

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000714.D
 Acq On : 14 Oct 2019 16:42
 Operator : JU
 Sample : K5348-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 02:44:07 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	6.75	152	205488	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	734337	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	401326	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	729803	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	634443	20.00	ng	0.00
87) Perylene-d12	15.46	264	744578	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	202105	15.81	ng	-0.02
7) Phenol-d6	6.39	99	1286929	83.54	ng	-0.02
23) Nitrobenzene-d5	7.31	82	803942	66.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	8702	2.03	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1413070	56.97	ng	-0.02
79) Terphenyl-d14	12.90	244	1621527	51.75	ng	-0.01

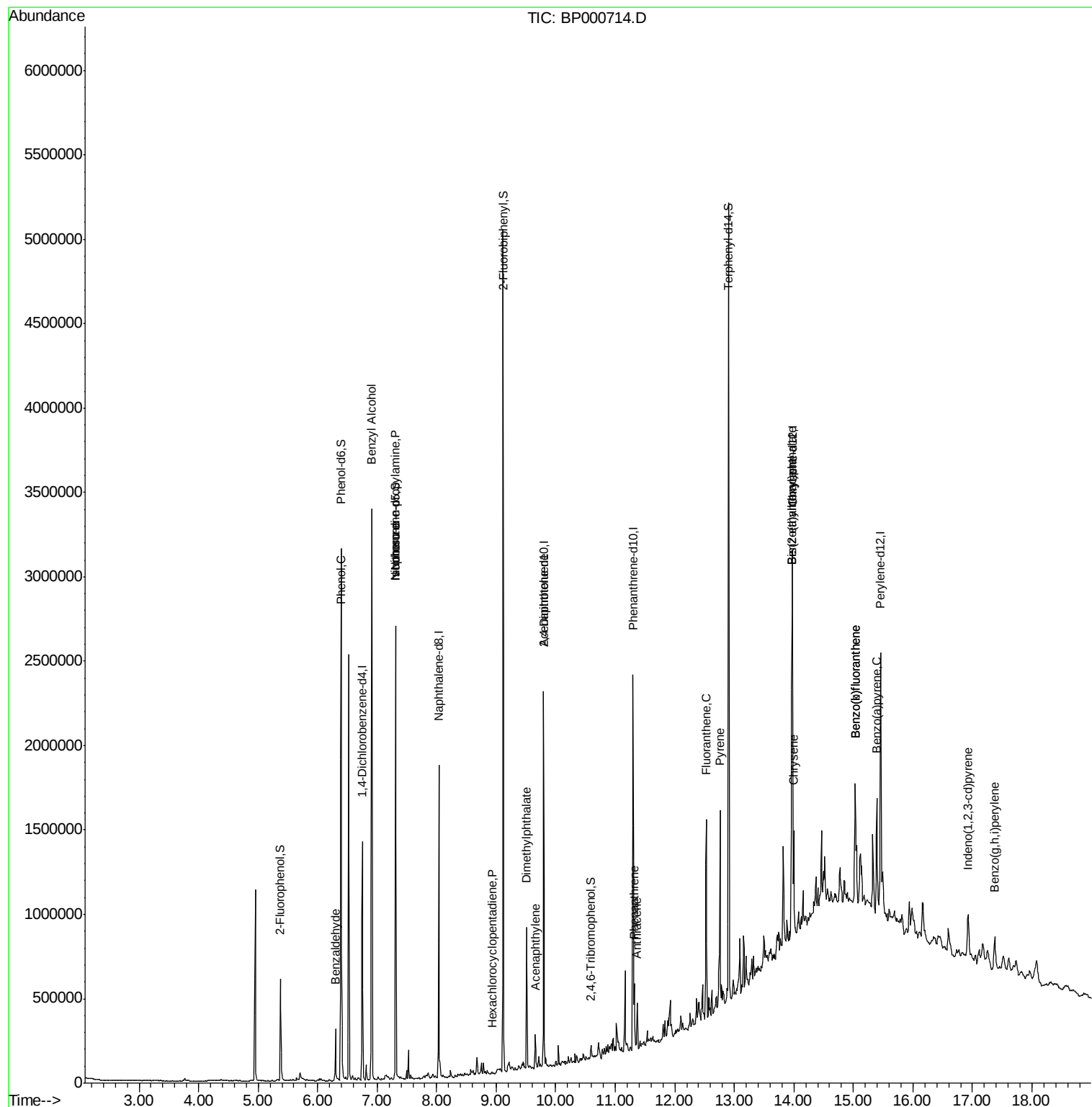
Target Compounds				Qvalue		
9) Benzaldehyde	6.30	77	59479	7.413	ng	97
10) Phenol	6.40	94	126990	8.051	ng	94
15) Benzyl Alcohol	6.90	79	25845	2.598	ng	# 48
19) n-Nitroso-di-n-propylamine	7.31	70	99907	14.070	ng	# 74
25) Isophorone	7.31	82	803159	37.638	ng	# 61
41) Hexachlorocyclopentadiene	8.92	237	14	7.300	ng	# 52
49) Acenaphthylene	9.66	152	74699	2.114	ng	99
50) Dimethylphthalate	9.51	163	312023	11.189	ng	99
57) 2,4-Dinitrotoluene	9.80	165	52920	6.563	ng	# 31
71) Phenanthrene	11.32	178	120739	3.294	ng	99
72) Anthracene	11.38	178	81791	2.251	ng	99
75) Fluoranthene	12.53	202	449521	10.920	ng	99
78) Pvrene	12.76	202	457661	10.459	ng	99
81) Benzo(a)anthracene	13.96	228	275200	7.109	ng	# 85
83) Chrysene	14.00	228	273936	7.210	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	166607	6.947	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	176342	3.716	ng	95
88) Benzo(b)fluoranthene	15.03	252	526724	12.469	ng	# 95
89) Benzo(k)fluoranthene	15.03	252	526724	13.097	ng	# 96
90) Benzo(a)pyrene	15.39	252	309705	7.865	ng	# 93
92) Benzo(a,h,i)perylene	17.37	276	168811	4.350	ng	100

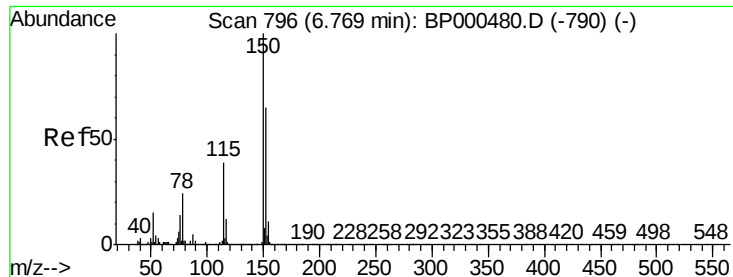
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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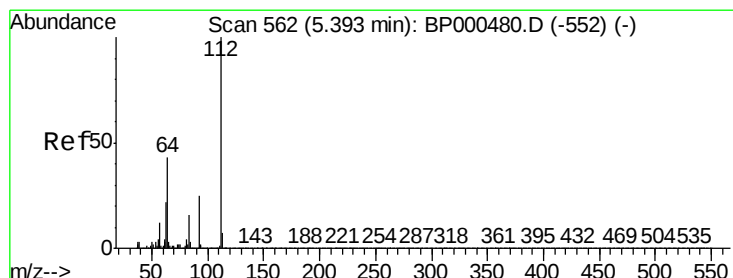
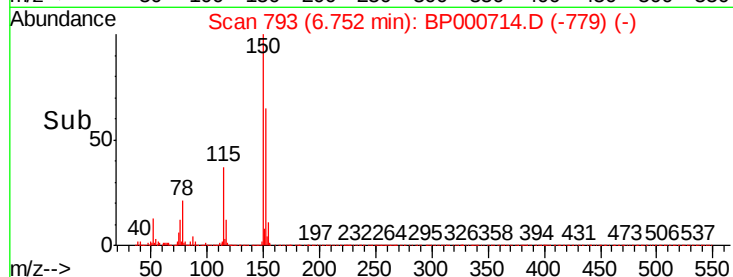
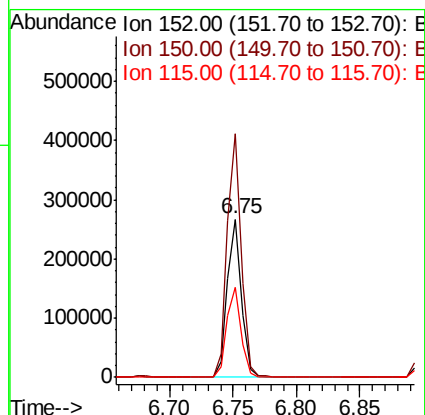
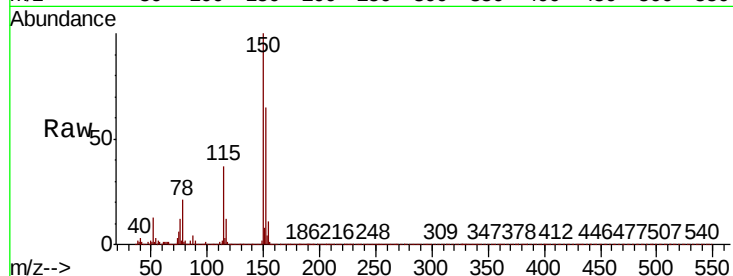


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Instrument :
BNA_P
ClientSampled :

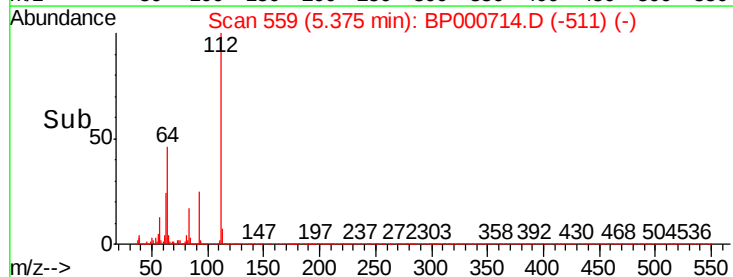
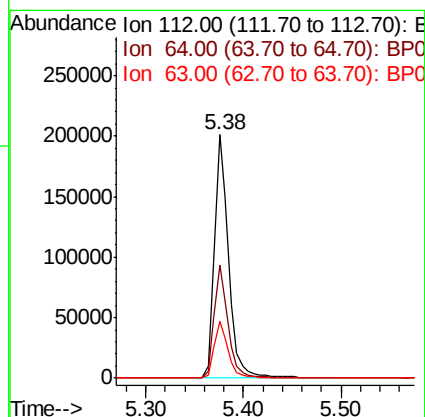
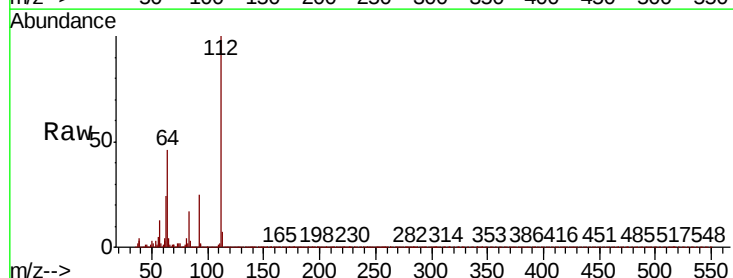
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.1	186.1
115	57.1	48.7	73.1

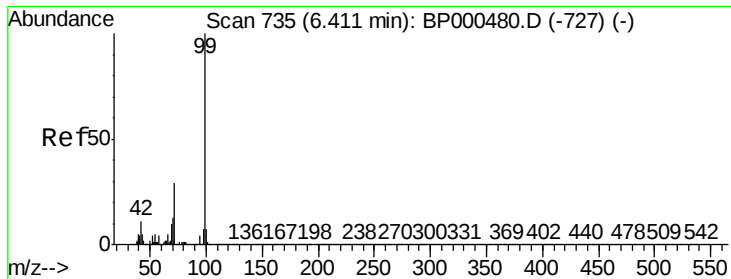


#5

2-Fluorophenol
Concen: 15.810 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.4	34.2	51.4
63	23.6	17.9	26.9





