

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000713.D
 Acq On : 14 Oct 2019 16:18
 Operator : JU
 Sample : K5348-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 02:43:53 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	201220	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	722329	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	395405	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	718936	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	612215	20.00	ng	0.00
87) Perylene-d12	15.46	264	724138	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	204293	16.32	ng	-0.02
7) Phenol-d6	6.39	99	1215772	80.60	ng	-0.02
23) Nitrobenzene-d5	7.31	82	816899	69.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	8155	1.94	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1532842	62.72	ng	-0.02
79) Terphenyl-d14	12.90	244	1669289	55.21	ng	-0.01

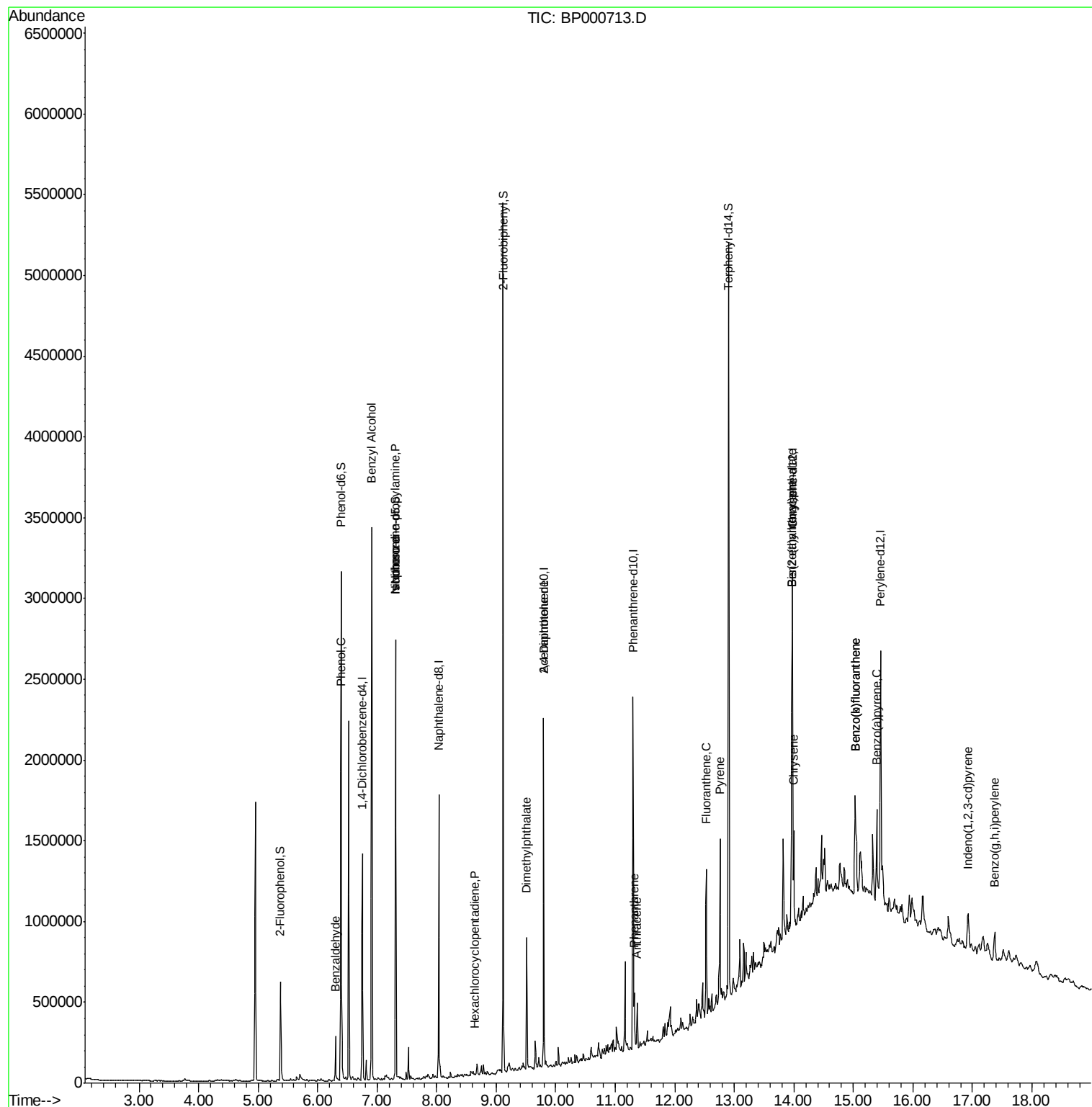
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	54115	6.887	ng	95
10) Phenol	6.40	94	98656	6.388	ng	94
15) Benzyl Alcohol	6.90	79	19559	2.008	ng	# 49
19) n-Nitroso-di-n-propylamine	7.31	70	99509	14.311	ng	# 74
25) Isophorone	7.31	82	815773	38.864	ng	# 61
41) Hexachlorocyclopentadiene	8.63	237	5	7.298	ng	89
50) Dimethylphthalate	9.51	163	317420	11.553	ng	99
57) 2,4-Dinitrotoluene	9.80	165	51786	6.519	ng	# 32
71) Phenanthrene	11.32	178	105087	2.910	ng	98
72) Anthracene	11.37	178	73627	2.057	ng	99
75) Fluoranthene	12.53	202	346201	8.537	ng	100
78) Pvrene	12.76	202	386269	9.148	ng	99
81) Benzo(a)anthracene	13.96	228	236182	6.323	ng	# 84
83) Chrysene	14.00	228	247220	6.743	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	148342	6.410	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	147733	3.226	ng	95
88) Benzo(b)fluoranthene	15.03	252	449340	10.938	ng	# 94
89) Benzo(k)fluoranthene	15.03	252	449340	11.489	ng	# 95
90) Benzo(a)pvrene	15.39	252	265247	6.926	ng	# 93
92) Benzo(a,h,i)perylene	17.37	276	148935	3.946	ng	97

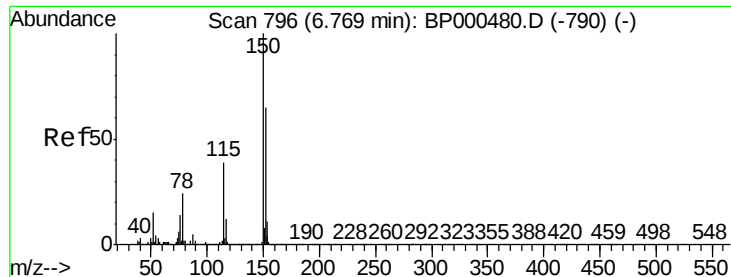
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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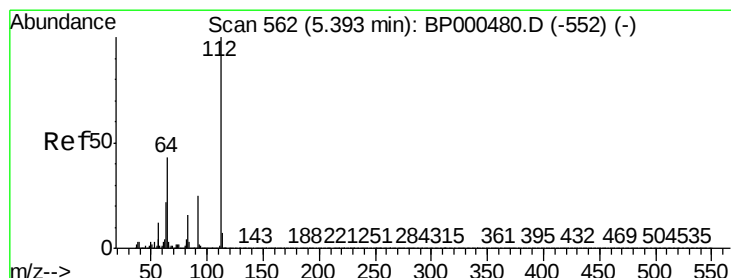
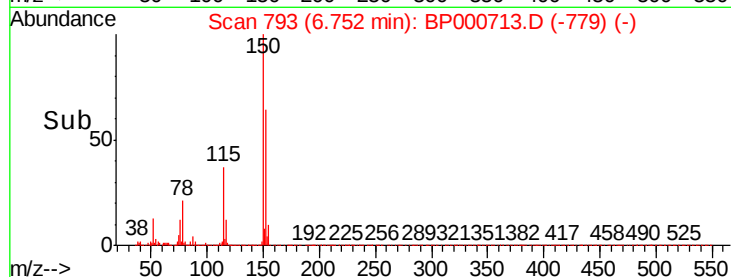
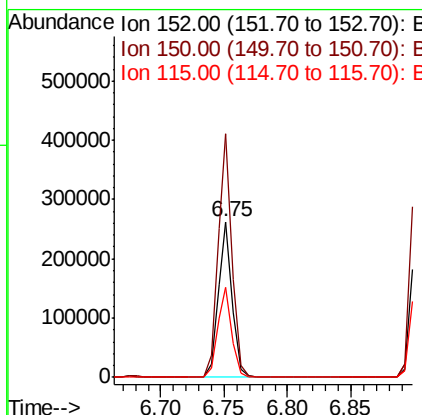
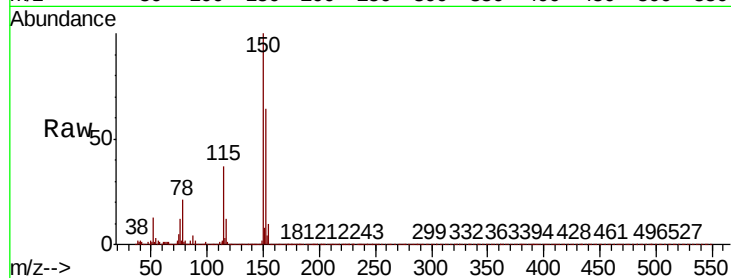


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Instrument :
BNA_P
ClientSampleId :

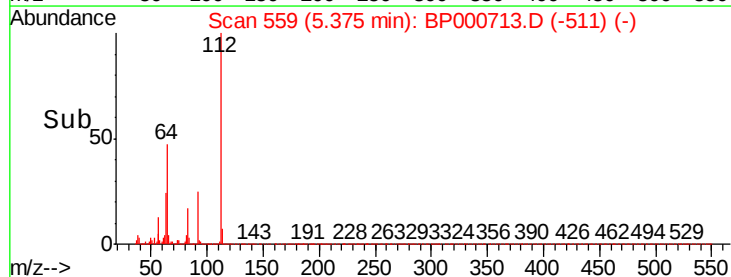
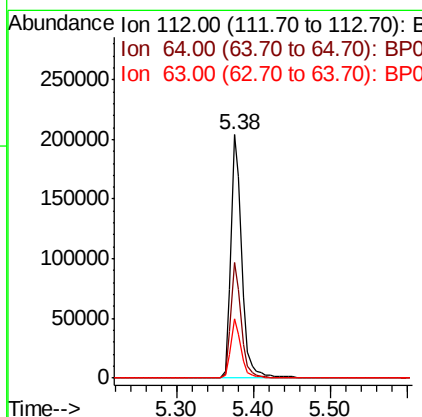
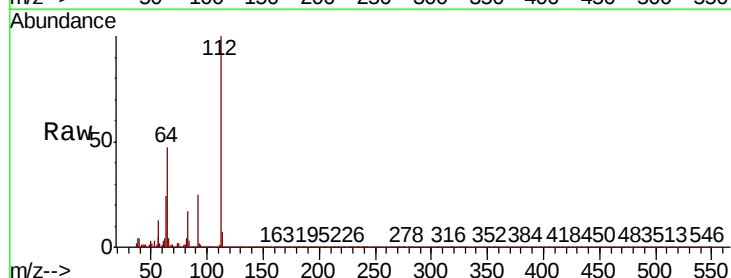
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.1	186.1
115	57.9	48.7	73.1

