

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000707.D
 Acq On : 14 Oct 2019 13:52
 Operator : JU
 Sample : K5348-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 02:41:59 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	205074	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	744922	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	407245	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	745147	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	646671	20.00	ng	-0.01
87) Perylene-d12	15.45	264	766635	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	176418	13.83	ng	-0.02
7) Phenol-d6	6.39	99	1302643	84.73	ng	-0.02
23) Nitrobenzene-d5	7.31	82	846535	69.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	10240	2.36	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1500341	59.61	ng	-0.02
79) Terphenyl-d14	12.90	244	1750635	54.81	ng	-0.01

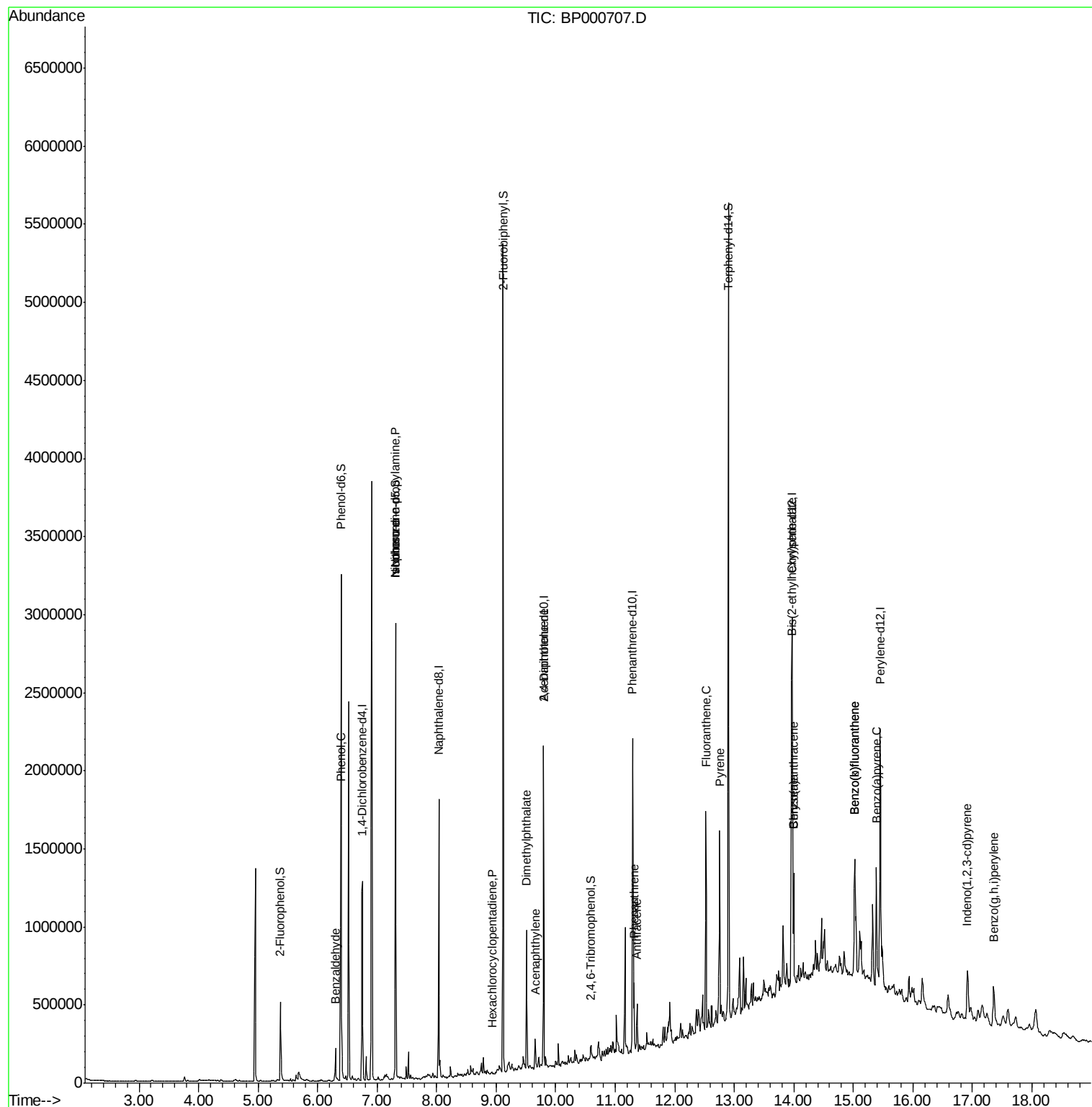
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	46387	5.793	ng	98
10) Phenol	6.40	94	73595	4.675	ng	94
19) n-Nitroso-di-n-propylamine	7.31	70	107753	15.206	ng	# 73
25) Isophorone	7.31	82	845560	39.062	ng	# 61
41) Hexachlorocyclopentadiene	8.93	237	22	7.301	ng	91
49) Acenaphthylene	9.66	152	73047	2.037	ng	99
50) Dimethylphthalate	9.51	163	307896	10.881	ng	99
57) 2,4-Dinitrotoluene	9.80	165	53906	6.588	ng	# 32
71) Phenanthrene	11.32	178	131534	3.515	ng	99
72) Anthracene	11.37	178	91348	2.462	ng	99
75) Fluoranthene	12.52	202	511969	12.181	ng	99
78) Pylene	12.75	202	502063	11.257	ng	99
81) Benzo(a)anthracene	14.00	228	299299	7.586	ng	94
83) Chrysene	14.00	228	299299	7.729	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	142011	5.810	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	207856	4.297	ng	95
88) Benzo(b)fluoranthene	15.02	252	548653	12.615	ng	96
89) Benzo(k)fluoranthene	15.02	252	548653	13.250	ng	# 97
90) Benzo(a)pyrene	15.39	252	333700	8.231	ng	# 95
92) Benzo(a,h,i)perylene	17.36	276	215948	5.404	ng	99

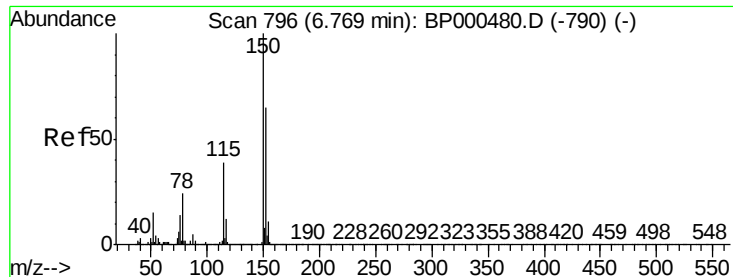
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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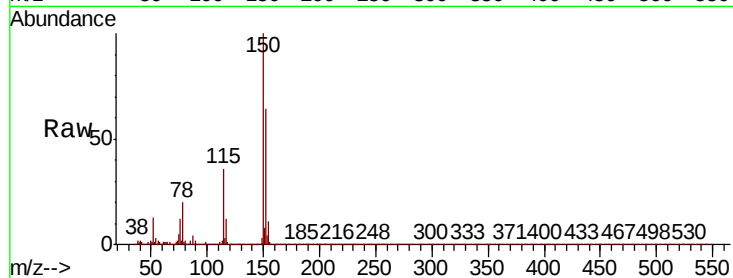


#1

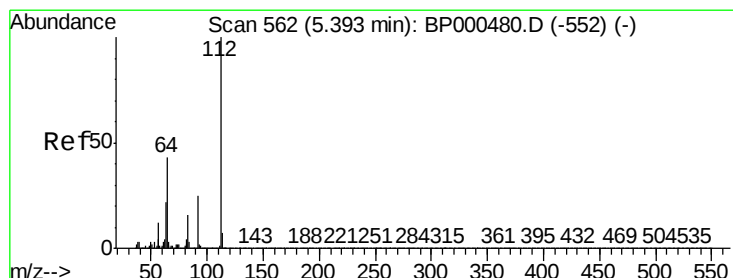
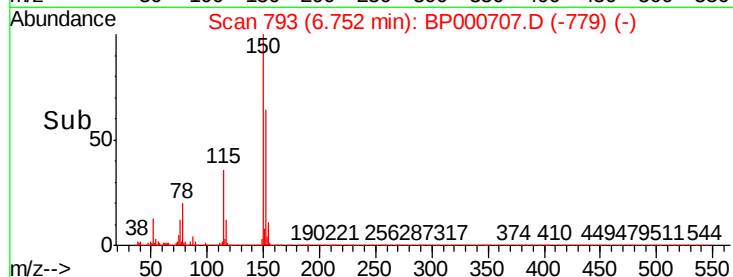
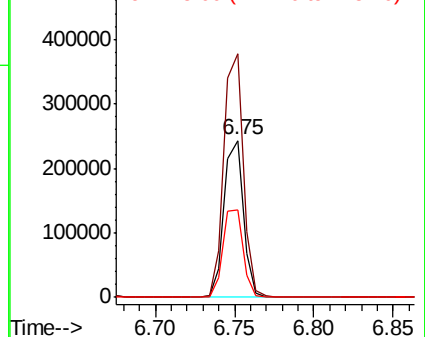
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.1	186.1
115	56.1	48.7	73.1



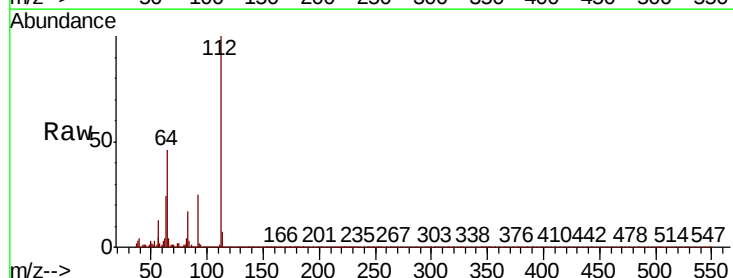
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



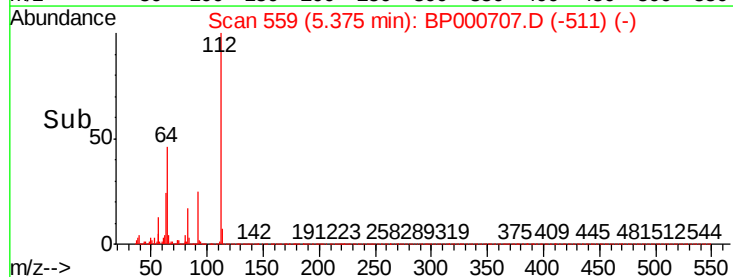
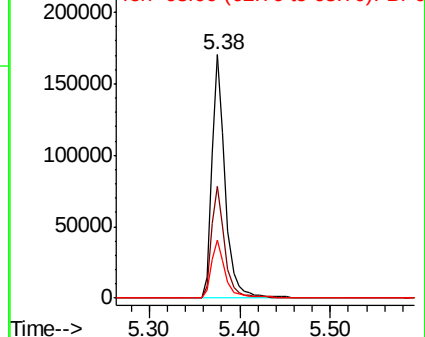
#5