#7

Phenol-d6

Concen: 83.541 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

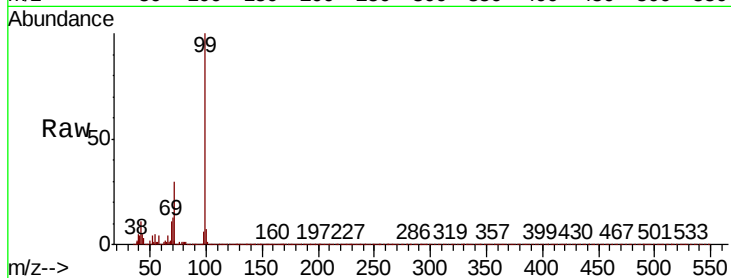
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1286929

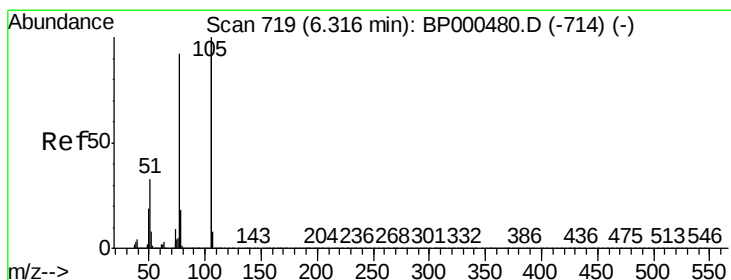
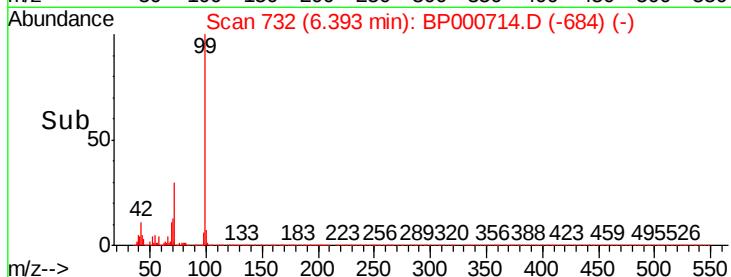
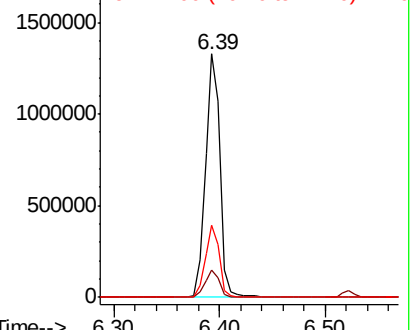
Ion	Ratio	Lower	Upper
99	100		
42	11.3	8.6	12.8
71	29.8	23.0	34.4



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



#9

Benzaldehyde

Concen: 7.413 ng

RT: 6.30 min Scan# 716

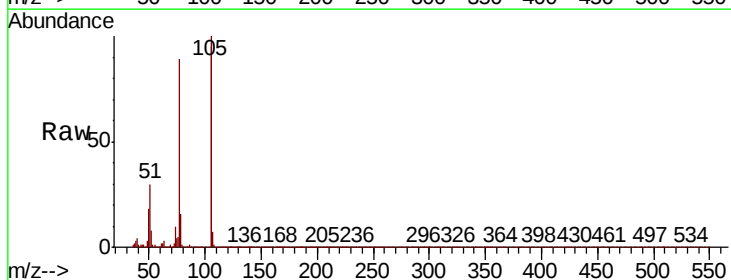
Delta R.T. -0.02 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

Tgt Ion: 77 Resp: 59479

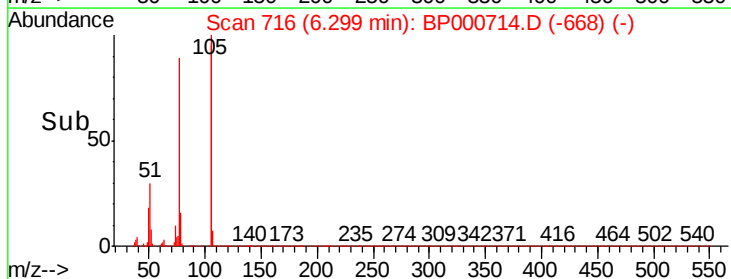
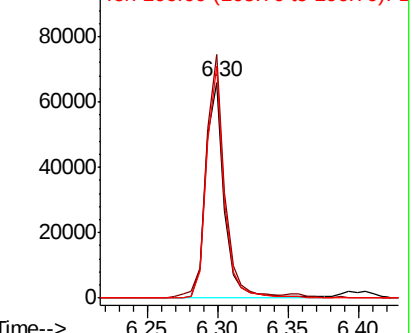
Ion	Ratio	Lower	Upper
77	100		
105	112.8	88.3	128.3
106	107.7	85.7	125.7

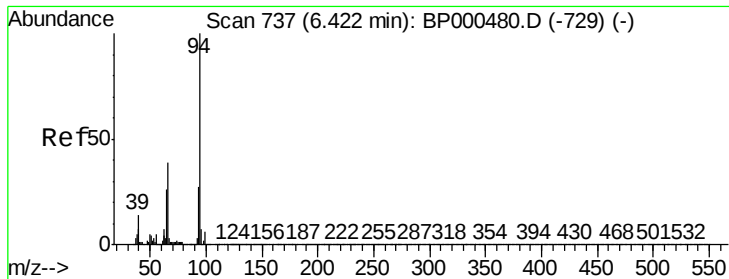


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

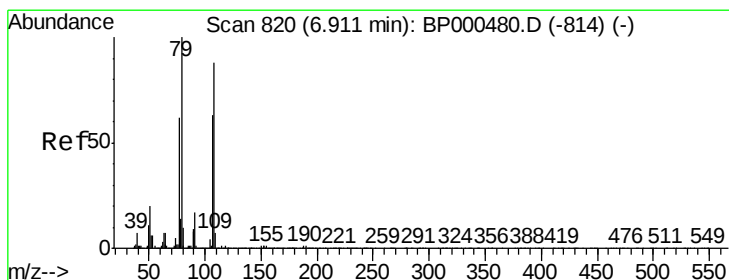
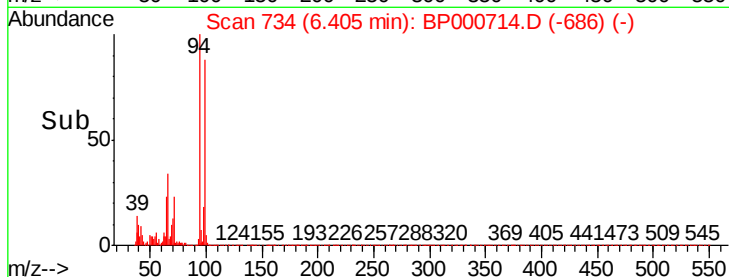
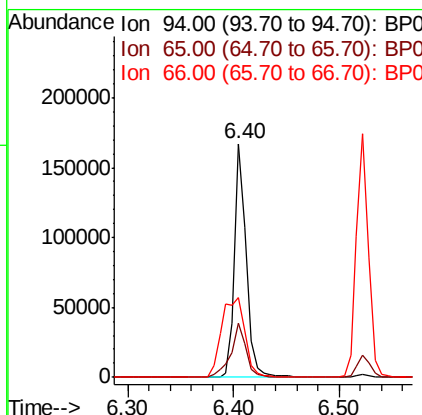
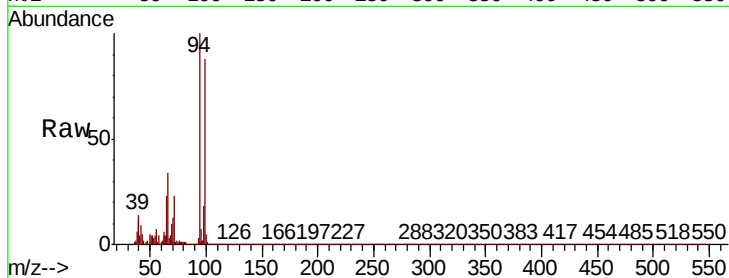




#10
Phenol
Concen: 8.051 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.02 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

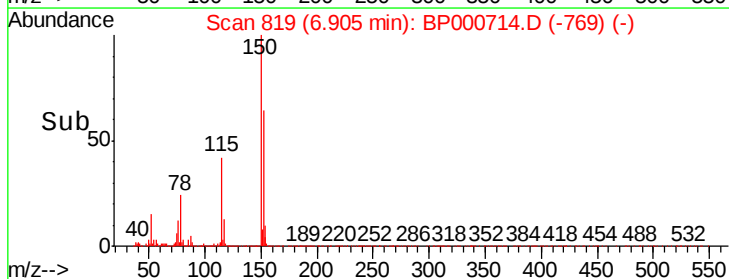
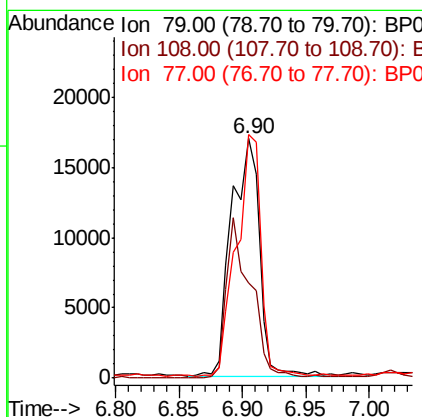
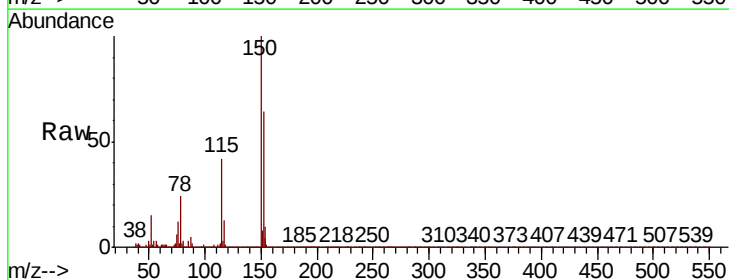
Instrument :
BNA_P
ClientSampleId :

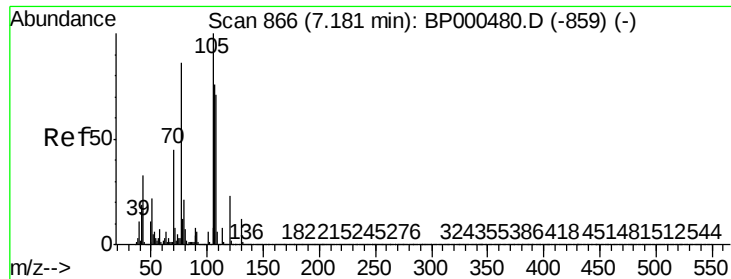
Tot Ion: 94 Resp: 126990
Ion Ratio Lower Upper
94 100
65 23.5 5.9 45.9
66 34.5 18.8 58.8



#15
Benzyl Alcohol
Concen: 2.598 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.01 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Tgt Ion: 79 Resp: 25845
Ion Ratio Lower Upper
79 100
108 39.6 70.8 106.2#
77 101.7 50.0 75.0#