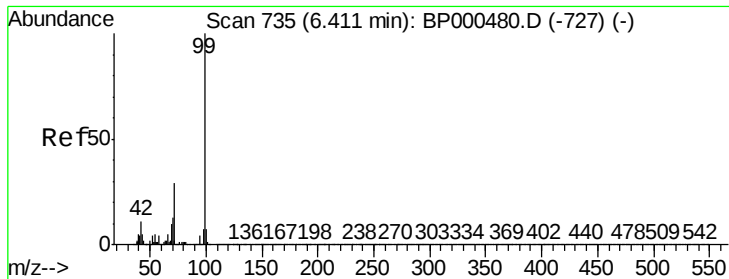


#5

2-Fluorophenol
Concen: 16.320 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.4	34.2	51.4
63	24.5	17.9	26.9





#7

Phenol-d6

Concen: 80.596 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

Instrument :

BNA_P

ClientSampleId :

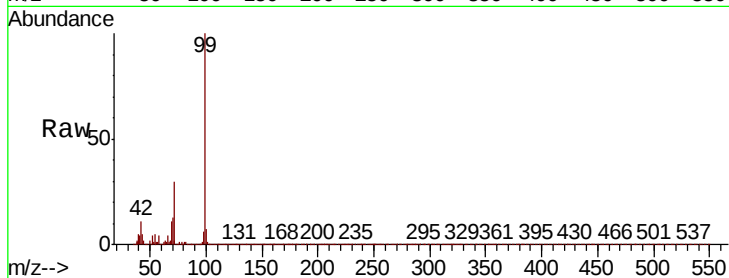
Tot Ion: 99 Resp: 1215772

Ion Ratio Lower Upper

99 100

42 11.2 8.6 12.8

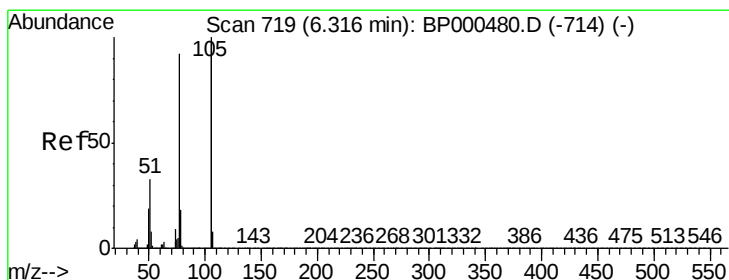
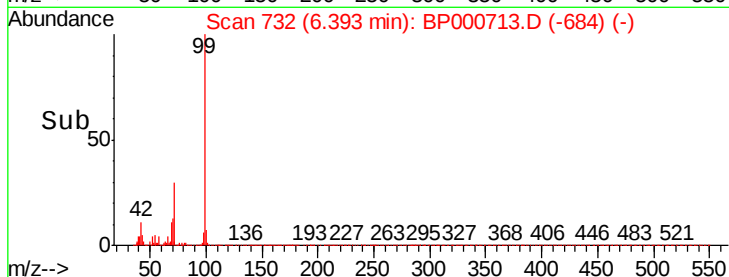
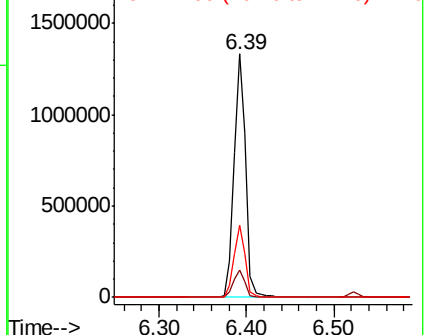
71 29.6 23.0 34.4



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: 6.887 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

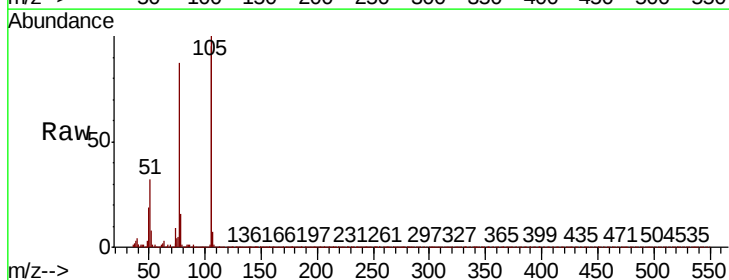
Tgt Ion: 77 Resp: 54115

Ion Ratio Lower Upper

77 100

105 114.8 88.3 128.3

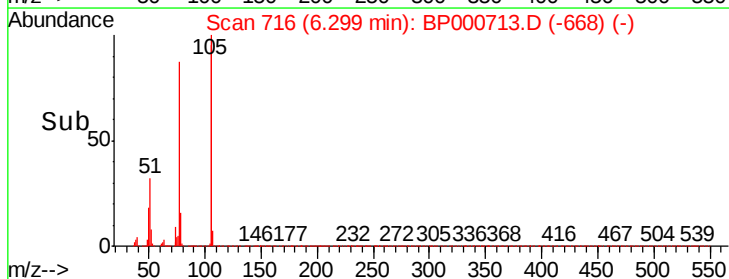
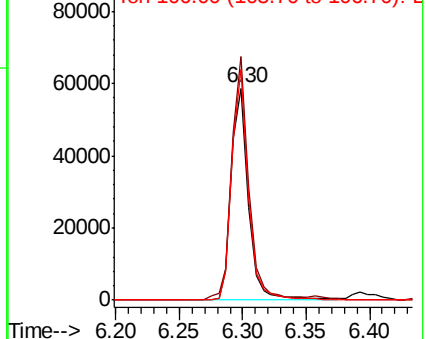
106 109.1 85.7 125.7

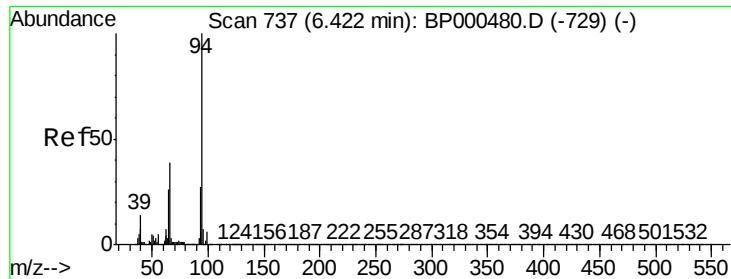


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.388 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

Instrument :

BNA_P

ClientSampleId :

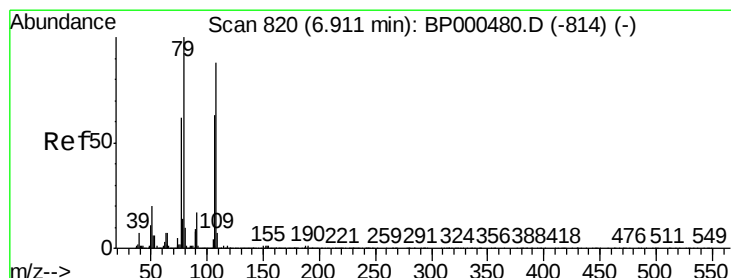
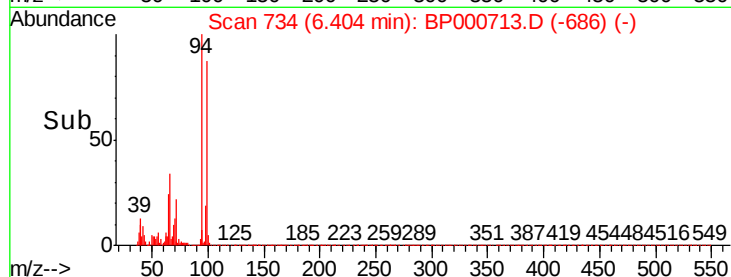
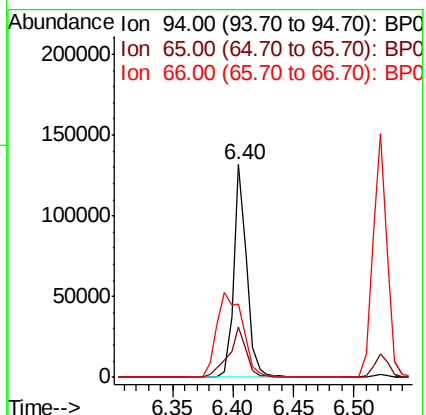
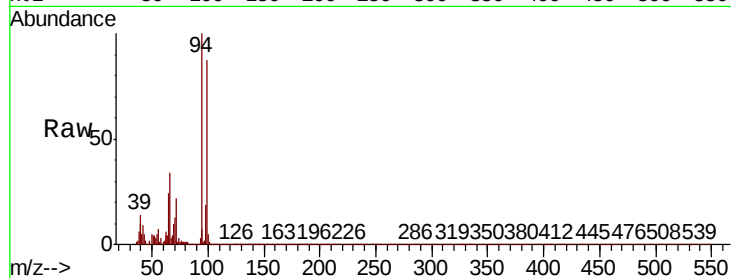
Tot Ion: 94 Resp: 98656

Ion Ratio Lower Upper

94 100

65 23.7 5.9 45.9

66 34.4 18.8 58.8



#15

Benzyl Alcohol

Concen: 2.008 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.01 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

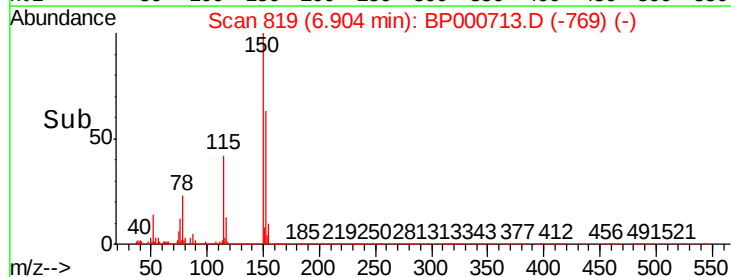
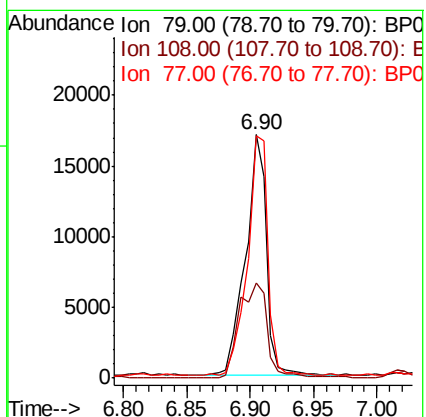
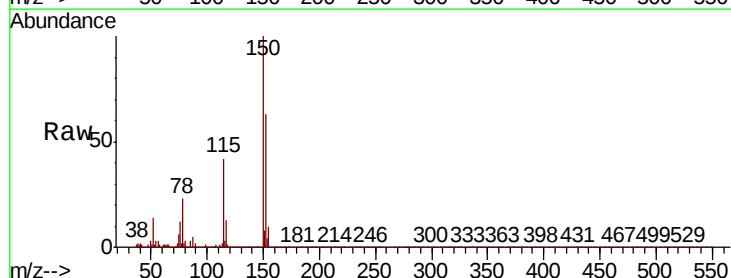
Tgt Ion: 79 Resp: 19559

