

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000711.D
 Acq On : 14 Oct 2019 15:29
 Operator : JU
 Sample : K5348-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 02:43:23 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	207068	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	753126	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	412336	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	756796	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	639230	20.00	ng	0.00
87) Perylene-d12	15.45	264	762275	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	370193	28.74	ng	-0.02
7) Phenol-d6	6.39	99	1354975	87.29	ng	-0.02
23) Nitrobenzene-d5	7.31	82	833676	67.61	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	44525	10.13	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1462833	57.40	ng	-0.02
79) Terphenyl-d14	12.90	244	1695215	53.70	ng	-0.01

Target Compounds

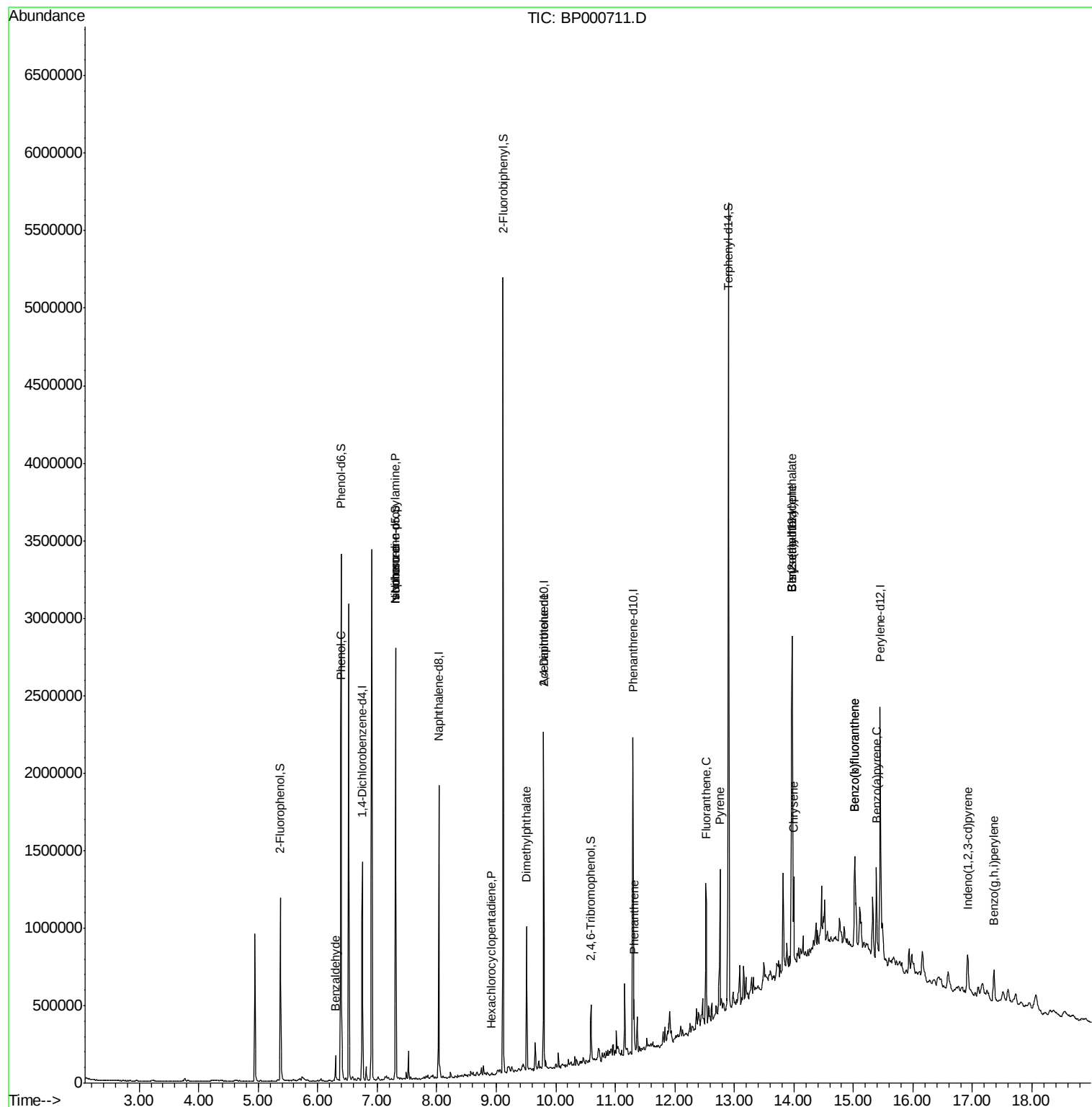
						Qvalue
9) Benzaldehyde	6.30	77	32509	4.021	ng	92
10) Phenol	6.40	94	79576	5.007	ng	94
19) n-Nitroso-di-n-propylamine	7.31	70	103654	14.487	ng	# 74
25) Isophorone	7.31	82	833431	38.082	ng	# 61
41) Hexachlorocyclopentadiene	8.92	237	22	7.301	ng	79
50) Dimethylphthalate	9.51	163	336023	11.728	ng	99
57) 2,4-Dinitrotoluene	9.80	165	54837	6.619	ng	# 32
71) Phenanthrene	11.32	178	110219	2.900	ng	98
75) Fluoranthene	12.52	202	359740	8.427	ng	98
78) Pyrene	12.76	202	383461	8.698	ng	100
81) Benzo(a)anthracene	13.96	228	212343	5.444	ng	# 80
83) Chrysene	14.00	228	235166	6.143	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	159890	6.617	ng	99
86) Indeno(1,2,3-cd)pyrene	16.92	276	168197	3.517	ng	96
88) Benzo(b)fluoranthene	15.02	252	429534	9.932	ng	# 93
89) Benzo(k)fluoranthene	15.02	252	429534	10.433	ng	# 95
90) Benzo(a)pyrene	15.39	252	260072	6.451	ng	# 94
92) Benzo(g,h,i)perylene	17.36	276	172976	4.354	ng	99

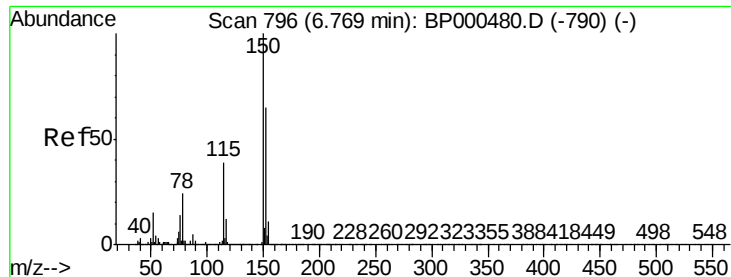
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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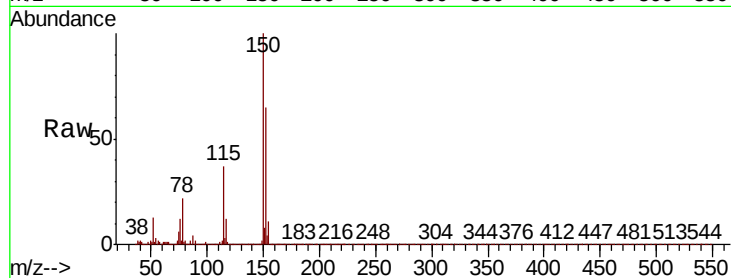


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.1	186.1
115	57.4	48.7	73.1

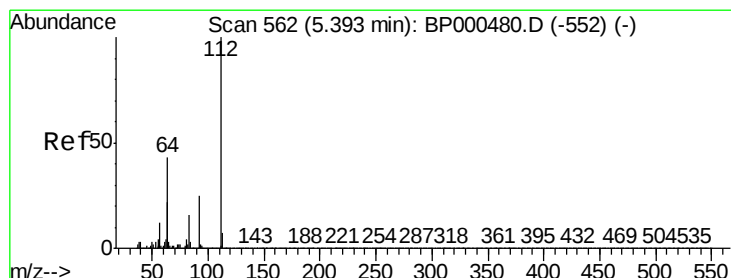
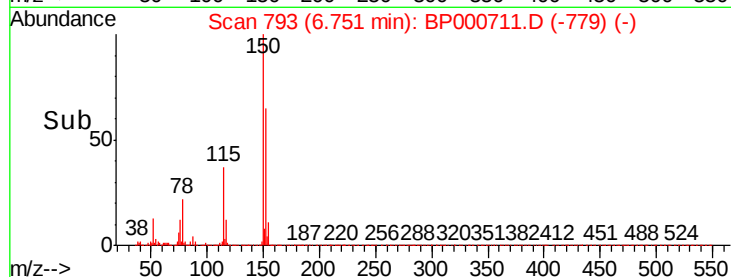
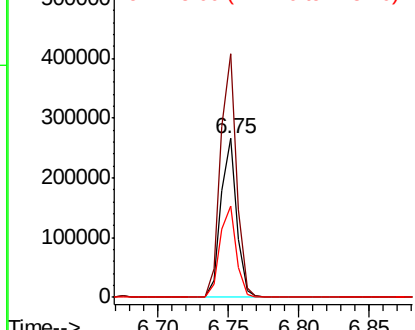


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

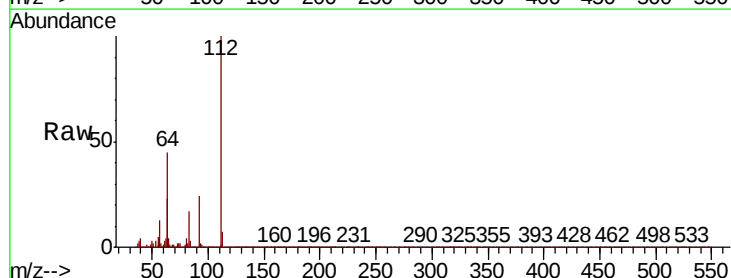
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 28.738 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.9	34.2	51.4
63	23.1	17.9	26.9

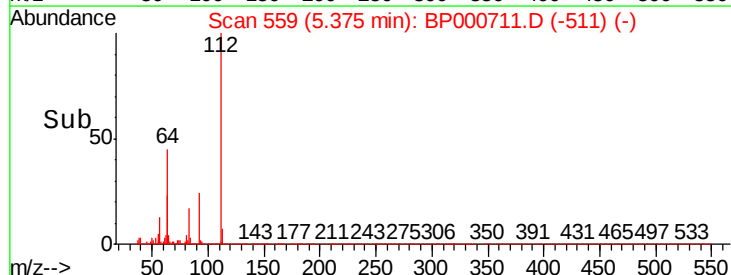
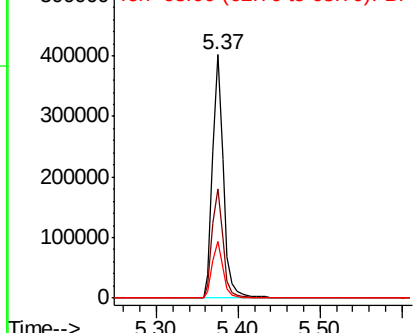


