

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000254.D
 Acq On : 16 Sep 2019 22:25
 Operator : HP/JU
 Sample : K4878-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TPA-9

Quant Time: Sep 17 06:12:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	332560	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1188083	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	629823	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1086199	20.00	ng	0.00
76) Chrysene-d12	14.00	240	684192	20.00	ng	0.00
87) Perylene-d12	15.50	264	905542	20.00	ng	0.02

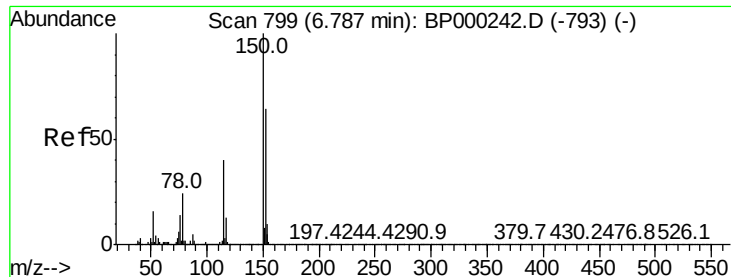
System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1943775	100.90	ng	0.00
7) Phenol-d6	6.42	99	2457755	104.08	ng	0.00
23) Nitrobenzene-d5	7.35	82	1352768	73.46	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	690118	110.47	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2631277	75.19	ng	0.00
79) Terphenyl-d14	12.93	244	2580568	79.12	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.33	77	1823	Below Cal	#	42
10) Phenol	6.43	94	111817	4.168 ng		95
19) n-Nitroso-di-n-propylamine	7.35	70	167909	13.449 ng	#	75
25) Isophorone	7.35	82	1351312	37.060 ng	#	63
31) Naphthalene	8.09	128	438531	7.970 ng		98
33) 4-Chloroaniline	8.09	127	57316	2.302 ng	#	33
37) 2-Methylnaphthalene	8.78	142	101402	2.696 ng		99
38) 1-Methylnaphthalene	8.88	142	130157	3.694 ng		98
46) 1,1'-Biphenyl	9.25	154	90502	2.077 ng		99
49) Acenaphthylene	9.69	152	1613284	29.365 ng		100
50) Dimethylphthalate	9.54	163	220089	5.129 ng		99
51) 2,6-Dinitrotoluene	9.83	165	94567	10.023 ng	#	30
52) Acenaphthene	9.86	154	346669	9.999 ng		98
55) Dibenzofuran	10.03	168	756592	15.437 ng		98
56) 4-Nitrophenol	10.03	139	270974	33.267 ng	#	15
58) Fluorene	10.38	166	714102	18.864 ng		99
67) 4-Bromophenyl-phenylether	10.62	248	47826	3.894 ng	#	1
69) Atrazine	11.02	200	371	Below Cal	#	1
71) Phenanthrene	11.35	178	4217539	77.482 ng		97
72) Anthracene	11.40	178	2633538	47.004 ng		99
73) Carbazole	11.55	167	475989	9.434 ng		99
75) Fluoranthene	12.57	202	8243597	141.040 ng		93
78) Pyrene	12.80	202	7559327	147.675 ng		93
81) Benzo(a)anthracene	14.03	228	4271028	98.824 ng		91
83) Chrysene	14.03	228	4271028	100.650 ng		95
86) Indeno(1,2,3-cd)pyrene	17.00	276	3945903	76.287 ng		92
88) Benzo(b)fluoranthene	15.07	252	9673954	179.076 ng		97
89) Benzo(k)fluoranthene	15.07	252	9673954	205.294 ng		97
90) Benzo(a)pyrene	15.45	252	5476073	111.404 ng		95
91) Dibenzo(a,h)anthracene	17.16	278	868444	18.950 ng		95
92) Benzo(g,h,i)perylene	17.46	276	3754114	79.694 ng		97

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

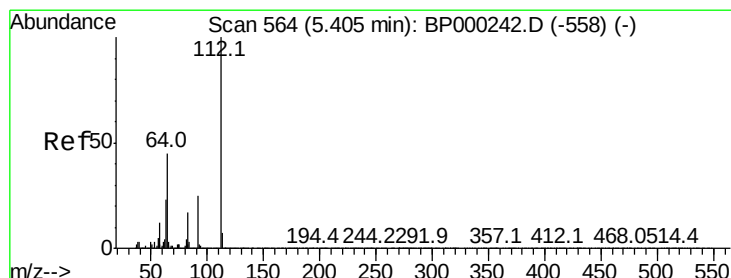
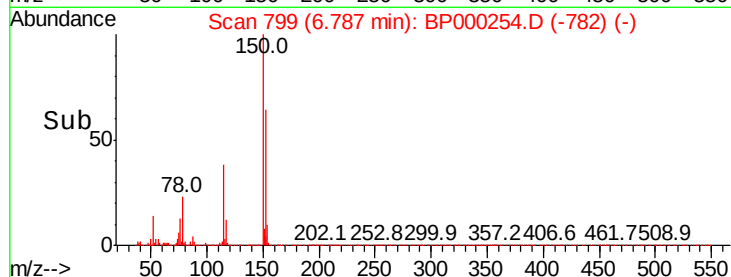
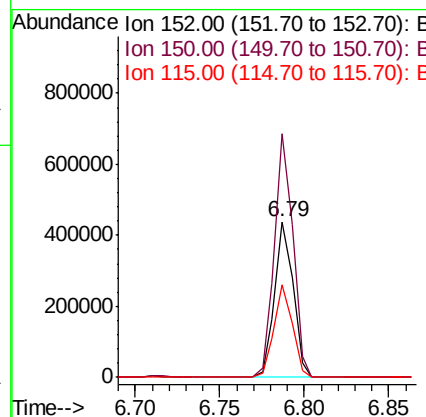
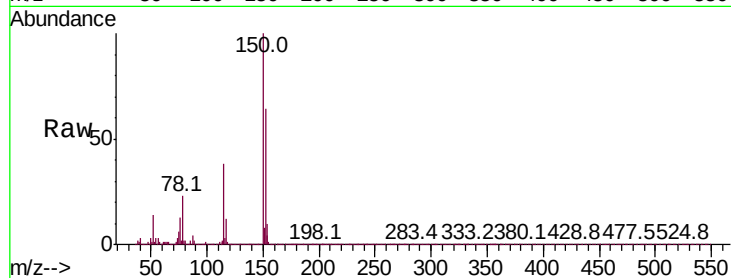


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000254.D
Acq: 16 Sep 2019 22:25

Instrument :
BNA_P
ClientSampleId :
TPA-9

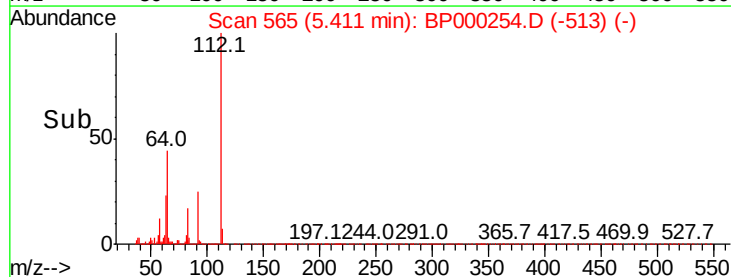
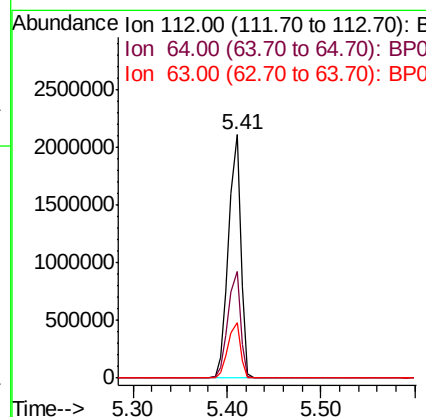
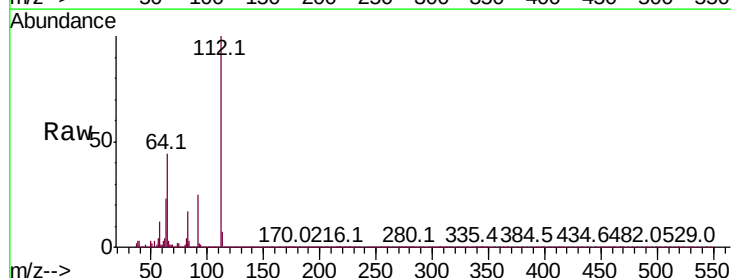
Tot Ion:152 Resp: 332560
Ion Ratio Lower Upper
152 100
150 156.2 125.2 187.8
115 59.4 49.7 74.5

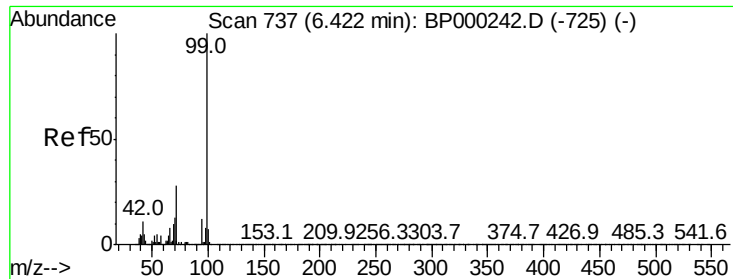


#5

2-Fluorophenol
Concen: 100.903 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000254.D
Acq: 16 Sep 2019 22:25

Tgt Ion:112 Resp: 1943775
Ion Ratio Lower Upper
112 100
64 43.6 36.2 54.4
63 22.5 18.3 27.5





#7

Phenol-d6

Concen: 104.083 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

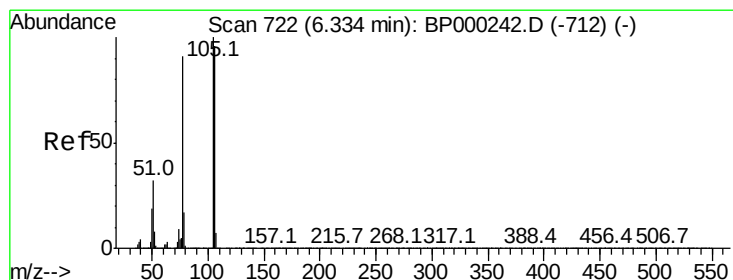
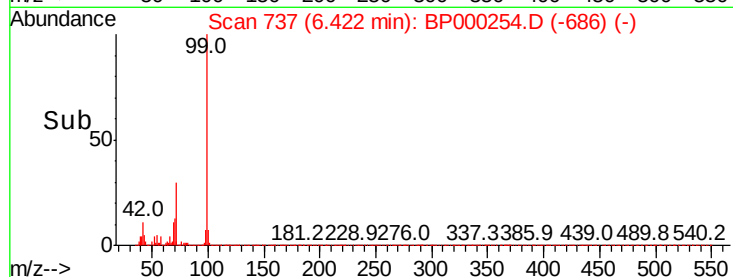
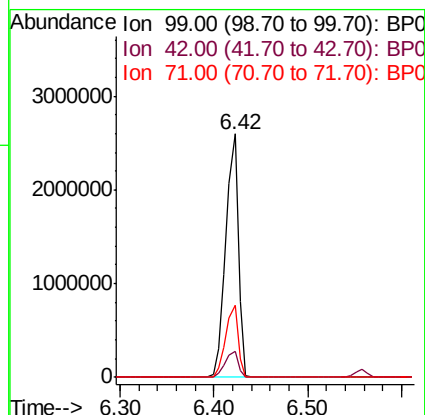
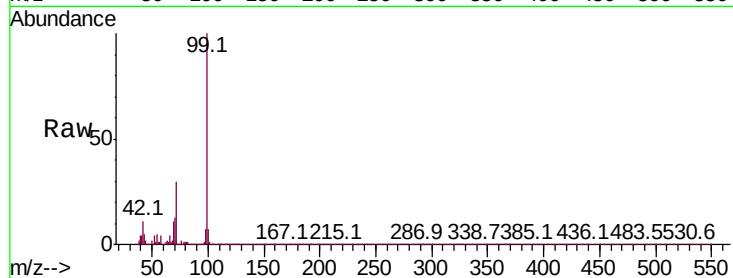
Tot Ion: 99 Resp: 2457755

Ion Ratio Lower Upper

99 100

42 10.9 8.5 12.7

71 29.8 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

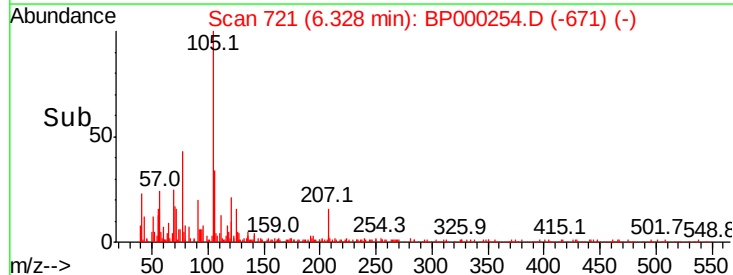
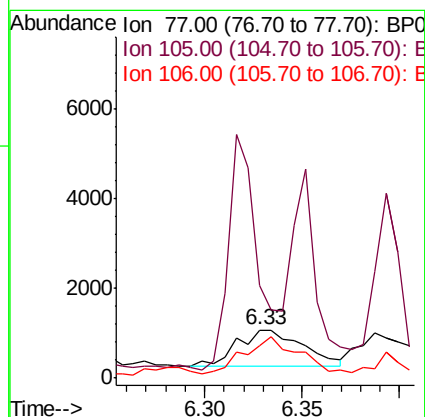
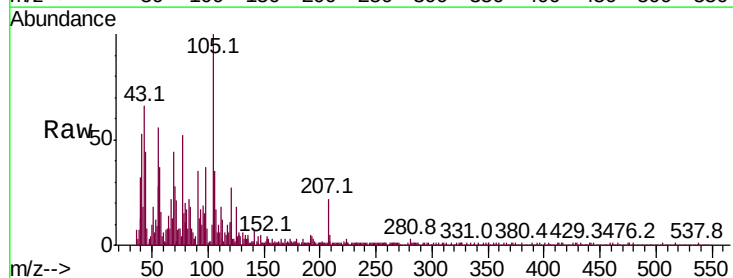
Tgt Ion: 77 Resp: 1823