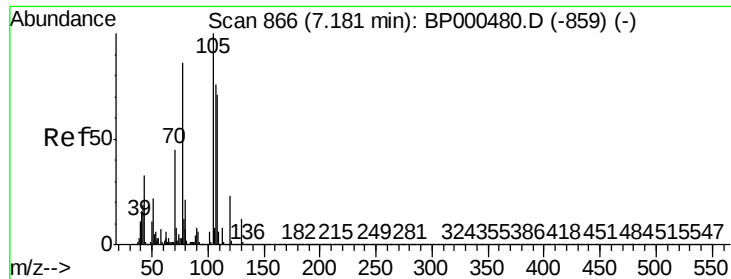
Ion Ratio Lower Upper

79 100

108 39.1 70.8 106.2#

77 99.5 50.0 75.0#

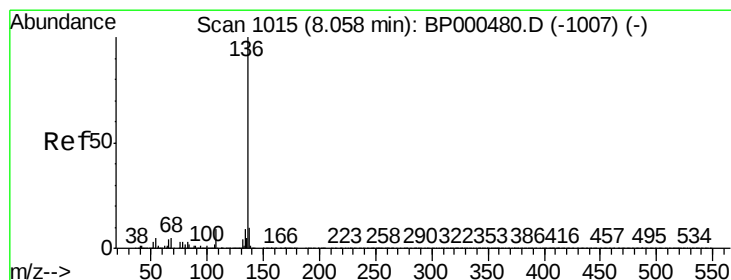
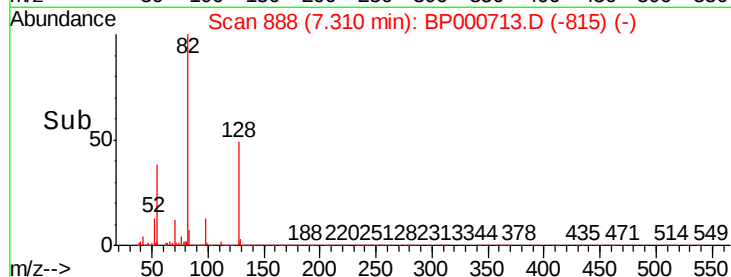
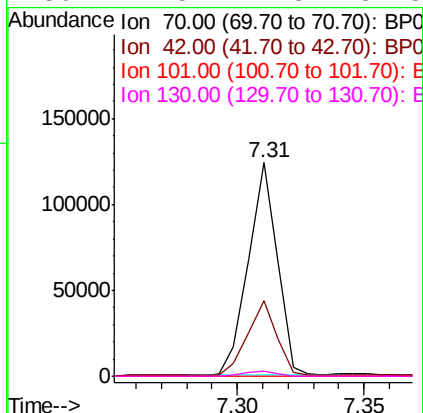
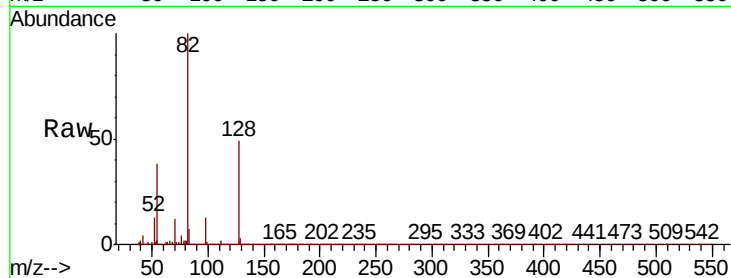




#19
n-Nitroso-di-n-propylamine
Concen: 14.311 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.13 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

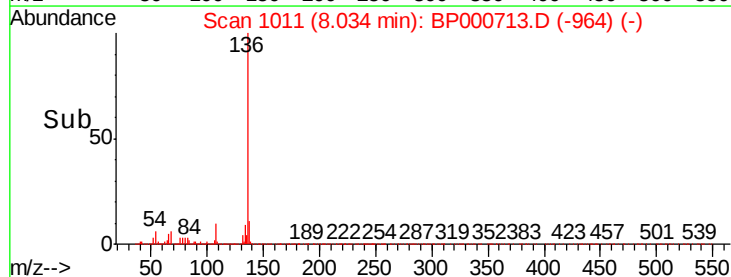
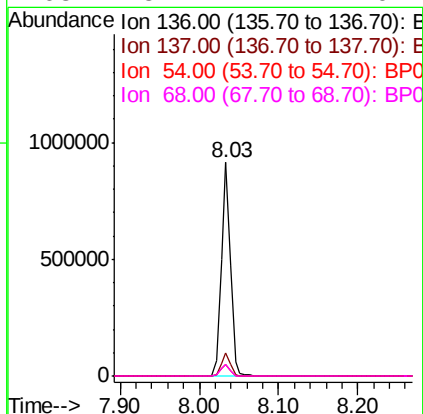
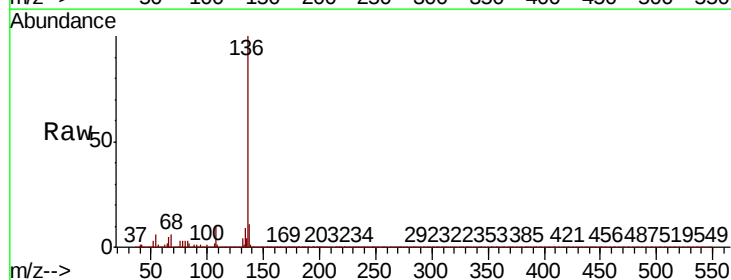
Instrument :
BNA_P
ClientSampleId :

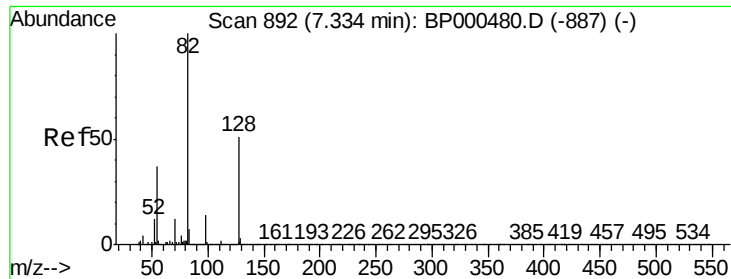
Tot Ion:	70	Resp:	99509
Ion	Ratio	Lower	Upper
70	100		
42	35.2	33.2	49.8
101	0.1	9.9	14.9#
130	2.5	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Tgt Ion:	136	Resp:	722329
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	5.7	4.1	6.1
68	5.7	4.1	6.1

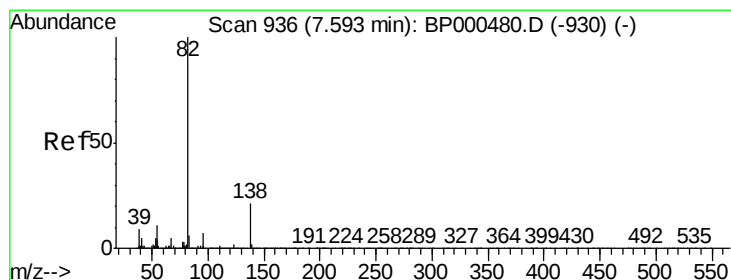
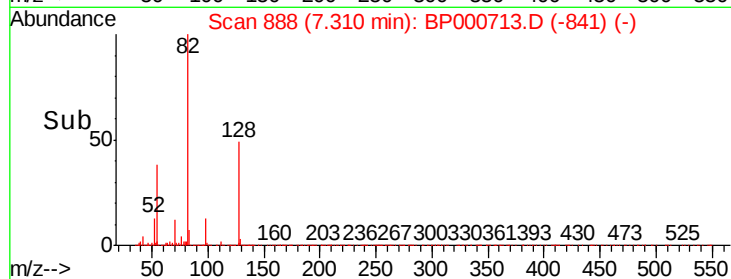
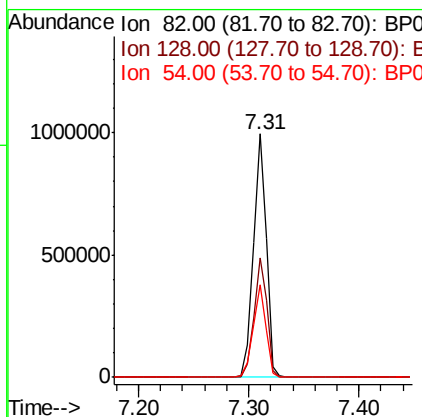
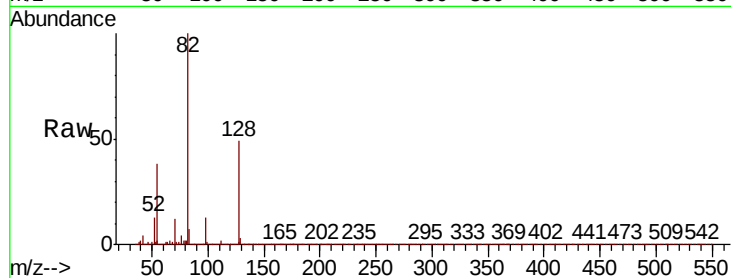




#23
 Nitrobenzene-d5
 Concen: 69.072 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BP000713.D
 Acq: 14 Oct 2019 16:18

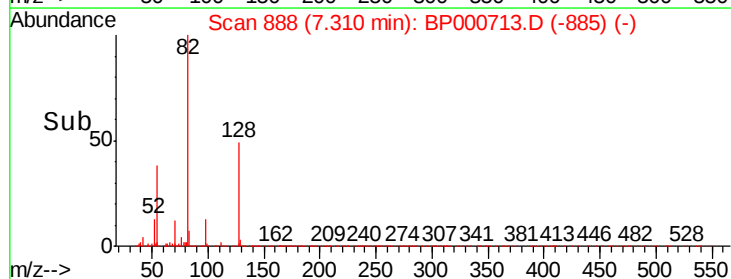
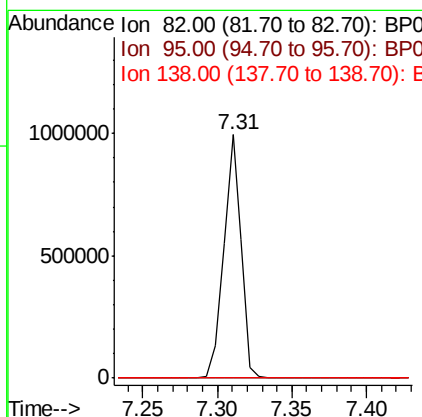
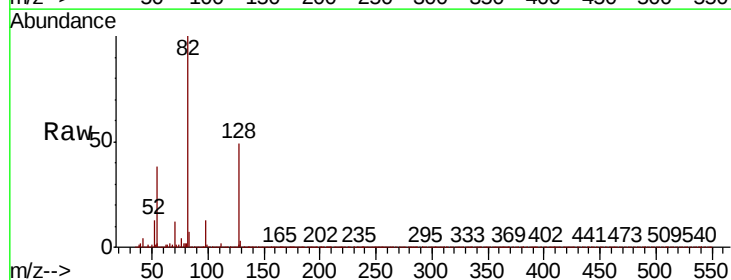
Instrument :
 BNA_P
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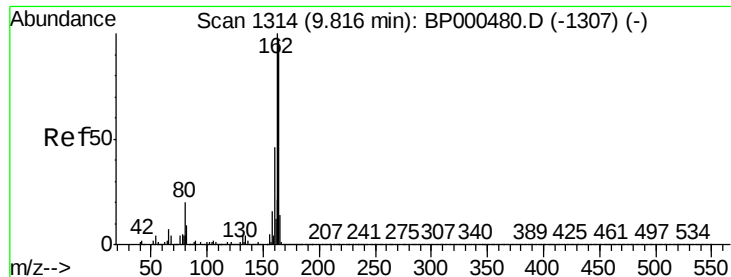
Tot Ion:	82	Resp:	816899
Ion	Ratio	Lower	Upper
82	100		
128	49.0	40.9	61.3
54	38.2	29.4	44.2