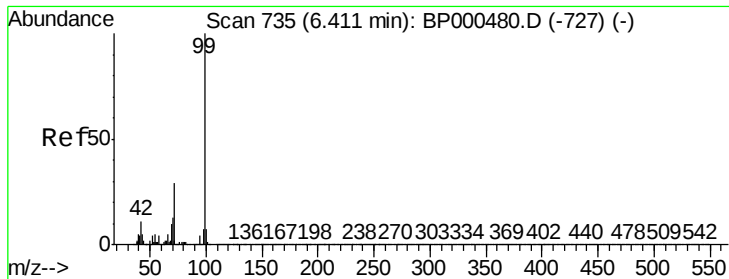
Abundance

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: 87.287 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

Instrument :

BNA_P

ClientSampleId :

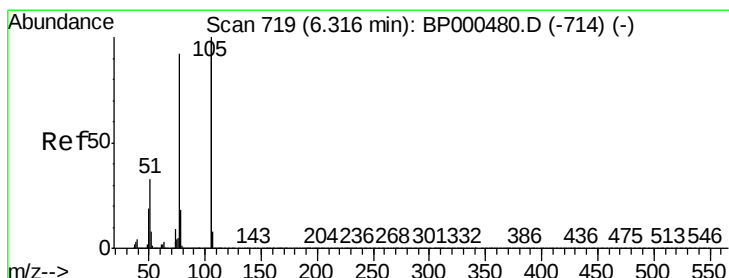
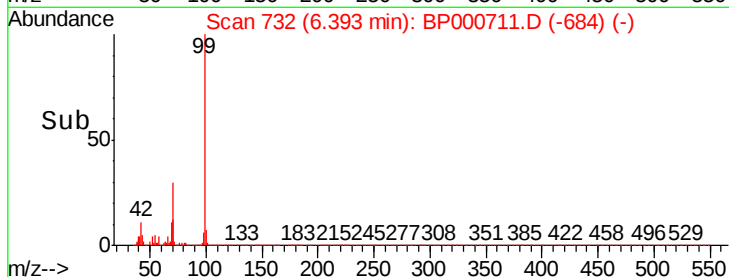
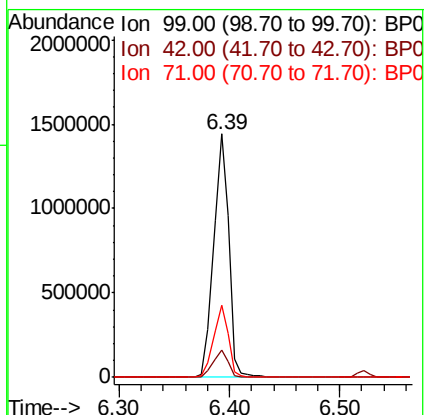
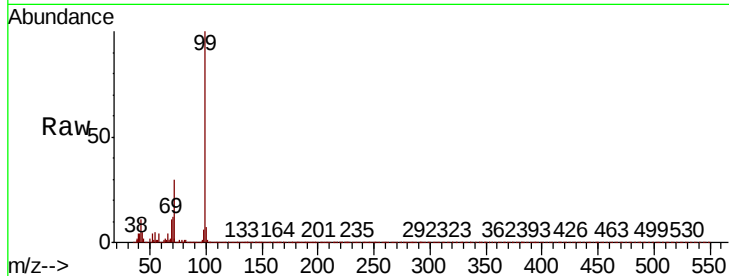
Tot Ion: 99 Resp: 1354975

Ion Ratio Lower Upper

99 100

42 11.0 8.6 12.8

71 29.8 23.0 34.4



#9

Benzaldehyde

Concen: 4.021 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

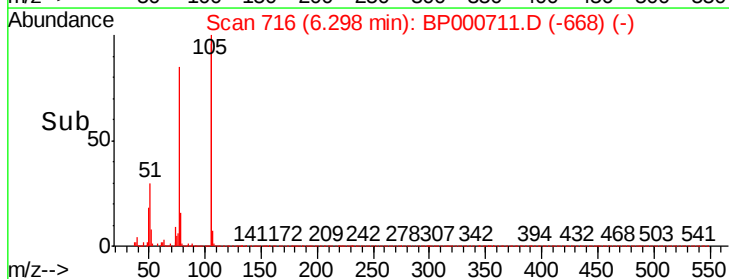
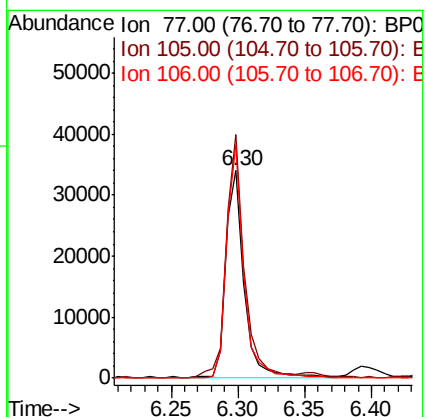
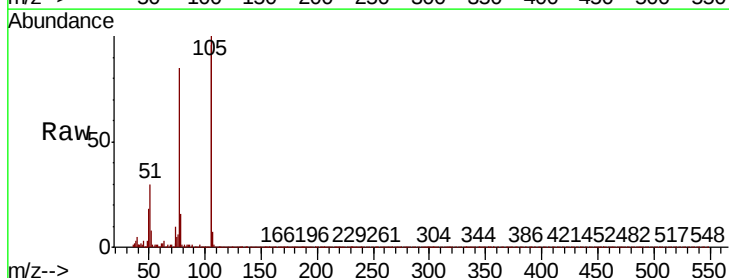
Tgt Ion: 77 Resp: 32509

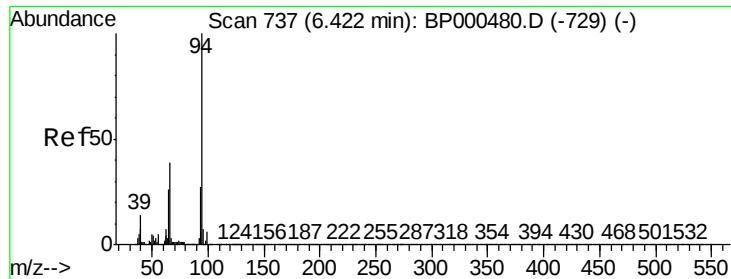
Ion Ratio Lower Upper

77 100

105 117.4 88.3 128.3

106 112.6 85.7 125.7





#10

Phenol

Concen: 5.007 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

Instrument :

BNA_P

ClientSampleId :

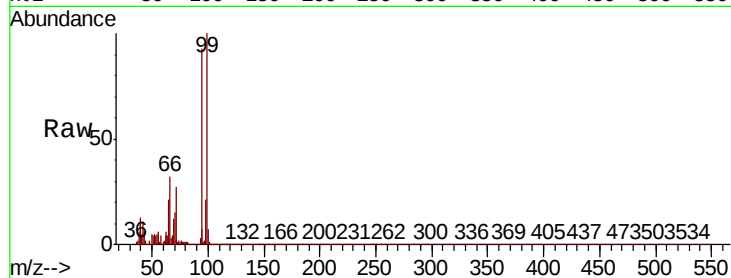
Tot Ion: 94 Resp: 79576

Ion Ratio Lower Upper

94 100

65 23.0 5.9 45.9

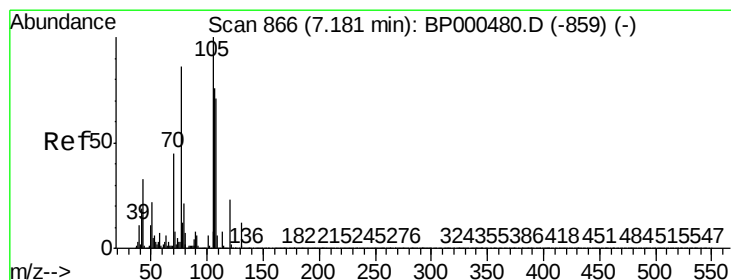
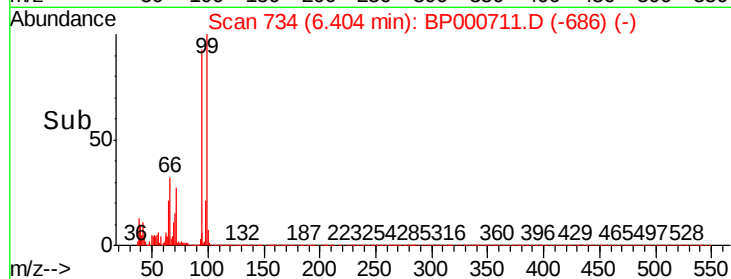
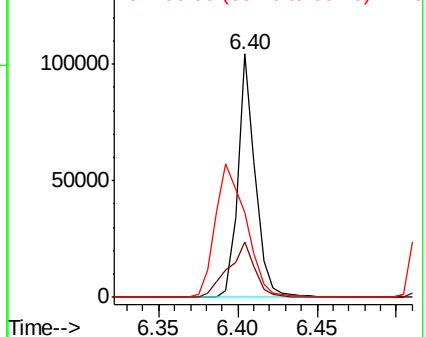
66 34.7 18.8 58.8



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: 14.487 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

Tgt Ion: 70 Resp: 103654

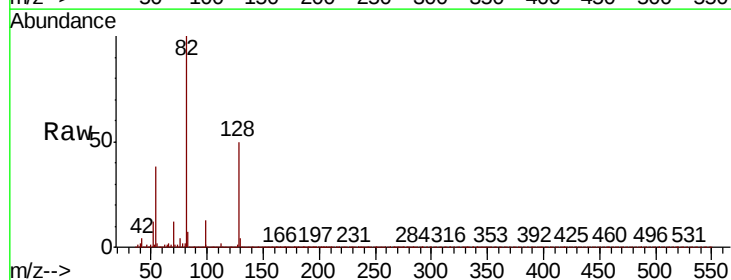
Ion Ratio Lower Upper

70 100

42 35.3 33.2 49.8

101 0.1 9.9 14.9#

130 2.6 21.8 32.8#

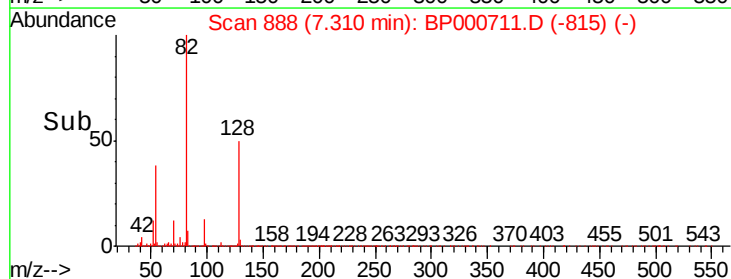
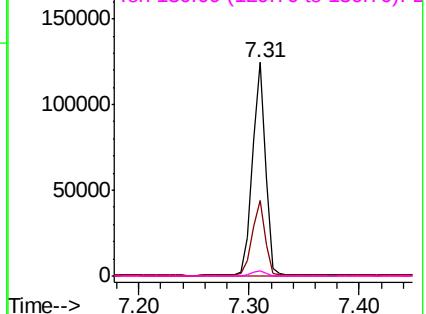


