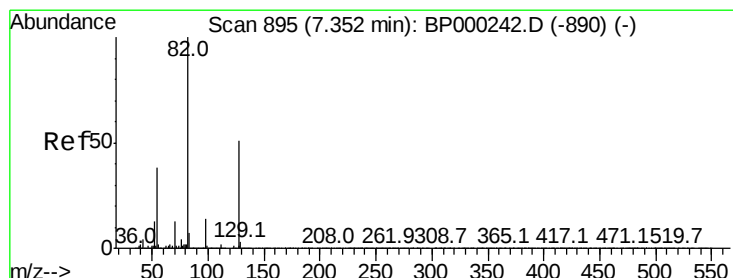
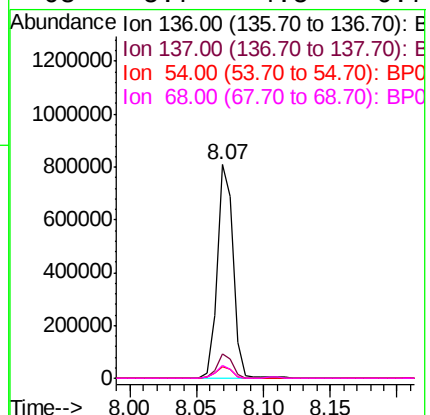
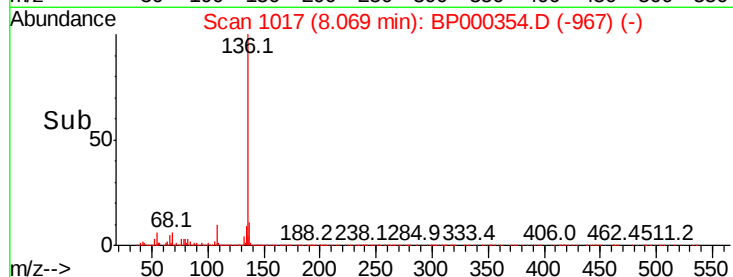
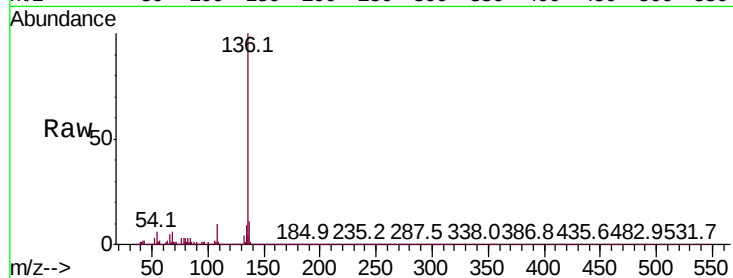




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

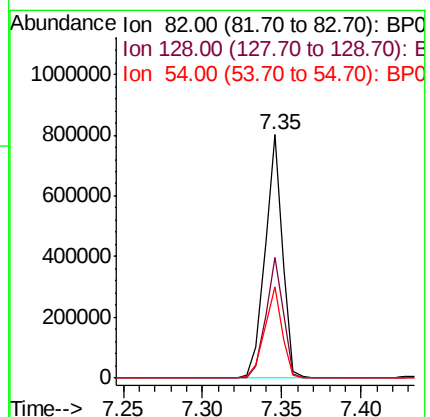
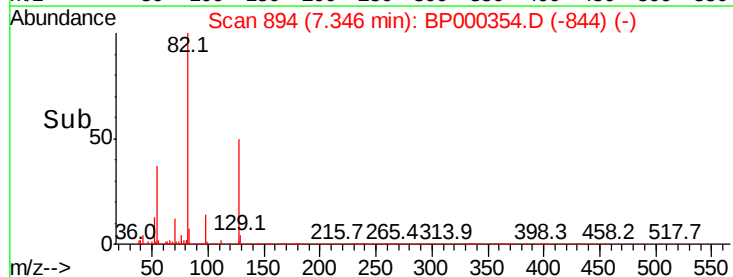
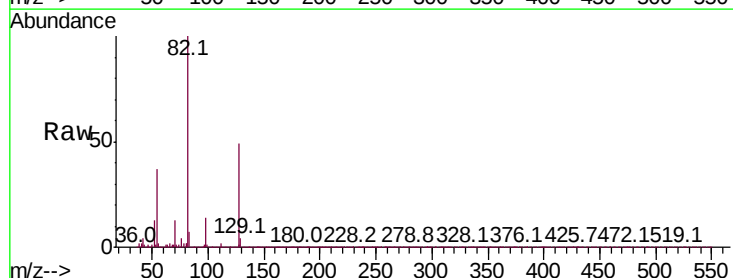
Instrument :
BNA_P
ClientSampleId :

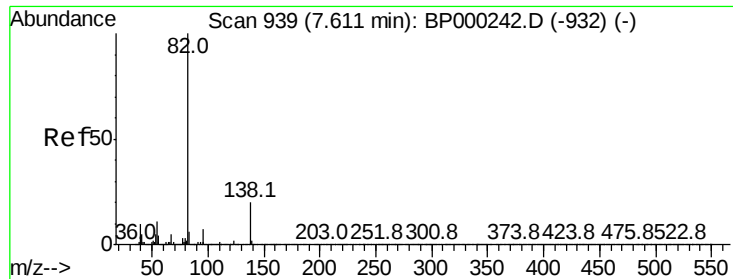
Tot Ion:136	Resp: 676245
Ion Ratio	Lower Upper
136 100	
137 11.2	8.6 13.0
54 5.7	4.5 6.7
68 5.7	4.5 6.7



#23
Nitrobenzene-d5
Concen: 59.071 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

Tgt Ion: 82	Resp: 619135
Ion Ratio	Lower Upper
82 100	
128 49.4	40.7 61.1
54 37.3	30.1 45.1





#25

Isophorone

Concen: 29.665 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

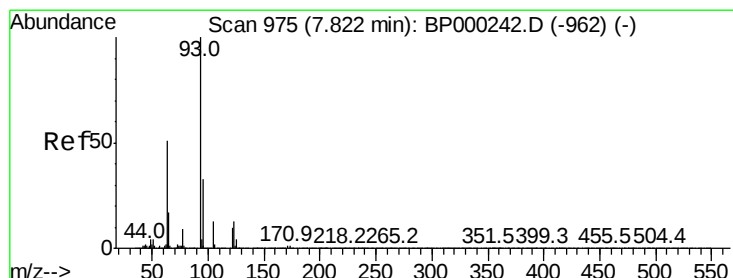
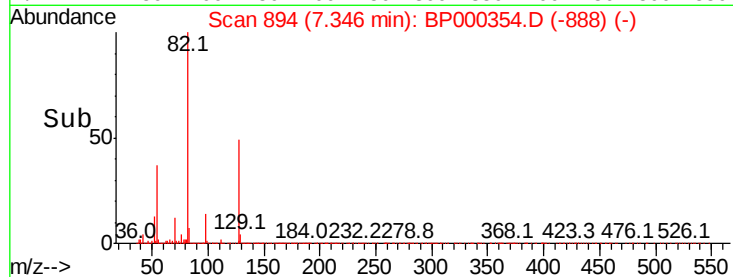
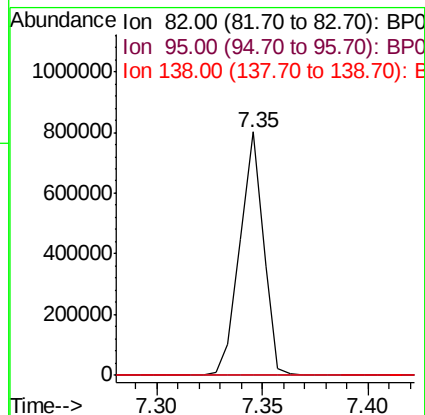
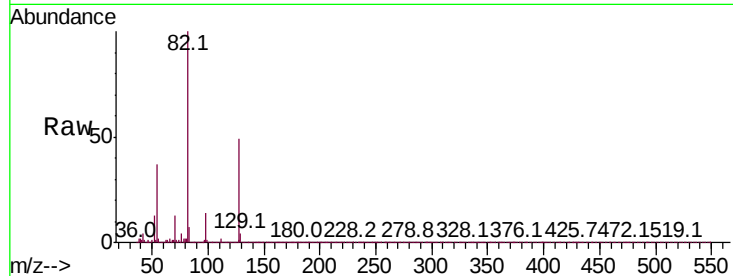
Tot Ion: 82 Resp: 615672

Ion Ratio Lower Upper

82 100

95 0.2 5.9 8.9#

138 0.0 15.9 23.9#



#32

Benzoic acid

Concen: 3.362 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.03 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

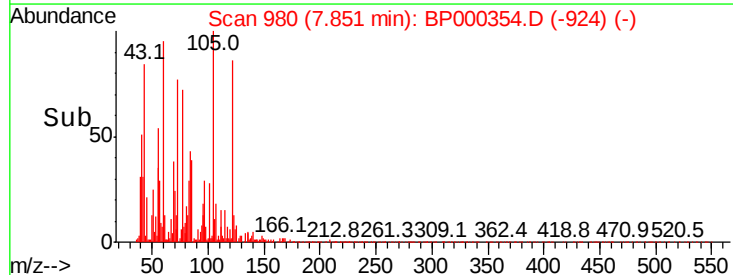
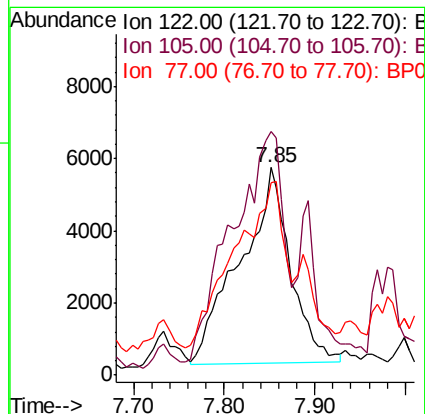
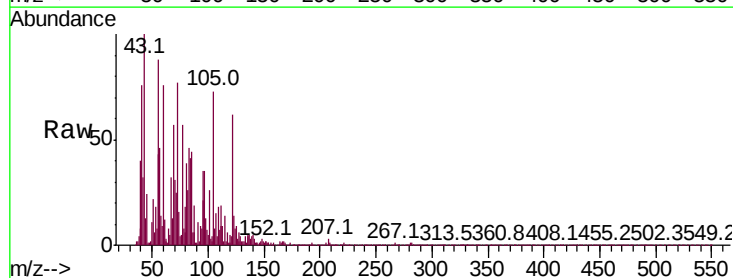
Tgt Ion: 122 Resp: 20866

