

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000312.D
 Acq On : 18 Sep 2019 21:15
 Operator : HP/JU
 Sample : K4918-11 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 04:22:36 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	280762	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1016818	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	530987	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	689957	20.00	ng	0.01
76) Chrysene-d12	14.02	240	577082	20.00	ng	0.02
87) Perylene-d12	15.51	264	773338	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	713775	43.89	ng	0.00
7) Phenol-d6	6.43	99	915656	45.93	ng	0.00
23) Nitrobenzene-d5	7.35	82	457384	29.02	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	239137	45.41	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1073289	36.38	ng	0.00
79) Terphenyl-d14	12.95	244	732387	26.62	ng	0.02

Target Compounds

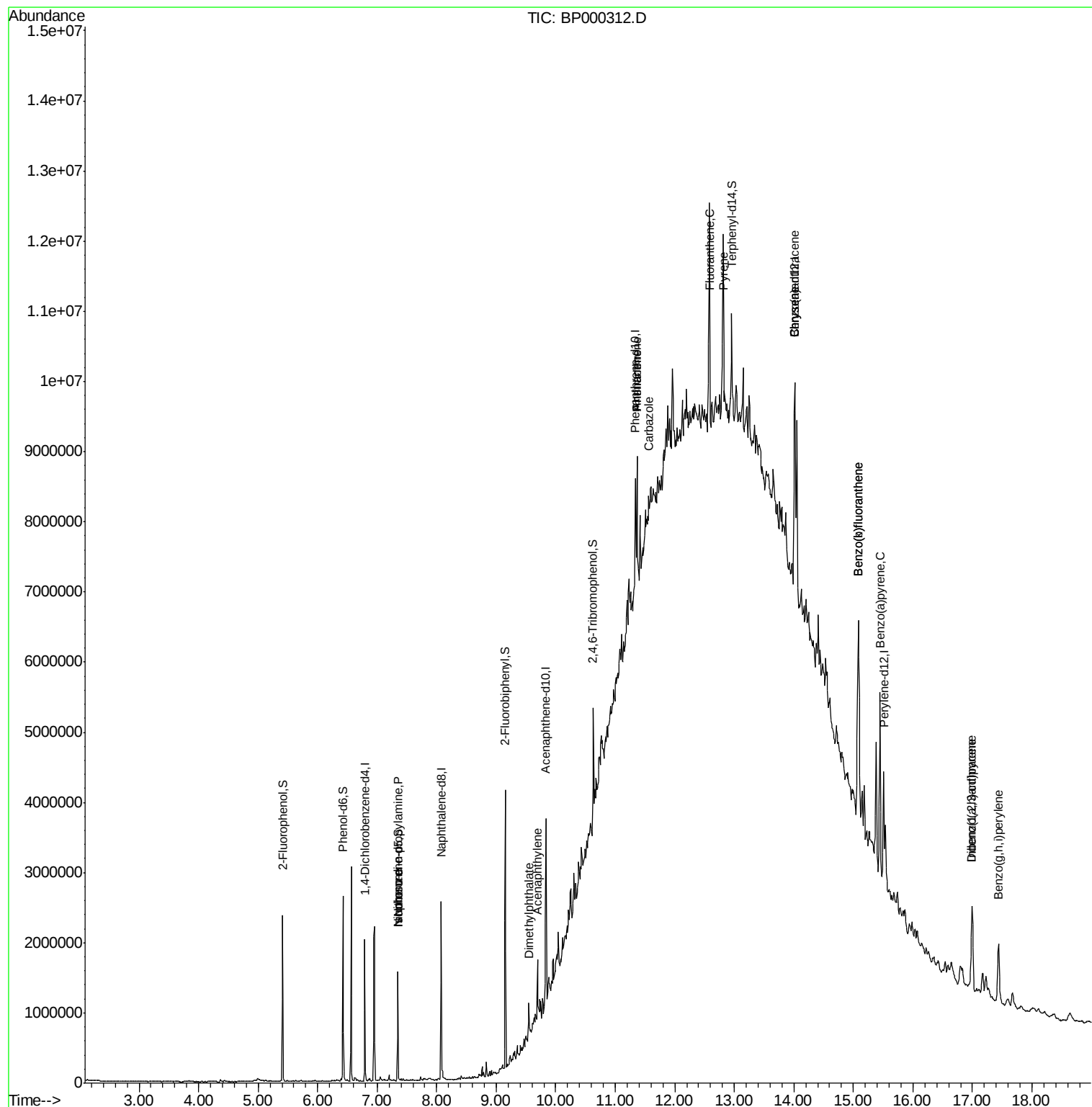
						Qvalue
9) Benzaldehyde	6.34	77	3714	Below Cal		96
19) n-Nitroso-di-n-propylamine	7.35	70	57725	5.477 ng	#	75
25) Isophorone	7.35	82	456485	14.628 ng	#	63
49) Acenaphthylene	9.69	152	348506	7.524 ng		99
50) Dimethylphthalate	9.55	163	144080	3.983 ng	#	97
71) Phenanthrene	11.36	178	873138	25.253 ng		96
72) Anthracene	11.36	178	873138	24.534 ng		95
73) Carbazole	11.57	167	98641	3.078 ng	#	76
75) Fluoranthene	12.58	202	1933260	52.072 ng		92
78) Pyrene	12.82	202	1815877	42.058 ng		97
81) Benzo(a)anthracene	14.01	228	1288764	35.354 ng		93
83) Chrysene	14.01	228	1288764	36.008 ng		97
86) Indeno(1,2,3-cd)pyrene	16.99	276	838241	19.214 ng	#	91
88) Benzo(b)fluoranthene	15.08	252	2557534	55.436 ng		97
89) Benzo(k)fluoranthene	15.08	252	2557534	63.552 ng		97
90) Benzo(a)pyrene	15.45	252	1357426	32.336 ng		96
91) Dibenzo(a,h)anthracene	17.00	278	236779	6.050 ng	#	91
92) Benzo(g,h,i)perylene	17.44	276	677742	16.847 ng		96

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

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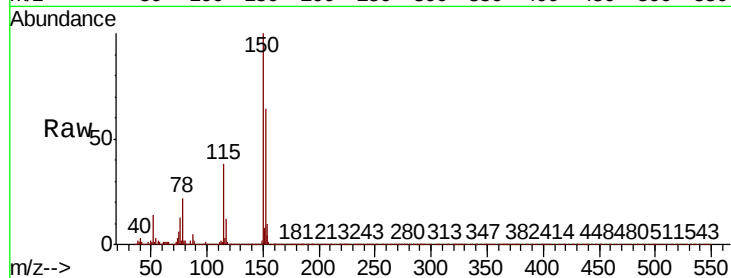


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.2	187.8
115	59.9	49.7	74.5

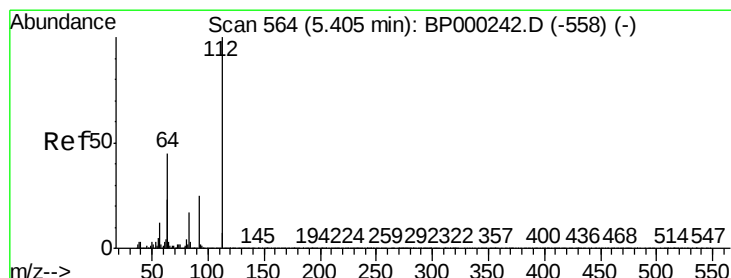
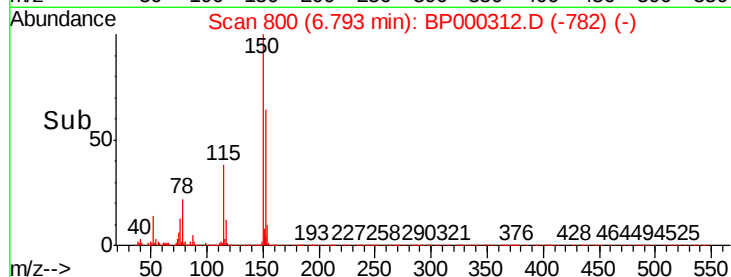
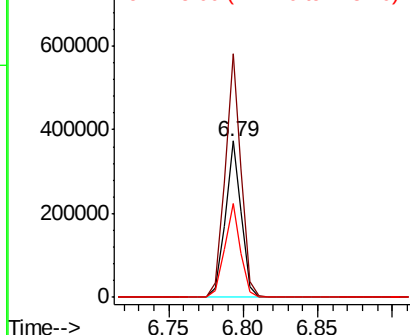


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

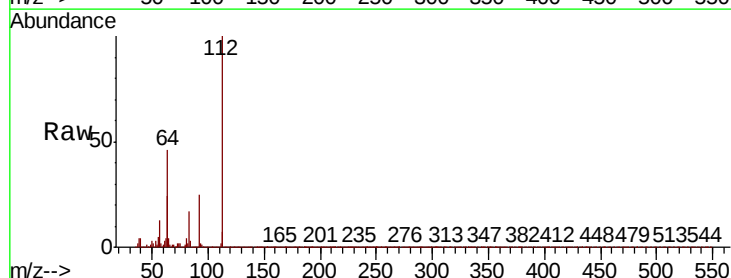
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 43.889 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	36.2	54.4
63	23.6	18.3	27.5

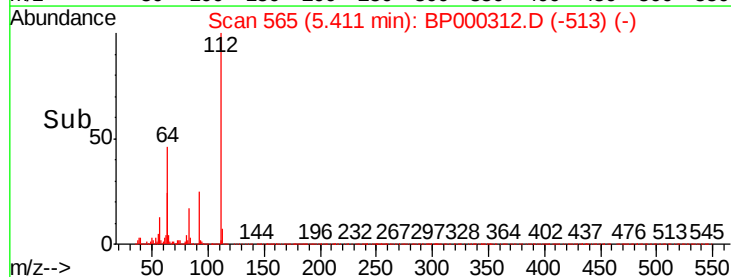
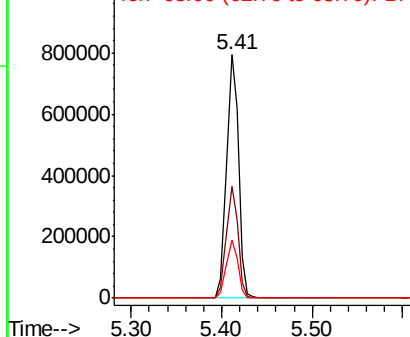


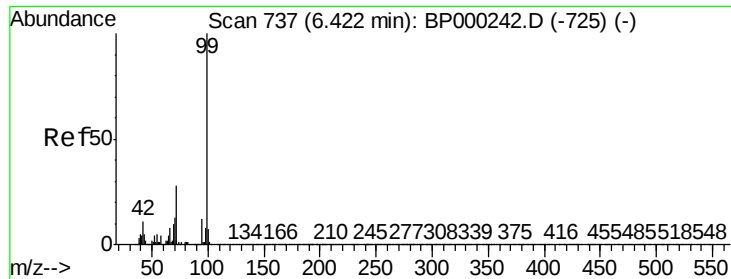
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 45.931 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