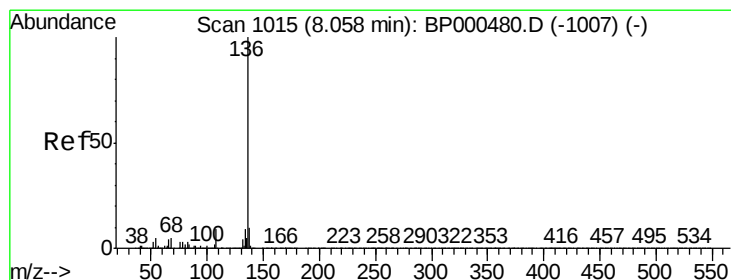
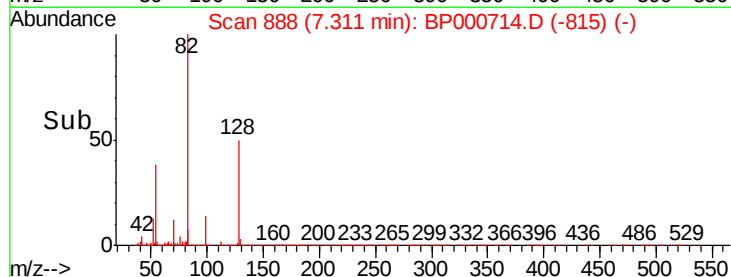
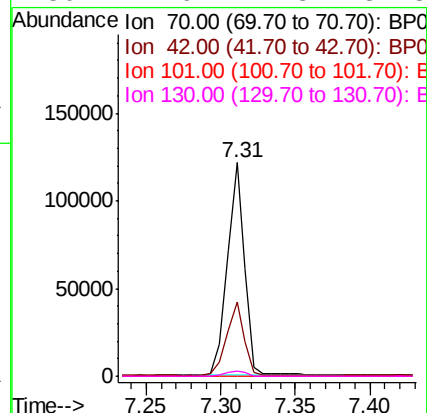
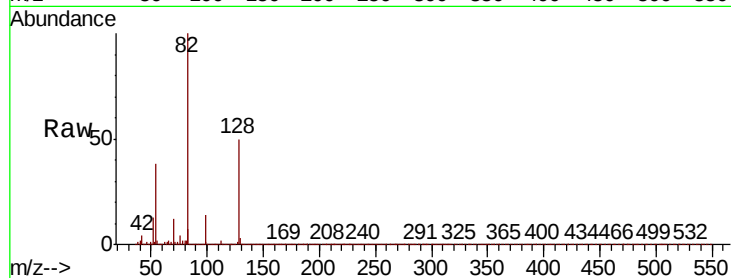




#19
n-Nitroso-di-n-propylamine
Concen: 14.070 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.13 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

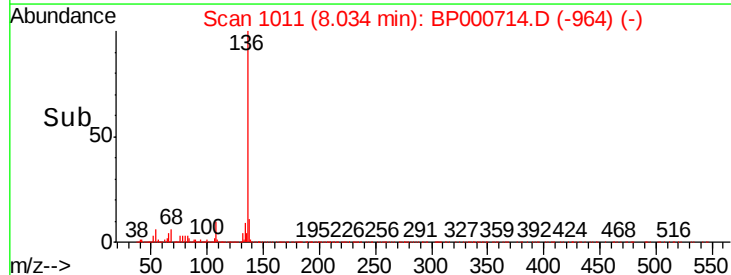
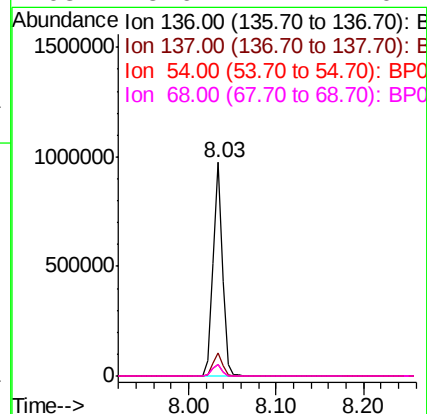
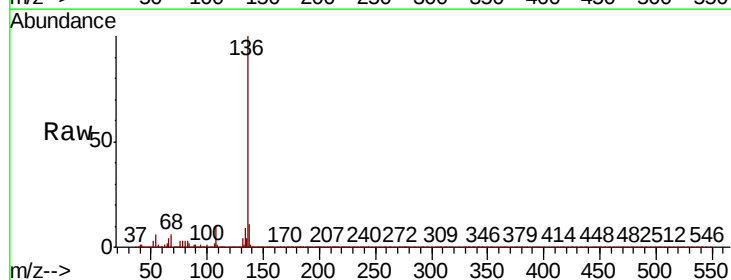
Instrument :
BNA_P
ClientSampleId :

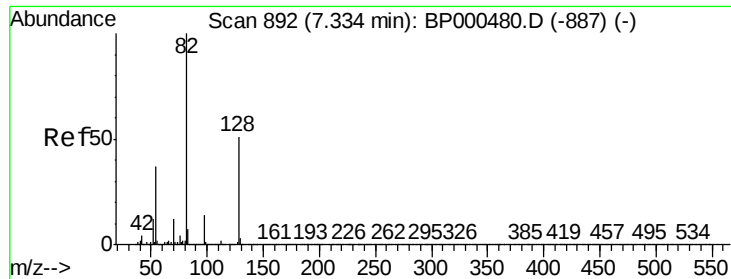
Tot Ion:	70	Resp:	99907
Ion Ratio	Lower	Upper	
70	100		
42	34.6	33.2	49.8
101	0.2	9.9	14.9#
130	2.6	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Tgt Ion:	136	Resp:	734337
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.2	12.4
54	5.5	4.1	6.1
68	5.6	4.1	6.1

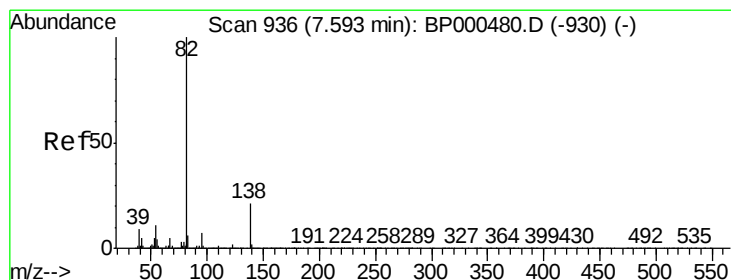
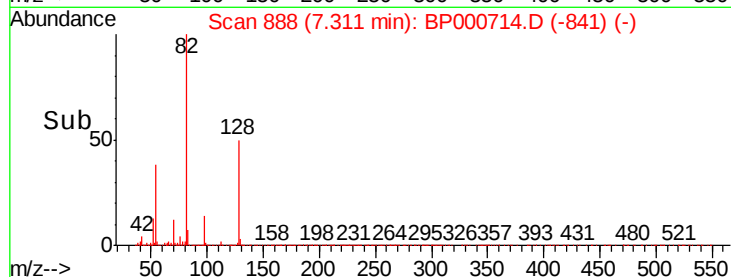
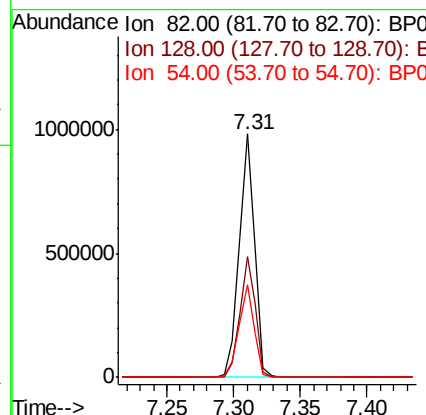
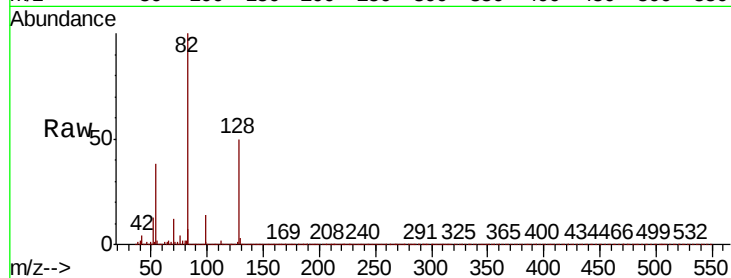




#23
 Nitrobenzene-d5
 Concen: 66.864 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BP000714.D
 Acq: 14 Oct 2019 16:42

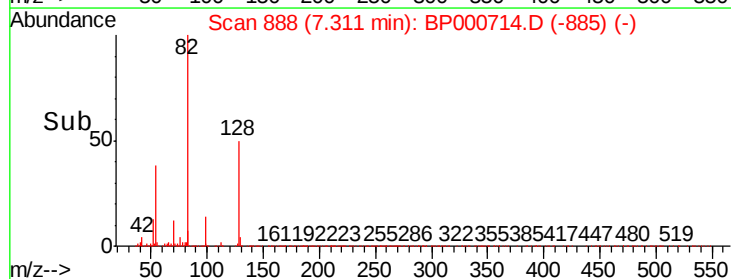
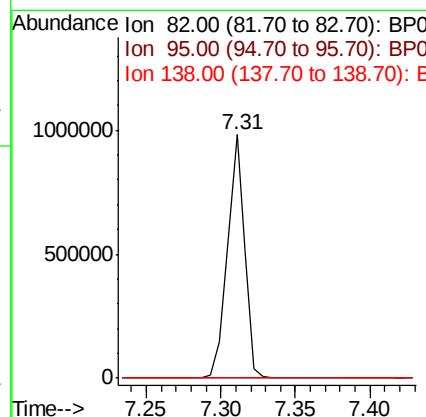
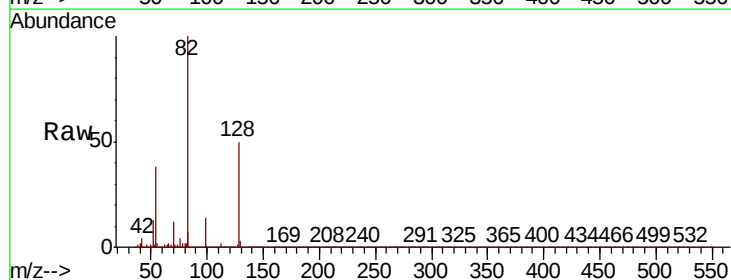
Instrument :
 BNA_P
 ClientSampleId :

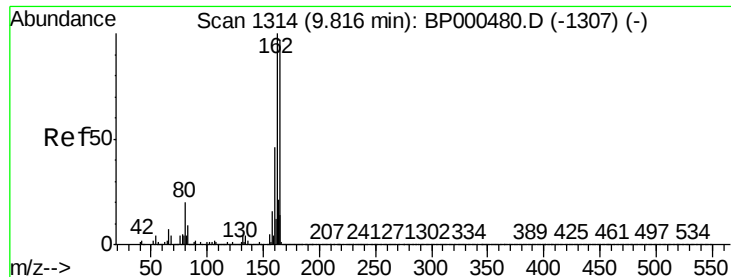
Tot Ion:	82	Resp:	803942
Ion	Ratio	Lower	Upper
82	100		
128	49.5	40.9	61.3
54	38.0	29.4	44.2



#25
 Isophorone
 Concen: 37.638 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BP000714.D
 Acq: 14 Oct 2019 16:42

Tgt Ion:	82	Resp:	803159
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	17.0	25.4#