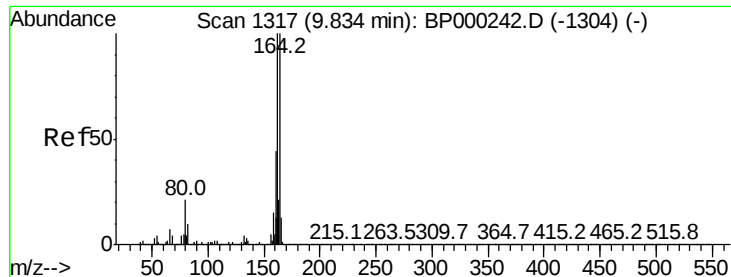
Ion Ratio Lower Upper

122 100

105 117.2 105.4 145.4

77 92.4 65.3 105.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.03 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

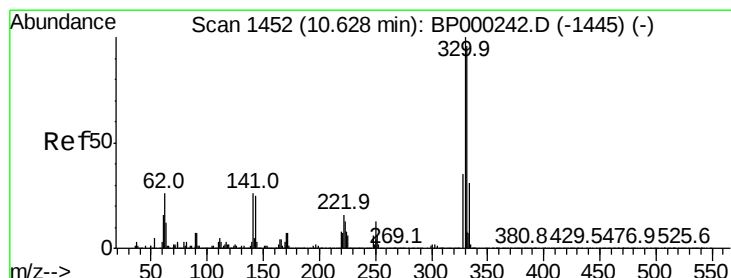
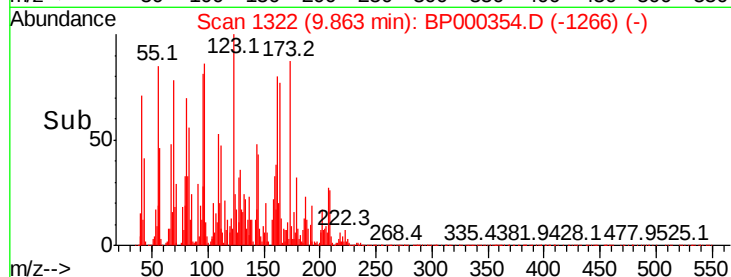
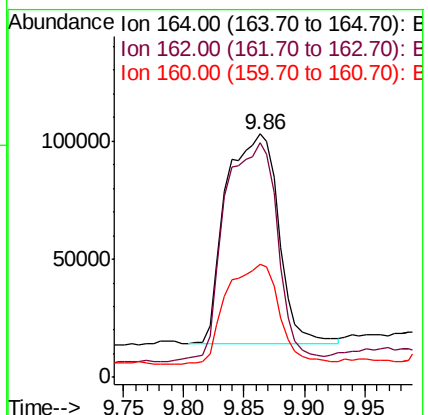
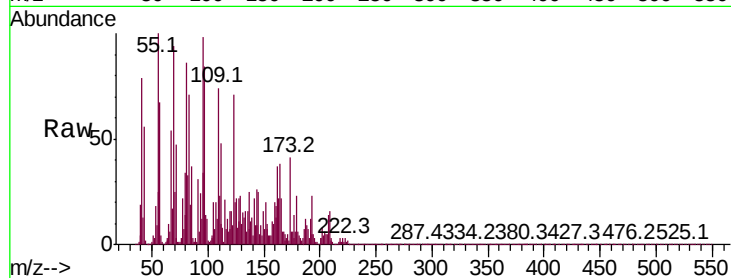
Tot Ion:164 Resp: 266782

Ion Ratio Lower Upper

164 100

162 96.1 79.9 119.9

160 46.4 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 67.807 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.05 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

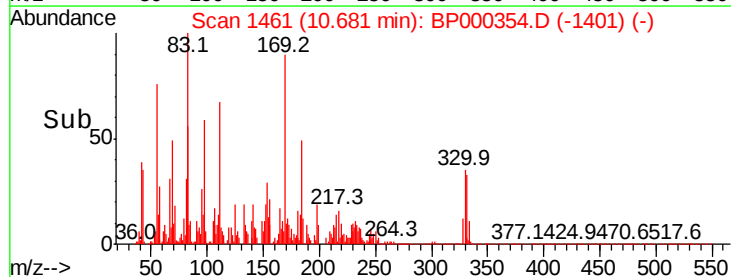
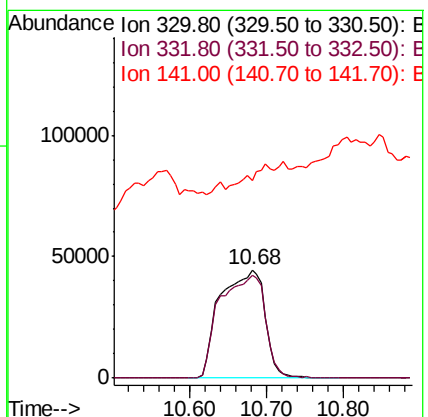
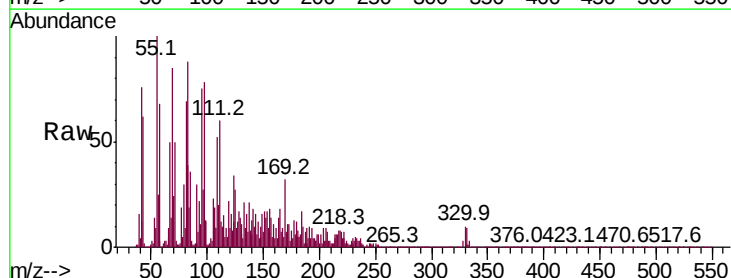
Tgt Ion:330 Resp: 179425

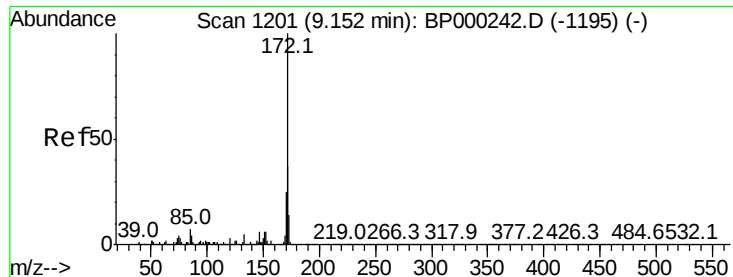
Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

141 4.8 26.5 39.7#

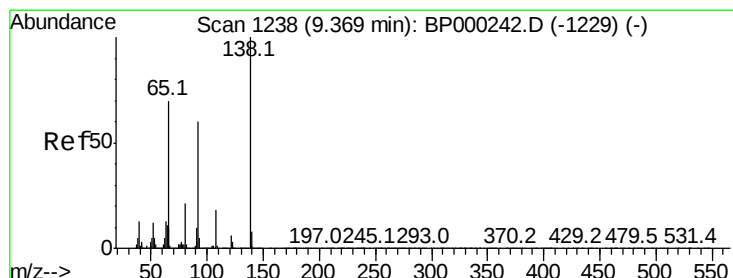
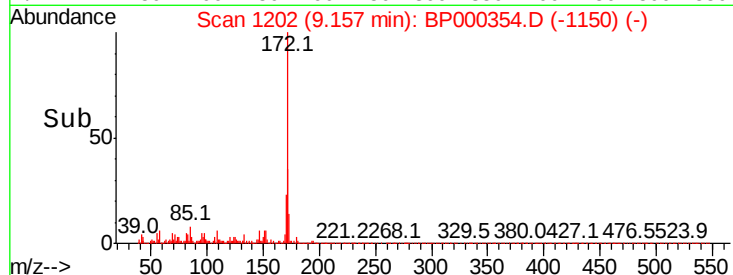
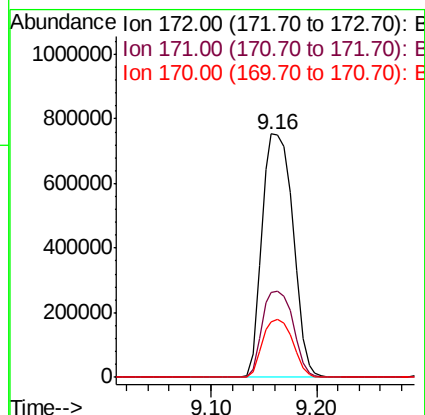
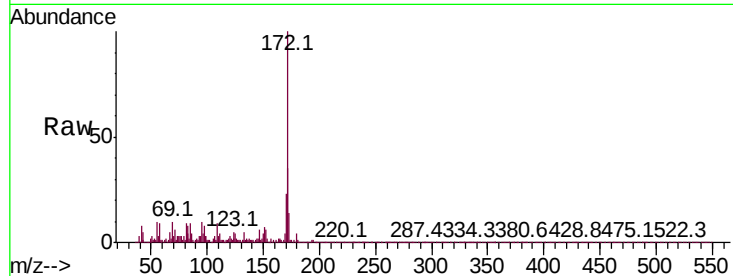