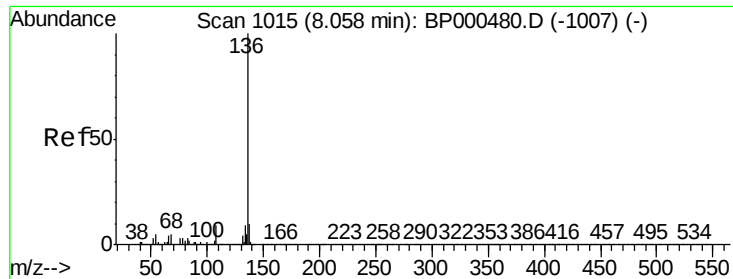
Abundance Ion 70.00 (69.70 to 70.70): BP0

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

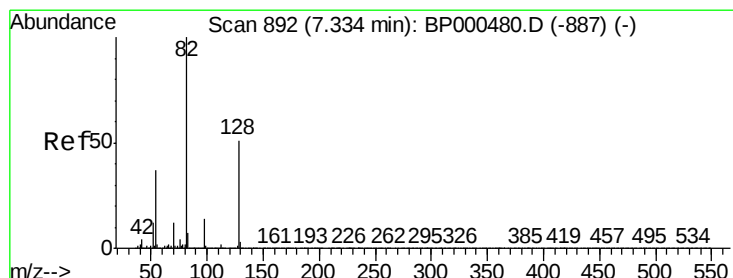
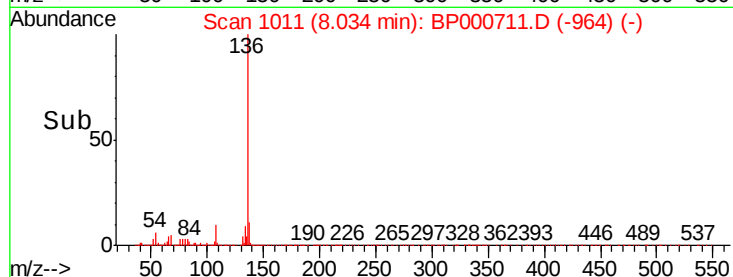
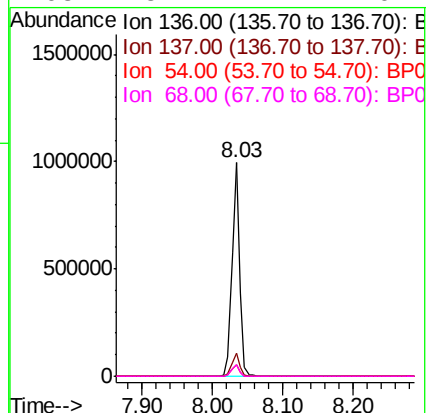
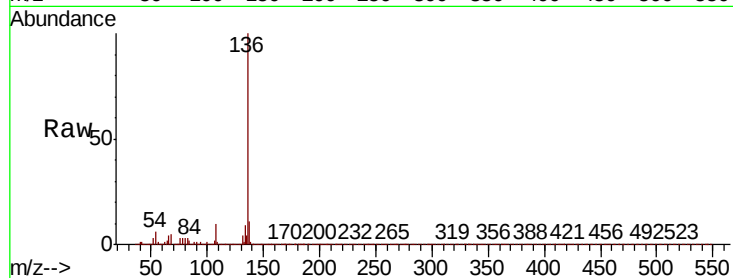




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

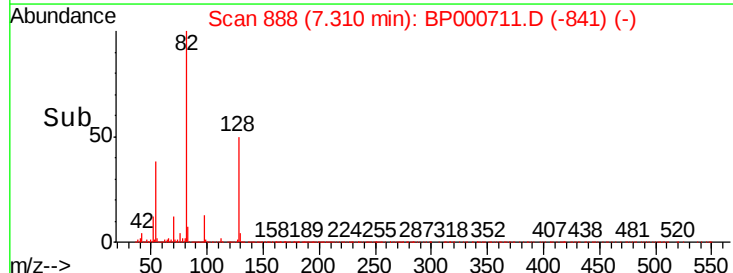
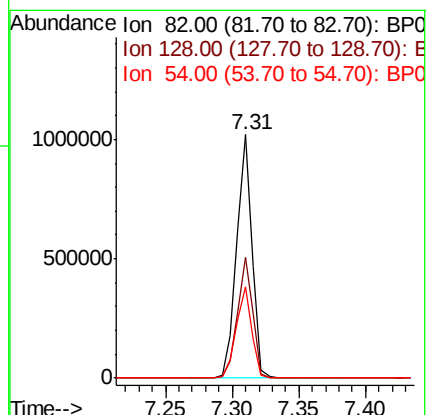
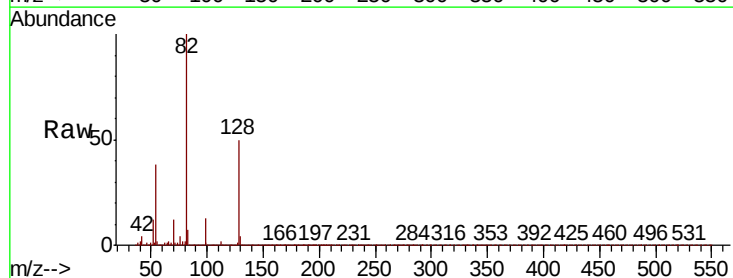
Instrument :
BNA_P
ClientSampleId :

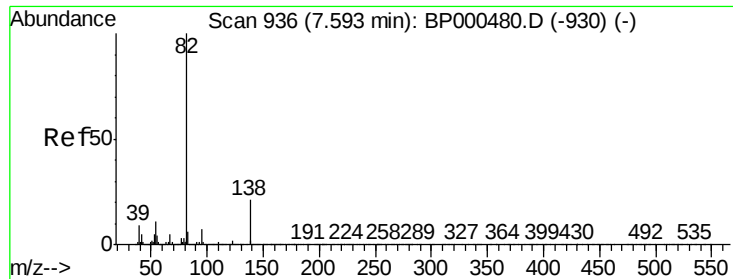
Tot Ion:136	Resp:	753126
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.2 12.4
54	5.5	4.1 6.1
68	5.4	4.1 6.1



#23
Nitrobenzene-d5
Concen: 67.608 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Tgt Ion: 82	Resp:	833676
Ion	Ratio	Lower Upper
82	100	
128	49.8	40.9 61.3
54	37.7	29.4 44.2





#25

Isophorone

Concen: 38.082 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

Instrument :

BNA_P

ClientSampleId :

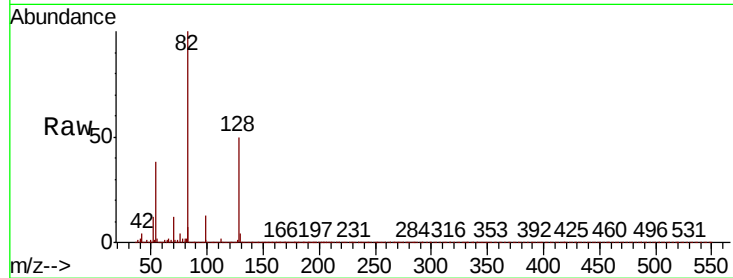
Tot Ion: 82 Resp: 833431

Ion Ratio Lower Upper

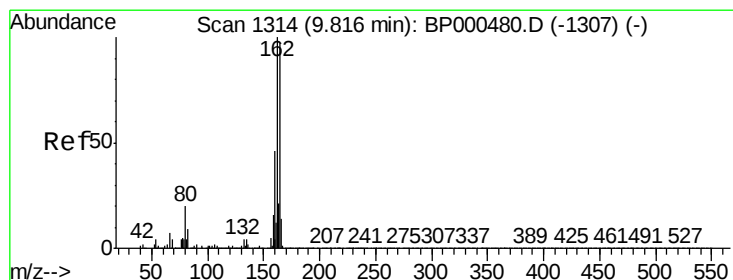
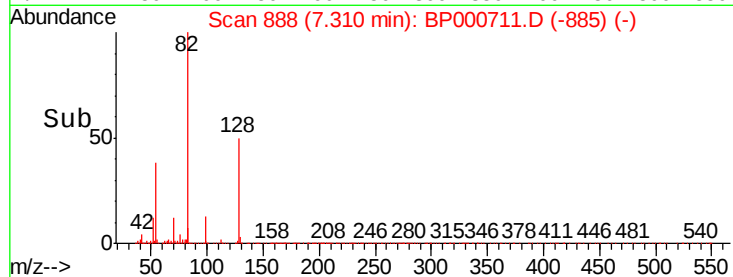
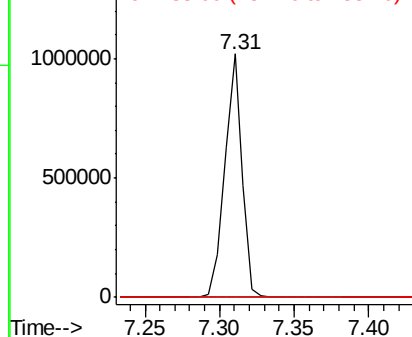
82 100