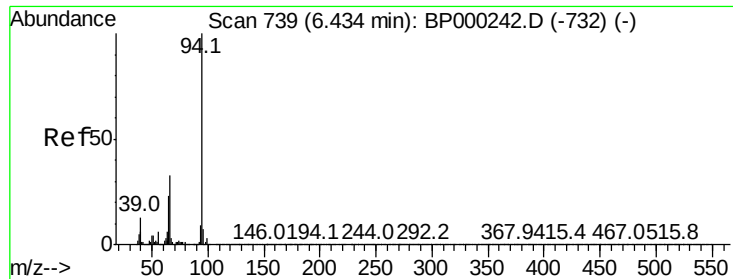
Ion Ratio Lower Upper

77 100

105 190.8 89.6 129.6#

106 66.0 84.6 124.6#





#10

Phenol

Concen: 4.168 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

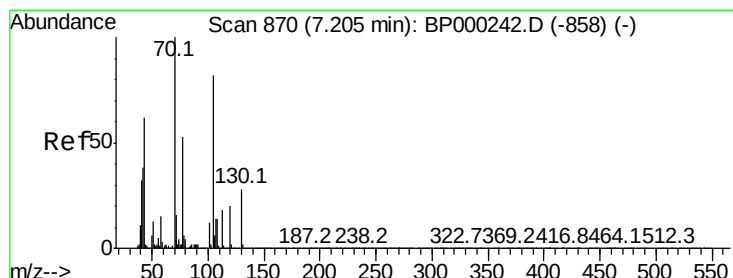
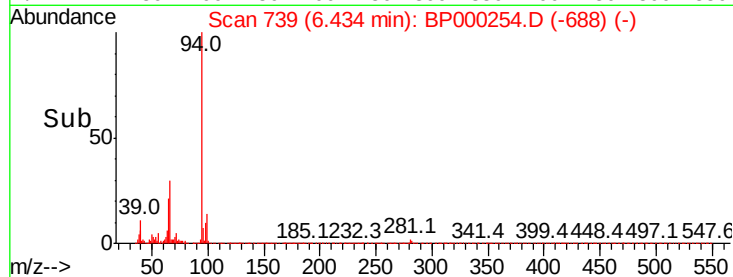
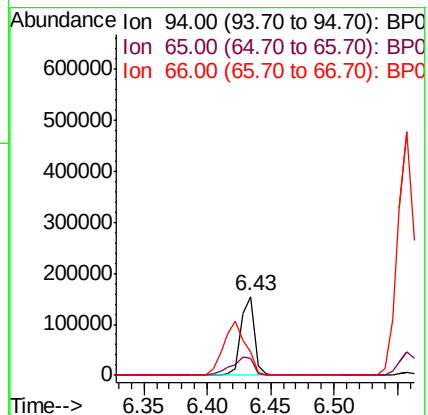
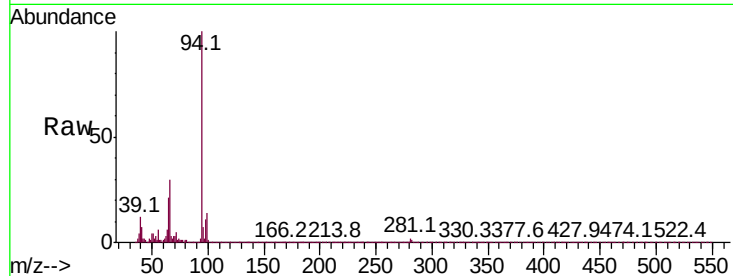
Tot Ion: 94 Resp: 111817

Ion Ratio Lower Upper

94 100

65 21.3 3.3 43.3

66 29.7 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.449 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Tgt Ion: 70 Resp: 167909

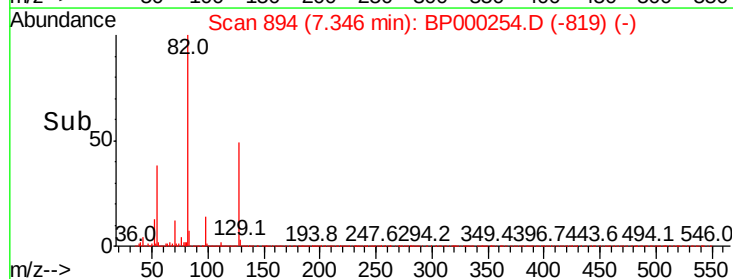
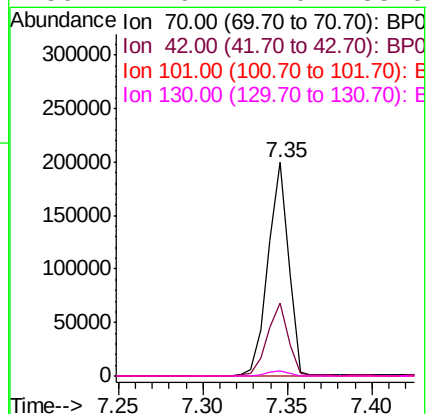
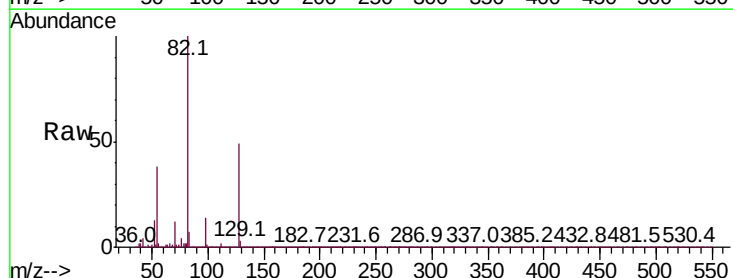
Ion Ratio Lower Upper

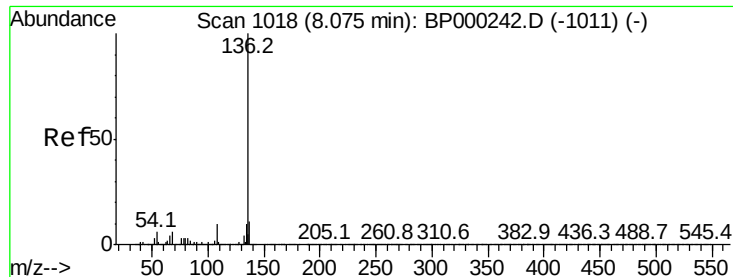
70 100

42 34.4 30.7 46.1

101 0.0 9.6 14.4#

130 2.6 22.0 33.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

Tot Ion:136 Resp: 1188083

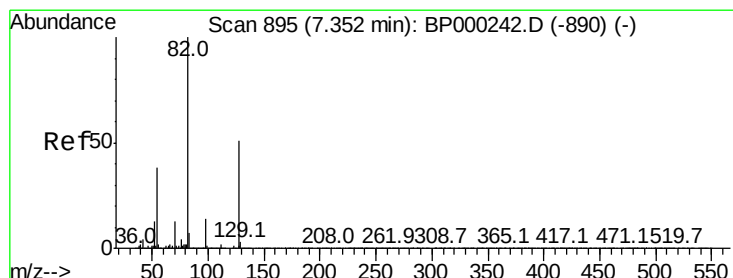
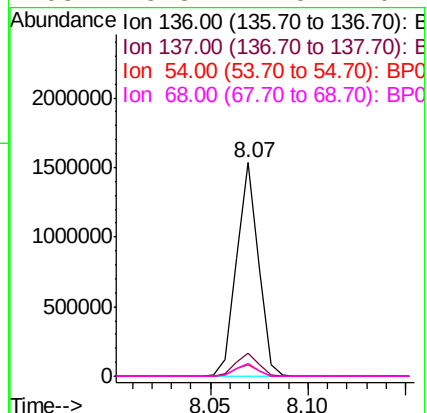
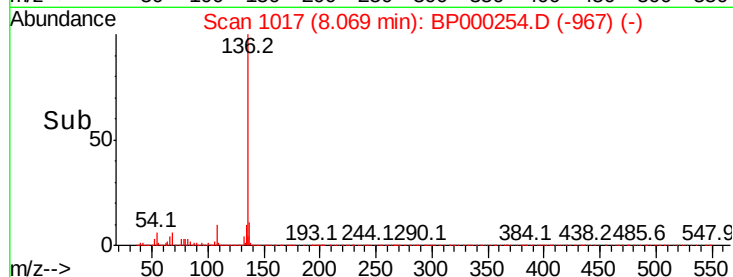
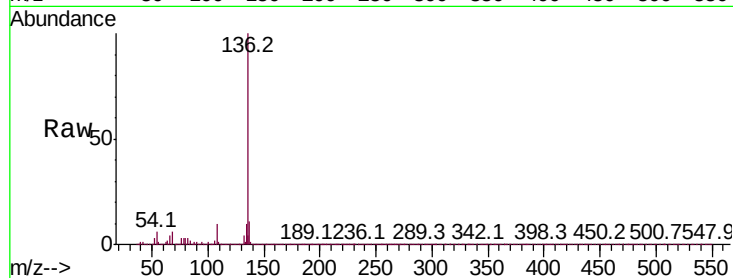
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 5.6 4.5 6.7

68 5.8 4.5 6.7



#23

Nitrobenzene-d5

Concen: 73.463 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

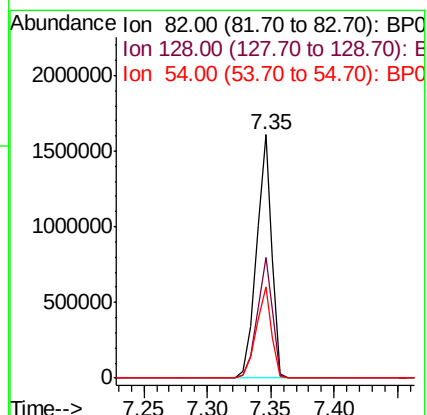
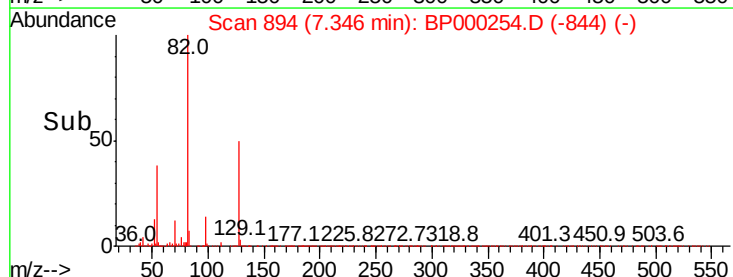
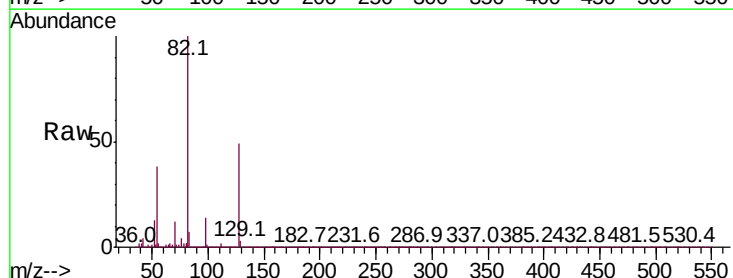
Tgt Ion: 82 Resp: 1352768

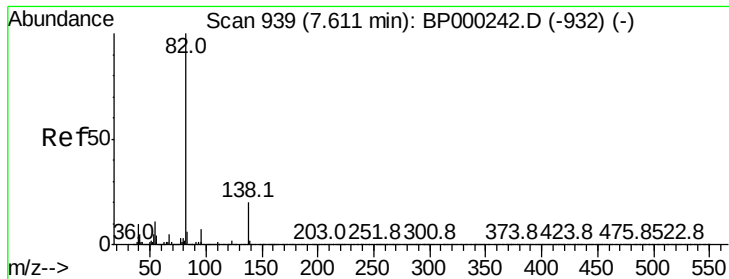
Ion Ratio Lower Upper

82 100

128 49.5 40.7 61.1

54 37.7 30.1 45.1





#25

Isophorone

Concen: 37.060 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

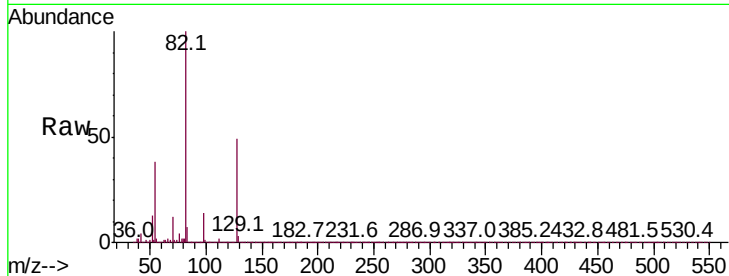
Tot Ion: 82 Resp: 1351312

Ion Ratio Lower Upper

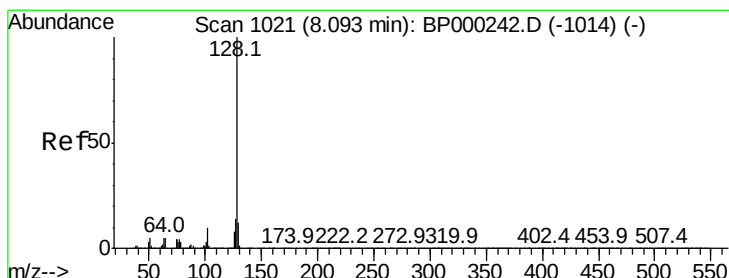
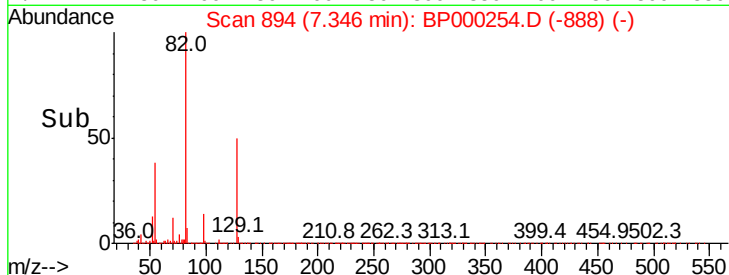
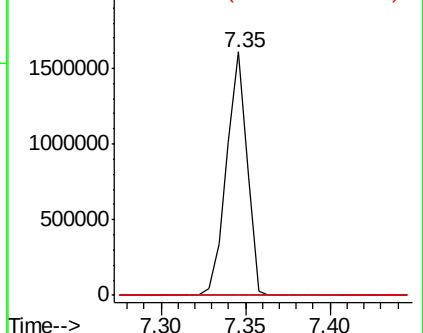
82 100

95 0.0 5.9 8.9#

138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 95.00 (94.70 to 95.70): BP0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 7.970 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

