

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
 Data File : BP000553.D
 Acq On : 07 Oct 2019 19:20
 Operator : JU
 Sample : K5213-06 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 08 07:02:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

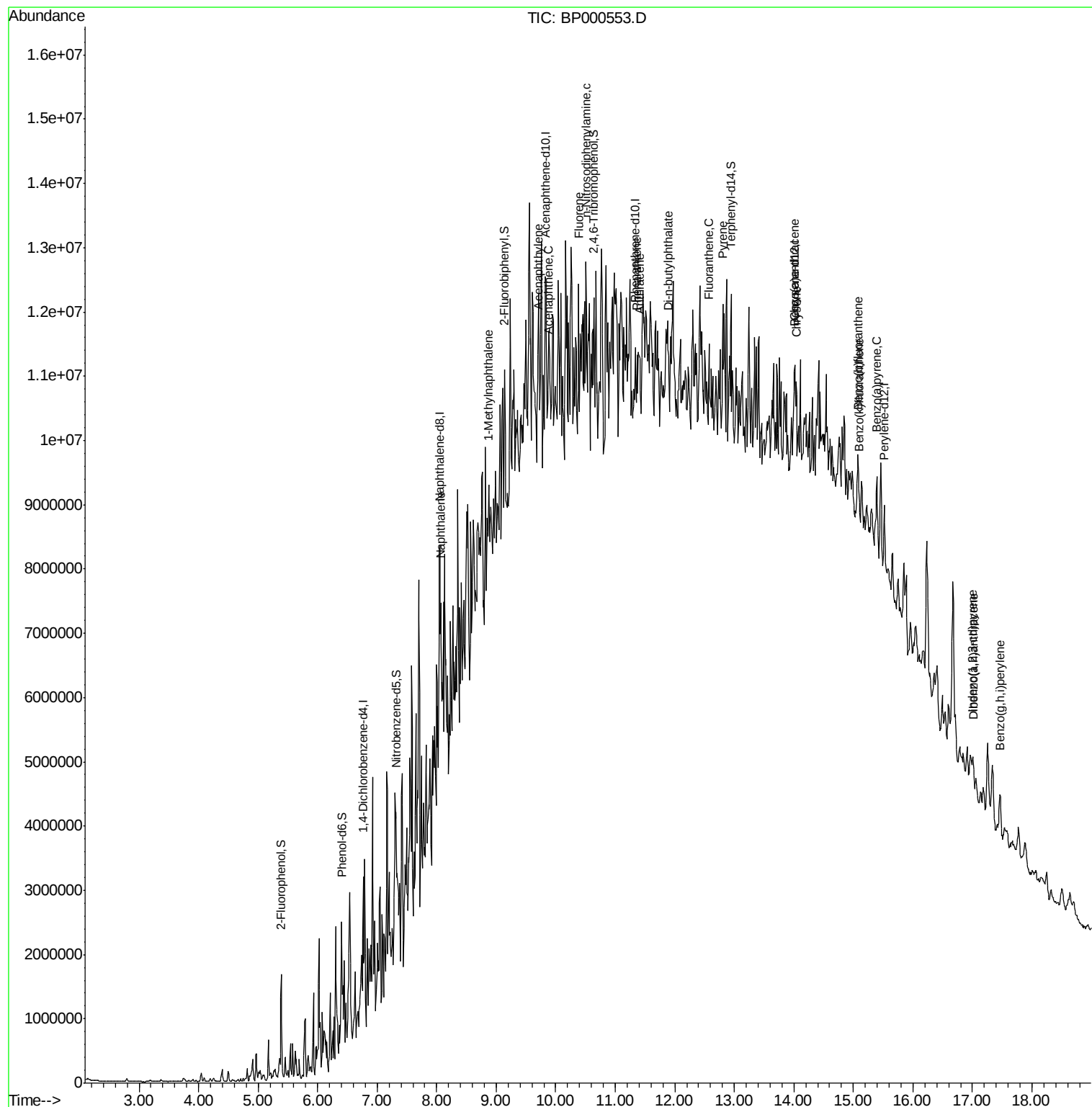
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	252497	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	712524	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	251567	20.00	ng	0.02
64) Phenanthrene-d10	11.34	188	530161	20.00	ng	0.03
76) Chrysene-d12	14.02	240	509247	20.00	ng	0.04
87) Perylene-d12	15.52	264	681985	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	527692	33.59	ng	0.00
7) Phenol-d6	6.40	99	694581	36.69	ng	0.00
23) Nitrobenzene-d5	7.32	82	447565	38.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	128953	48.10	ng	0.02
45) 2-Fluorobiphenyl	9.14	172	475347	30.57	ng	0.00
79) Terphenyl-d14	12.95	244	539715	21.46	ng	0.03
Target Compounds						
31) Naphthalene	8.07	128	81432	2.447	ng	# 25
38) 1-Methylnaphthalene	8.87	142	280226	13.276	ng	# 90
49) Acenaphthylene	9.69	152	188436	8.506	ng	# 1
52) Acenaphthene	9.87	154	135051	10.050	ng	# 84
58) Fluorene	10.39	166	202115	14.117	ng	# 71
66) n-Nitrosodiphenylamine	10.51	169	1020363	66.081	ng	# 39
71) Phenanthrene	11.36	178	264075	9.918	ng	# 56
72) Anthracene	11.42	178	338081	12.806	ng	# 69
74) Di-n-butylphthalate	11.90	149	155756	5.225	ng	# 33
75) Fluoranthene	12.57	202	564987	18.893	ng	89
78) Pyrene	12.81	202	1977657	56.307	ng	97
81) Benzo(a)anthracene	14.00	228	599737	19.302	ng	# 38
83) Chrysene	14.05	228	742283	24.340	ng	# 58
86) Indeno(1,2,3-cd)pyrene	17.01	276	329115	8.639	ng	96
88) Benzo(b)fluoranthene	15.08	252	665699m	17.206	ng	
89) Benzo(k)fluoranthene	15.10	252	150508m	4.086	ng	
90) Benzo(a)pyrene	15.39	252	979681m	27.163	ng	
91) Dibenzo(a,h)anthracene	17.02	278	232592	6.649	ng	# 38
92) Benzo(a,h,i)perylene	17.46	276	544117	15.308	ng	# 91

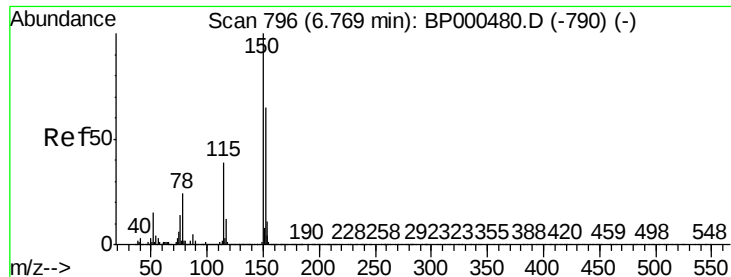
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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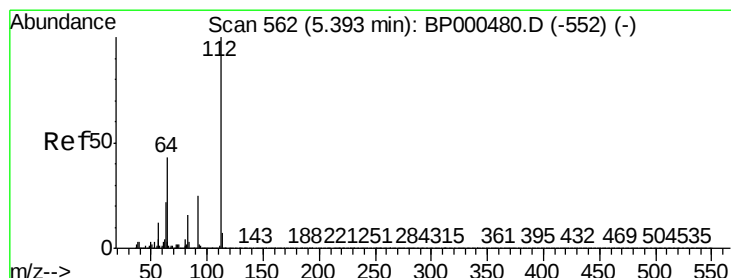
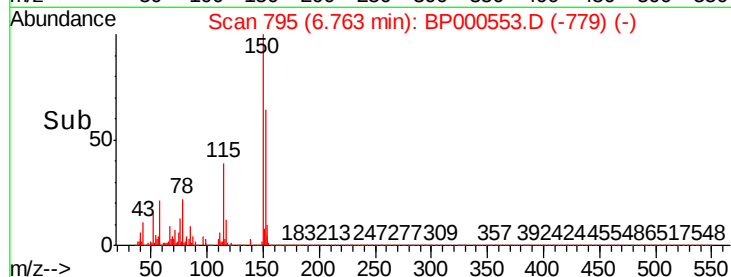
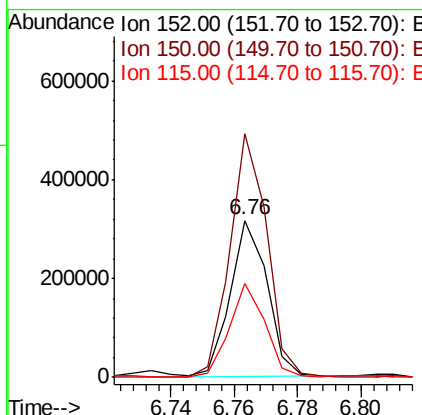
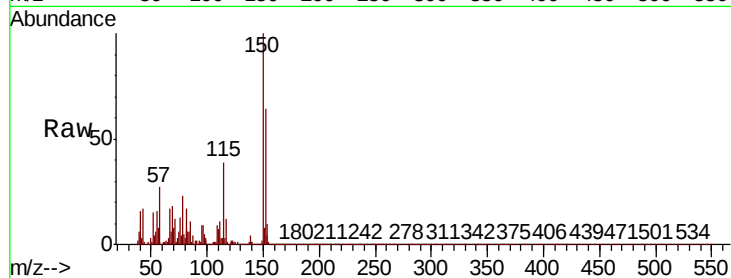


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampleId :

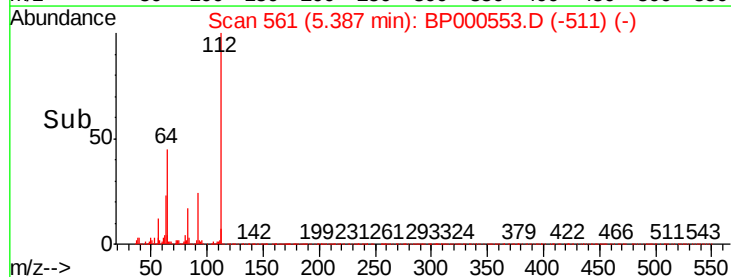
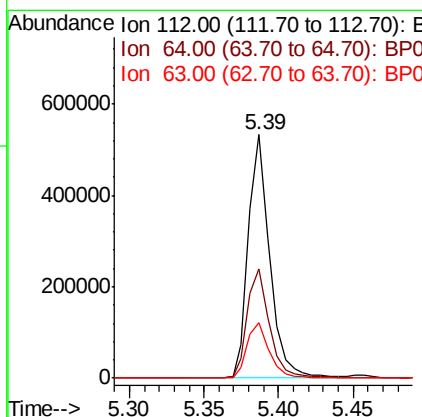
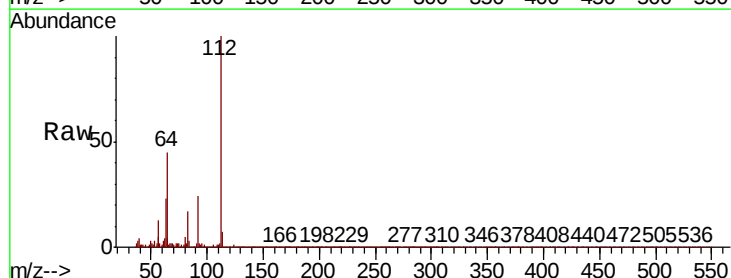
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	60.0	48.7	73.1

