

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120319\
 Data File : BP001191.D
 Acq On : 04 Dec 2019 10:36
 Operator : JU
 Sample : K6027-09DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 04 11:07:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	100769	20.00	ng	-0.02
21) Naphthalene-d8	10.35	136	373643	20.00	ng	-0.01
39) Acenaphthene-d10	13.21	164	209340	20.00	ng	-0.02
64) Phenanthrene-d10	15.60	188	405489	20.00	ng	-0.02
76) Chrysene-d12	19.25	240	319413	20.00	ng	-0.03
87) Perylene-d12	21.02	264	334303	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	51024	8.40	ng	-0.02
7) Phenol-d6	7.75	99	42945	5.31	ng	-0.02
23) Nitrobenzene-d5	9.19	82	73573	8.54	ng	-0.02
42) 2,4,6-Tribromophenol	14.50	330	26609	13.26	ng	-0.02
45) 2-Fluorobiphenyl	12.12	172	131561	9.20	ng	-0.03
79) Terphenyl-d14	17.89	244	162619	9.42	ng	-0.03

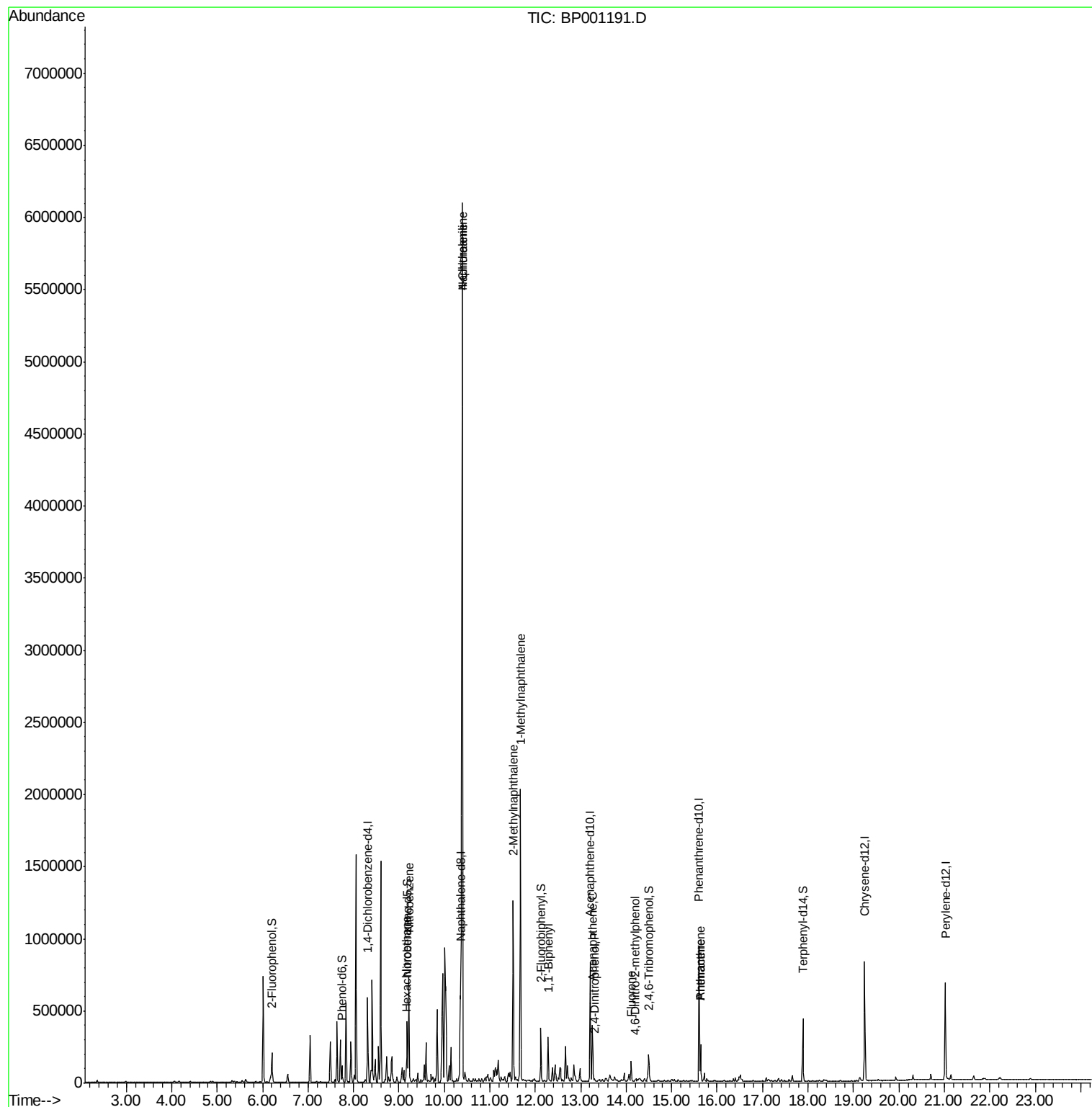
Target Compounds				Qvalue		
9) Benzaldehyde	7.59	77	1810	Below Cal	#	1
18) Hexachloroethane	9.16	117	27229	8.772	ng	35
24) Nitrobenzene	9.22	77	17500	2.044	ng	1
31) Naphthalene	10.39	128	3744624	196.230	ng	99
33) 4-Chloroaniline	10.39	127	512156	61.847	ng	33
37) 2-Methylnaphthalene	11.51	142	401881	30.863	ng	97
38) 1-Methylnaphthalene	11.67	142	646427	52.553	ng	99
46) 1,1'-Biphenyl	12.28	154	112409	6.948	ng	98
52) Acenaphthene	13.26	154	108090	9.276	ng	99
54) 2,4-Dinitrophenol	13.30	184	18	7.121	ng	# 1
58) Fluorene	14.10	166	47904	3.414	ng	96
65) 4,6-Dinitro-2-methylphenol	14.19	198	26	6.289	ng	# 1
71) Phenanthrene	15.64	178	112031	5.255	ng	98
72) Anthracene	15.64	178	112031	5.332	ng	97

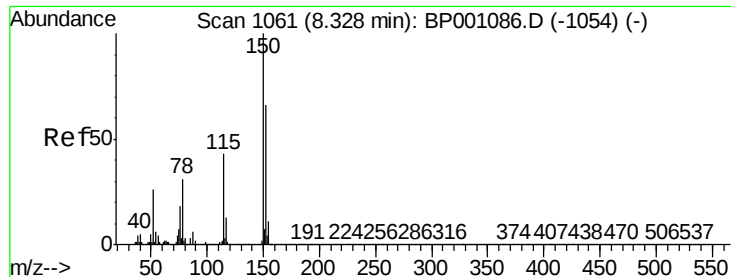
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 17:38:46 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

Instrument :

BNA_P

ClientSampleId :

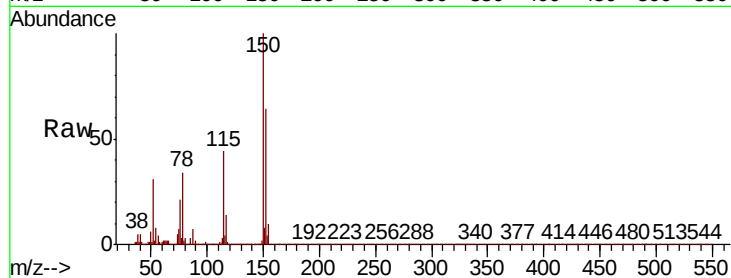
Tot Ion:152 Resp: 100769

Ion Ratio Lower Upper

152 100

150 155.3 120.6 181.0

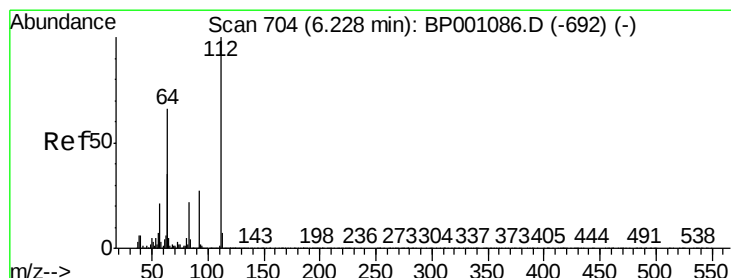
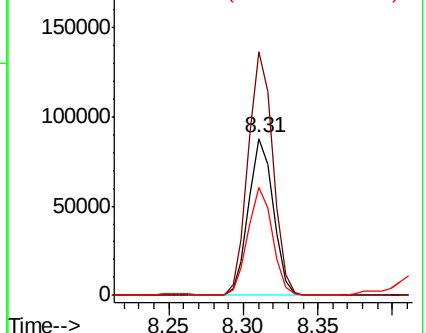
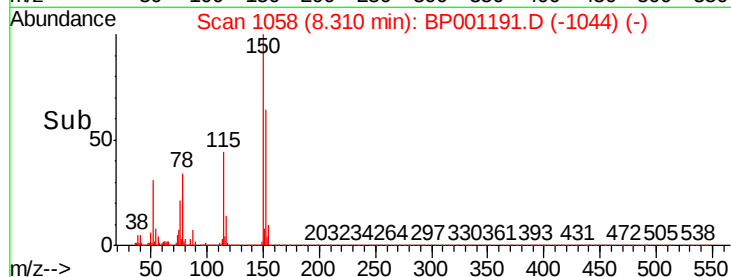
115 68.9 51.6 77.4