#25
 Isophorone
 Concen: 38.864 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BP000713.D
 Acq: 14 Oct 2019 16:18

Tgt Ion:	82	Resp:	815773
Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.6#
138	0.0	17.0	25.4#

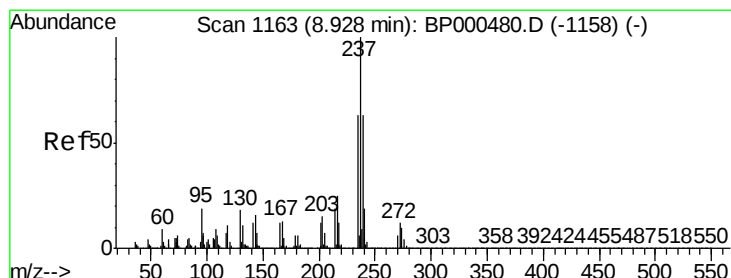
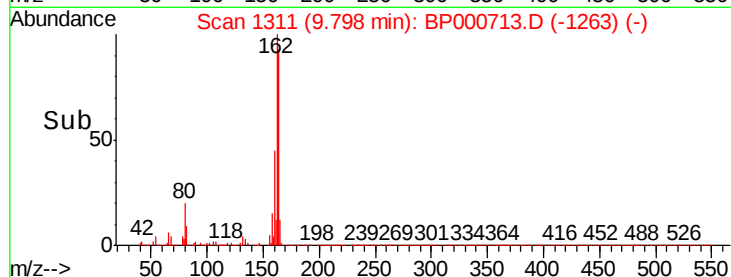
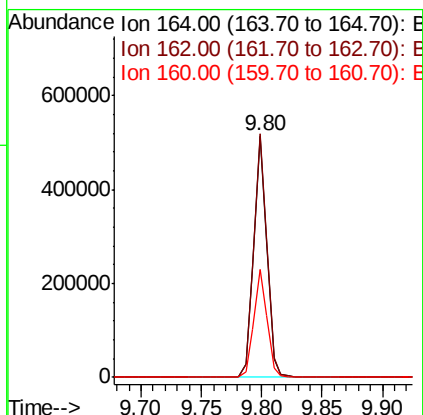
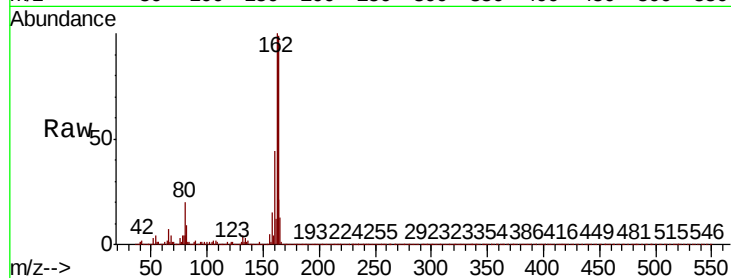




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

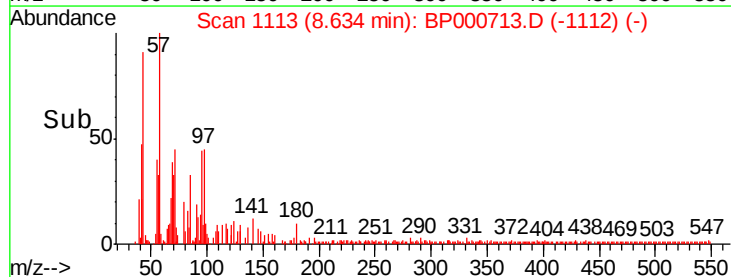
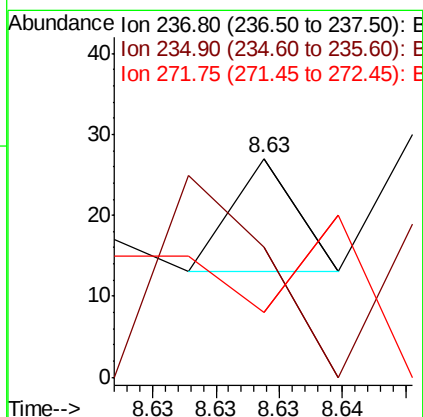
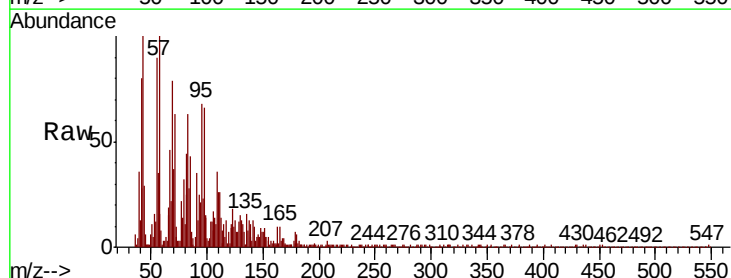
Instrument :
BNA_P
ClientSampleId :

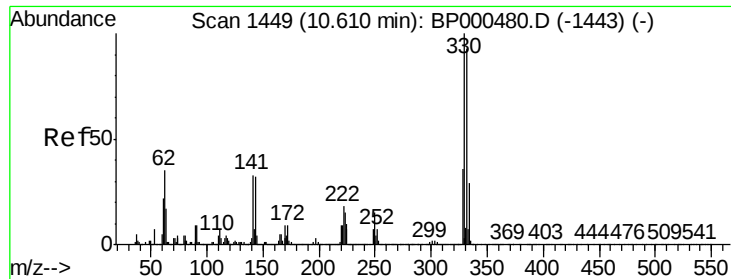
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	44.7	37.6	56.4



#41
Hexachlorocyclopentadiene
Concen: 7.298 ng
RT: 8.63 min Scan# 1113
Delta R.T. -0.29 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Tgt Ion	Ratio	Lower	Upper
237	100		
235	59.3	42.9	82.9
272	29.6	0.0	32.4

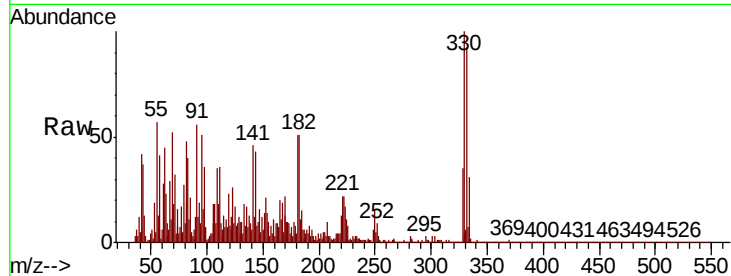




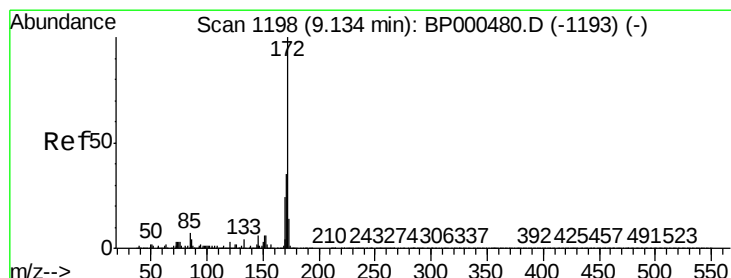
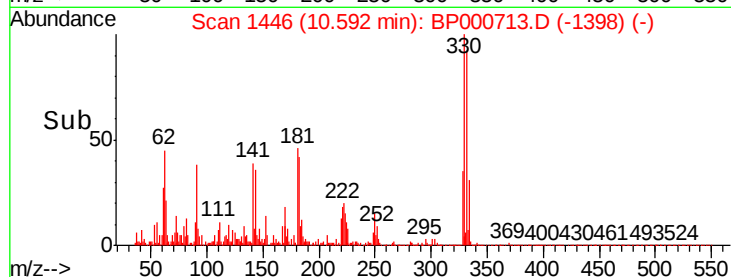
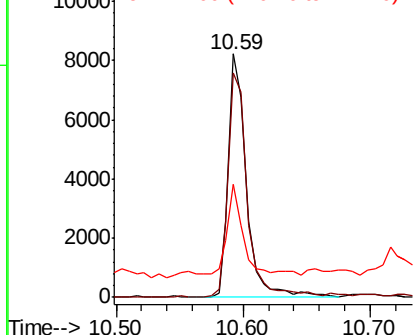
#42
 2,4,6-Tribromophenol
 Concen: 1.935 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BP000713.D
 Acq: 14 Oct 2019 16:18

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:330 Resp: 8155
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.1 115.7
 141 30.0 26.0 39.0

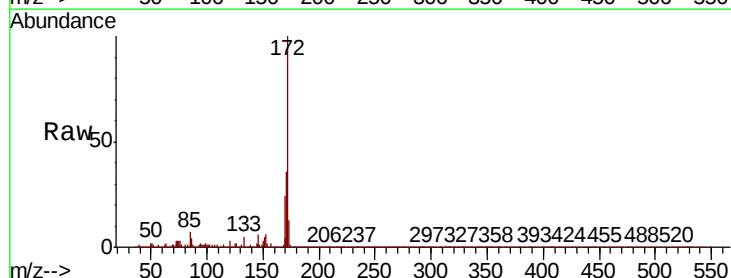


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

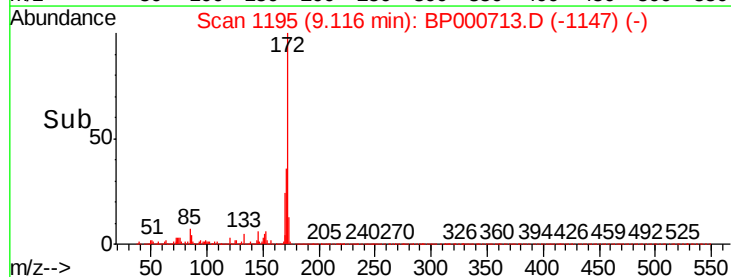
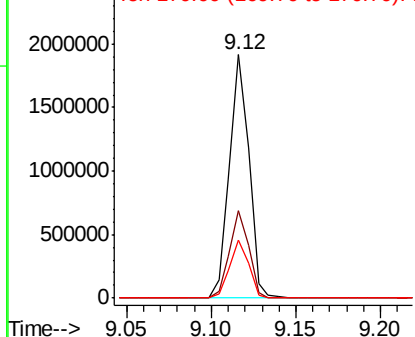


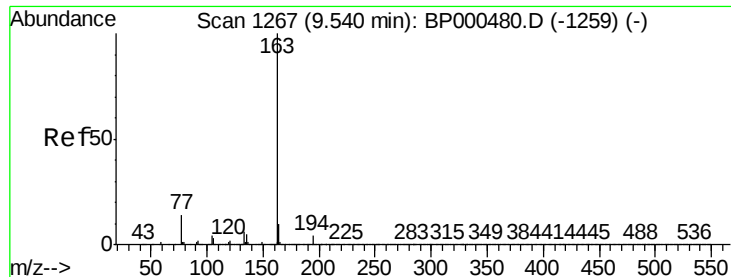
#45
 2-Fluorobiphenyl
 Concen: 62.724 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BP000713.D
 Acq: 14 Oct 2019 16:18