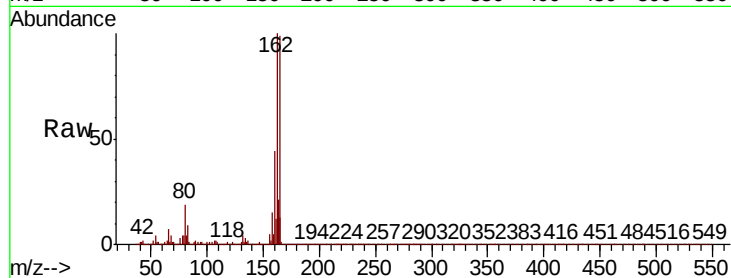




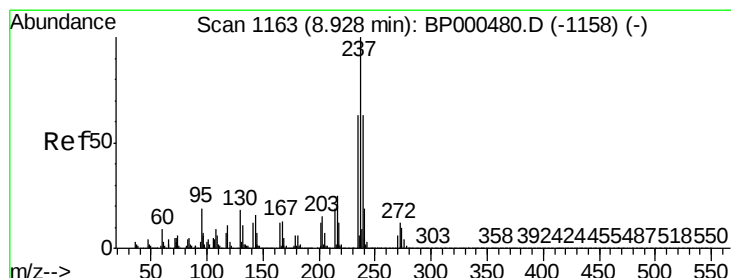
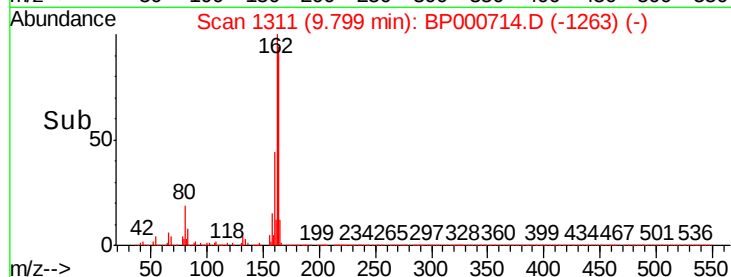
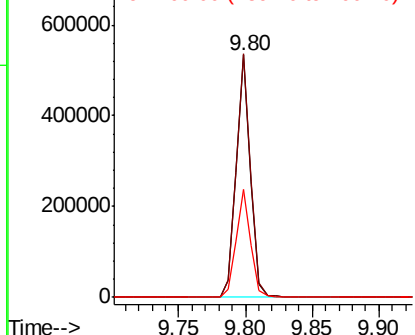
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Instrument :
BNA_P
ClientSampleId :

Tot Ion:164 Resp: 401326
Ion Ratio Lower Upper
164 100
162 100.5 82.2 123.2
160 44.4 37.6 56.4

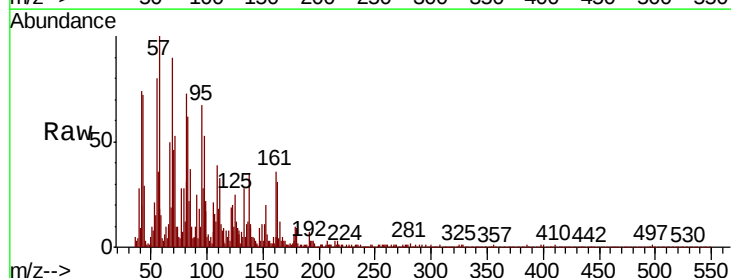


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

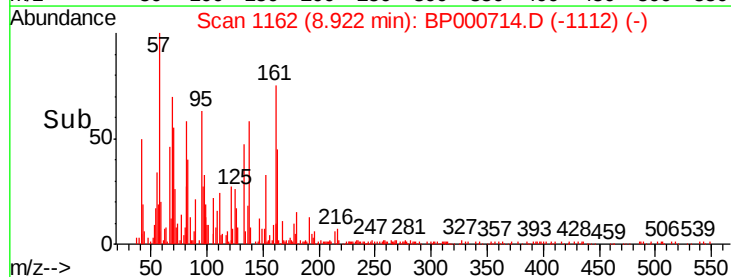
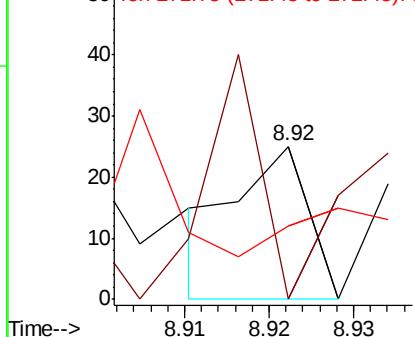


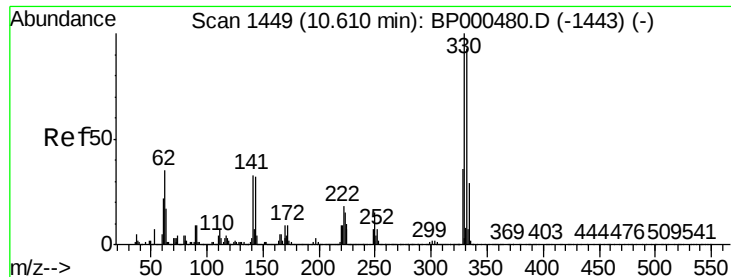
#41
Hexachlorocyclopentadiene
Concen: 7.300 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Tgt Ion:237 Resp: 14
Ion Ratio Lower Upper
237 100
235 32.0 42.9 82.9#
272 48.0 0.0 32.4#



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





#42

2,4,6-Tribromophenol

Concen: 2.035 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

Instrument :

BNA_P

ClientSampleId :

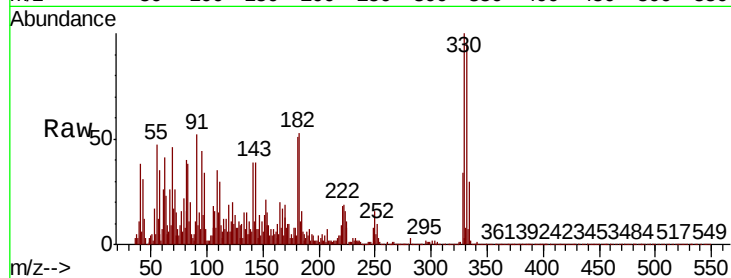
Tot Ion:330 Resp: 8702

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

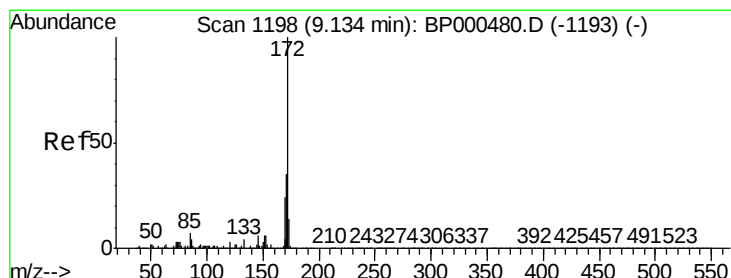
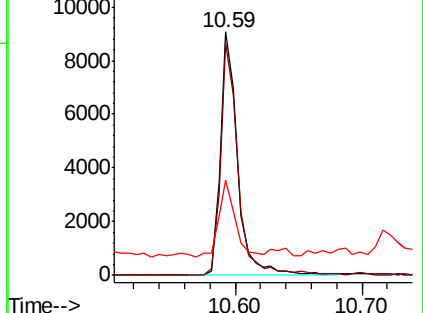
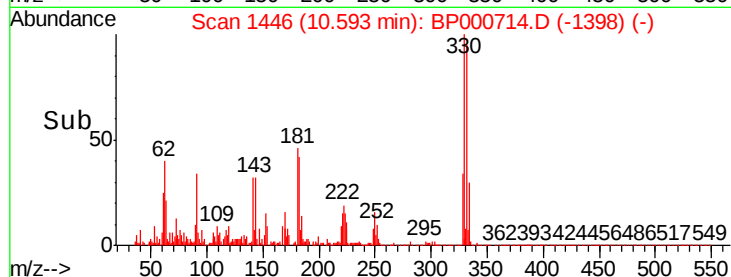
141 29.8 26.0 39.0



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 56.970 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

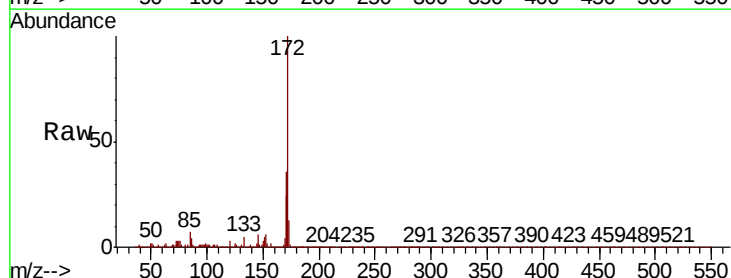
Tgt Ion:172 Resp: 1413070

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

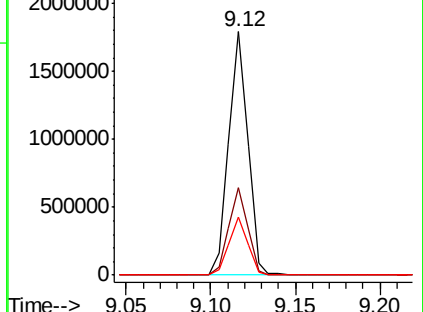
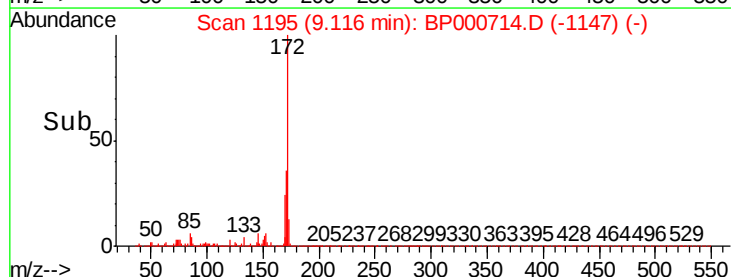
170 23.6 19.1 28.7

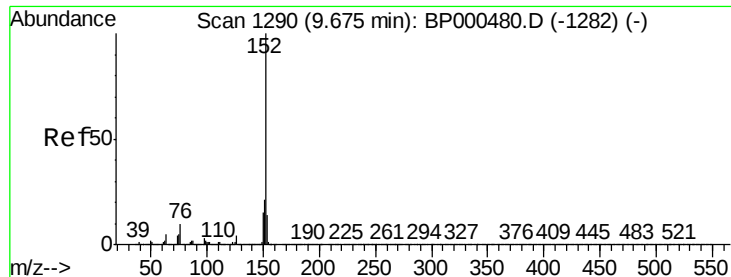


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.114 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

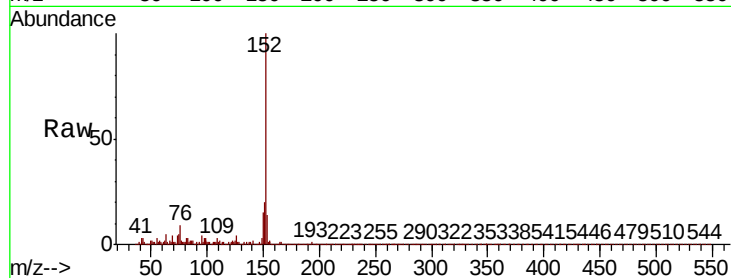
Instrument :

BNA_P

ClientSampleId :

Tot Ion:152 Resp: 74699

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0
153	13.6	11.0	16.6

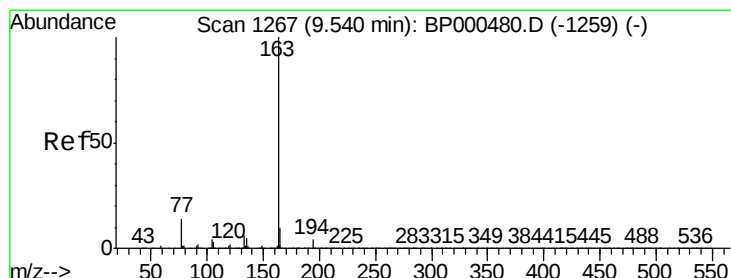
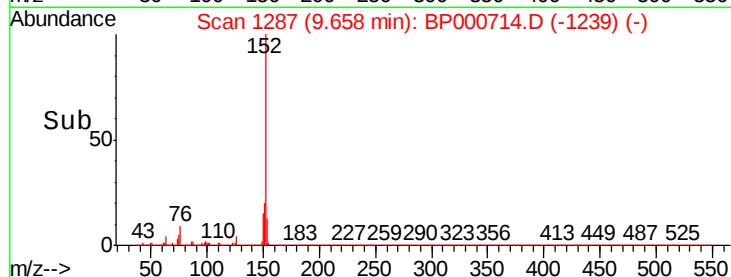
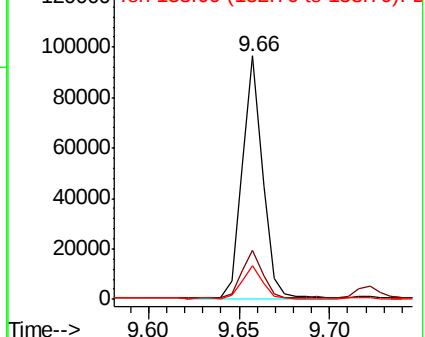