ClientSampled :

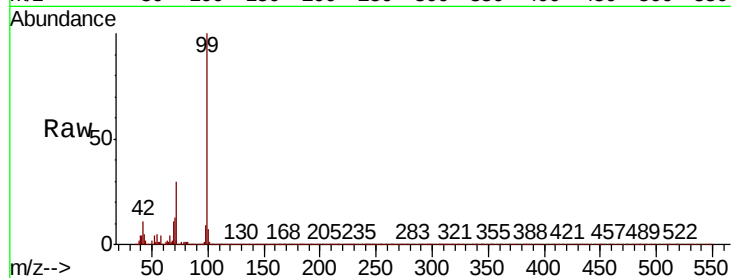
Tot Ion: 99 Resp: 915656

Ion Ratio Lower Upper

99 100

42 10.6 8.5 12.7

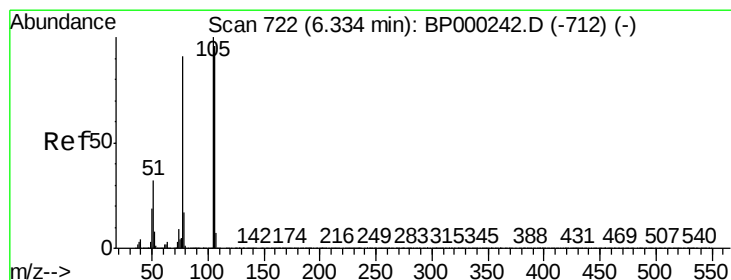
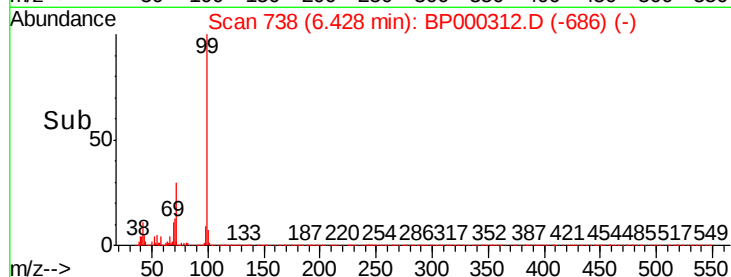
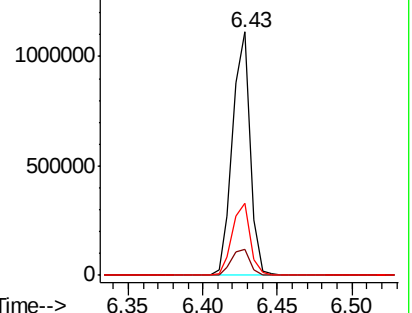
71 29.8 22.6 34.0



Abundance Ion 99.00 (98.70 to 99.70): BP0

1500000 Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

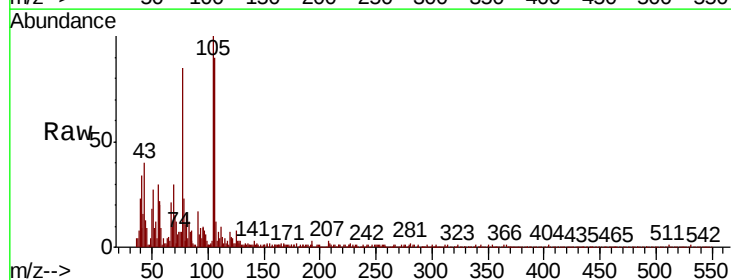
Tgt Ion: 77 Resp: 3714

Ion Ratio Lower Upper

77 100

105 117.3 89.6 129.6

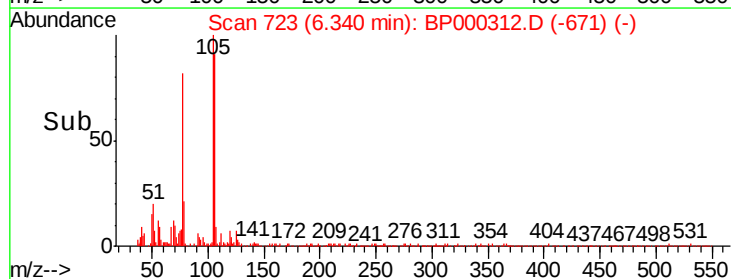
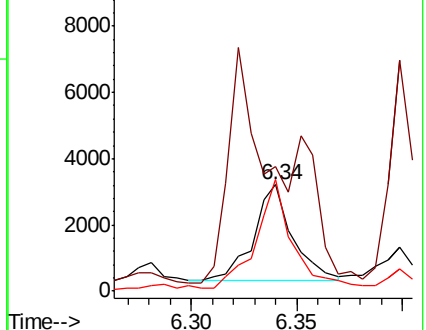
106 105.3 84.6 124.6

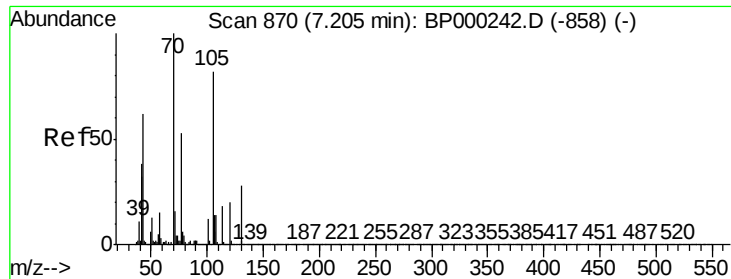


Abundance Ion 77.00 (76.70 to 77.70): BP0

10000 Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

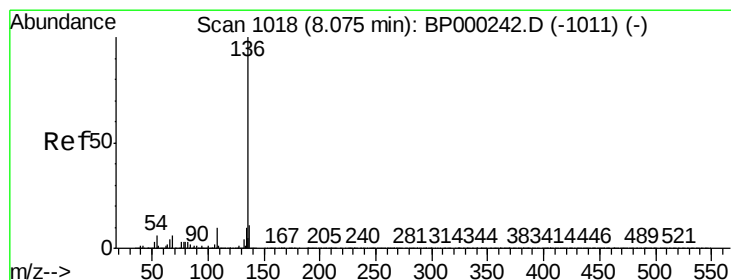
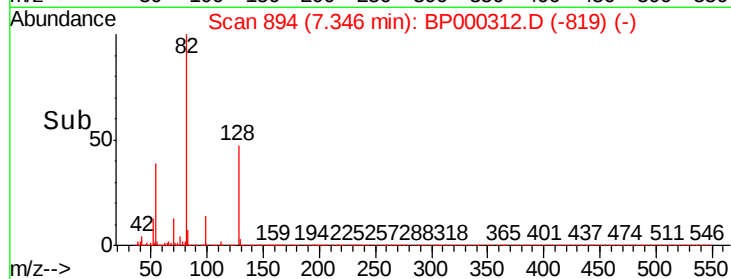
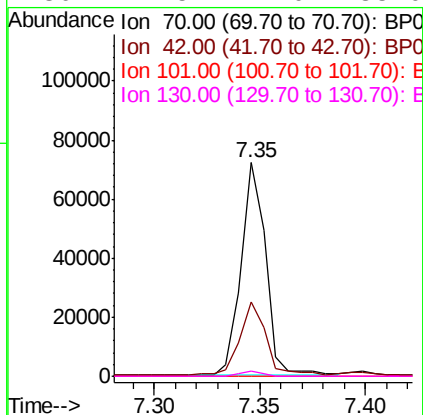
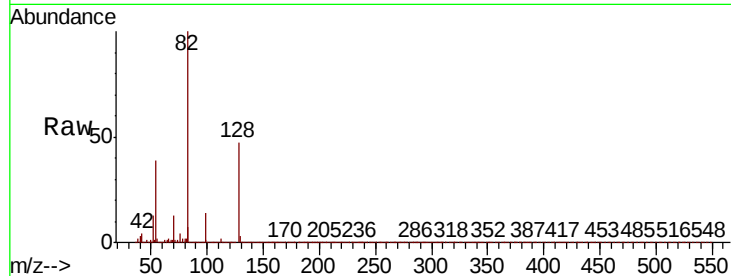




#19
n-Nitroso-di-n-propylamine
Concen: 5.477 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

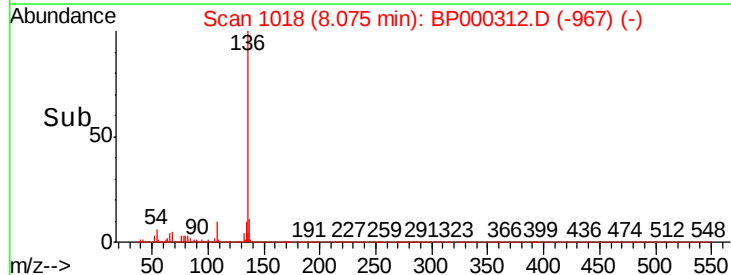
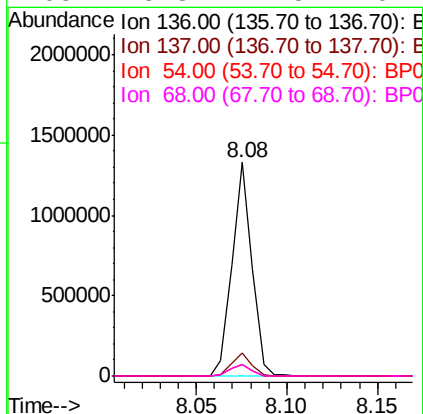
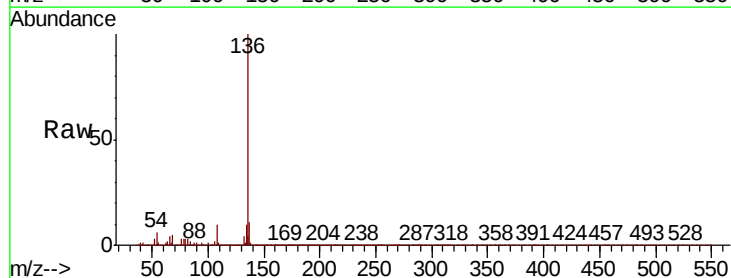
Instrument :
BNA_P
ClientSampleId :