Tgt Ion:172 Resp: 1532842
 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

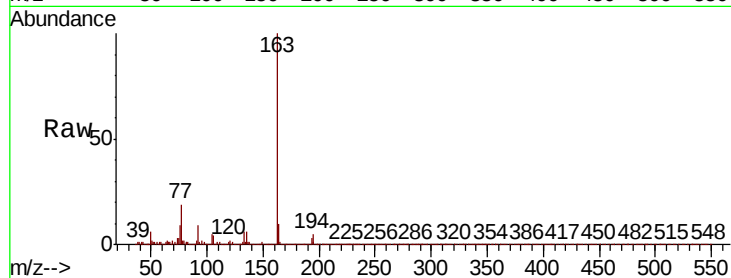




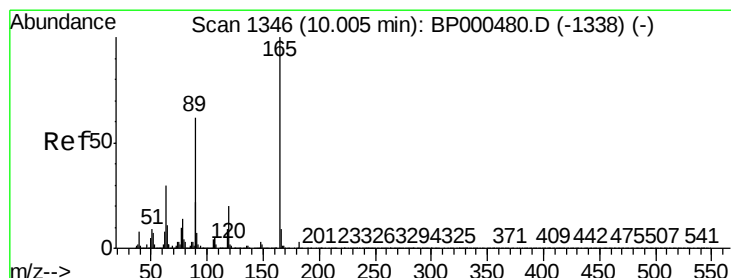
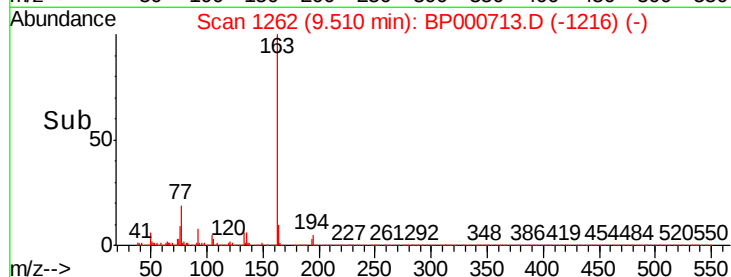
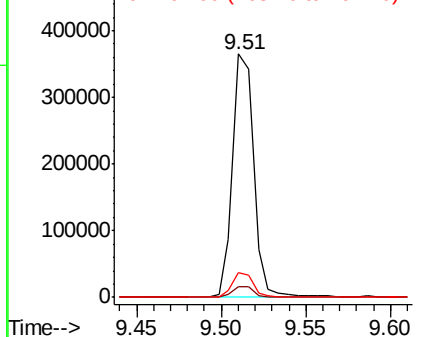
#50
Dimethylphthalate
Concen: 11.553 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Instrument :
BNA_P
ClientSampled :

Tot Ion:163 Resp: 317420
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 10.2 8.0 12.0

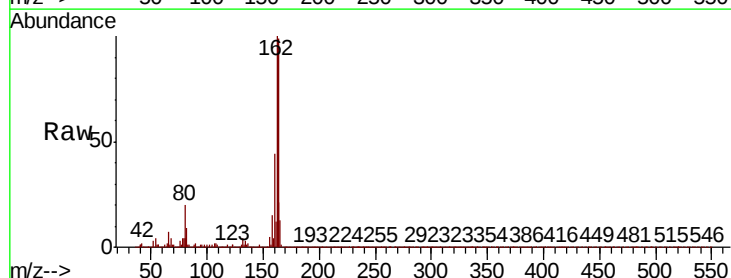


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

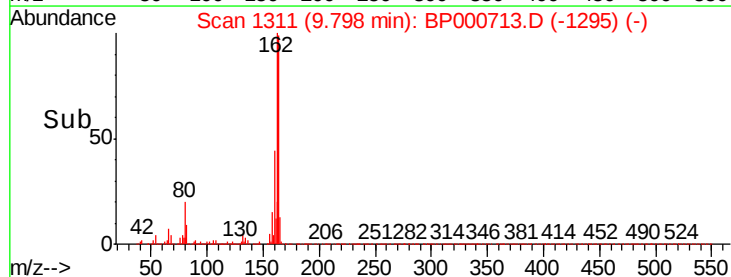
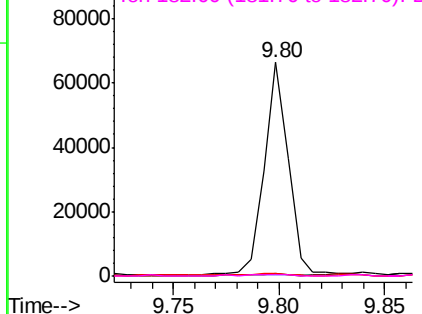


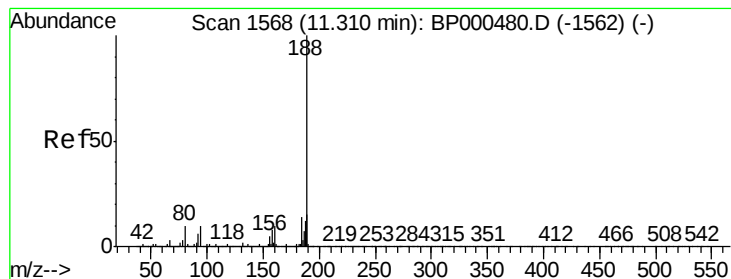
#57
2,4-Dinitrotoluene
Concen: 6.519 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Tgt Ion:165 Resp: 51786
Ion Ratio Lower Upper
165 100
63 1.0 24.2 36.4#
89 1.3 49.4 74.0#
182 0.4 2.5 3.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 89.00 (88.70 to 89.70): BP0
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

Instrument :

BNA_P

ClientSampleId :

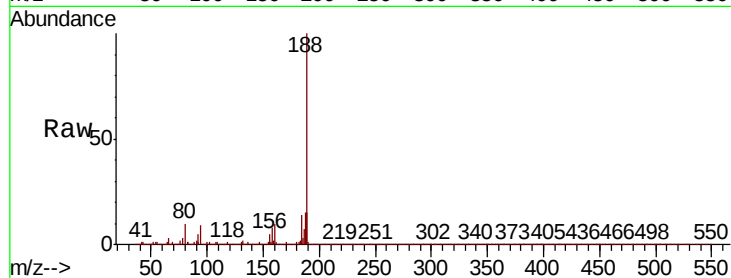
Tot Ion:188 Resp: 718936

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

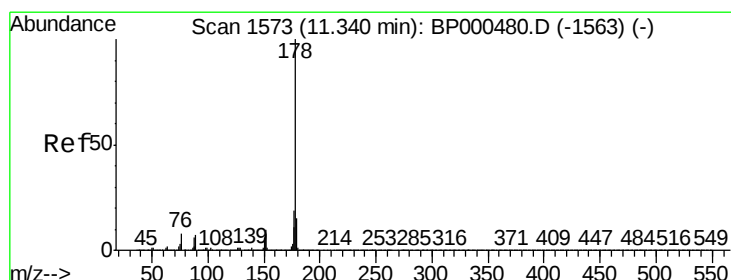
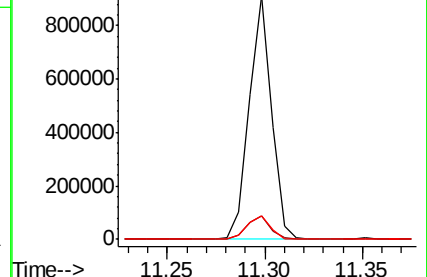
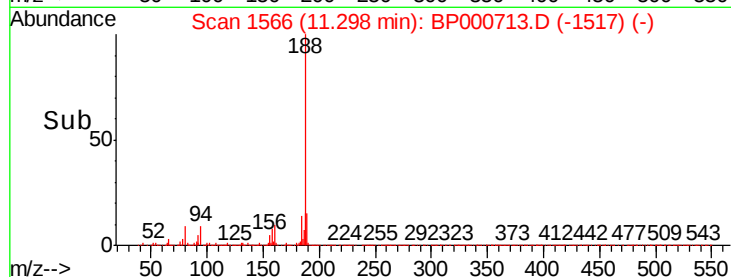
80 9.5 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 2.910 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

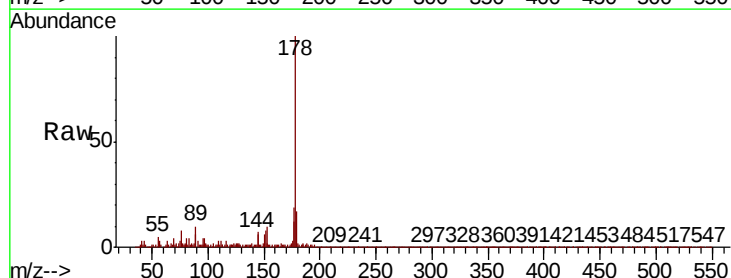
Tgt Ion:178 Resp: 105087

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

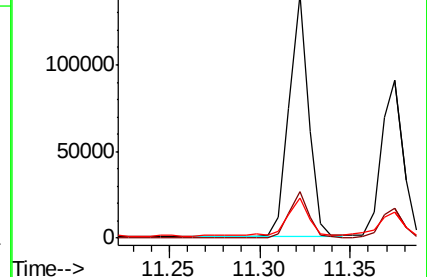
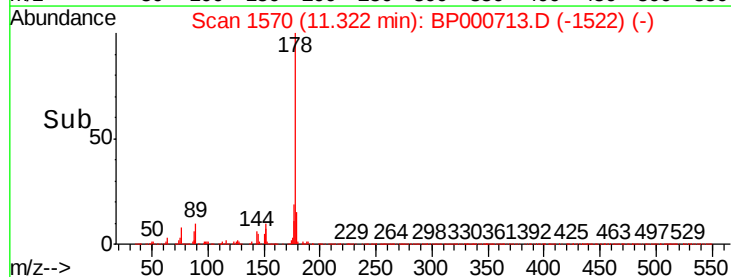
179 16.7 12.2 18.4

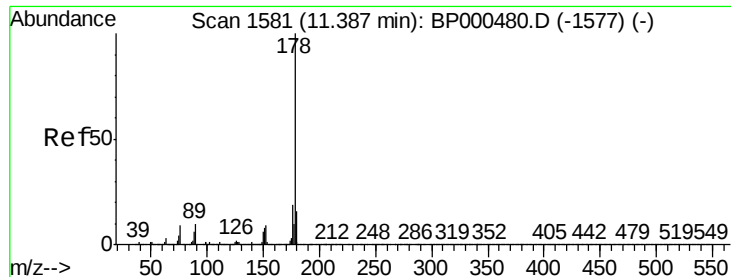


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.057 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

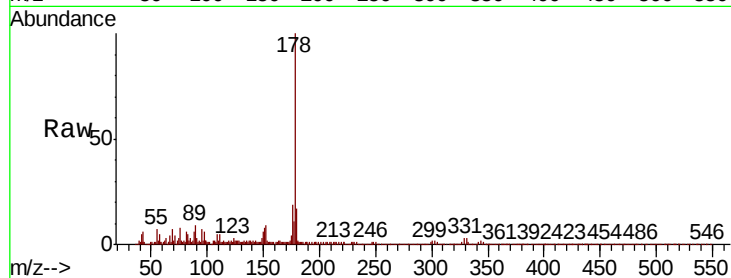
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 73627