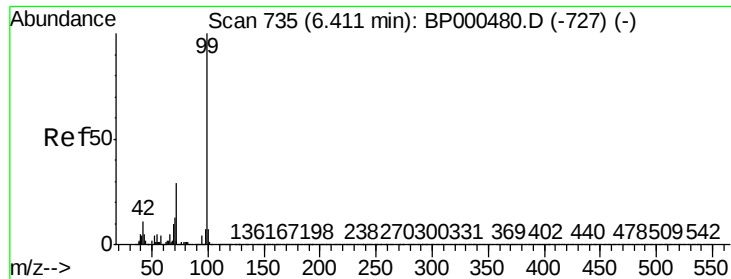
2-Fluorophenol
Concen: 13.828 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	34.2	51.4
63	23.8	17.9	26.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 84.732 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

ClientSampleId :

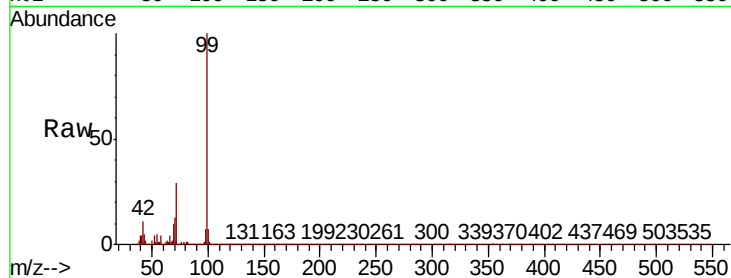
Tot Ion: 99 Resp: 1302643

Ion Ratio Lower Upper

99 100

42 10.8 8.6 12.8

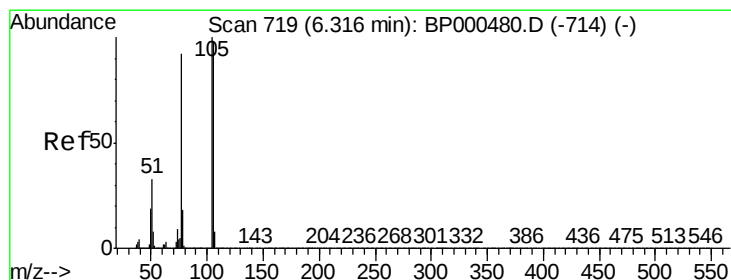
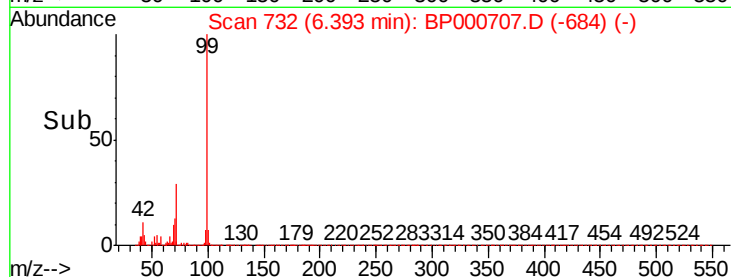
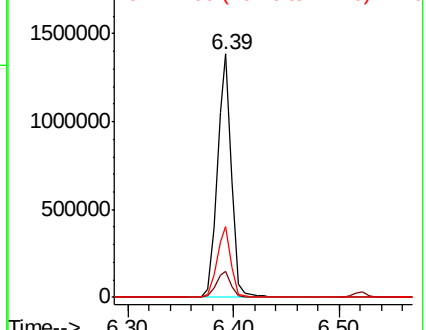
71 28.9 23.0 34.4



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: 5.793 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

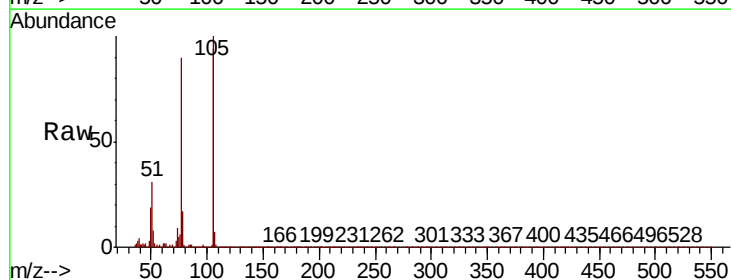
Tgt Ion: 77 Resp: 46387

Ion Ratio Lower Upper

77 100

105 110.6 88.3 128.3

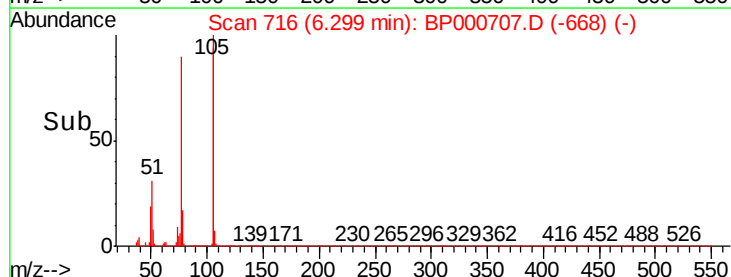
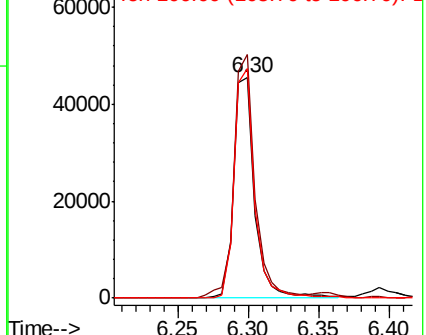
106 104.3 85.7 125.7

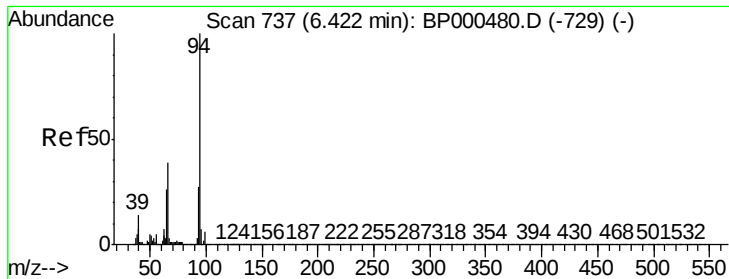


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.675 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

ClientSampleId :

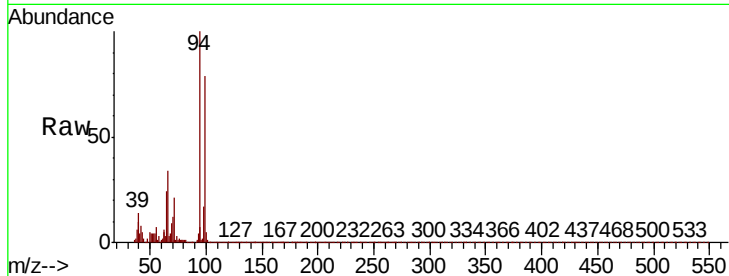
Tot Ion: 94 Resp: 73595

Ion Ratio Lower Upper

94 100

65 23.9 5.9 45.9

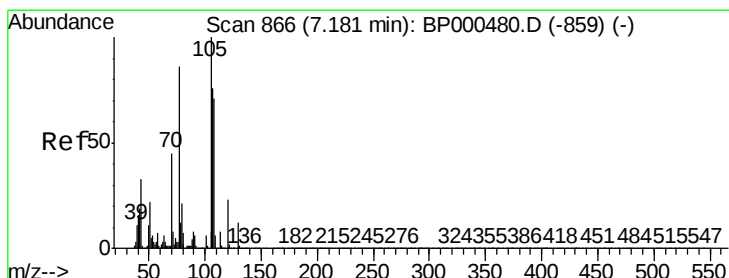
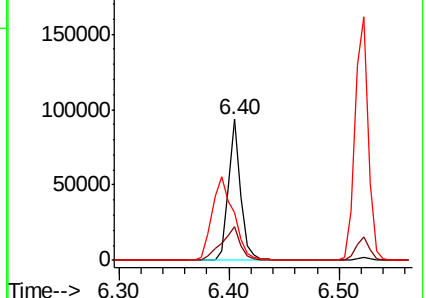
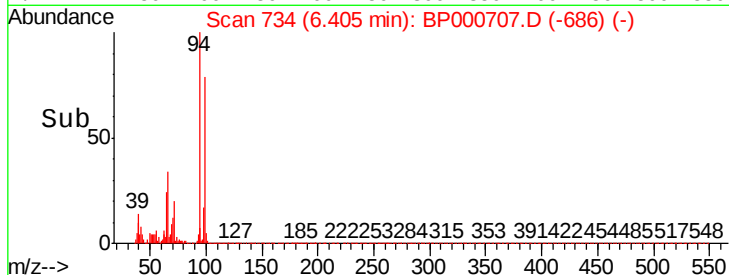
66 33.9 18.8 58.8



Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0



#19

n-Nitroso-di-n-propylamine

Concen: 15.206 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Tgt Ion: 70 Resp: 107753

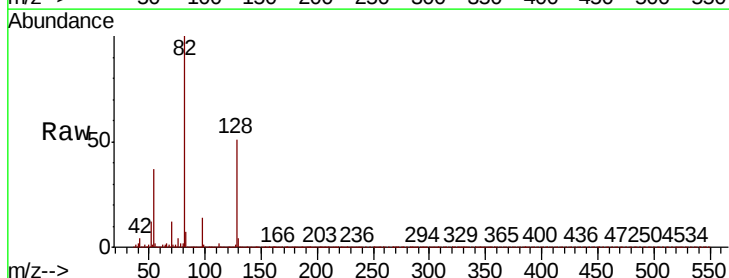
Ion Ratio Lower Upper

70 100

42 33.6 33.2 49.8

101 0.1 9.9 14.9#

130 2.6 21.8 32.8#

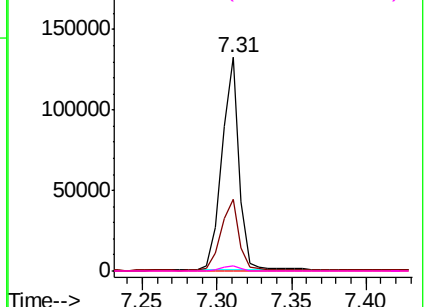
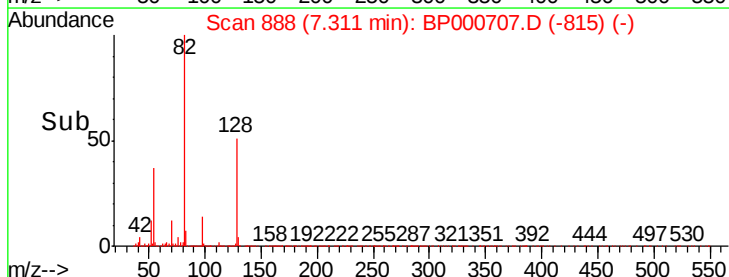


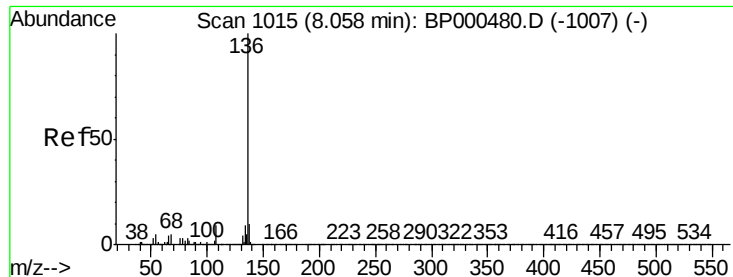
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

ClientSampleId :