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: 8.401 ng

RT: 6.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

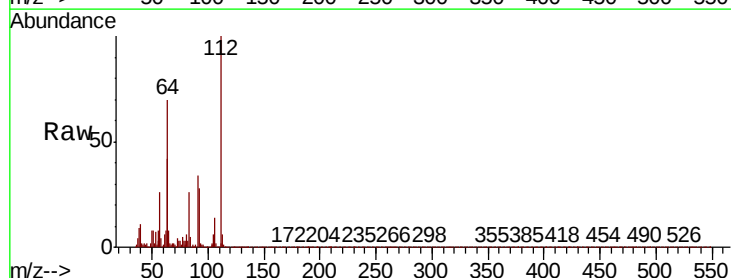
Tgt Ion:112 Resp: 51024

Ion Ratio Lower Upper

112 100

64 69.6 52.8 79.2

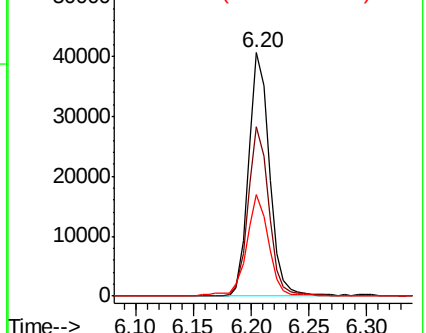
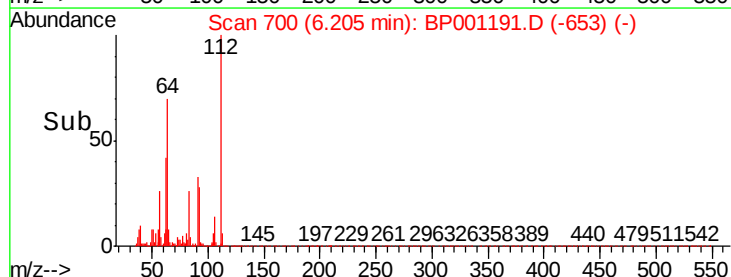
63 41.6 28.2 42.2

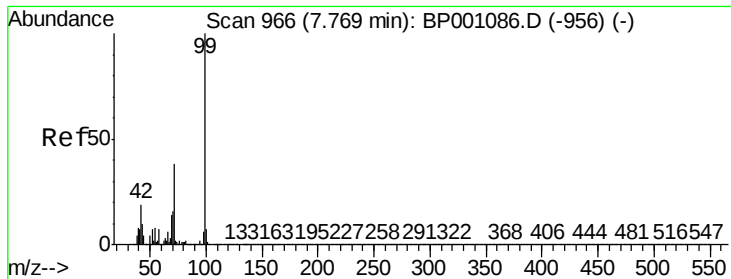


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 5.307 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.02 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

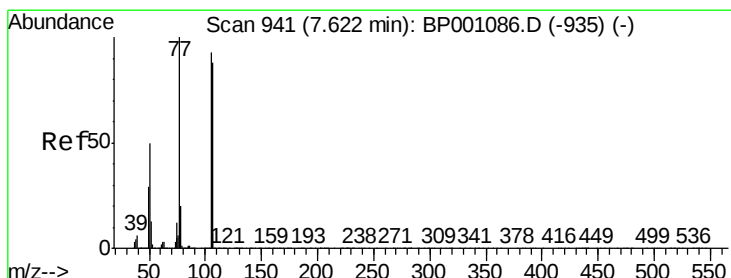
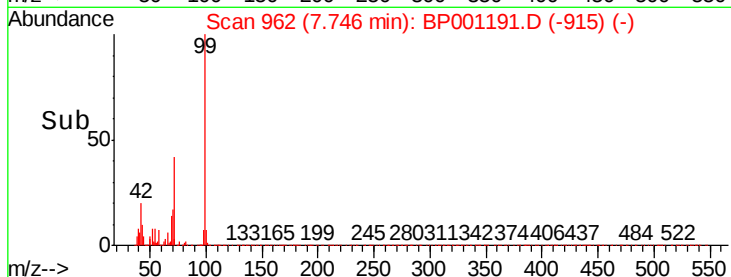
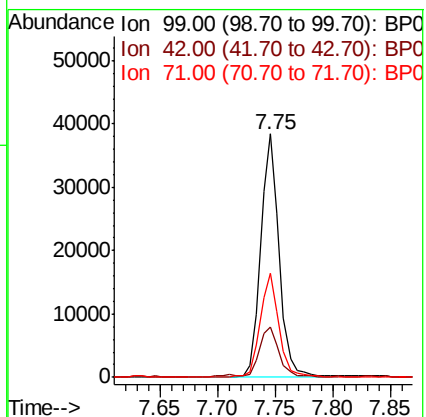
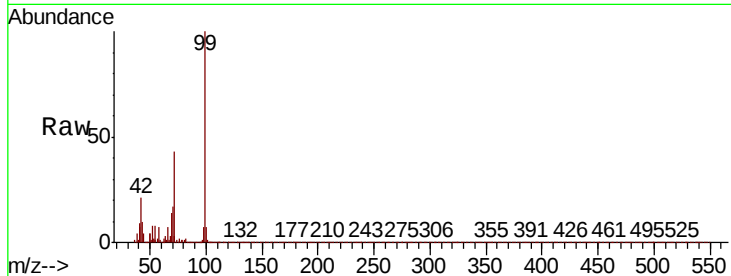
Instrument :

BNA_P

ClientSampled :

Tot Ion: 99 Resp: 42945

Ion	Ratio	Lower	Upper
99	100		
42	20.8	15.4	23.0
71	42.6	30.8	46.2



#9

Benzaldehyde

Concen: Below Cal

RT: 7.59 min Scan# 936

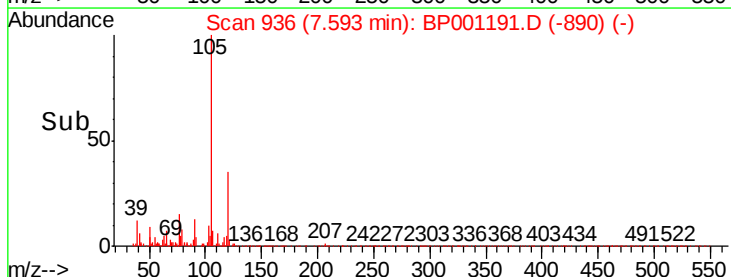
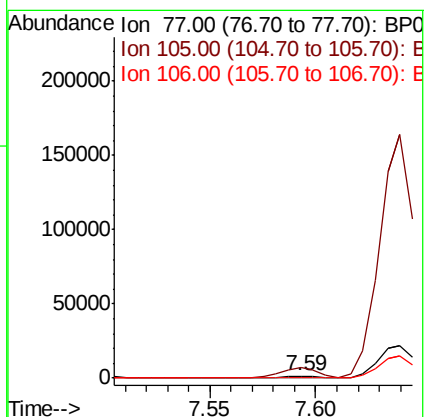
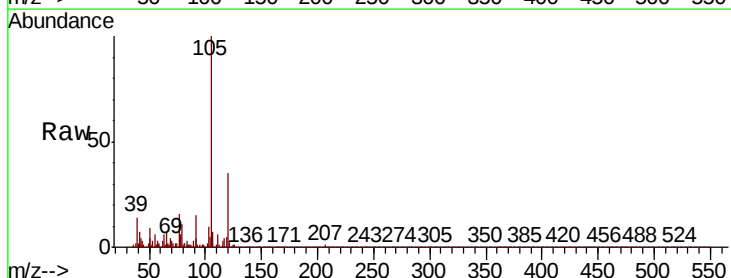
Delta R.T. -0.03 min

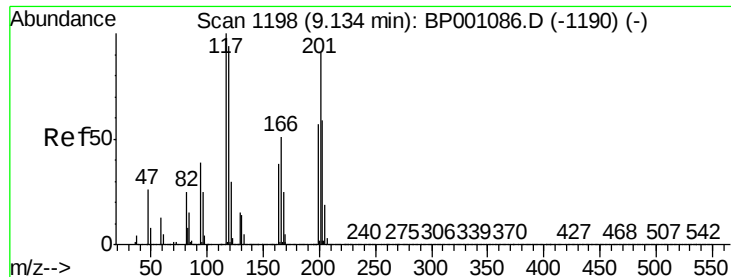
Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

Tgt Ion: 77 Resp: 1810

Ion	Ratio	Lower	Upper
77	100		
105	613.9	72.5	112.5#
106	45.2	67.6	107.6#

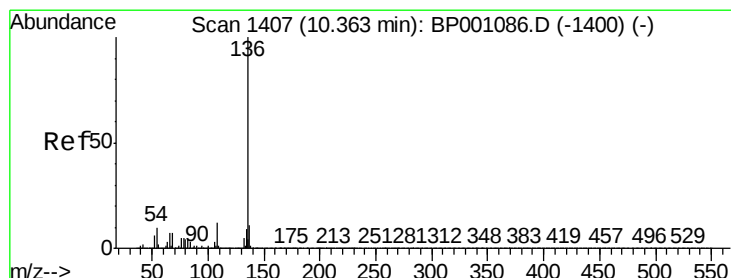
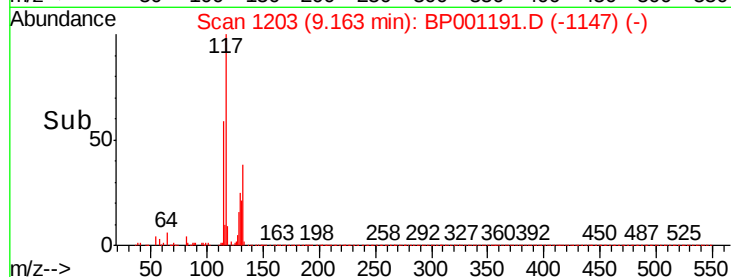
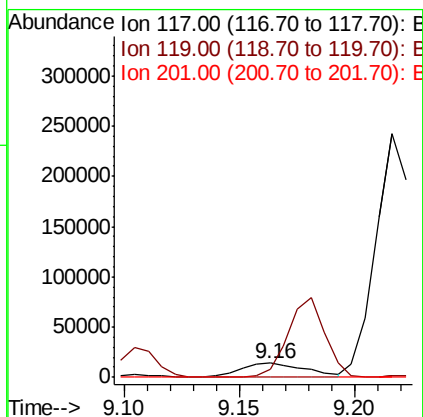
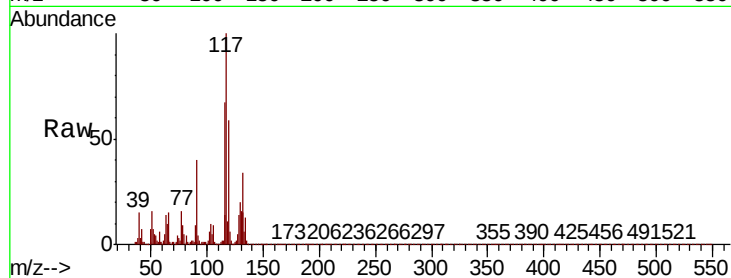