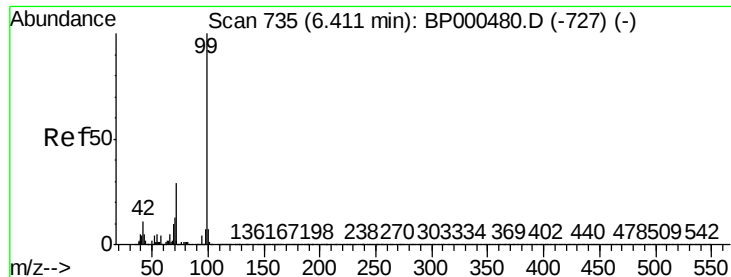


#5

2-Fluorophenol
Concen: 33.594 ng
RT: 5.39 min Scan# 561
Delta R.T. -0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	34.2	51.4
63	22.7	17.9	26.9





#7

Phenol-d6

Concen: 36.694 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

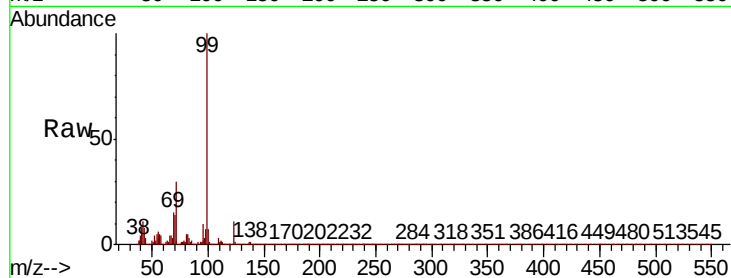
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 694581

Ion	Ratio	Lower	Upper
99	100		
42	11.3	8.6	12.8
71	29.8	23.0	34.4

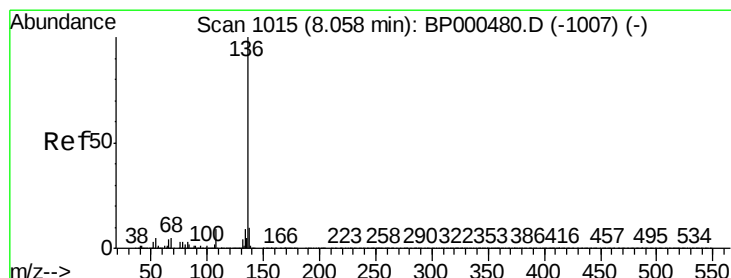
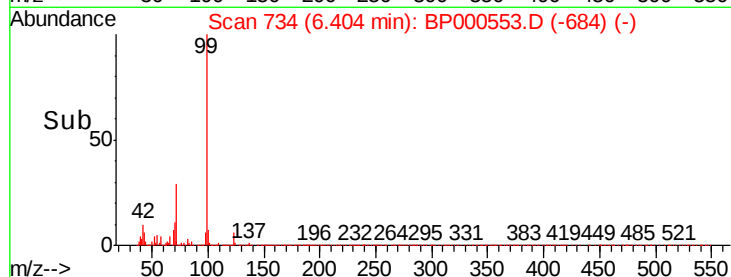
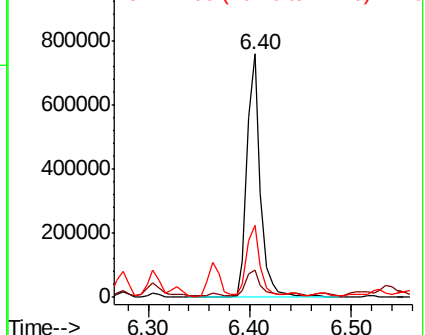


Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

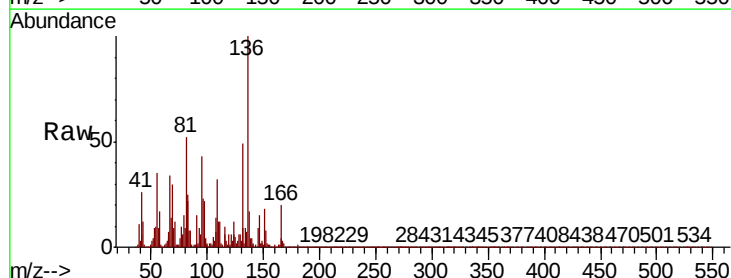
Delta R.T. -0.01 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Tgt Ion: 136 Resp: 712524

Ion	Ratio	Lower	Upper
136	100		
137	17.3	8.2	12.4#
54	9.7	4.1	6.1#
68	14.1	4.1	6.1#



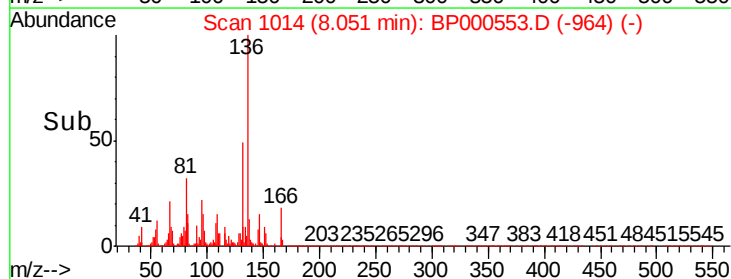
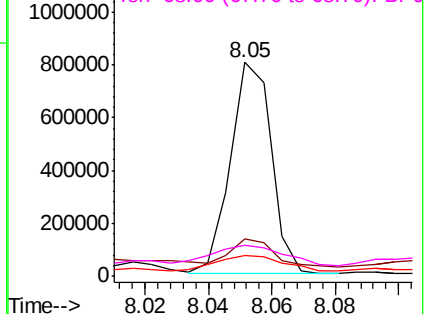
Abundance

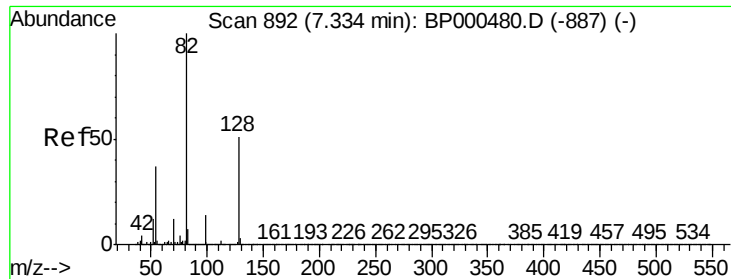
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

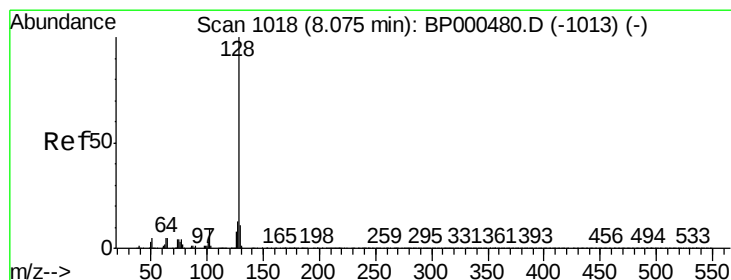
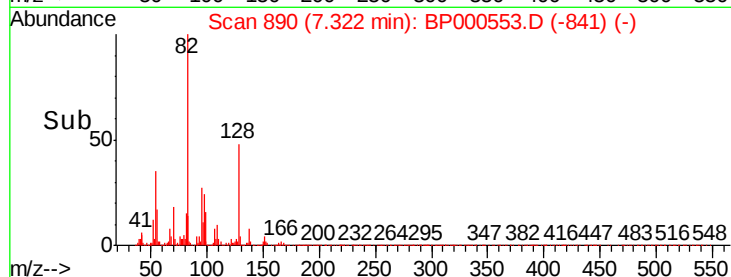
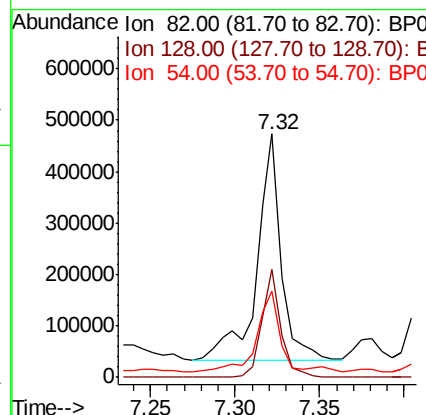
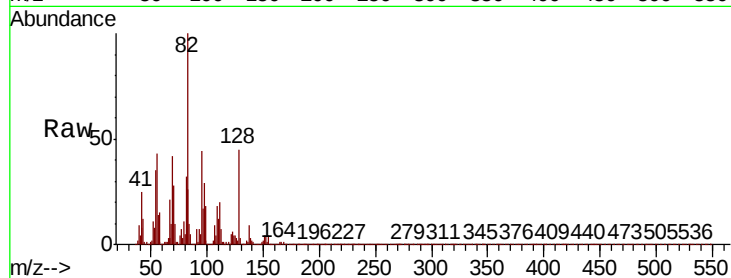




#23
 Nitrobenzene-d5
 Concen: 38.364 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

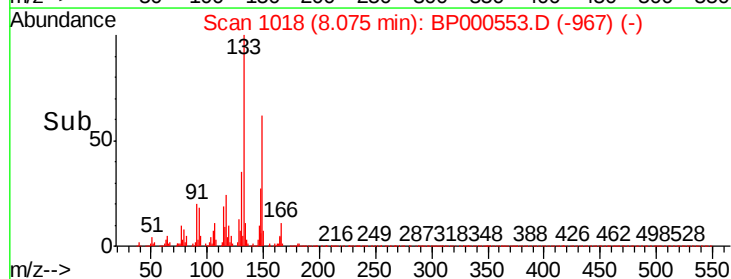
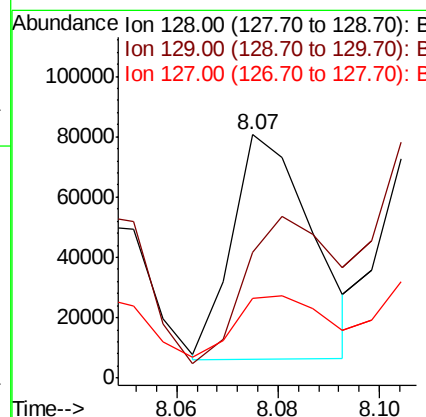
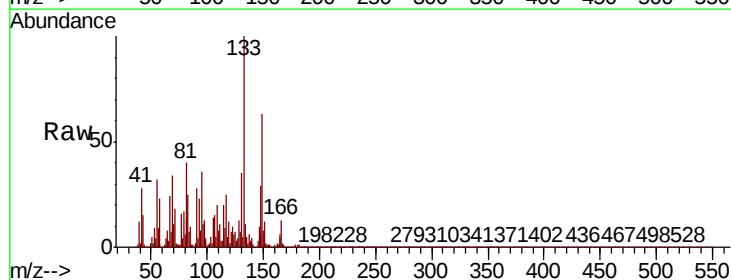
Instrument :
 BNA_P
 ClientSampleId :

