

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000700.D
 Acq On : 13 Oct 2019 04:29
 Operator : JU
 Sample : K5348-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 14 04:43:19 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	214107	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	754434	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	409131	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	733592	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	631297	20.00	ng	-0.01
87) Perylene-d12	15.45	264	677187	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	216510	16.25	ng	-0.02
7) Phenol-d6	6.39	99	1281605	79.85	ng	-0.02
23) Nitrobenzene-d5	7.31	82	863259	69.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	8262	1.90	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1580853	62.52	ng	-0.02
79) Terphenyl-d14	12.90	244	1725178	55.33	ng	-0.02

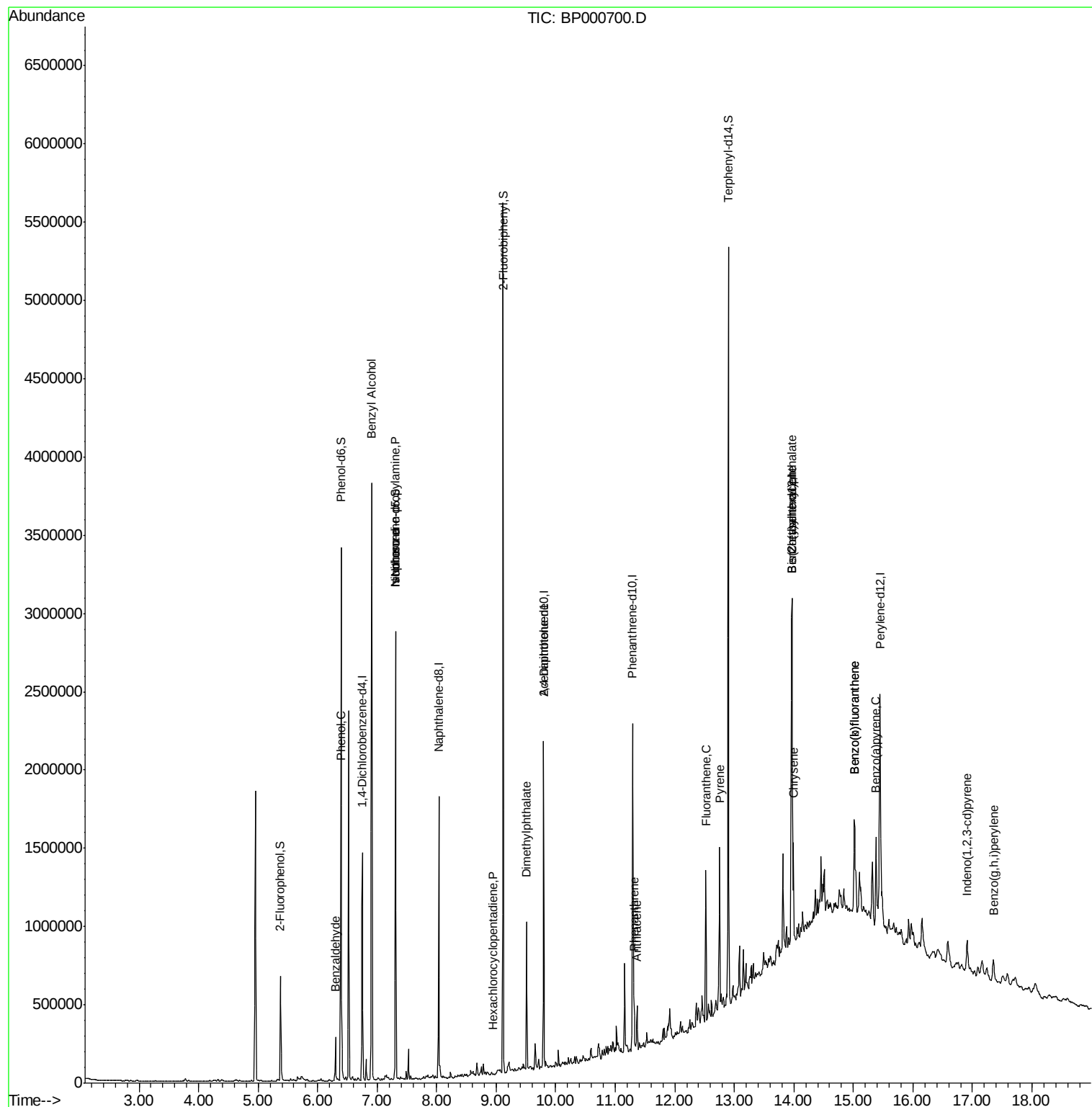
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	57431	6.869	ng	96
10) Phenol	6.40	94	104099	6.334	ng	92
15) Benzyl Alcohol	6.90	79	20988	2.025	ng	# 46
19) n-Nitroso-di-n-propylamine	7.31	70	106465	14.390	ng	# 74
25) Isophorone	7.31	82	862265	39.331	ng	# 61
41) Hexachlorocyclopentadiene	8.95	237	7	7.298	ng	90
50) Dimethylphthalate	9.51	163	328802	11.566	ng	100
57) 2,4-Dinitrotoluene	9.80	165	53741	6.538	ng	# 32
71) Phenanthrene	11.32	178	106432	2.889	ng	98
72) Anthracene	11.37	178	79345	2.172	ng	99
75) Fluoranthene	12.52	202	354252	8.561	ng	99
78) Pvrene	12.75	202	391820	8.999	ng	99
81) Benzo(a)anthracene	13.96	228	250803	6.511	ng	# 80
83) Chrysene	13.99	228	249567	6.601	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	151418	6.346	ng	98
86) Indeno(1,2,3-cd)pyrene	16.91	276	127051	2.690	ng	96
88) Benzo(b)fluoranthene	15.02	252	434211	11.302	ng	# 93
89) Benzo(k)fluoranthene	15.02	252	434211	11.871	ng	# 94
90) Benzo(a)pvrene	15.38	252	247352	6.907	ng	# 93
92) Benzo(a,h,i)perylene	17.35	276	128753	3.648	ng	97

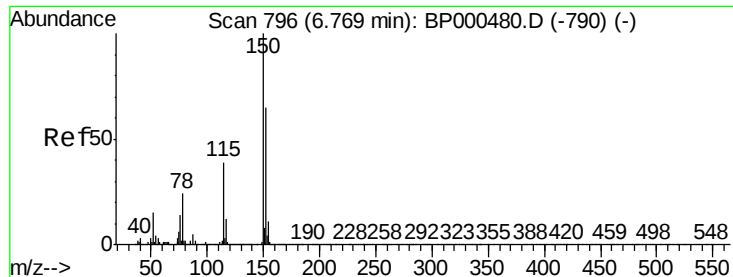
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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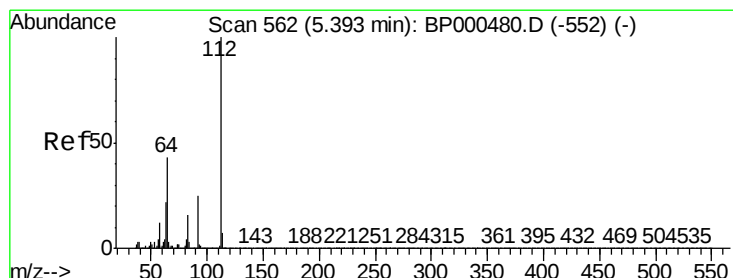
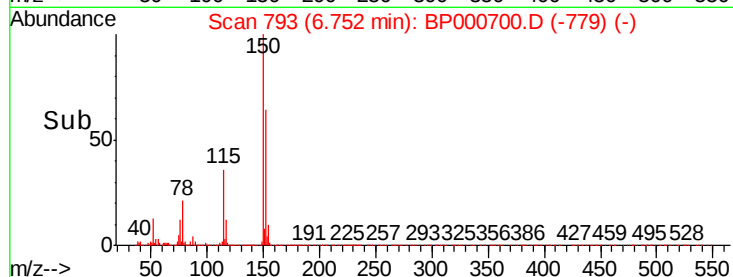
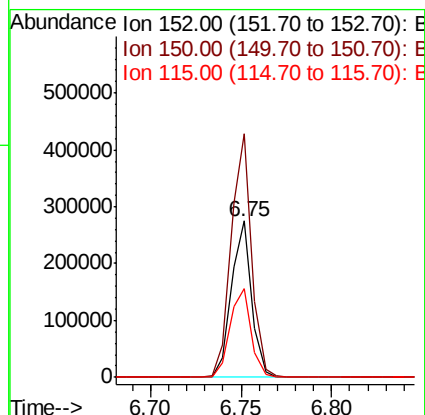
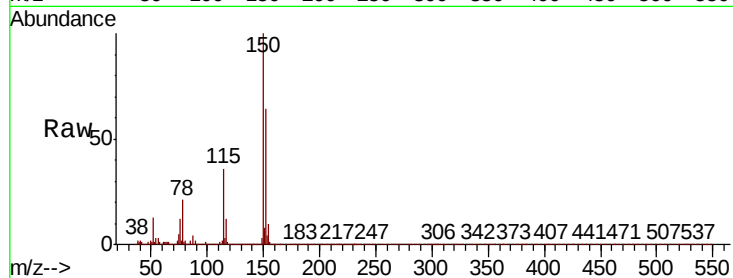


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampled :

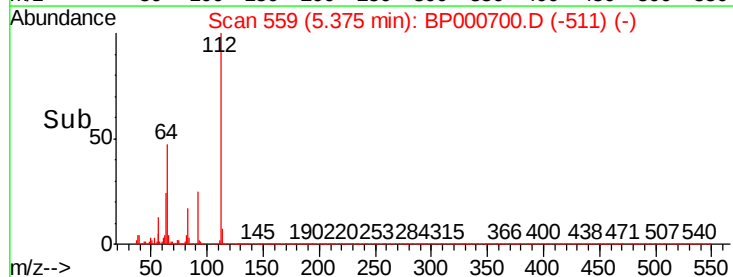
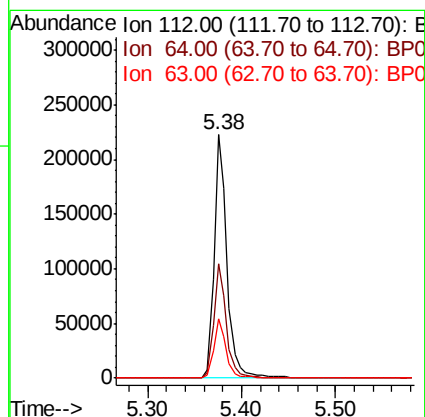
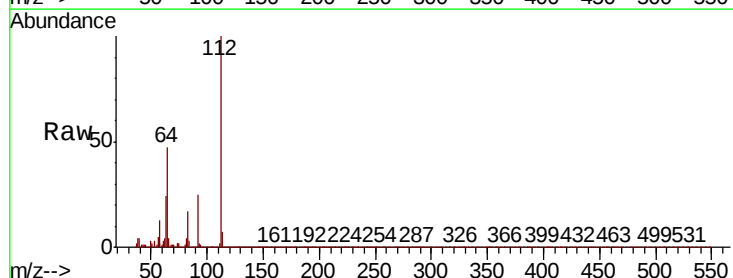
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.1	186.1
115	56.7	48.7	73.1