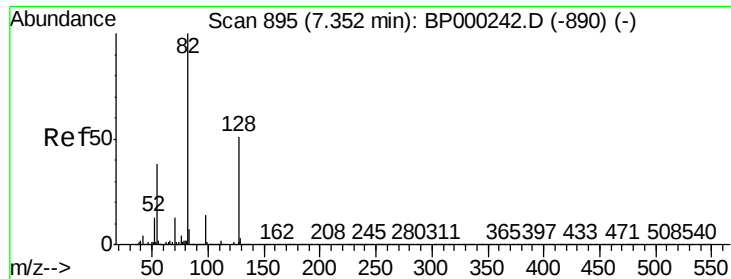
Tot Ion: 70 Resp: 57725
Ion Ratio Lower Upper
70 100
42 34.6 30.7 46.1
101 0.1 9.6 14.4#
130 2.5 22.0 33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion: 136 Resp: 1016818
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 5.6 4.5 6.7
68 5.3 4.5 6.7

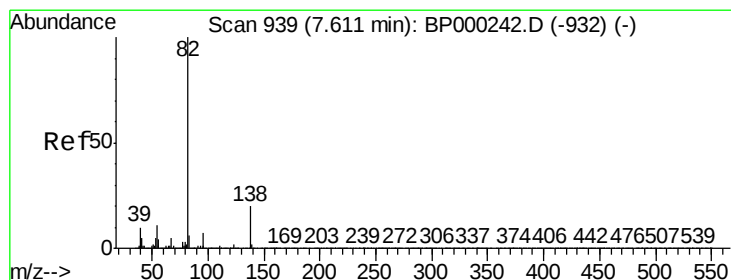
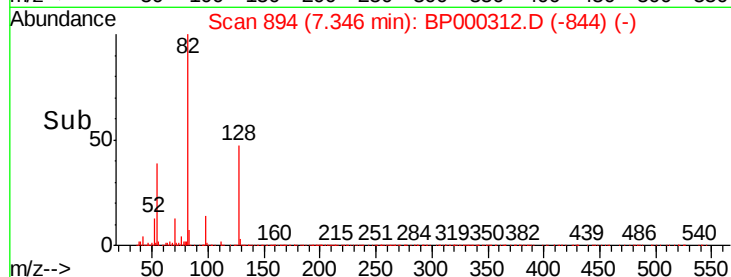
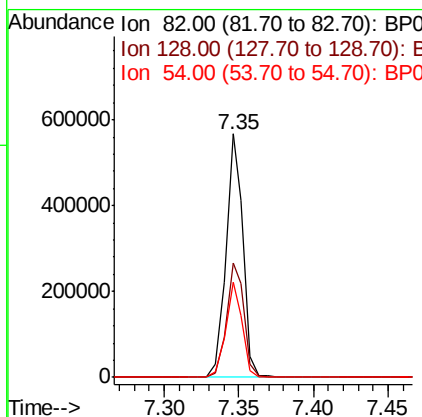
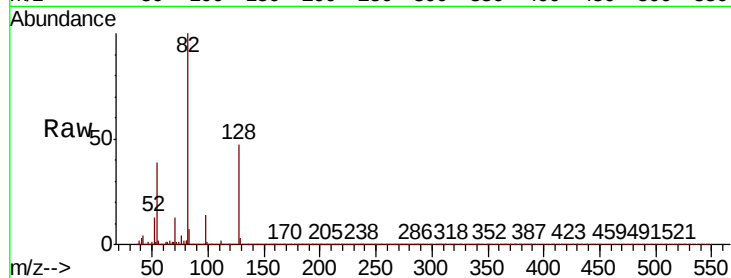




#23
 Nitrobenzene-d5
 Concen: 29.022 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000312.D
 Acq: 18 Sep 2019 21:15

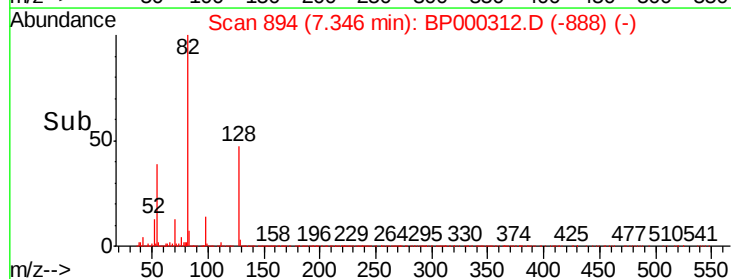
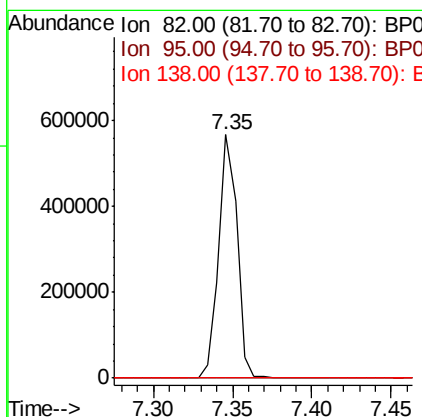
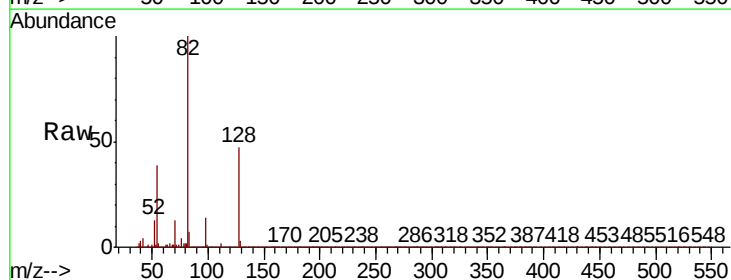
Instrument :
 BNA_P
 ClientSampleId :

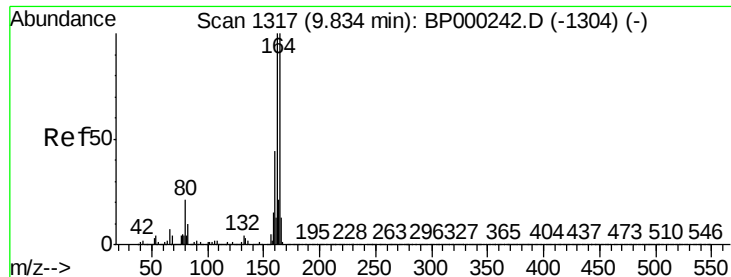
Tot Ion	82	Resp	457384
Ion Ratio	Lower	Upper	
82	100		
128	46.9	40.7	61.1
54	39.1	30.1	45.1



#25
 Isophorone
 Concen: 14.628 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BP000312.D
 Acq: 18 Sep 2019 21:15

Tgt Ion	82	Resp	456485
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.9	8.9#
138	0.0	15.9	23.9#

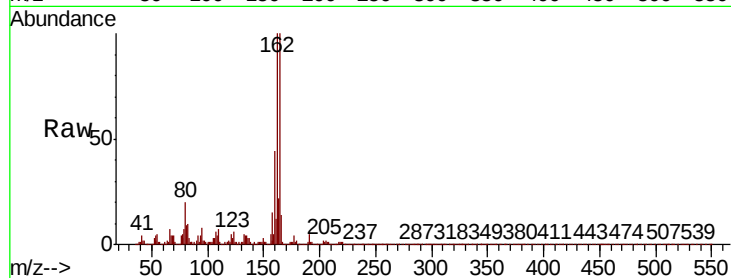




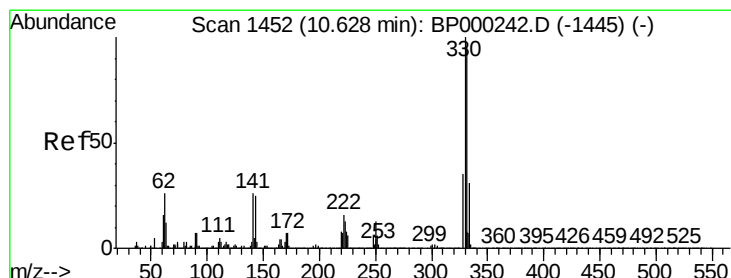
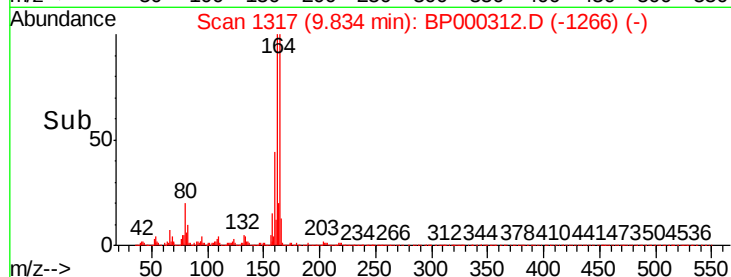
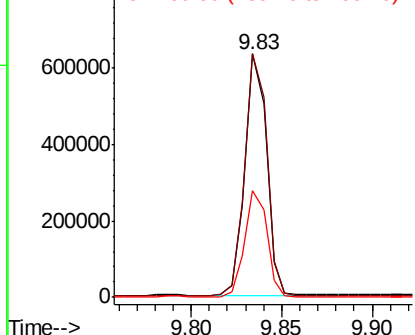
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.9	119.9
160	44.0	35.6	53.4

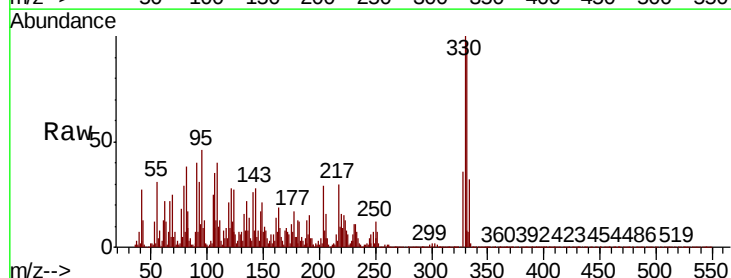


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

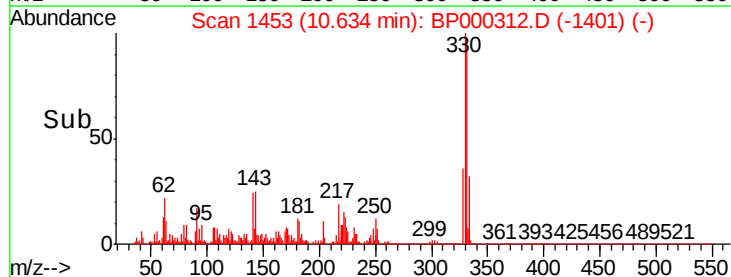
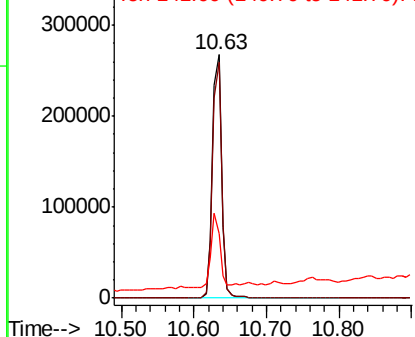