Abundance

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



#50

Dimethylphthalate

Concen: 11.189 ng

RT: 9.51 min Scan# 1262

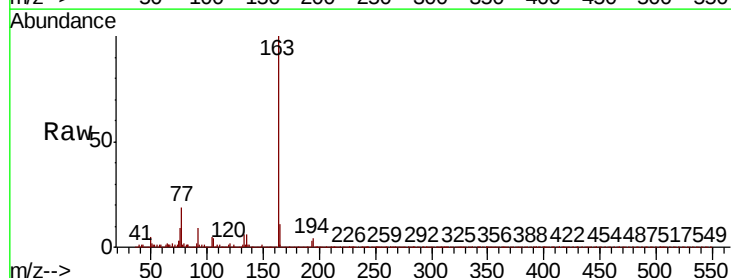
Delta R.T. -0.03 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

Tgt Ion:163 Resp: 312023

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.7	8.0	12.0

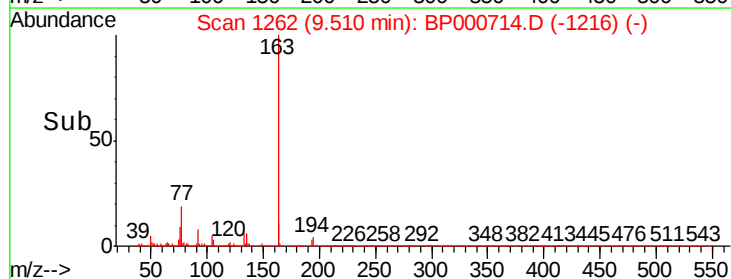
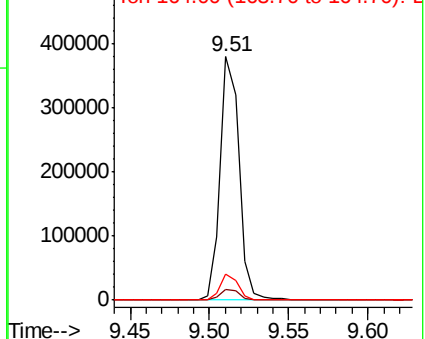


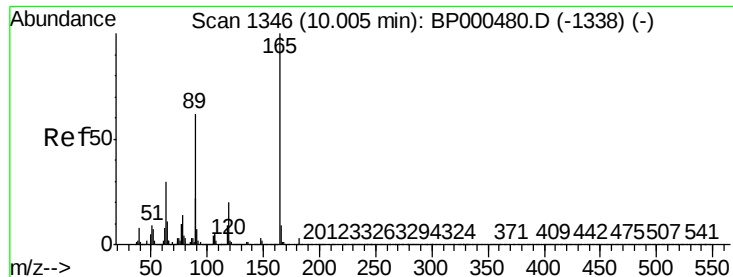
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

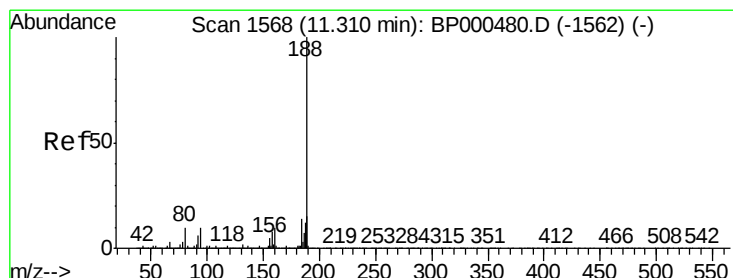
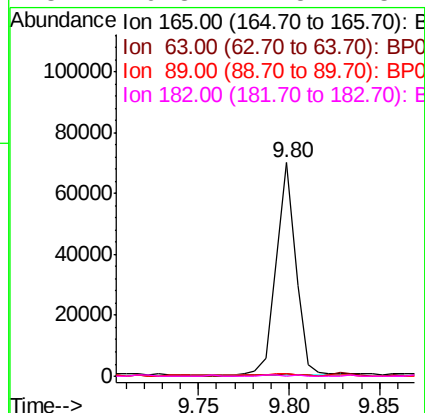
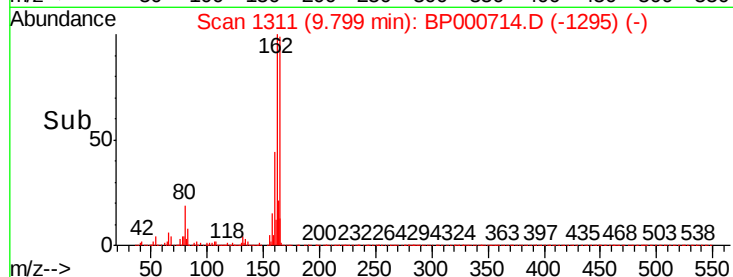
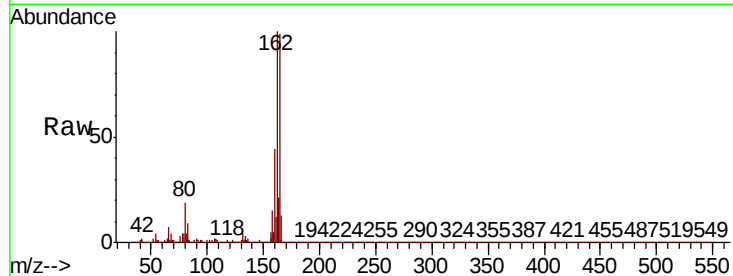




#57
2,4-Dinitrotoluene
Concen: 6.563 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

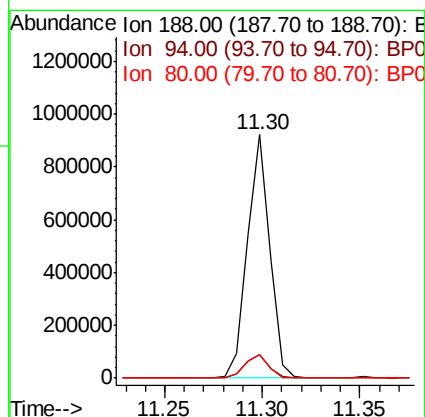
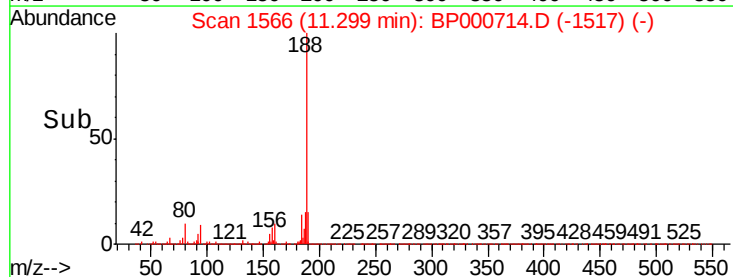
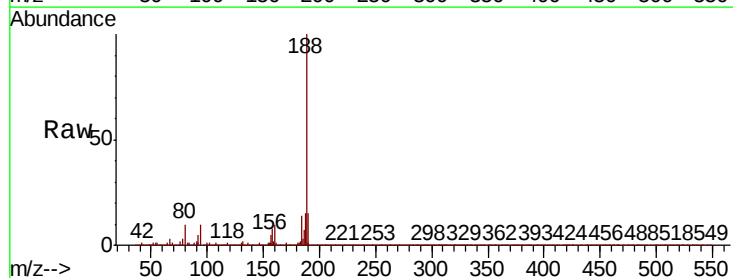
Instrument :
BNA_P
ClientSampleId :

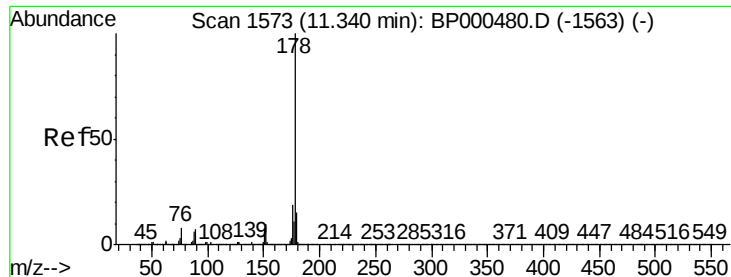
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	24.2	36.4#
89	1.2	49.4	74.0#
182	0.3	2.5	3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.2
80	9.6	8.3	12.5





#71

Phenanthrene

Concen: 3.294 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

Instrument :

BNA_P

ClientSampleId :

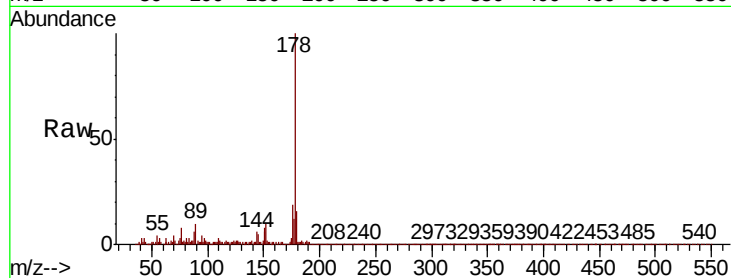
Tot Ion:178 Resp: 120739

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

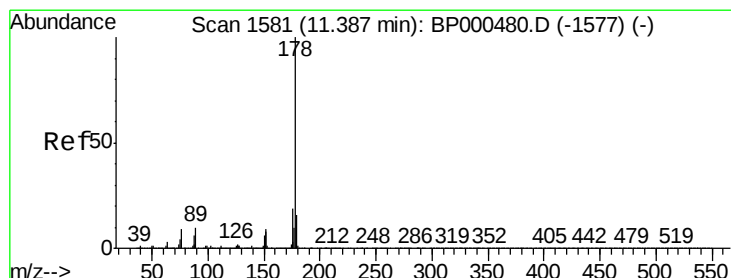
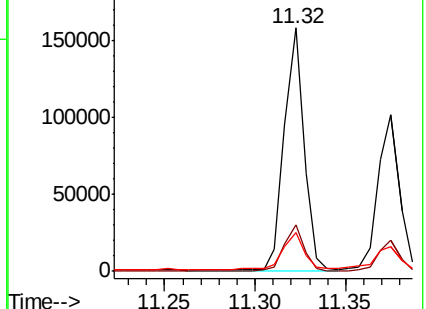
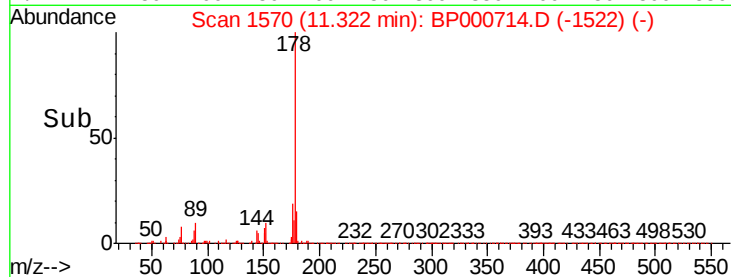
179 16.0 12.2 18.4