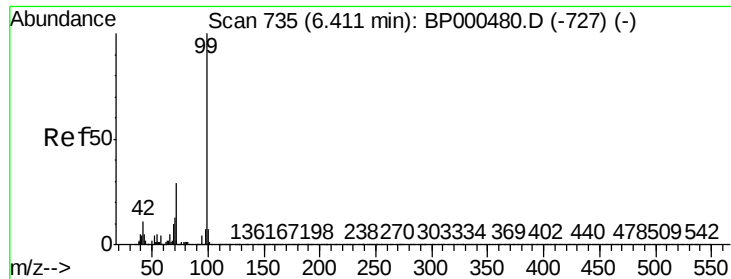


#5

2-Fluorophenol
Concen: 16.255 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.0	34.2	51.4
63	24.2	17.9	26.9





#7

Phenol-d6

Concen: 79.847 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

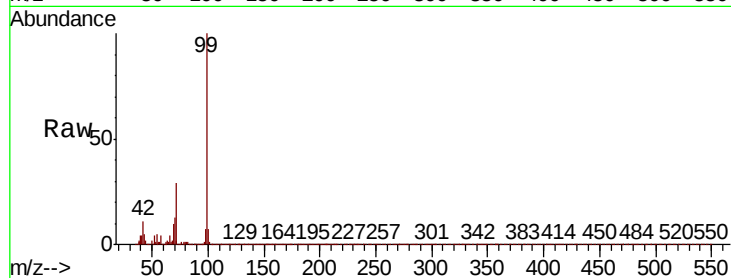
Instrument :

BNA_P

ClientSampled :

Tot Ion: 99 Resp: 1281605

Ion	Ratio	Lower	Upper
99	100		
42	11.0	8.6	12.8
71	29.2	23.0	34.4

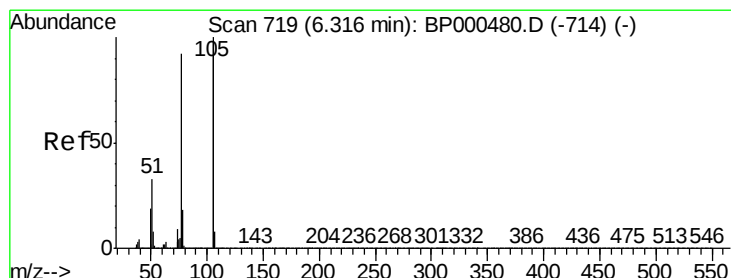
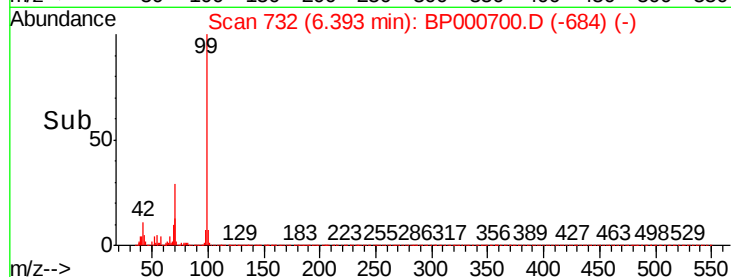


Abundance

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: 6.869 ng

RT: 6.30 min Scan# 716

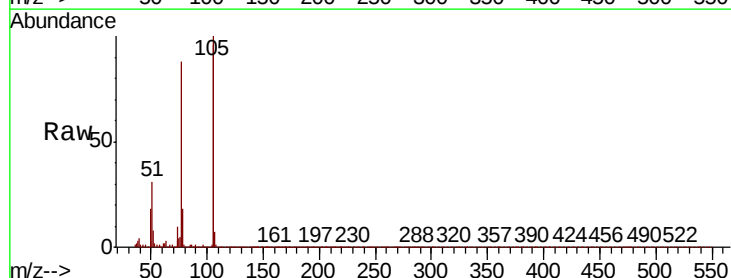
Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Tgt Ion: 77 Resp: 57431

Ion	Ratio	Lower	Upper
77	100		
105	113.3	88.3	128.3
106	109.2	85.7	125.7

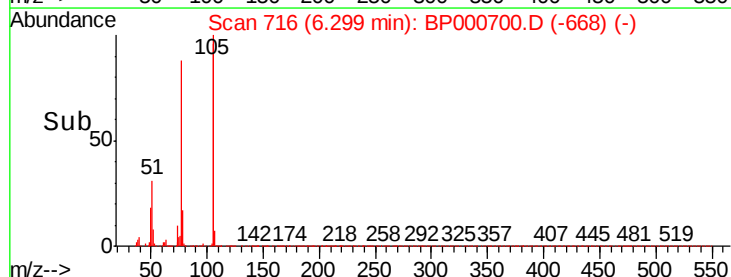


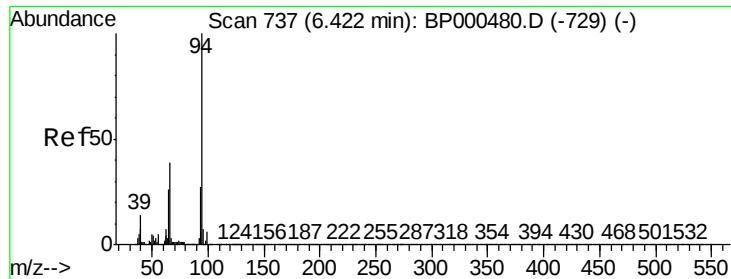
Abundance

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: 6.334 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

ClientSampleId :

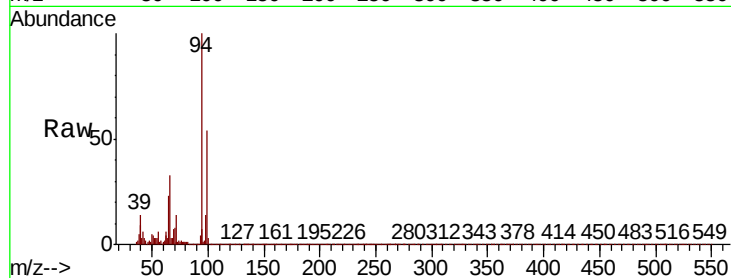
Tot Ion: 94 Resp: 104099

Ion Ratio Lower Upper

94 100

65 23.0 5.9 45.9

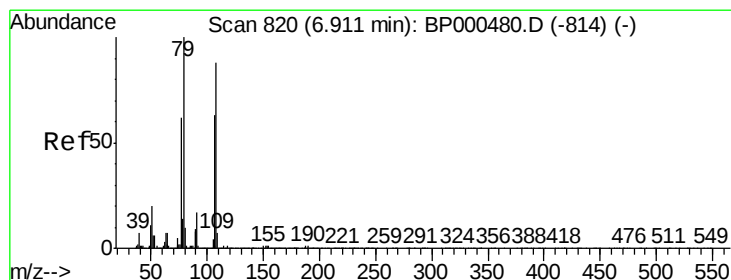
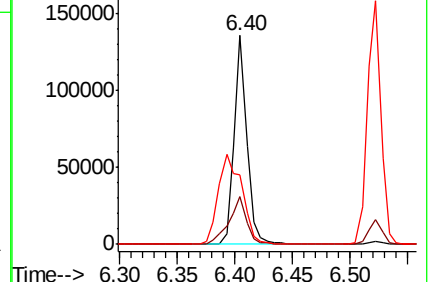
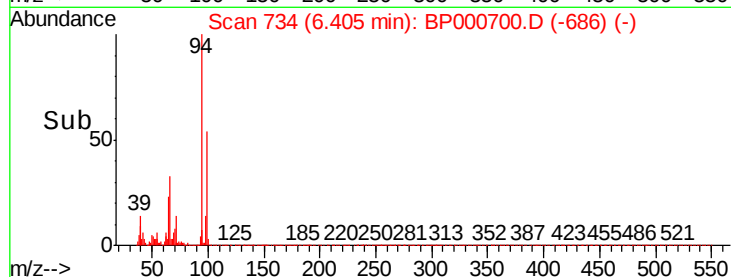
66 33.0 18.8 58.8



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



#15

Benzyl Alcohol

Concen: 2.025 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.01 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

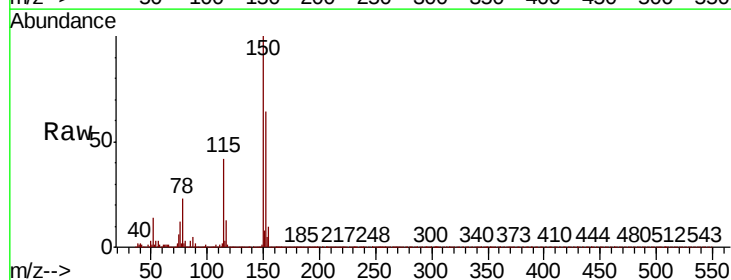
Tgt Ion: 79 Resp: 20988

Ion Ratio Lower Upper

79 100

108 39.5 70.8 106.2#

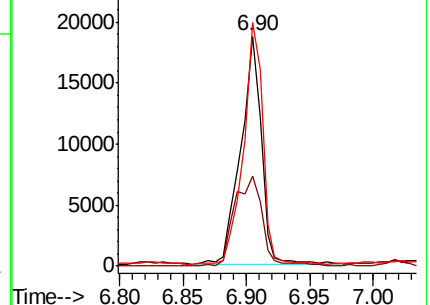
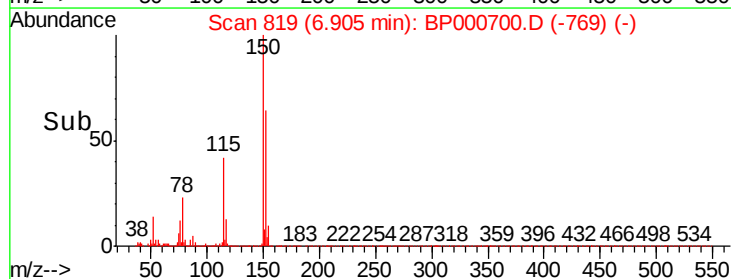
77 106.1 50.0 75.0#