#45
2-Fluorobiphenyl
Concen: 104.275 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

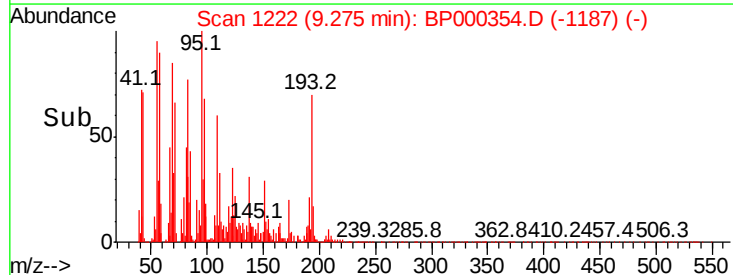
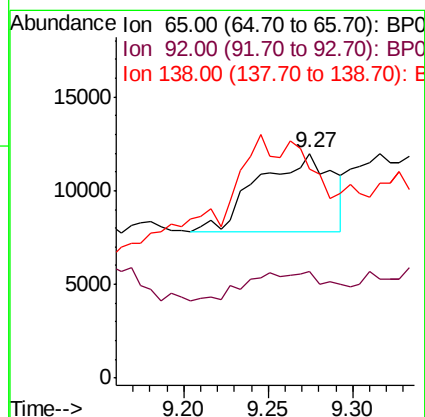
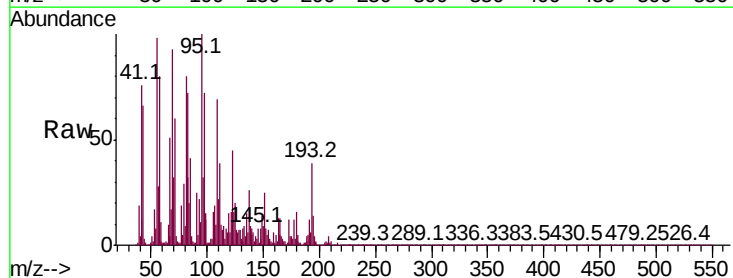
Instrument :
BNA_P
ClientSampled :

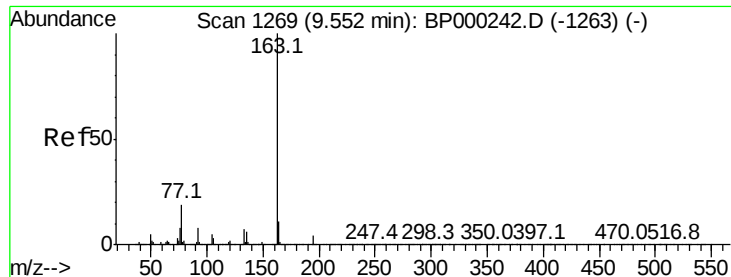
Tot Ion:172 Resp: 1545651
Ion Ratio Lower Upper
172 100
171 34.9 29.8 44.6
170 22.8 19.8 29.6



#48
2-Nitroaniline
Concen: 3.238 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.09 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

Tgt Ion: 65 Resp: 12729
Ion Ratio Lower Upper
65 100
92 47.7 68.7 103.1#
138 93.1 114.4 171.6#





#50

Dimethylphthalate

Concen: 5.509 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

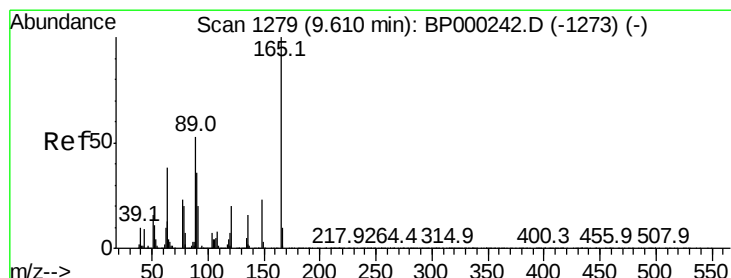
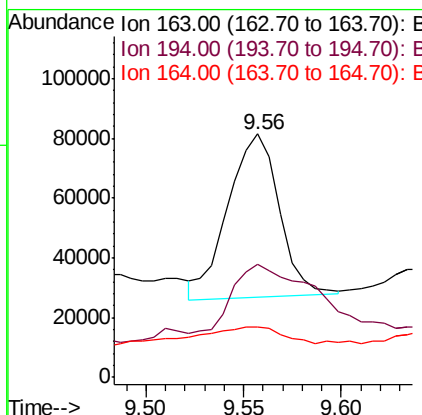
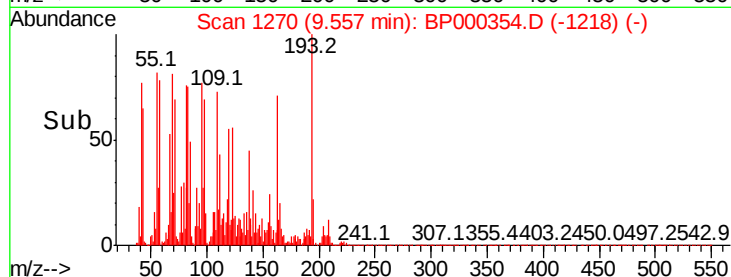
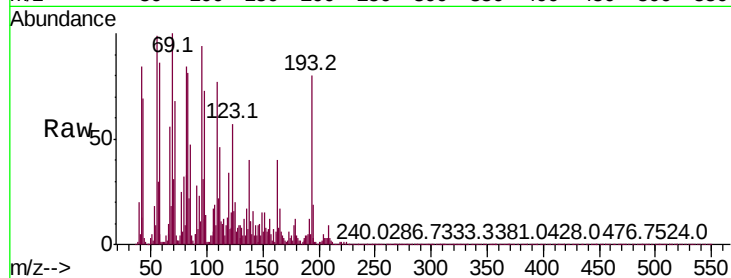
Tot Ion:163 Resp: 100141

Ion Ratio Lower Upper

163 100

194 46.6 3.4 5.0#

164 20.9 8.5 12.7#



#51

2,6-Dinitrotoluene

Concen: 14.010 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.03 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

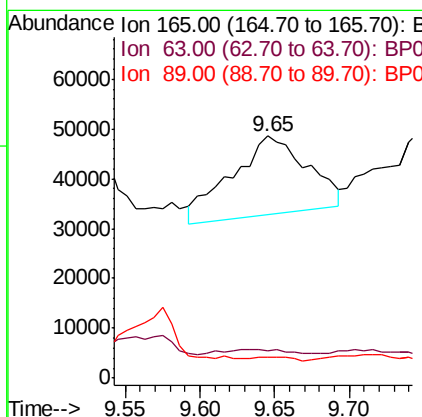
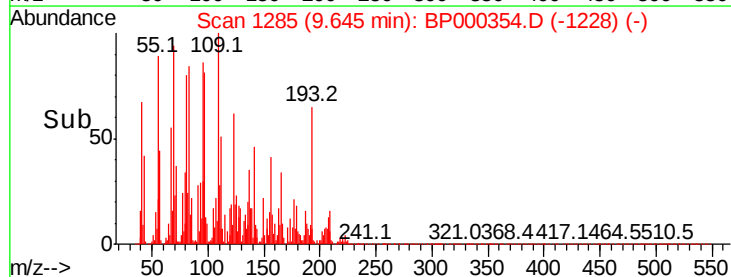
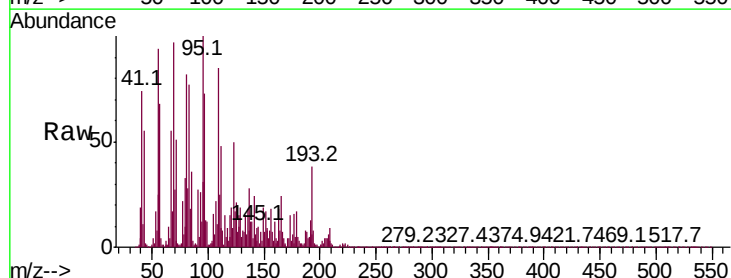
Tgt Ion:165 Resp: 55990