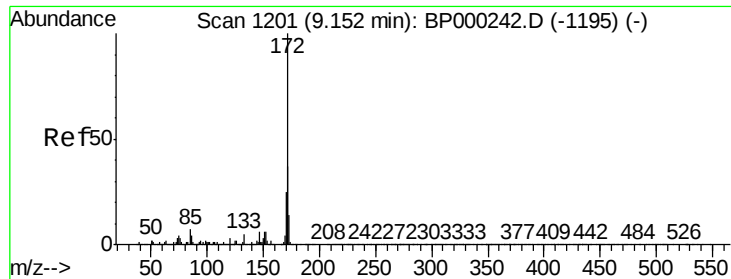
#42
2,4,6-Tribromophenol
Concen: 45.406 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	28.4	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

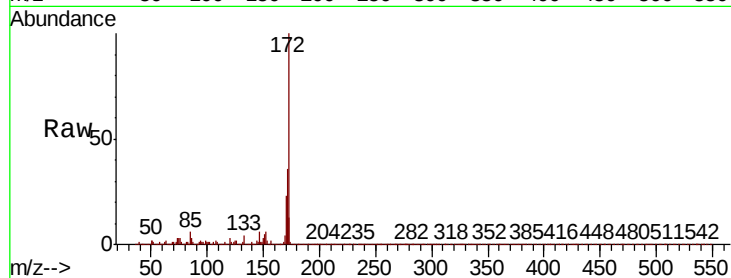




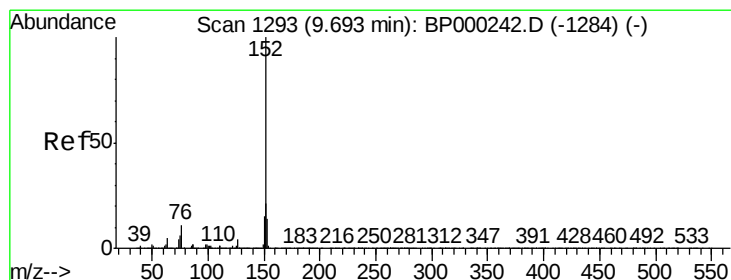
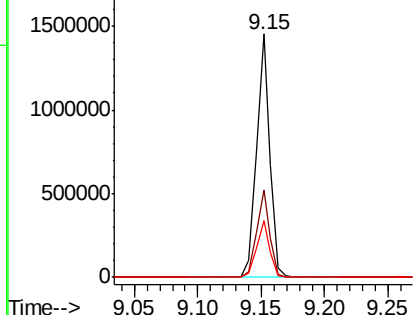
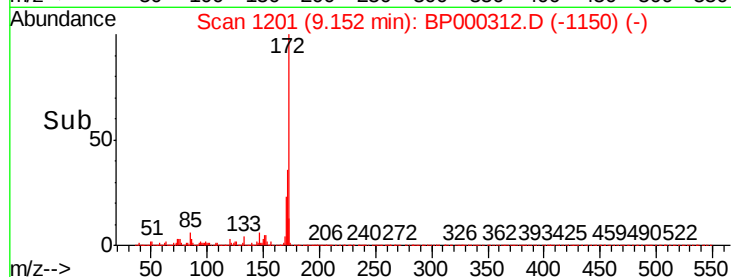
#45
2-Fluorobiphenyl
Concen: 36.380 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :

Tot Ion:172 Resp: 1073289
Ion Ratio Lower Upper
172 100
171 36.0 29.8 44.6
170 23.3 19.8 29.6

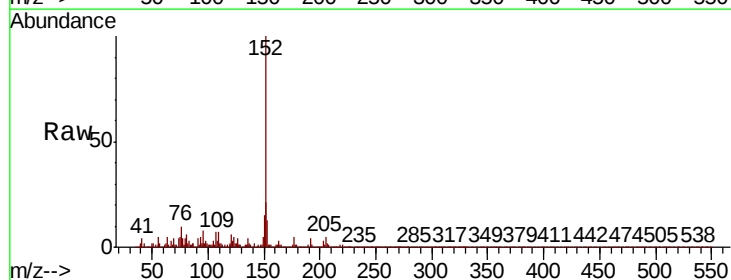


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

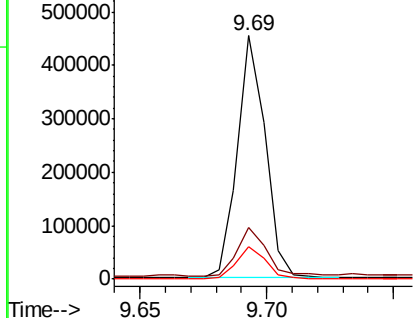
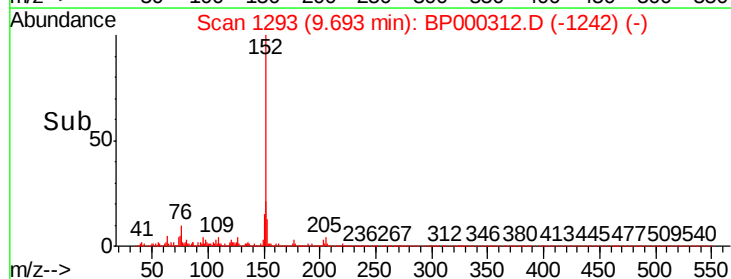


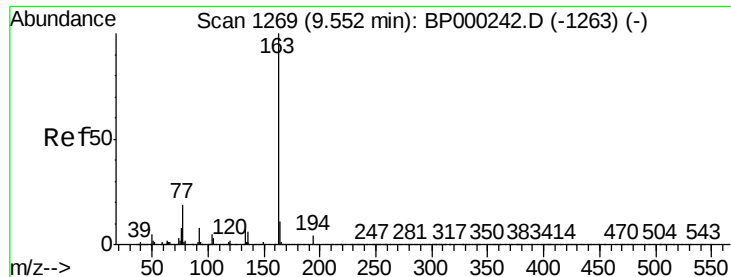
#49
Acenaphthylene
Concen: 7.524 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion:152 Resp: 348506
Ion Ratio Lower Upper
152 100
151 21.2 16.4 24.6
153 13.2 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E
600000 Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

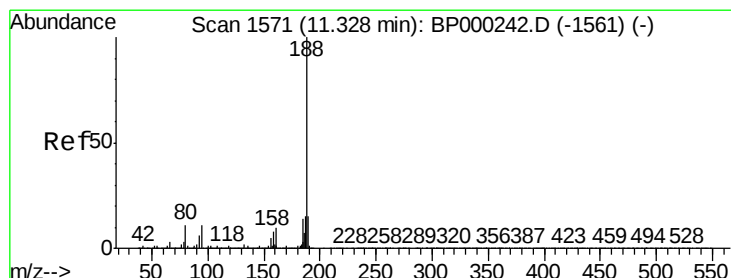
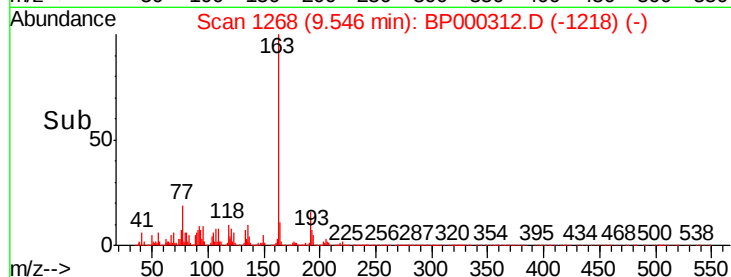
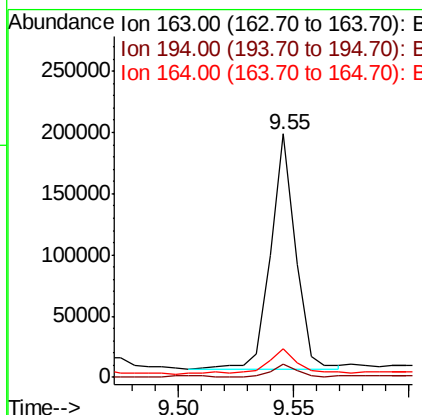
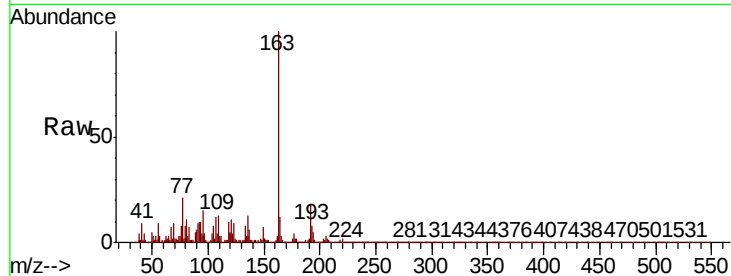




#50
Dimethylphthalate
Concen: 3.983 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

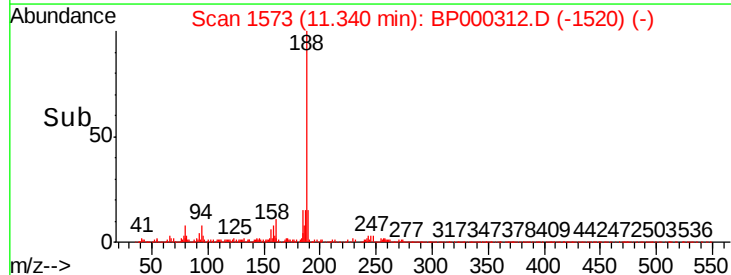
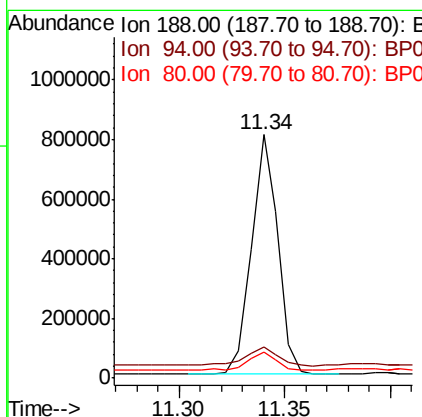
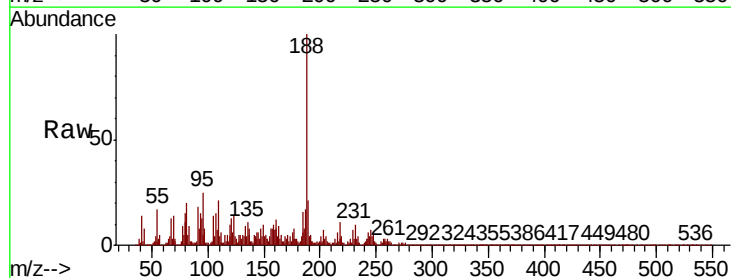
Instrument :
BNA_P
ClientSampleId :