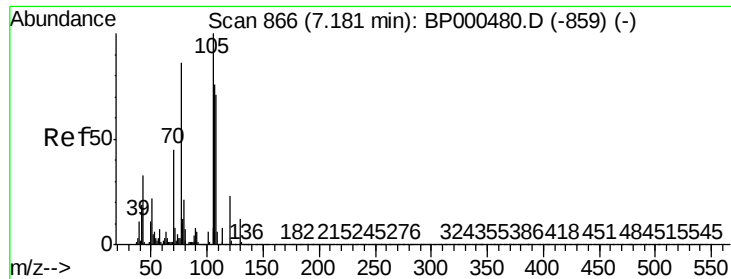


Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

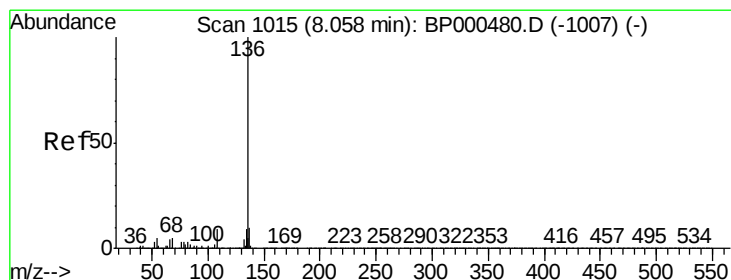
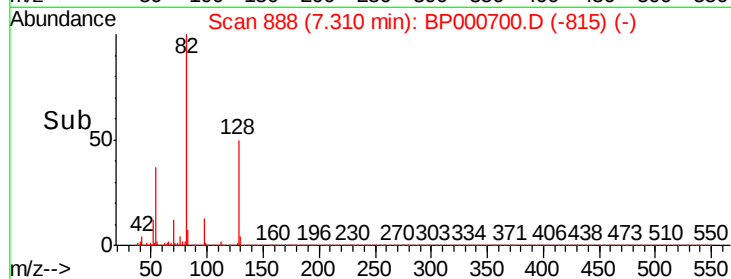
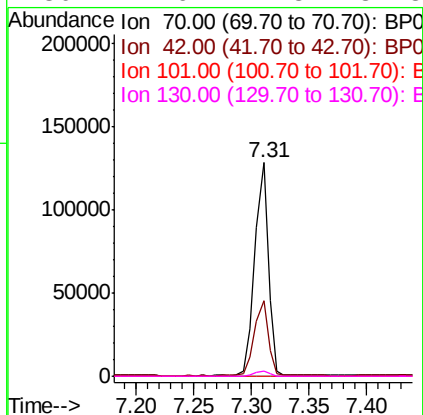
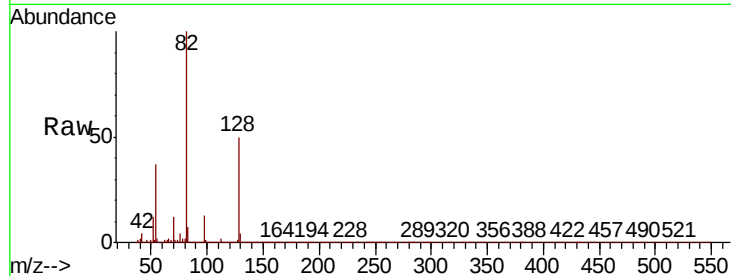




#19
n-Nitroso-di-n-propylamine
Concen: 14.390 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.13 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

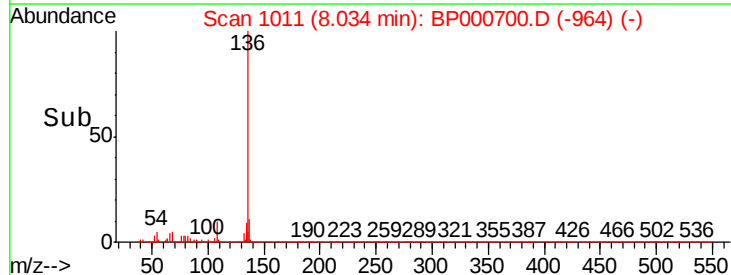
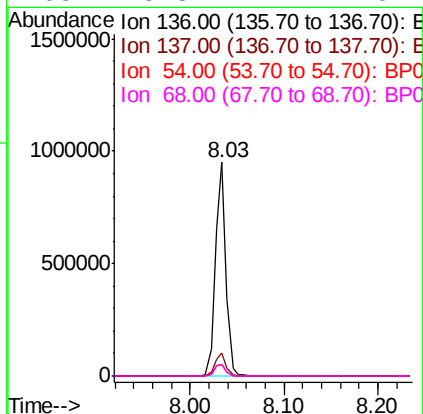
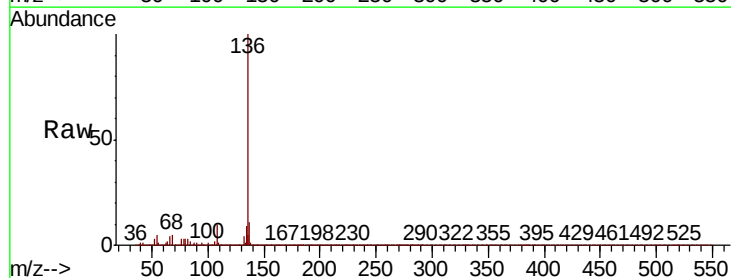
Instrument :
BNA_P
ClientSampleId :

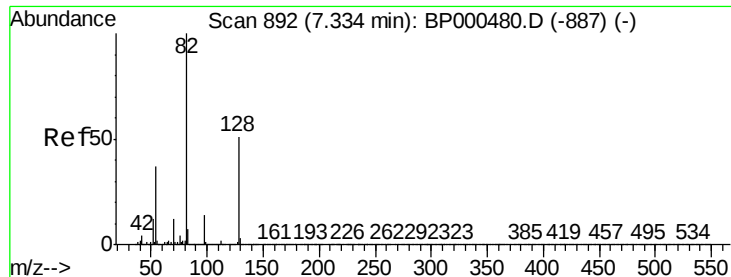
Tot Ion:	70	Resp:	106465
Ion	Ratio	Lower	Upper
70	100		
42	35.3	33.2	49.8
101	0.1	9.9	14.9#
130	2.6	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion:	136	Resp:	754434
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	5.4	4.1	6.1
68	5.3	4.1	6.1





#23

Nitrobenzene-d5

Concen: 69.885 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

ClientSampleId :

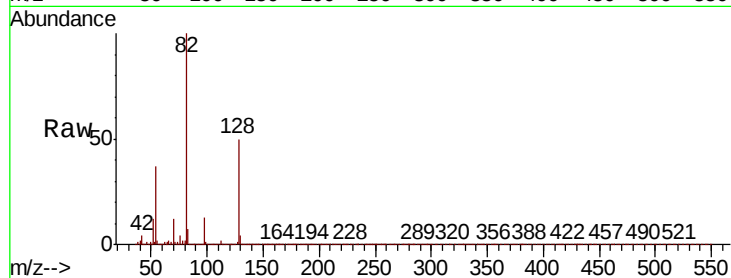
Tot Ion: 82 Resp: 863259

Ion Ratio Lower Upper

82 100

128 49.9 40.9 61.3

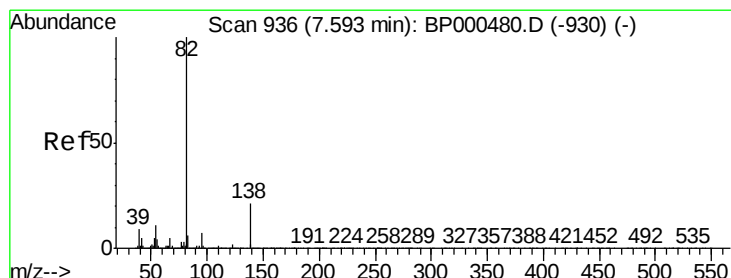
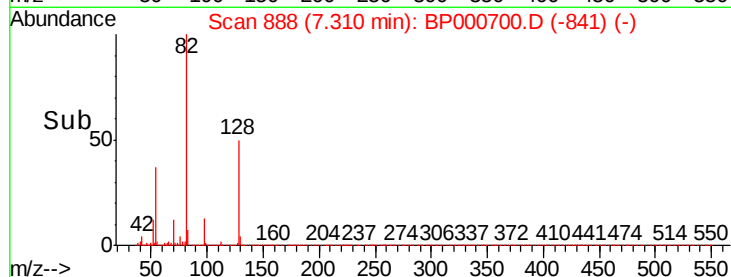
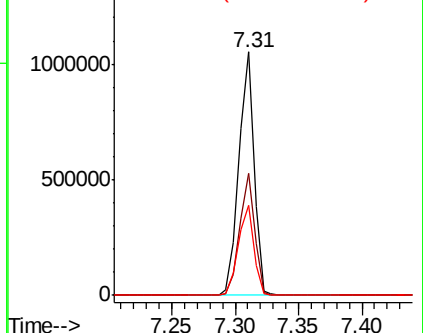
54 36.8 29.4 44.2



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: 39.331 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

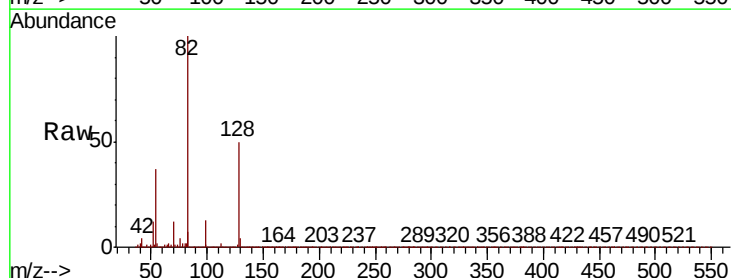
Tgt Ion: 82 Resp: 862265

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

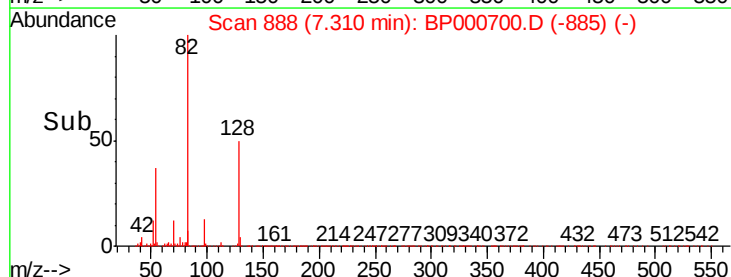
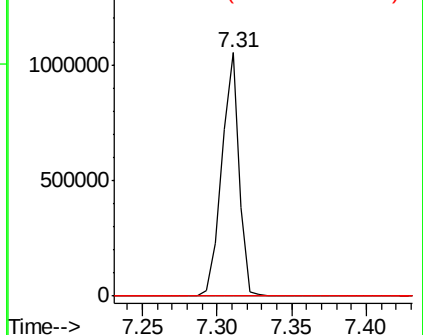
138 0.0 17.0 25.4#