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: 2.251 ng

RT: 11.38 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

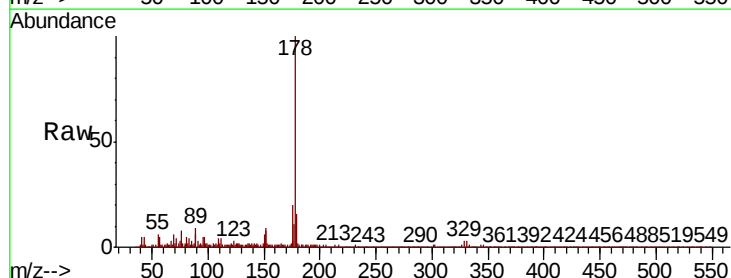
Tgt Ion:178 Resp: 81791

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

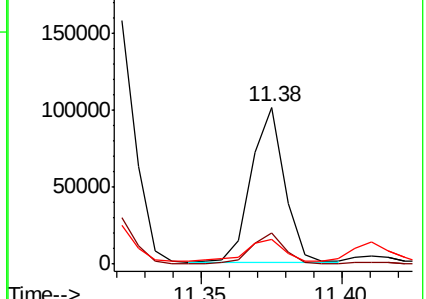
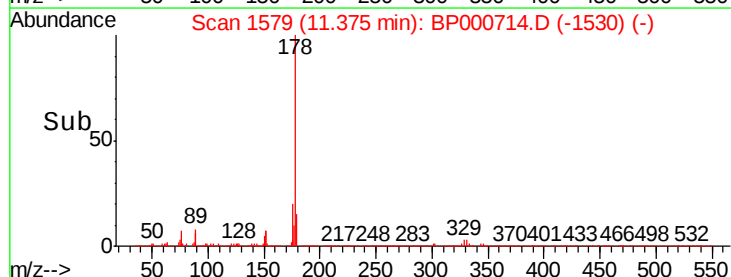
179 16.0 12.6 19.0

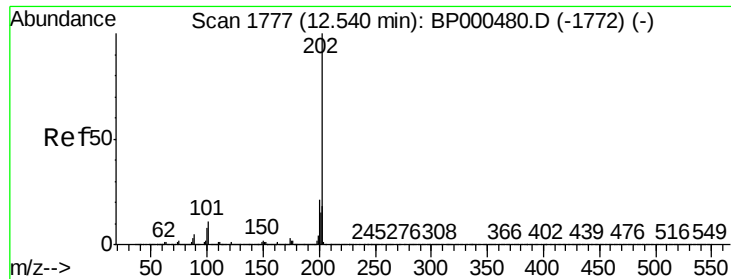


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.920 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BP000714.D

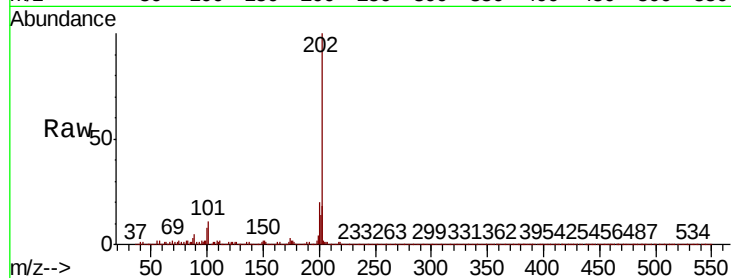
Acq: 14 Oct 2019 16:42

Instrument :

BNA_P

ClientSampleId :

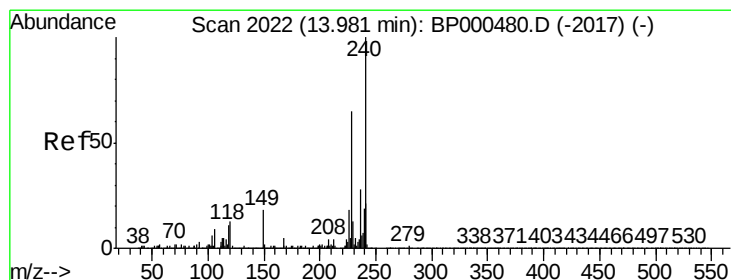
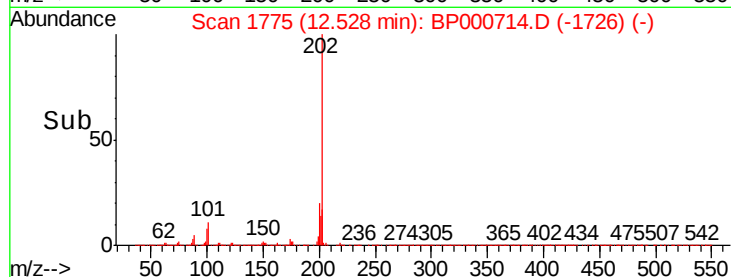
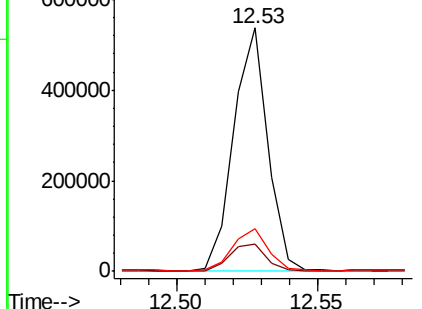
Tot Ion:	202	Resp:	449521
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.3
203	17.6	0.0	38.1



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

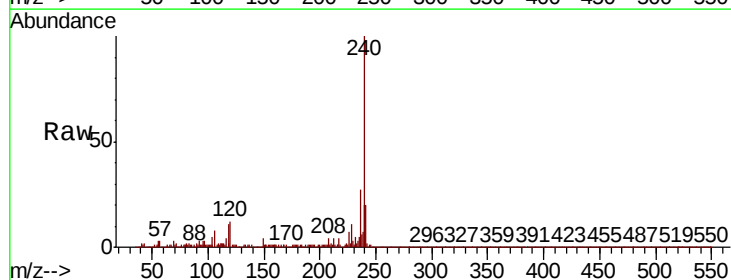
RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

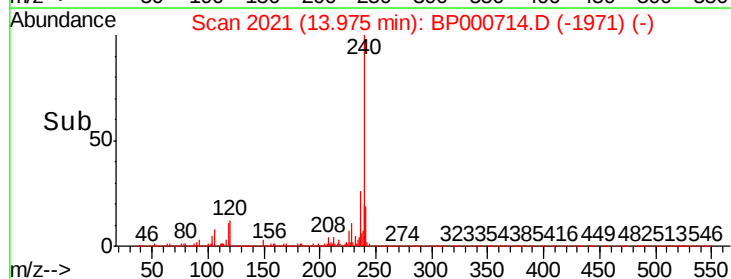
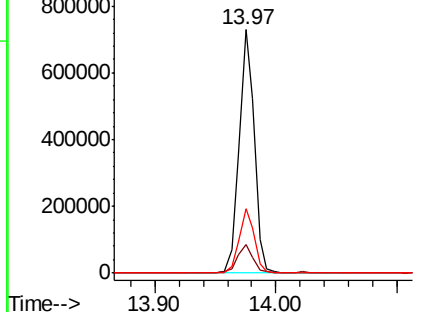
Tgt Ion:	240	Resp:	634443
Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.1	15.1
236	26.6	22.7	34.1

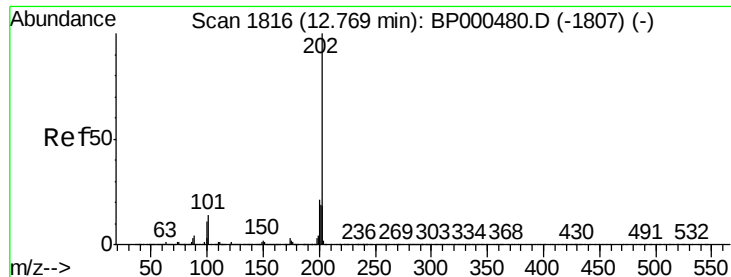


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

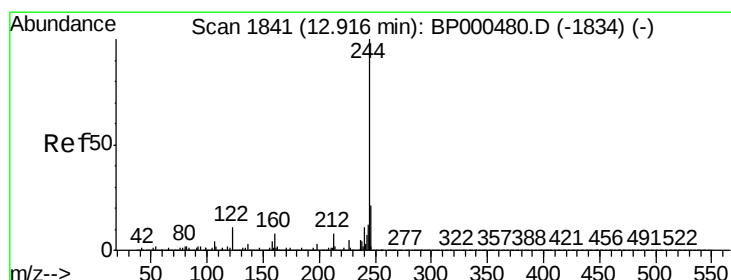
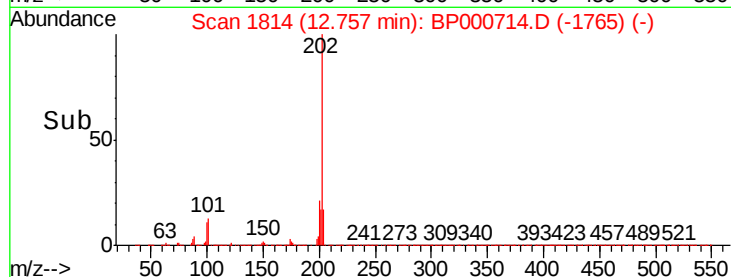
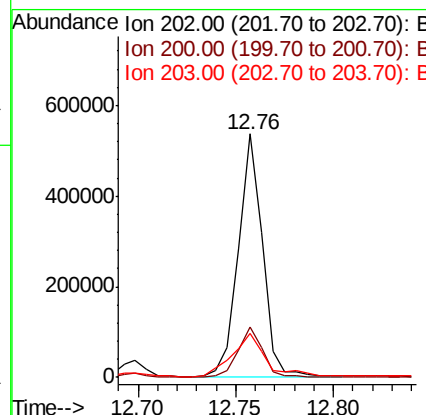
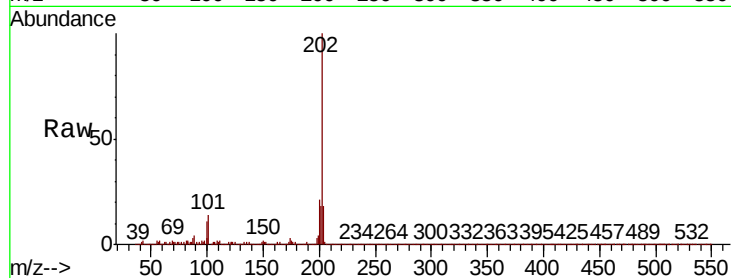




#78
Pvrene
Concen: 10.459 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

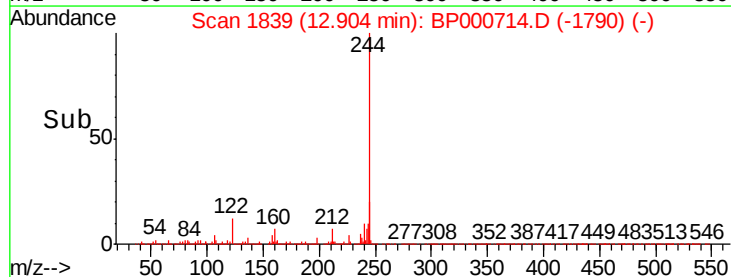
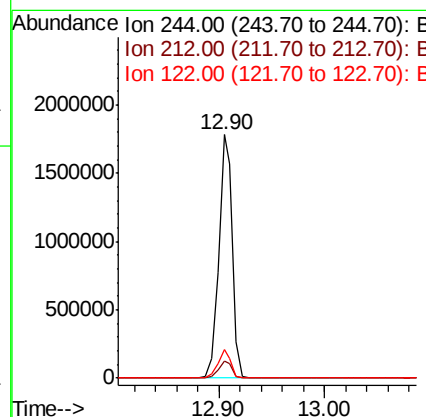
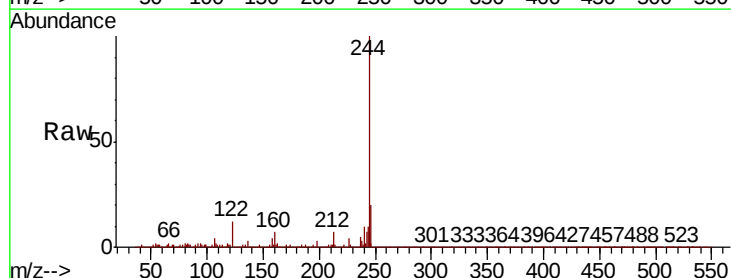
Instrument :
BNA_P
ClientSampleId :