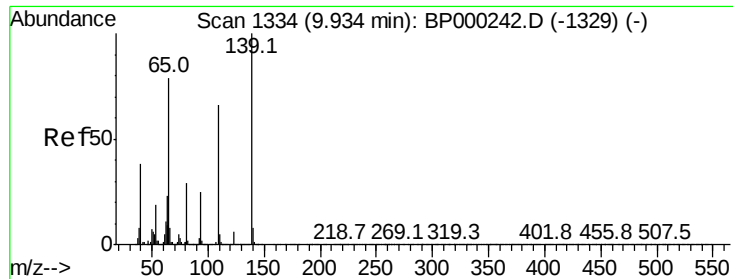
Ion Ratio Lower Upper

165 100

63 11.4 35.8 53.8#

89 8.8 42.6 63.8#





#56

4-Nitrophenol

Concen: 10.392 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

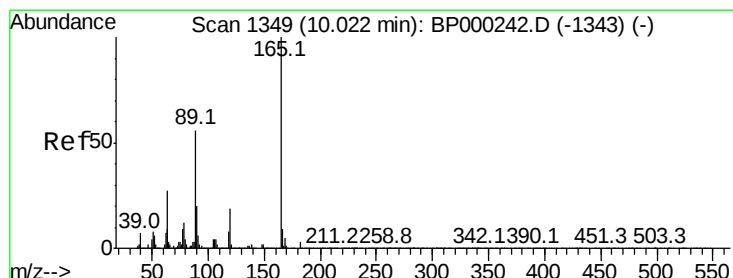
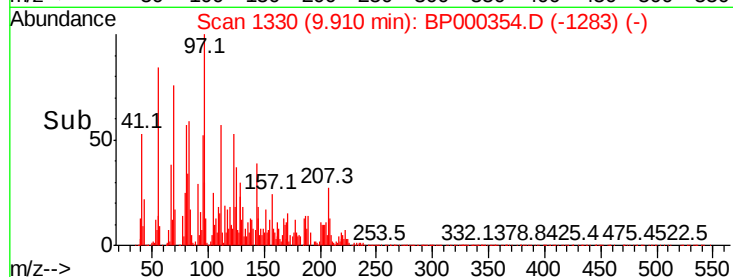
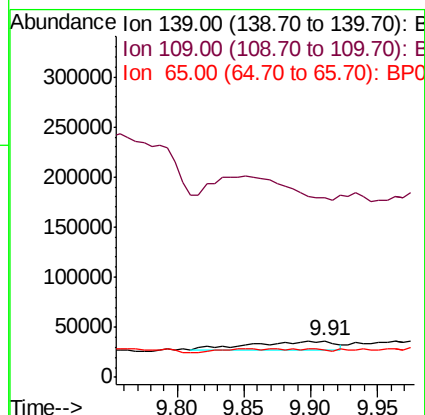
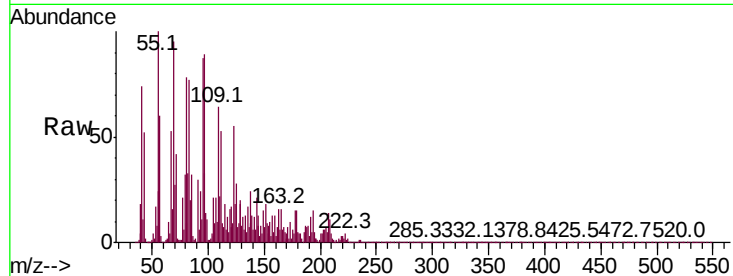
Tot Ion:139 Resp: 35857

Ion Ratio Lower Upper

139 100

109 493.6 46.2 86.2#

65 74.4 59.4 99.4



#57

2,4-Dinitrotoluene

Concen: 7.852 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.06 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Tgt Ion:165 Resp: 41025

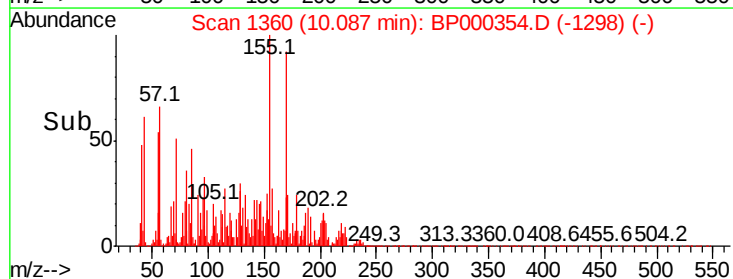
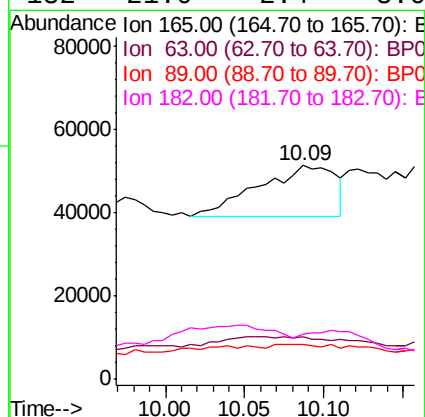
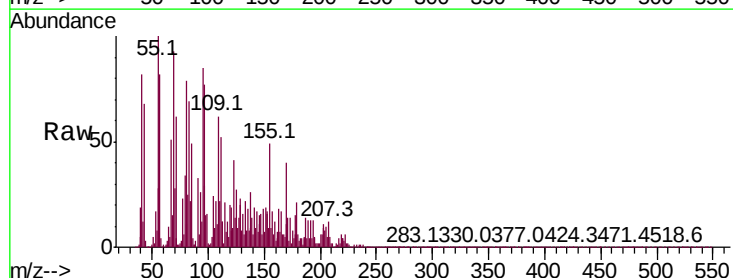
Ion Ratio Lower Upper

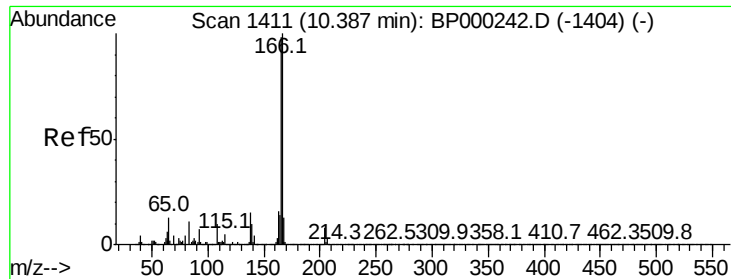
165 100

63 19.7 21.7 32.5#

89 16.2 45.0 67.6#

182 21.0 2.4 3.6#

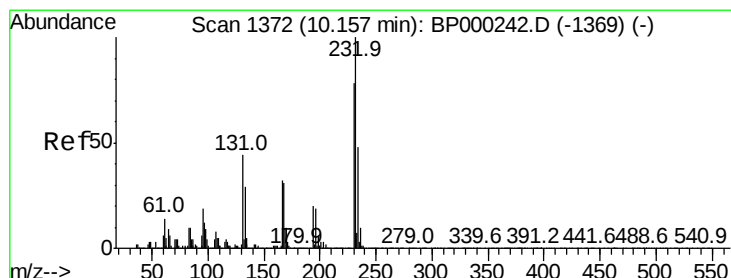
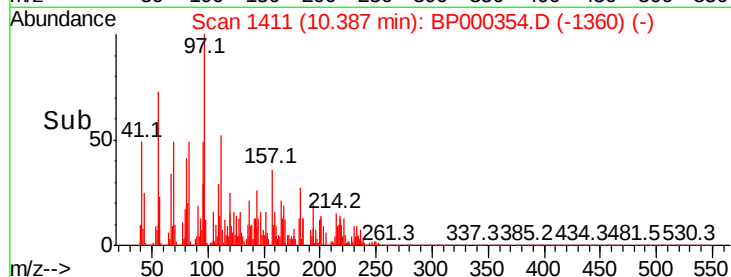
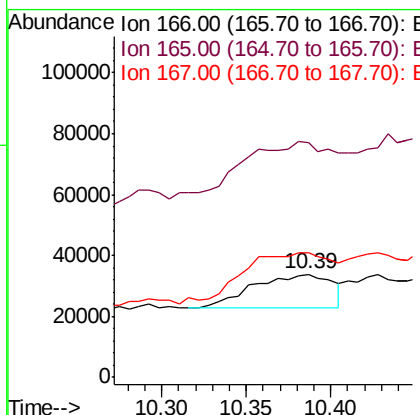
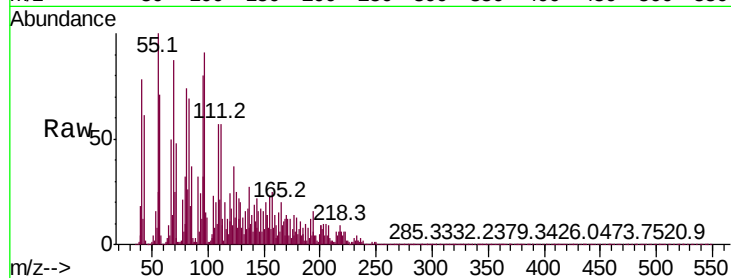




#58
Fluorene
Concen: 2.289 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

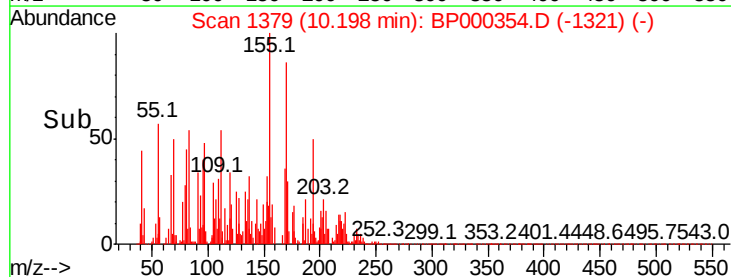
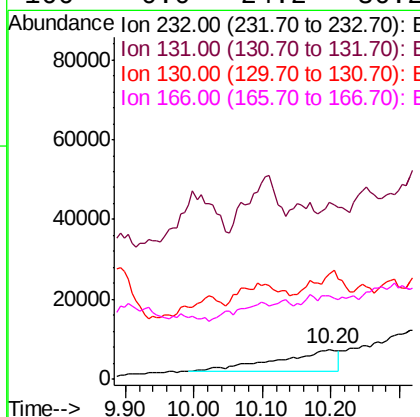
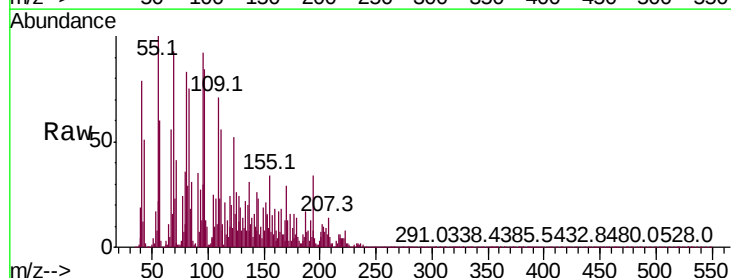
Instrument :
BNA_P
ClientSampleId :