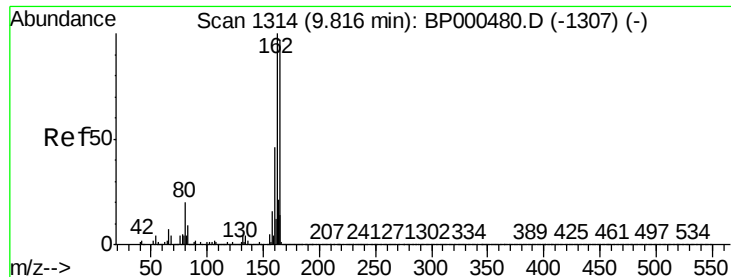


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E

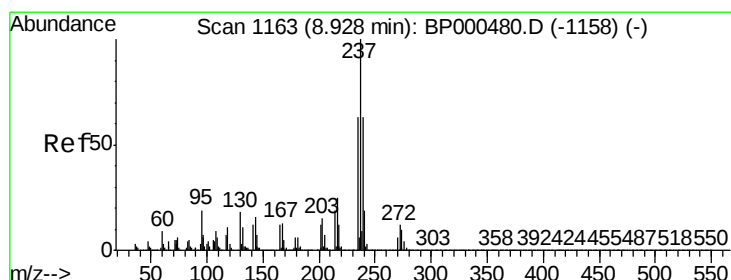
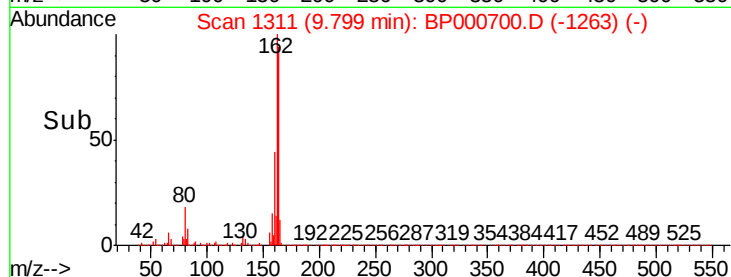
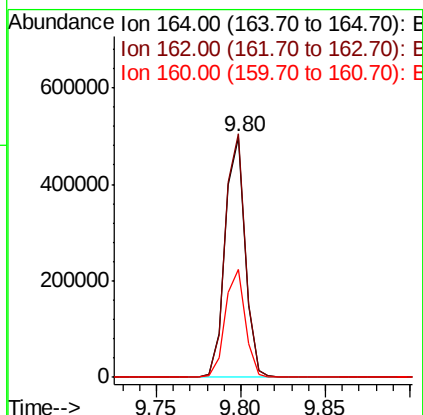
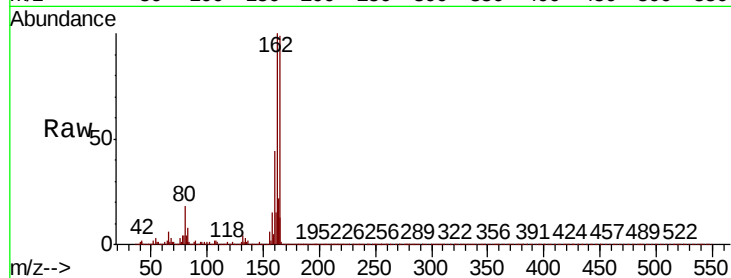




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

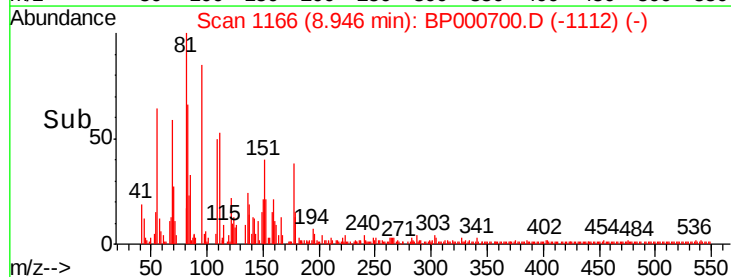
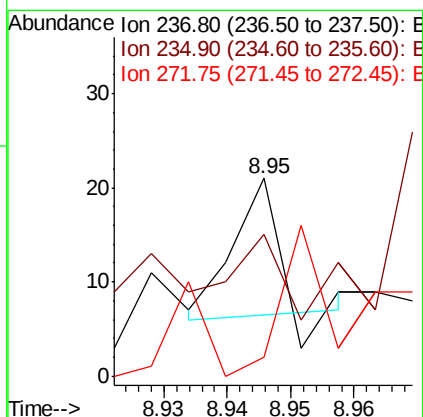
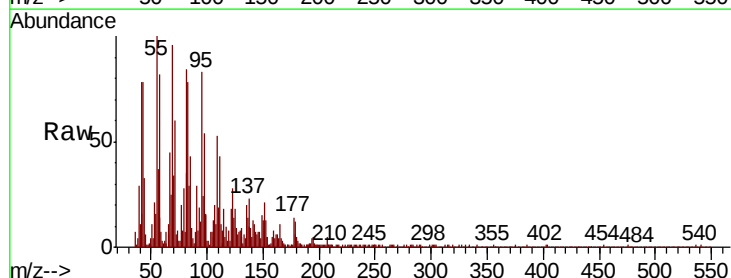
Instrument :
BNA_P
ClientSampleId :

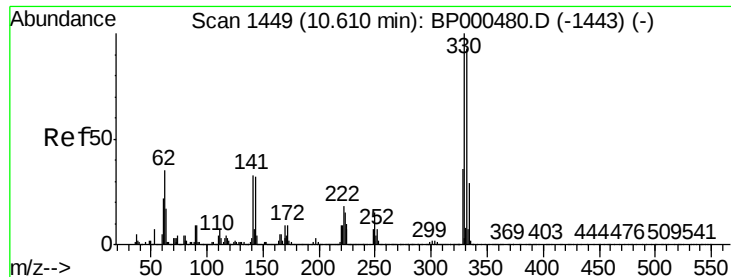
Tot Ion:164 Resp: 409131
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.2
160 44.9 37.6 56.4



#41
Hexachlorocyclopentadiene
Concen: 7.298 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion:237 Resp: 7
Ion Ratio Lower Upper
237 100
235 71.4 42.9 82.9
272 9.5 0.0 32.4

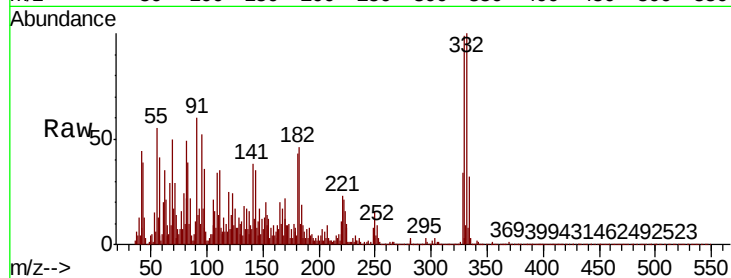




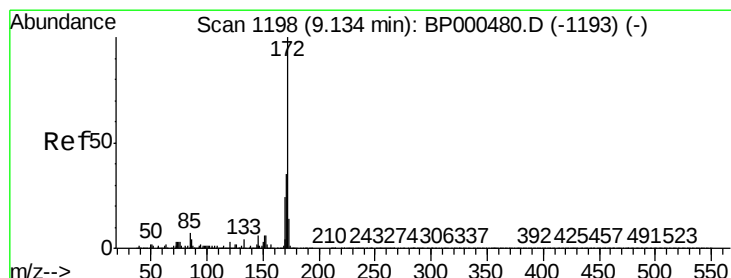
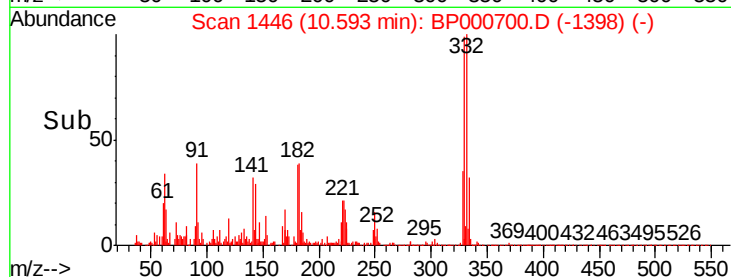
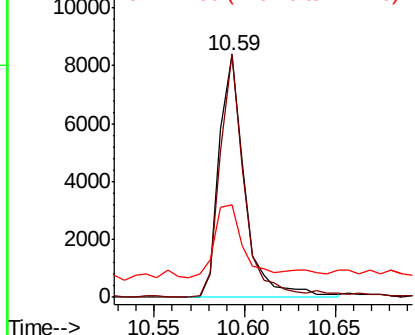
#42
2,4,6-Tribromophenol
Concen: 1.895 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 8262
Ion Ratio Lower Upper
330 100
332 93.2 77.1 115.7
141 32.3 26.0 39.0

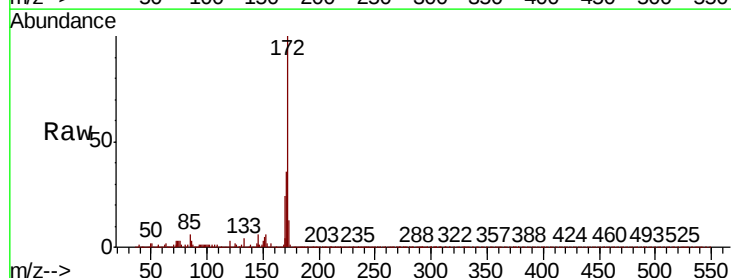


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

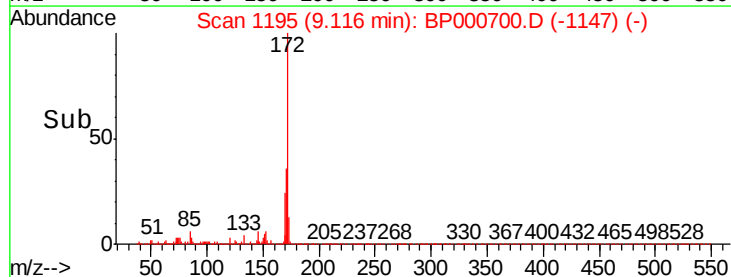
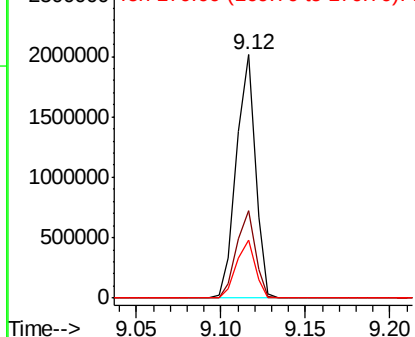


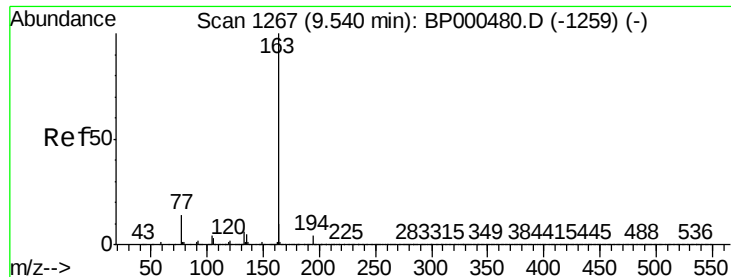
#45
2-Fluorobiphenyl
Concen: 62.518 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion:172 Resp: 1580853
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.1 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