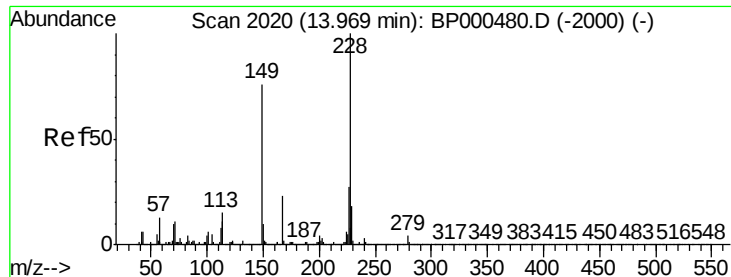
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	18.1	14.6	21.8



#79
Terphenyl-d14
Concen: 51.749 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.9	8.9	13.3





#81

Benzo(a)anthracene

Concen: 7.109 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

Instrument :

BNA_P

ClientSampleId :

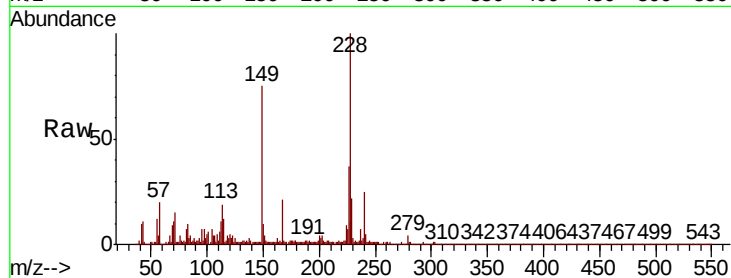
Tot Ion:228 Resp: 275200

Ion Ratio Lower Upper

228 100

226 37.3 21.4 32.2#

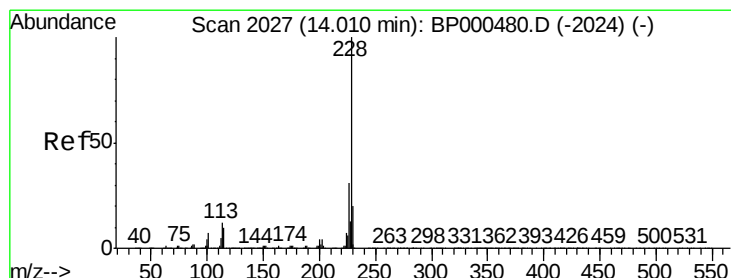
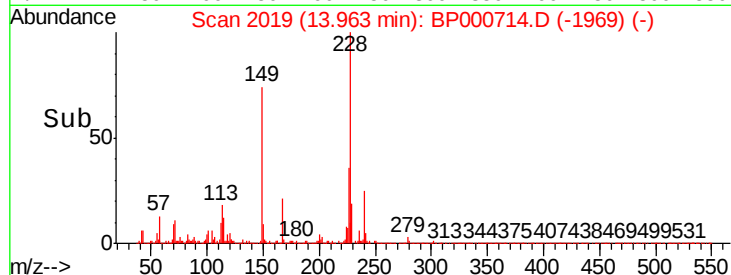
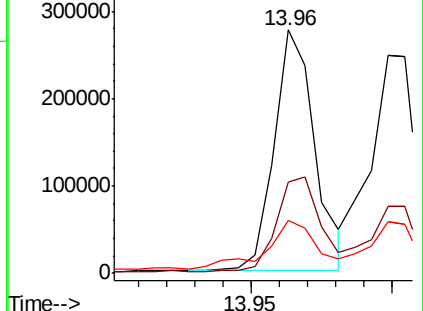
229 21.6 14.7 22.1



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: 7.210 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

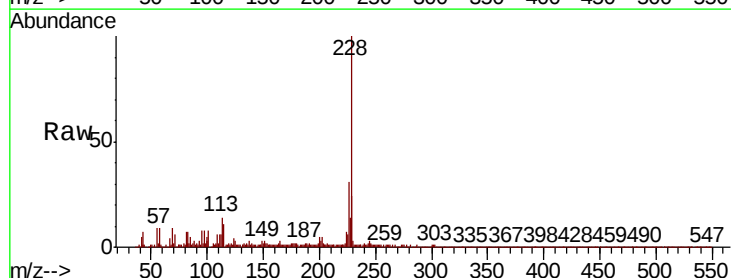
Tgt Ion:228 Resp: 273936

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

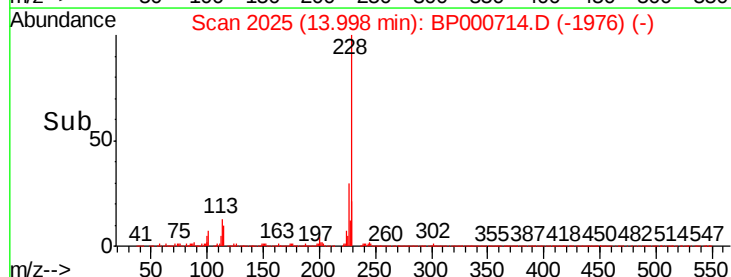
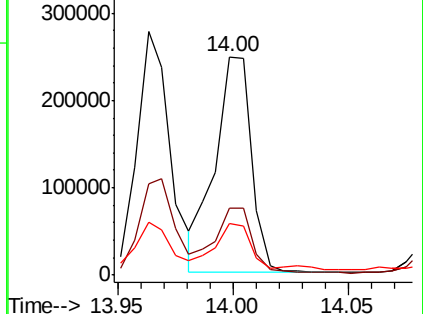
229 23.8 16.3 24.5

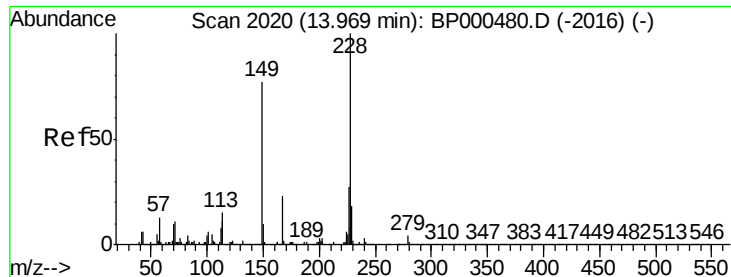


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.947 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

Instrument :

BNA_P

ClientSampleId :

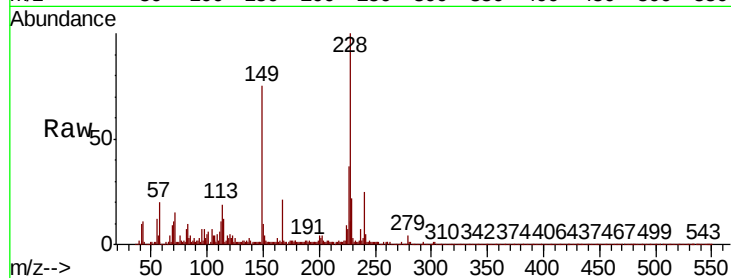
Tot Ion:149 Resp: 166607

Ion Ratio Lower Upper

149 100

167 28.3 23.6 35.4

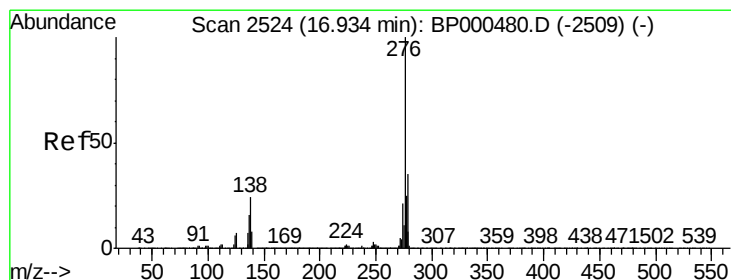
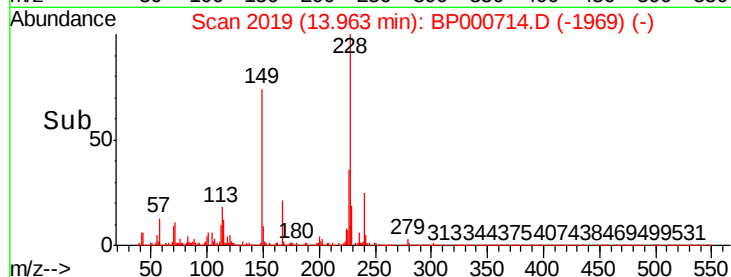
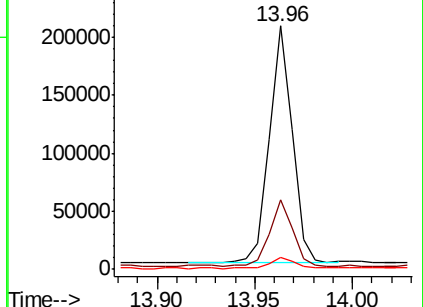
279 5.0 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.716 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

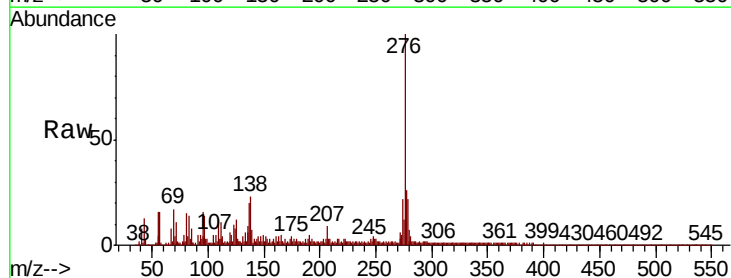
Tgt Ion:276 Resp: 176342

Ion Ratio Lower Upper

276 100

138 21.8 20.9 31.3

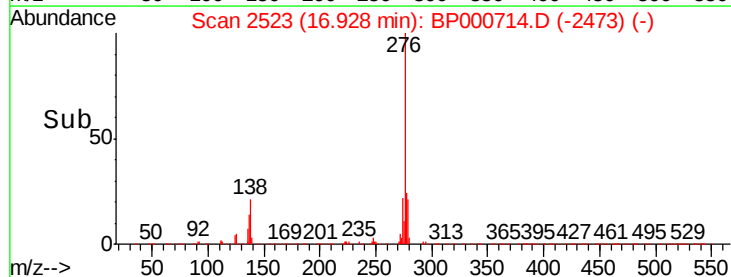
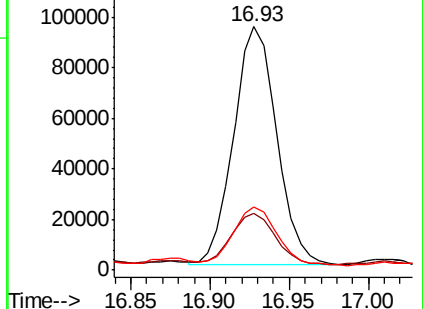
277 25.2 20.6 30.8