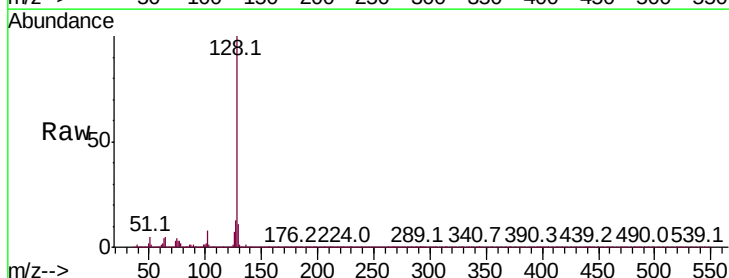
Tgt Ion:128 Resp: 438531

Ion Ratio Lower Upper

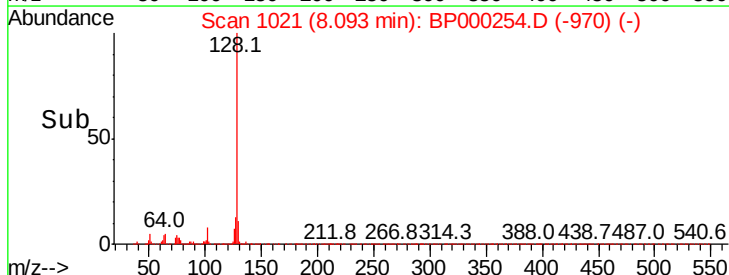
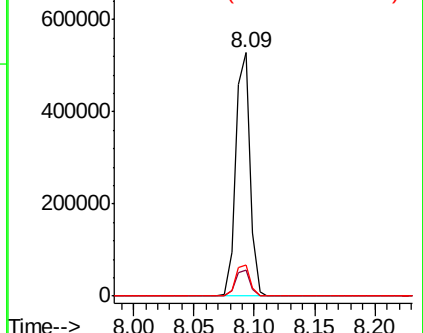
128 100

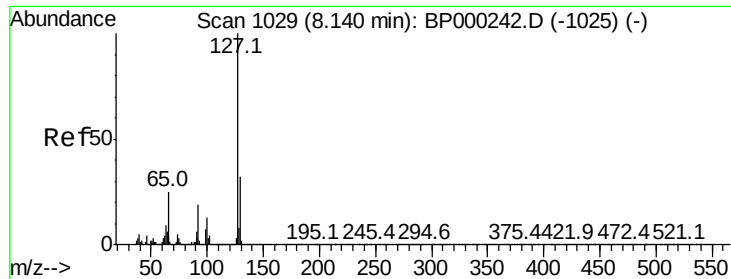
129 10.9 9.2 13.8

127 12.8 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

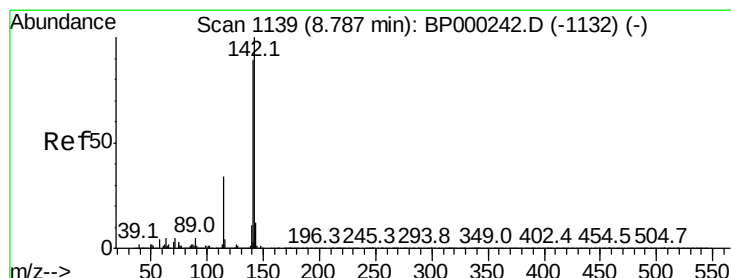
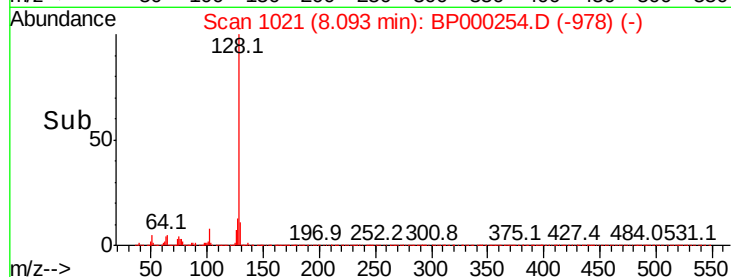
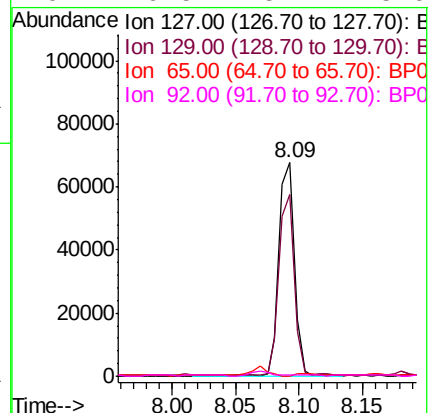
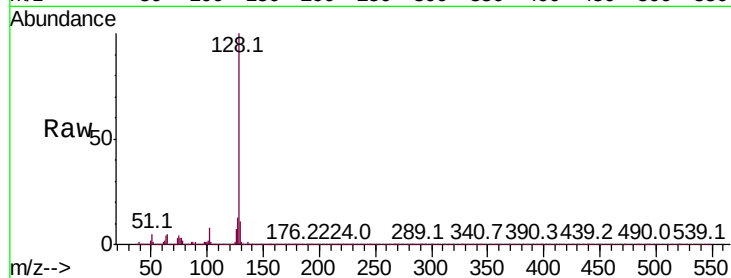




#33
4-Chloroaniline
Concen: 2.302 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BP000254.D
Acq: 16 Sep 2019 22:25

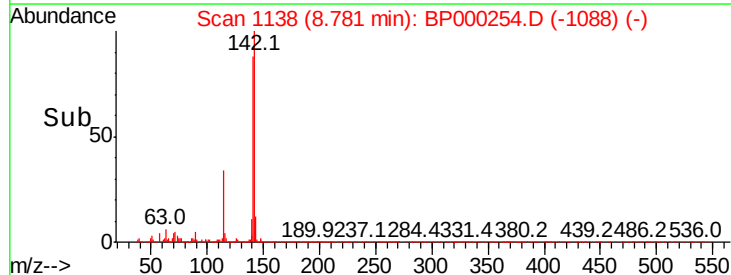
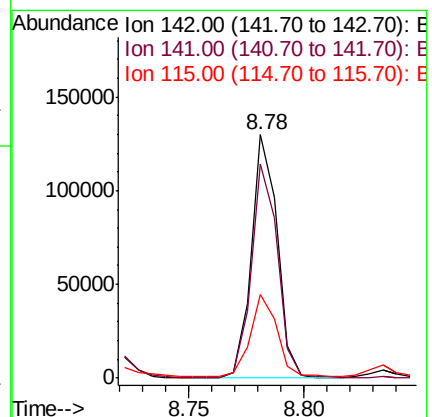
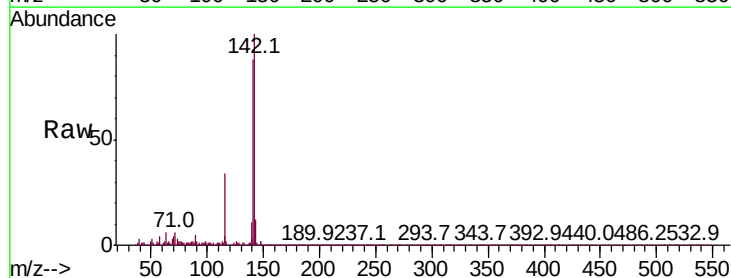
Instrument :
BNA_P
ClientSampled :
TPA-9

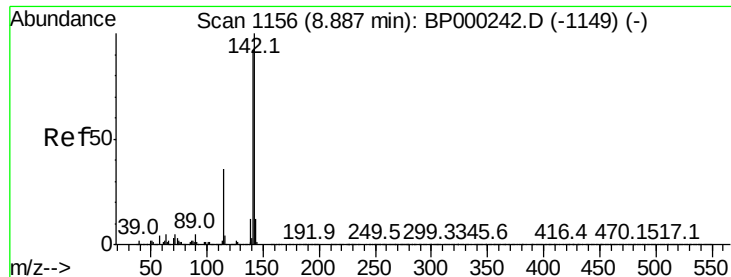
Tot Ion	Ratio	Lower	Upper
127	100		
129	85.1	25.7	38.5#
65	0.0	19.9	29.9#
92	0.5	15.4	23.0#



#37
2-Methylnaphthalene
Concen: 2.696 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BP000254.D
Acq: 16 Sep 2019 22:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	34.5	27.2	40.8





#38

1-Methylnaphthalene

Concen: 3.694 ng

RT: 8.88 min Scan# 1155

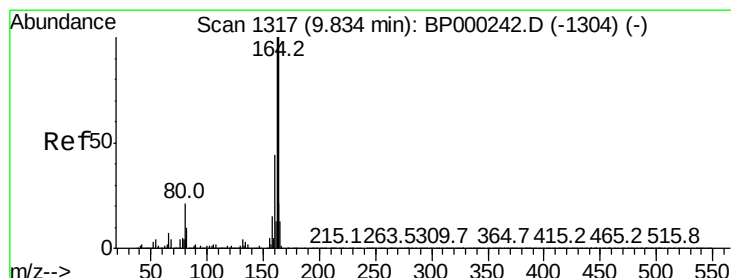
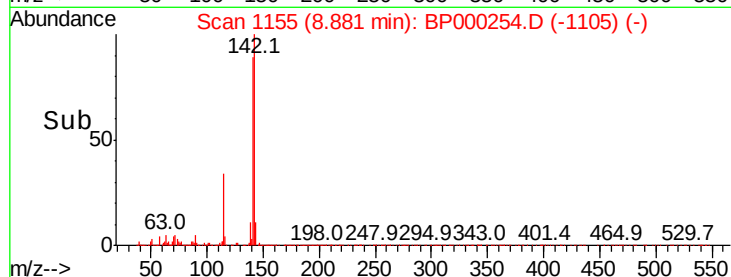
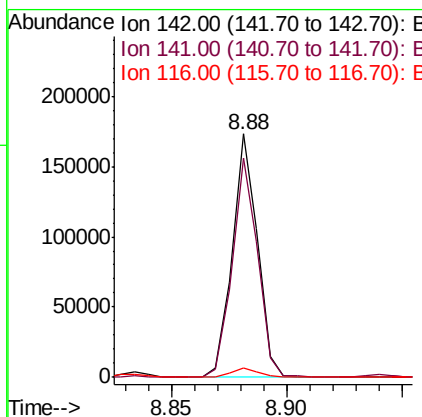
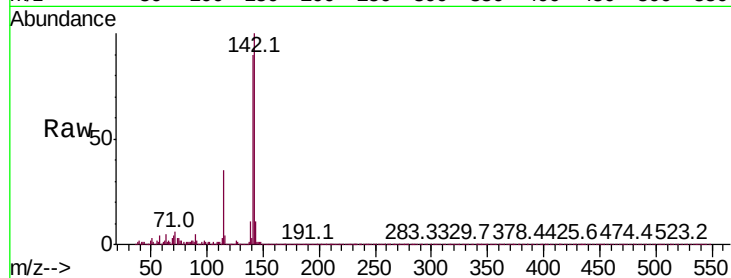
Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :
BNA_P
ClientSampleId :
TPA-9

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.9	110.9
116	4.0	3.0	4.6



#39

Acenaphthene-d10

Concen: 20.000 ng

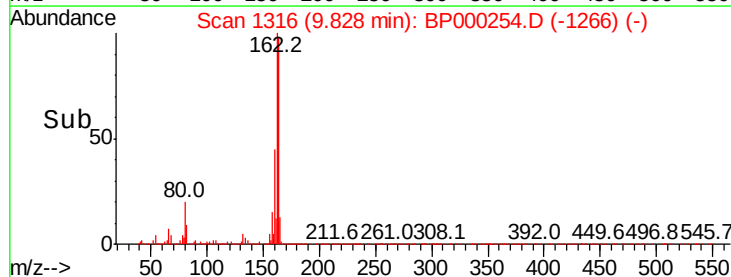
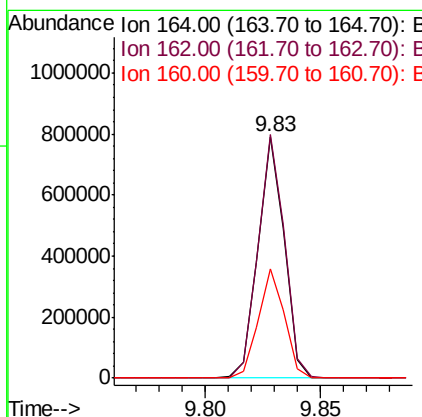
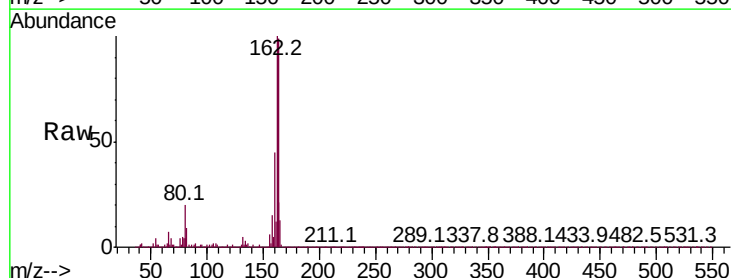
RT: 9.83 min Scan# 1316

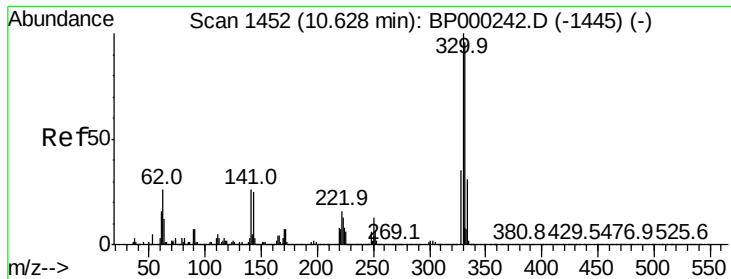
Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.9	119.9
160	45.2	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 110.472 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampled :

TPA-9

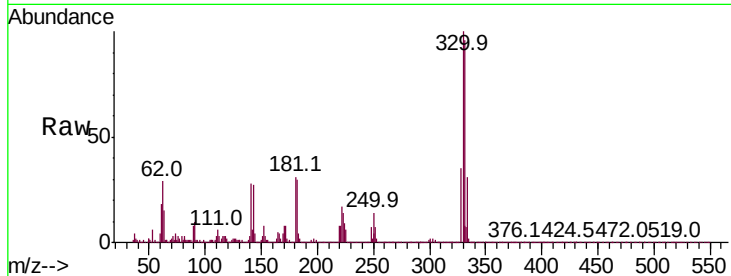
Tot Ion:330 Resp: 690118

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

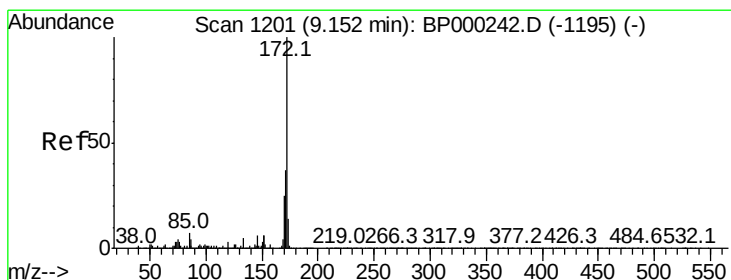
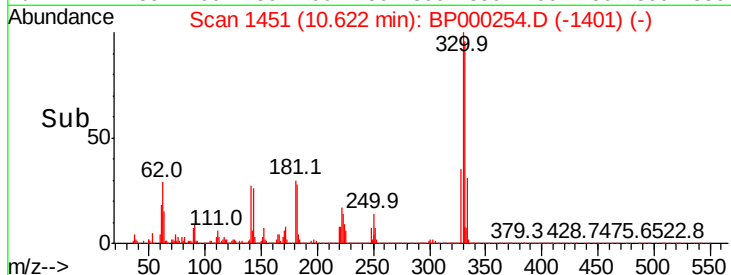
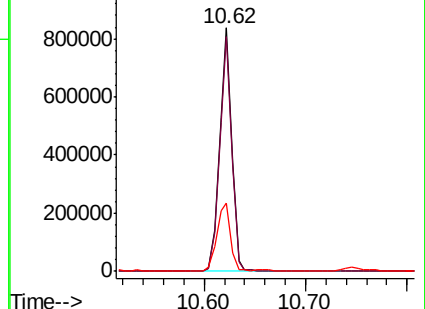
141 30.7 26.5 39.7