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: BP000711.D

Acq: 14 Oct 2019 15:29

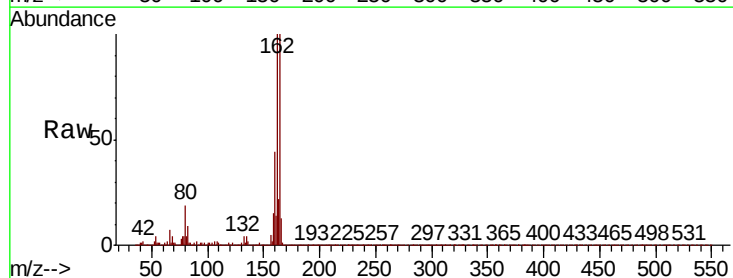
Tgt Ion:164 Resp: 412336

Ion Ratio Lower Upper

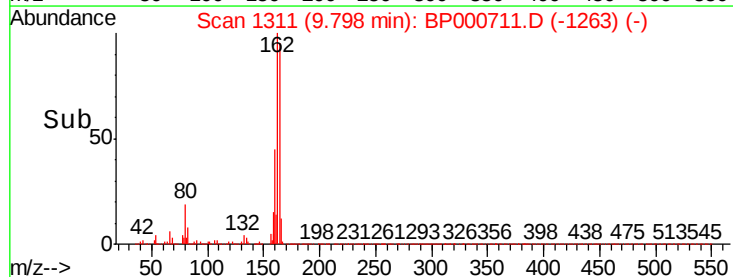
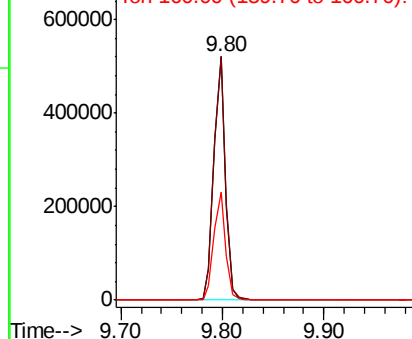
164 100

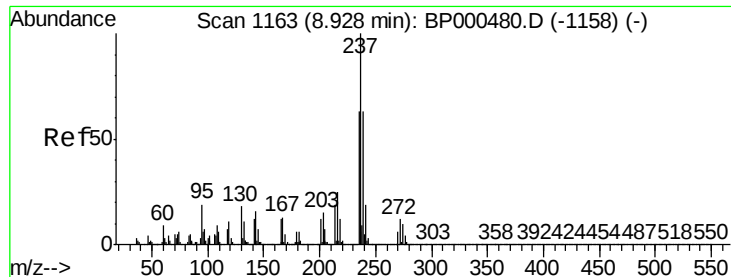
162 99.8 82.2 123.2

160 44.4 37.6 56.4



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





#41

Hexachlorocyclopentadiene

Concen: 7.301 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BP000711.D

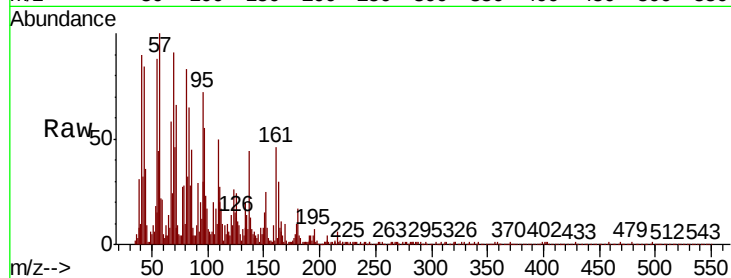
Acq: 14 Oct 2019 15:29

Instrument :

BNA_P

ClientSampleId :

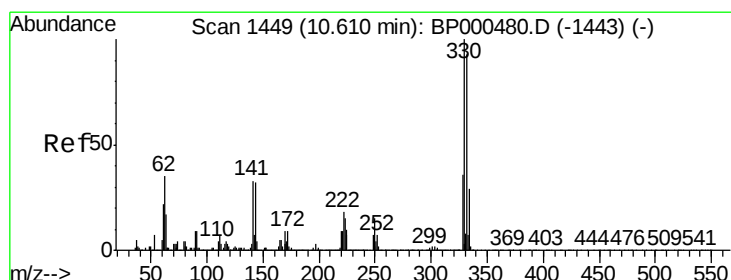
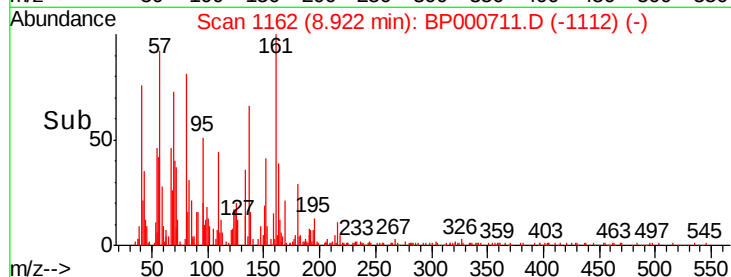
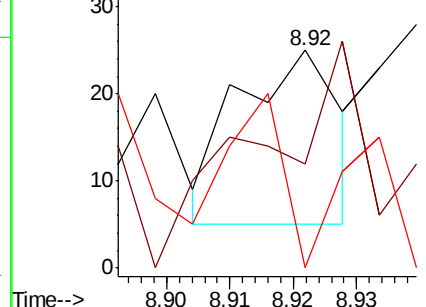
Tot Ion:	237	Resp:	22
Ion	Ratio	Lower	Upper
237	100		
235	48.0	42.9	82.9
272	0.0	0.0	32.4



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 10.133 ng

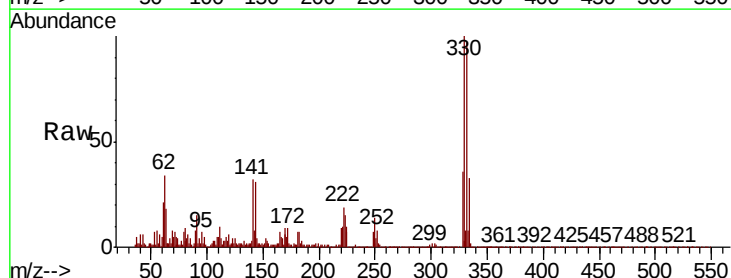
RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

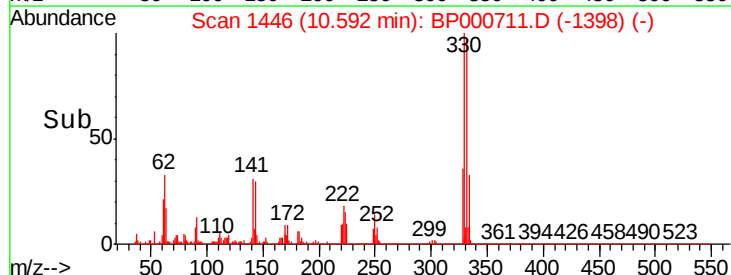
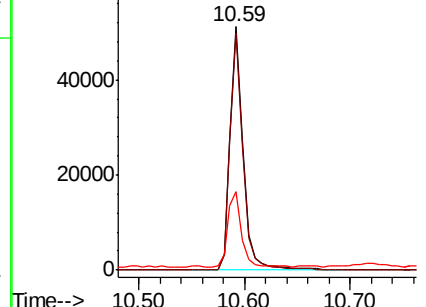
Tgt Ion:	330	Resp:	44525
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	31.9	26.0	39.0

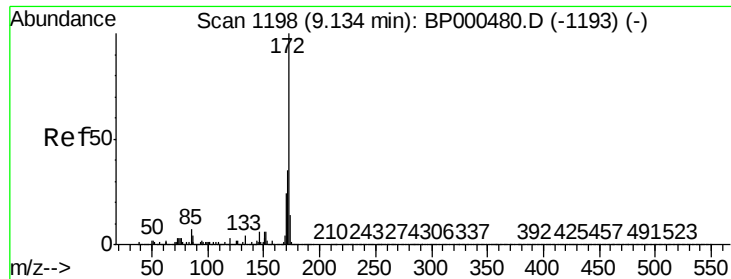


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

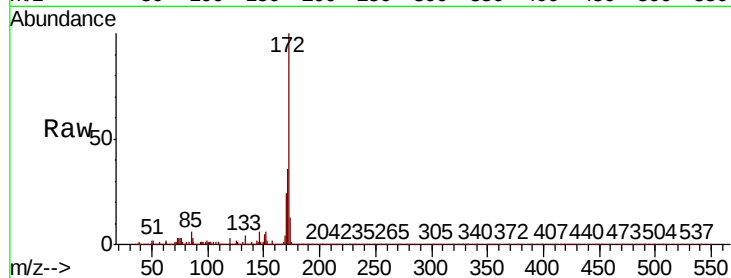




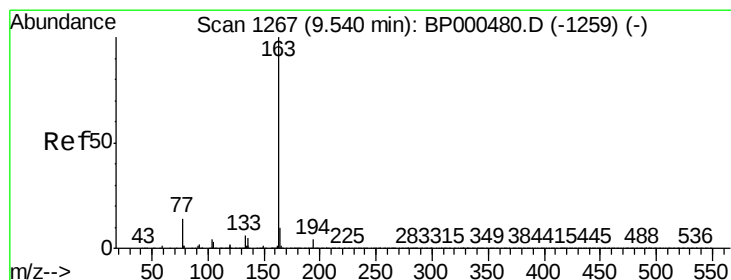
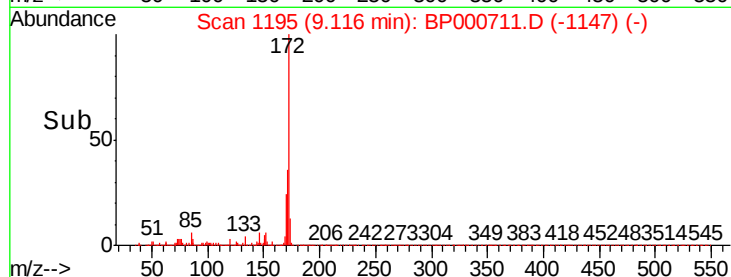
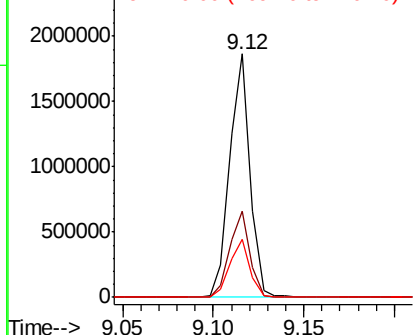
#45
2-Fluorobiphenyl
Concen: 57.401 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Instrument :
BNA_P
ClientSampleId :

Tot Ion:172 Resp: 1462833
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.8 19.1 28.7