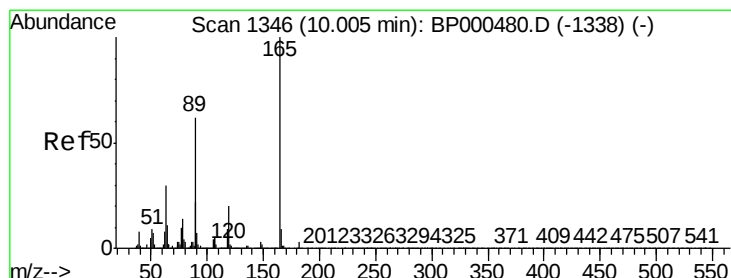
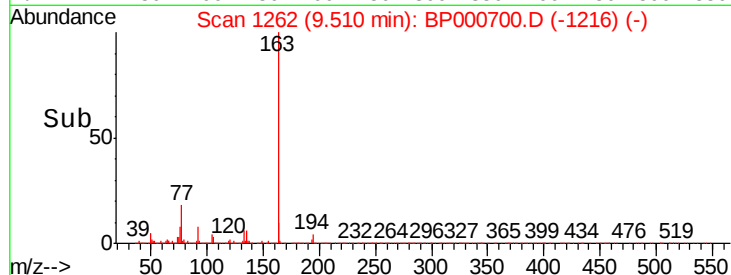
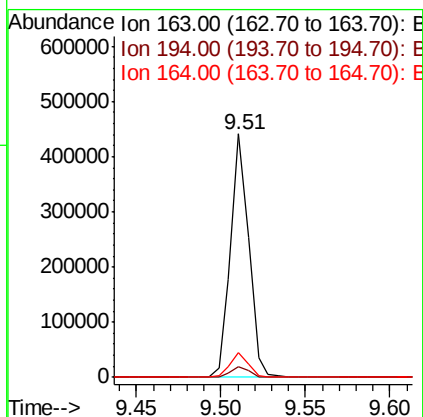
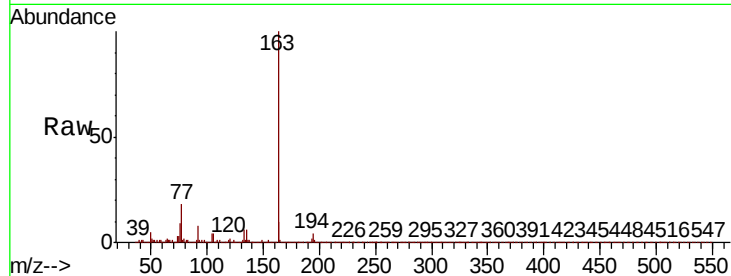




#50
Dimethylphthalate
Concen: 11.566 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

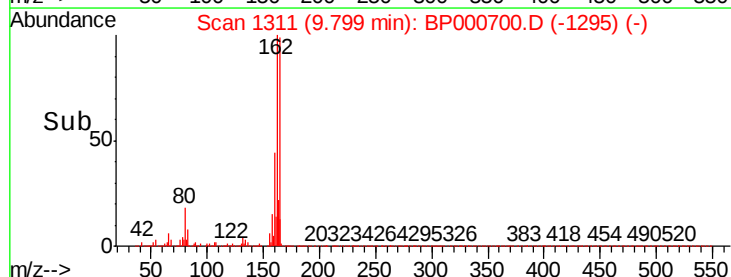
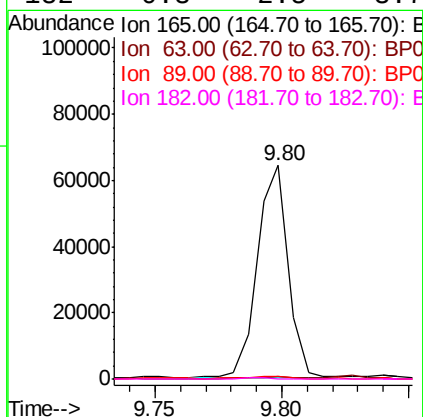
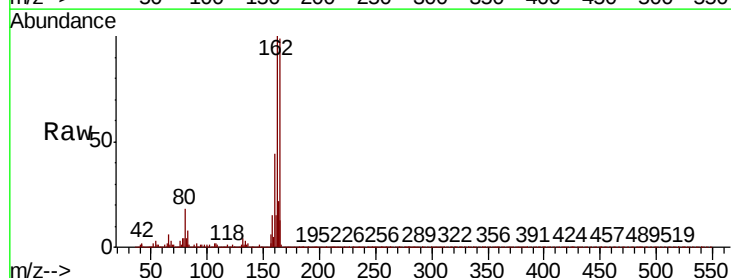
Instrument :
BNA_P
ClientSampleId :

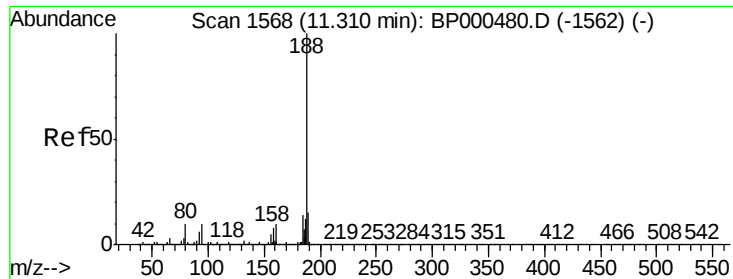
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.0	8.0	12.0



#57
2,4-Dinitrotoluene
Concen: 6.538 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	24.2	36.4#
89	1.3	49.4	74.0#
182	0.3	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: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

ClientSampled :

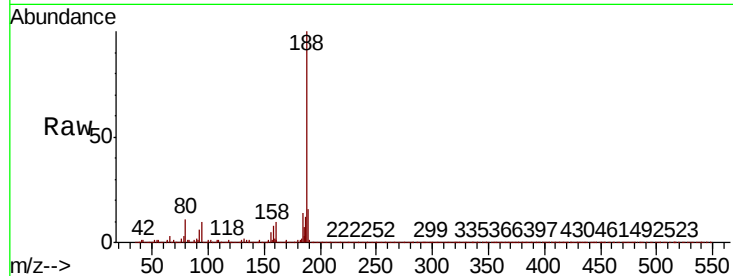
Tot Ion:188 Resp: 733592

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.2

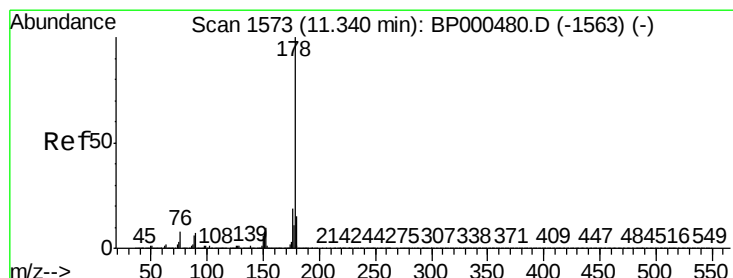
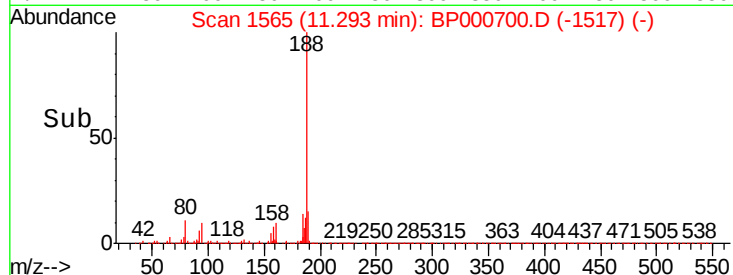
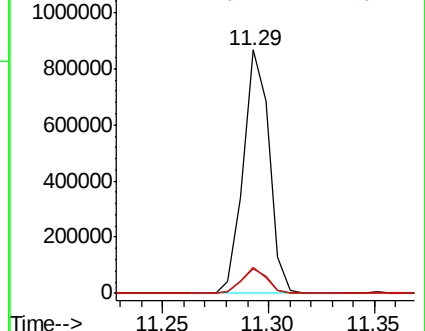
80 10.7 8.3 12.5



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: 2.889 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

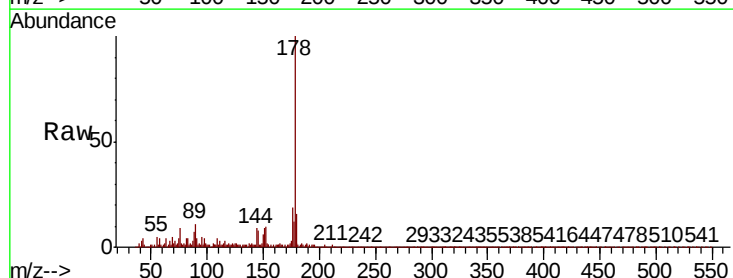
Tgt Ion:178 Resp: 106432

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

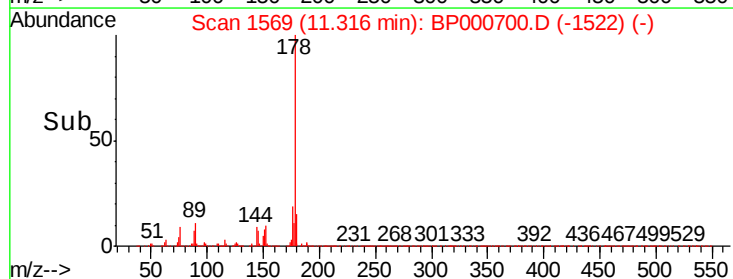
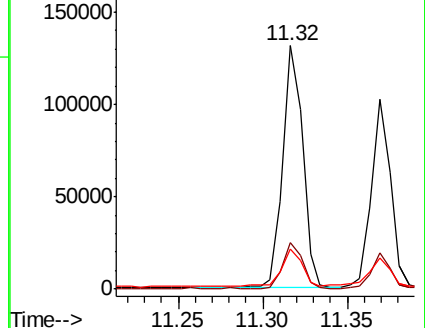
179 16.4 12.2 18.4

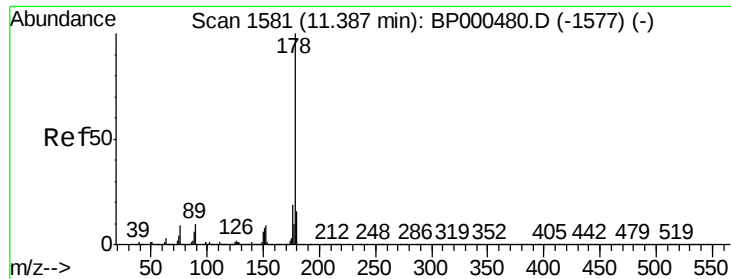


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.172 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

ClientSampleId :

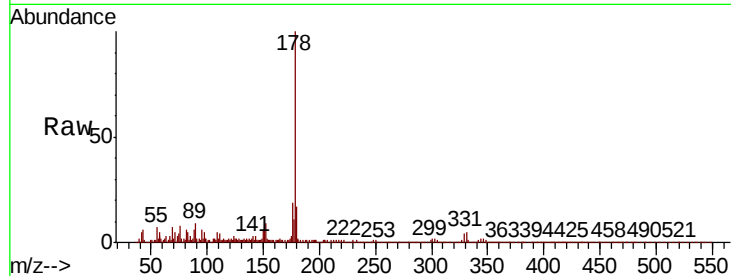
Tot Ion:178 Resp: 79345

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

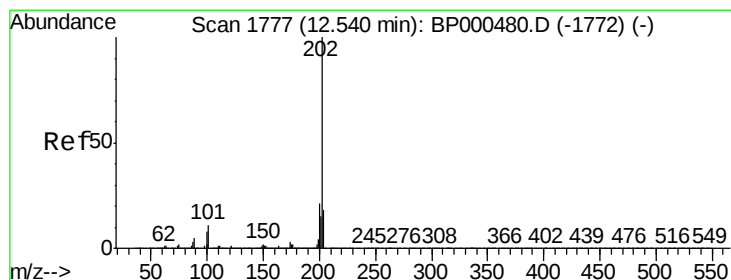
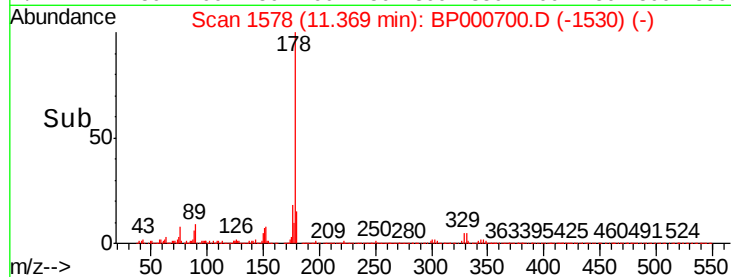
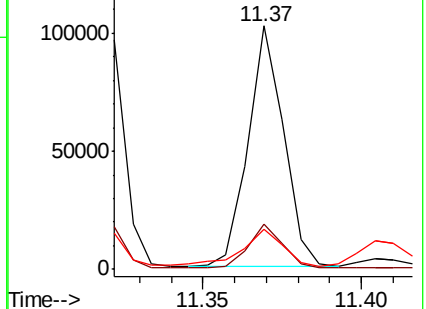
179 16.6 12.6 19.0