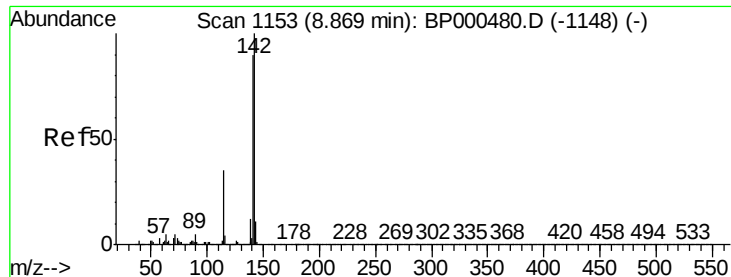
Tot Ion	82	Resp	447565
Ion Ratio	Lower	Upper	
82	100		
128	44.6	40.9	61.3
54	35.4	29.4	44.2



#31
 Naphthalene
 Concen: 2.447 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Tgt Ion	128	Resp	81432
Ion Ratio	Lower	Upper	
128	100		
129	51.5	9.0	13.6#
127	32.6	10.5	15.7#

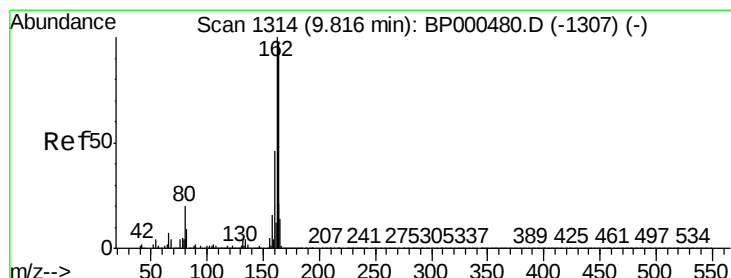
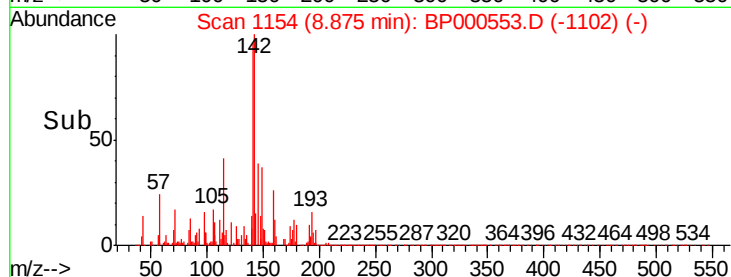
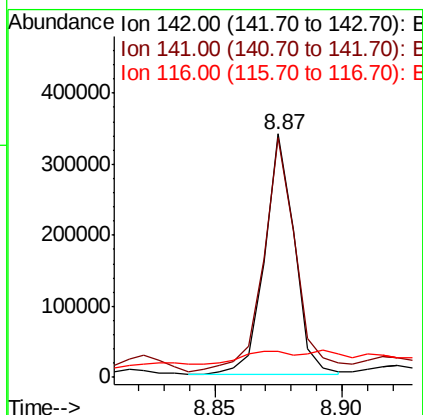
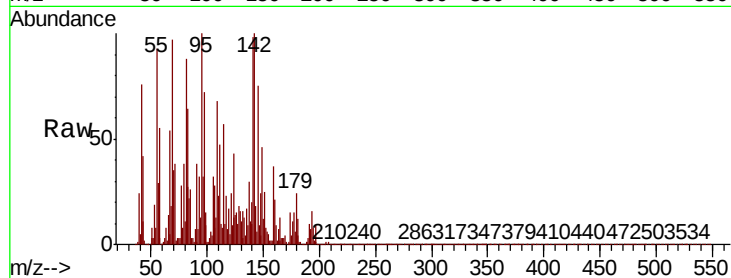




#38
1-Methylnaphthalene
Concen: 13.276 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

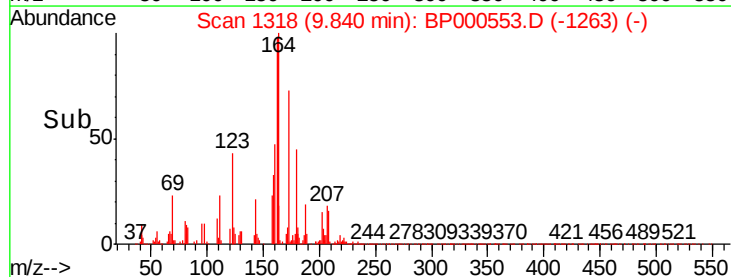
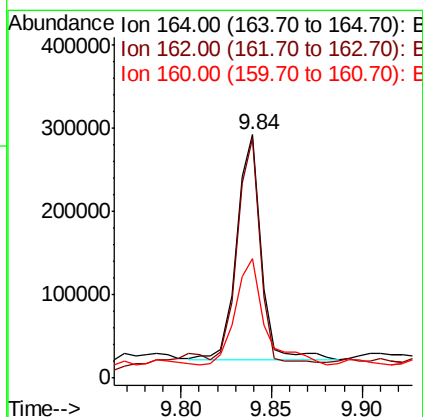
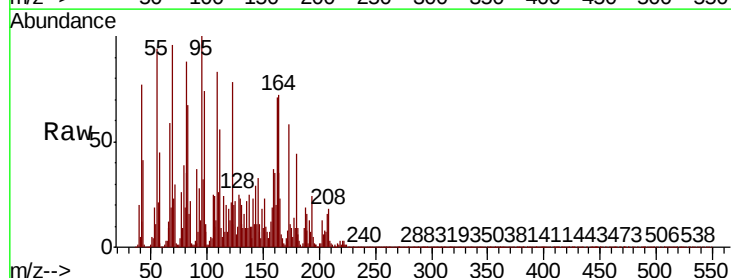
Instrument :
BNA_P
ClientSampleId :

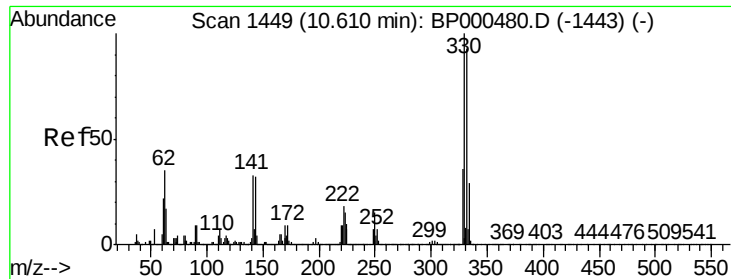
Tot Ion:142 Resp: 280226
Ion Ratio Lower Upper
142 100
141 98.5 71.9 107.9
116 10.5 3.0 4.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion:164 Resp: 251567
Ion Ratio Lower Upper
164 100
162 98.6 82.2 123.2
160 49.0 37.6 56.4

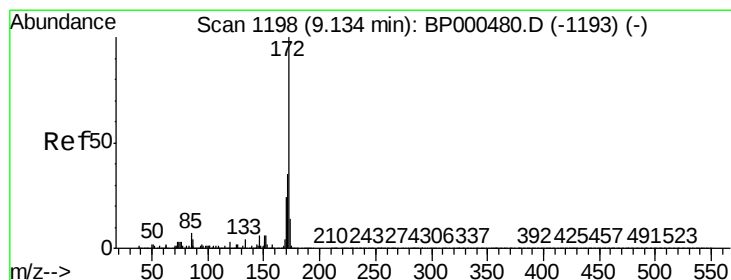
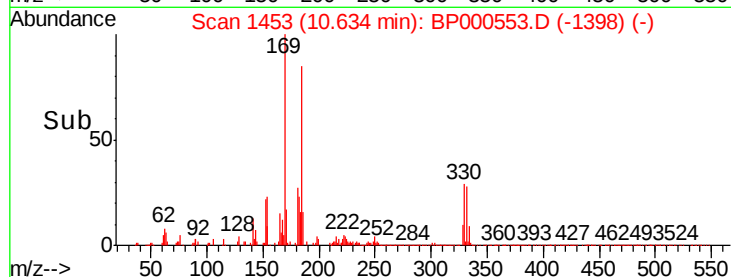
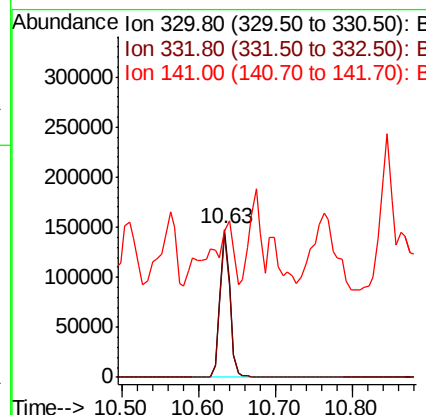
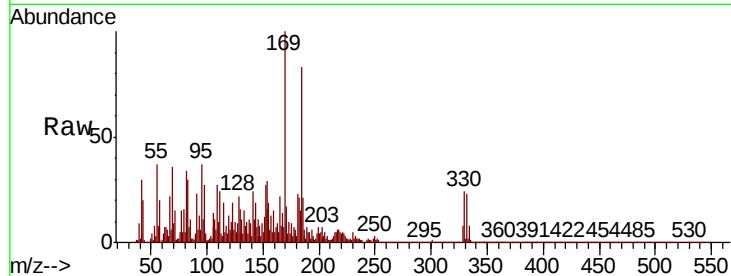




#42
2,4,6-Tribromophenol
Concen: 48.103 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.02 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

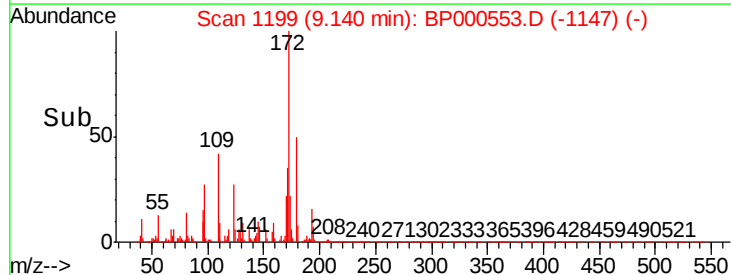
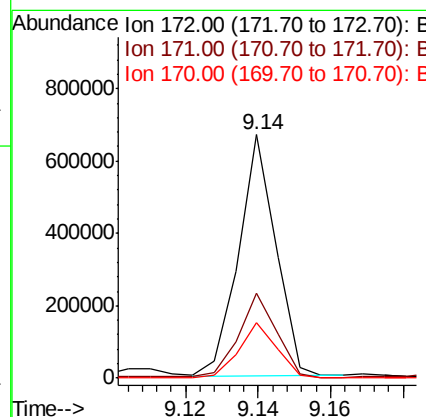
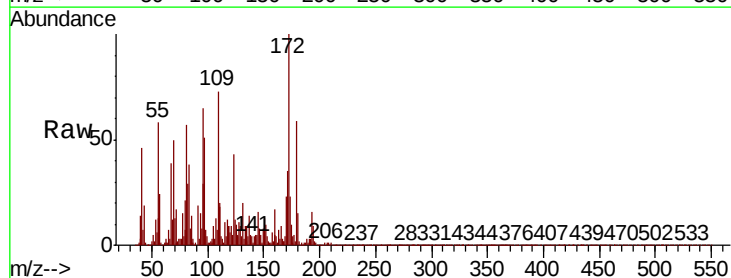
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BNA_P
ClientSampled :

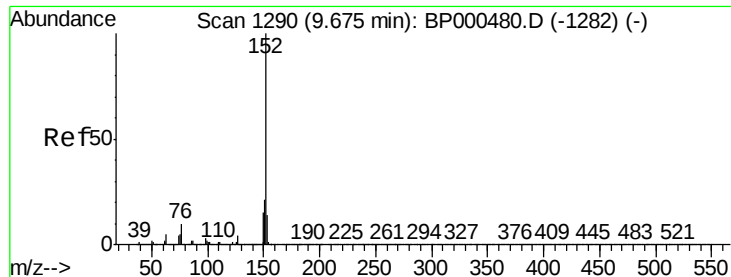
Tot Ion:330 Resp: 128953
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 102.8 26.0 39.0#