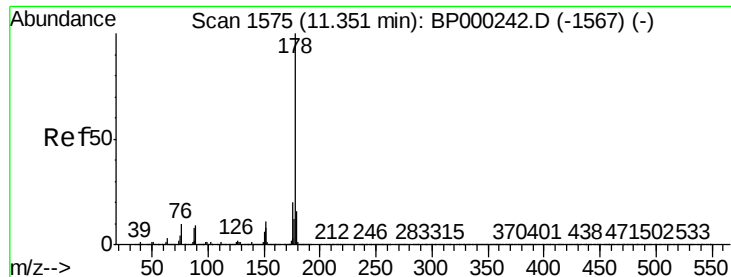
Tot Ion:163 Resp: 144080
Ion Ratio Lower Upper
163 100
194 5.3 3.4 5.0#
164 11.7 8.5 12.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion:188 Resp: 689957
Ion Ratio Lower Upper
188 100
94 12.6 8.5 12.7
80 10.8 8.6 13.0





#71

Phenanthrene

Concen: 25.253 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

ClientSampleId :

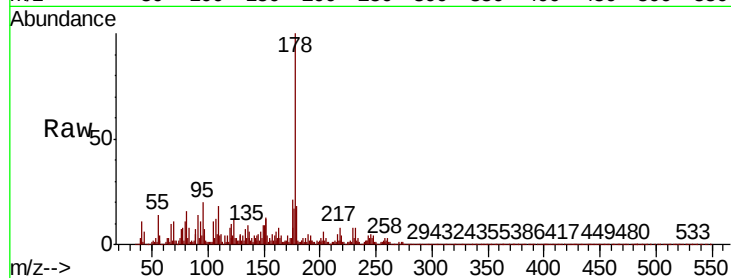
Tot Ion:178 Resp: 873138

Ion Ratio Lower Upper

178 100

176 21.2 15.8 23.8

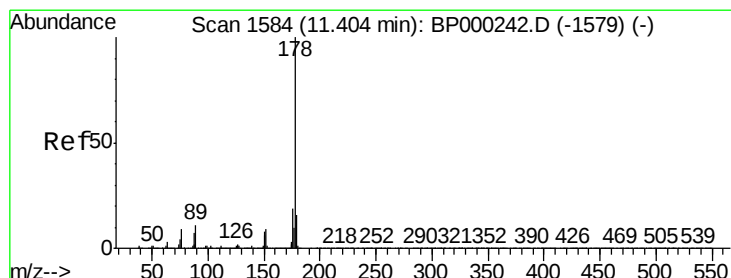
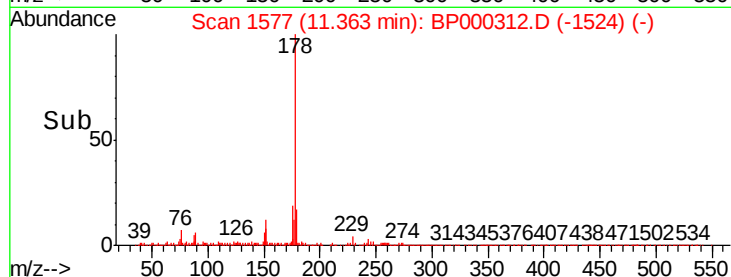
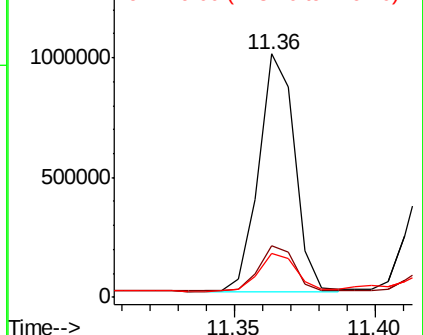
179 18.1 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 24.534 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.04 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

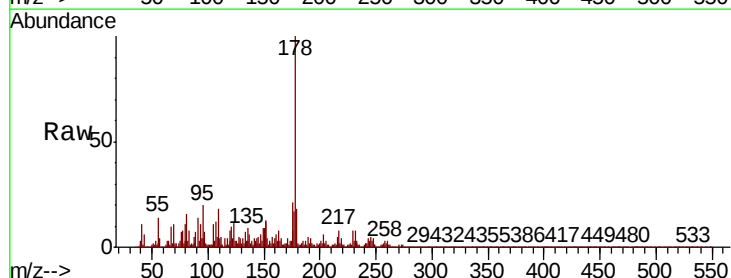
Tgt Ion:178 Resp: 873138

Ion Ratio Lower Upper

178 100

176 21.2 15.4 23.0

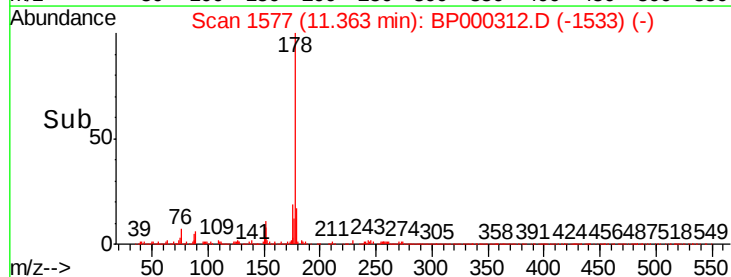
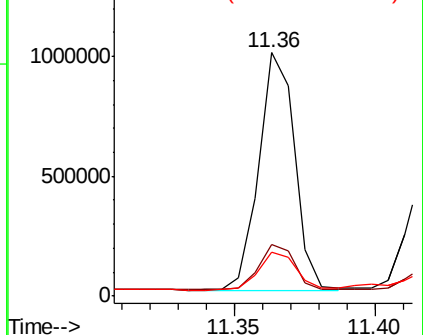
179 18.1 12.7 19.1

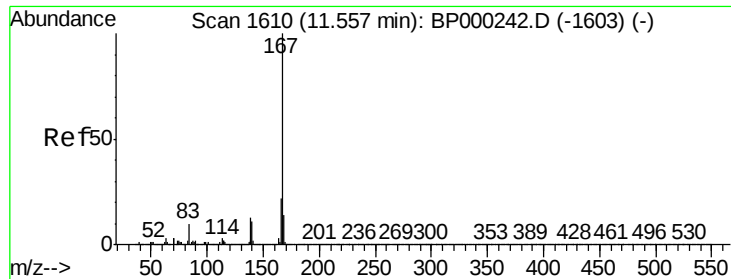


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

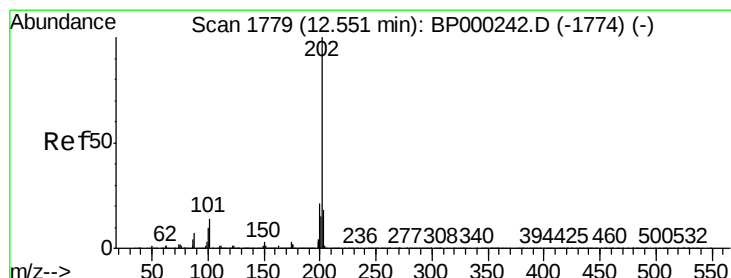
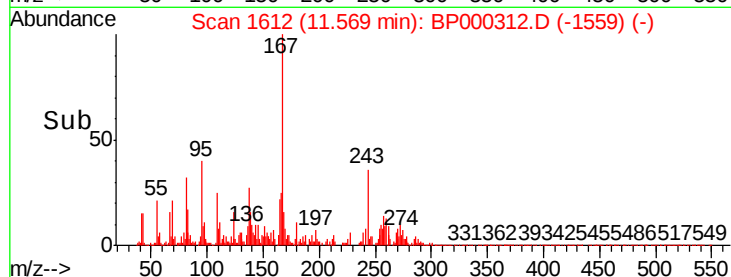
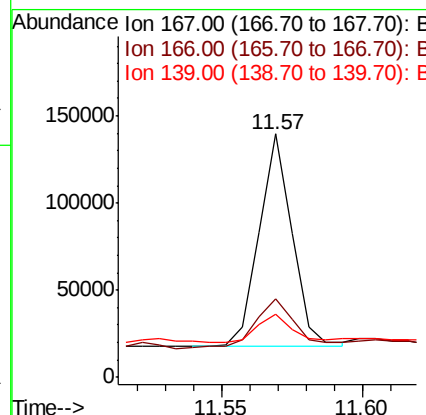
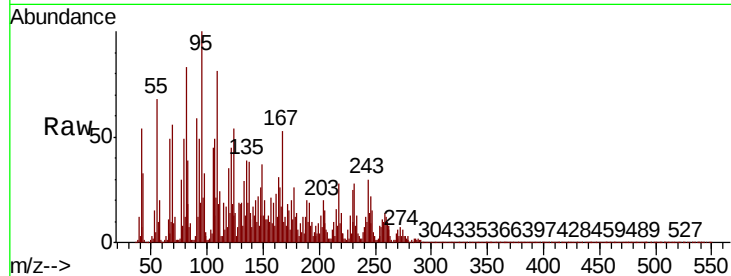




#73
 Carbazole
 Concen: 3.078 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.01 min
 Lab File: BP000312.D
 Acq: 18 Sep 2019 21:15

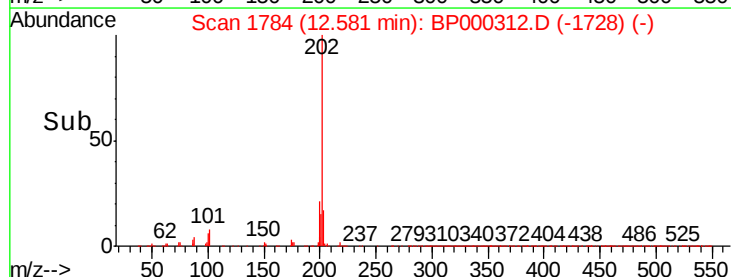
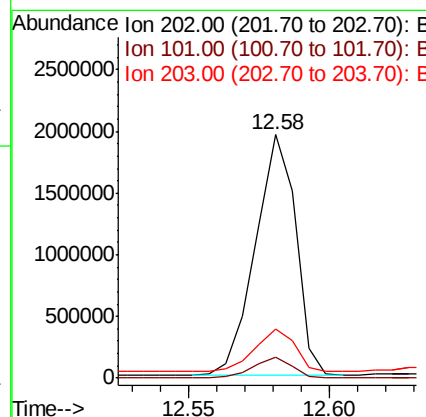
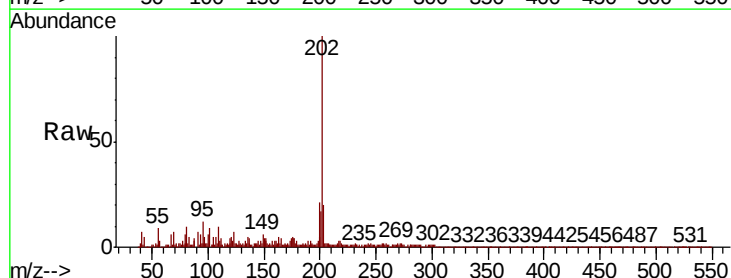
Instrument :
 BNA_P
 ClientSampleId :