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	16.6	12.6	19.0

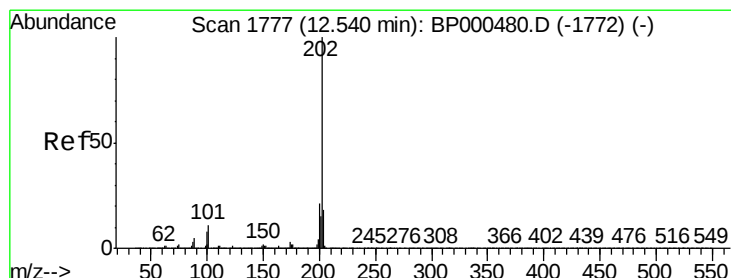
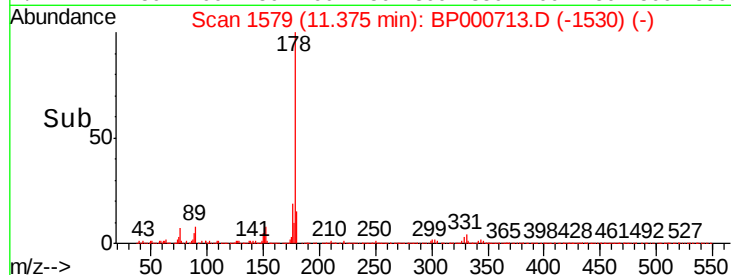
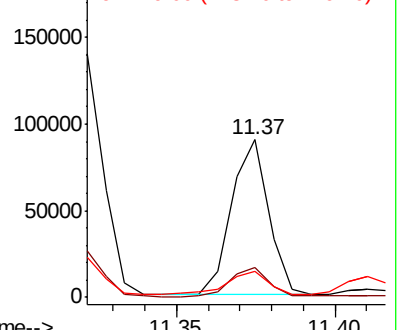


Abundance

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: 8.537 ng

RT: 12.53 min Scan# 1775

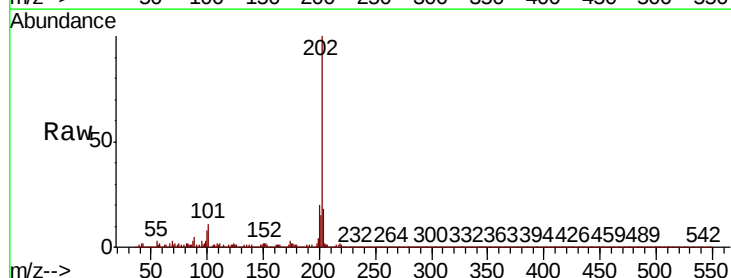
Delta R.T. -0.01 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

Tgt Ion:202 Resp: 346201

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.3
203	18.1	0.0	38.1

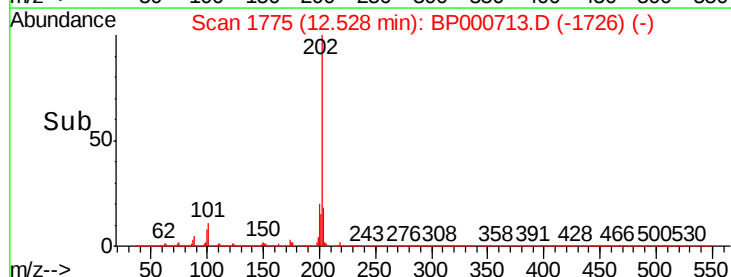
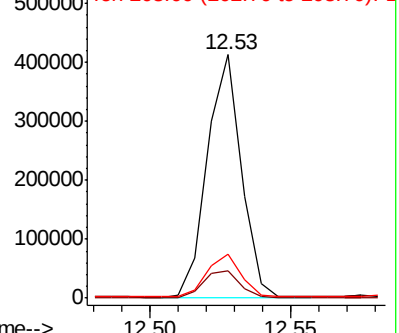


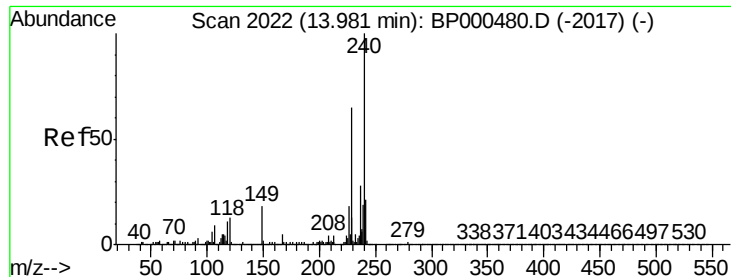
Abundance

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

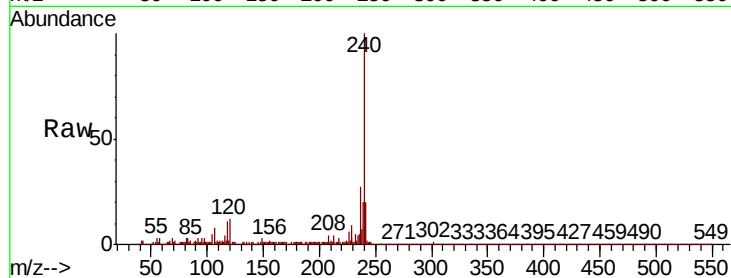




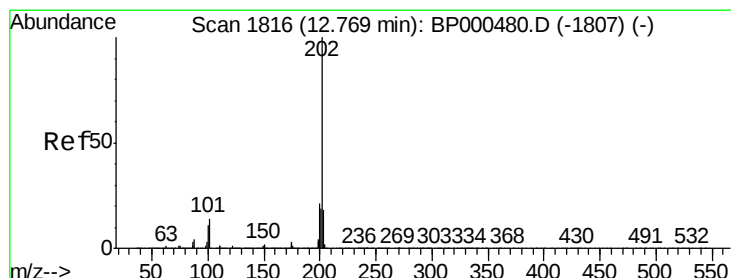
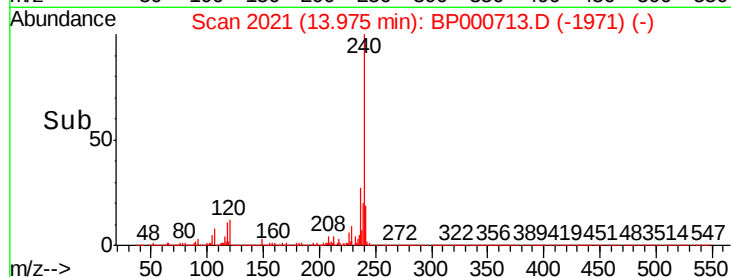
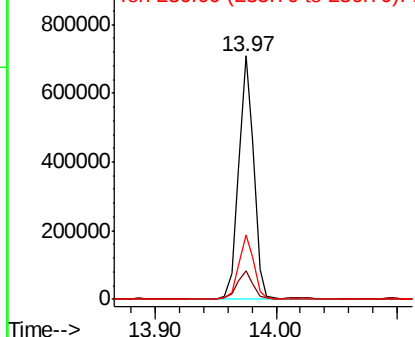
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 612215
Ion Ratio Lower Upper
240 100
120 12.0 10.1 15.1
236 26.7 22.7 34.1

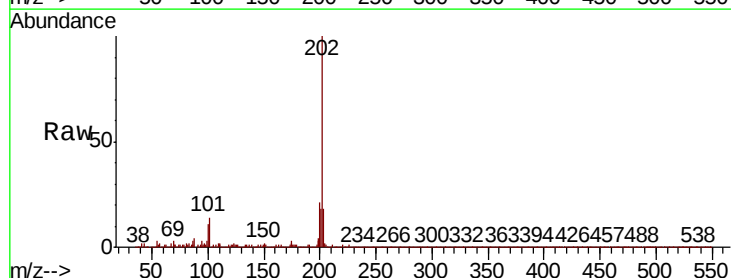


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

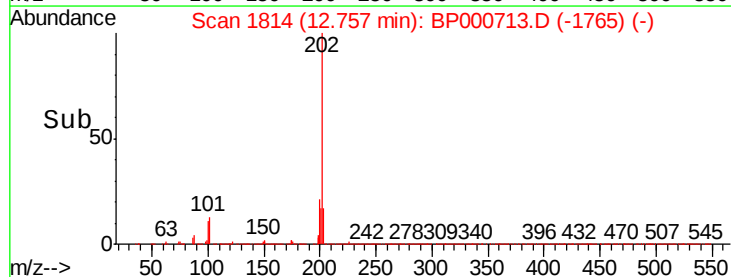
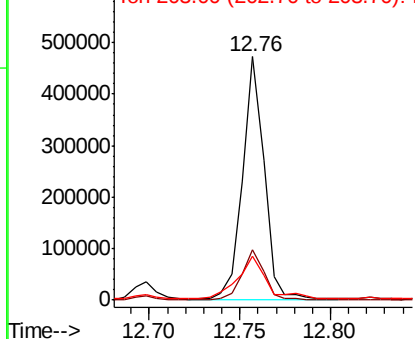


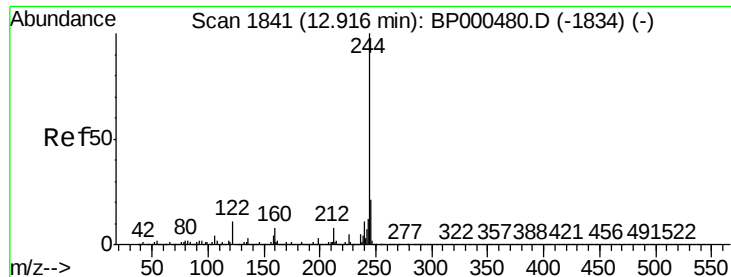
#78
Pyrene
Concen: 9.148 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Tgt Ion:202 Resp: 386269
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.1 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 55.207 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

Instrument :

BNA_P

ClientSampleId :

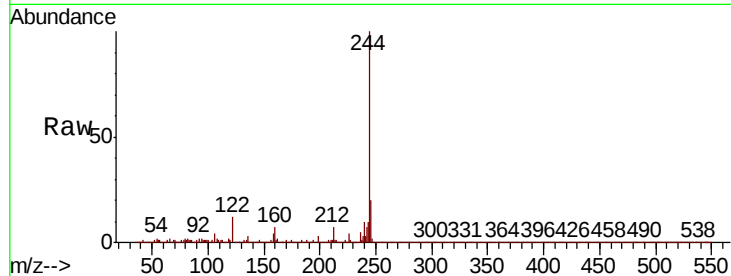
Tot Ion:244 Resp: 1669289

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

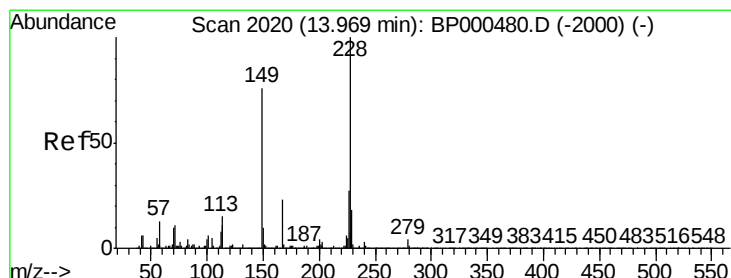
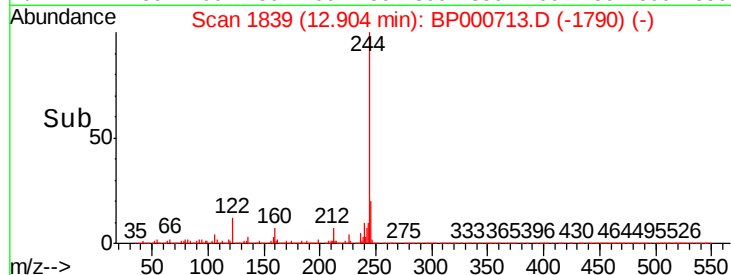
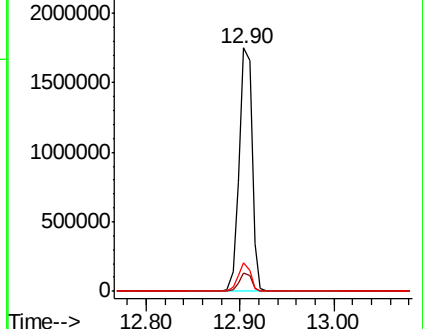
122 11.8 8.9 13.3