#45
2-Fluorobiphenyl
Concen: 30.573 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion:172 Resp: 475347
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 22.6 19.1 28.7





#49

Acenaphthylene

Concen: 8.506 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.02 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Instrument :

BNA_P

ClientSampleId :

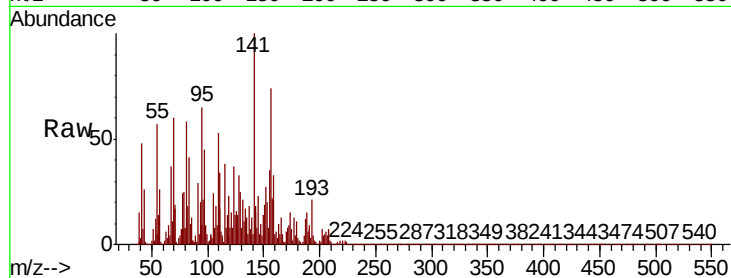
Tot Ion:152 Resp: 188436

Ion Ratio Lower Upper

152 100

151 68.9 16.6 25.0#

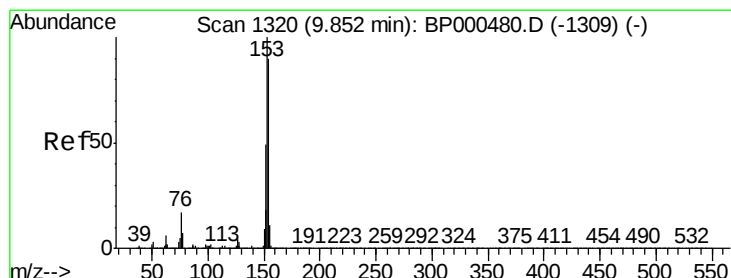
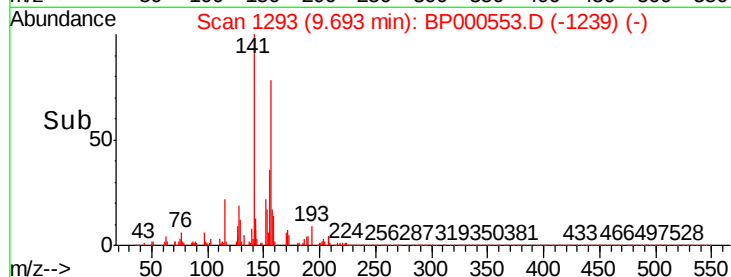
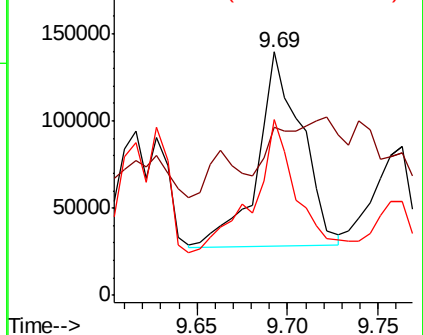
153 72.4 11.0 16.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#52

Acenaphthene

Concen: 10.050 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.02 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

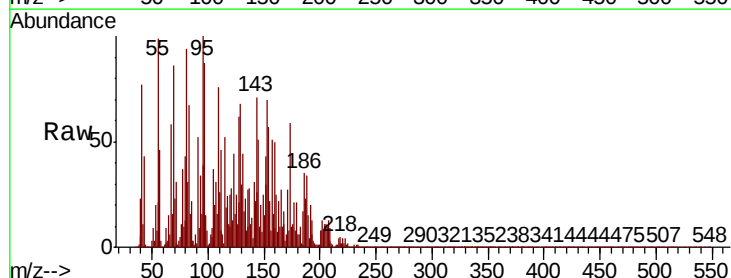
Tgt Ion:154 Resp: 135051

Ion Ratio Lower Upper

154 100

153 122.3 89.4 134.0

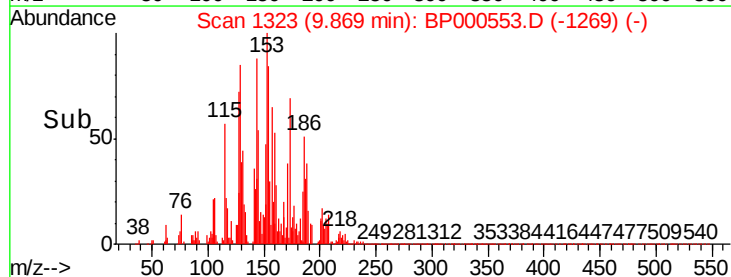
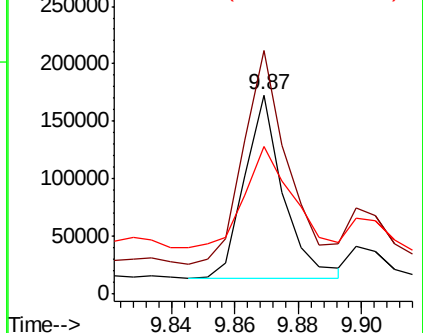
152 74.3 43.8 65.8#

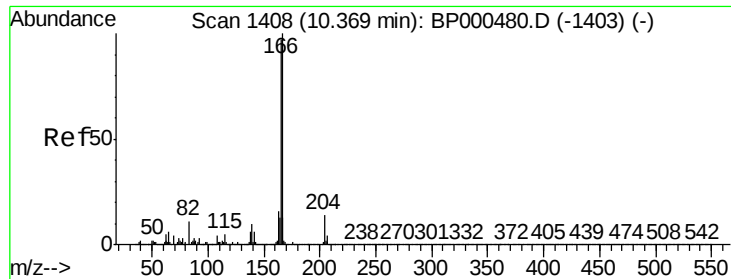


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

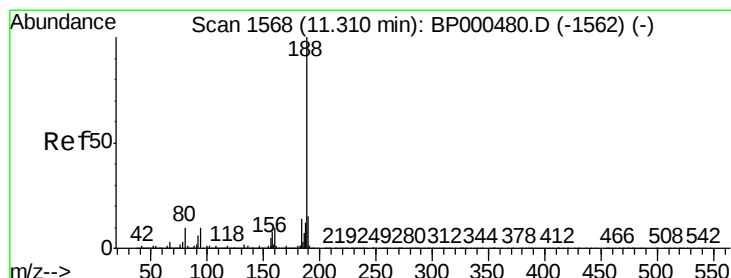
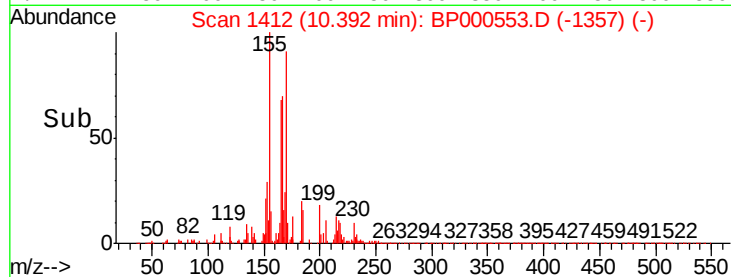
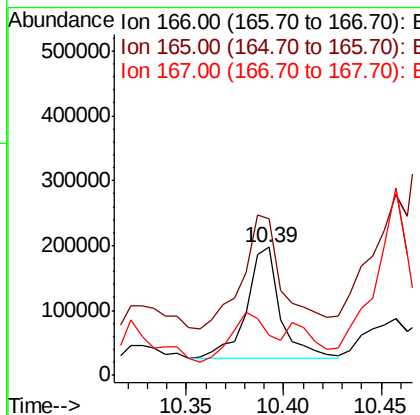
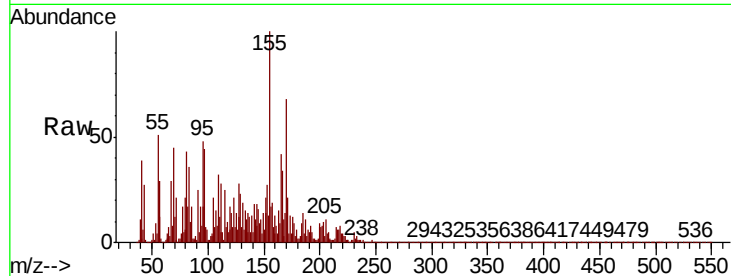




#58
 Fluorene
 Concen: 14.117 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.02 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

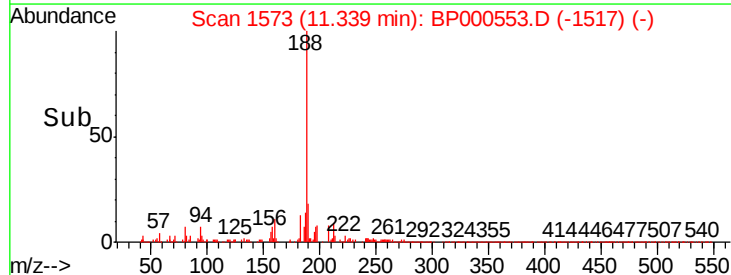
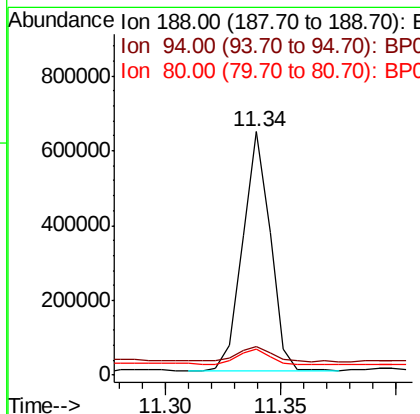
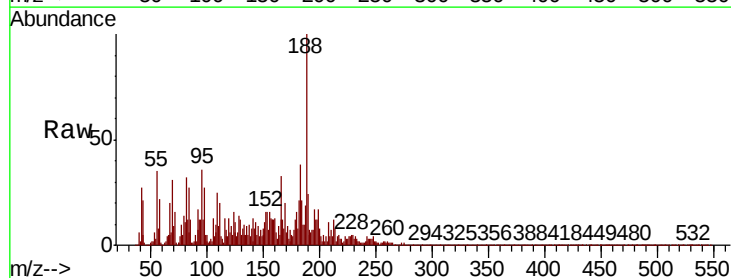
Instrument :
 BNA_P
 ClientSampleId :

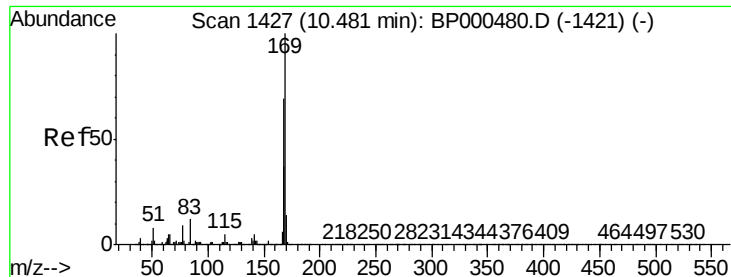
Tot Ion	Ratio	Lower	Upper
166	100		
165	122.6	77.3	115.9#
167	31.3	10.6	16.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.2	12.2
80	10.9	8.3	12.5