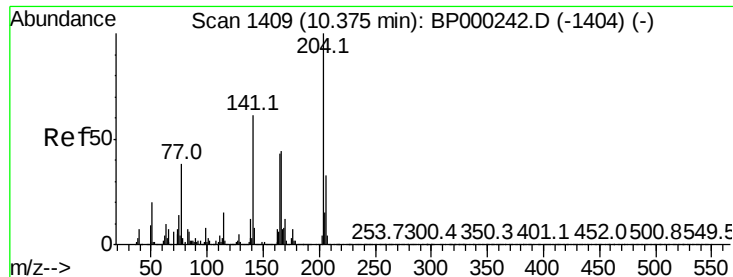
Tot Ion:166 Resp: 36709
Ion Ratio Lower Upper
166 100
165 227.4 78.2 117.2#
167 121.0 10.7 16.1#



#59
2,3,4,6-Tetrachlorophenol
Concen: 7.712 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.04 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

Tgt Ion:232 Resp: 34296
Ion Ratio Lower Upper
232 100
131 8.4 33.6 50.4#
130 20.6 1.8 2.6#
166 0.0 24.2 36.2#

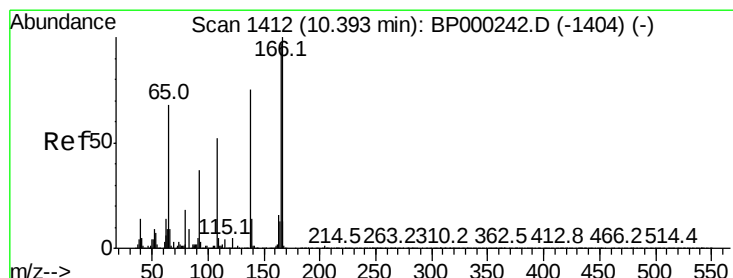
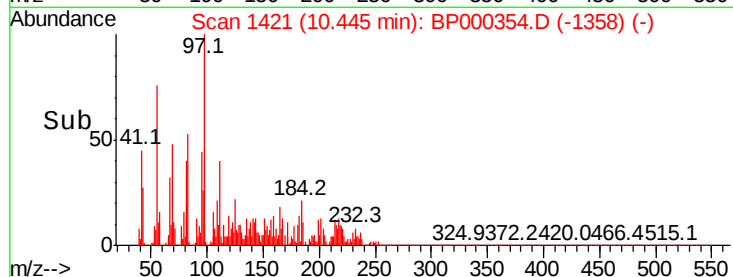
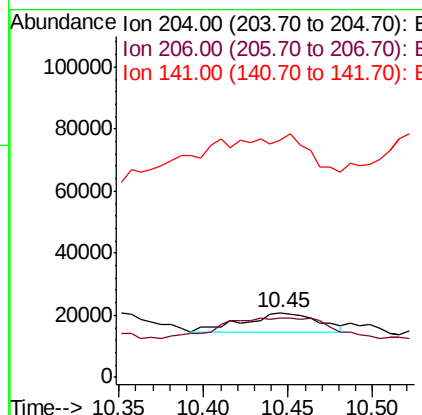
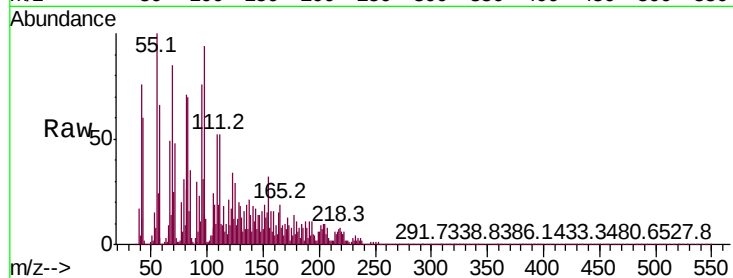




#61
4-Chlorophenyl-phenylether
Concen: 2.192 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.07 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

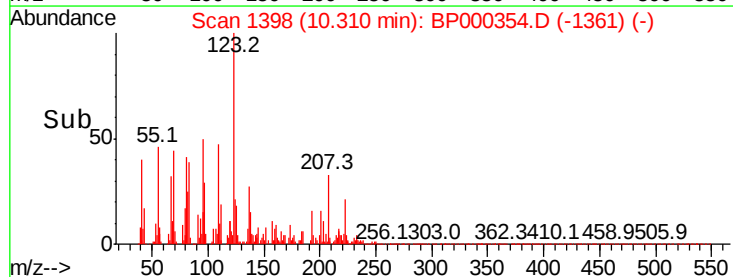
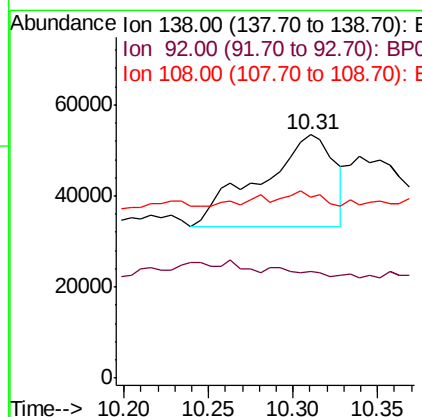
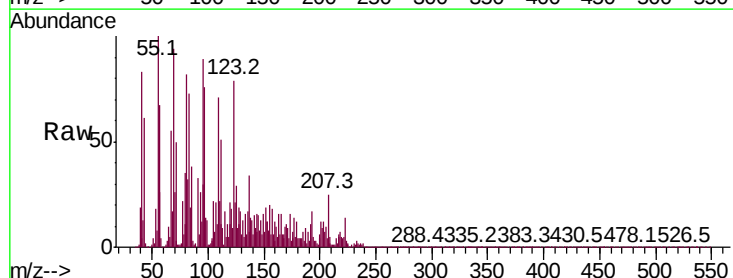
Instrument :
BNA_P
ClientSampled :

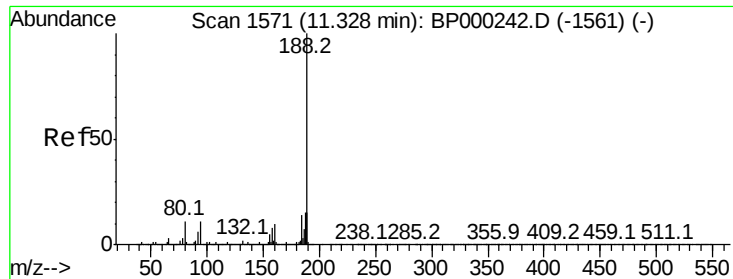
Tot Ion:204 Resp: 18043
Ion Ratio Lower Upper
204 100
206 91.7 26.3 39.5#
141 364.2 48.6 72.8#



#62
4-Nitroaniline
Concen: 13.503 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.08 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

Tgt Ion:138 Resp: 61611
Ion Ratio Lower Upper
138 100
92 43.6 30.1 70.1
108 74.2 49.5 89.5

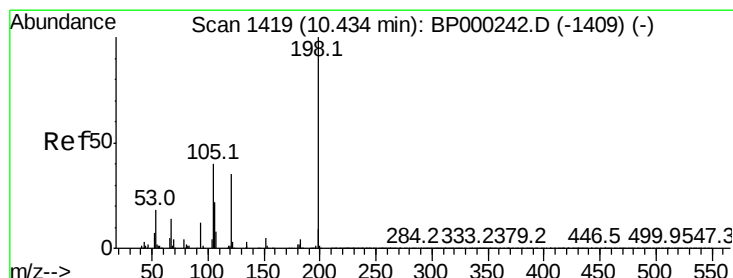
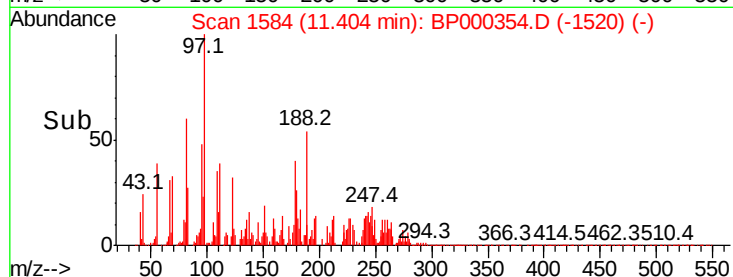
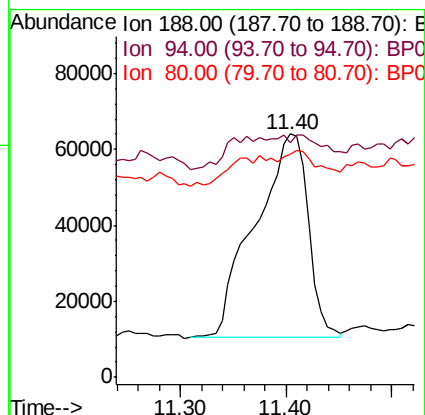
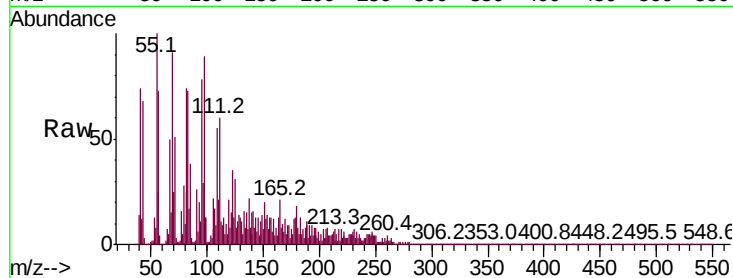




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.08 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