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: 8.561 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

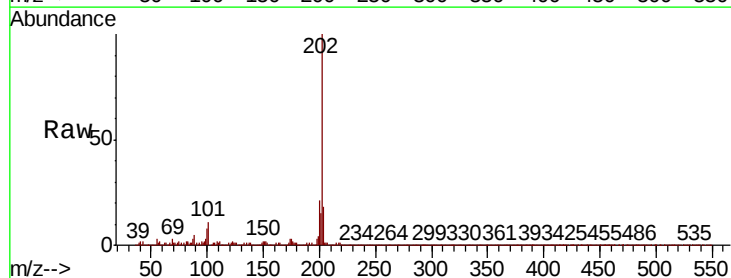
Tgt Ion:202 Resp: 354252

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.3

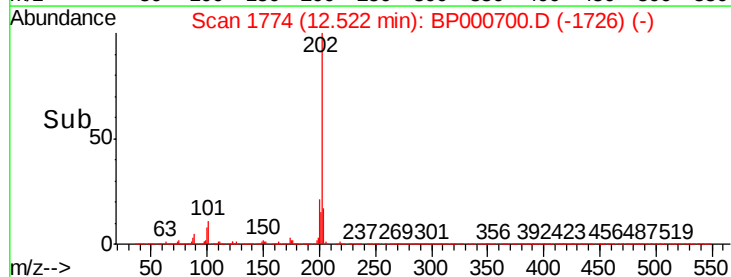
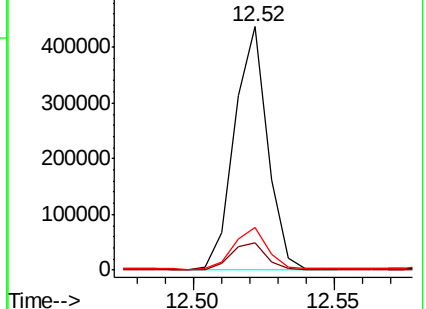
203 17.7 0.0 38.1

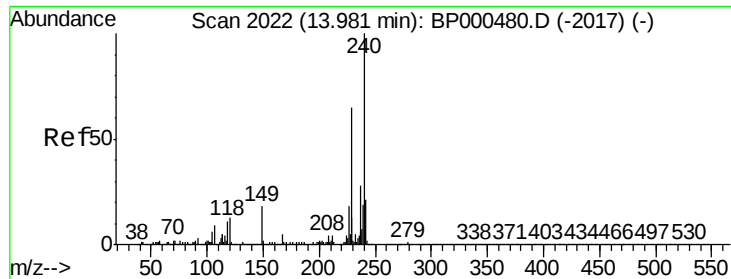


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

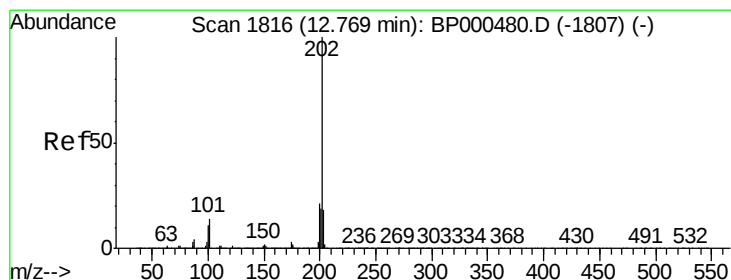
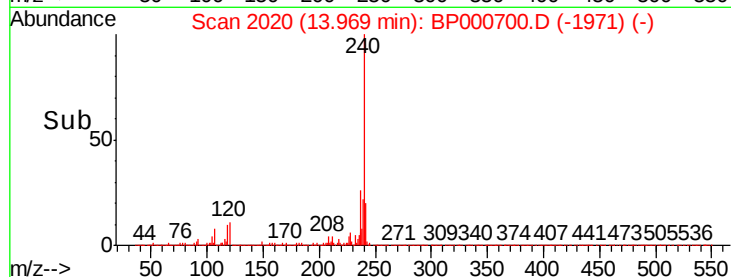
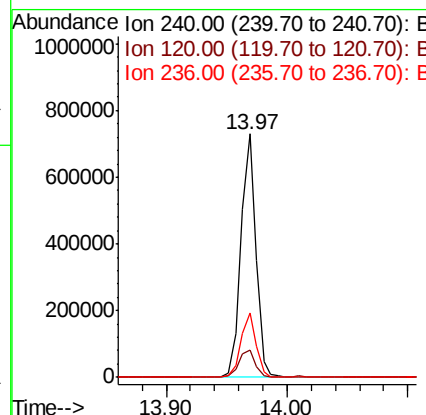
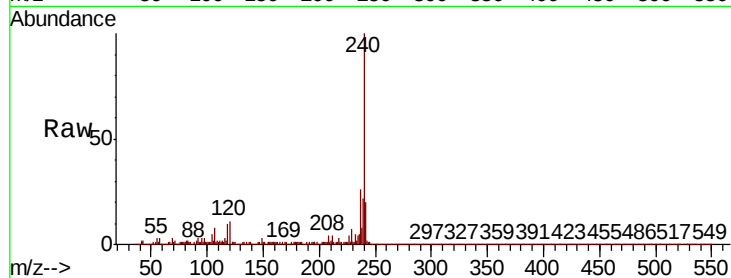




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

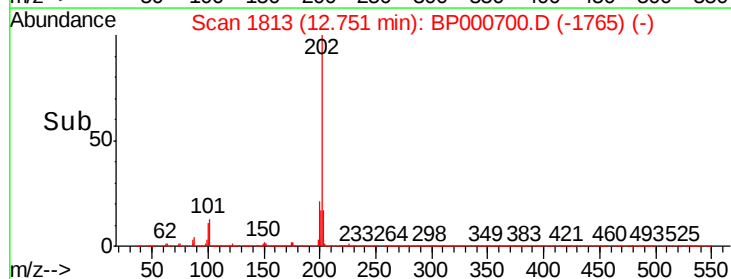
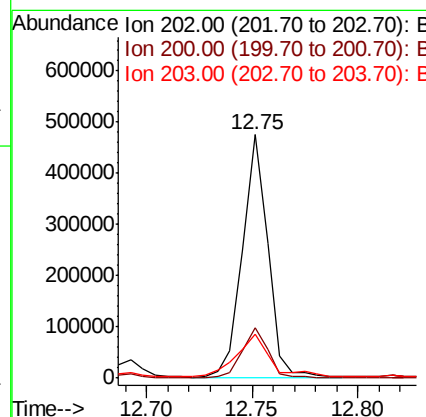
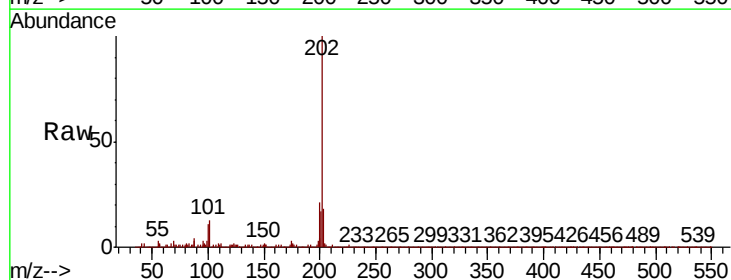
Instrument :
BNA_P
ClientSampled :

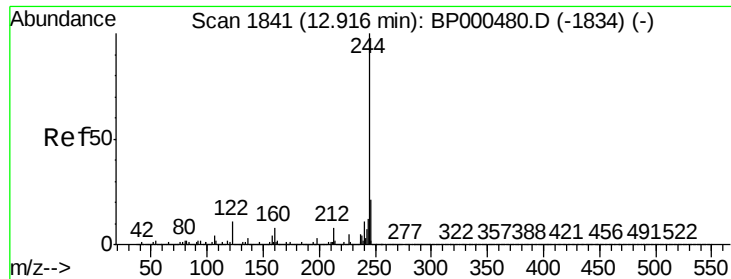
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.1	15.1
236	26.5	22.7	34.1



#78
Pyrene
Concen: 8.999 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.1	25.7
203	17.9	14.6	21.8





#79

Terphenyl-d14

Concen: 55.331 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

ClientSampleId :

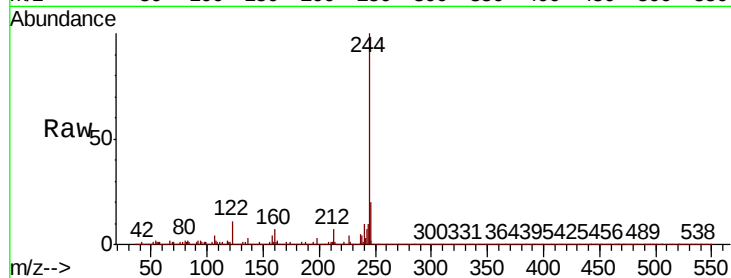
Tot Ion:244 Resp: 1725178

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

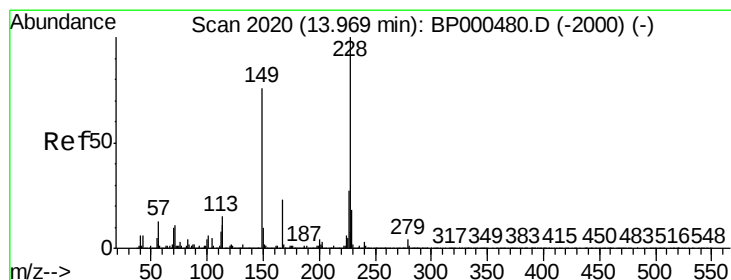
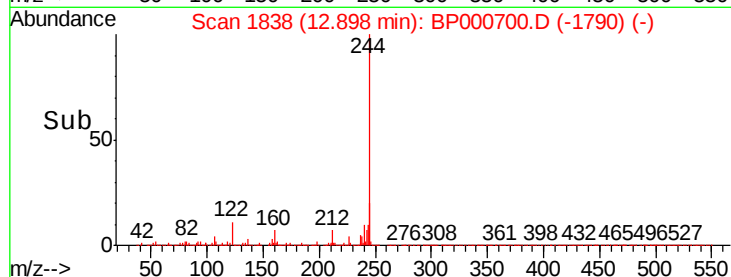
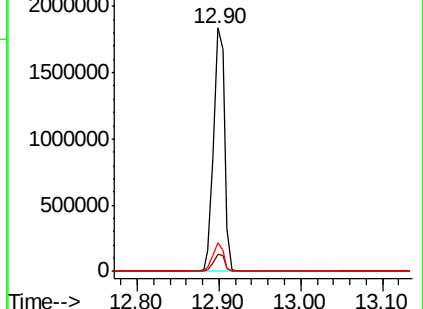
122 11.5 8.9 13.3