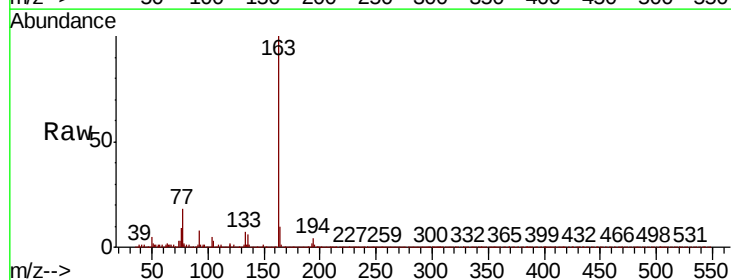


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

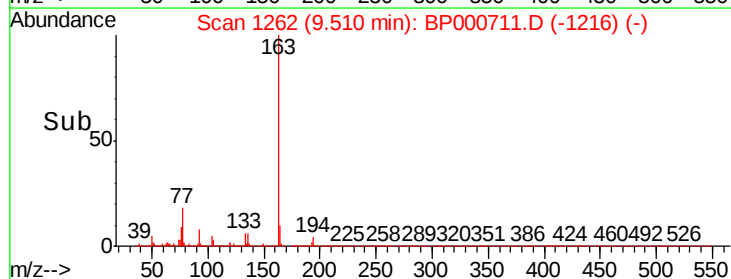
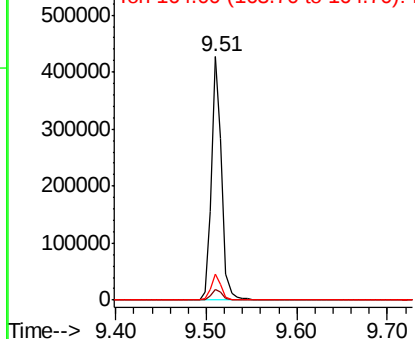


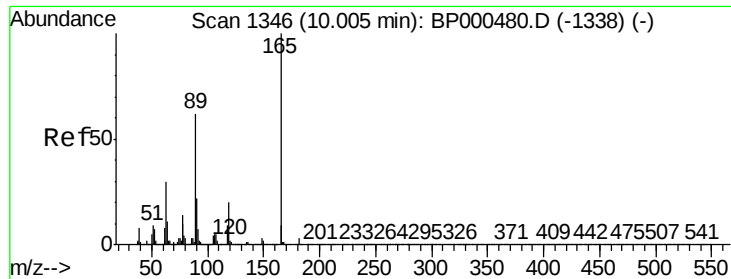
#50
Dimethylphthalate
Concen: 11.728 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Tgt Ion:163 Resp: 336023
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.5 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

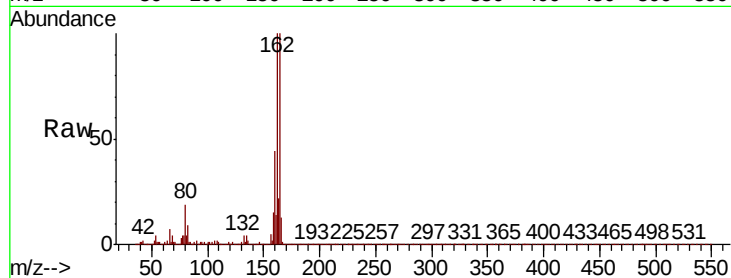




#57
 2,4-Dinitrotoluene
 Concen: 6.619 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BP000711.D
 Acq: 14 Oct 2019 15:29

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:165	Resp:	54837
Ion Ratio	Lower	Upper
165	100	
63	1.0	24.2 36.4#
89	1.3	49.4 74.0#
182	0.3	2.5 3.7#

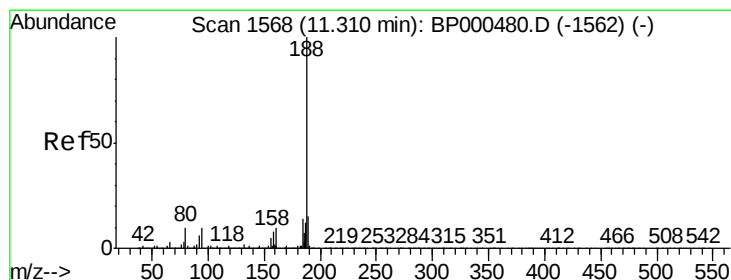
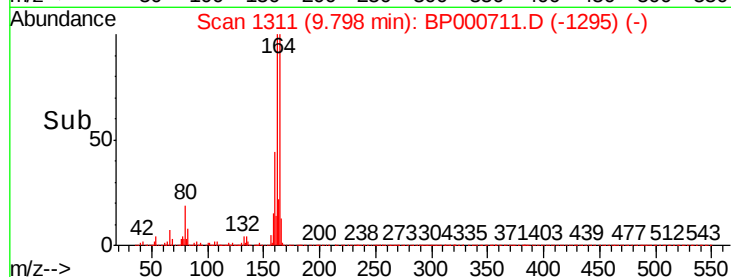
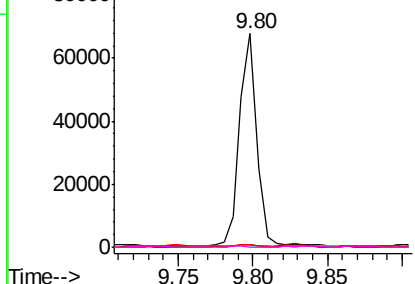


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

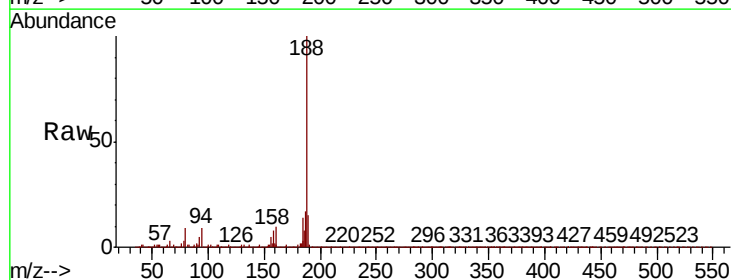
Ion 89.00 (88.70 to 89.70): BP0

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: BP000711.D
 Acq: 14 Oct 2019 15:29

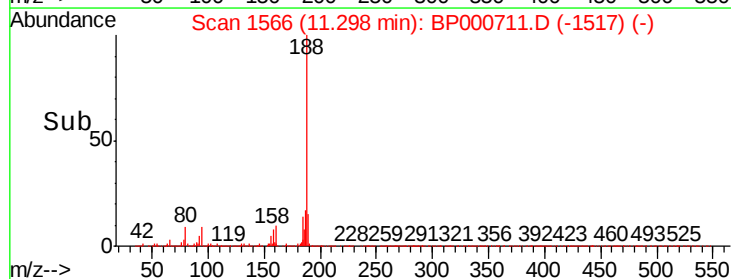
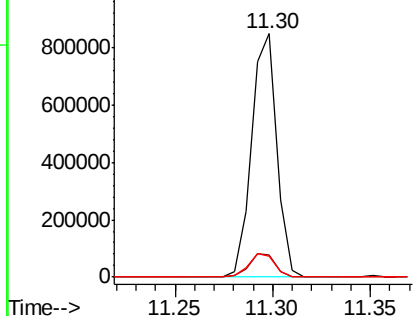
Tgt Ion:188	Resp:	756796
Ion Ratio	Lower	Upper
188	100	
94	9.0	8.2 12.2
80	8.8	8.3 12.5

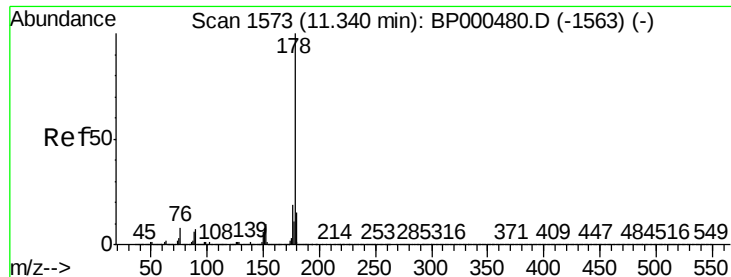


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

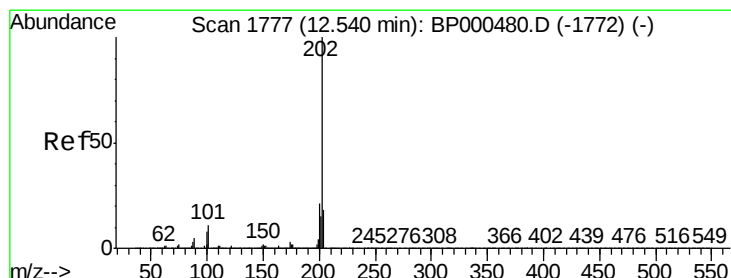
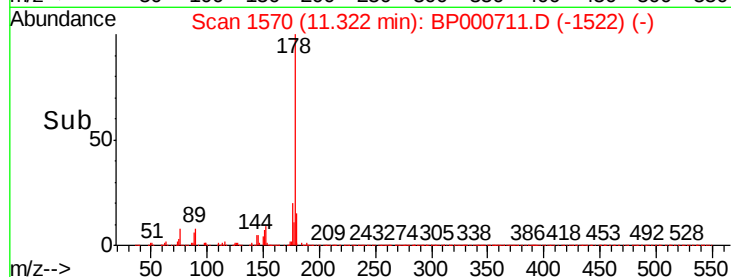
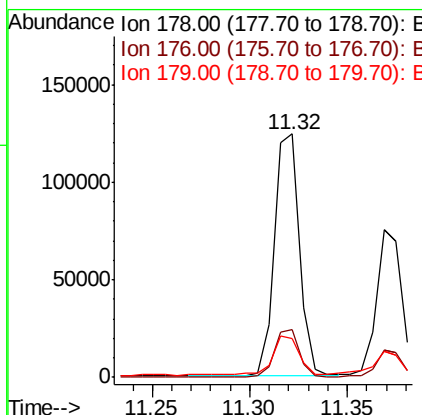
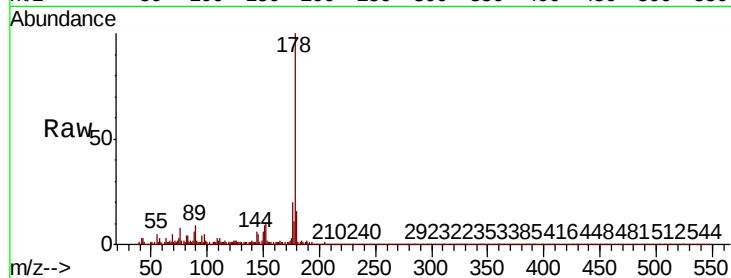




#71
Phenanthrene
Concen: 2.900 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