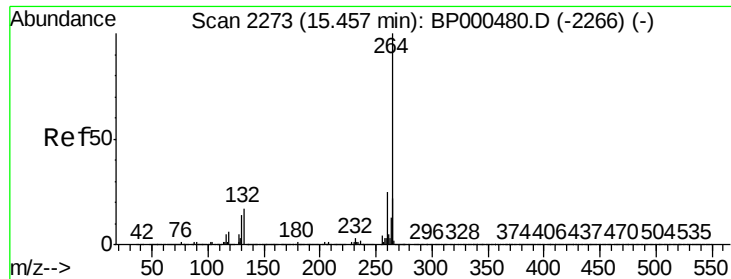


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

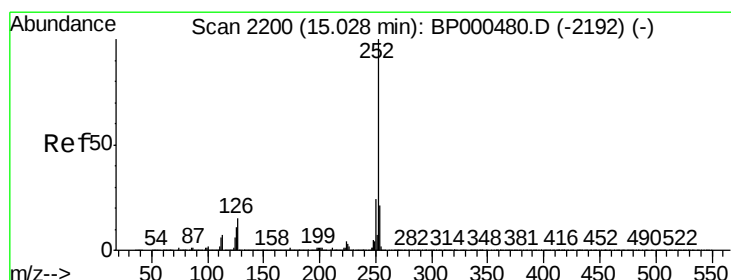
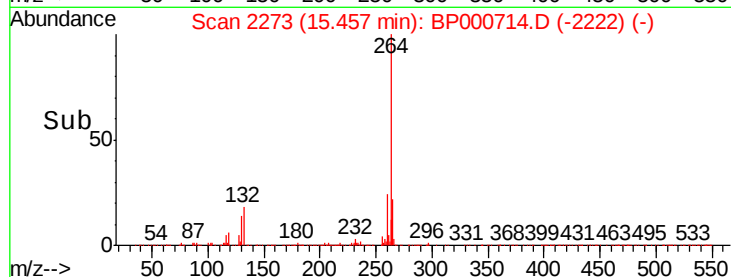
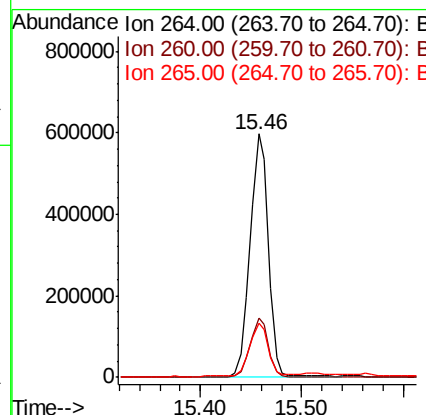
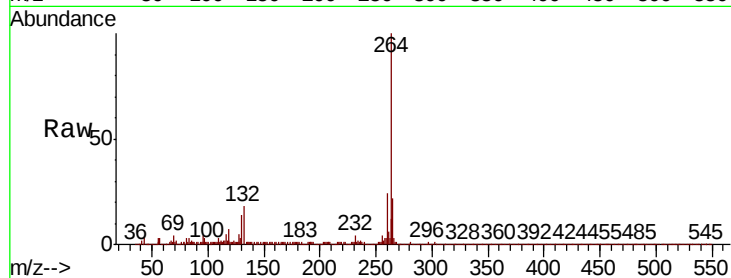




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

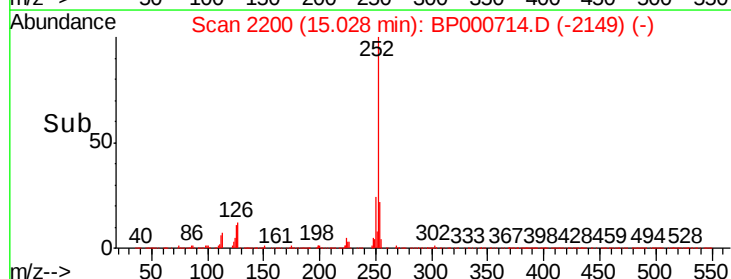
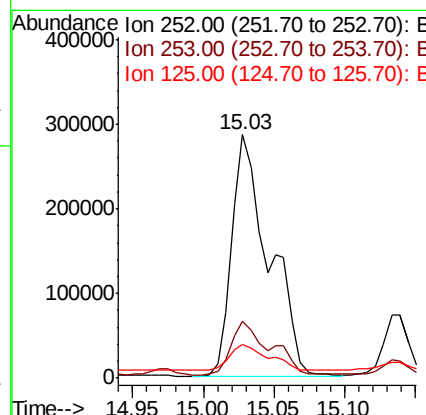
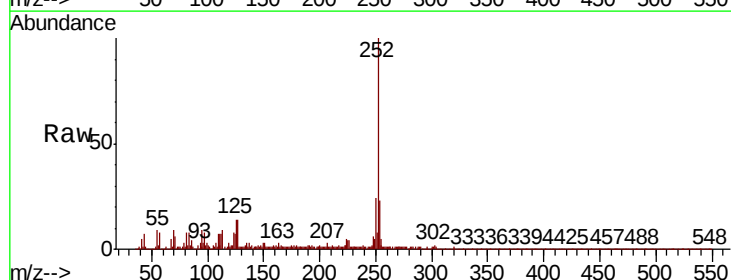
Instrument :
BNA_P
ClientSampleId :

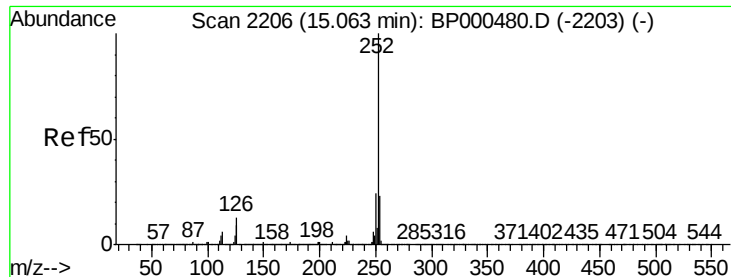
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.3	30.5
265	22.5	18.0	27.0



#88
Benzo(b)fluoranthene
Concen: 12.469 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.4
125	13.8	8.9	13.3#

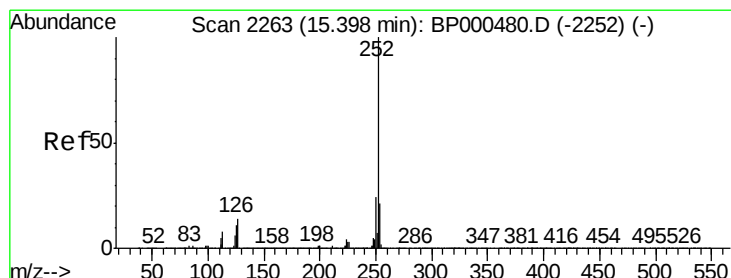
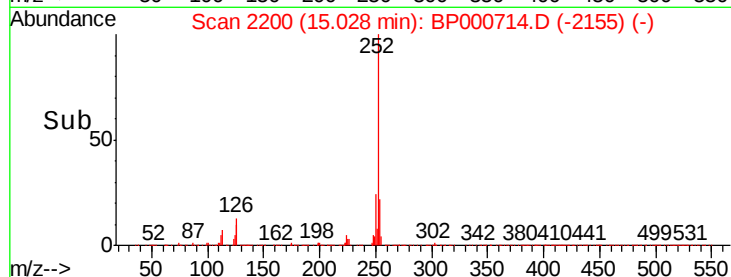
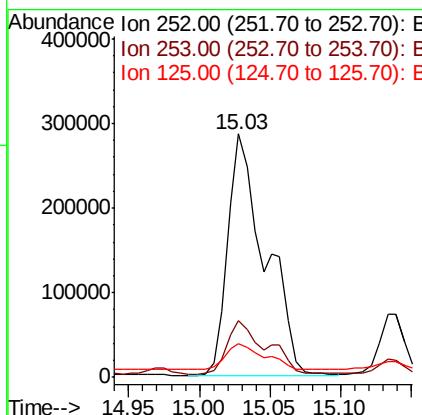
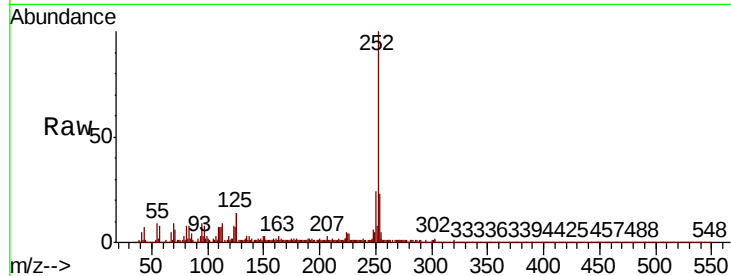




#89
Benzo(k)fluoranthene
Concen: 13.097 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

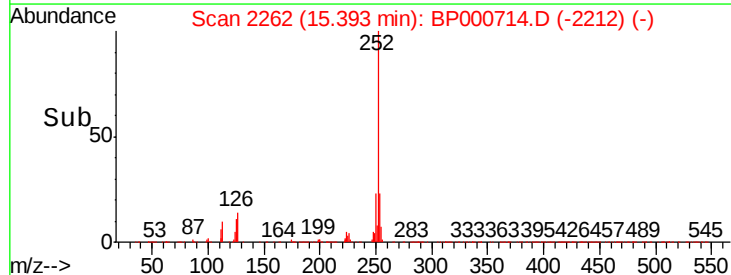
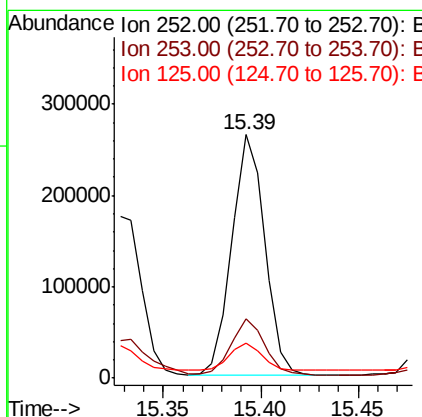
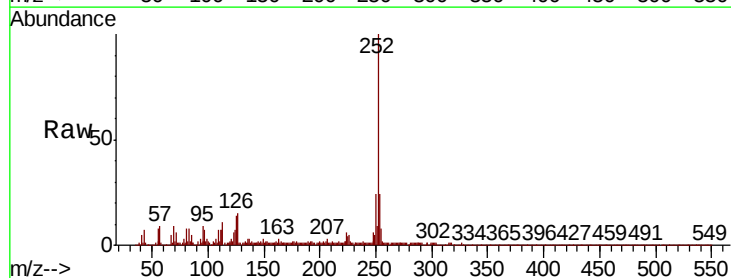
Instrument :
BNA_P
ClientSampleId :

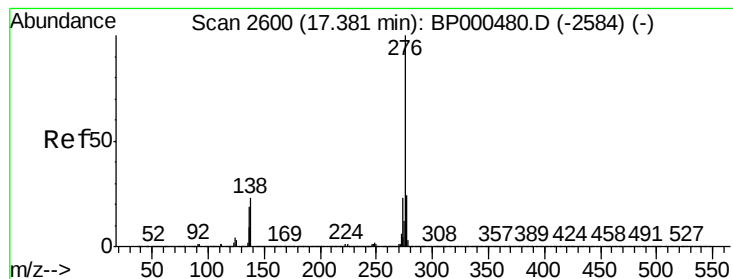
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	13.8	7.8	11.8



#90
Benzo(a)pyrene
Concen: 7.865 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP000714.D
Acq: 14 Oct 2019 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	14.2	8.4	12.6





#92

Benzo(a,h,i)perylene

Concen: 4.350 ng

RT: 17.37 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BP000714.D

Acq: 14 Oct 2019 16:42

Instrument :

BNA_P

ClientSampleId :

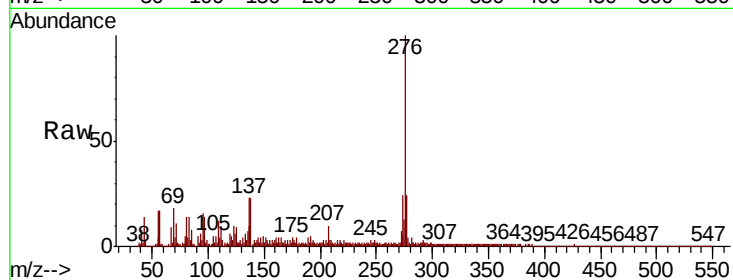
Tot Ion: 276 Resp: 168811

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 22.8 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