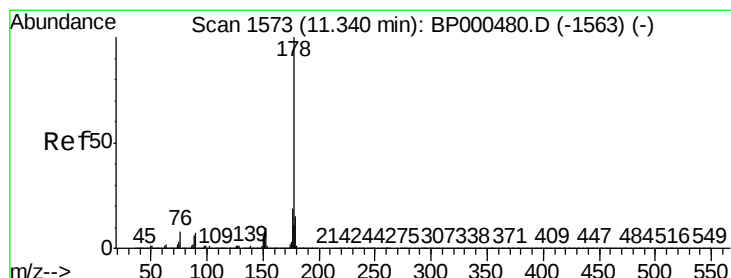
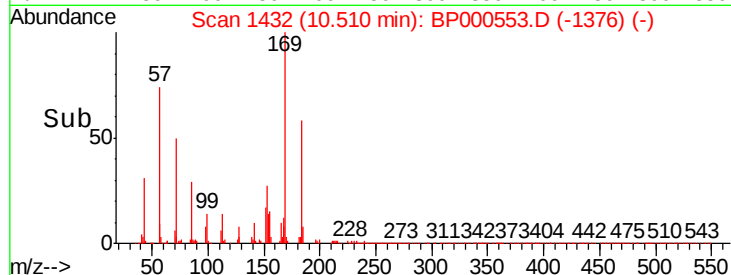
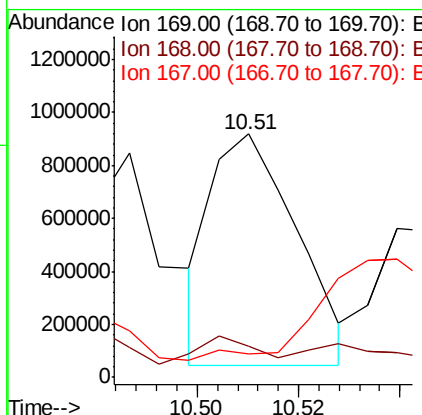
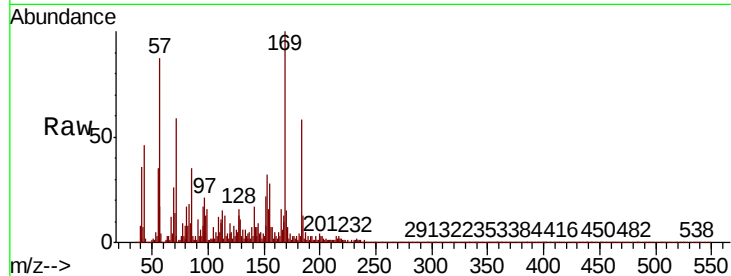




#66
 n-Nitrosodiphenylamine
 Concen: 66.081 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.03 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

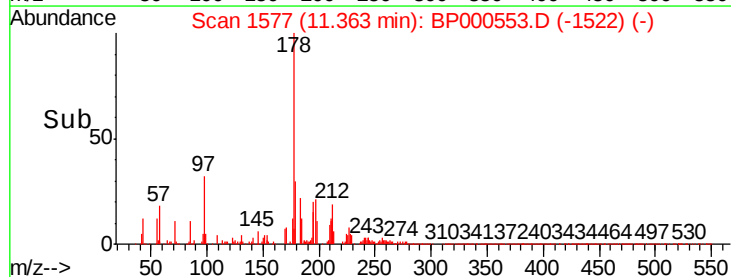
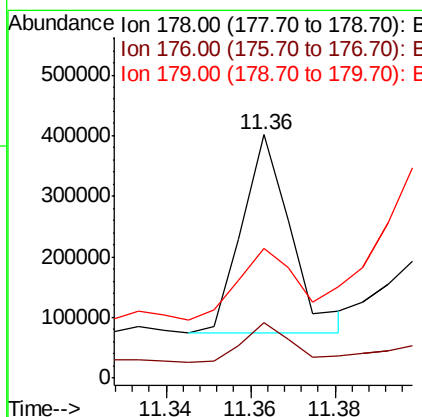
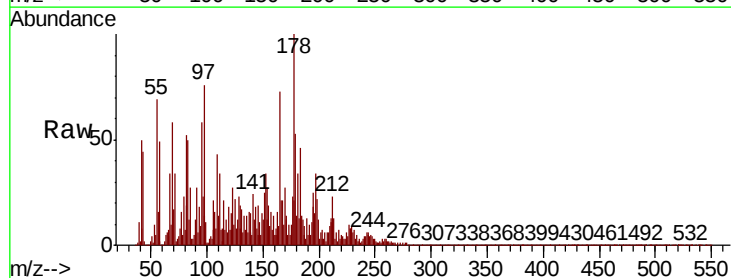
Instrument :
 BNA_P
 ClientSampleId :

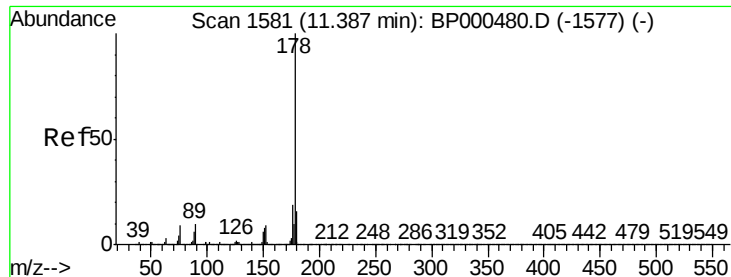
Tot Ion:169 Resp: 1020363
 Ion Ratio Lower Upper
 169 100
 168 13.0 55.4 83.2#
 167 9.6 29.4 44.2#



#71
 Phenanthrene
 Concen: 9.918 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Tgt Ion:178 Resp: 264075
 Ion Ratio Lower Upper
 178 100
 176 22.7 15.4 23.2
 179 53.1 12.2 18.4#





#72

Anthracene

Concen: 12.806 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.03 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Instrument :

BNA_P

ClientSampleId :

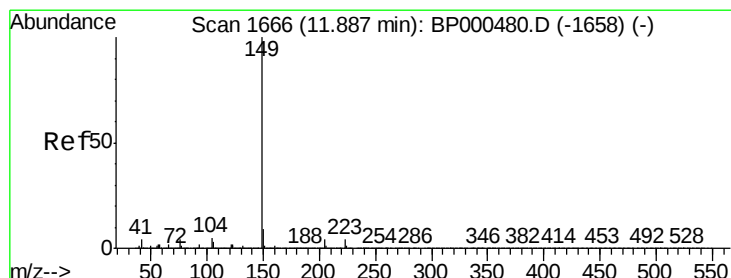
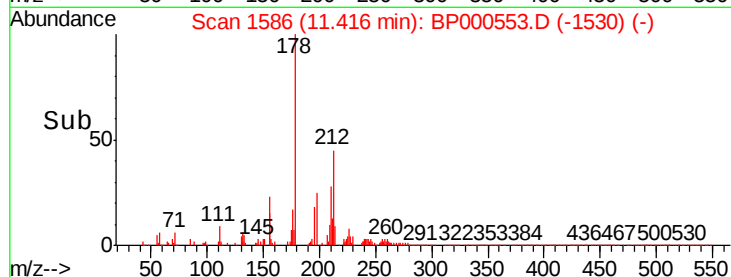
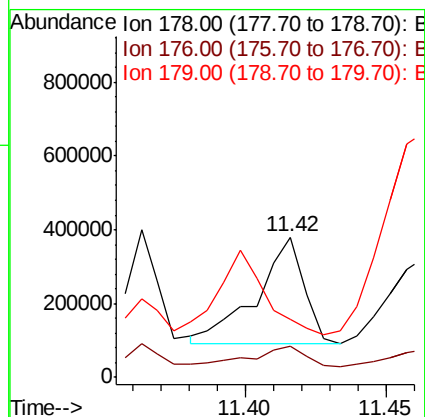
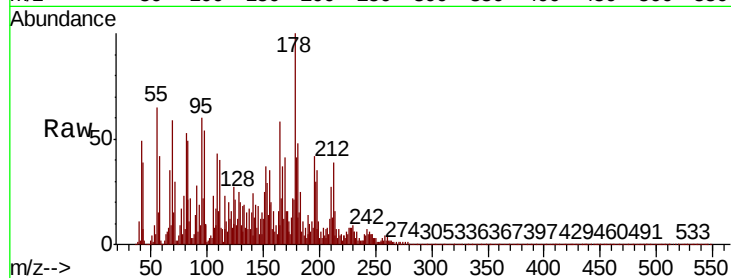
Tot Ion:178 Resp: 338081

Ion Ratio Lower Upper

178 100

176 22.4 15.4 23.0

179 41.1 12.6 19.0#



#74

Di-n-butylphthalate

Concen: 5.225 ng

RT: 11.90 min Scan# 1668

Delta R.T. 0.01 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

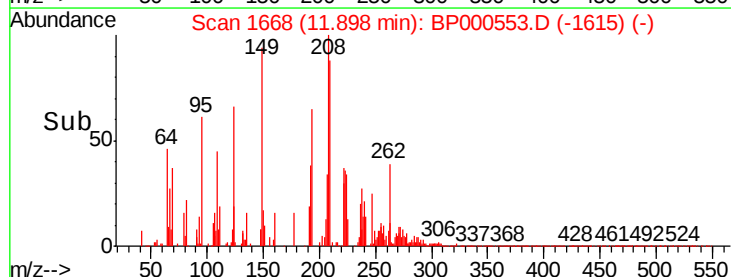
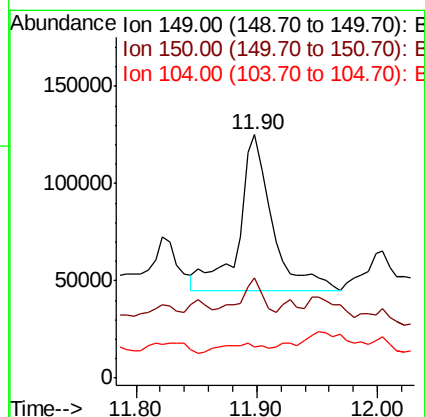
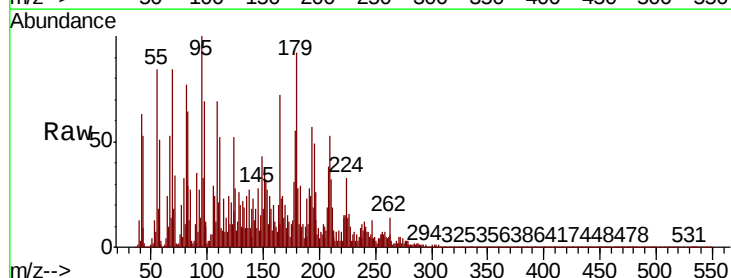
Tgt Ion:149 Resp: 155756