Tot Ion:136 Resp: 744922

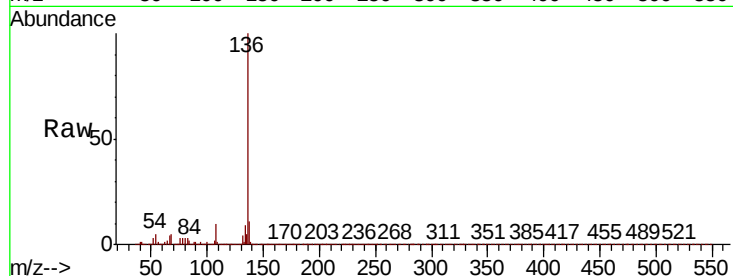
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 5.4 4.1 6.1

68 5.3 4.1 6.1

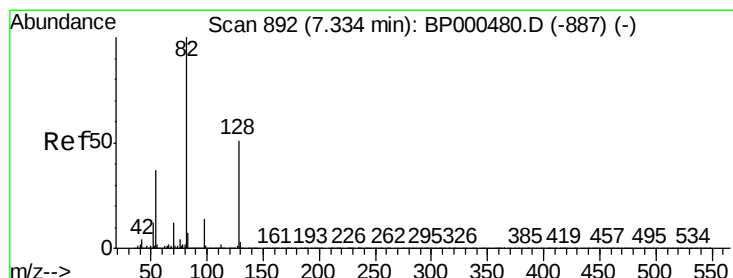
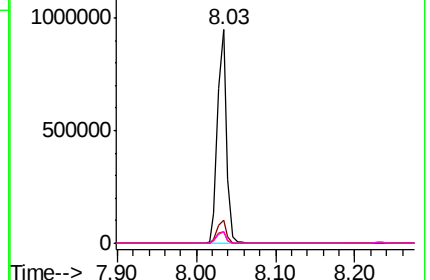
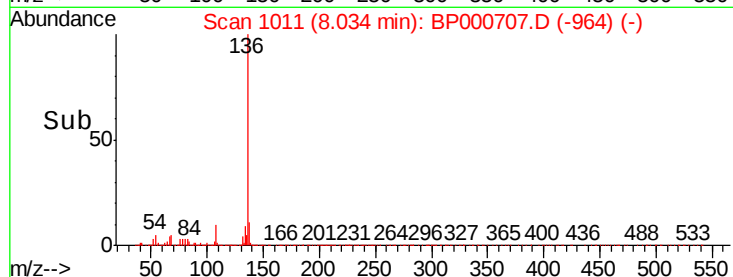


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.406 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

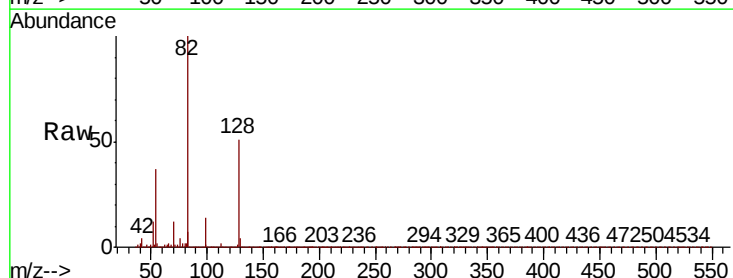
Tgt Ion: 82 Resp: 846535

Ion Ratio Lower Upper

82 100

128 51.3 40.9 61.3

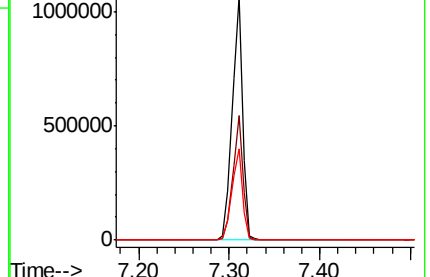
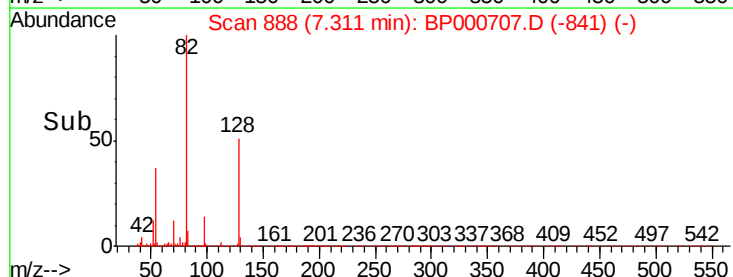
54 37.3 29.4 44.2

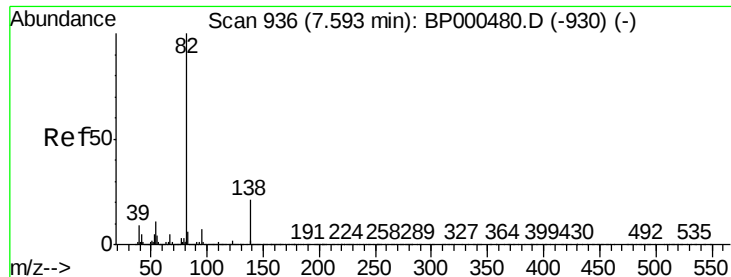


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0





#25

Isophorone

Concen: 39.062 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

ClientSampleId :

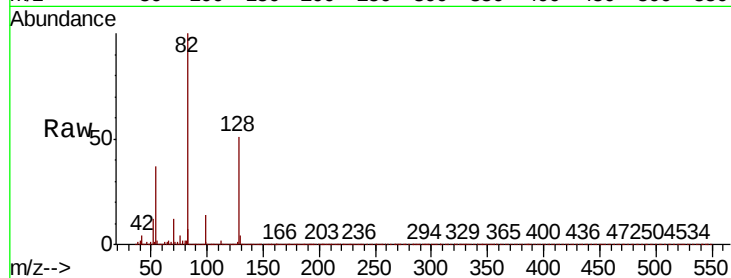
Tot Ion: 82 Resp: 845560

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

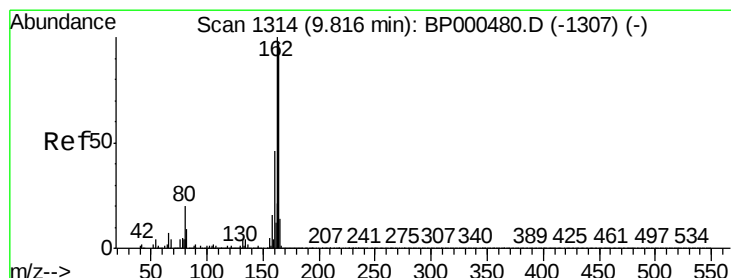
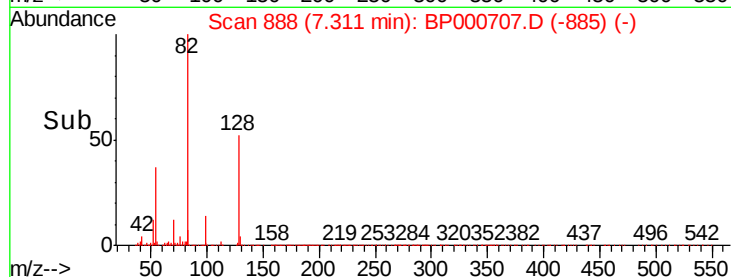
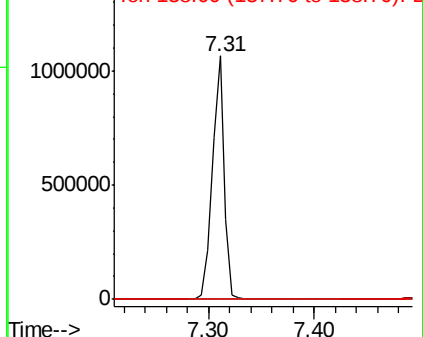
138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

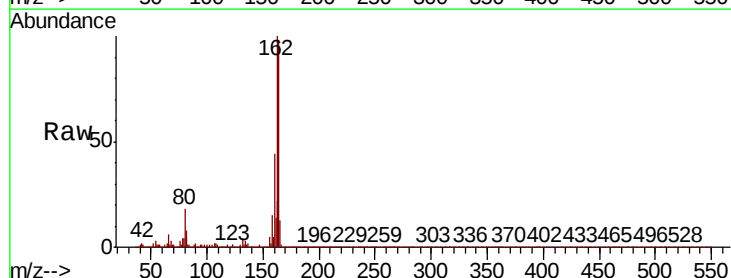
Tgt Ion:164 Resp: 407245

Ion Ratio Lower Upper

164 100

162 102.4 82.2 123.2

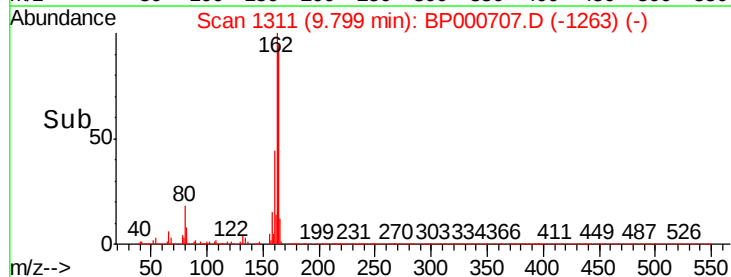
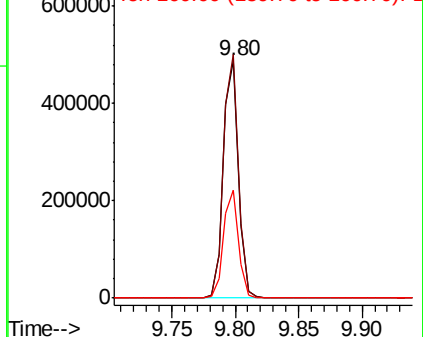
160 45.3 37.6 56.4