#18
Hexachloroethane
Concen: 8.772 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.03 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

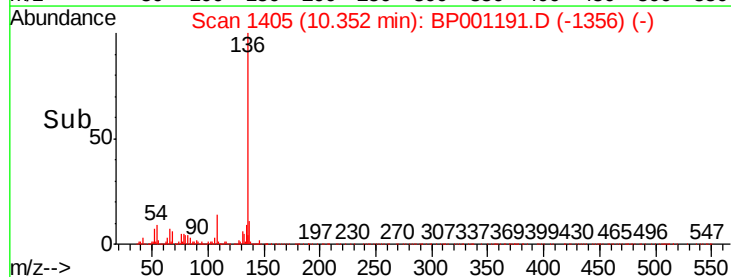
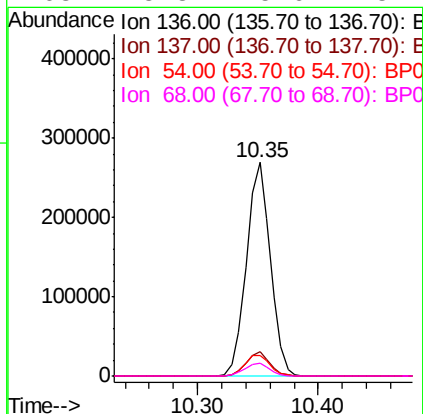
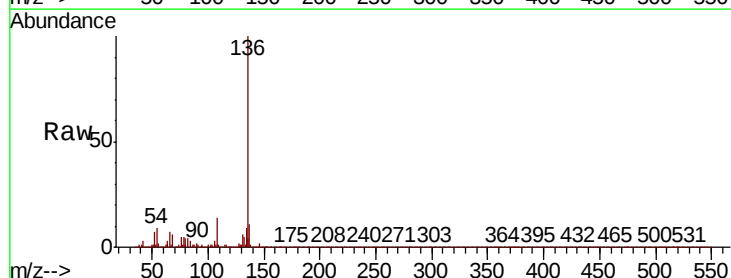
Instrument :
BNA_P
ClientSampleId :

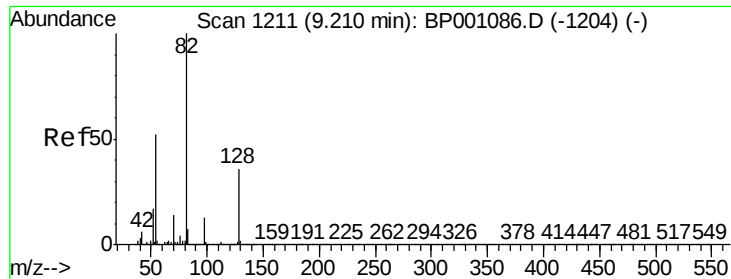
Tot Ion:117 Resp: 27229
Ion Ratio Lower Upper
117 100
119 59.0 75.2 112.8#
201 0.1 72.5 108.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

Tgt Ion:136 Resp: 373643
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 9.4 7.9 11.9
68 5.8 5.6 8.4

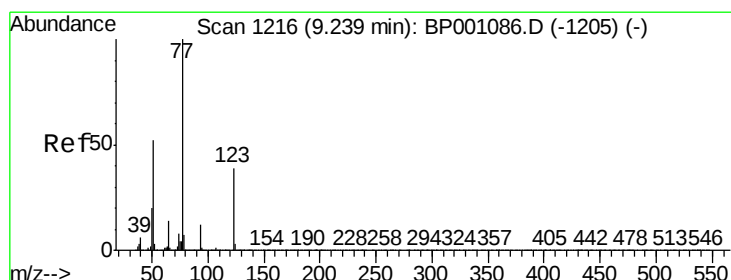
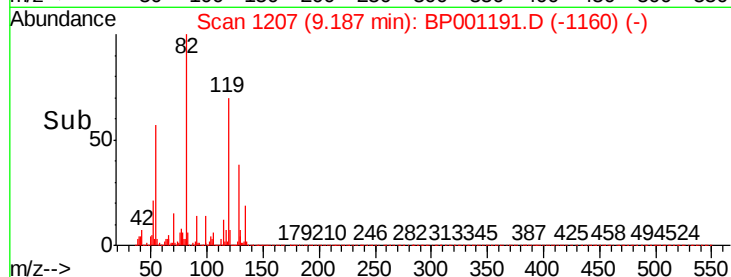
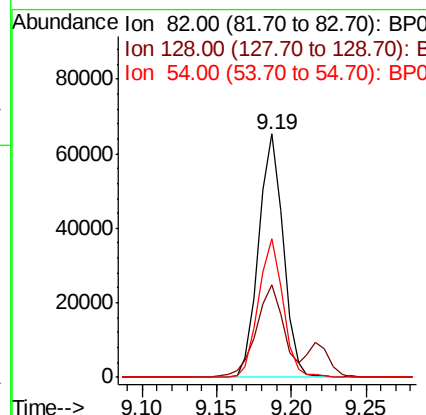
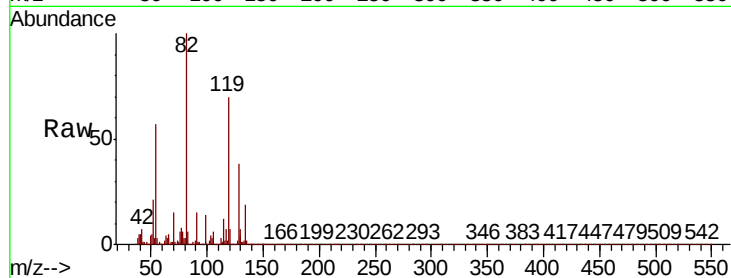




#23
Nitrobenzene-d5
Concen: 8.543 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

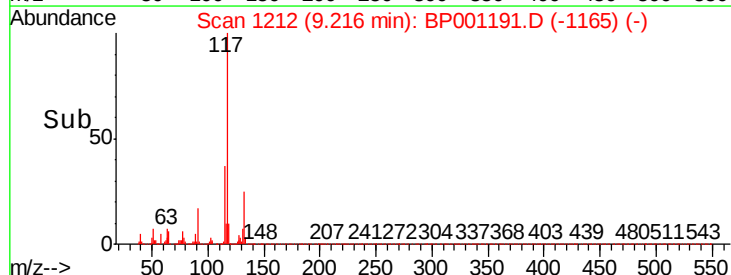
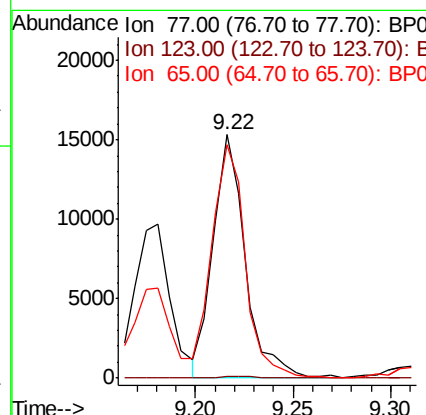
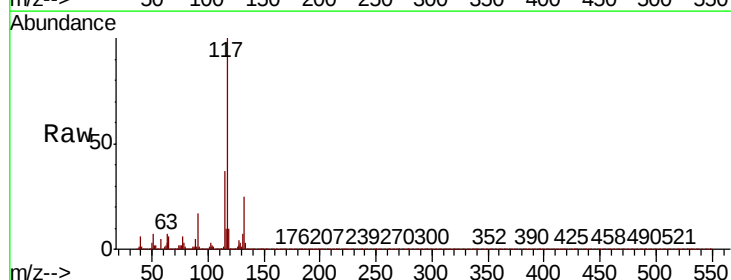
Instrument :
BNA_P
ClientSampleId :

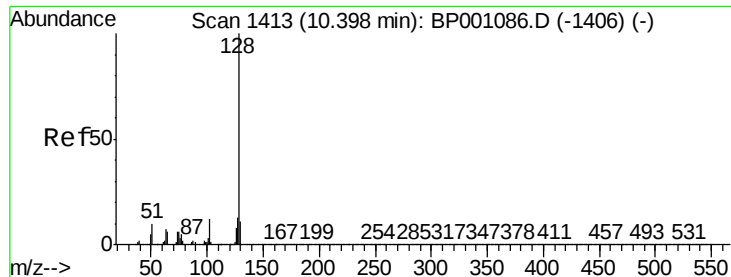
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.2	28.9	43.3
54	56.7	41.9	62.9



#24
Nitrobenzene
Concen: 2.044 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.4	31.0	46.4#
65	95.7	11.0	16.6#