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: 6.511 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

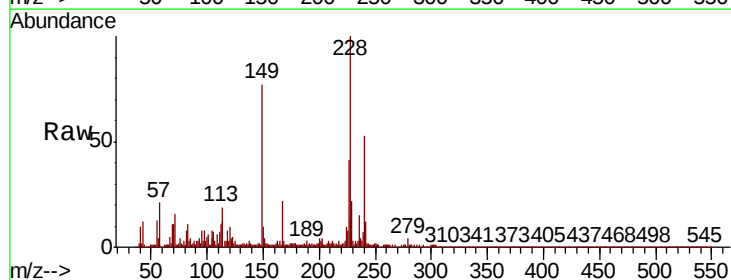
Tgt Ion:228 Resp: 250803

Ion Ratio Lower Upper

228 100

226 41.3 21.4 32.2#

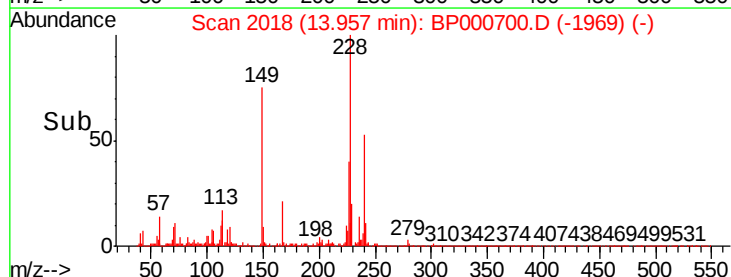
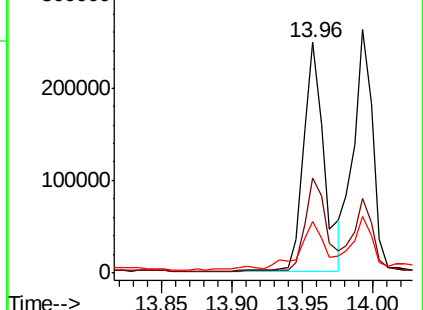
229 22.2 14.7 22.1#

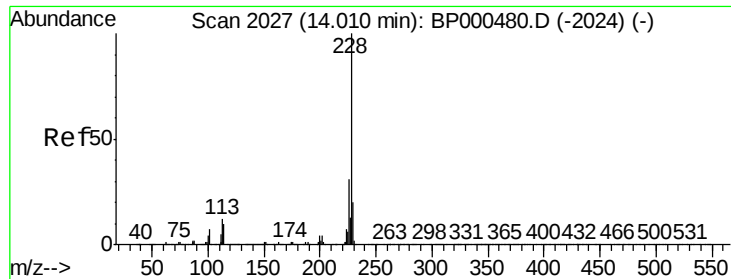


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

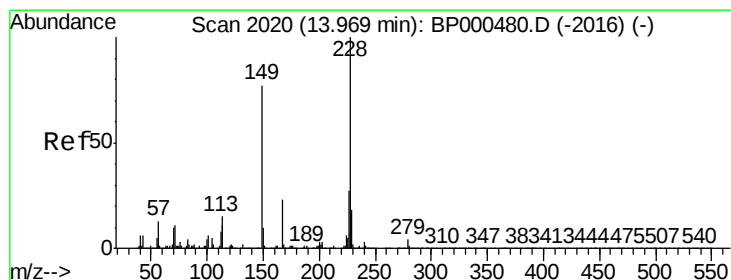
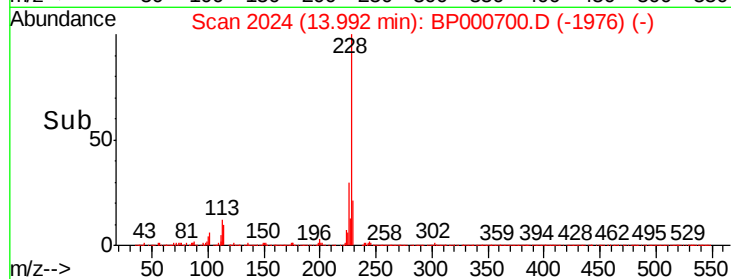
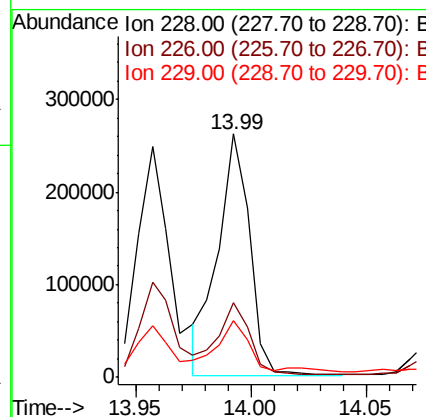
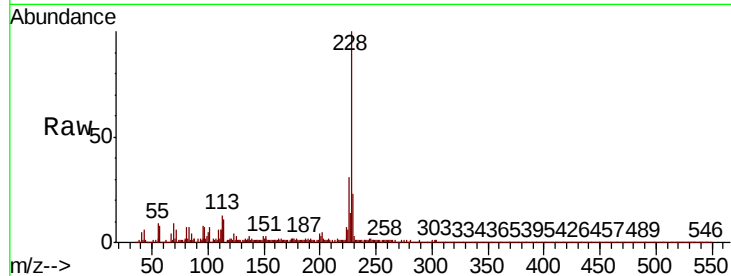




#83
 Chrysene
 Concen: 6.601 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BP000700.D
 Acq: 13 Oct 2019 04:29

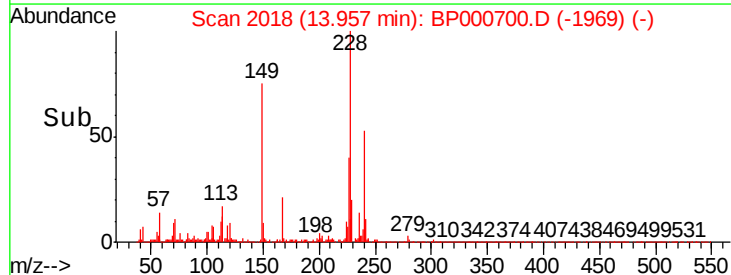
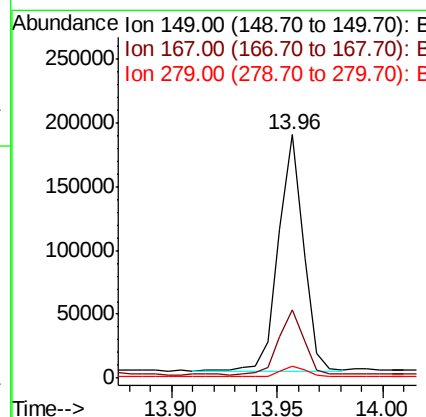
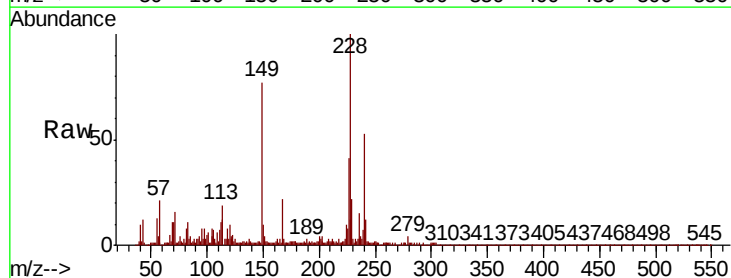
Instrument :
 BNA_P
 ClientSampleId :

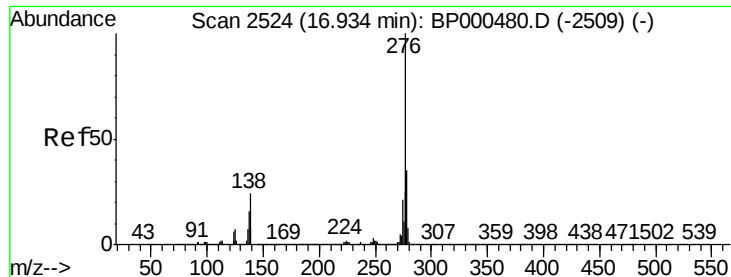
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	23.1	16.3	24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.346 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BP000700.D
 Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.6	35.4
279	5.0	3.9	5.9

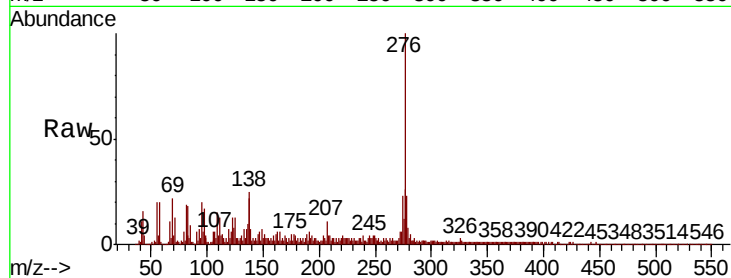




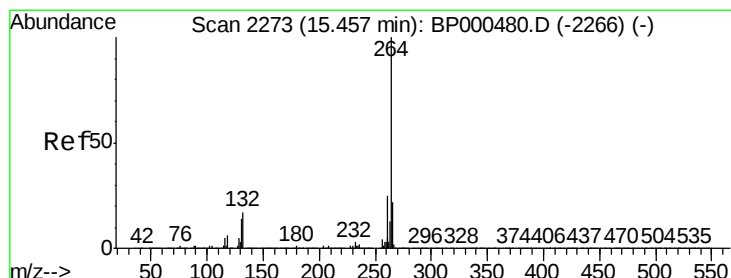
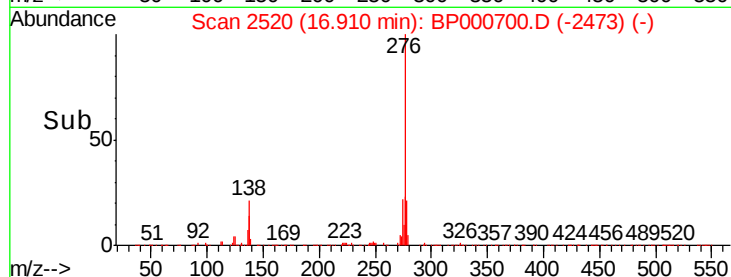
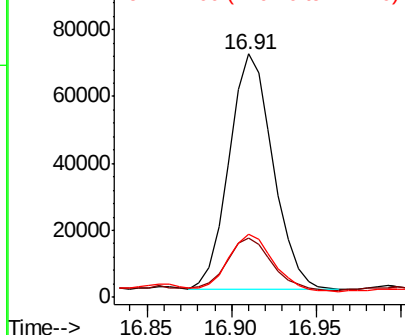
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.690 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.9	31.3
277	25.6	20.6	30.8