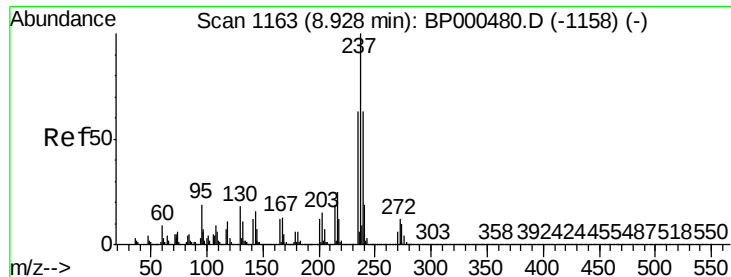


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.301 ng

RT: 8.93 min Scan# 1164

Delta R.T. 0.01 min

Lab File: BP000707.D

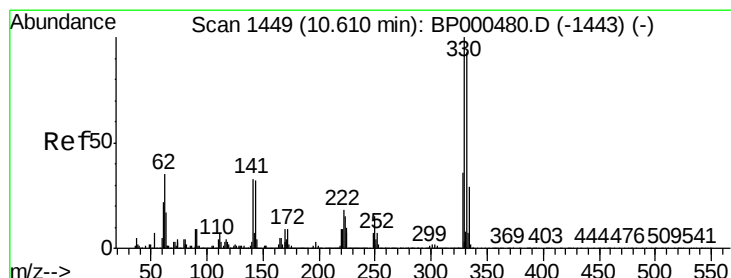
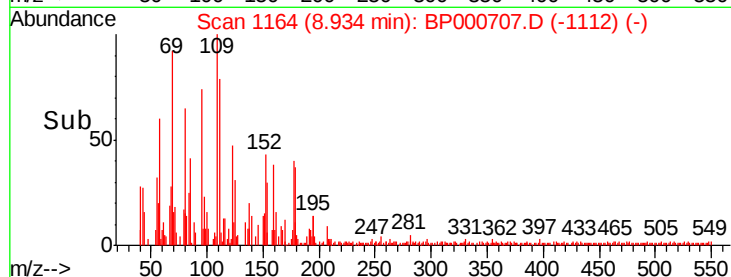
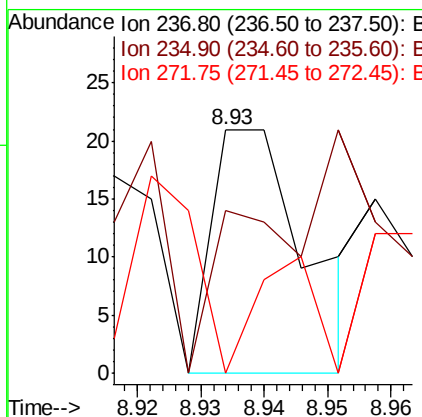
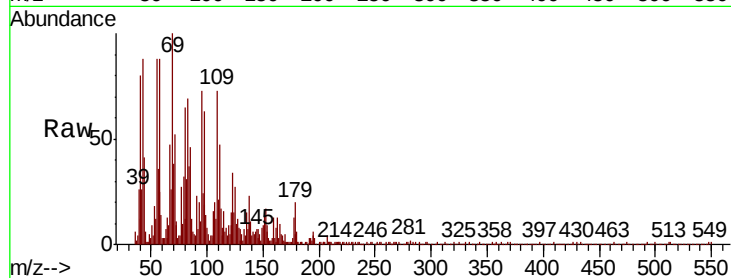
Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

ClientSampled :

Tot Ion:	237	Resp:	22
Ion	Ratio	Lower	Upper
237	100		
235	66.7	42.9	82.9
272	0.0	0.0	32.4



#42

2,4,6-Tribromophenol

Concen: 2.360 ng

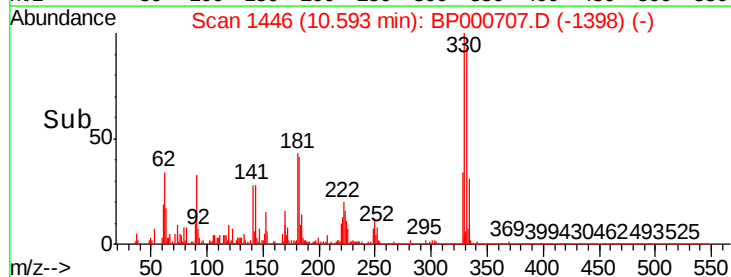
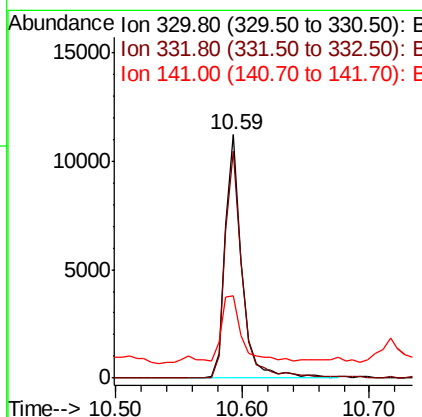
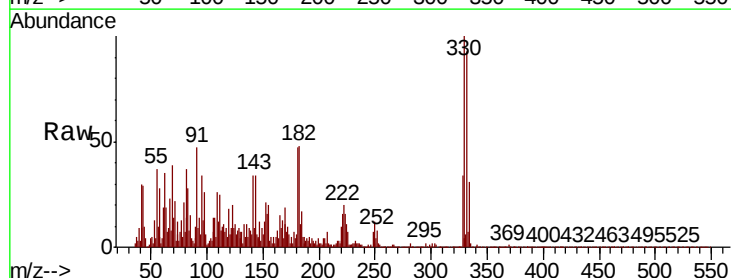
RT: 10.59 min Scan# 1446

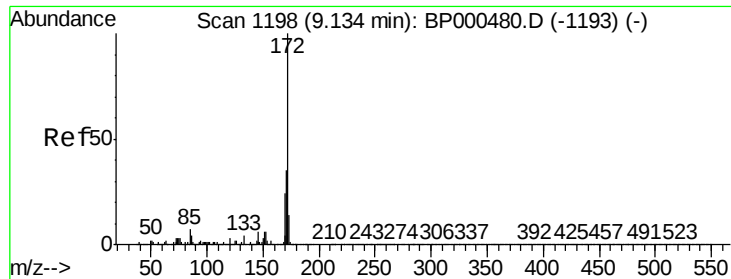
Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Tgt Ion:	330	Resp:	10240
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	34.2	26.0	39.0

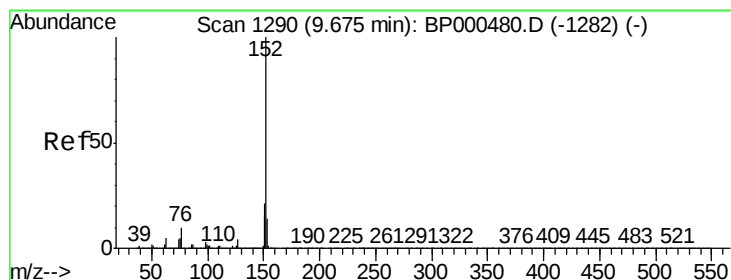
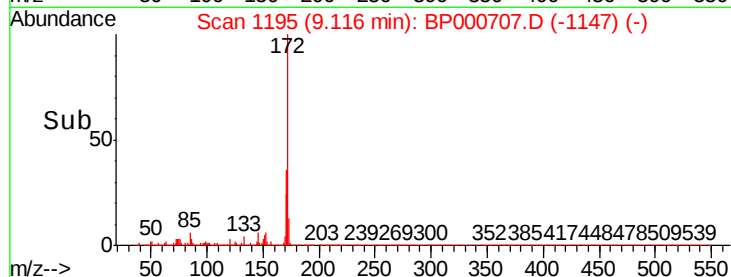
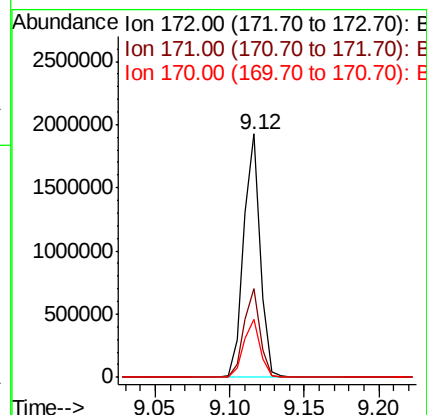
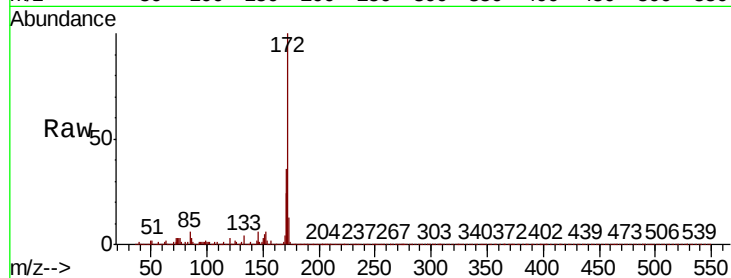




#45
2-Fluorobiphenyl
Concen: 59.609 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

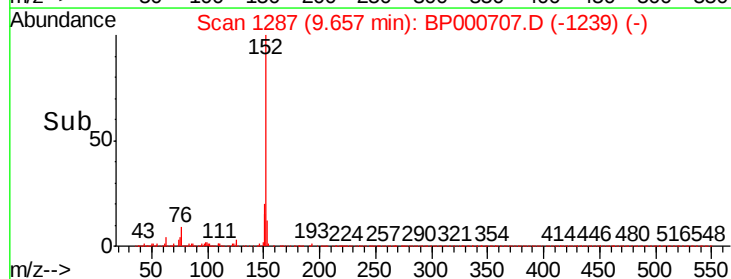
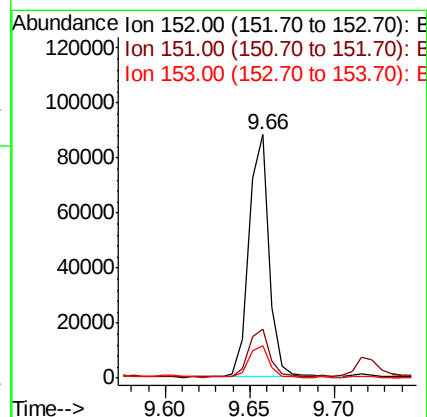
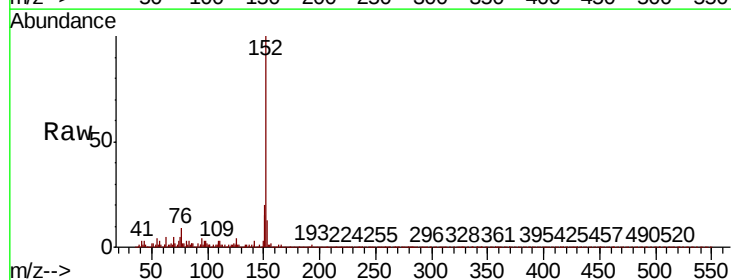
Instrument :
BNA_P
ClientSampleId :

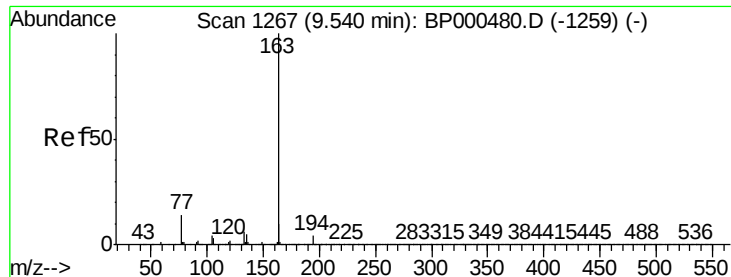
Tot Ion:172 Resp: 1500341
Ion Ratio Lower Upper
172 100
171 36.2 28.4 42.6
170 24.0 19.1 28.7



#49
Acenaphthylene
Concen: 2.037 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion:152 Resp: 73047
Ion Ratio Lower Upper
152 100
151 20.2 16.6 25.0
153 13.3 11.0 16.6