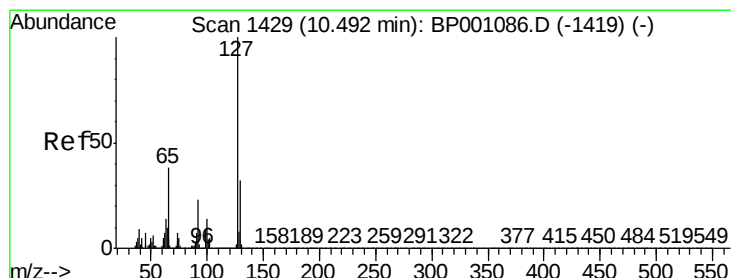
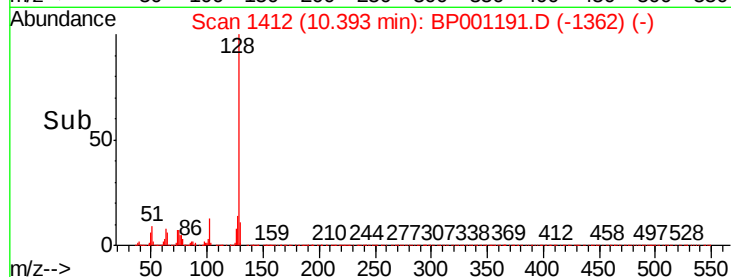
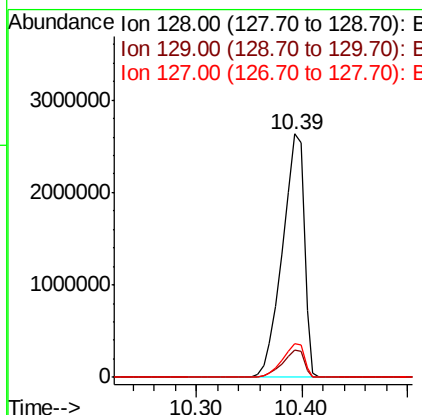
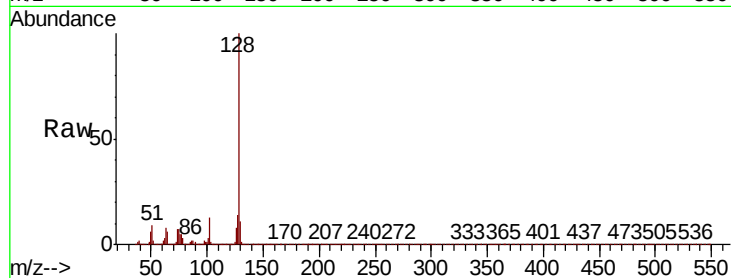




#31
Naphthalene
Concen: 196.230 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

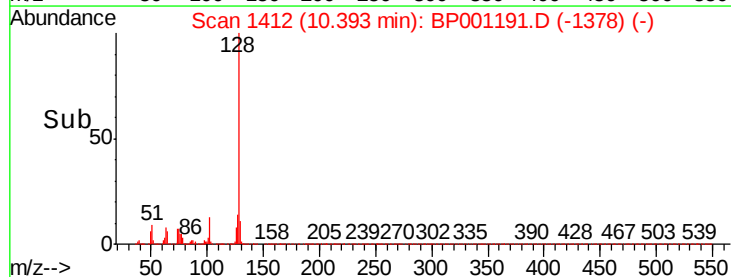
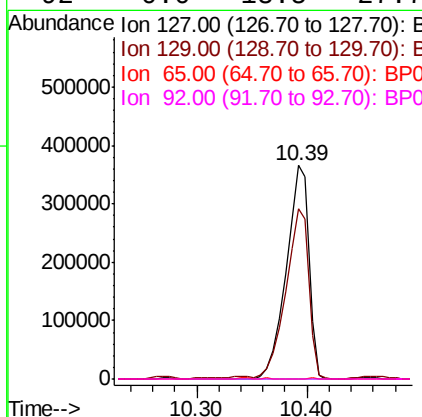
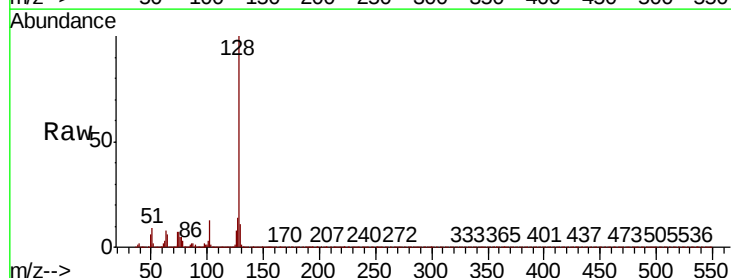
Instrument :
BNA_P
ClientSampleId :

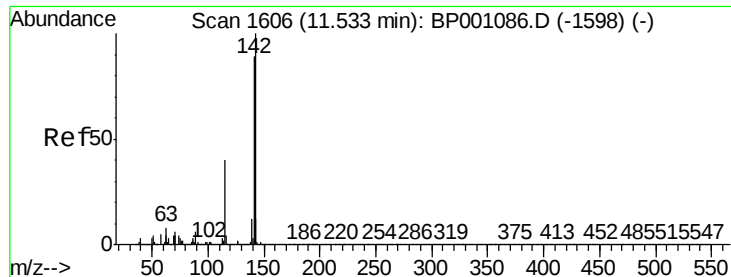
Tot Ion:128 Resp: 3744624
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.9 10.6 16.0



#33
4-Chloroaniline
Concen: 61.847 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.10 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

Tgt Ion:127 Resp: 512156
Ion Ratio Lower Upper
127 100
129 79.7 25.5 38.3#
65 0.0 30.6 46.0#
92 0.0 18.5 27.7#





#37

2-Methylnaphthalene

Concen: 30.863 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.02 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

Instrument :

BNA_P

ClientSampleId :

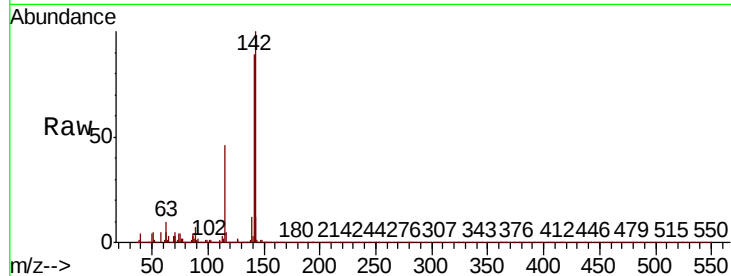
Tot Ion:142 Resp: 401881

Ion Ratio Lower Upper

142 100

141 89.0 71.1 106.7

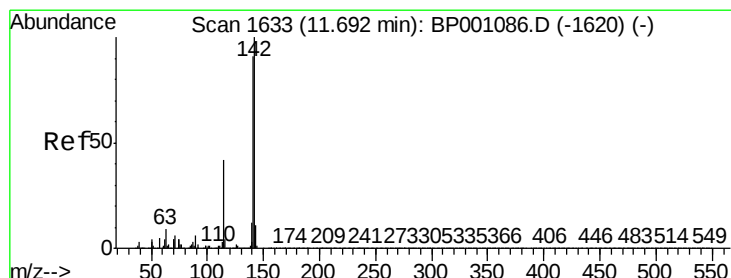
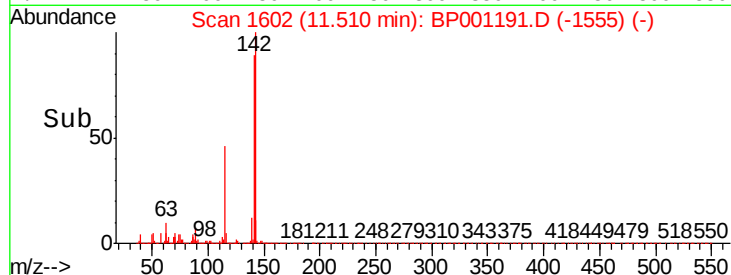
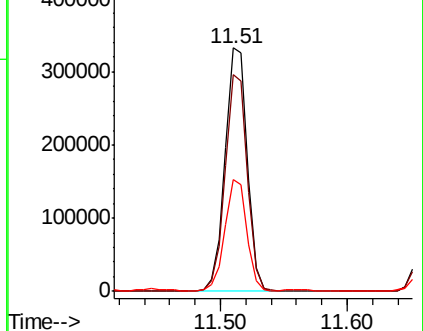
115 45.8 32.3 48.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 52.553 ng

RT: 11.67 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

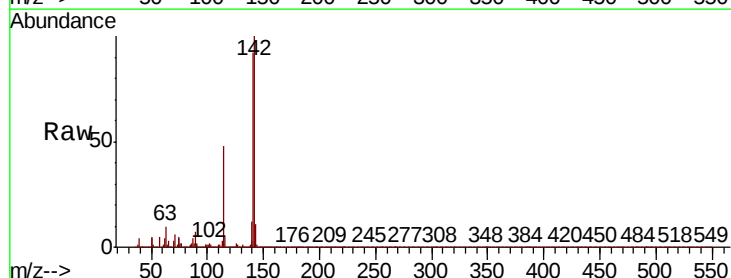
Tgt Ion:142 Resp: 646427

Ion Ratio Lower Upper

142 100

141 91.9 73.0 109.4

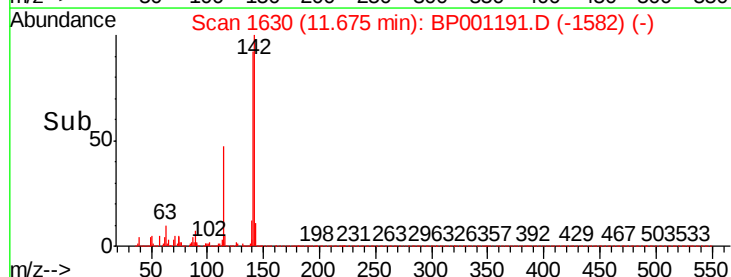
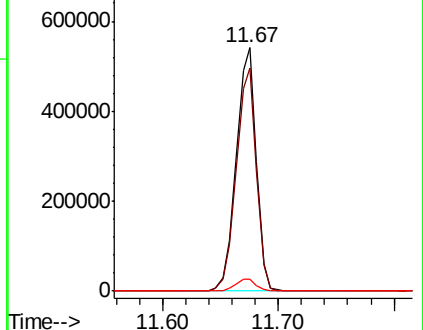
116 5.0 3.4 5.2