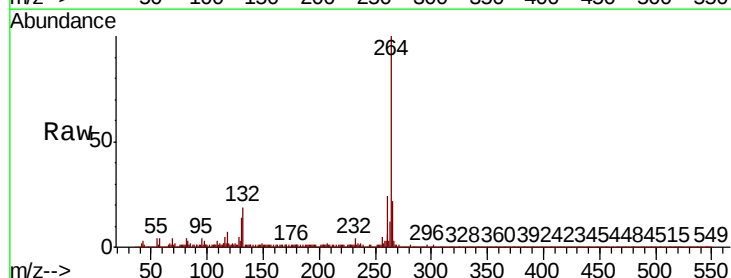


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

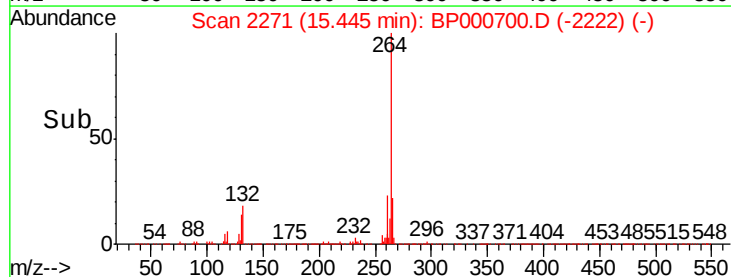
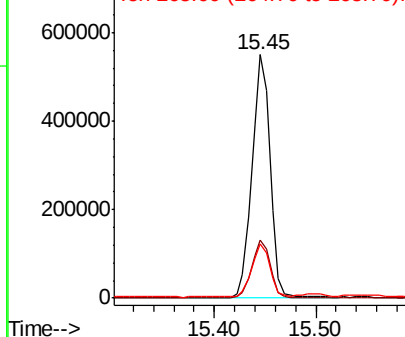


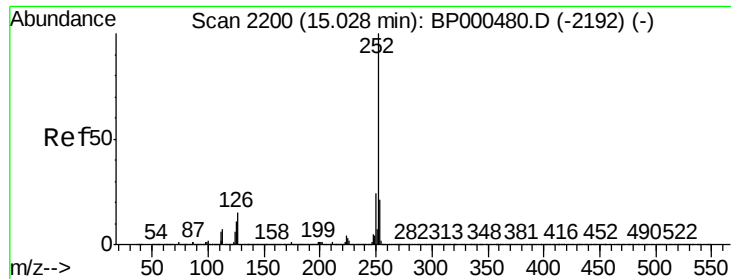
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.3	30.5
265	22.1	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

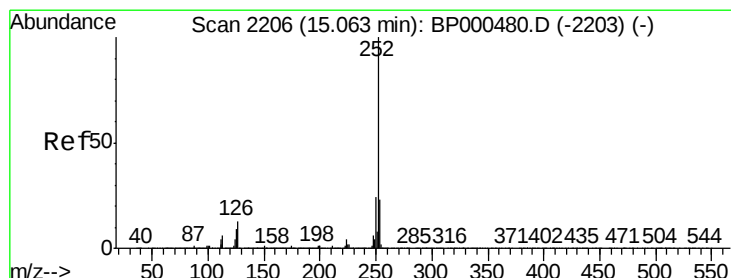
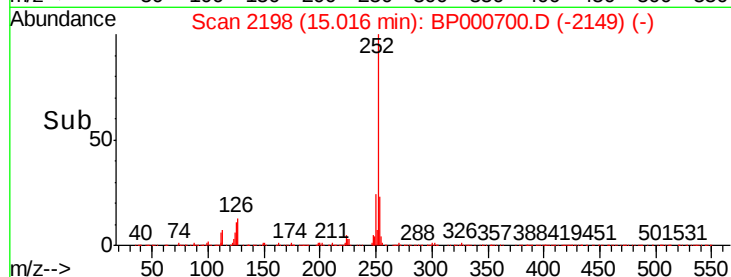
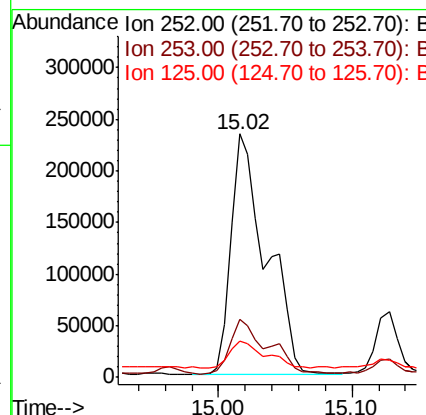
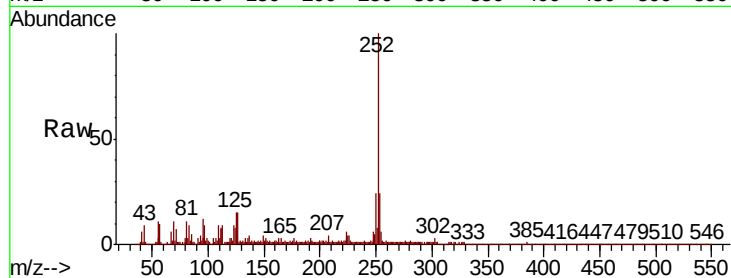




#88
Benzo(b)fluoranthene
Concen: 11.302 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

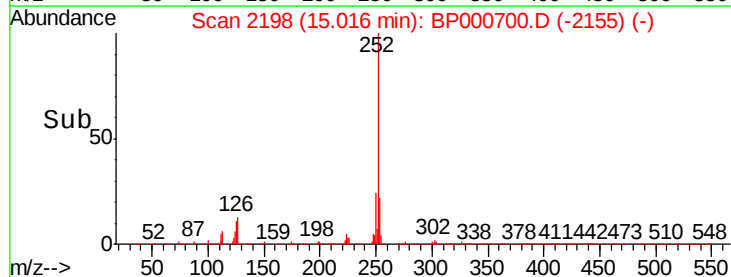
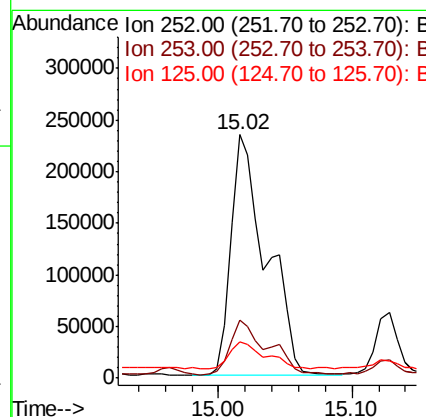
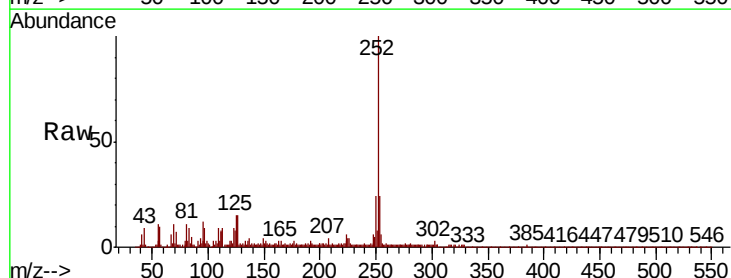
Instrument :
BNA_P
ClientSampleId :

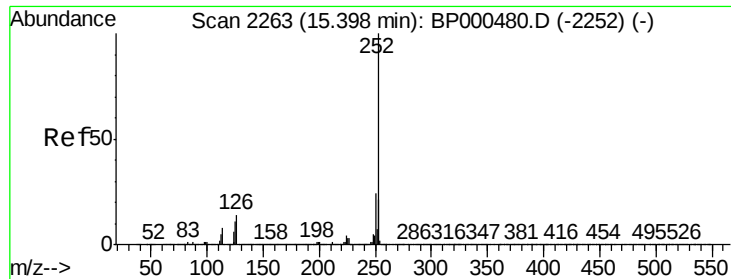
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	15.0	8.9	13.3



#89
Benzo(k)fluoranthene
Concen: 11.871 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	15.0	7.8	11.8

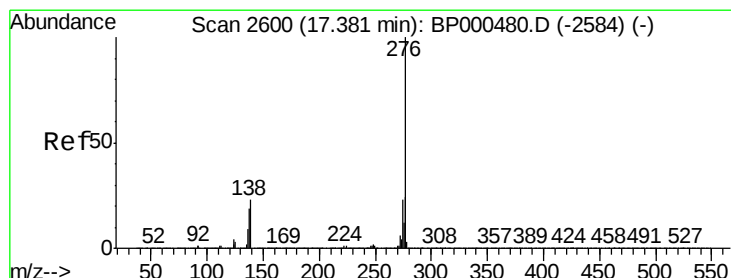
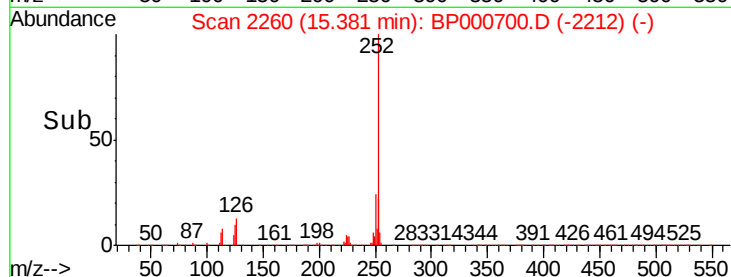
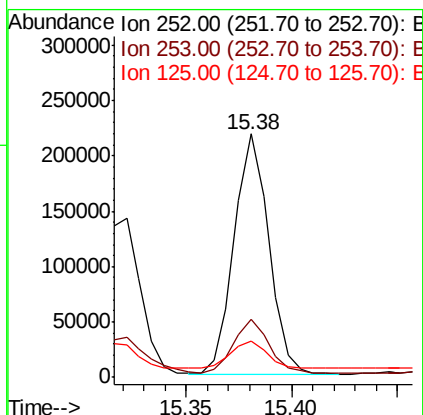
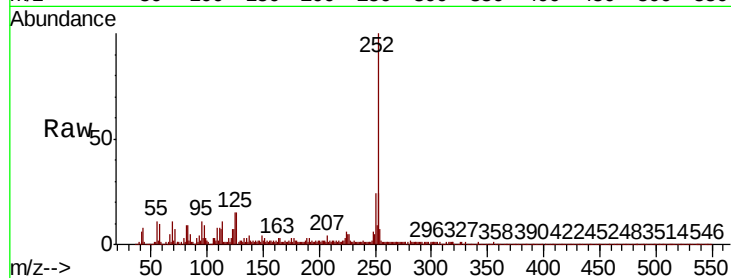




#90
Benzo(a)pyrene
Concen: 6.907 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	14.7	8.4	12.6



#92
Benzo(g,h,i)perylene
Concen: 3.648 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.2
138	25.7	18.5	27.7