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: 6.323 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

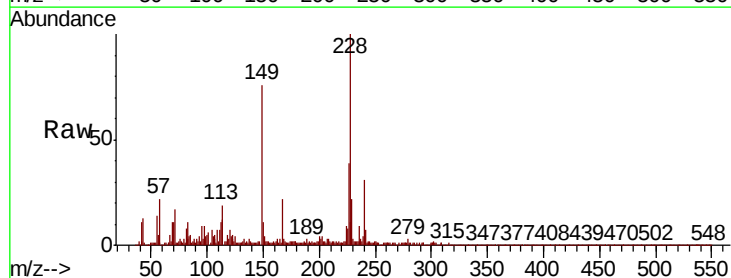
Tgt Ion:228 Resp: 236182

Ion Ratio Lower Upper

228 100

226 38.6 21.4 32.2#

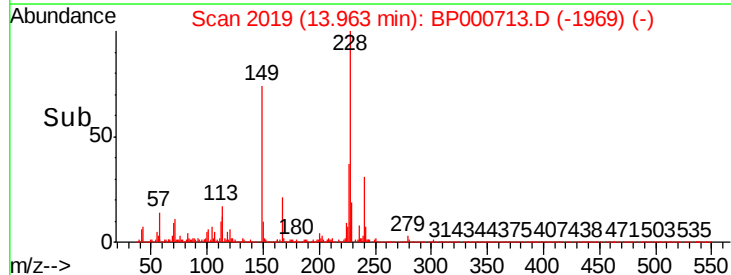
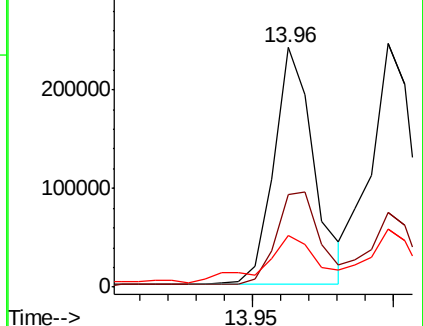
229 21.5 14.7 22.1

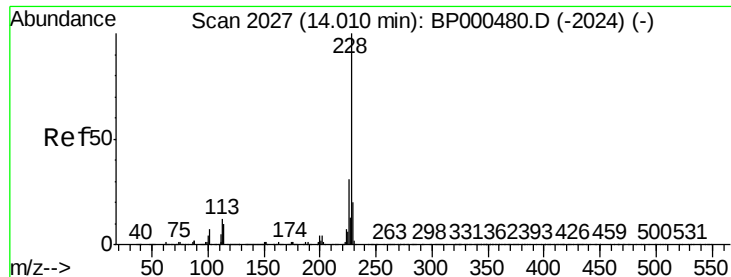


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.743 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

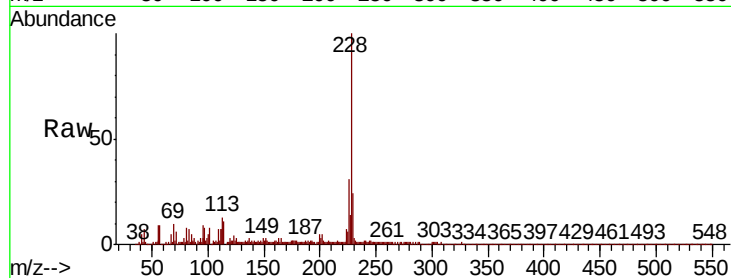
Instrument :

BNA_P

ClientSampleId :

Tot Ion:228 Resp: 247220

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	23.7	16.3	24.5

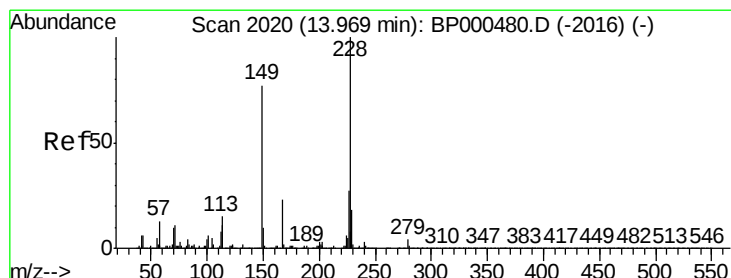
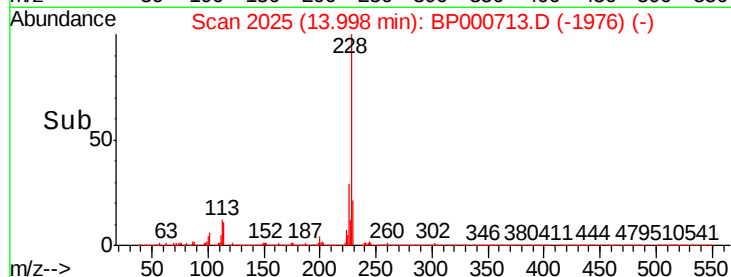
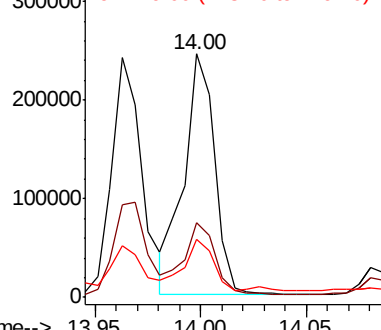


Abundance

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: 6.410 ng

RT: 13.96 min Scan# 2019

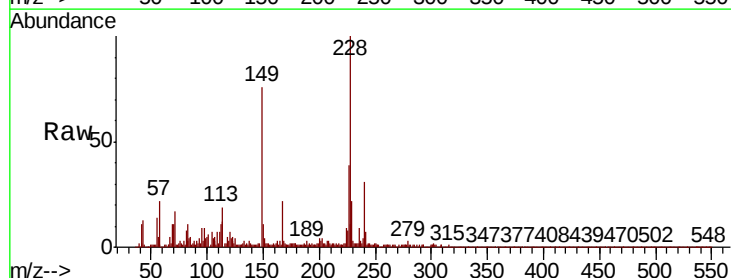
Delta R.T. -0.01 min

Lab File: BP000713.D

Acq: 14 Oct 2019 16:18

Tgt Ion:149 Resp: 148342

Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.6	35.4
279	4.4	3.9	5.9

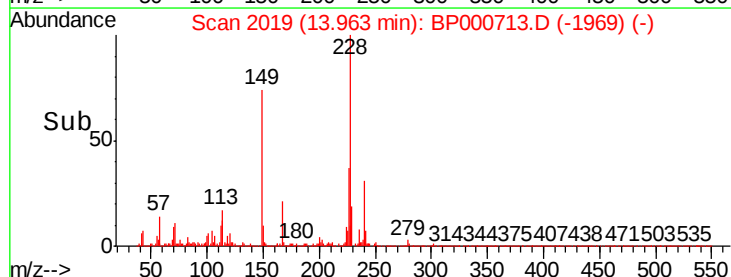
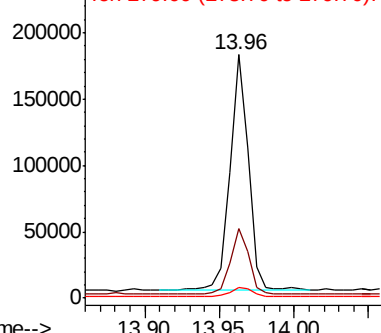


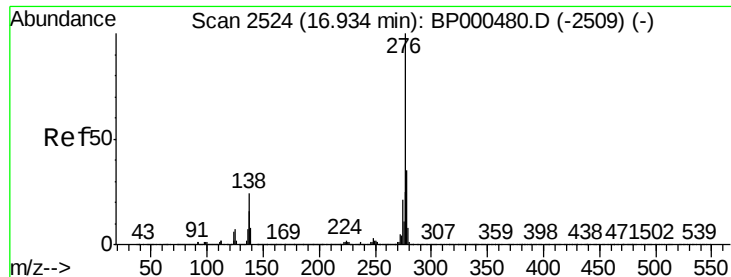
Abundance

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

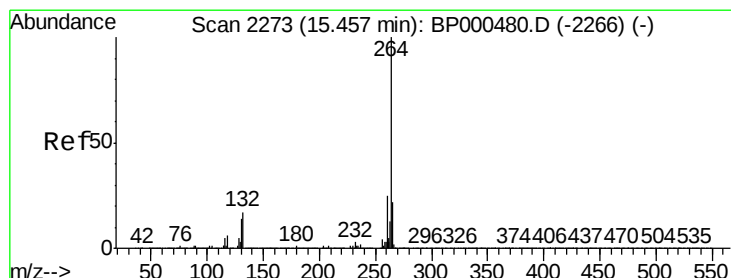
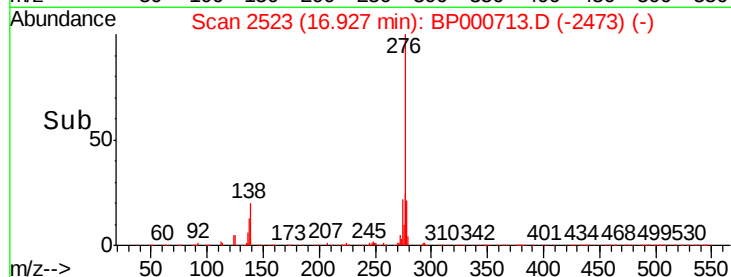
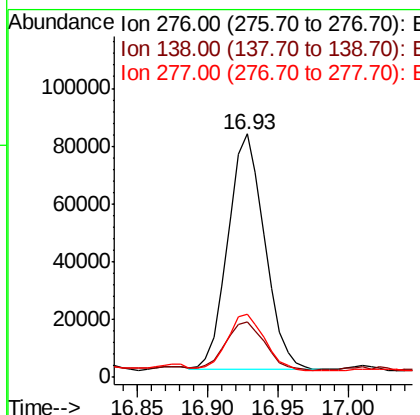
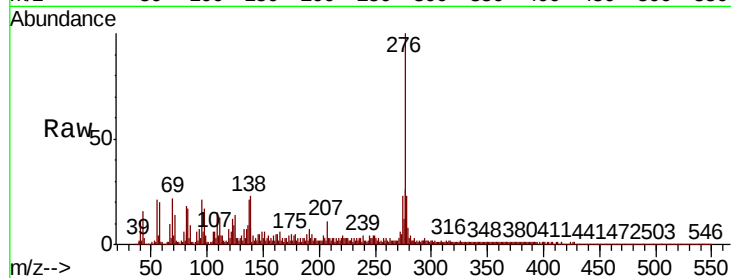