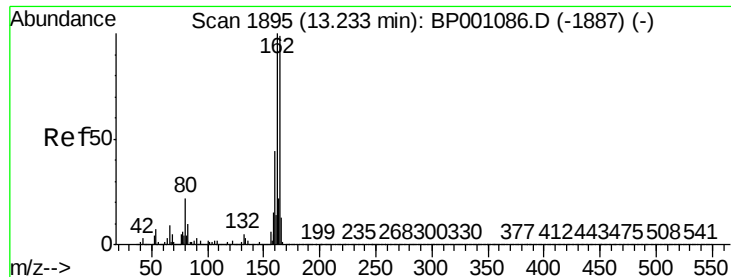


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.21 min Scan# 1891

Delta R.T. -0.02 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

Instrument :

BNA_P

ClientSampleId :

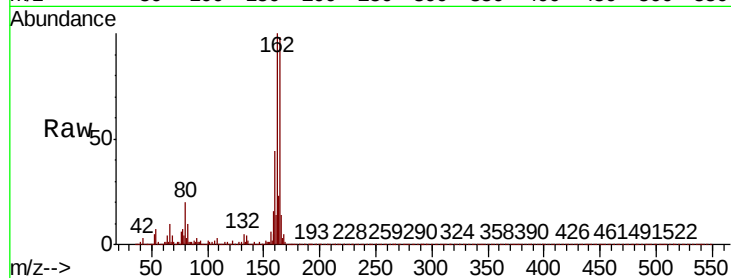
Tot Ion:164 Resp: 209340

Ion Ratio Lower Upper

164 100

162 101.9 80.6 120.8

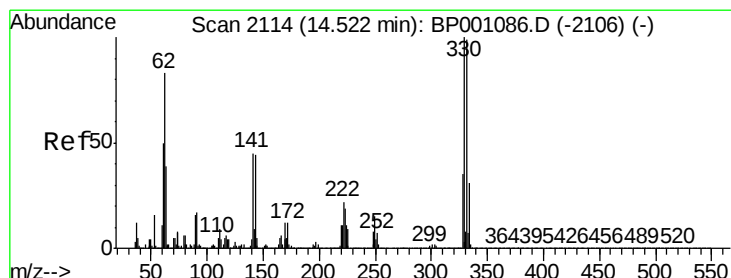
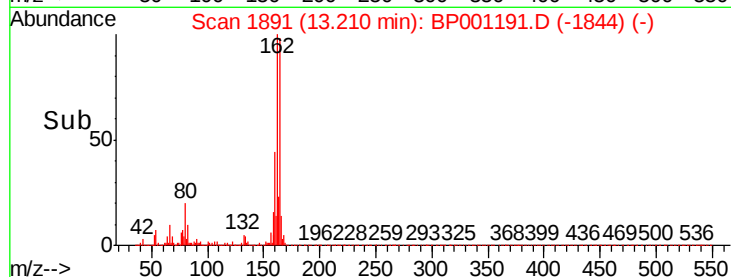
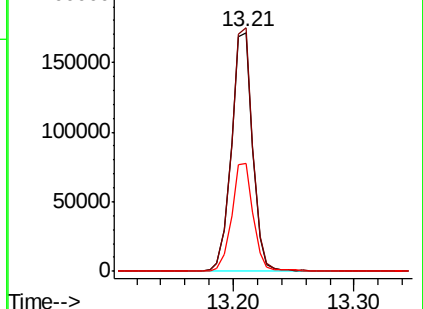
160 45.3 35.4 53.2



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



#42

2,4,6-Tribromophenol

Concen: 13.261 ng

RT: 14.50 min Scan# 2110

Delta R.T. -0.02 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

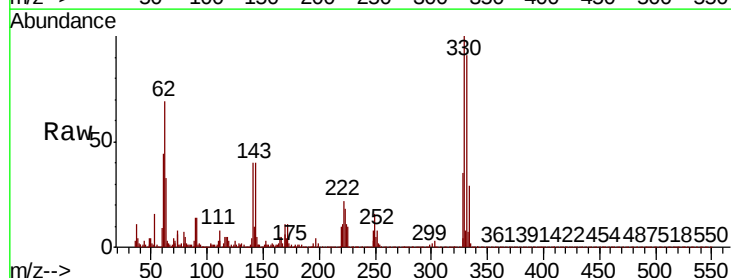
Tgt Ion:330 Resp: 26609

Ion Ratio Lower Upper

330 100

332 93.6 77.6 116.4

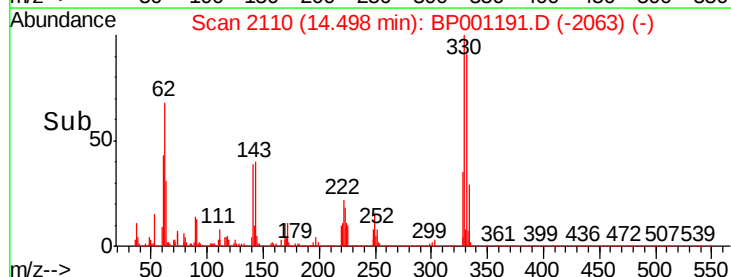
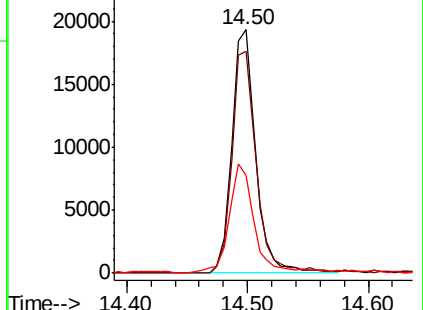
141 46.1 34.2 51.2

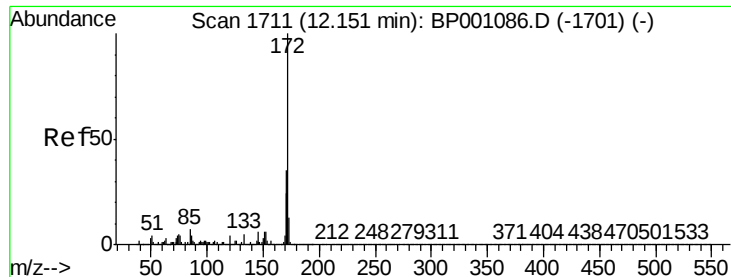


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

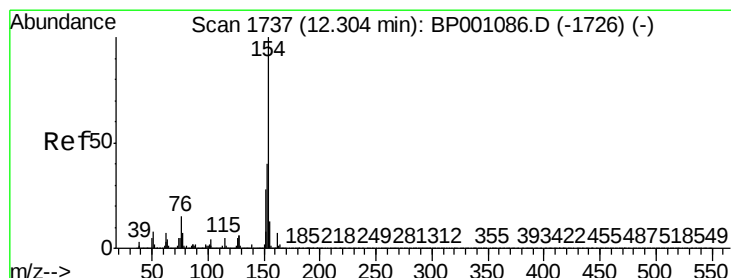
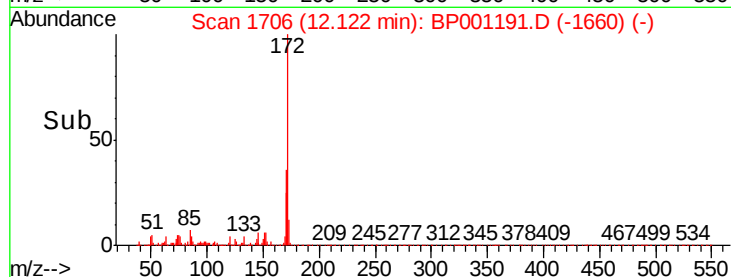
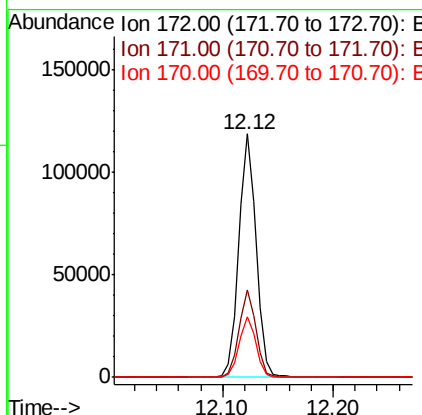
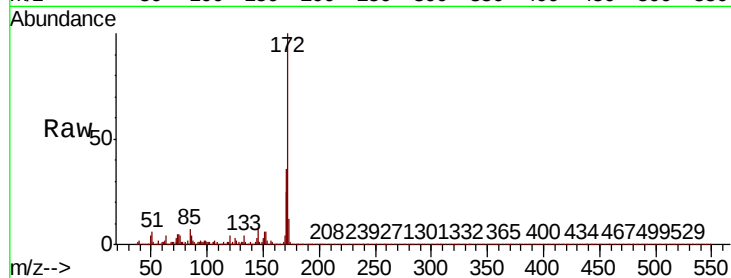