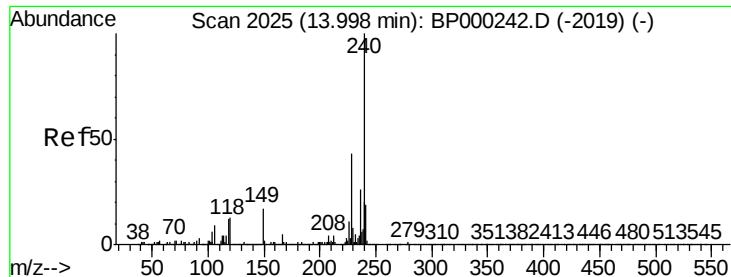
Tot Ion	Ratio	Lower	Upper
167	100		
166	32.1	17.8	26.8#
139	25.7	10.8	16.2#



#75
 Fluoranthene
 Concen: 52.072 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.03 min
 Lab File: BP000312.D
 Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	33.9
203	19.9	0.0	38.0

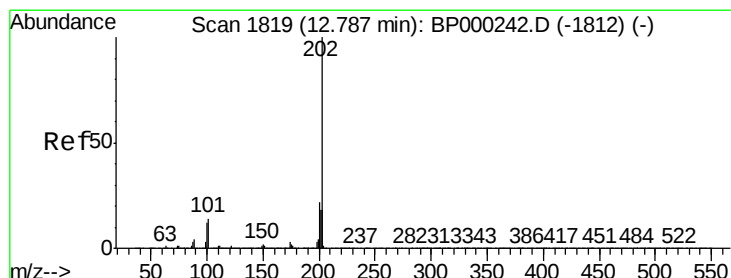
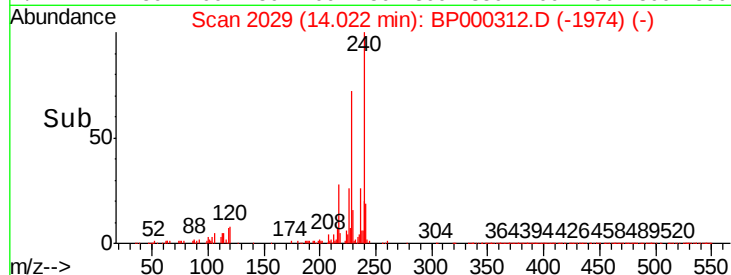
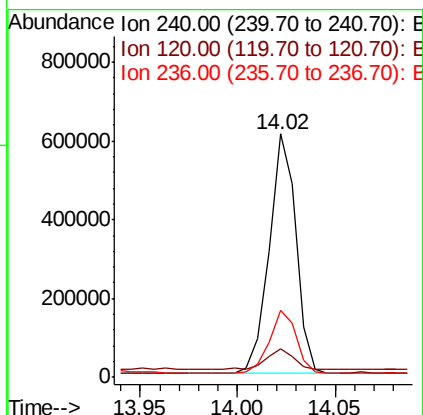
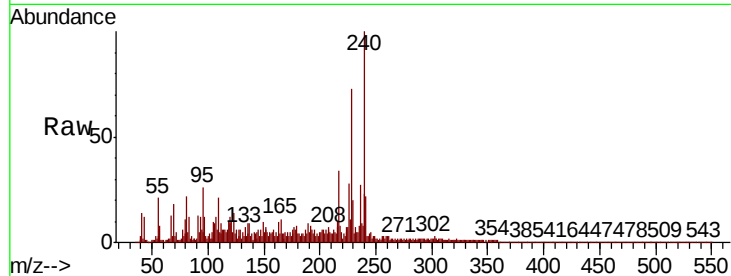




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

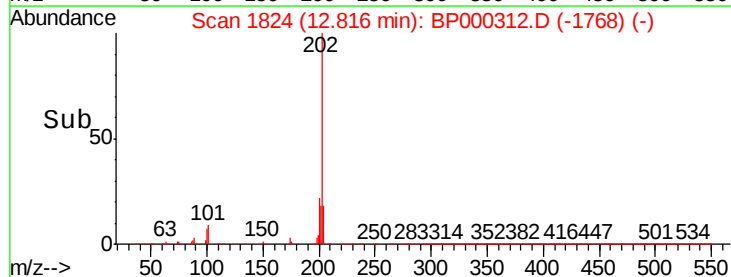
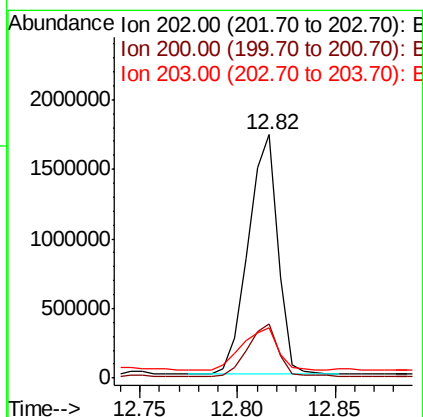
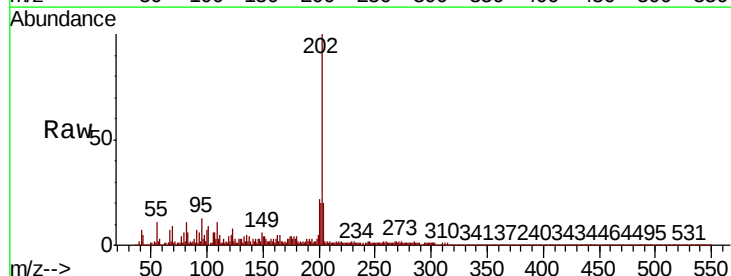
Instrument :
BNA_P
ClientSampleId :

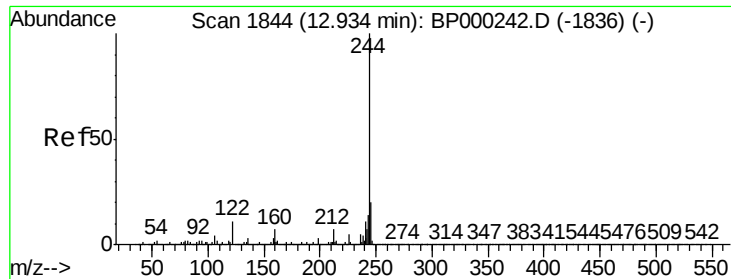
Tot Ion:240 Resp: 577082
Ion Ratio Lower Upper
240 100
120 11.9 10.4 15.6
236 27.3 21.0 31.6



#78
Pyrene
Concen: 42.058 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.03 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion:202 Resp: 1815877
Ion Ratio Lower Upper
202 100
200 22.2 17.5 26.3
203 20.4 14.3 21.5





#79

Terphenyl-d14

Concen: 26.624 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.02 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

ClientSampled :

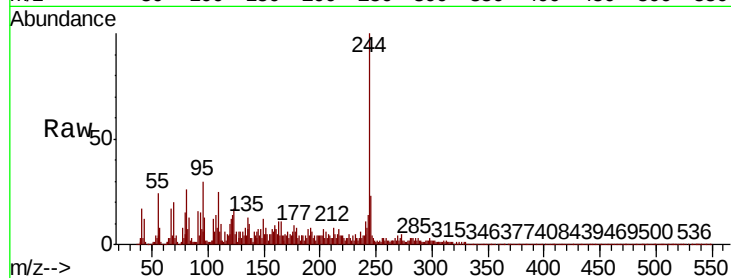
Tot Ion:244 Resp: 732387

Ion Ratio Lower Upper

244 100

212 8.3 5.9 8.9

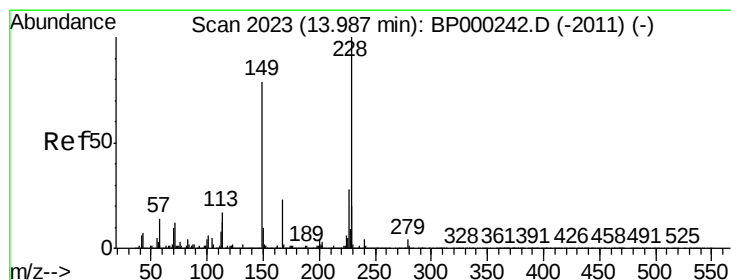
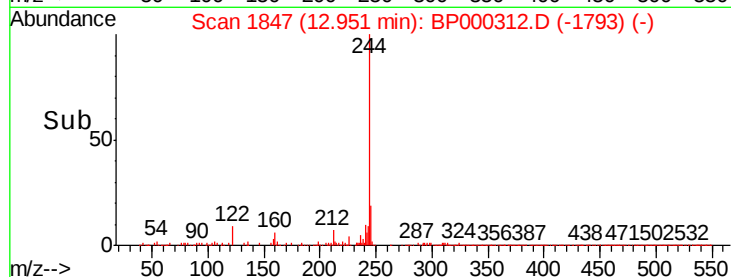
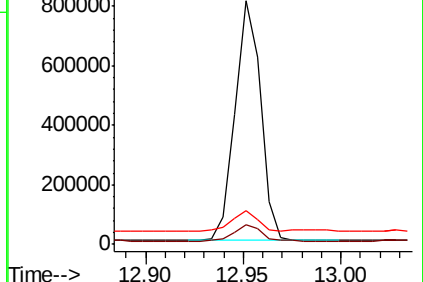
122 13.8 9.0 13.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 35.354 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

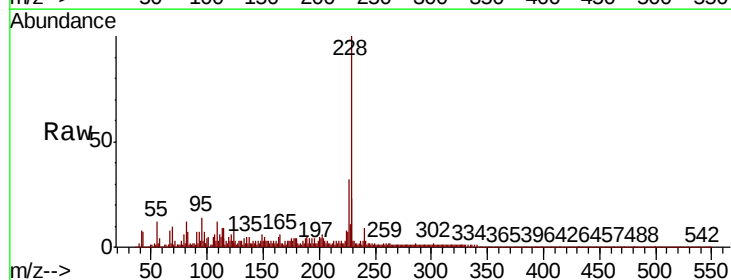
Tgt Ion:228 Resp: 1288764

Ion Ratio Lower Upper

228 100

226 32.2 22.2 33.4

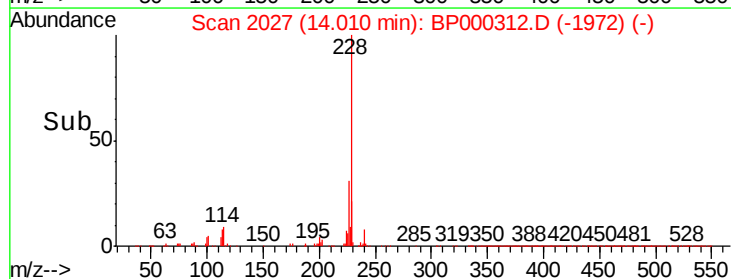
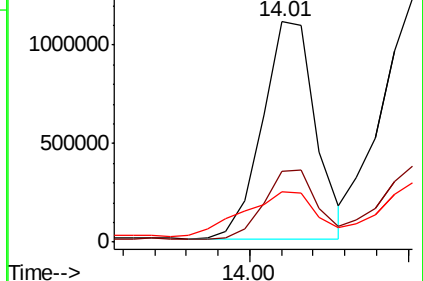
229 22.8 16.0 24.0