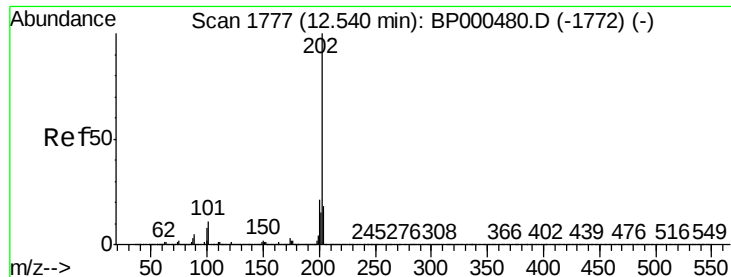
Ion Ratio Lower Upper

149 100

150 41.4 7.4 11.2#

104 12.9 3.7 5.5#





#75

Fluoranthene

Concen: 18.893 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.04 min

Lab File: BP000553.D

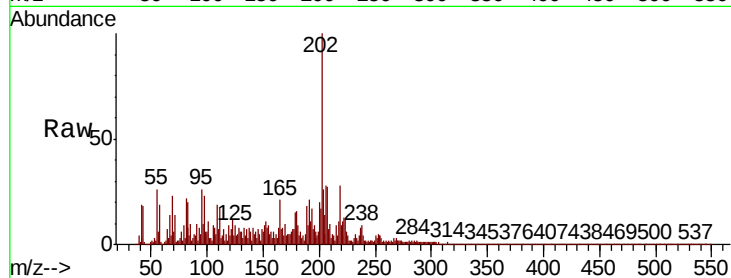
Acq: 07 Oct 2019 19:20

Instrument :

BNA_P

ClientSampleId :

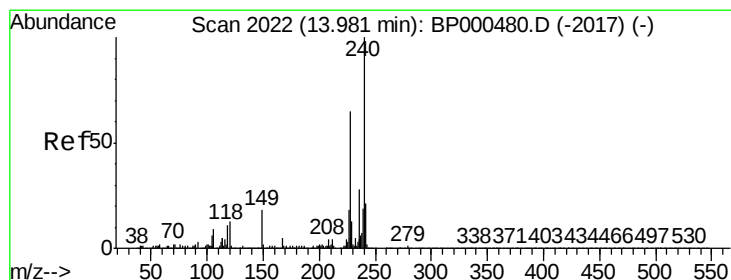
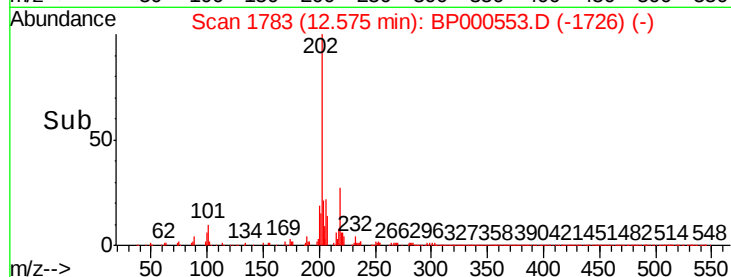
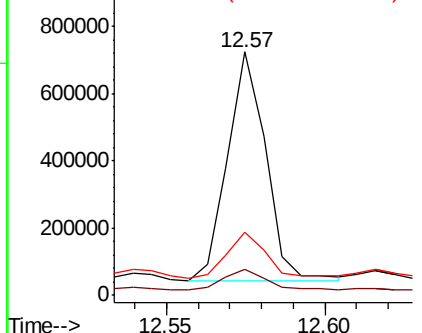
Tot Ion:	202	Resp:	564987
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.3
203	25.9	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

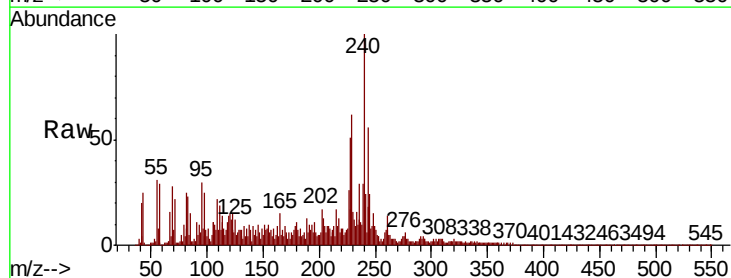
RT: 14.02 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

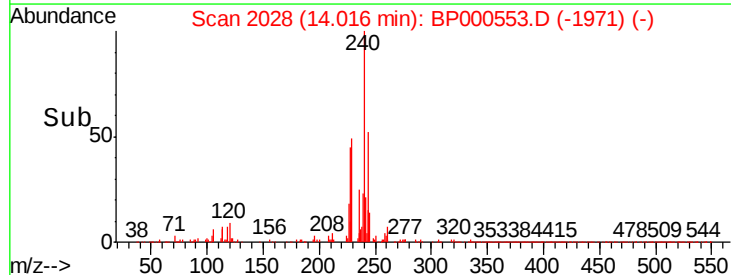
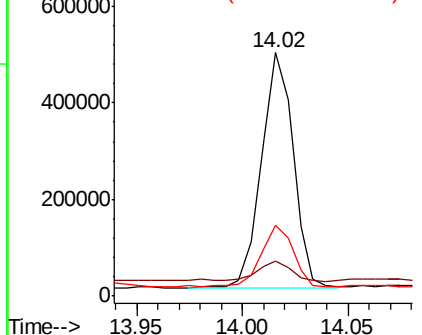
Tgt Ion:	240	Resp:	509247
Ion	Ratio	Lower	Upper
240	100		
120	14.6	10.1	15.1
236	29.2	22.7	34.1

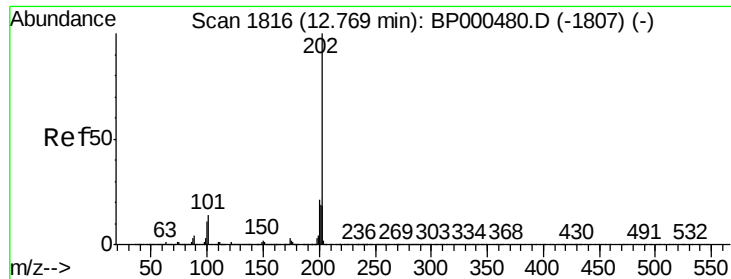


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



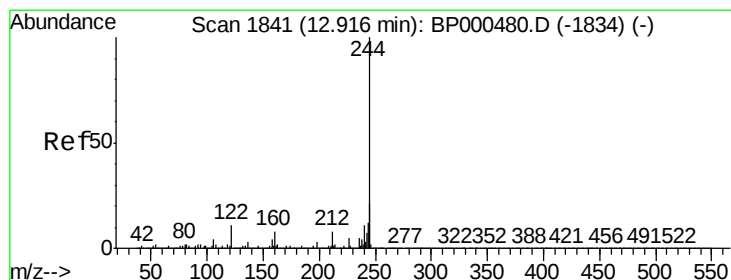
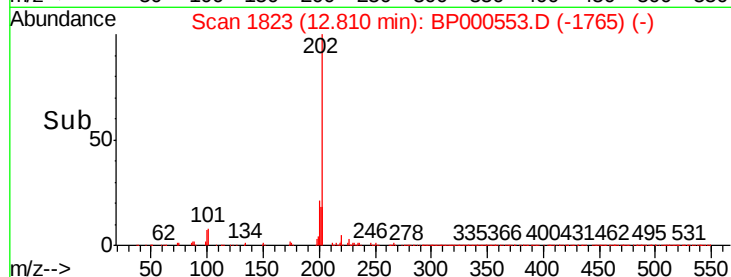
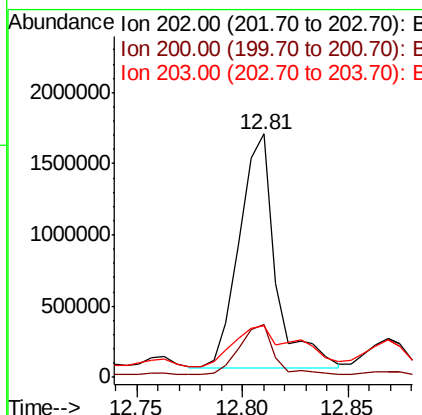
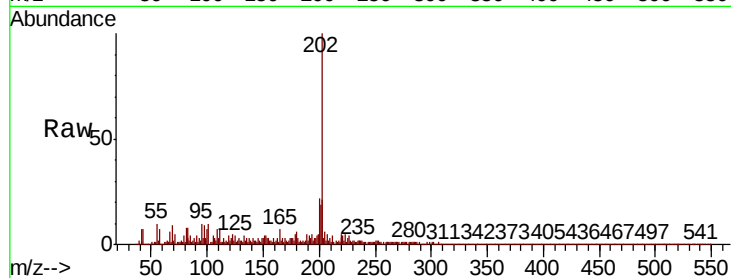


#78
 Pvrene
 Concen: 56.307 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. 0.04 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:202 Resp: 1977657

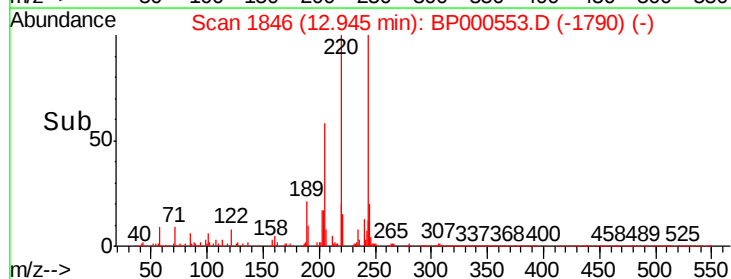
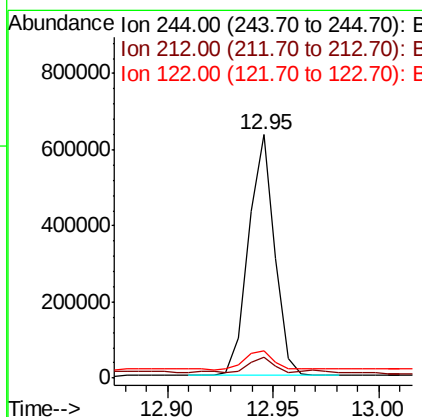
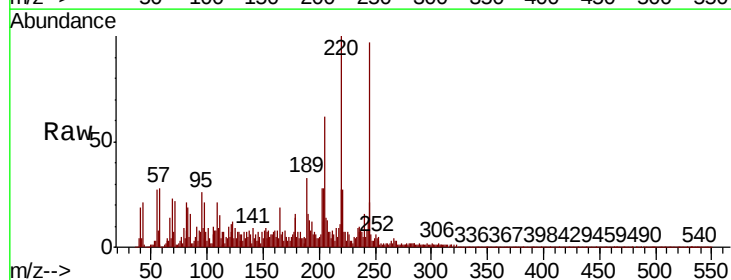
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.1	25.7
203	21.0	14.6	21.8

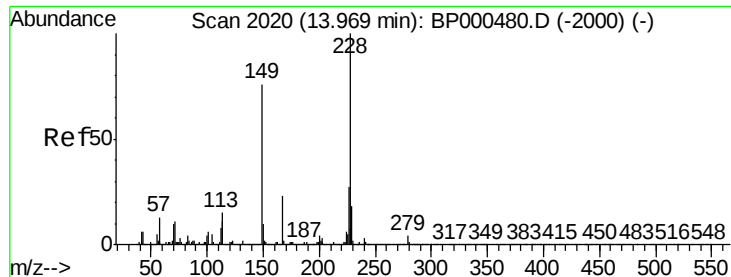


#79
 Terphenyl-d14
 Concen: 21.459 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. 0.03 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Tgt Ion:244 Resp: 539715

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.0	9.0
122	11.4	8.9	13.3





#81

Benzo(a)anthracene

Concen: 19.302 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.04 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Instrument :

BNA_P

ClientSampleId :