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: 75.192 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

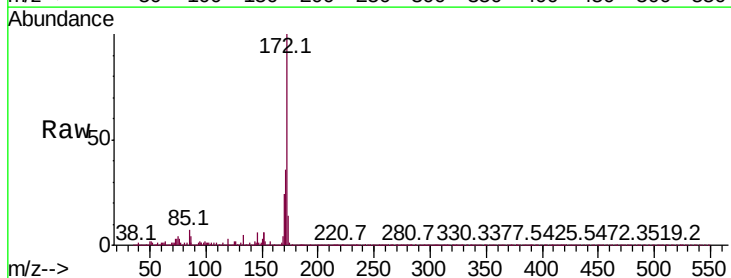
Tgt Ion:172 Resp: 2631277

Ion Ratio Lower Upper

172 100

171 36.4 29.8 44.6

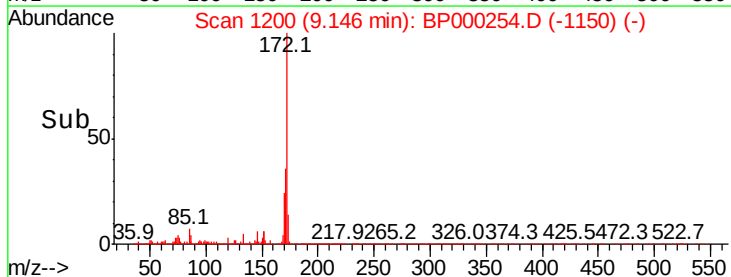
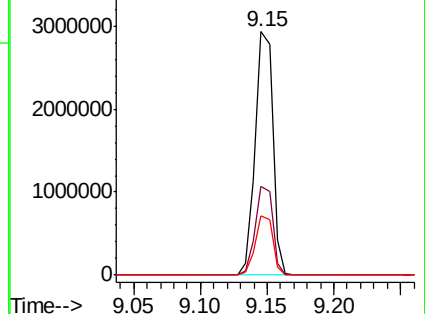
170 24.3 19.8 29.6

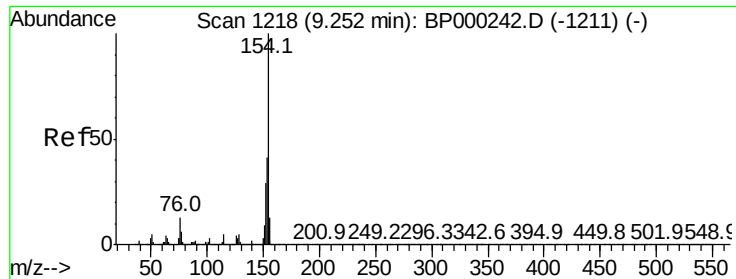


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 2.077 ng

RT: 9.25 min Scan# 1217

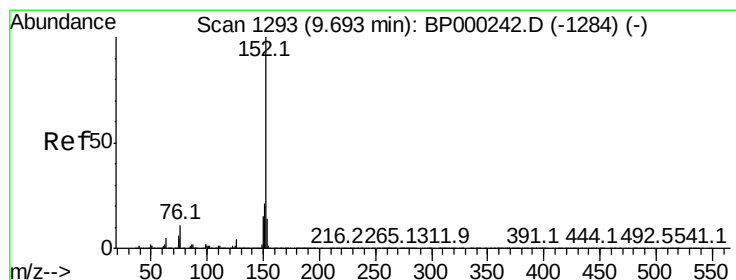
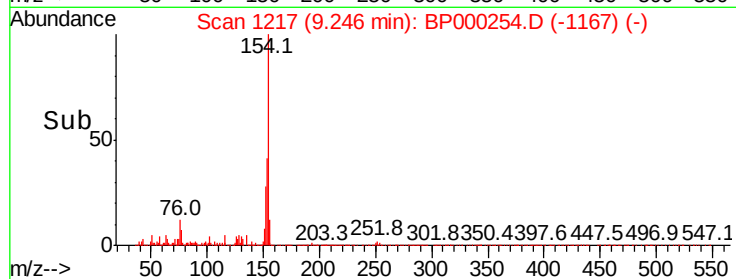
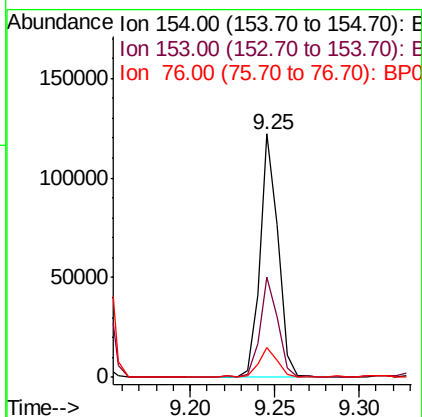
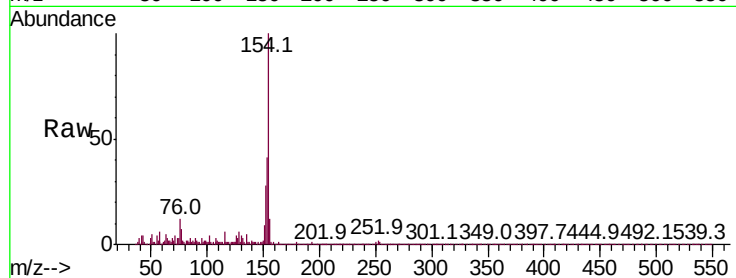
Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :
BNA_P
ClientSampleId :
TPA-9

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.4	61.4
76	12.5	0.0	33.4



#49

Acenaphthylene

Concen: 29.365 ng

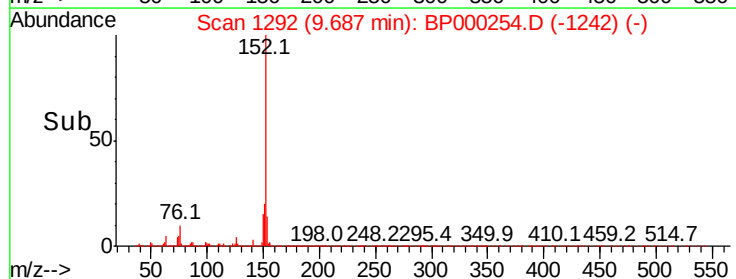
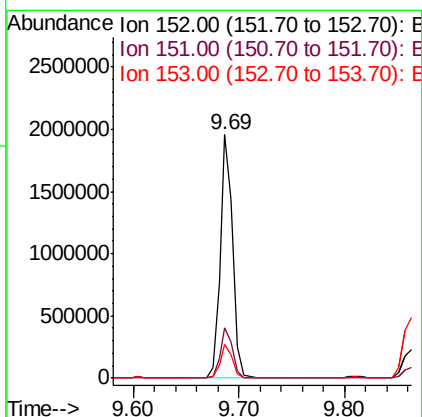
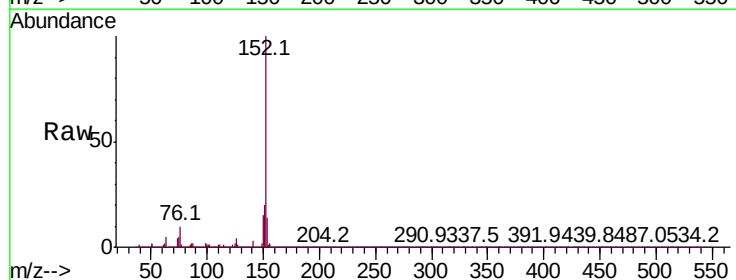
RT: 9.69 min Scan# 1292

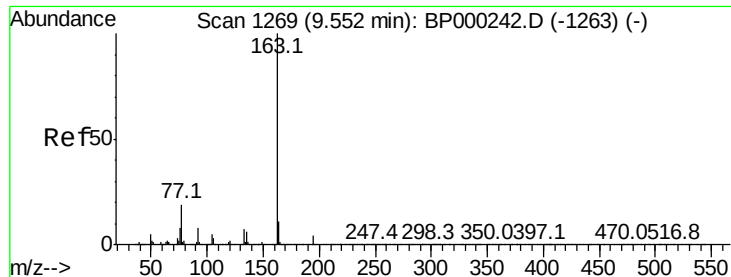
Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.8	11.0	16.4





#50

Dimethylphthalate

Concen: 5.129 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

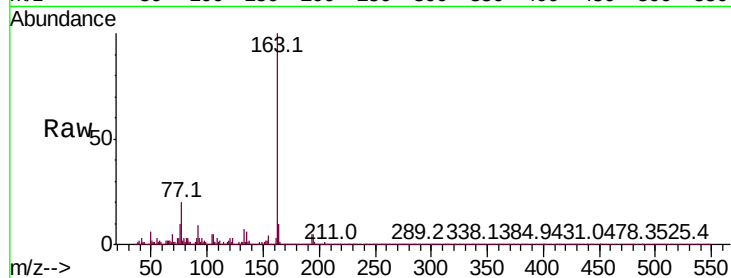
Tot Ion:163 Resp: 220089

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

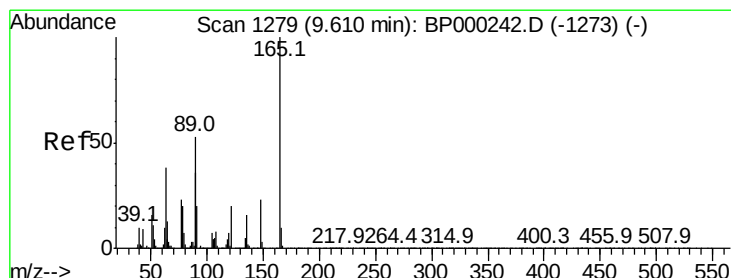
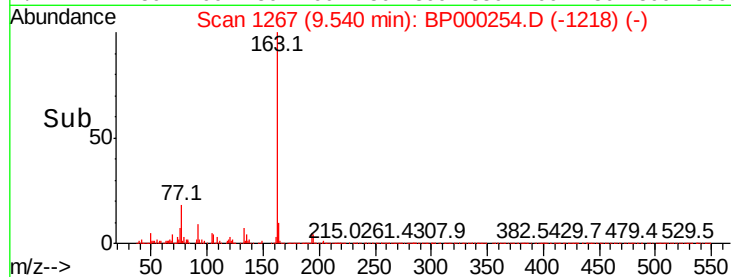
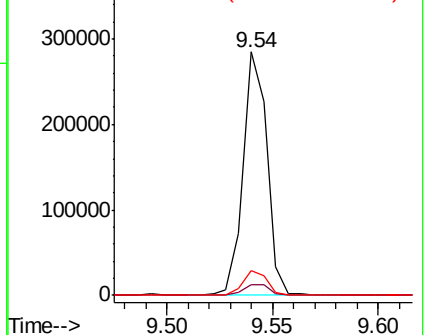
164 10.2 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 10.023 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.22 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

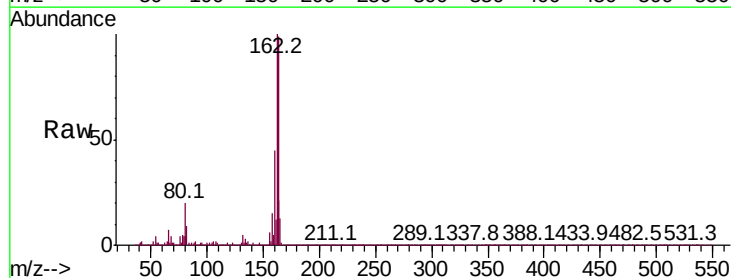
Tgt Ion:165 Resp: 94567

Ion Ratio Lower Upper

165 100

63 1.3 35.8 53.8#

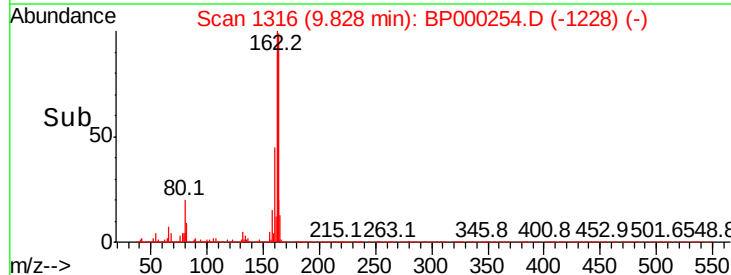
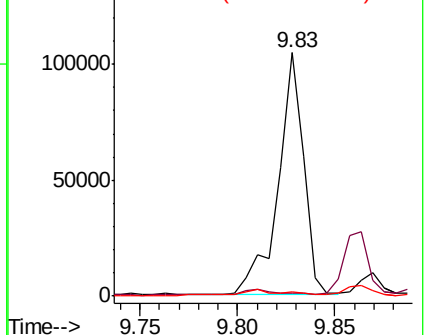
89 1.7 42.6 63.8#