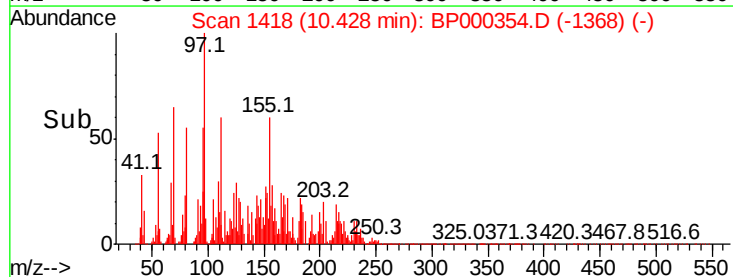
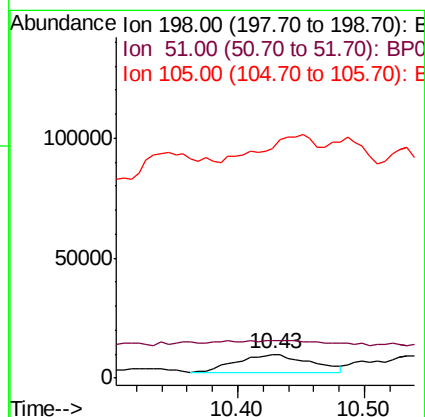
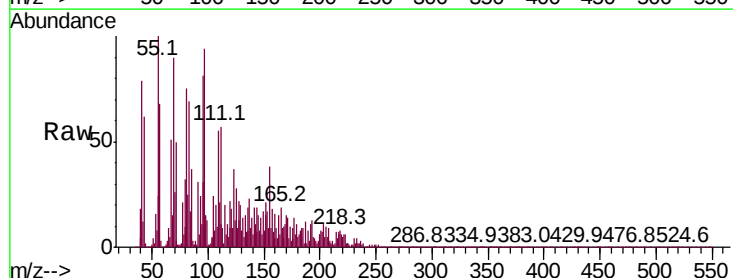
Instrument :
BNA_P
ClientSampled :

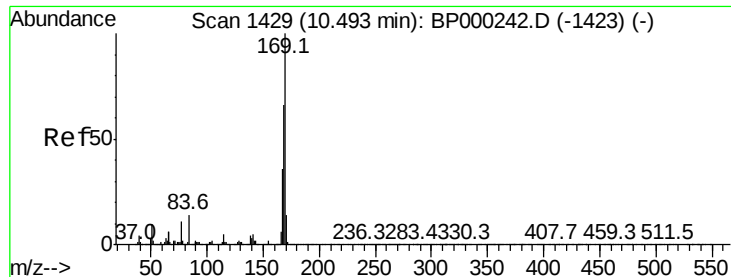
Tot Ion:188 Resp: 184499
Ion Ratio Lower Upper
188 100
94 96.4 8.5 12.7#
80 91.7 8.6 13.0#



#65
4,6-Dinitro-2-methylphenol
Concen: 33.231 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

Tgt Ion:198 Resp: 28829
Ion Ratio Lower Upper
198 100
51 159.7 7.4 47.4#
105 962.1 20.2 60.2#

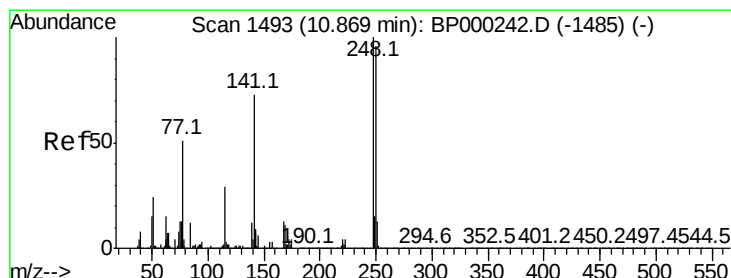
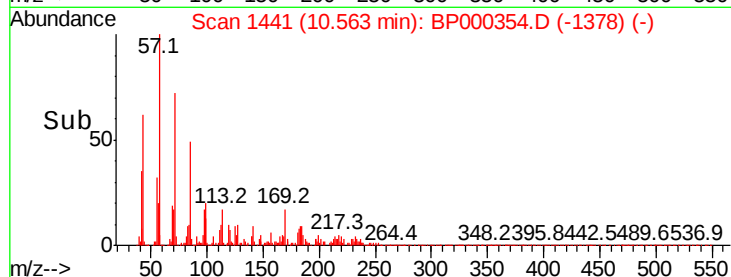
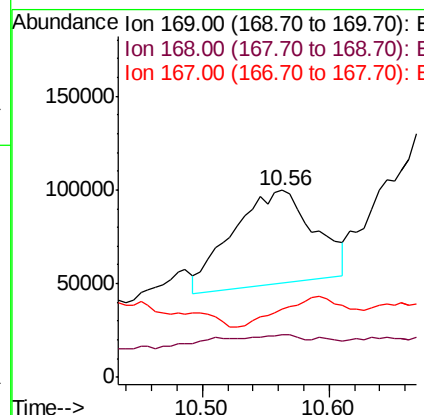
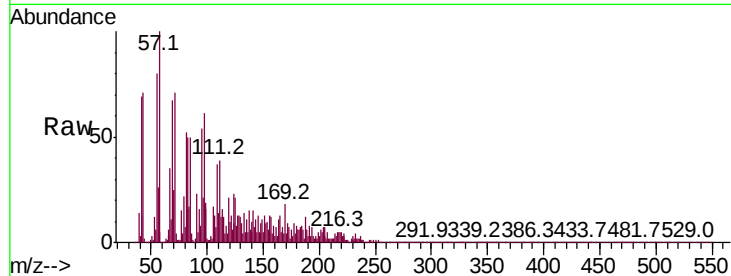




#66
 n-Nitrosodiphenylamine
 Concen: 40.590 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.07 min
 Lab File: BP000354.D
 Acq: 20 Sep 2019 15:12

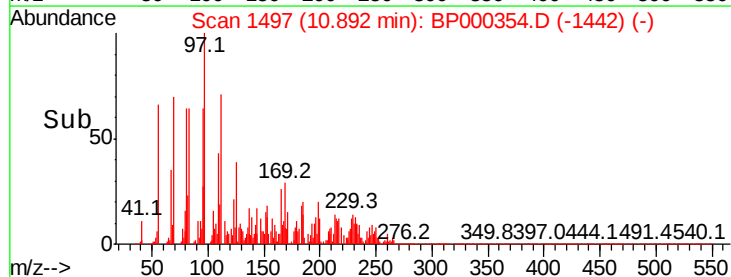
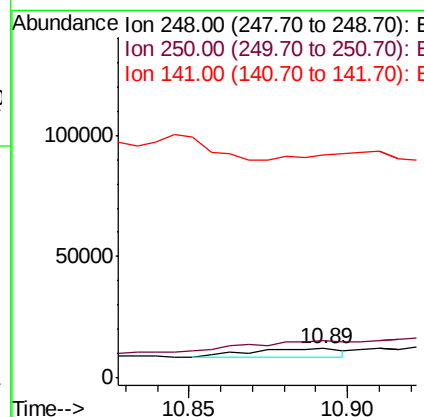
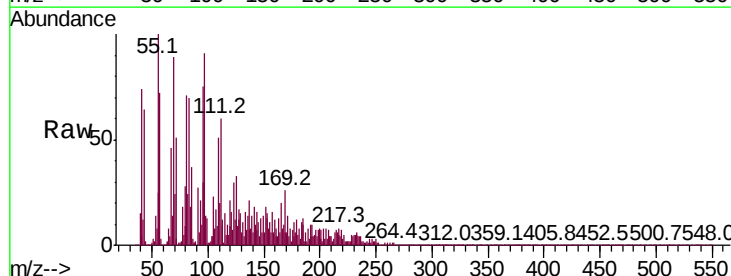
Instrument :
 BNA_P
 ClientSampleId :

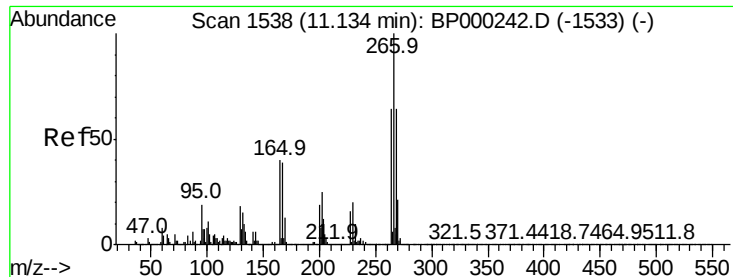
Tot Ion:169 Resp: 225443
 Ion Ratio Lower Upper
 169 100
 168 22.9 52.9 79.3#
 167 36.7 29.0 43.6



#67
 4-Bromophenyl-phenylether
 Concen: 3.295 ng
 RT: 10.89 min Scan# 1497
 Delta R.T. 0.02 min
 Lab File: BP000354.D
 Acq: 20 Sep 2019 15:12

Tgt Ion:248 Resp: 6875
 Ion Ratio Lower Upper
 248 100
 250 127.2 77.0 115.4#
 141 763.1 58.5 87.7#