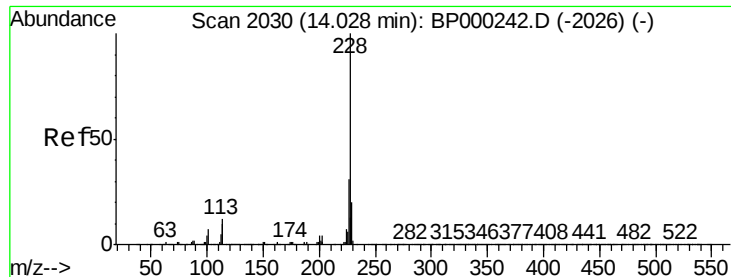


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

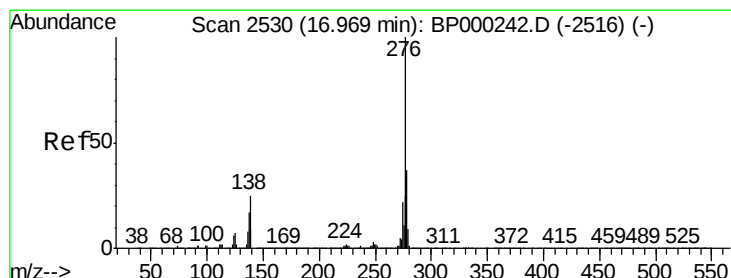
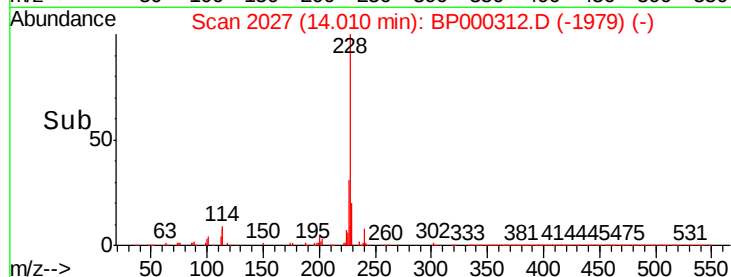
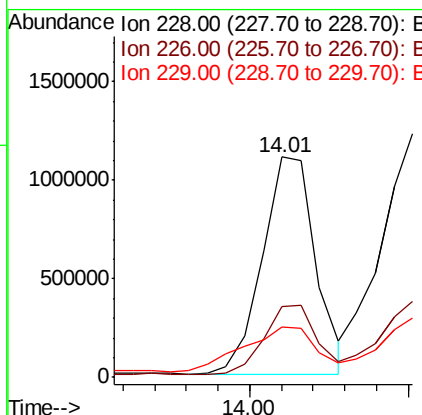
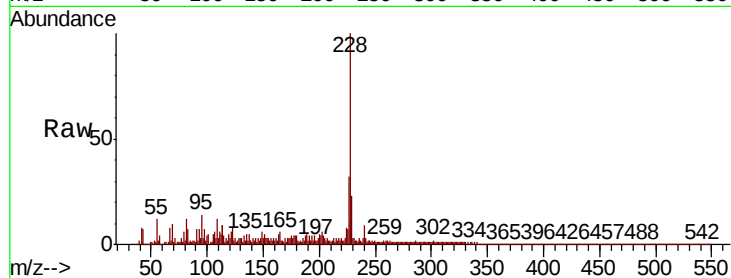




#83
Chrysene
Concen: 36.008 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

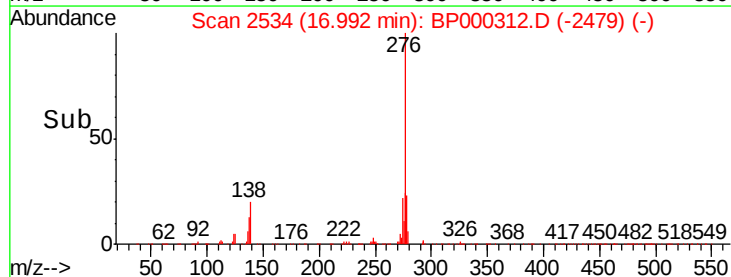
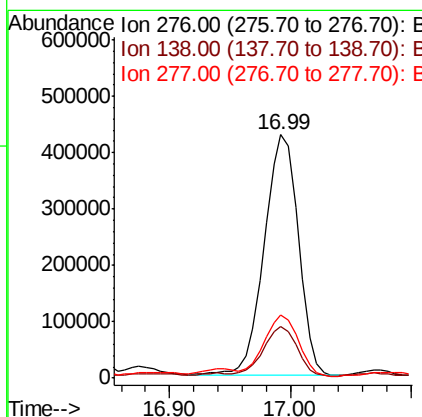
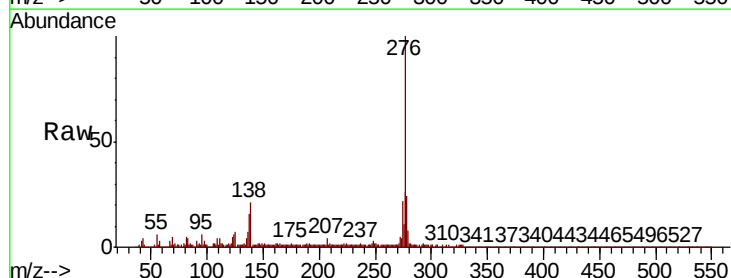
Instrument :
BNA_P
ClientSampleId :

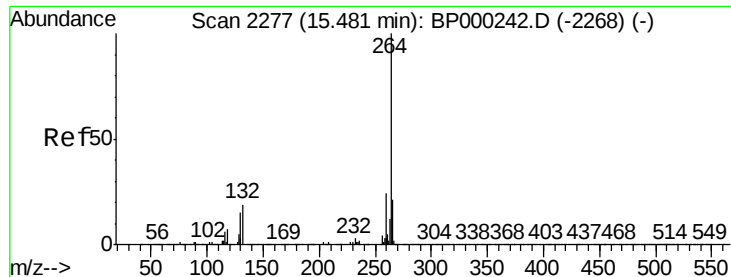
Tot Ion:228 Resp: 1288764
Ion Ratio Lower Upper
228 100
226 32.2 24.9 37.3
229 22.8 16.2 24.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 19.214 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion:276 Resp: 838241
Ion Ratio Lower Upper
276 100
138 20.2 22.6 33.8#
277 24.9 20.4 30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.03 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

ClientSampleId :

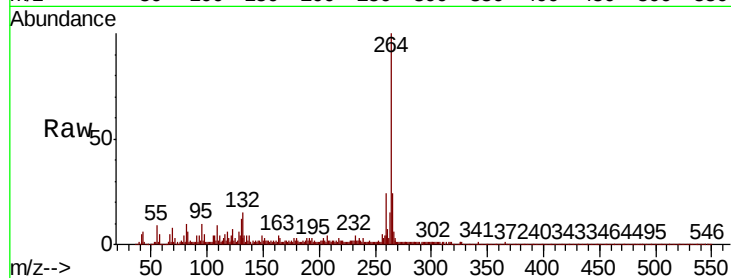
Tot Ion:264 Resp: 773338

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 24.0 17.2 25.8

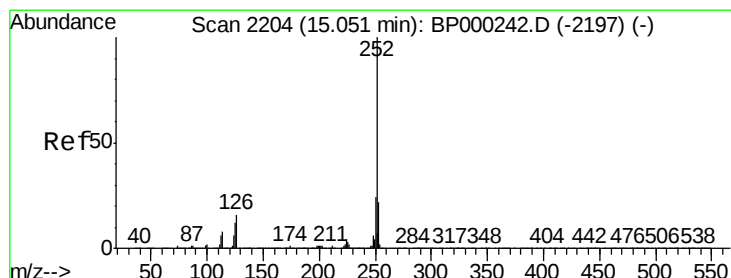
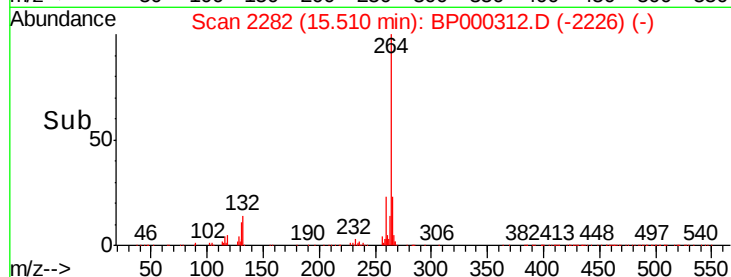
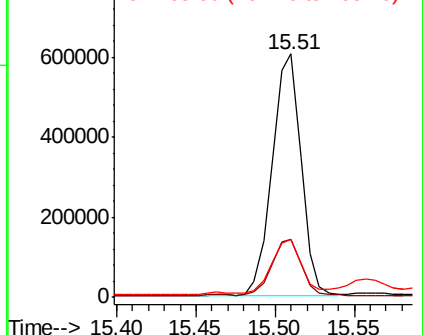


Abundance

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: 55.436 ng

RT: 15.08 min Scan# 2209

Delta R.T. 0.03 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

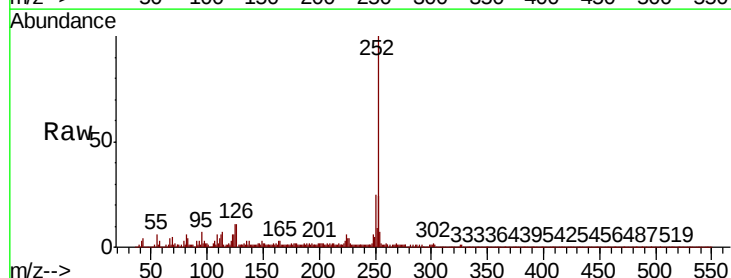
Tgt Ion:252 Resp: 2557534

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 11.0 9.5 14.3

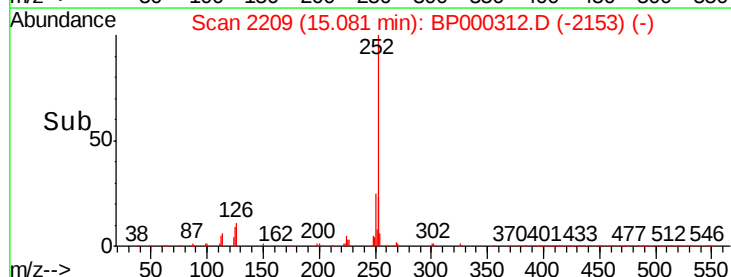
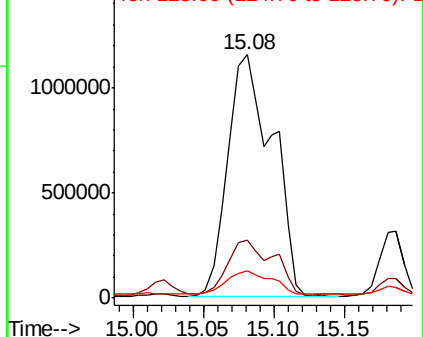