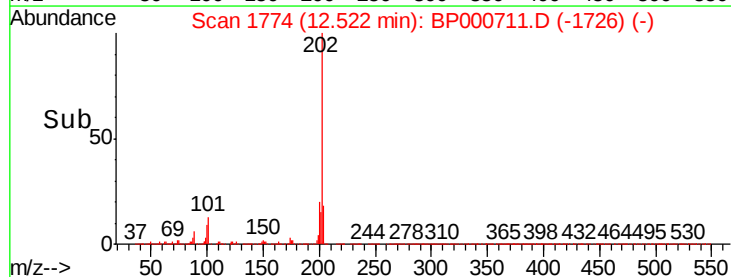
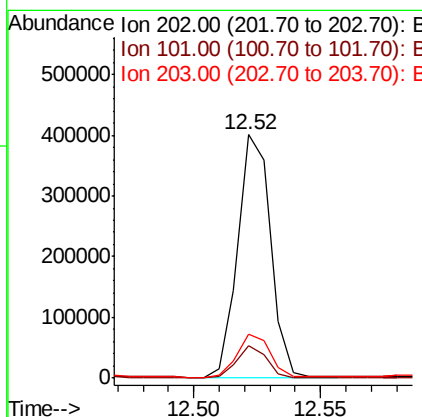
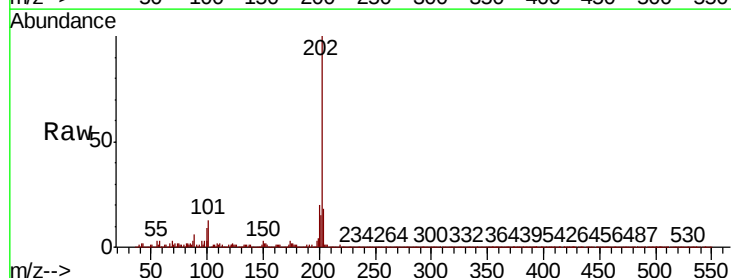
Instrument :
BNA_P
ClientSampleId :

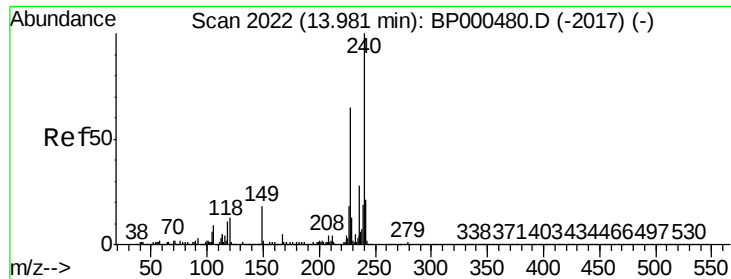
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	16.2	12.2	18.4



#75
Fluoranthene
Concen: 8.427 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.3
203	17.9	0.0	38.1

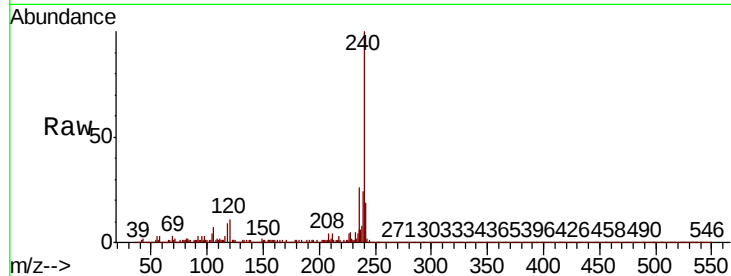




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Instrument :
BNA_P
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.1	15.1
236	26.5	22.7	34.1

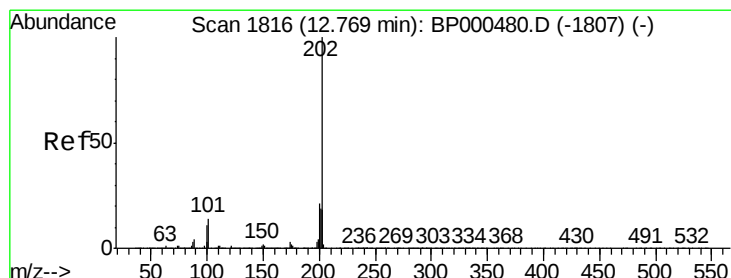
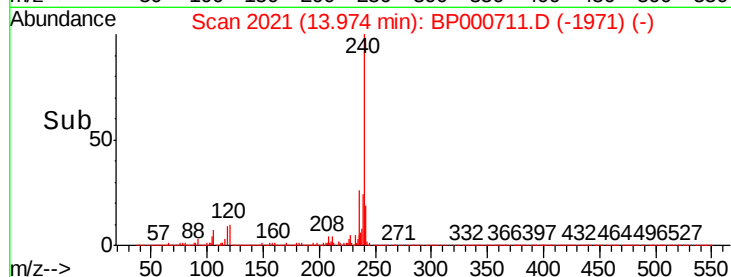
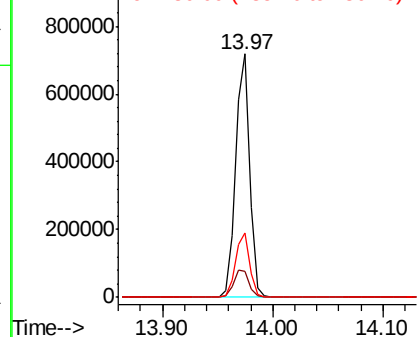


Abundance

Ion 240.00 (239.70 to 240.70): E

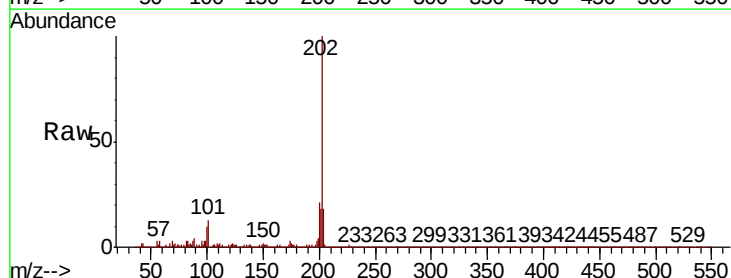
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 8.698 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	18.0	14.6	21.8

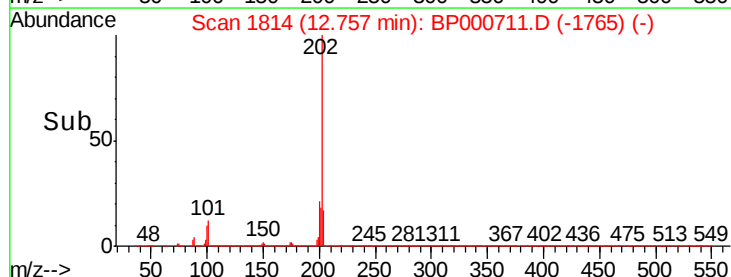
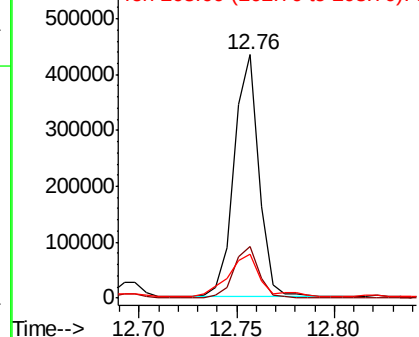


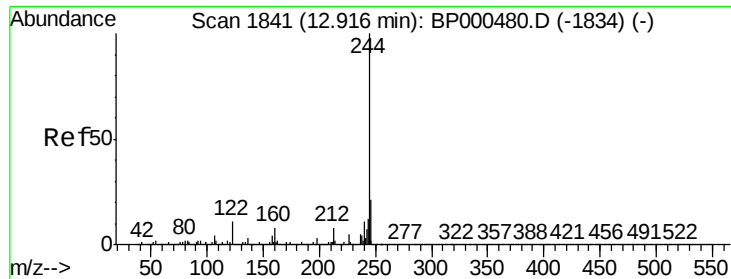
Abundance

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: 53.695 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

Instrument :

BNA_P

ClientSampled :

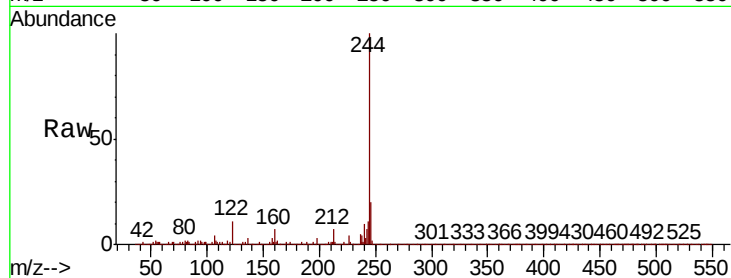
Tot Ion:244 Resp: 1695215

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

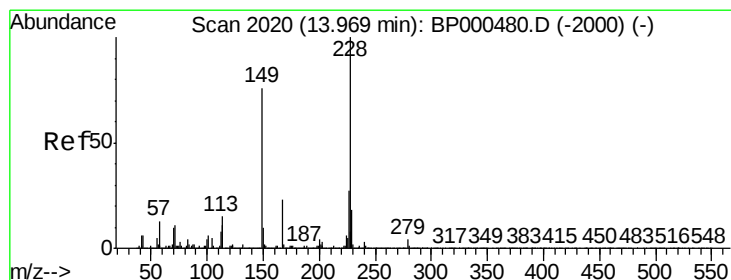
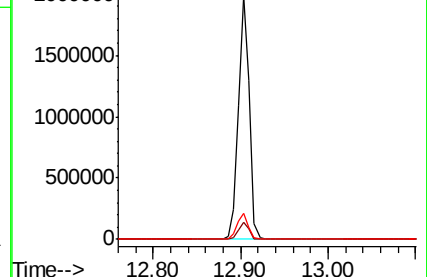
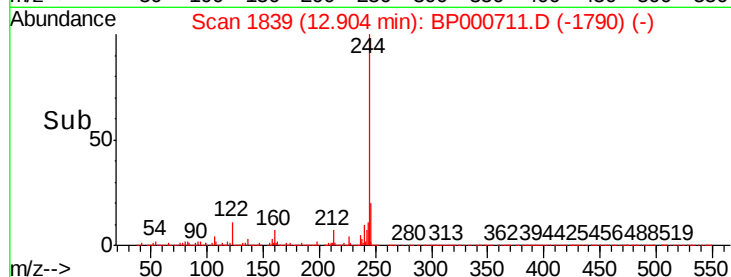
122 10.9 8.9 13.3



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: 5.444 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