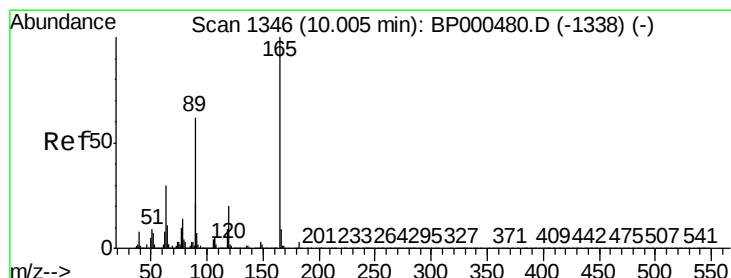
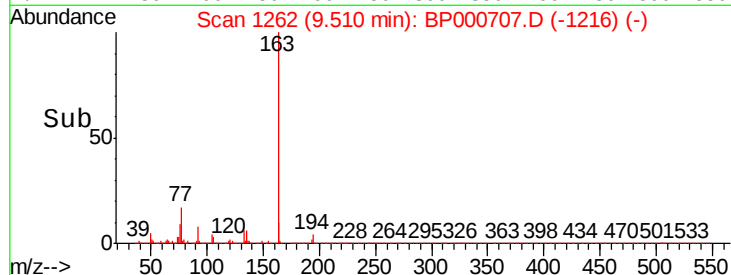
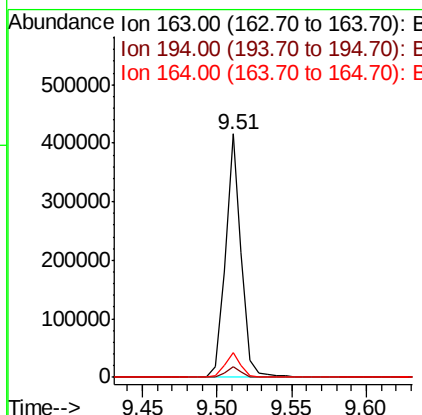
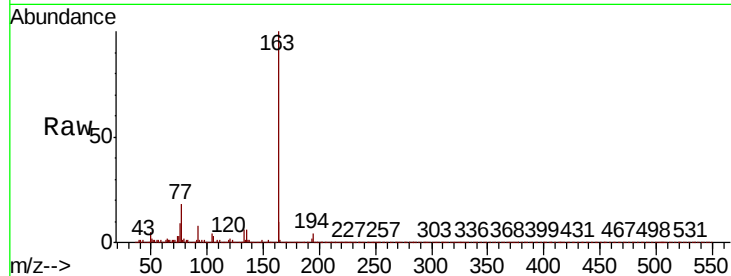




#50
Dimethylphthalate
Concen: 10.881 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

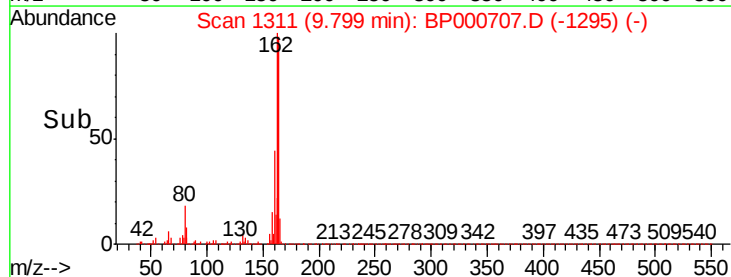
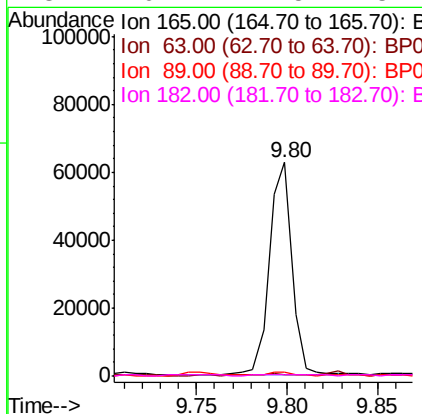
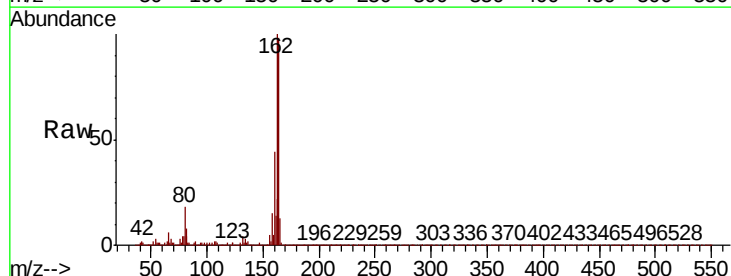
Instrument :
BNA_P
ClientSampled :

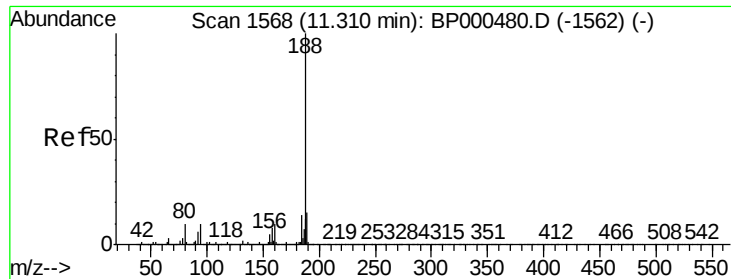
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.2	8.0	12.0



#57
2,4-Dinitrotoluene
Concen: 6.588 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	24.2	36.4#
89	1.6	49.4	74.0#
182	0.4	2.5	3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

ClientSampled :

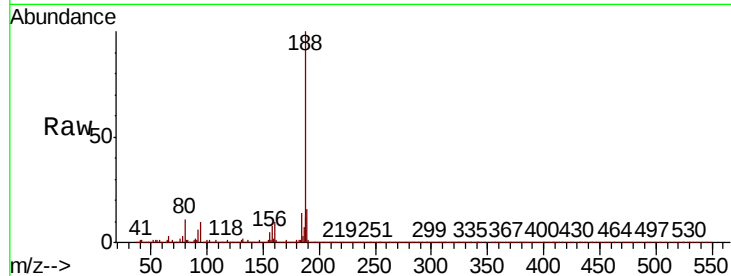
Tot Ion:188 Resp: 745147

Ion Ratio Lower Upper

188 100

94 10.4 8.2 12.2

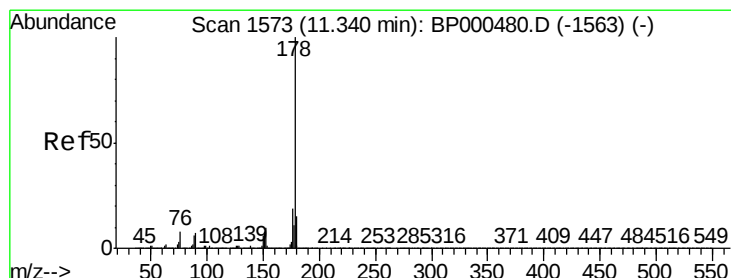
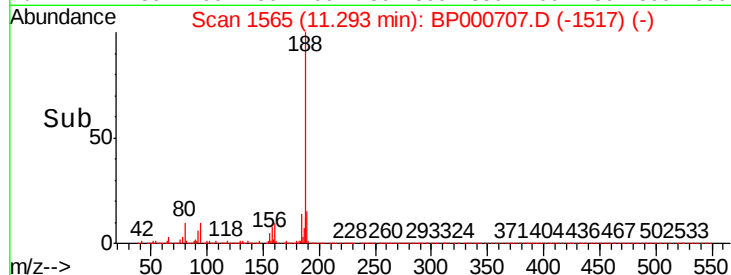
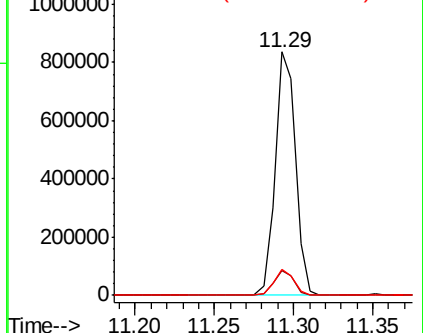
80 10.5 8.3 12.5



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: 3.515 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

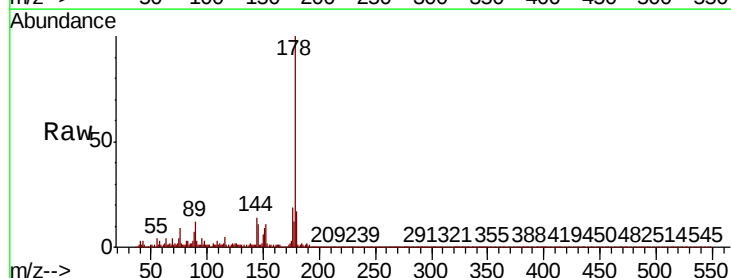
Tgt Ion:178 Resp: 131534

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

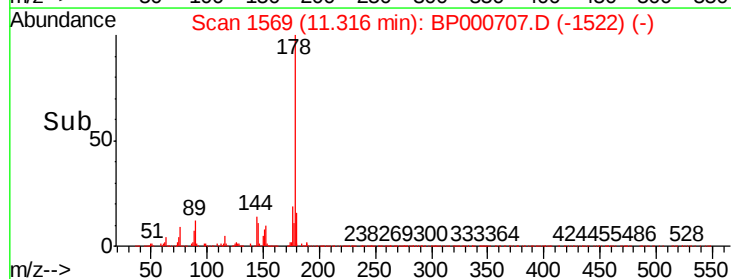
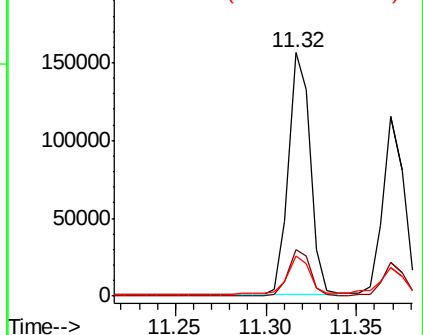
179 16.6 12.2 18.4

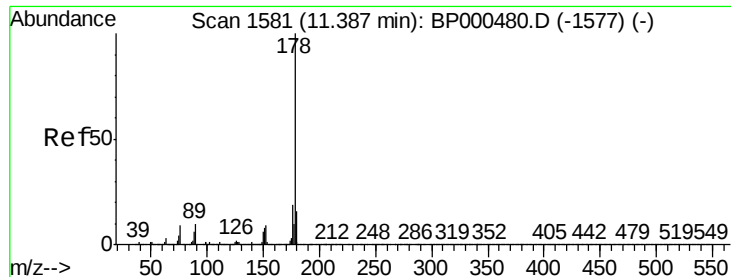


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.462 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

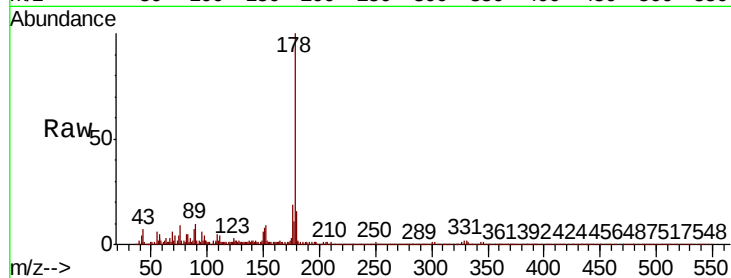
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 91348