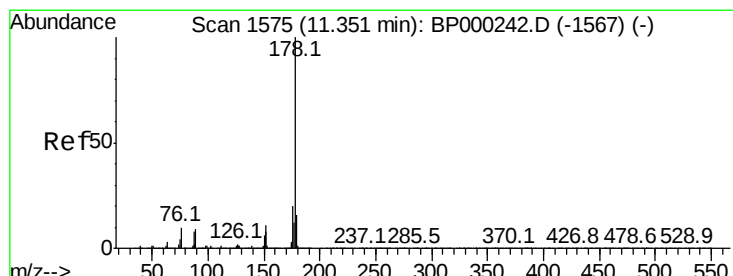
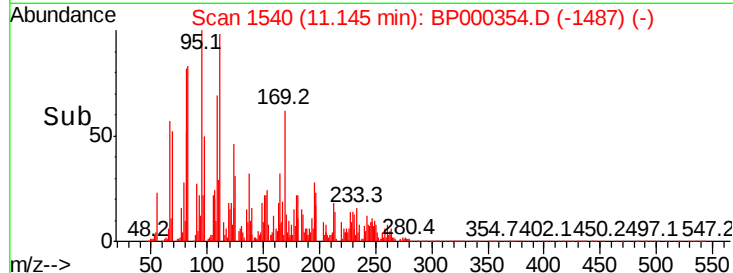
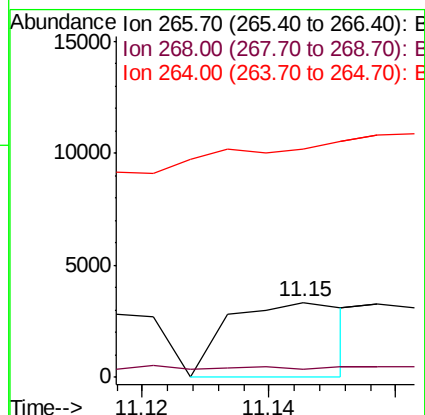
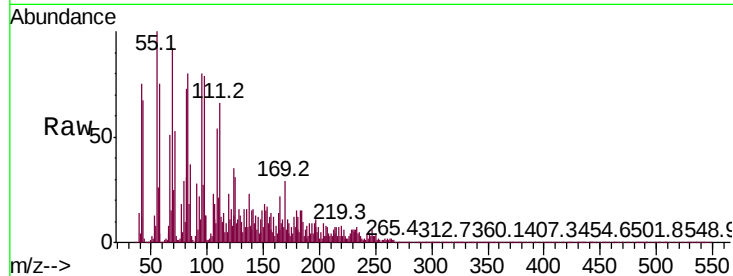




#70
 Pentachlorophenol
 Concen: 3.479 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. 0.01 min
 Lab File: BP000354.D
 Acq: 20 Sep 2019 15:12

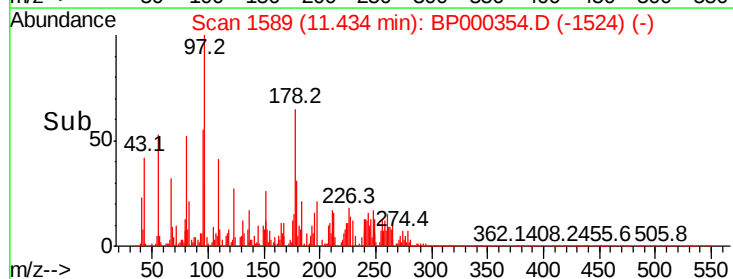
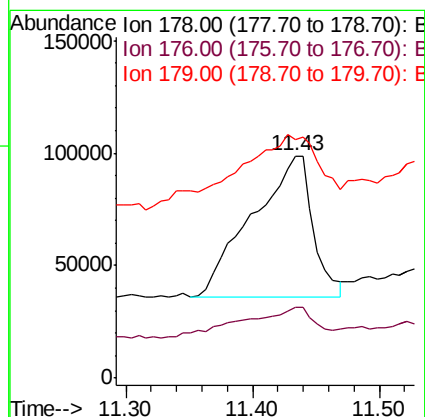
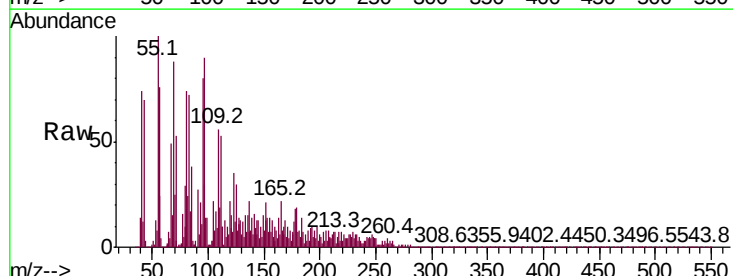
Instrument :
 BNA_P
 ClientSampleId :

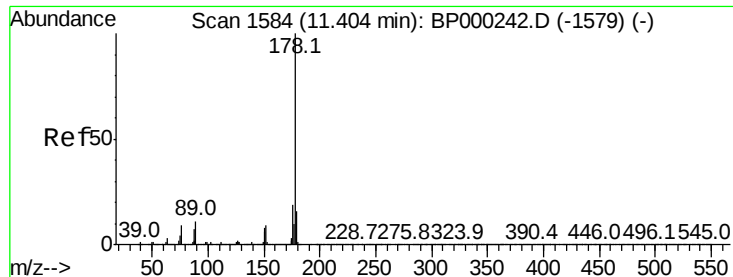
Tot Ion	Ratio	Lower	Upper
266	100		
268	4.5	51.6	77.4#
264	121.9	50.8	76.2#



#71
 Phenanthrene
 Concen: 22.528 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.08 min
 Lab File: BP000354.D
 Acq: 20 Sep 2019 15:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	31.8	15.8	23.8#
179	107.4	12.7	19.1#





#72

Anthracene

Concen: 21.887 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.03 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

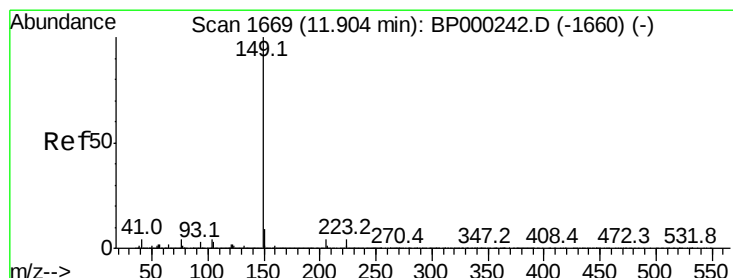
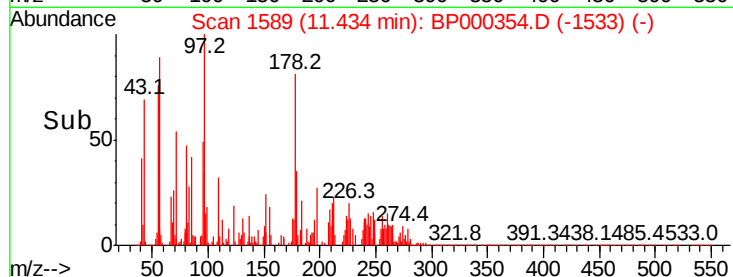
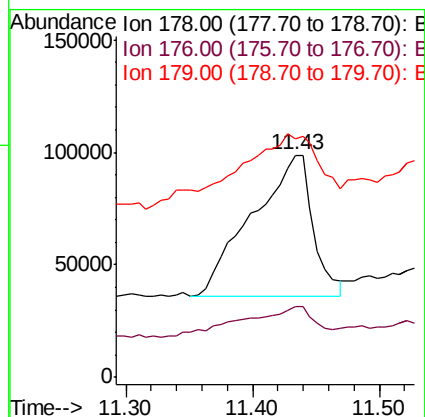
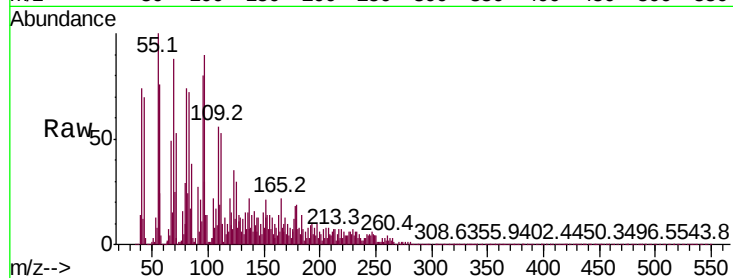
Tot Ion:178 Resp: 208290

Ion Ratio Lower Upper

178 100

176 31.8 15.4 23.0#

179 107.4 12.7 19.1#



#74

Di-n-butylphthalate

Concen: 5.525 ng

RT: 11.99 min Scan# 1684

Delta R.T. 0.09 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

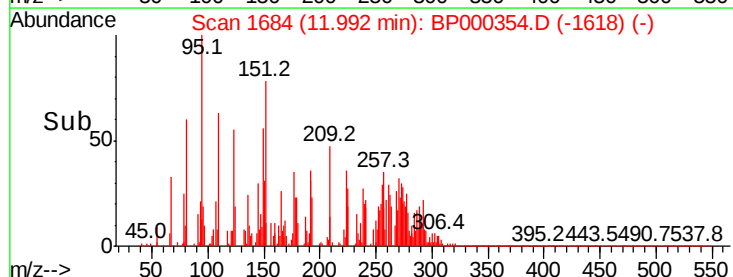
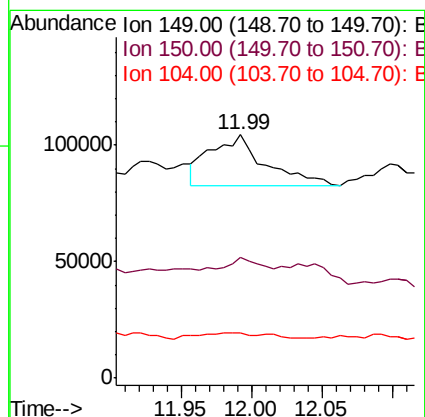
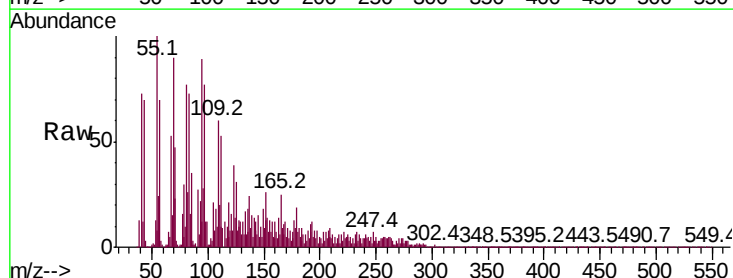
Tgt Ion:149 Resp: 59941