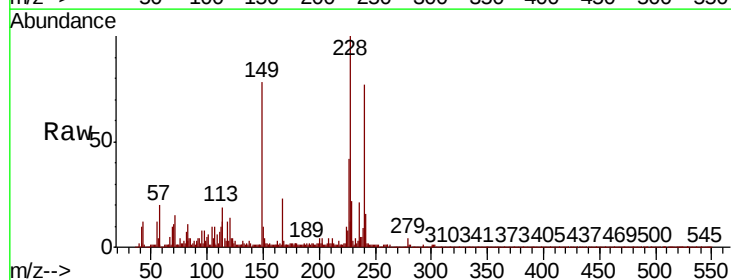
Tgt Ion:228 Resp: 212343

Ion Ratio Lower Upper

228 100

226 41.5 21.4 32.2#

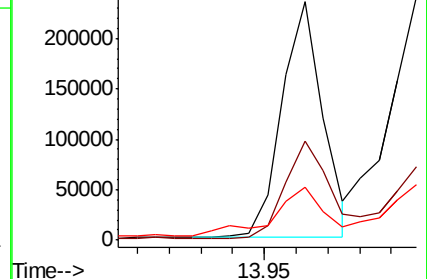
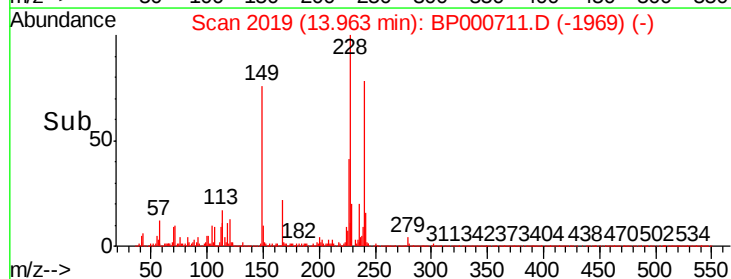
229 21.9 14.7 22.1

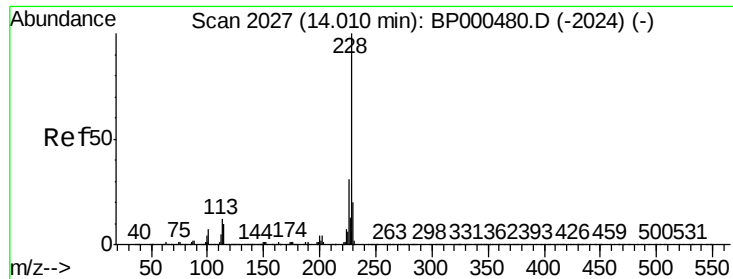


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.143 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

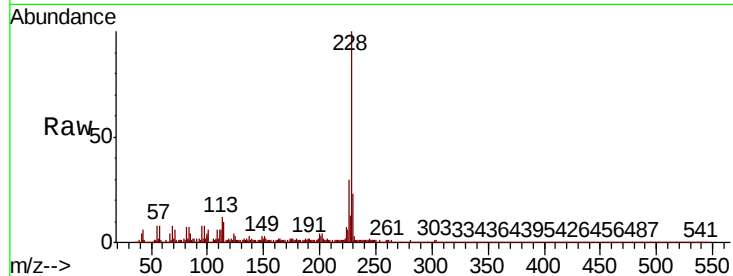
Instrument :

BNA_P

ClientSampleId :

Tot Ion:228 Resp: 235166

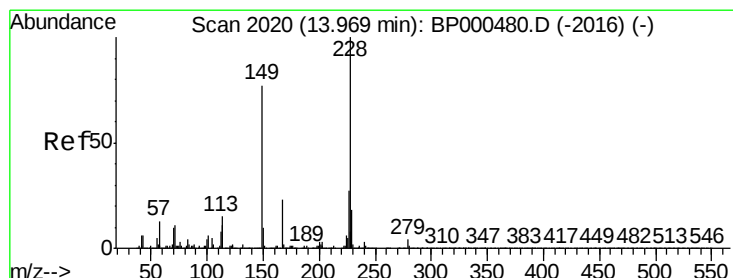
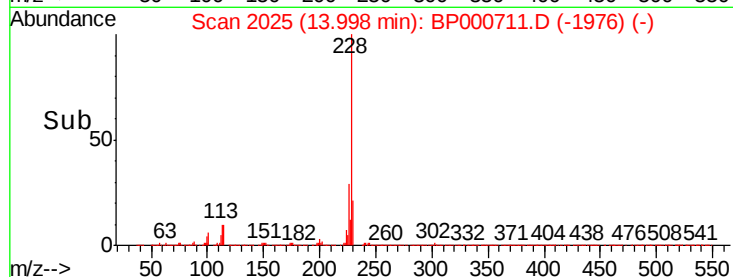
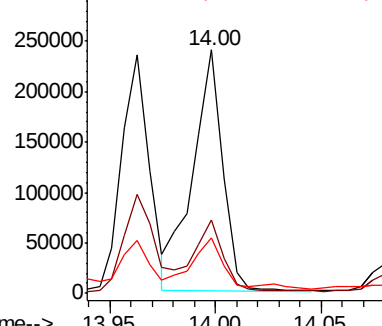
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	23.0	16.3	24.5



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: 6.617 ng

RT: 13.96 min Scan# 2019

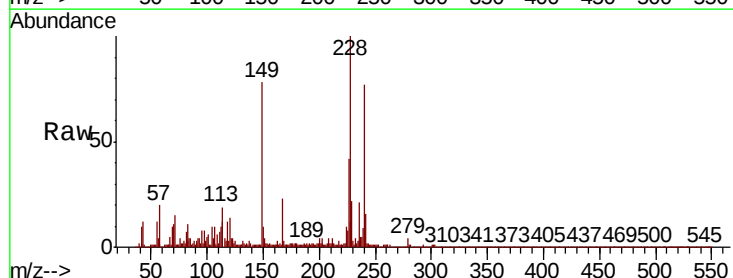
Delta R.T. -0.01 min

Lab File: BP000711.D

Acq: 14 Oct 2019 15:29

Tgt Ion:149 Resp: 159890

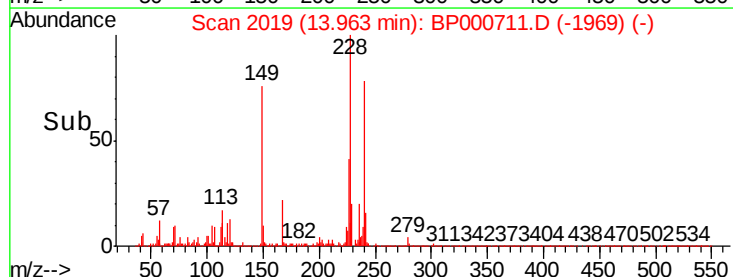
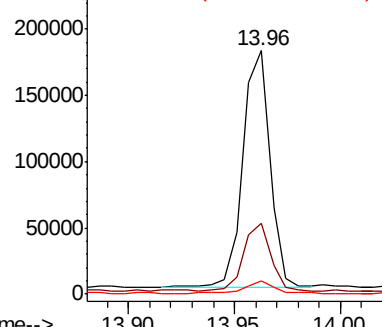
Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.6	35.4
279	5.3	3.9	5.9

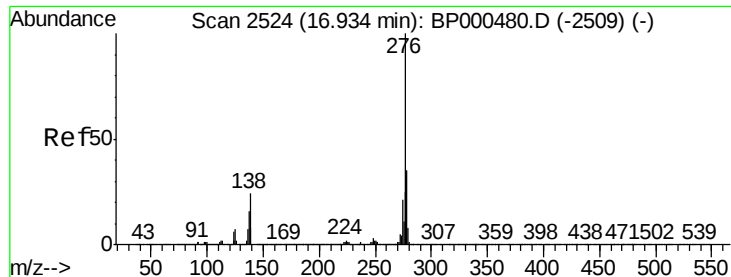


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

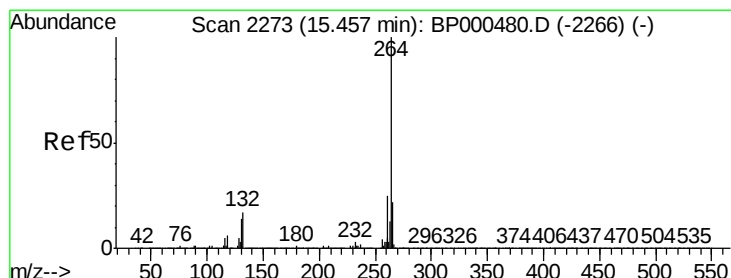
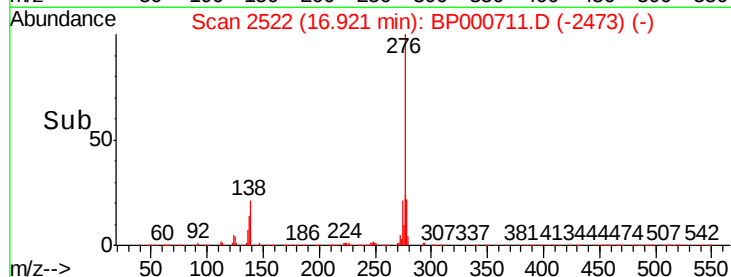
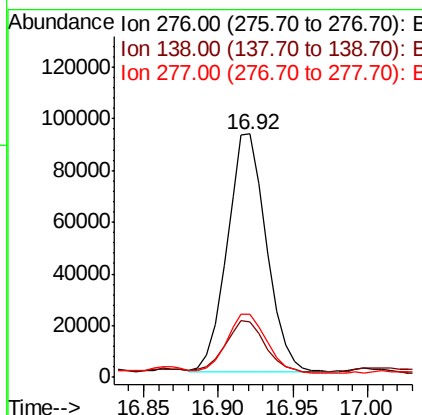
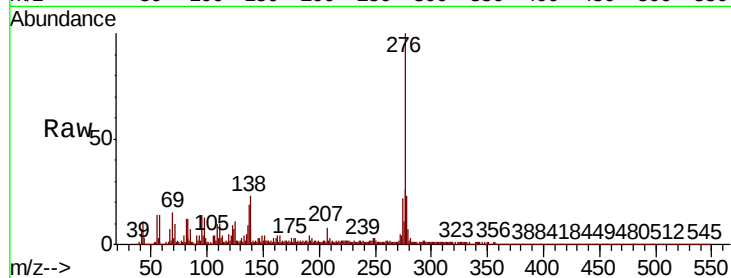




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.517 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BP000711.D
 Acq: 14 Oct 2019 15:29