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	16.1	12.6	19.0

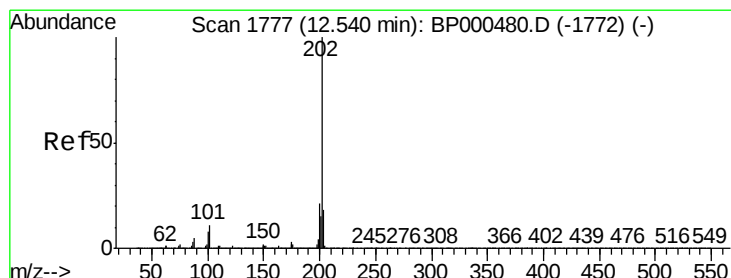
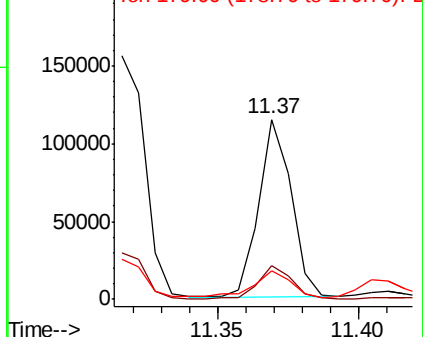
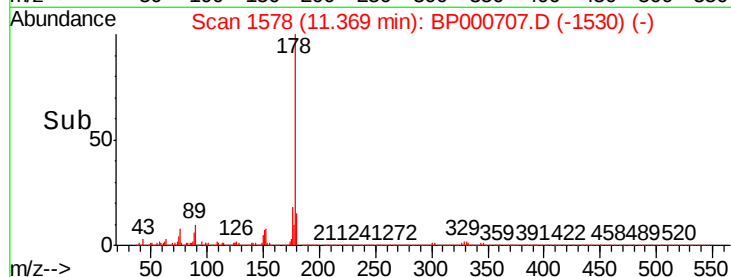


Abundance

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: 12.181 ng

RT: 12.52 min Scan# 1774

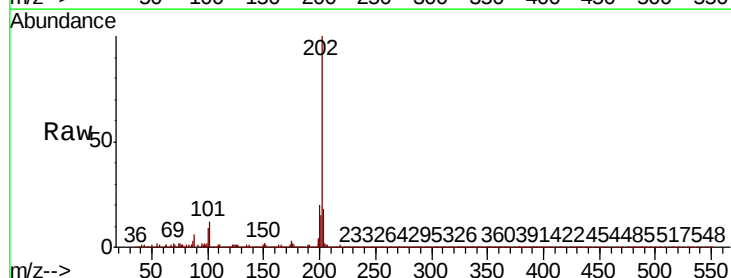
Delta R.T. -0.02 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Tgt Ion:202 Resp: 511969

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.3
203	17.9	0.0	38.1

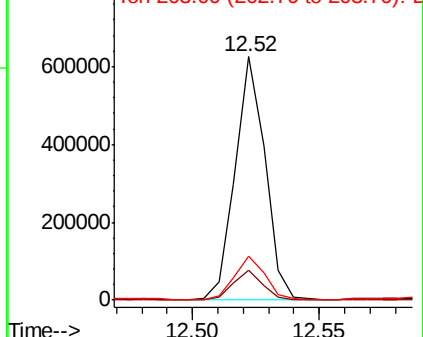
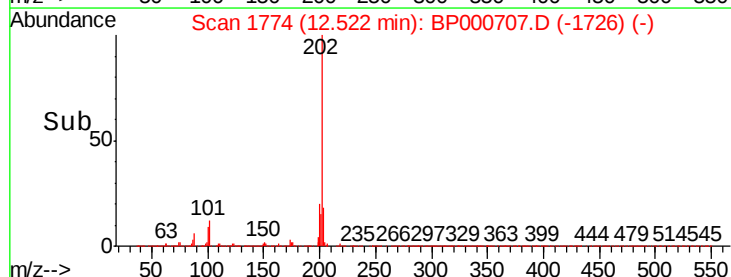


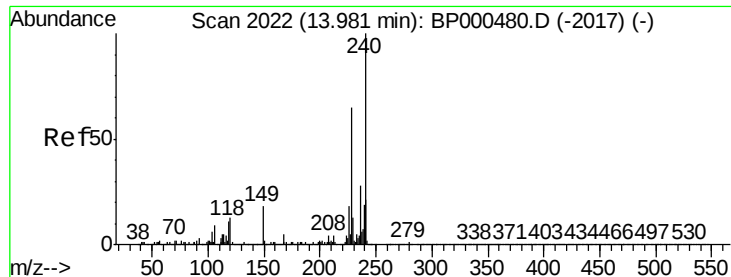
Abundance

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

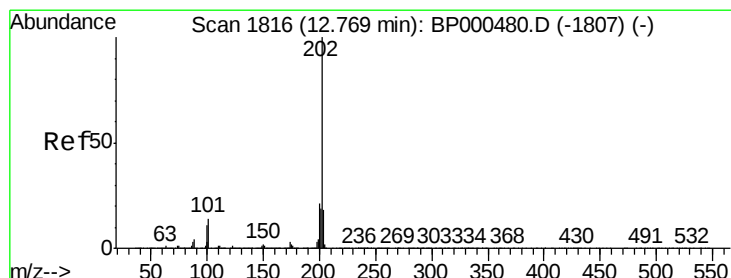
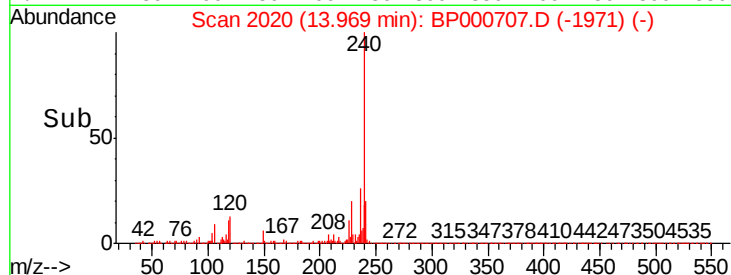
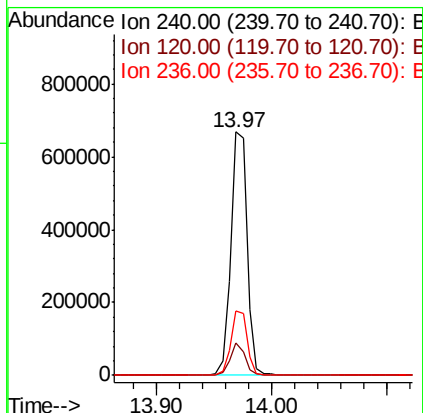
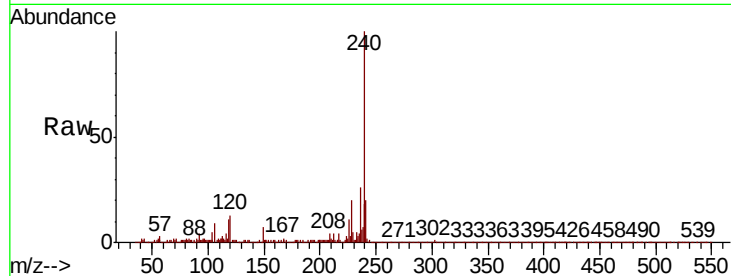




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

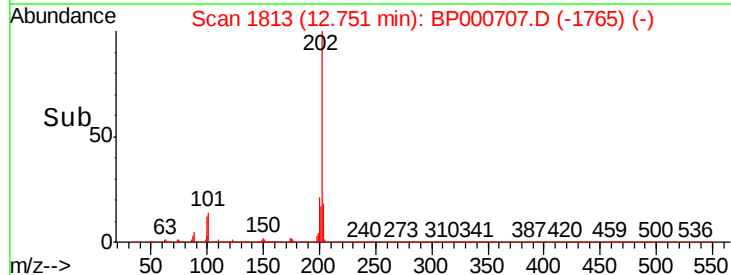
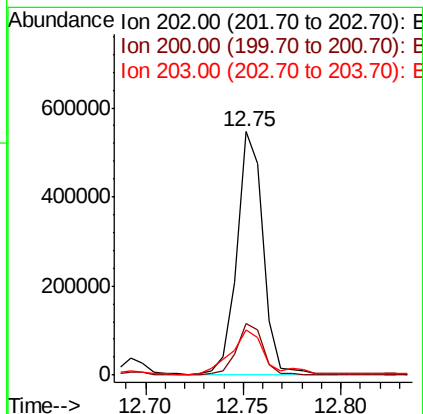
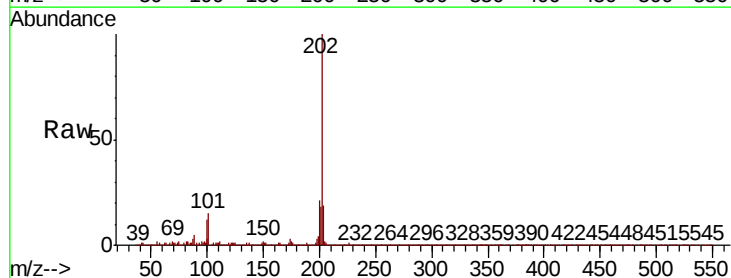
Instrument :
BNA_P
ClientSampleId :

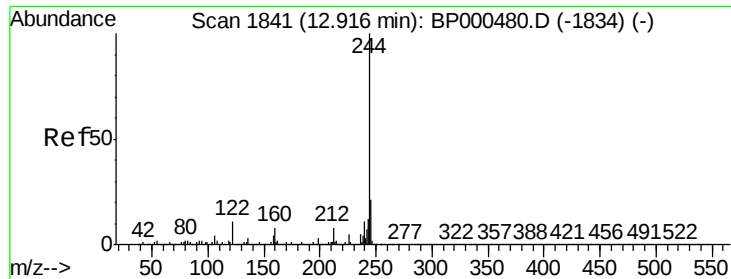
Tot Ion:240 Resp: 646671
Ion Ratio Lower Upper
240 100
120 13.2 10.1 15.1
236 26.2 22.7 34.1



#78
Pyrene
Concen: 11.257 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion:202 Resp: 502063
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.5 14.6 21.8





#79

Terphenyl-d14

Concen: 54.812 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

ClientSampleId :

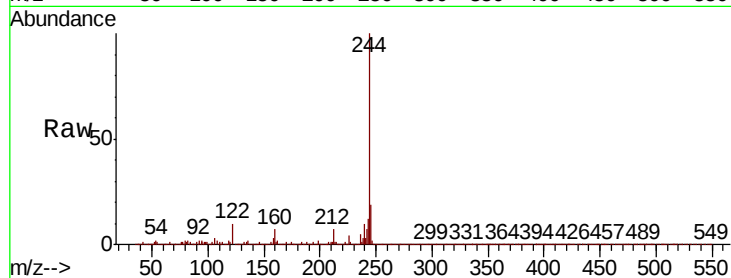
Tot Ion:244 Resp: 1750635

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

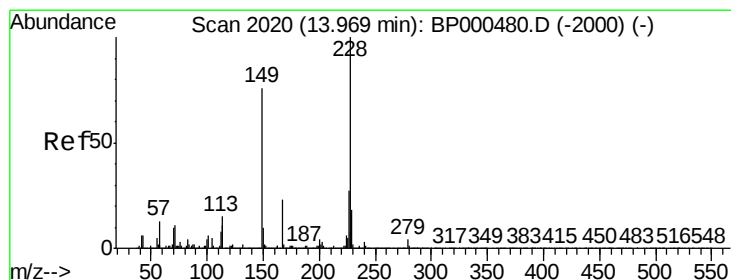
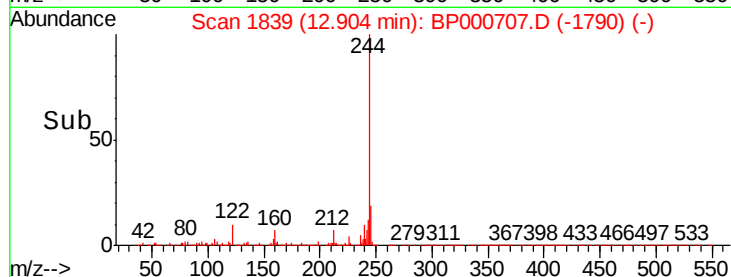
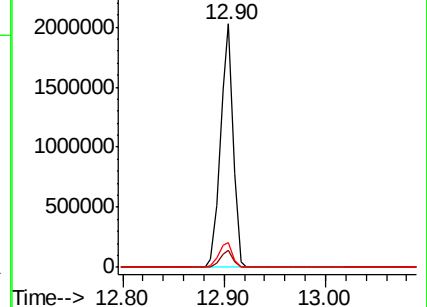
122 10.1 8.9 13.3