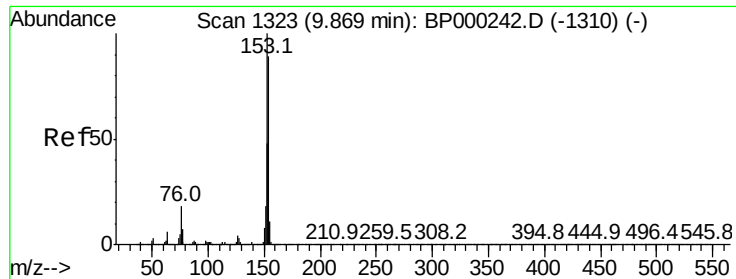


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0





#52

Acenaphthene

Concen: 9.999 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

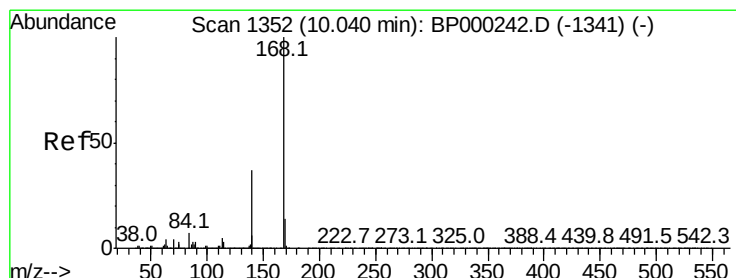
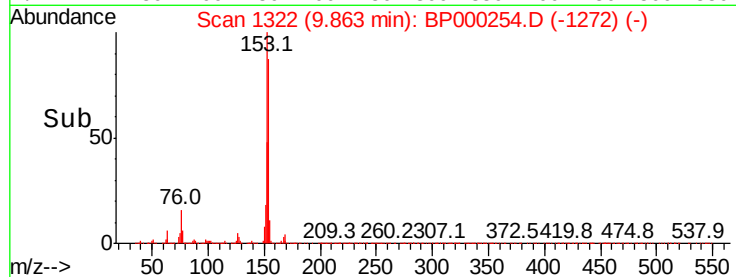
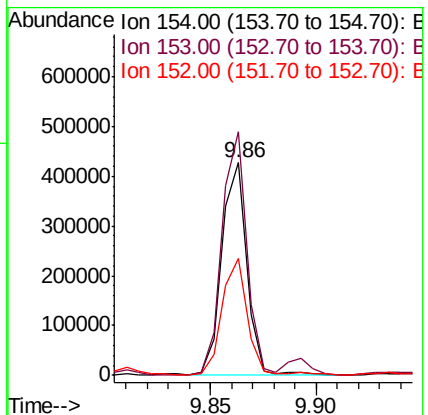
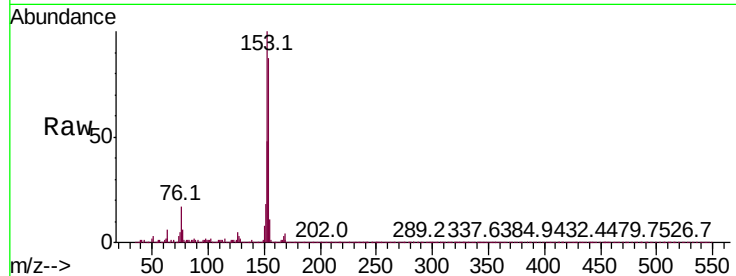
Tot Ion:154 Resp: 346669

Ion Ratio Lower Upper

154 100

153 114.6 89.8 134.6

152 55.0 43.4 65.0



#55

Dibenzofuran

Concen: 15.437 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

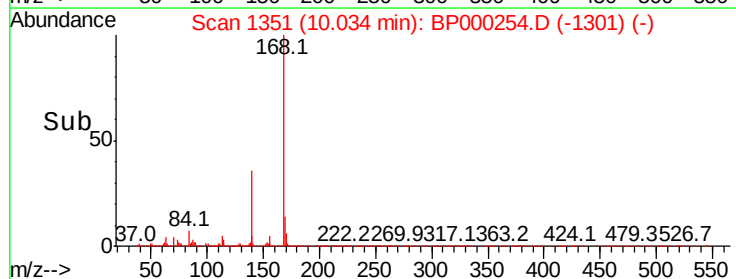
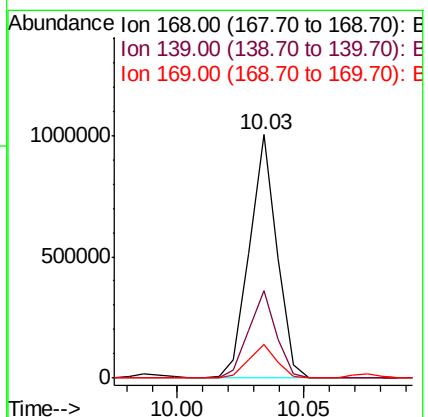
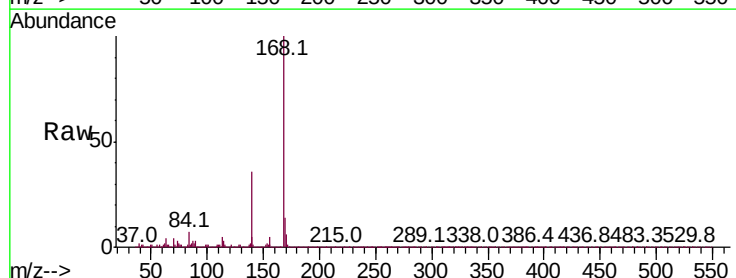
Tgt Ion:168 Resp: 756592

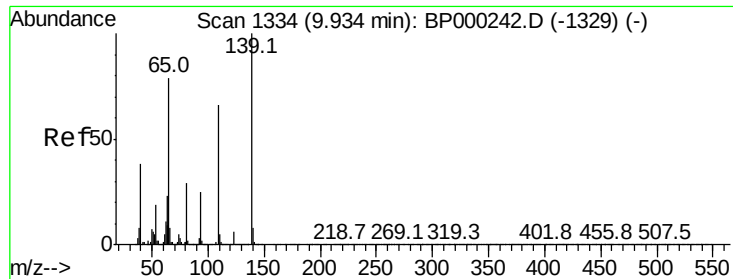
Ion Ratio Lower Upper

168 100

139 35.8 30.0 45.0

169 14.1 11.0 16.6





#56

4-Nitrophenol

Concen: 33.267 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.10 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

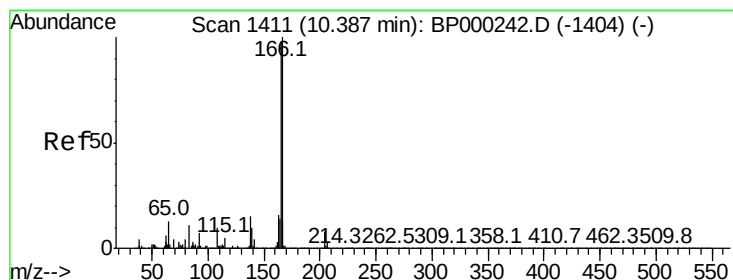
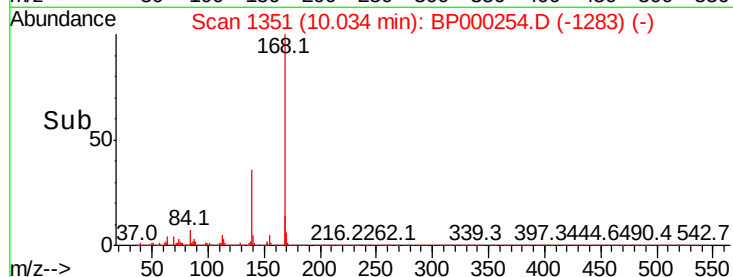
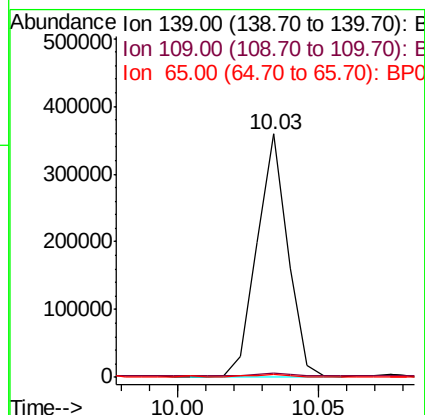
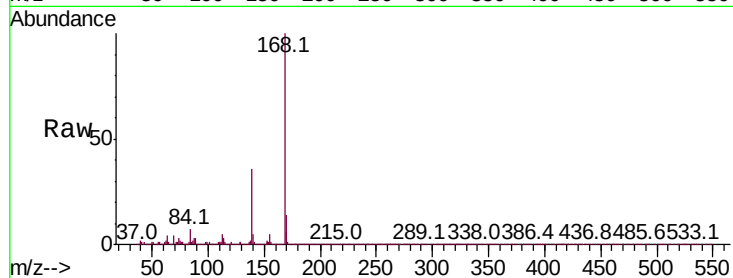
Tot Ion:139 Resp: 270974

Ion Ratio Lower Upper

139 100

109 1.6 46.2 86.2#

65 1.5 59.4 99.4#



#58

Fluorene

Concen: 18.864 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

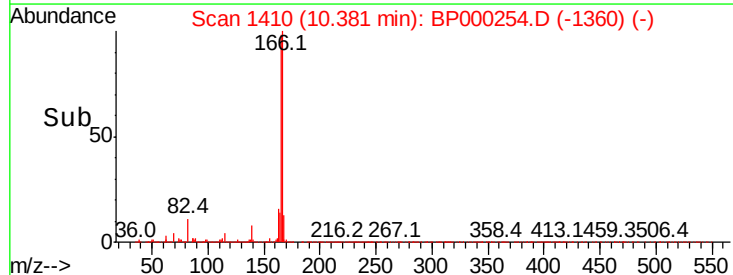
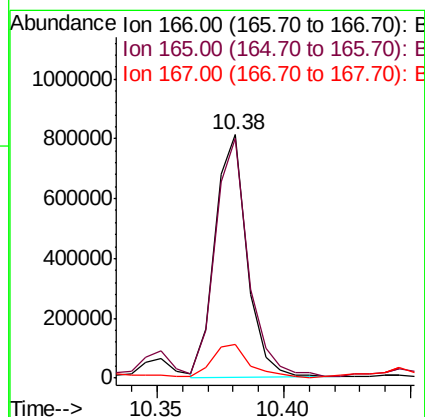
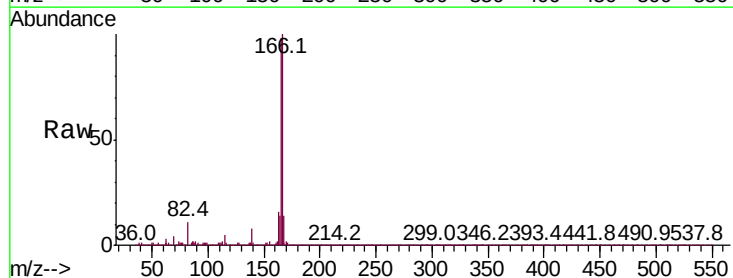
Tgt Ion:166 Resp: 714102

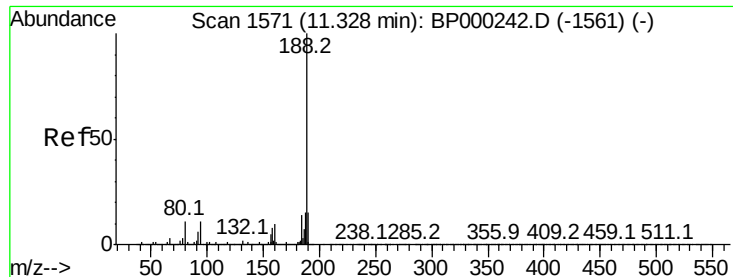
Ion Ratio Lower Upper

166 100

165 98.3 78.2 117.2

167 13.6 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

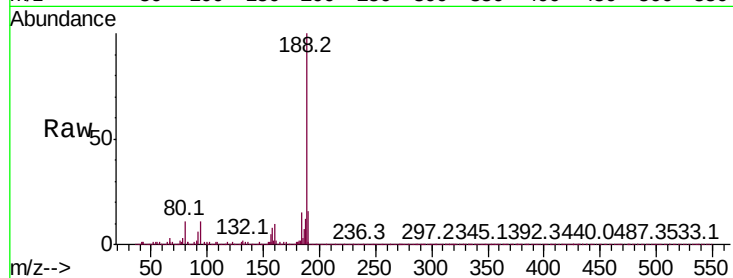
Tot Ion:188 Resp: 1086199

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

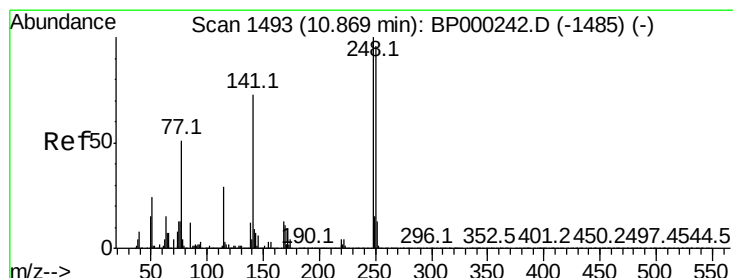
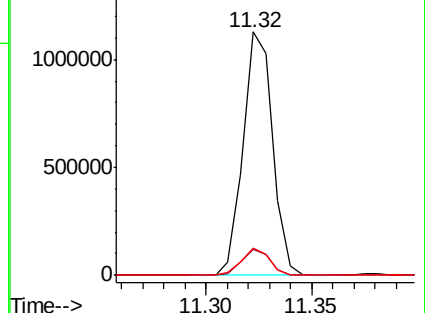
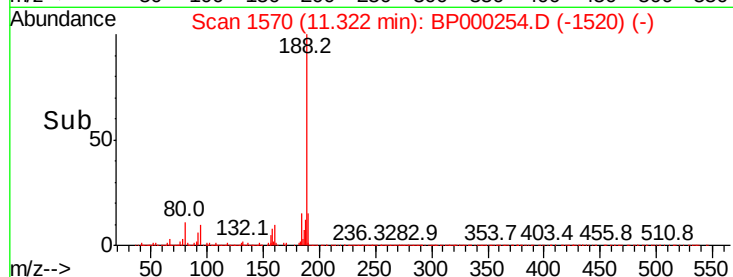
80 11.0 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