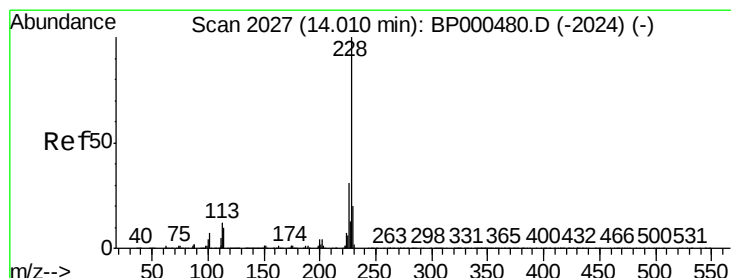
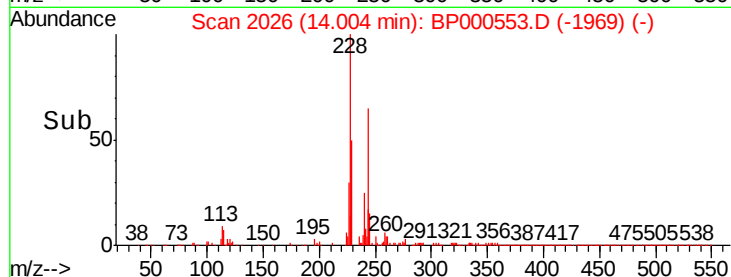
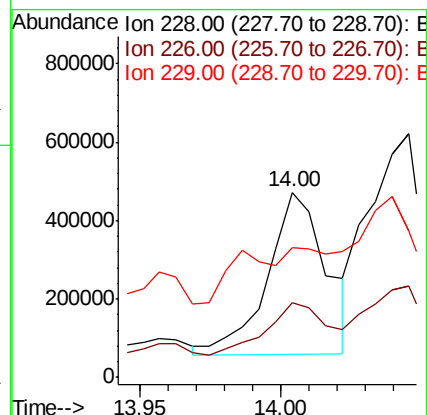
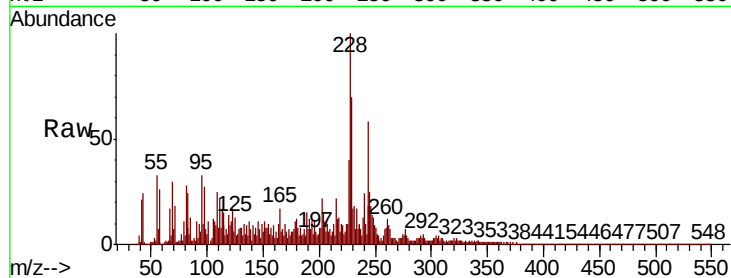
Tot Ion:228 Resp: 599737

Ion Ratio Lower Upper

228 100

226 40.2 21.4 32.2#

229 69.9 14.7 22.1#



#83

Chrysene

Concen: 24.340 ng

RT: 14.05 min Scan# 2033

Delta R.T. 0.04 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

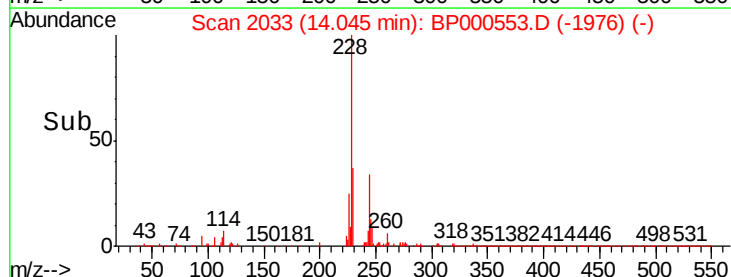
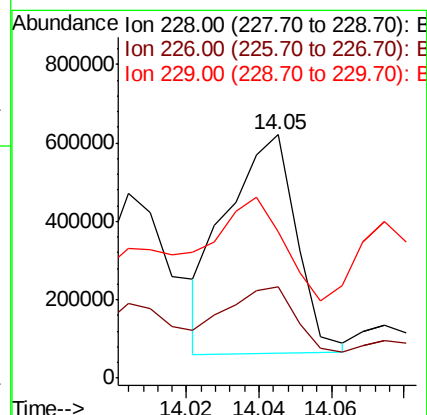
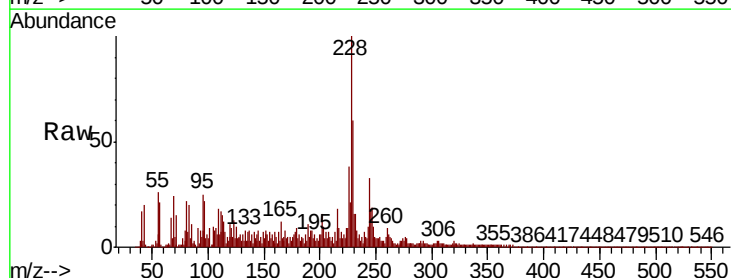
Tgt Ion:228 Resp: 742283

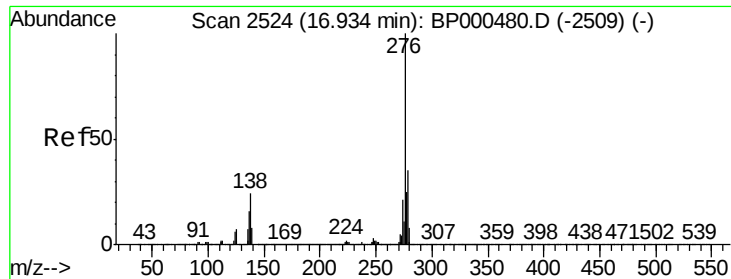
Ion Ratio Lower Upper

228 100

226 37.7 24.7 37.1#

229 60.3 16.3 24.5#





#86

Indeno(1,2,3-cd)pyrene

Concen: 8.639 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.08 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Instrument :

BNA_P

ClientSampleId :

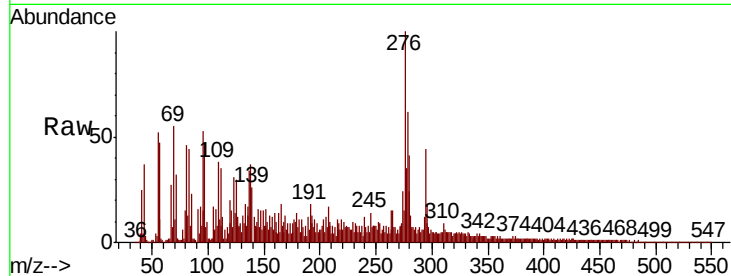
Tot Ion:276 Resp: 329115

Ion Ratio Lower Upper

276 100

138 22.4 20.9 31.3

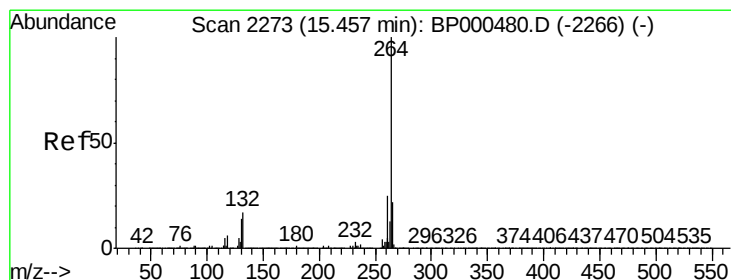
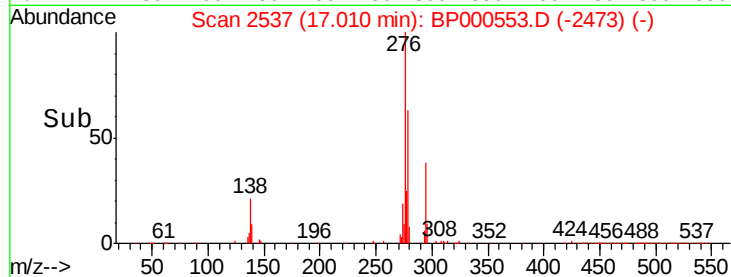
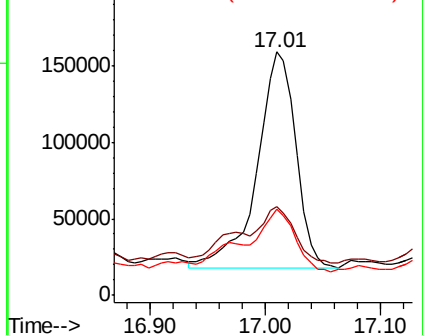
277 24.9 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.06 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

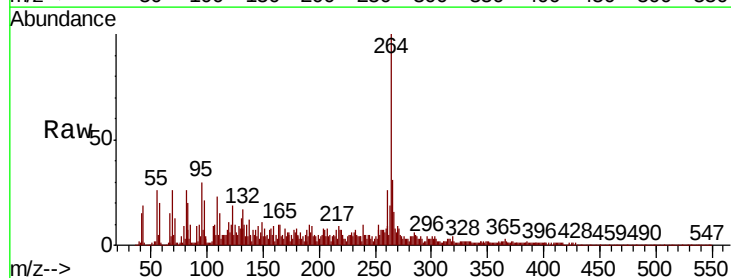
Tgt Ion:264 Resp: 681985

Ion Ratio Lower Upper

264 100

260 25.7 20.3 30.5

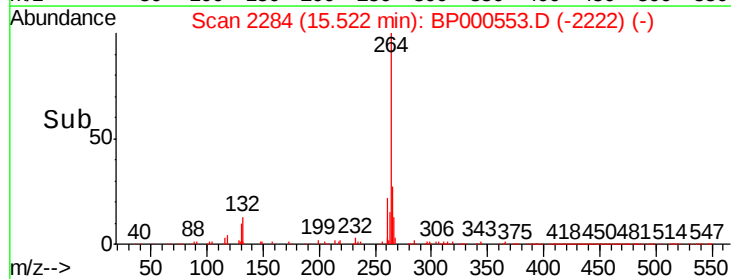
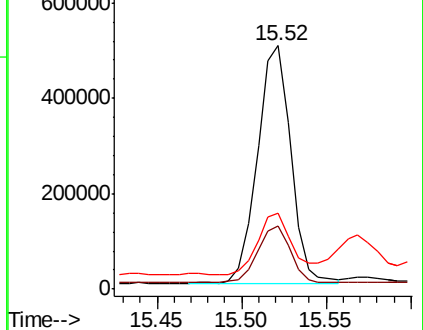
265 31.4 18.0 27.0#