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: 7.586 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.03 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

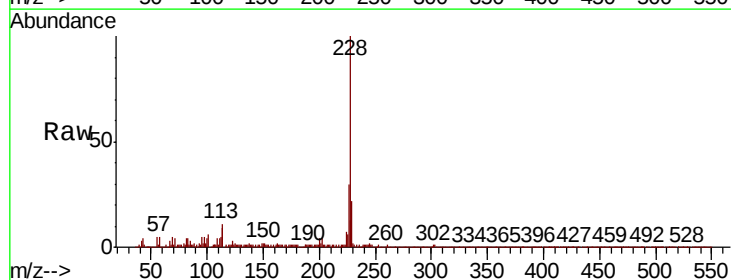
Tgt Ion:228 Resp: 299299

Ion Ratio Lower Upper

228 100

226 29.8 21.4 32.2

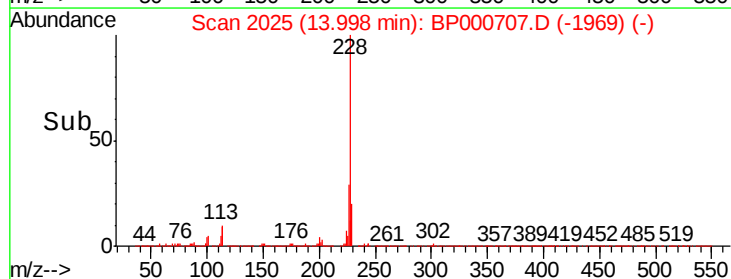
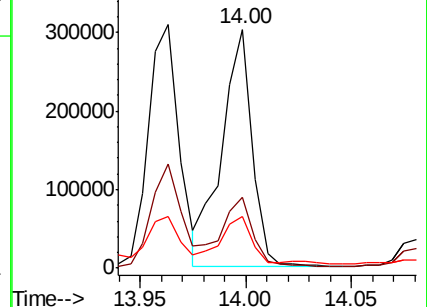
229 21.6 14.7 22.1

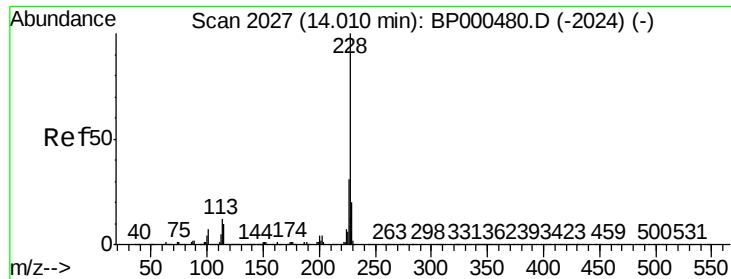


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.729 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

Instrument :

BNA_P

ClientSampleId :

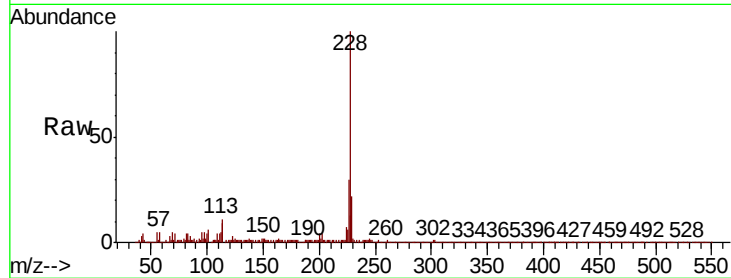
Tot Ion:228 Resp: 299299

Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

229 21.6 16.3 24.5

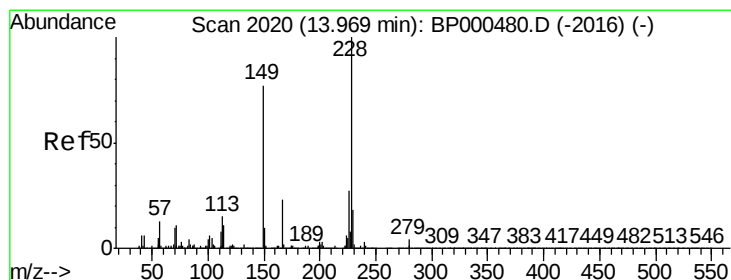
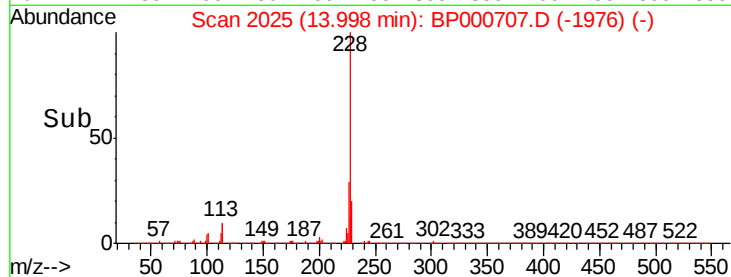
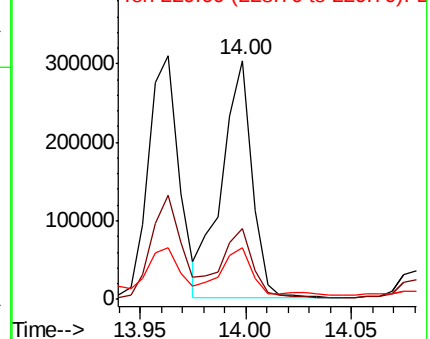


Abundance

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: 5.810 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000707.D

Acq: 14 Oct 2019 13:52

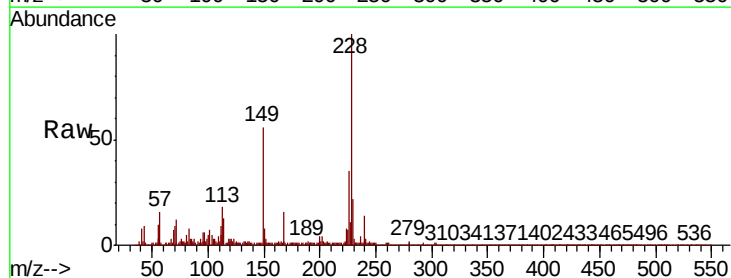
Tgt Ion:149 Resp: 142011

Ion Ratio Lower Upper

149 100

167 28.3 23.6 35.4

279 4.1 3.9 5.9

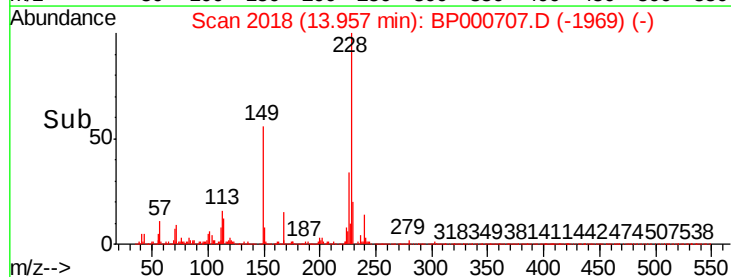
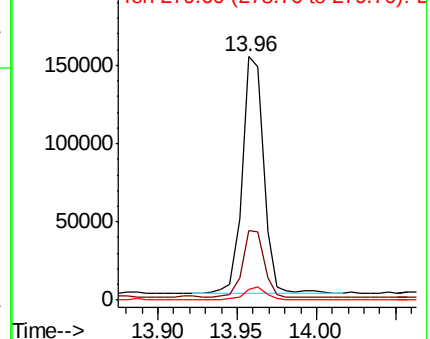


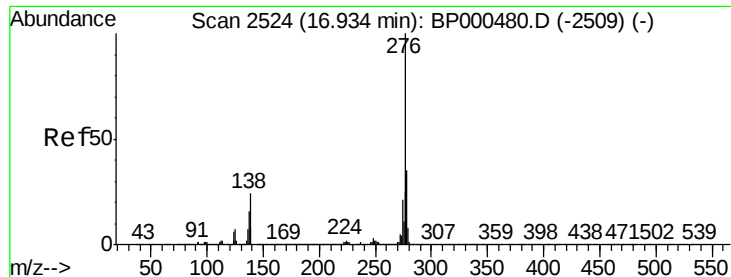
Abundance

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

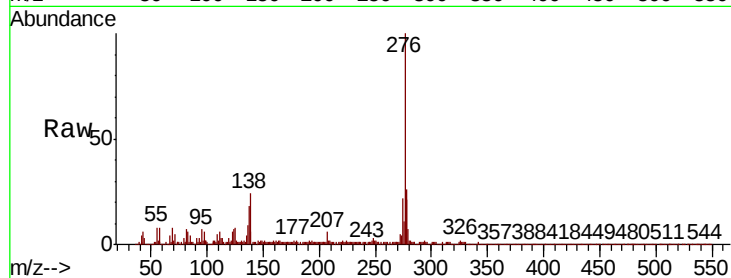




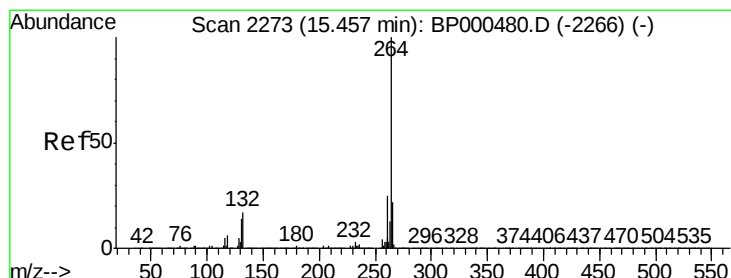
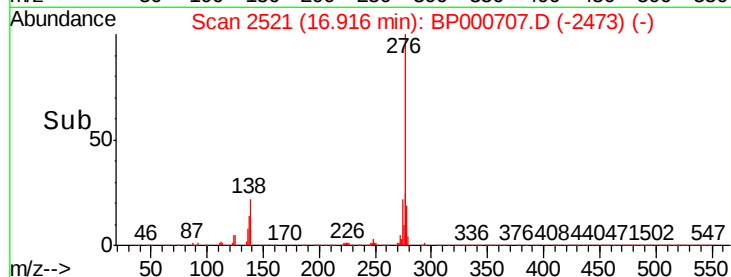
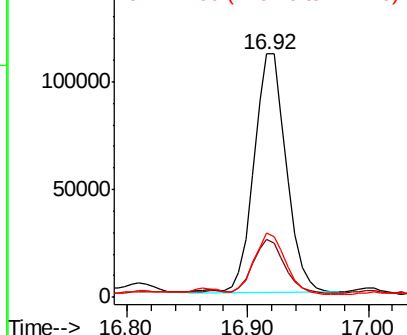
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.297 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BP000707.D
 Acq: 14 Oct 2019 13:52