1500000 Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#67

4-Bromophenyl-phenylether

Concen: 3.894 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

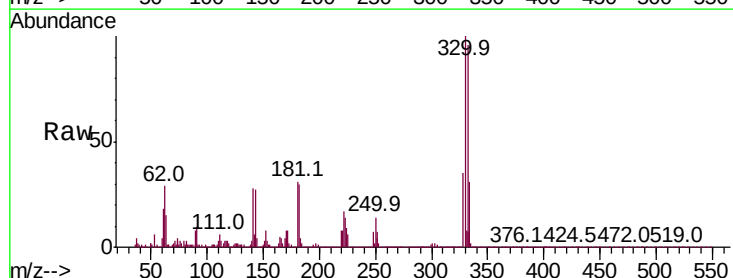
Tgt Ion:248 Resp: 47826

Ion Ratio Lower Upper

248 100

250 203.5 77.0 115.4#

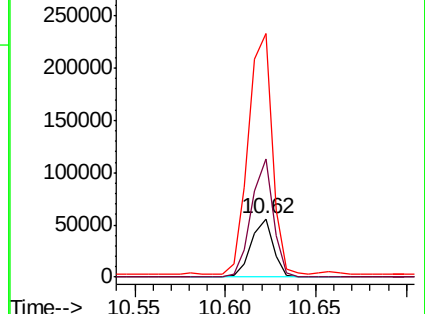
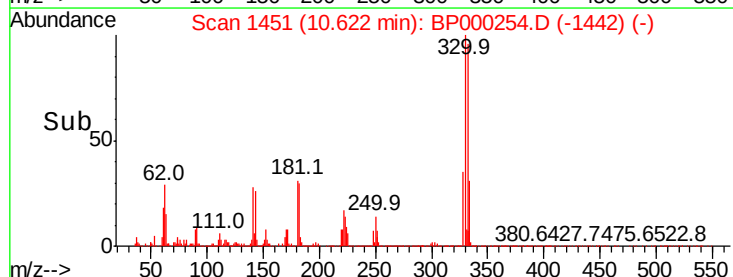
141 417.2 58.5 87.7#

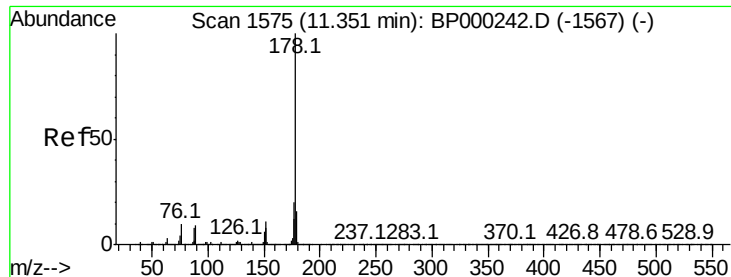


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 77.482 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampled :

TPA-9

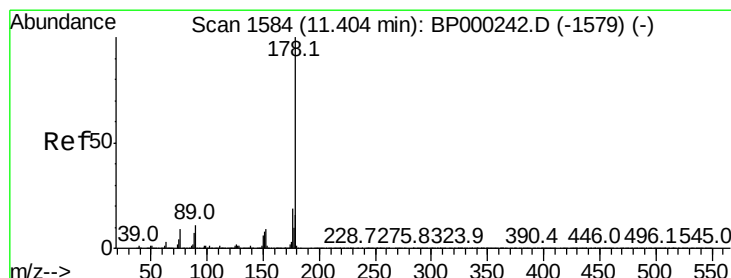
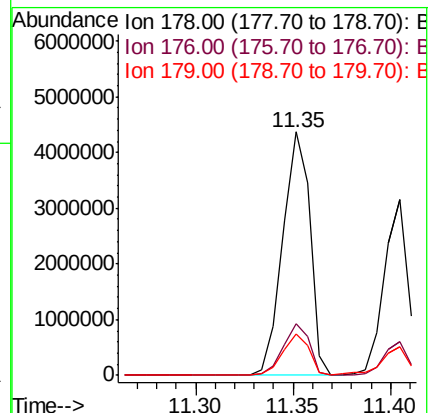
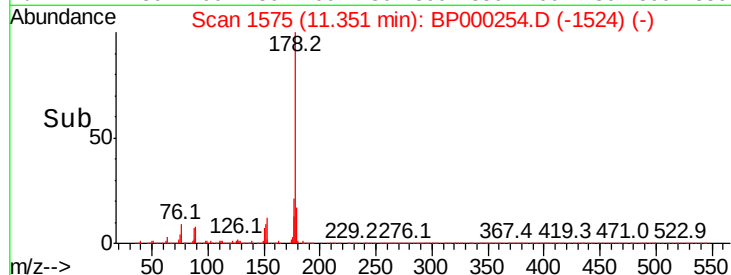
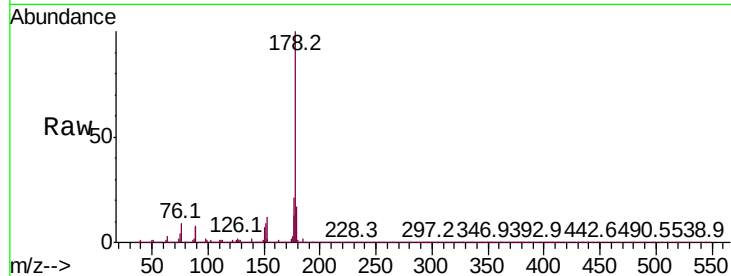
Tot Ion:178 Resp: 4217539

Ion Ratio Lower Upper

178 100

176 21.3 15.8 23.8

179 17.1 12.7 19.1



#72

Anthracene

Concen: 47.004 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

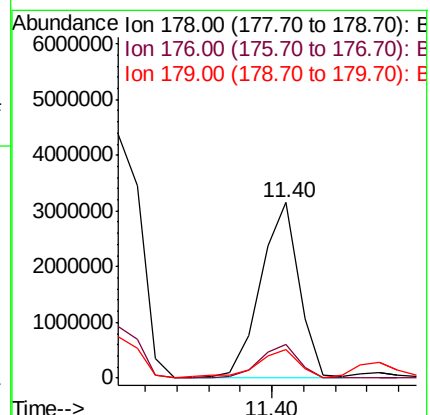
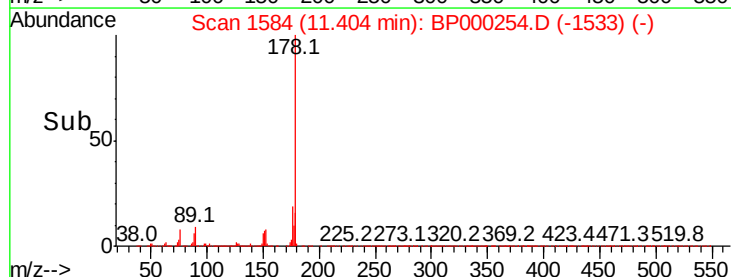
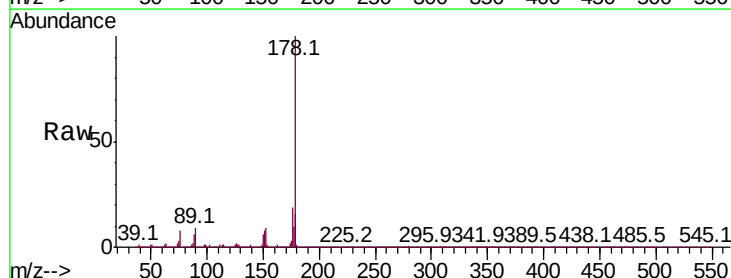
Tgt Ion:178 Resp: 2633538

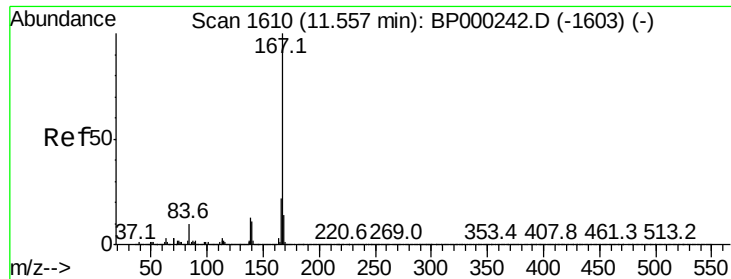
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 16.3 12.7 19.1

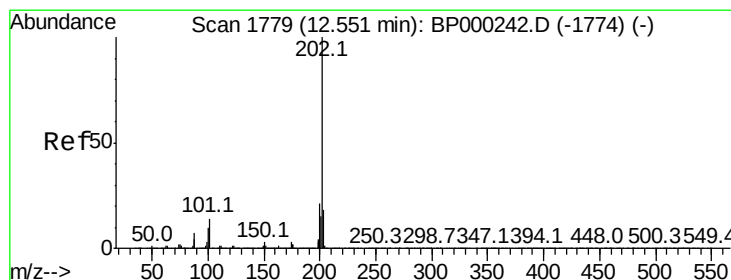
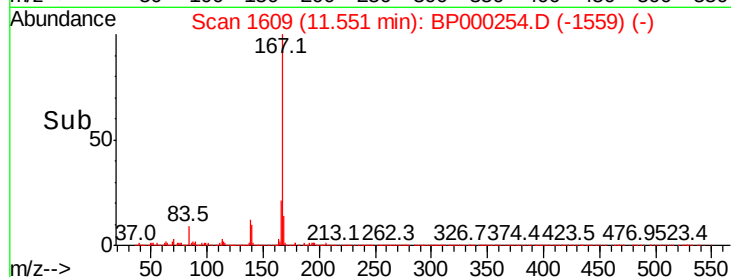
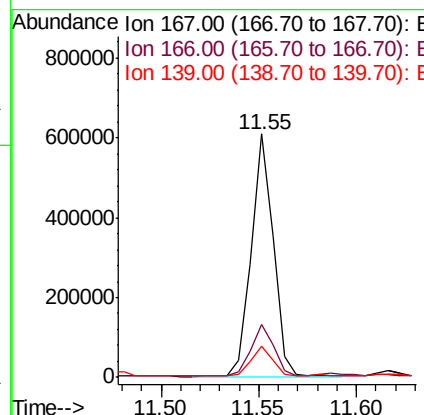
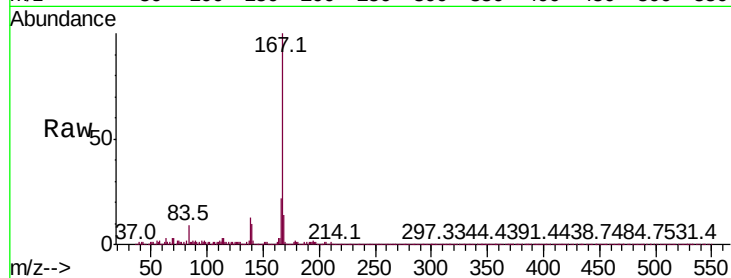




#73
 Carbazole
 Concen: 9.434 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

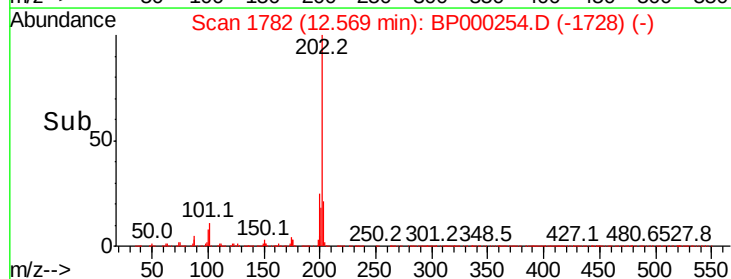
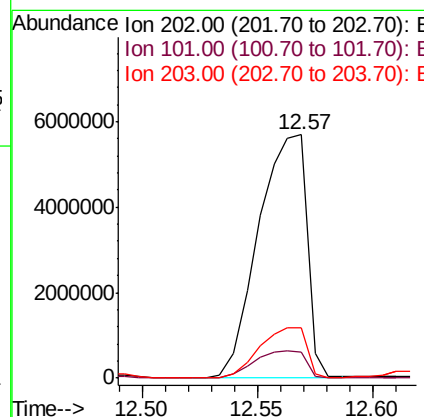
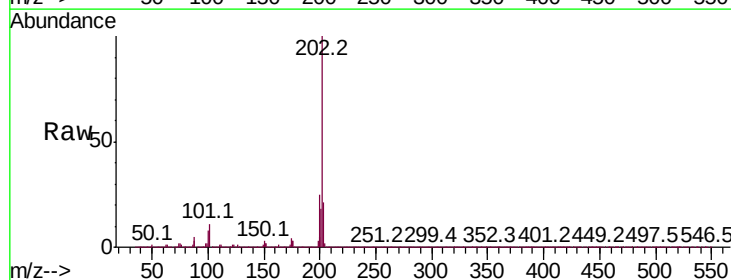
Instrument :
 BNA_P
 ClientSampleId :
 TPA-9

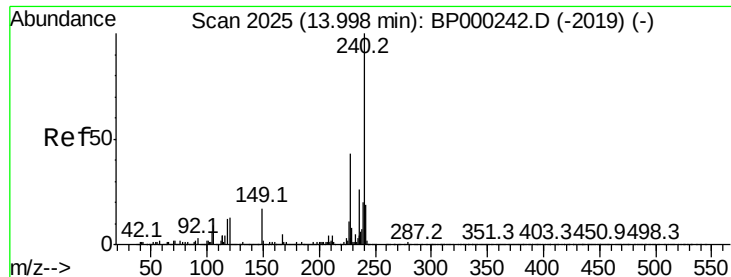
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.8
139	12.8	10.8	16.2



#75
 Fluoranthene
 Concen: 141.040 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. 0.02 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.9
203	20.7	0.0	38.0

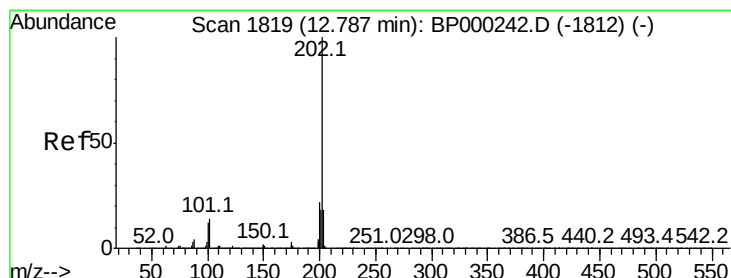
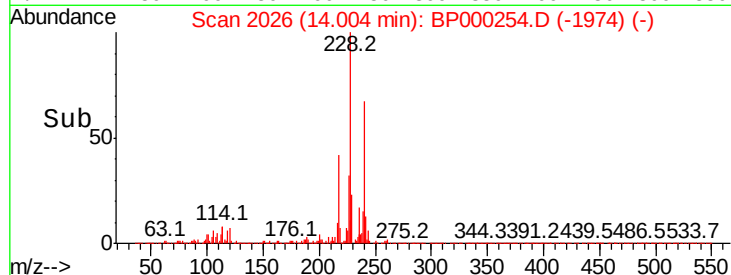
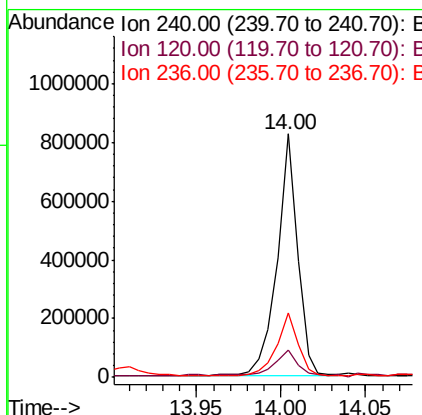
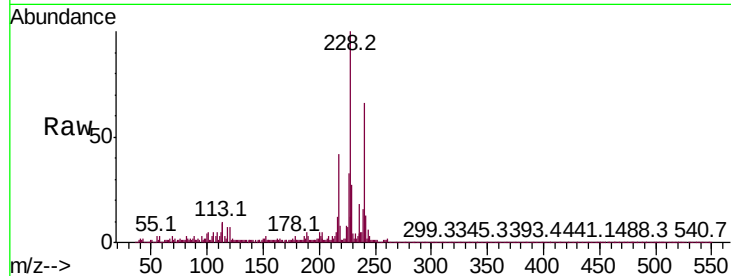