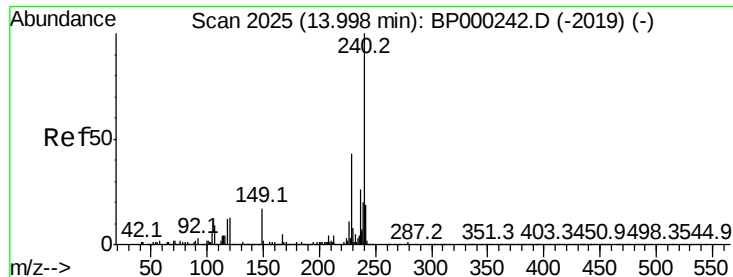
Ion Ratio Lower Upper

149 100

150 49.5 7.4 11.2#

104 18.4 3.5 5.3#

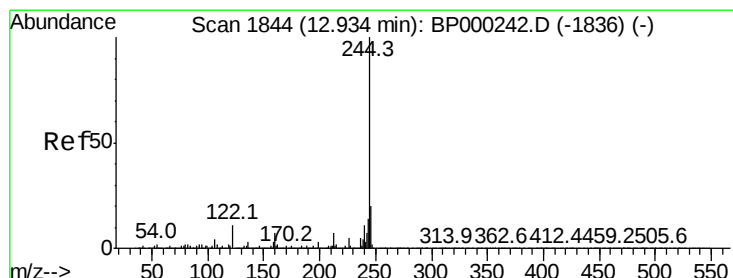
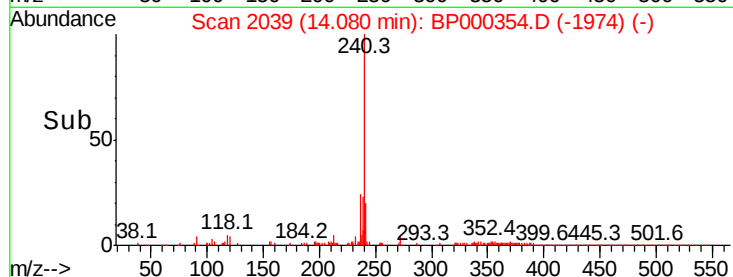
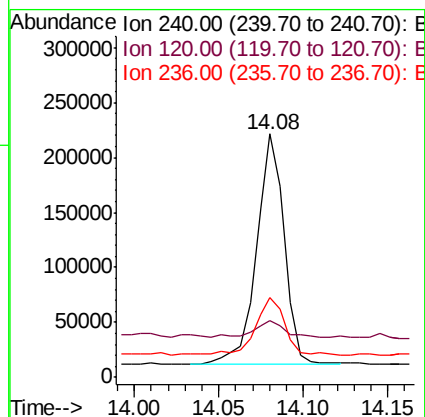
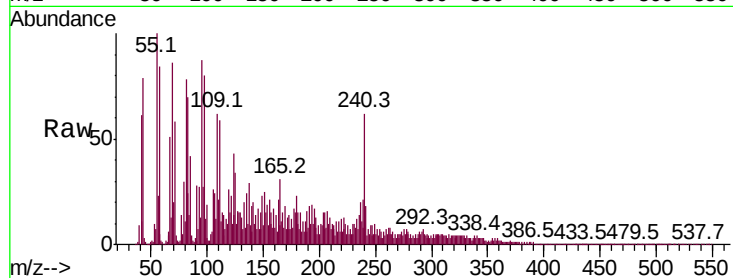




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.08 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

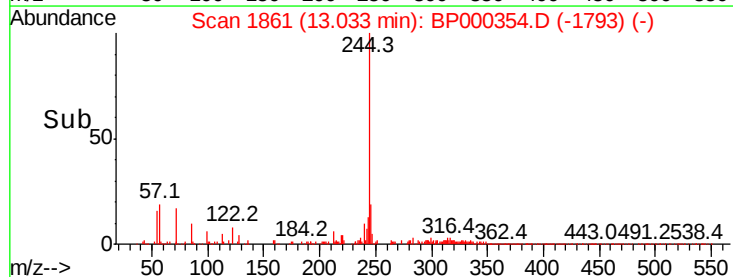
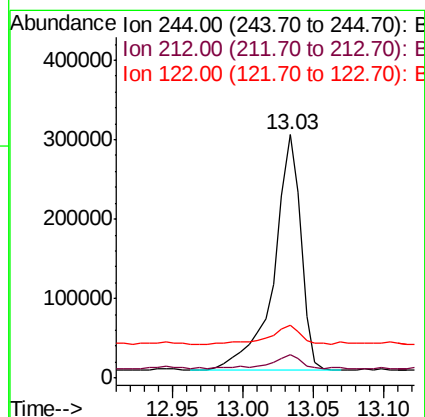
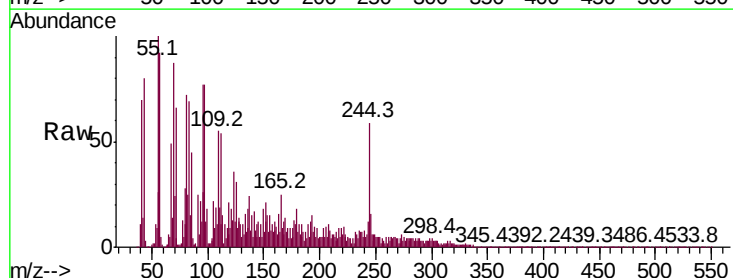
Instrument :
BNA_P
ClientSampleId :

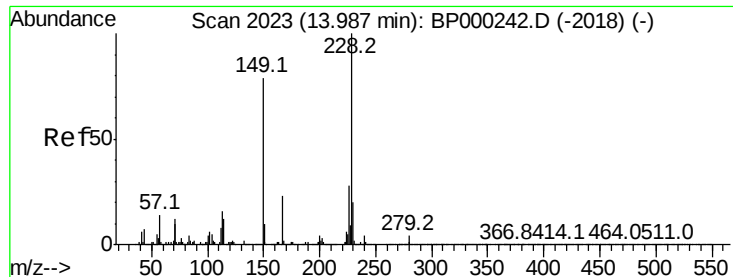
Tot Ion:240 Resp: 236676
Ion Ratio Lower Upper
240 100
120 23.5 10.4 15.6#
236 32.8 21.0 31.6#



#79
Terphenyl-d14
Concen: 35.308 ng
RT: 13.03 min Scan# 1861
Delta R.T. 0.10 min
Lab File: BP000354.D
Acq: 20 Sep 2019 15:12

Tgt Ion:244 Resp: 398343
Ion Ratio Lower Upper
244 100
212 9.9 5.9 8.9#
122 21.9 9.0 13.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.286 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.05 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

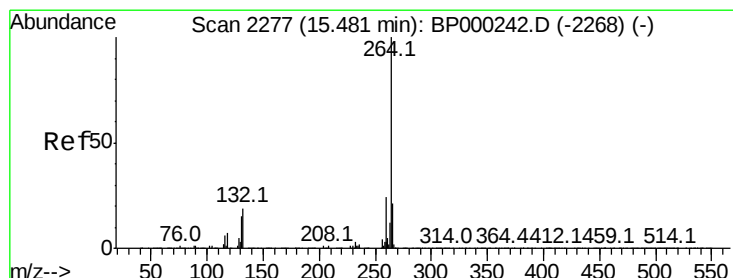
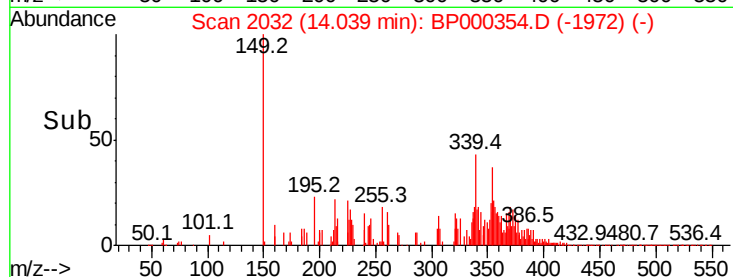
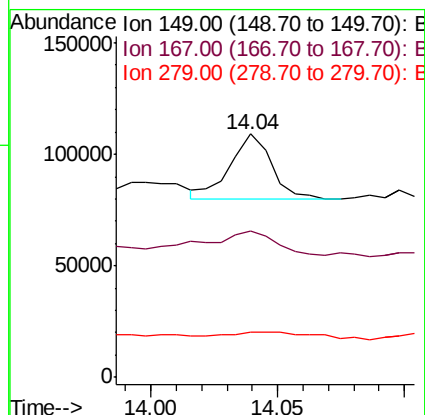
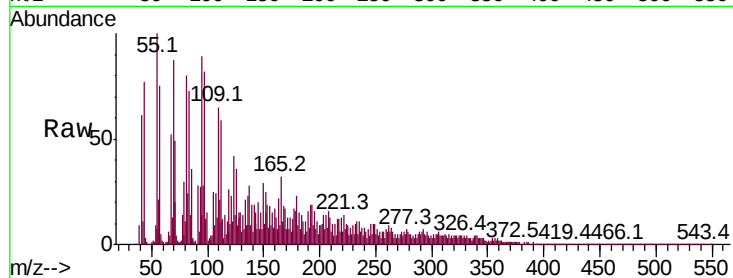
Tot Ion:149 Resp: 32097

Ion Ratio Lower Upper

149 100

167 59.9 23.0 34.4#

279 18.7 3.7 5.5#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.05 min

Lab File: BP000354.D

Acq: 20 Sep 2019 15:12

Tgt Ion:264 Resp: 588529

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

265 23.0 17.2 25.8