#45
2-Fluorobiphenyl
Concen: 9.198 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.03 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

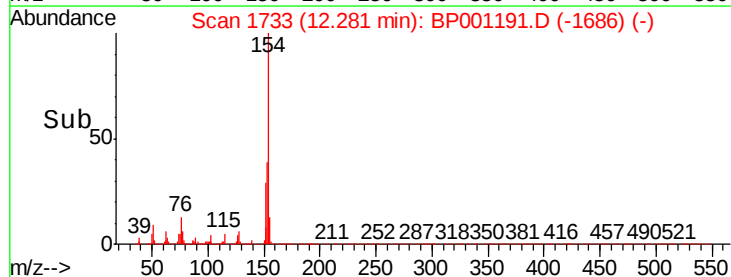
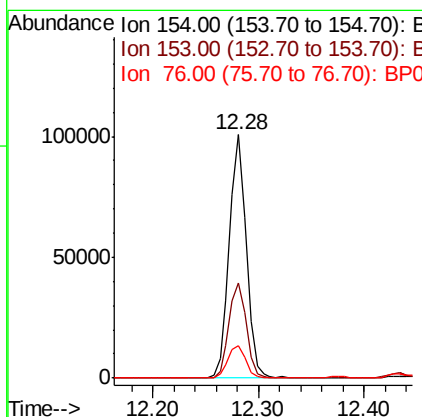
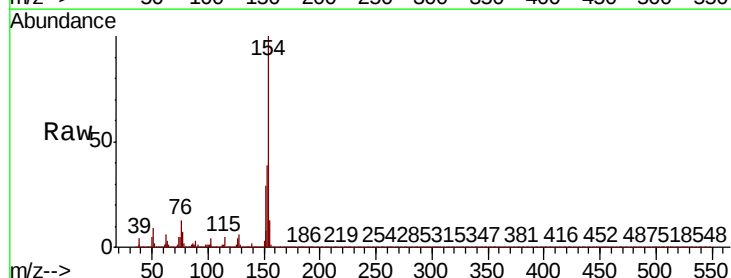
Instrument :
BNA_P
ClientSampleId :

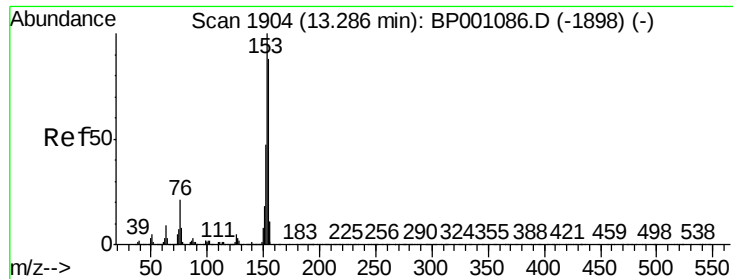
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.9	41.9
170	24.6	19.0	28.4



#46
1,1'-Biphenyl
Concen: 6.948 ng
RT: 12.28 min Scan# 1733
Delta R.T. -0.02 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.2	60.2
76	13.4	0.0	34.5





#52

Acenaphthene

Concen: 9.276 ng

RT: 13.26 min Scan# 1899

Delta R.T. -0.03 min

Lab File: BP001191.D

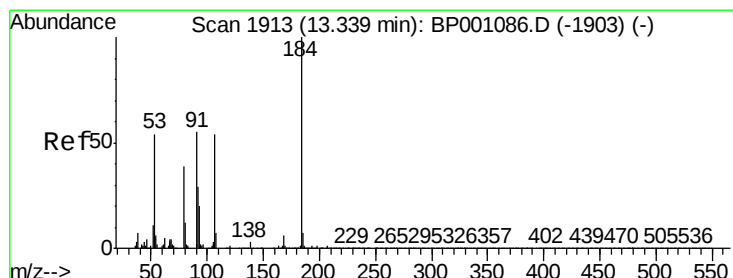
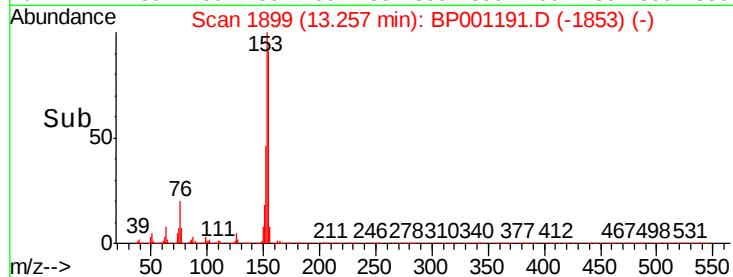
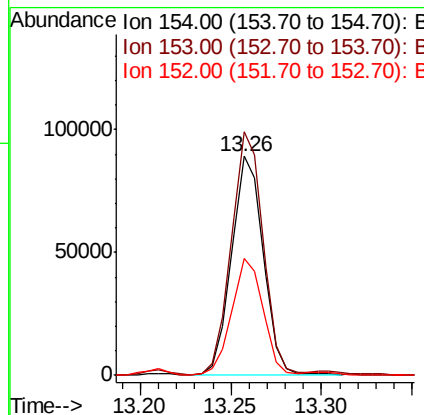
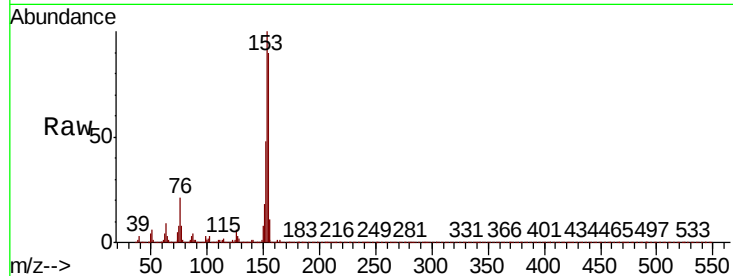
Acq: 04 Dec 2019 10:36

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	154	Resp:	108090
Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.5	135.7
152	53.3	42.6	64.0



#54

2,4-Dinitrophenol

Concen: 7.121 ng

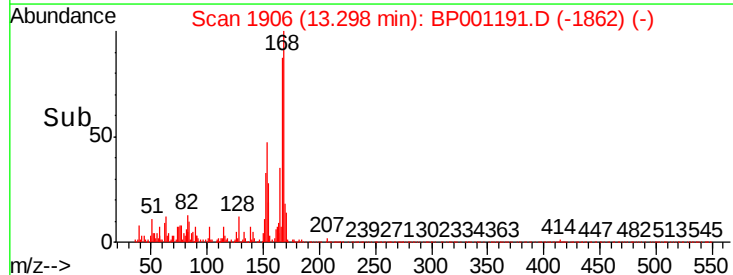
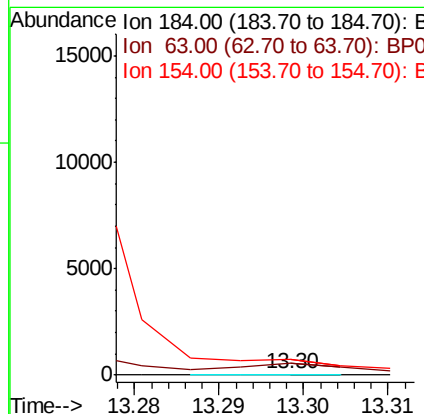
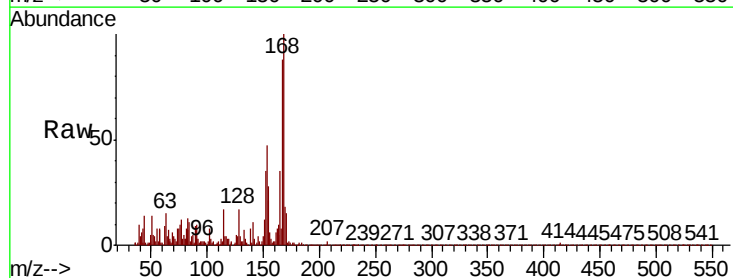
RT: 13.30 min Scan# 1906

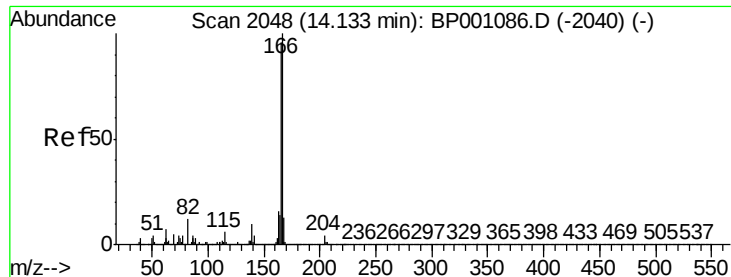
Delta R.T. -0.04 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

Tgt Ion:	184	Resp:	18
Ion	Ratio	Lower	Upper
184	100		
63	1810.0	60.7	91.1#
154	2530.0	56.2	84.2#





#58

Fluorene

Concen: 3.414 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.03 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

Instrument :

BNA_P

ClientSampleId :