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BP000254.D
Acq: 16 Sep 2019 22:25

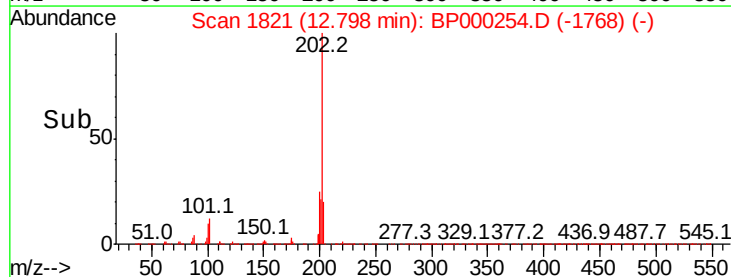
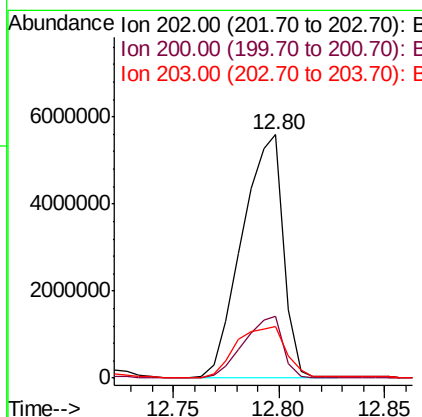
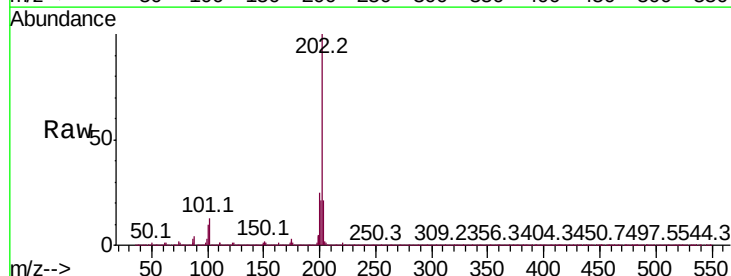
Instrument :
BNA_P
ClientSampled :
TPA-9

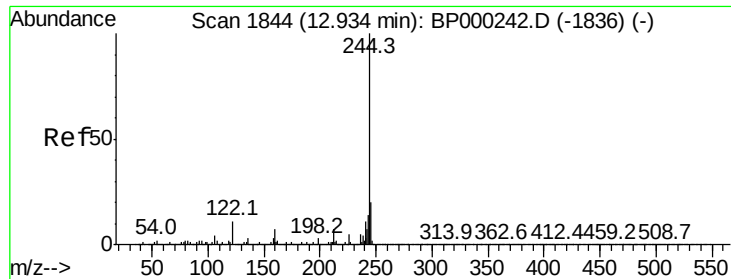
Tot Ion:240 Resp: 684192
Ion Ratio Lower Upper
240 100
120 11.3 10.4 15.6
236 26.7 21.0 31.6



#78
Pyrene
Concen: 147.675 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.01 min
Lab File: BP000254.D
Acq: 16 Sep 2019 22:25

Tgt Ion:202 Resp: 7559327
Ion Ratio Lower Upper
202 100
200 25.4 17.5 26.3
203 21.0 14.3 21.5

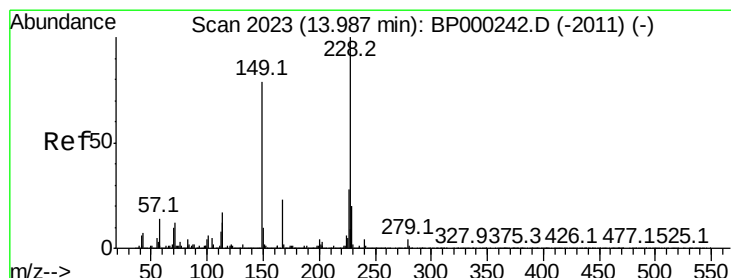
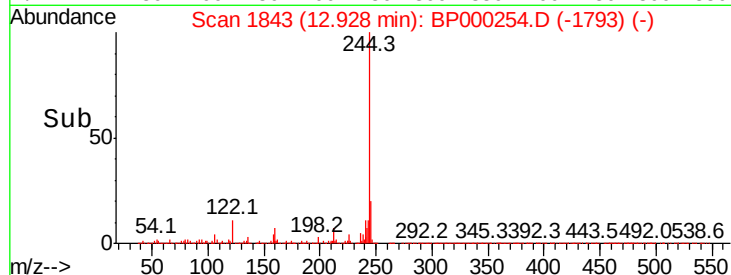
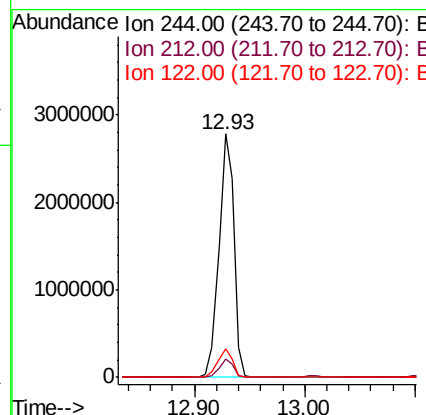
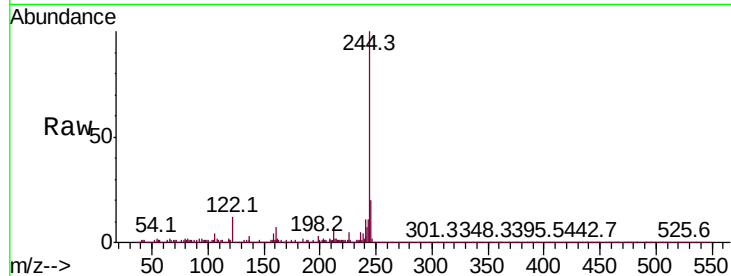




#79
 Terphenyl-d14
 Concen: 79.124 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

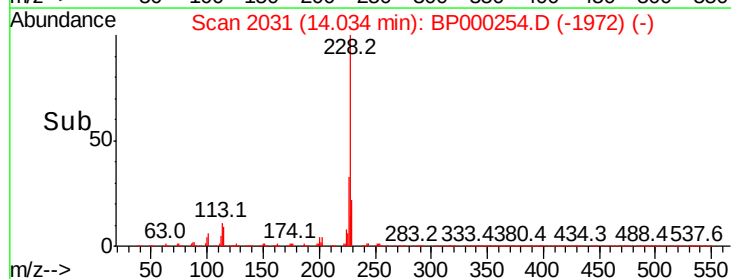
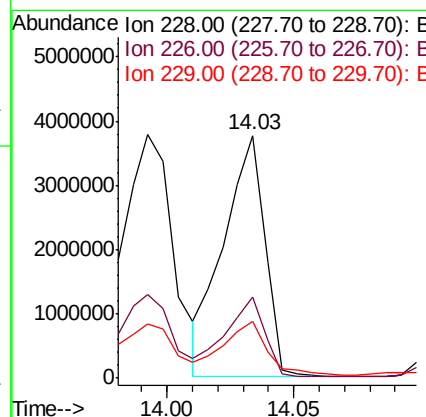
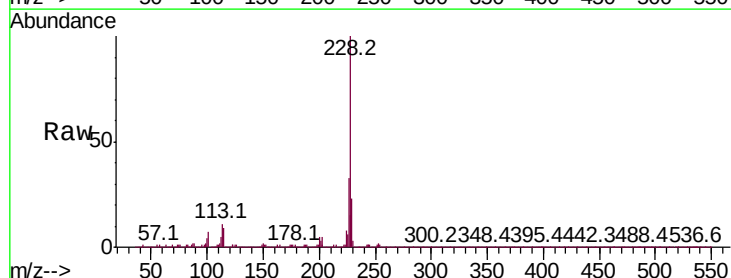
Instrument :
 BNA_P
 ClientSampleId :
 TPA-9

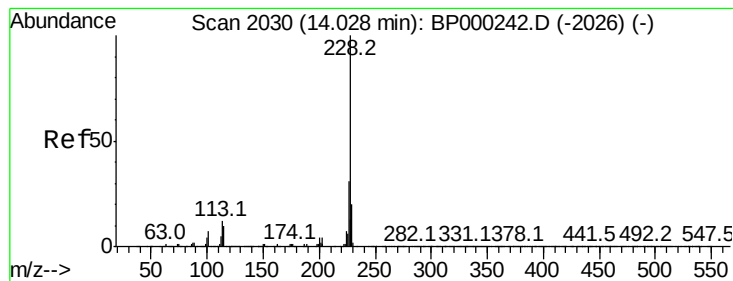
Tot Ion:244 Resp: 2580568
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.6 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 98.824 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.05 min
 Lab File: BP000254.D
 Acq: 16 Sep 2019 22:25

Tgt Ion:228 Resp: 4271028
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.2 33.4
 229 23.3 16.0 24.0





#83

Chrysene

Concen: 100.650 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampled :

TPA-9

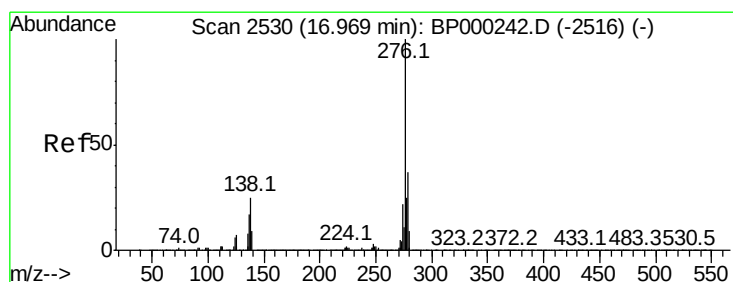
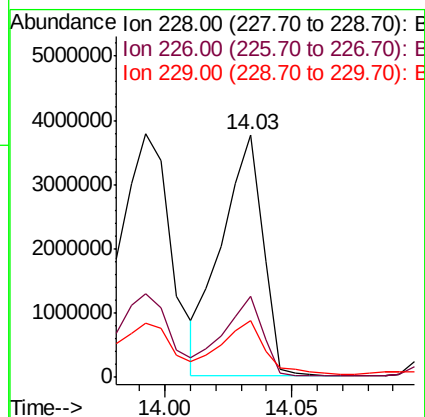
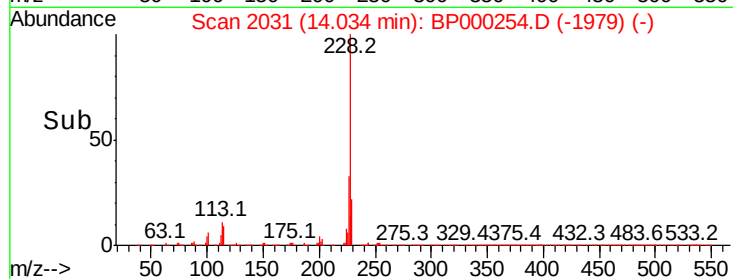
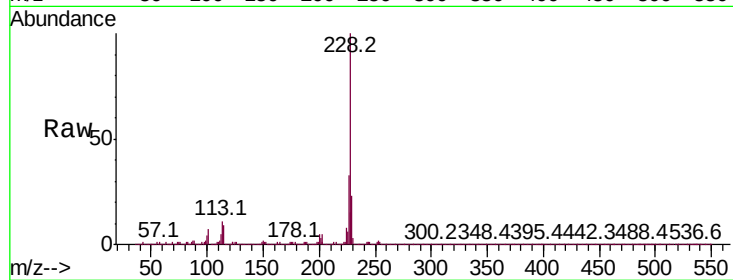
Tot Ion:228 Resp: 4271028

Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.9	37.3
229	23.3	16.2	24.2

228 100

226 33.2 24.9 37.3

229 23.3 16.2 24.2



#86

Indeno(1,2,3-cd)pyrene

Concen: 76.287 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.04 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

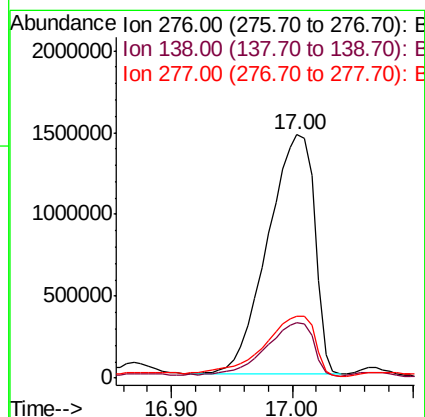
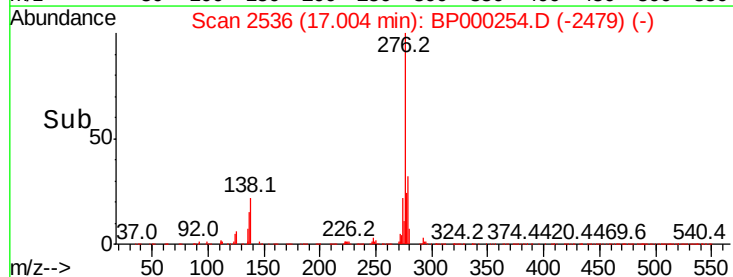
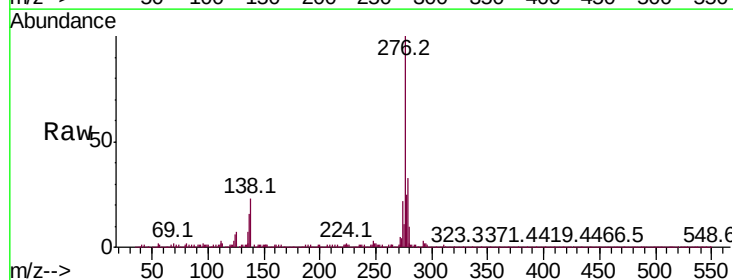
Tgt Ion:276 Resp: 3945903