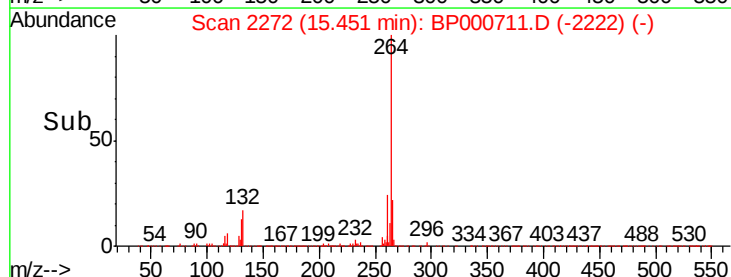
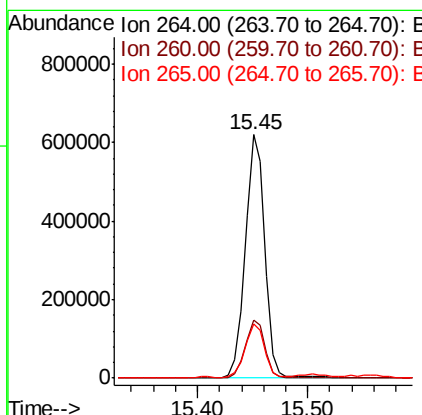
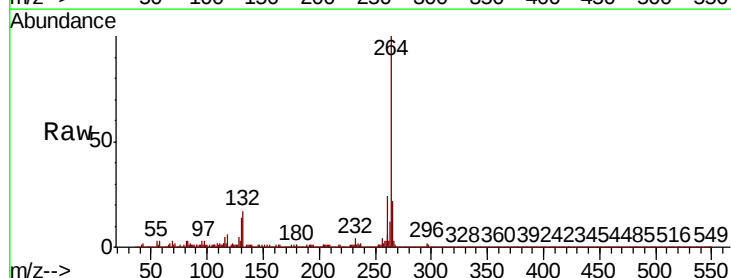
Instrument :
 BNA_P
 ClientSampleId :

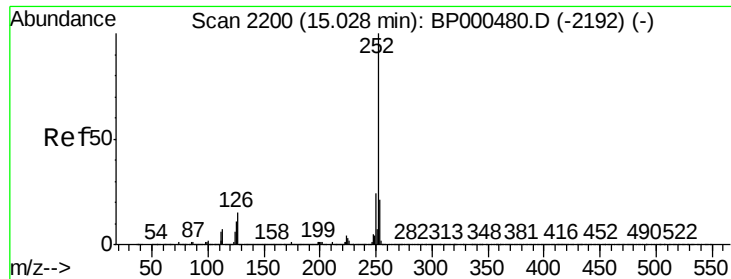
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.9	31.3
277	25.3	20.6	30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BP000711.D
 Acq: 14 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.3	30.5
265	22.3	18.0	27.0

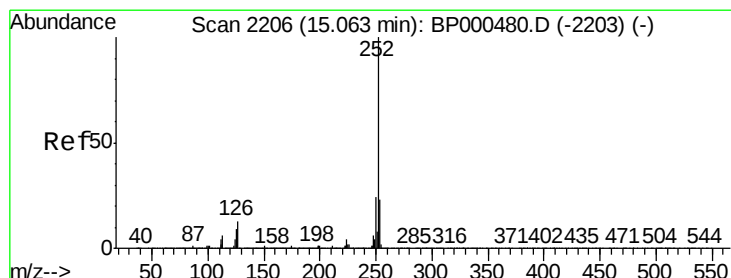
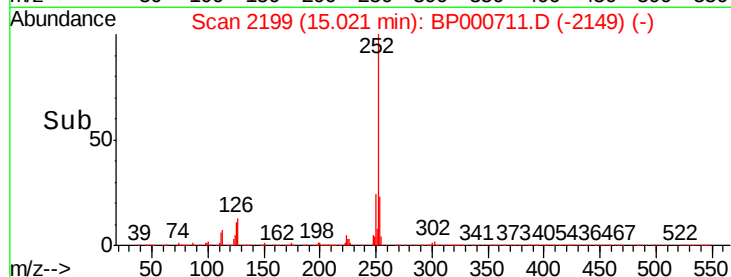
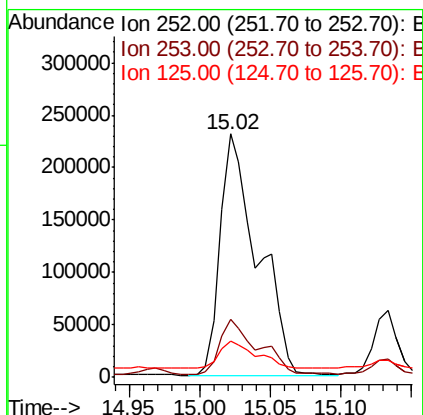
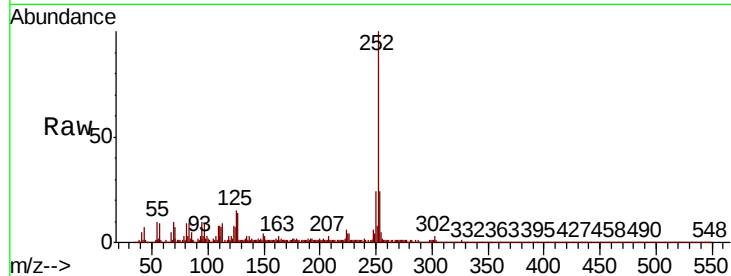




#88
Benzo(b)fluoranthene
Concen: 9.932 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

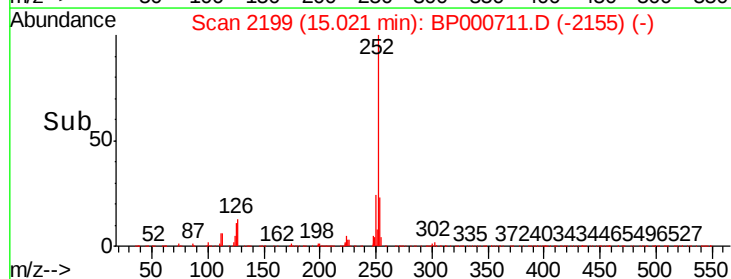
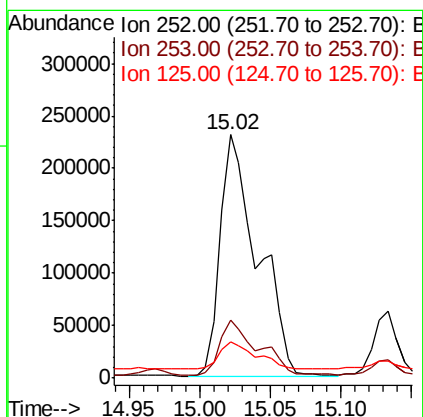
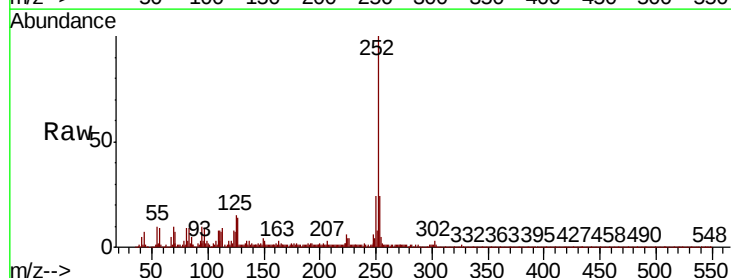
Instrument :
BNA_P
ClientSampleId :

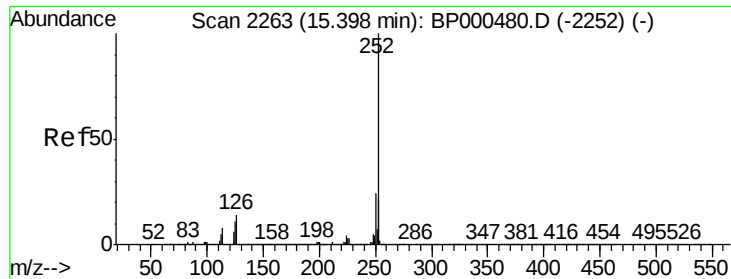
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	14.8	8.9	13.3



#89
Benzo(k)fluoranthene
Concen: 10.433 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	14.8	7.8	11.8

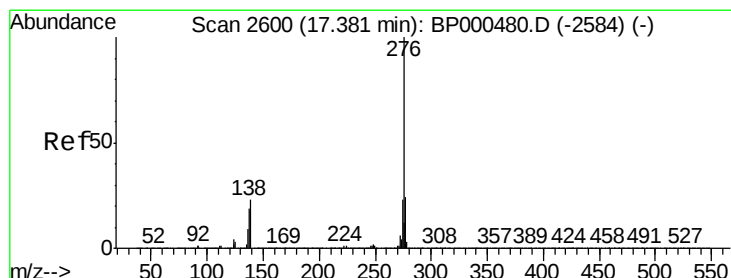
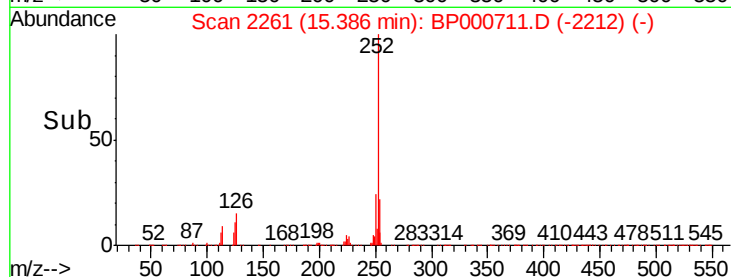
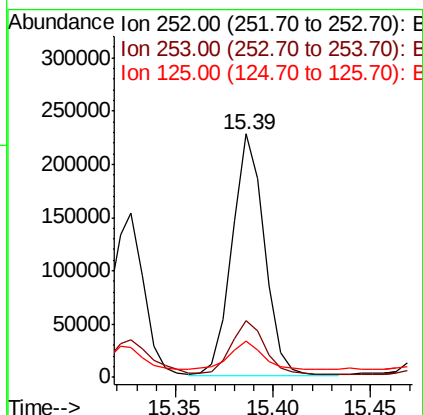
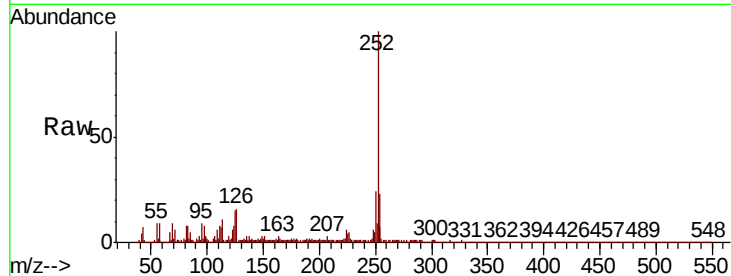




#90
Benzo(a)pyrene
Concen: 6.451 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.7	8.4	12.6



#92
Benzo(g,h,i)perylene
Concen: 4.354 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BP000711.D
Acq: 14 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.2
138	23.4	18.5	27.7