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.226 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BP000713.D
 Acq: 14 Oct 2019 16:18

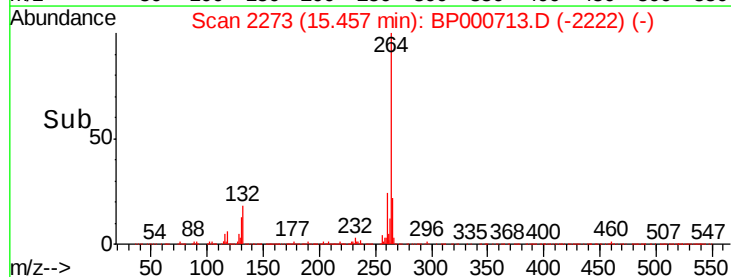
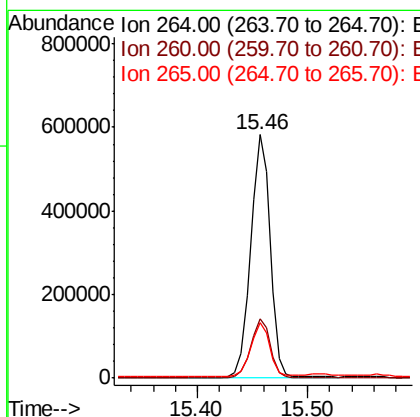
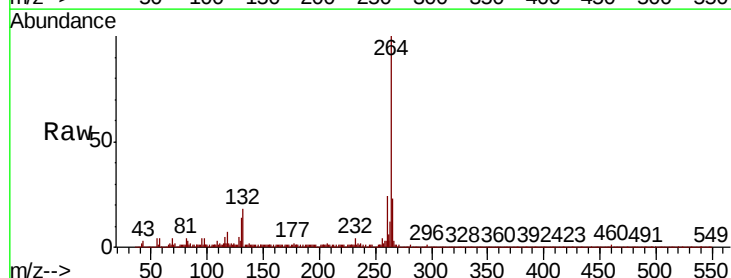
Instrument :
 BNA_P
 ClientSampled :

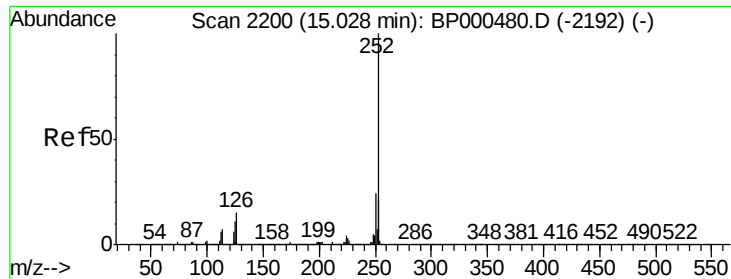
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.9	31.3
277	24.8	20.6	30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: BP000713.D
 Acq: 14 Oct 2019 16:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.3	30.5
265	22.5	18.0	27.0

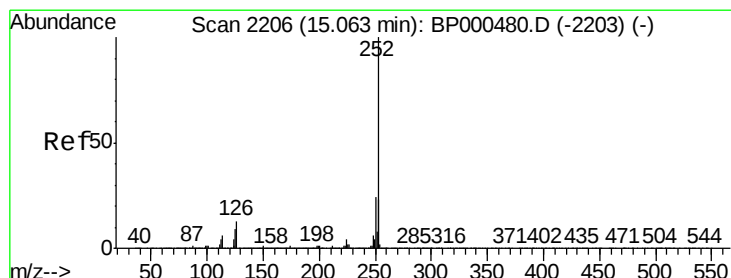
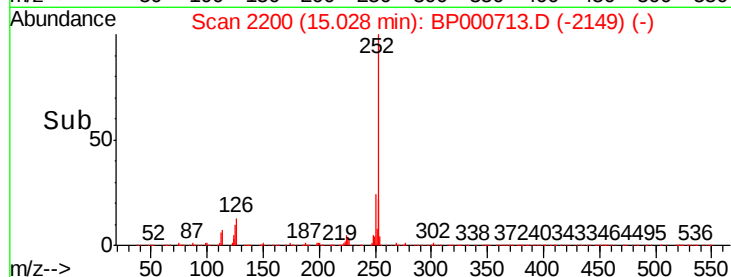
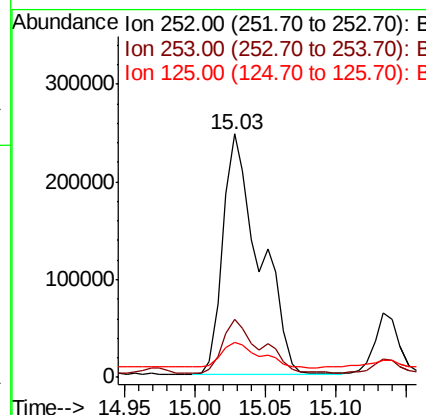
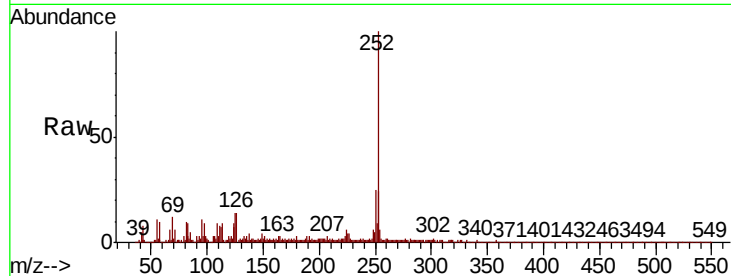




#88
Benzo(b)fluoranthene
Concen: 10.938 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

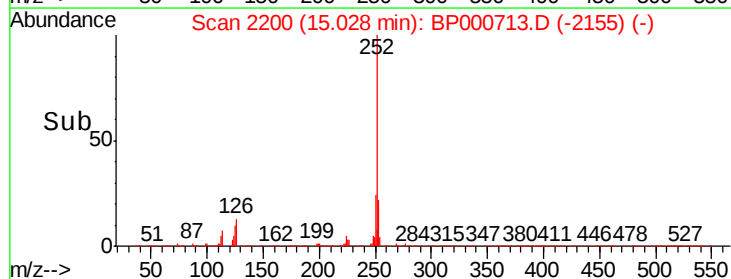
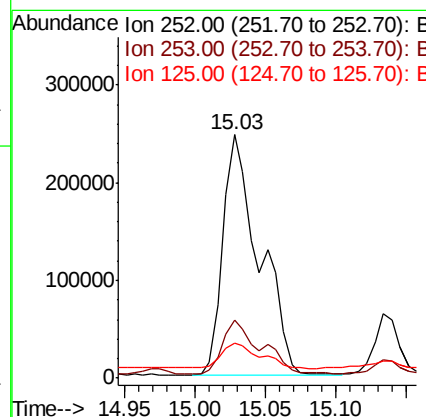
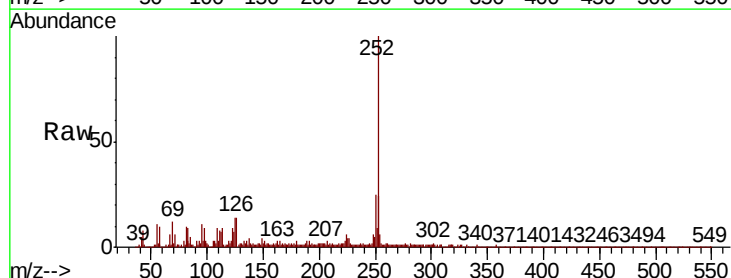
Instrument :
BNA_P
ClientSampleId :

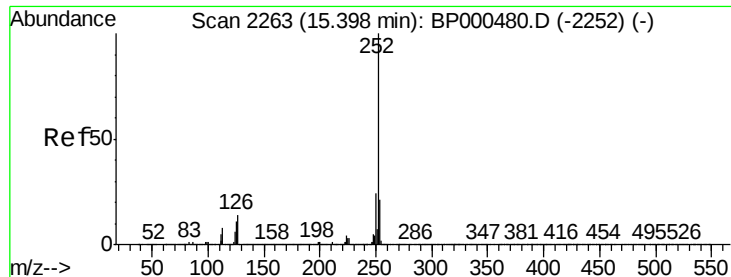
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	14.5	8.9	13.3



#89
Benzo(k)fluoranthene
Concen: 11.489 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	14.5	7.8	11.8

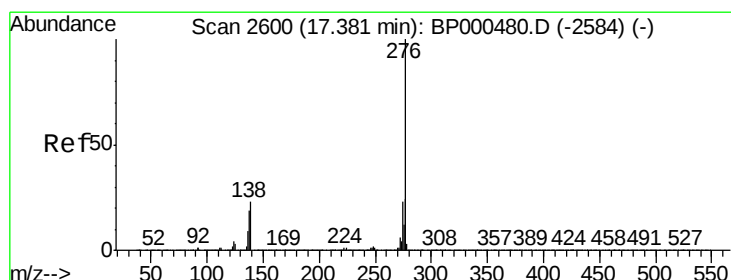
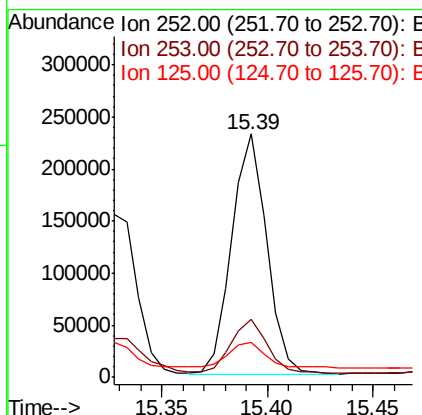
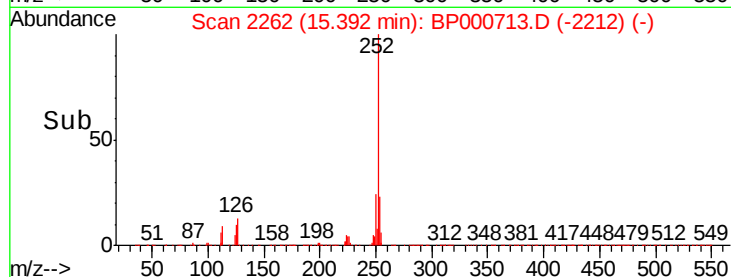
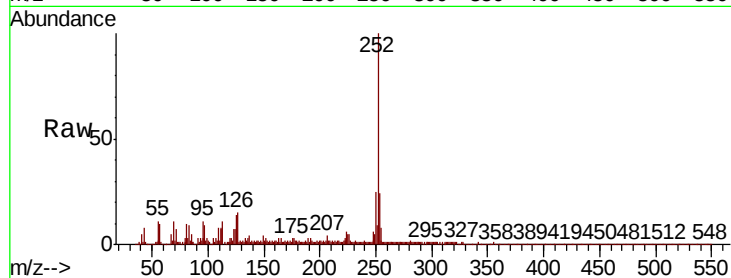




#90
Benzo(a)pyrene
Concen: 6.926 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	14.3	8.4	12.6



#92
Benzo(g,h,i)perylene
Concen: 3.946 ng
RT: 17.37 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BP000713.D
Acq: 14 Oct 2019 16:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.4	29.2
138	24.2	18.5	27.7