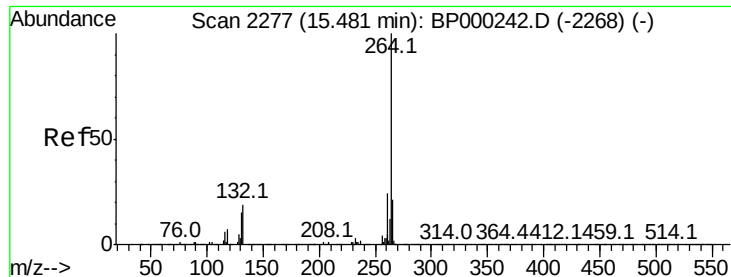
Ion	Ratio	Lower	Upper
276	100		
138	22.7	22.6	33.8
277	27.9	20.4	30.6

276 100

138 22.7 22.6 33.8

277 27.9 20.4 30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampled :

TPA-9

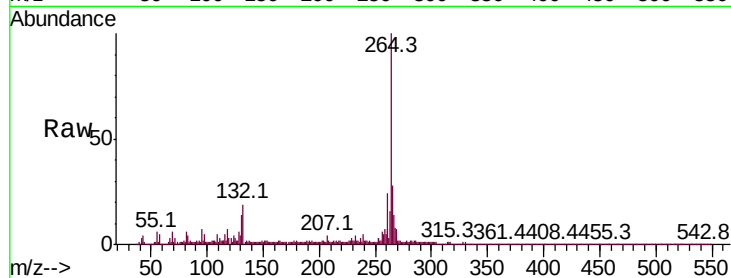
Tot Ion:264 Resp: 905542

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

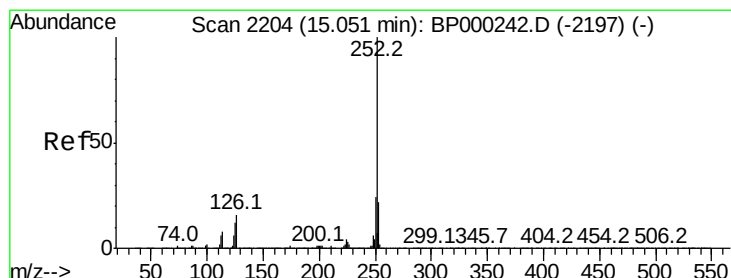
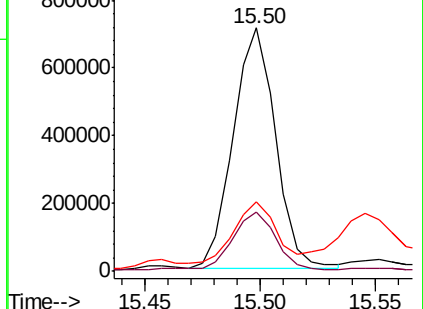
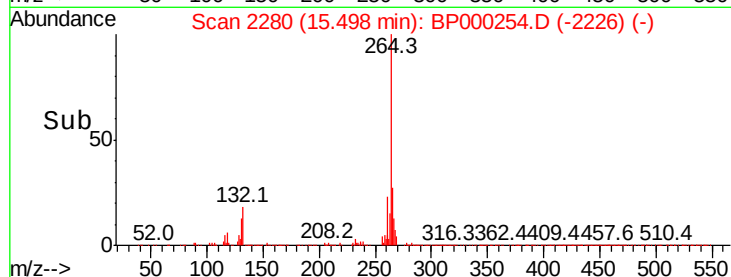
265 28.3 17.2 25.8#



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



#88

Benzo(b)fluoranthene

Concen: 179.076 ng

RT: 15.07 min Scan# 2208

Delta R.T. 0.02 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

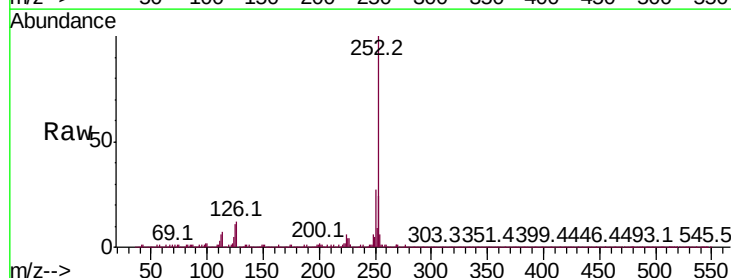
Tgt Ion:252 Resp: 9673954

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

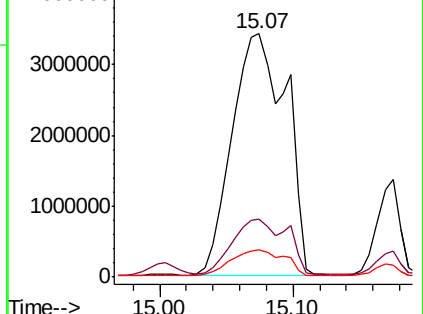
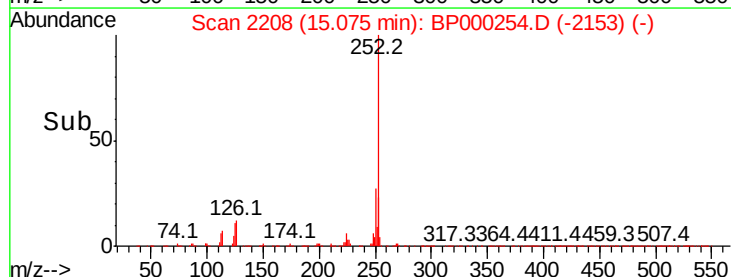
125 11.2 9.5 14.3

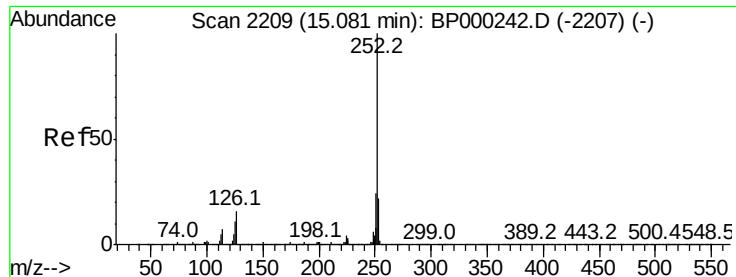


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 205.294 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

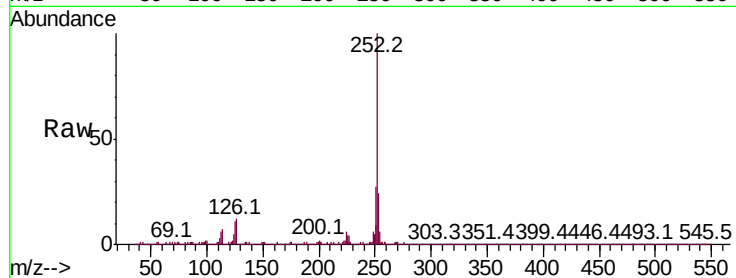
Tot Ion:252 Resp: 9673954

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

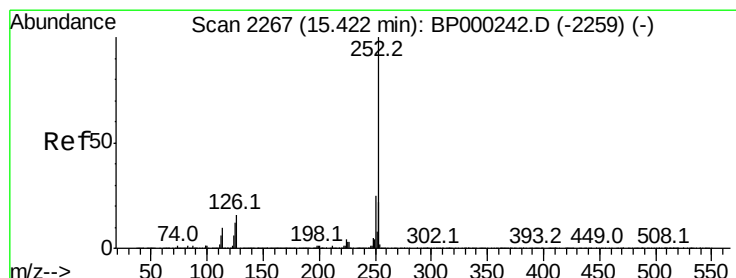
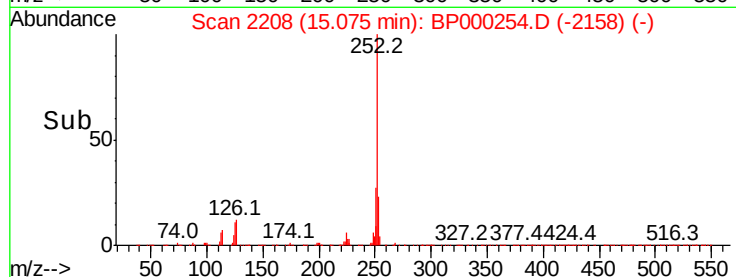
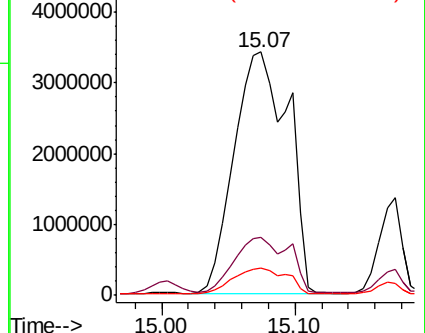
125 11.2 9.6 14.4



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



#90

Benzo(a)pyrene

Concen: 111.404 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.03 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

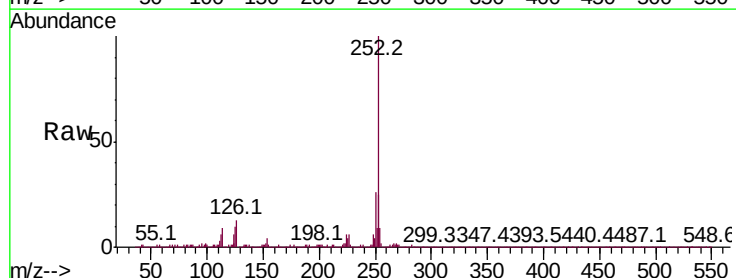
Tgt Ion:252 Resp: 5476073

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

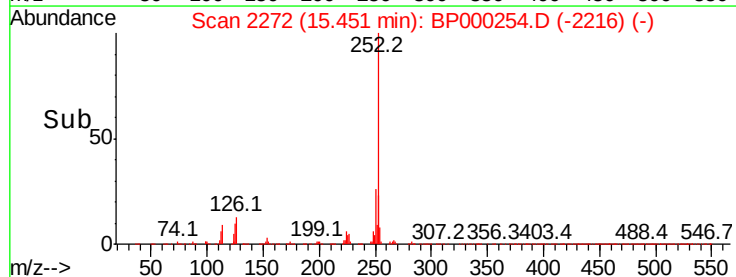
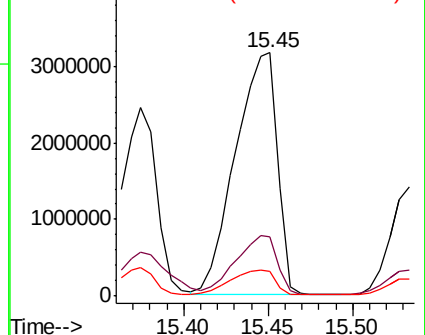
125 10.3 10.0 15.0

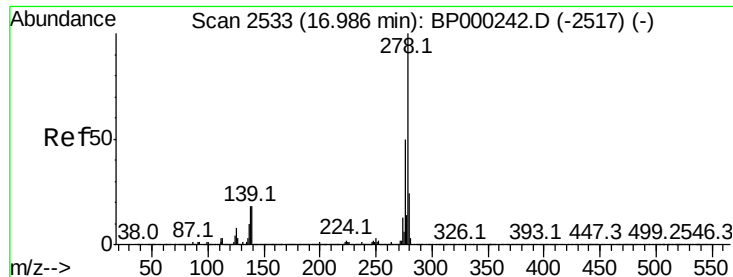


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 18.950 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.18 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

Instrument :

BNA_P

ClientSampleId :

TPA-9

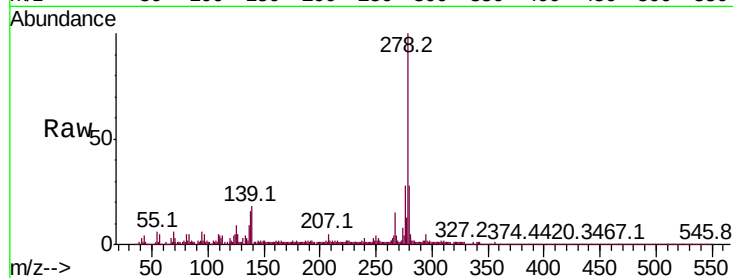
Tot Ion:278 Resp: 868444

Ion Ratio Lower Upper

278 100

139 18.0 14.5 21.7

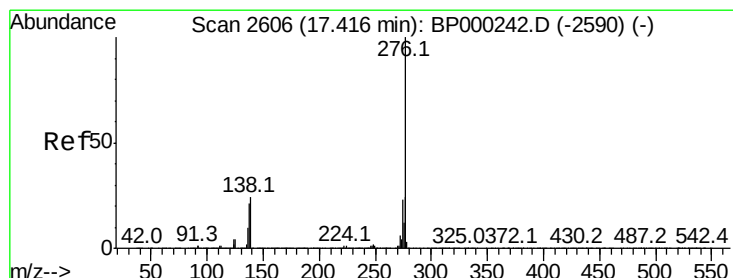
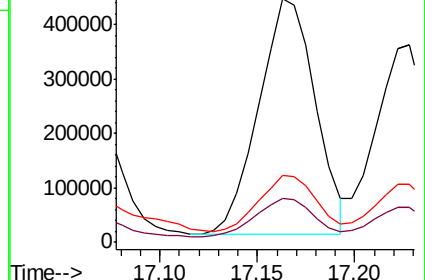
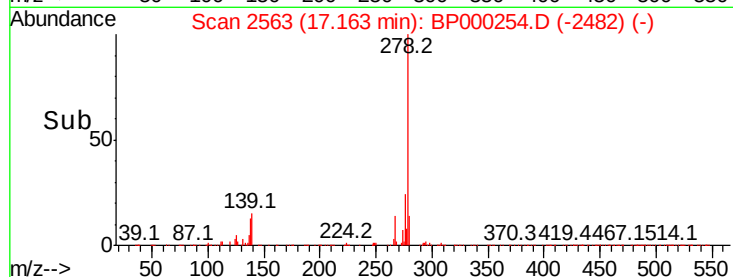
279 27.7 19.0 28.6



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(g,h,i)perylene

Concen: 79.694 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.04 min

Lab File: BP000254.D

Acq: 16 Sep 2019 22:25

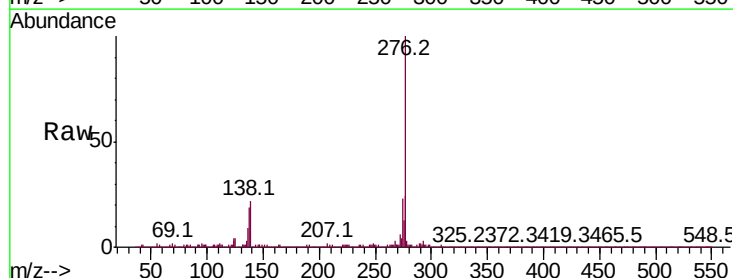
Tgt Ion:276 Resp: 3754114

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 22.1 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