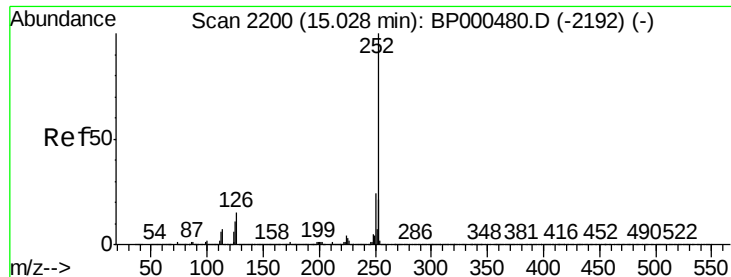


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

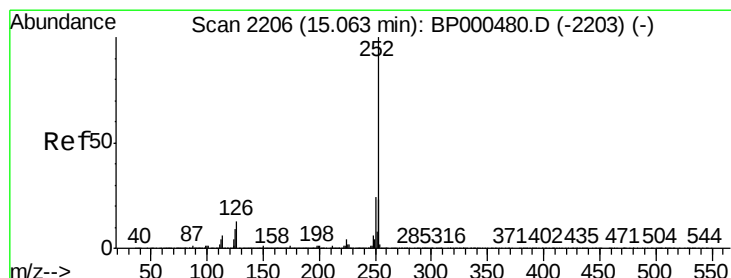
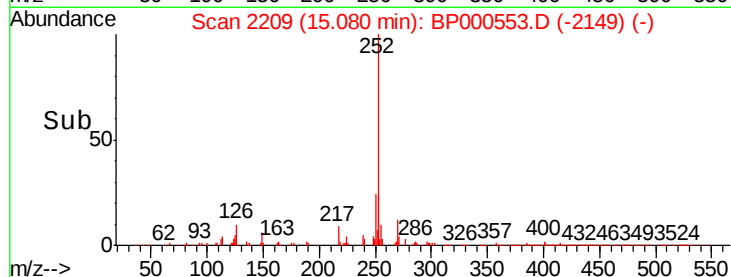
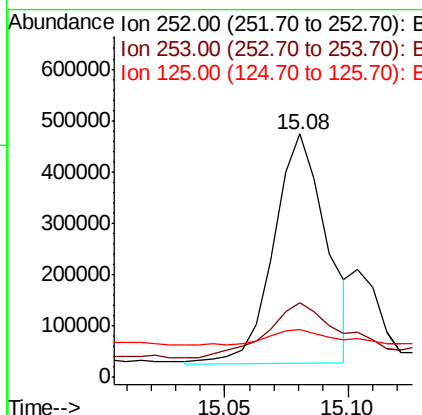
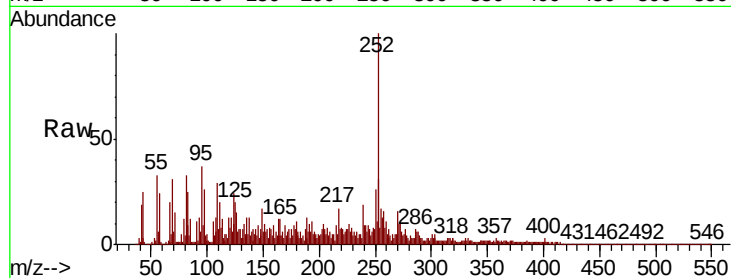




#88
Benzo(b)fluoranthene
Concen: 17.206 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.05 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

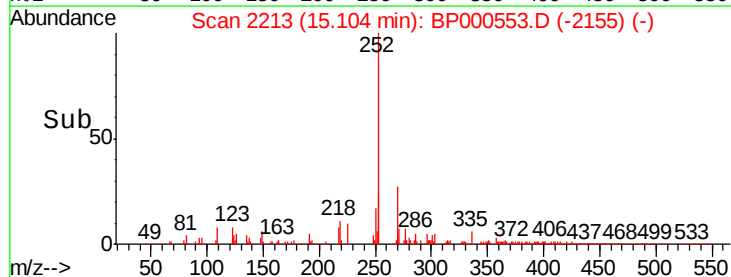
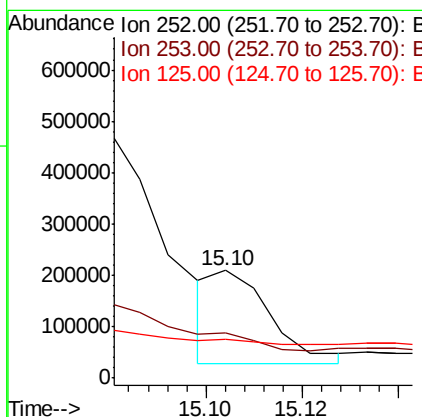
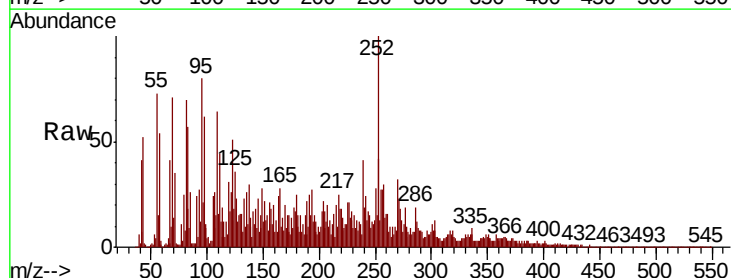
Instrument :
BNA_P
ClientSampleId :

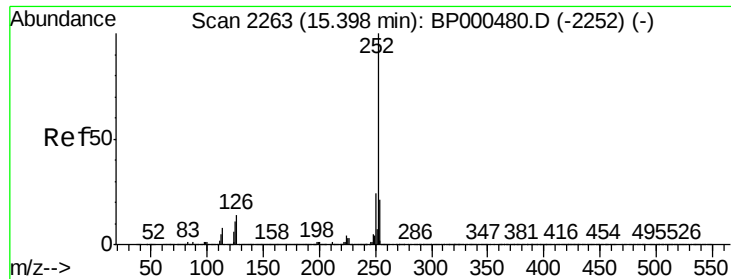
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.0	25.4#
125	19.6	8.9	13.3#



#89
Benzo(k)fluoranthene
Concen: 4.086 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.04 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.6	18.4	27.6#
125	36.3	7.8	11.8#

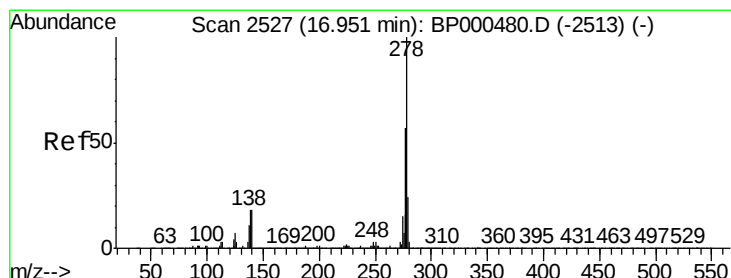
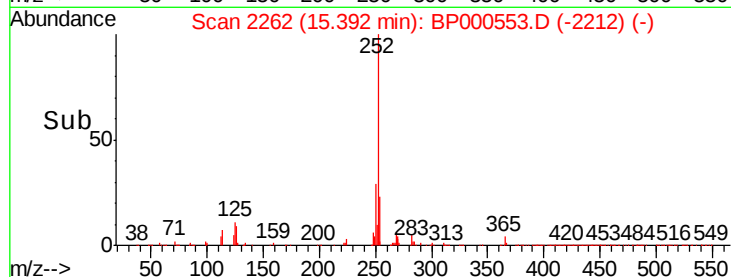
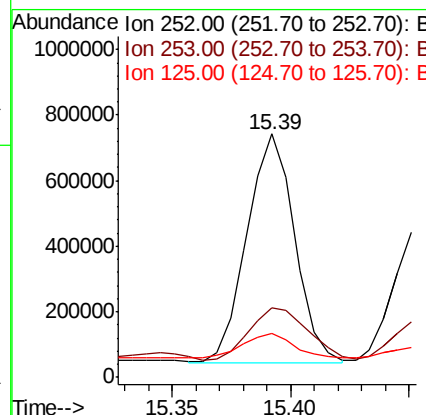
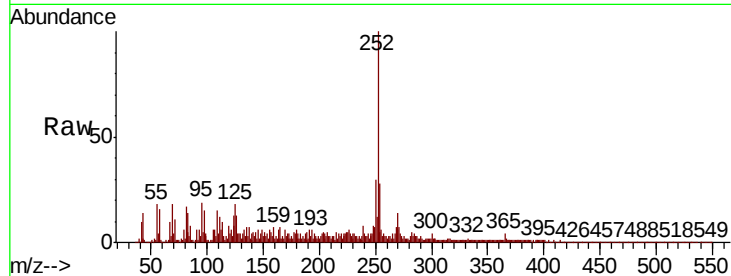




#90
Benzo(a)pyrene
Concen: 27.163 ng/ml
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

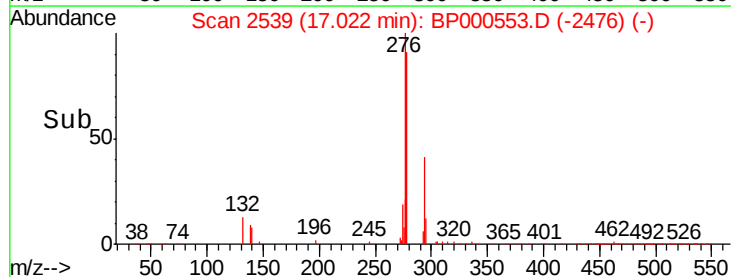
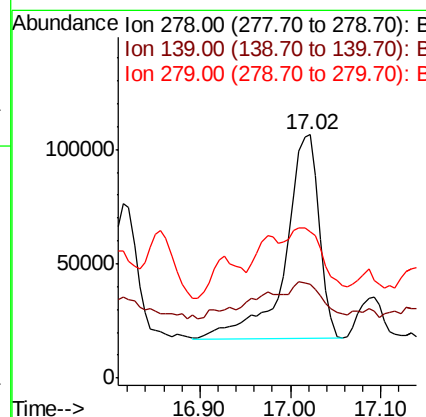
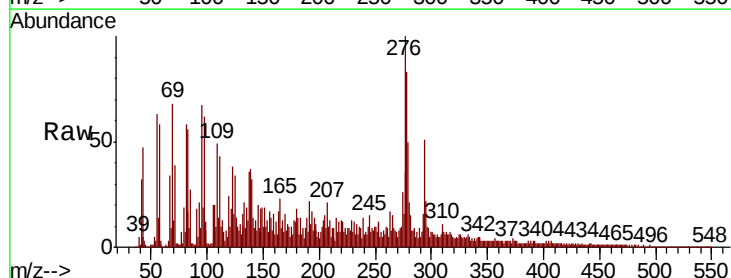
Instrument :
BNA_P
Client Sampled :

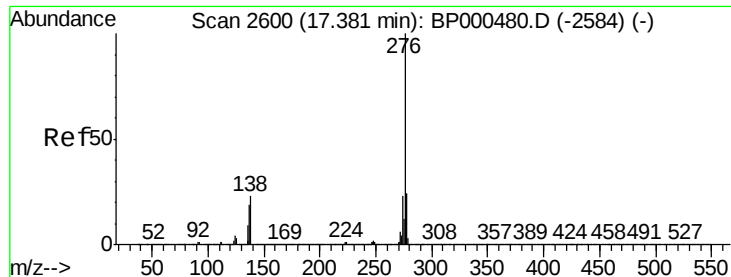
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.0	25.6#
125	17.9	8.4	12.6#



#91
Dibenzo(a,h)anthracene
Concen: 6.649 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.07 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.7	14.1	21.1#
279	60.3	19.5	29.3#

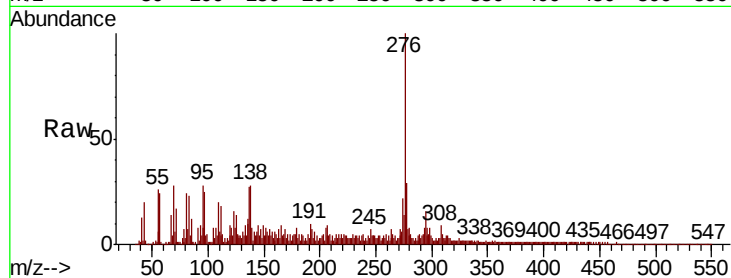




#92
 Benzo(a,h,i)perylene
 Concen: 15.308 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. 0.08 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.4	29.2
138	28.0	18.5	27.7



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