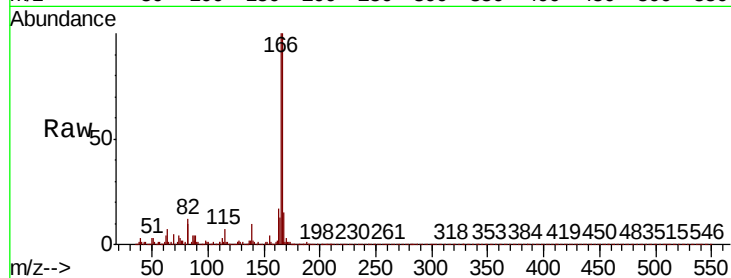
Tot Ion:166 Resp: 47904

Ion Ratio Lower Upper

166 100

165 99.8 76.7 115.1

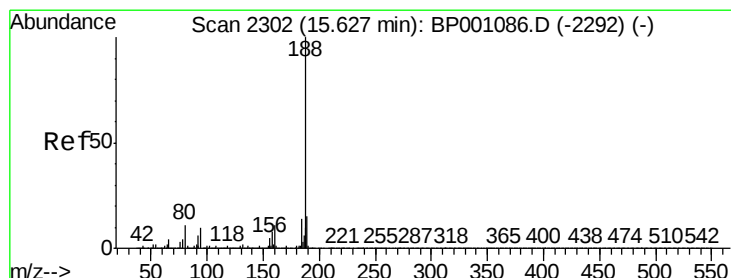
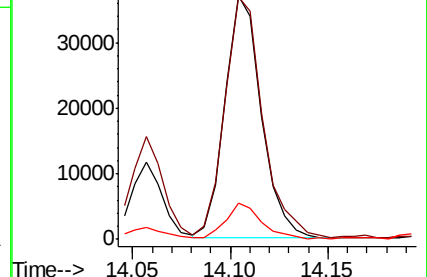
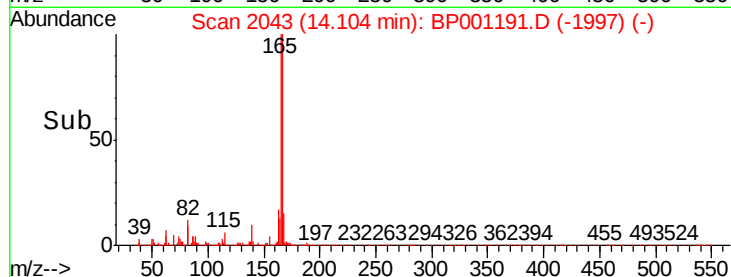
167 15.1 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.60 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

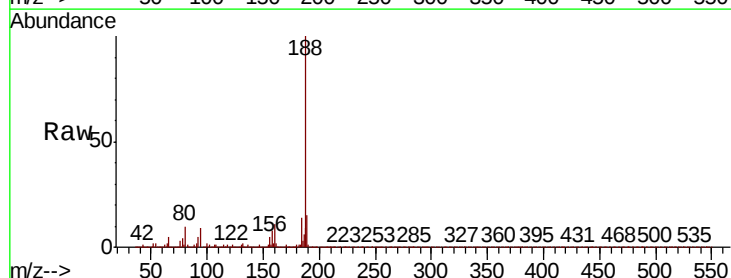
Tgt Ion:188 Resp: 405489

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

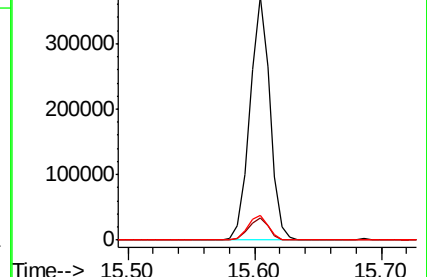
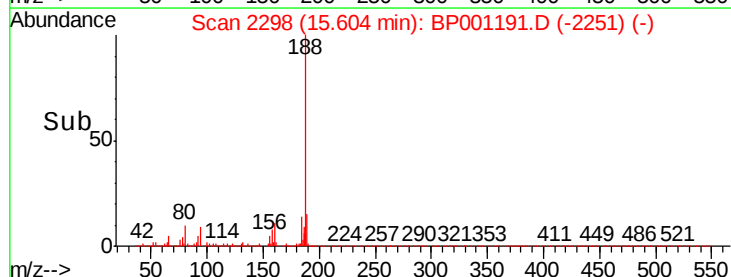
80 10.3 8.8 13.2

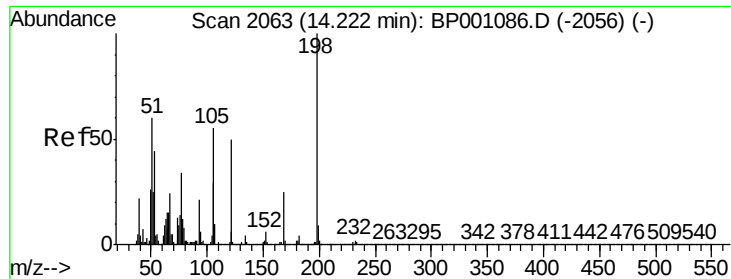


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

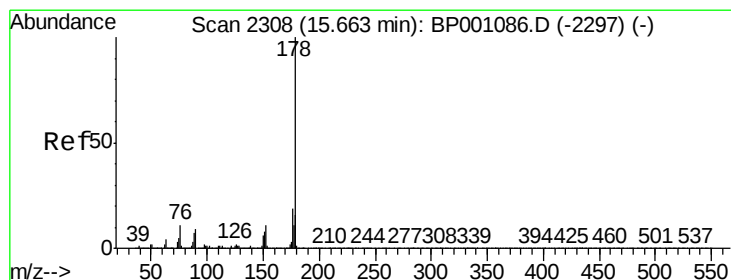
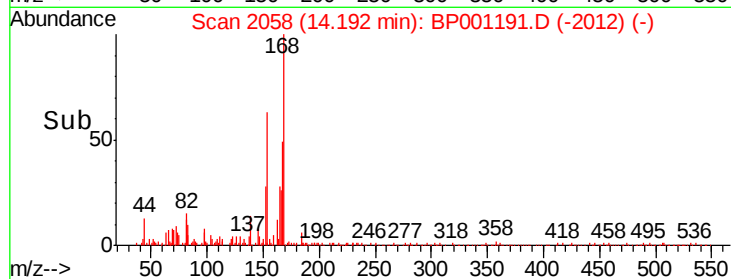
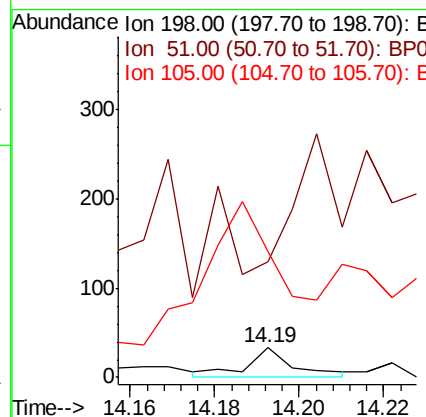
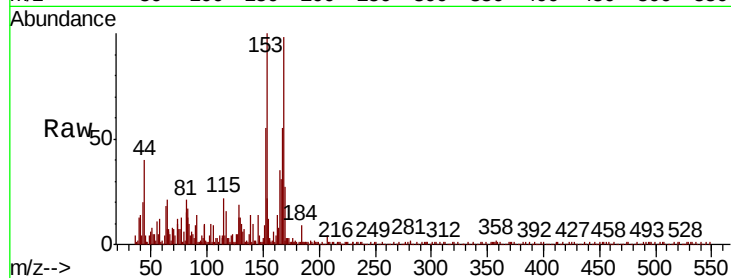




#65
4,6-Dinitro-2-methylphenol
Concen: 6.289 ng
RT: 14.19 min Scan# 2058
Delta R.T. -0.03 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

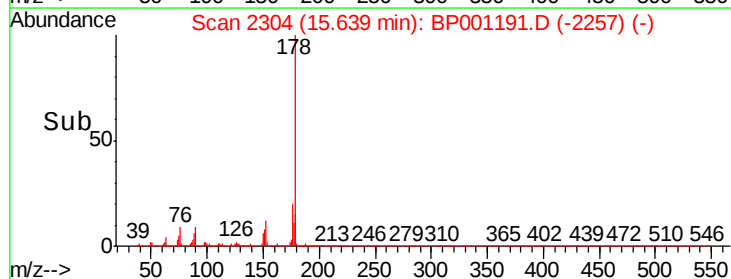
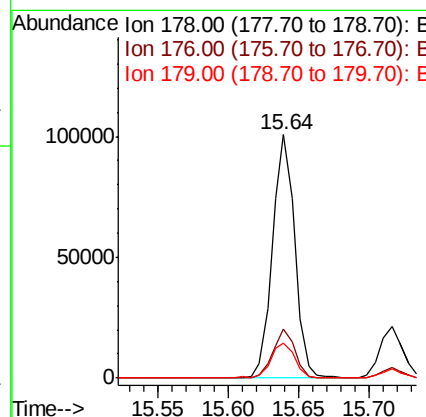
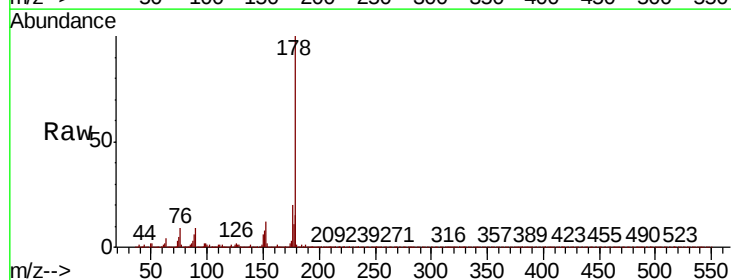
Instrument :
BNA_P
ClientSampleId :

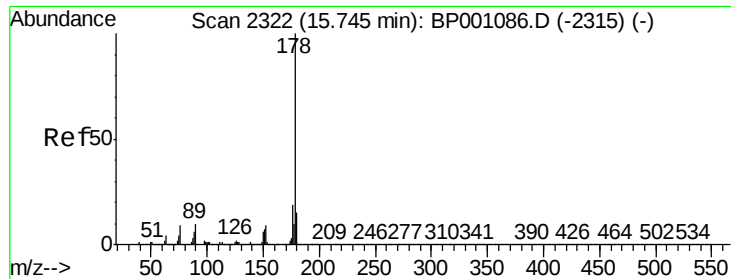
Tot Ion	Ratio	Lower	Upper
198	100		
51	393.9	40.5	80.5#
105	427.3	35.7	75.7#