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:276	Resp:	207856
Ion Ratio	Lower	Upper
276	100	
138	21.9	20.9 31.3
277	24.8	20.6 30.8

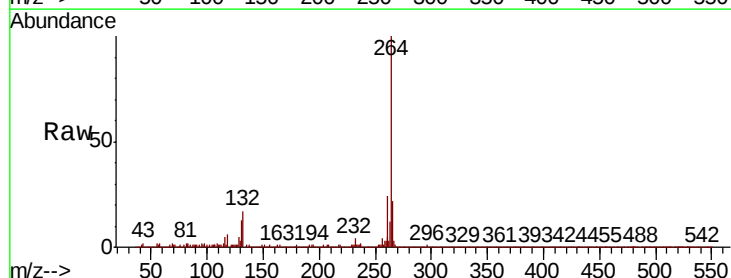


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

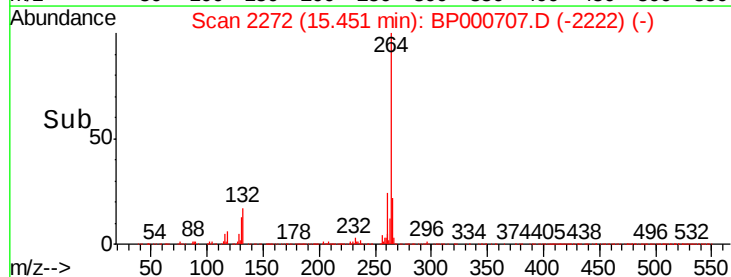
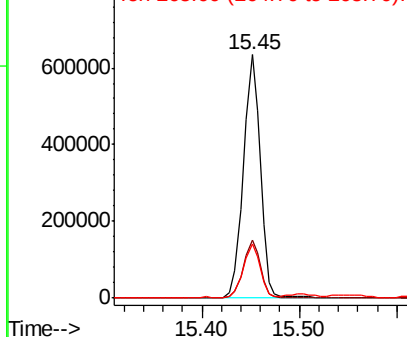


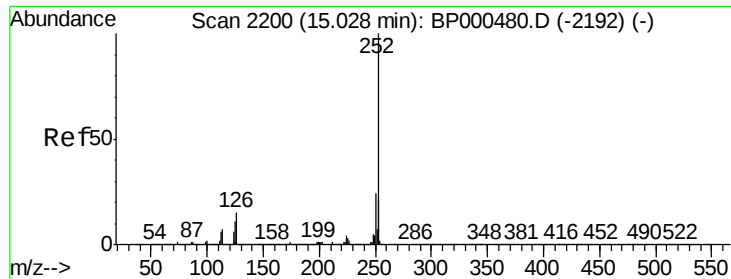
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BP000707.D
 Acq: 14 Oct 2019 13:52

Tgt Ion:264	Resp:	766635
Ion Ratio	Lower	Upper
264	100	
260	24.1	20.3 30.5
265	22.3	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

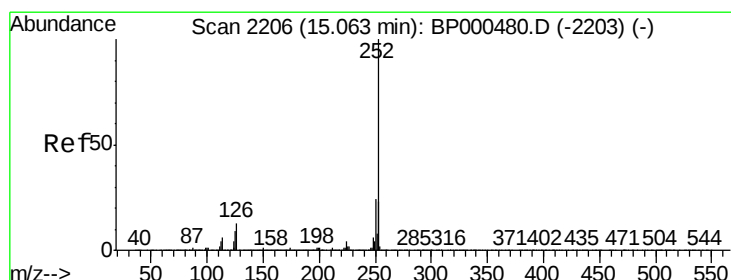
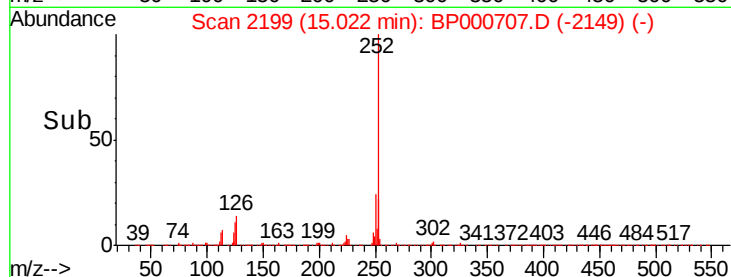
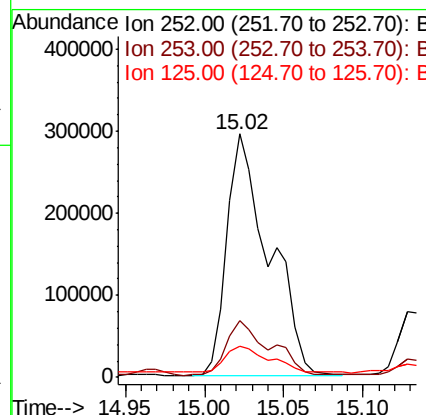
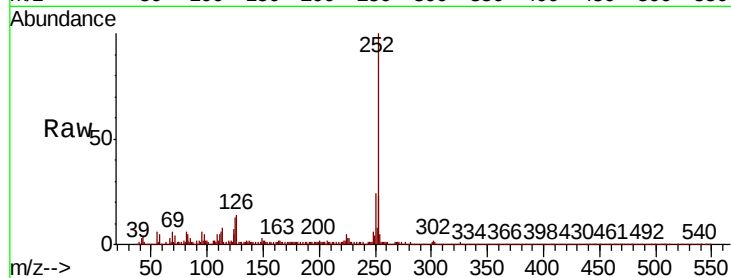




#88
Benzo(b)fluoranthene
Concen: 12.615 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

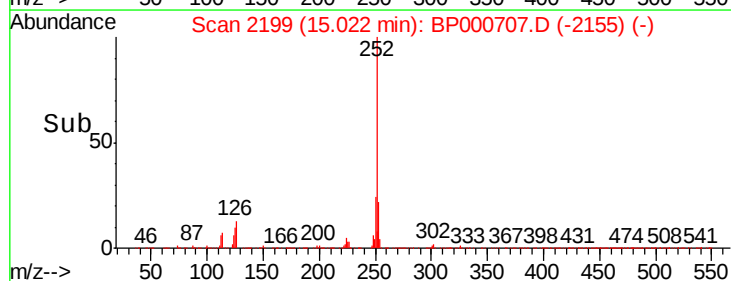
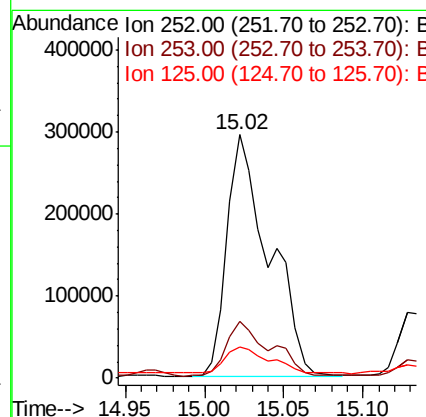
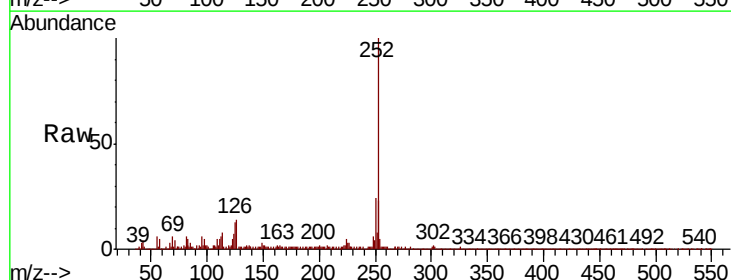
Instrument :
BNA_P
ClientSampleId :

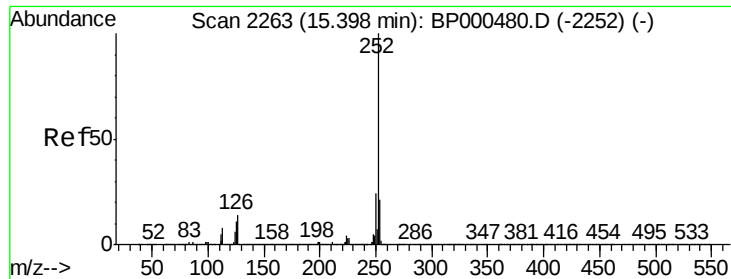
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.4
125	13.0	8.9	13.3



#89
Benzo(k)fluoranthene
Concen: 13.250 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	13.0	7.8	11.8

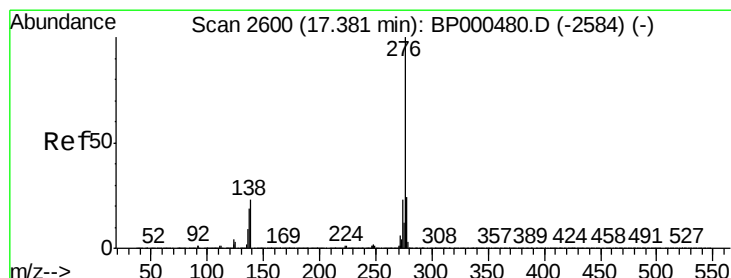
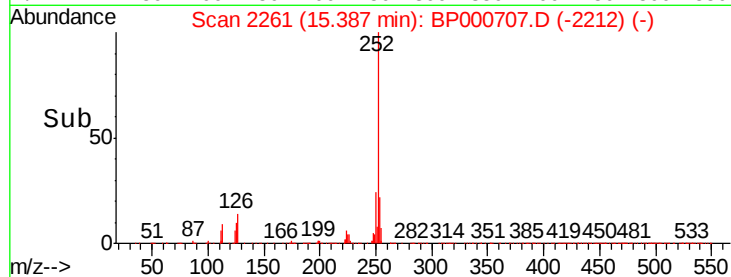
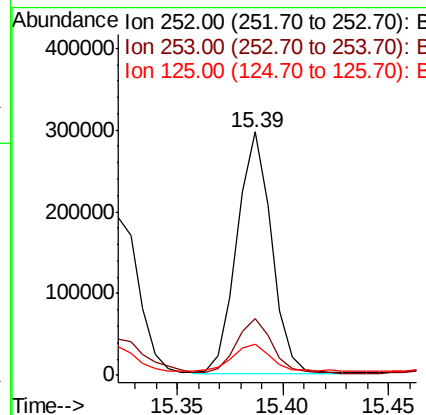
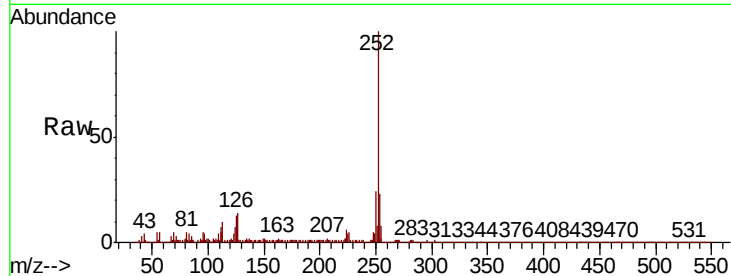




#90
Benzo(a)pyrene
Concen: 8.231 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.7	8.4	12.6



#92
Benzo(g,h,i)perylene
Concen: 5.404 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.02 min
Lab File: BP000707.D
Acq: 14 Oct 2019 13:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	23.6	18.5	27.7