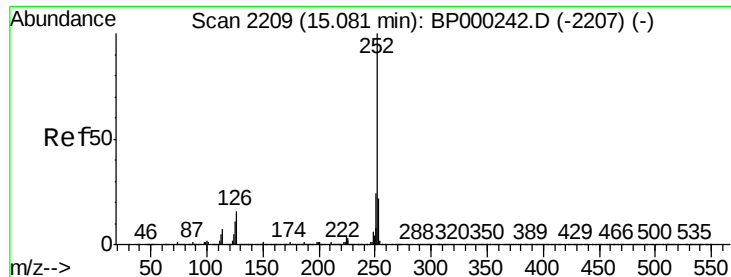
Abundance

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

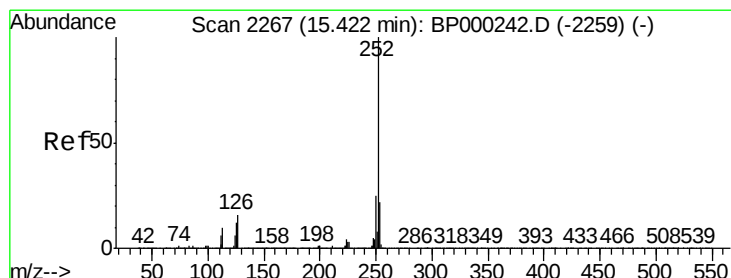
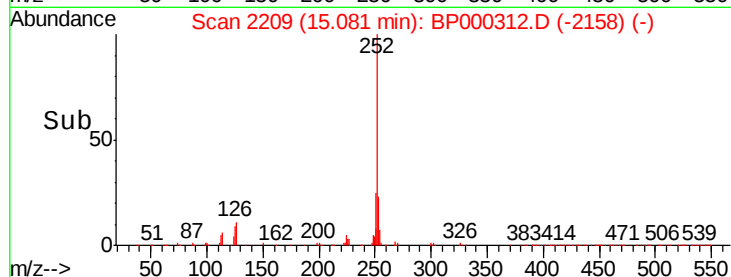
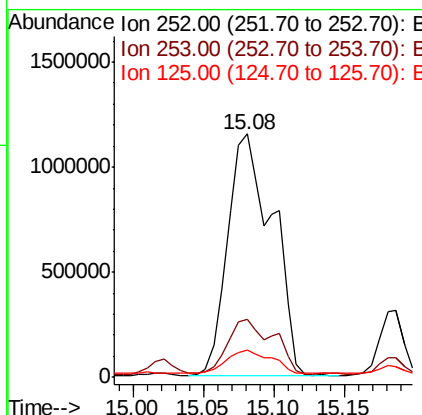
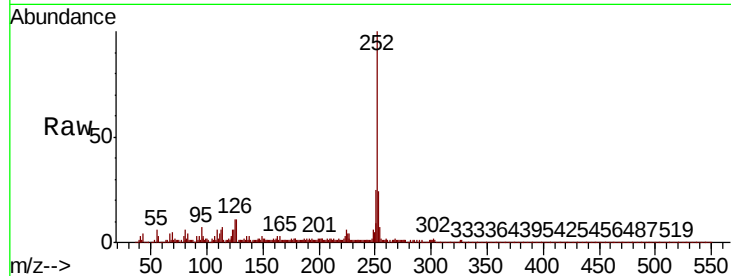




#89
Benzo(k)fluoranthene
Concen: 63.552 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

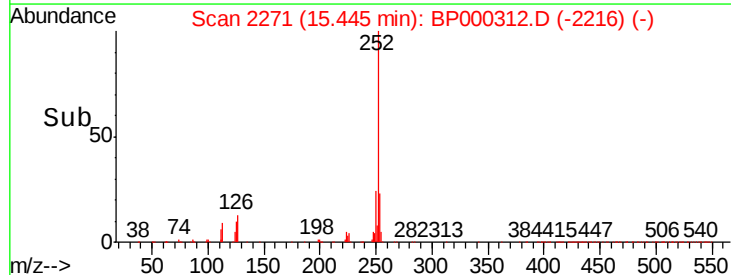
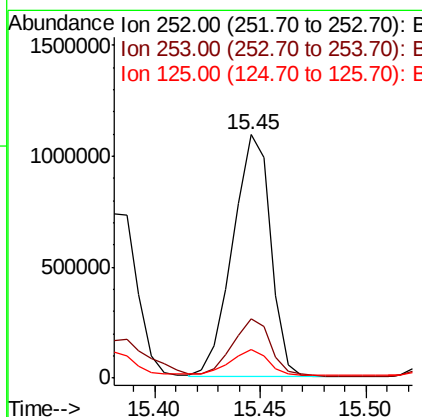
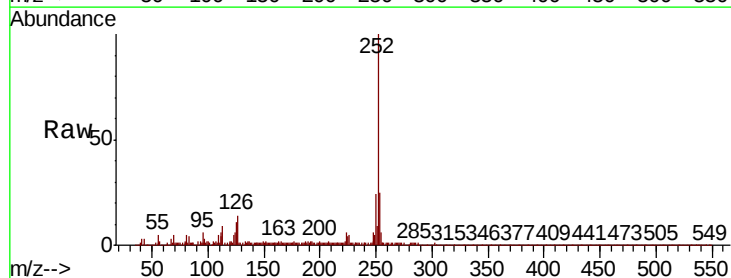
Instrument :
BNA_P
ClientSampleId :

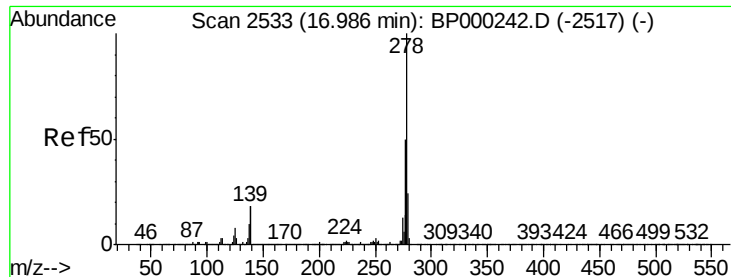
Tot Ion:252 Resp: 2557534
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.0 9.6 14.4



#90
Benzo(a)pyrene
Concen: 32.336 ng
RT: 15.45 min Scan# 2271
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion:252 Resp: 1357426
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 11.5 10.0 15.0





#91

Dibenzo(a,h)anthracene

Concen: 6.050 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

ClientSampleId :

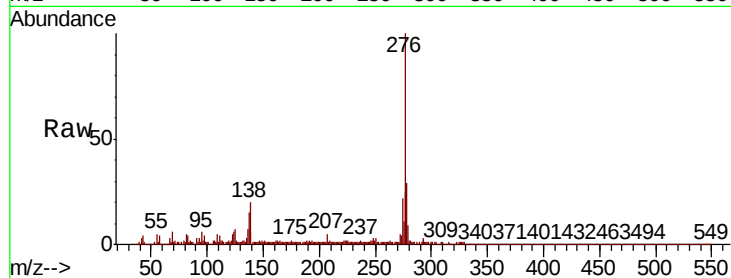
Tot Ion:278 Resp: 236779

Ion Ratio Lower Upper

278 100

139 19.2 14.5 21.7

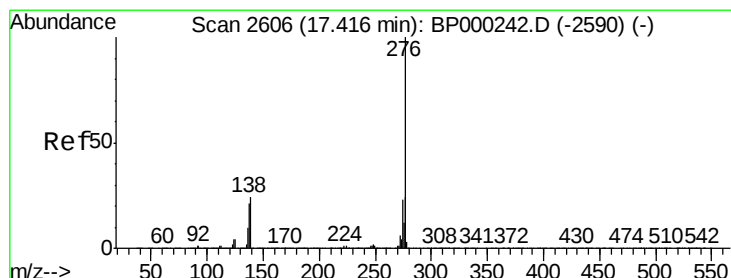
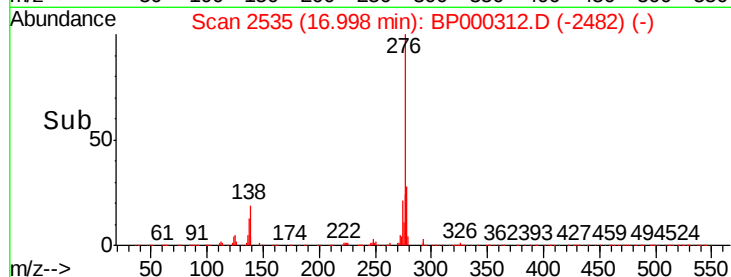
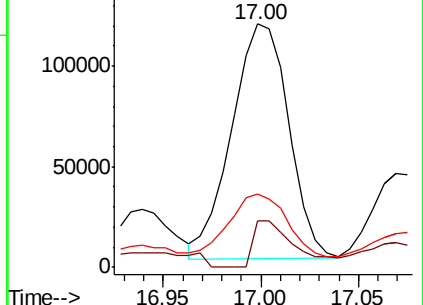
279 30.3 19.0 28.6#



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: 16.847 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.02 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

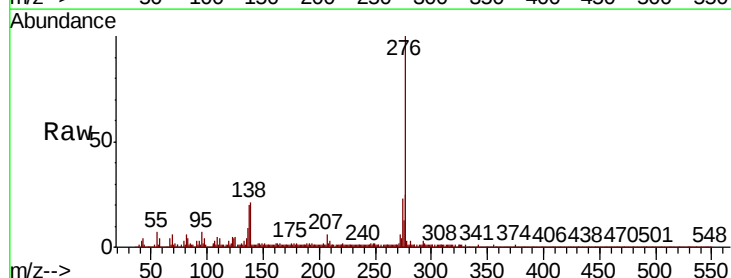
Tgt Ion:276 Resp: 677742

Ion Ratio Lower Upper

276 100

277 24.8 19.1 28.7

138 21.2 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