#71
Phenanthrene
Concen: 5.255 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.02 min
Lab File: BP001191.D
Acq: 04 Dec 2019 10:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	14.6	12.5	18.7





#72

Anthracene

Concen: 5.332 ng

RT: 15.64 min Scan# 2304

Delta R.T. -0.11 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

Instrument :

BNA_P

ClientSampleId :

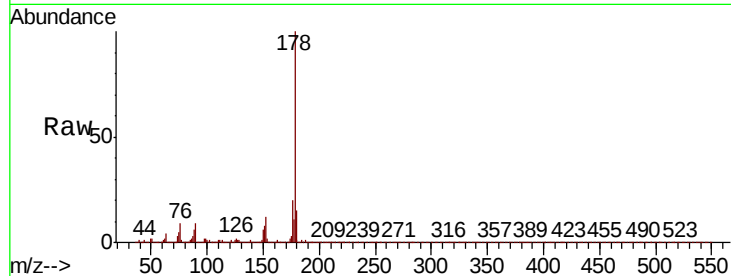
Tot Ion:178 Resp: 112031

Ion Ratio Lower Upper

178 100

176 20.0 14.9 22.3

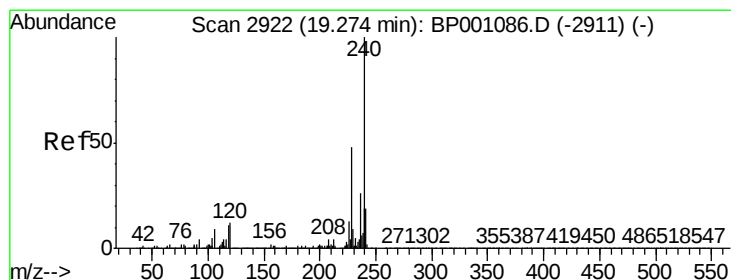
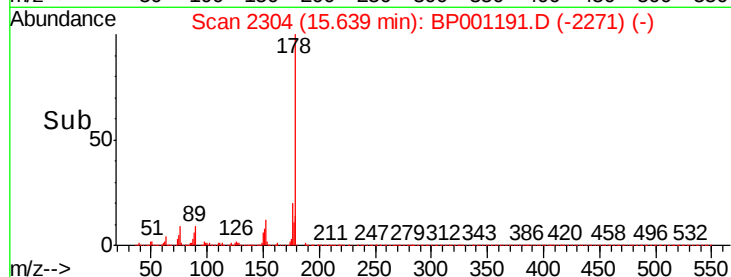
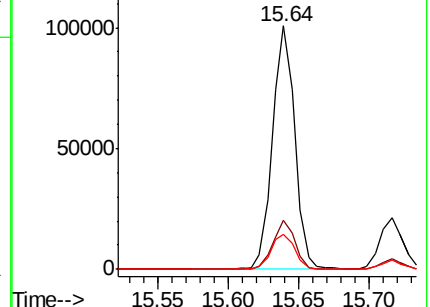
179 14.6 12.2 18.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.25 min Scan# 2917

Delta R.T. -0.03 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

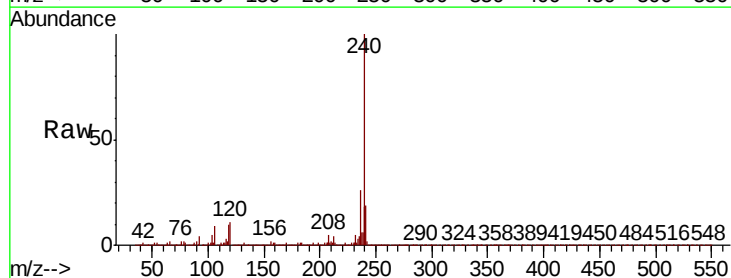
Tgt Ion:240 Resp: 319413

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

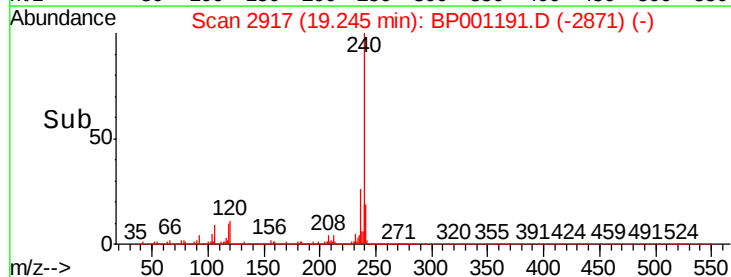
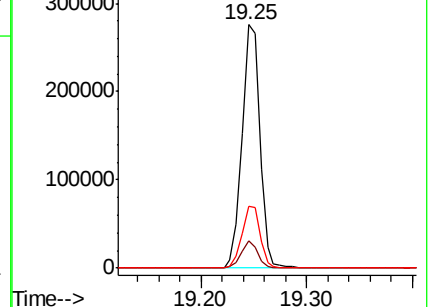
236 25.6 20.4 30.6

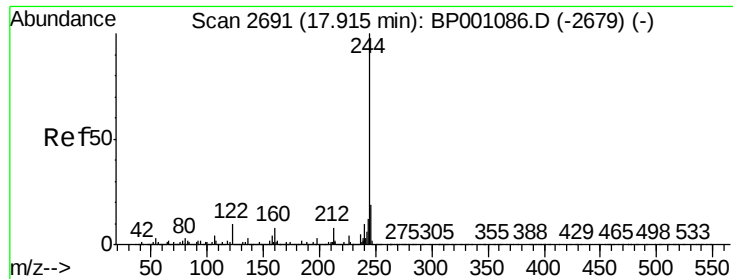


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 9.419 ng

RT: 17.89 min Scan# 2686

Delta R.T. -0.03 min

Lab File: BP001191.D

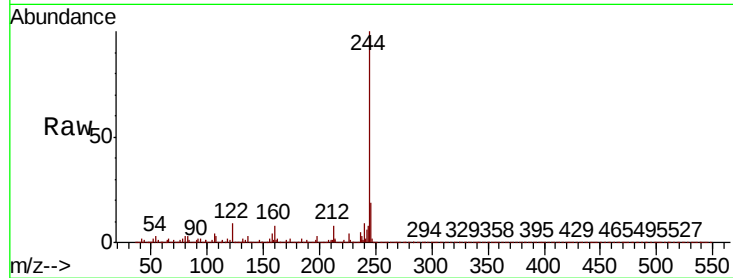
Acq: 04 Dec 2019 10:36

Instrument :

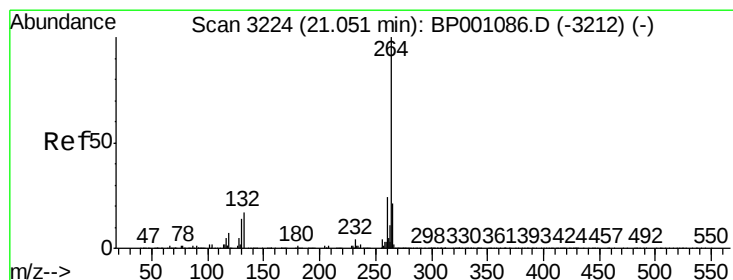
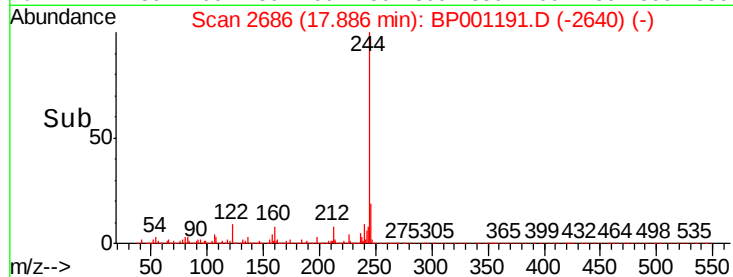
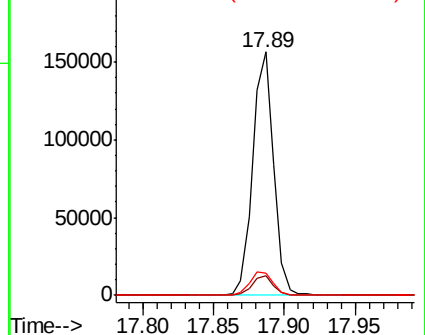
BNA_P

ClientSampleId :

Tot Ion:244	Resp:	162619
Ion Ratio	Lower	Upper
244	100	
212	8.1	6.2 9.2
122	9.1	8.2 12.2



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



#87

Perylene-d12

Concen: 20.000 ng

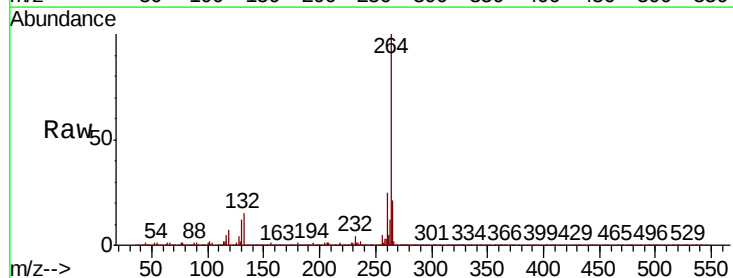
RT: 21.02 min Scan# 3219

Delta R.T. -0.03 min

Lab File: BP001191.D

Acq: 04 Dec 2019 10:36

Tgt Ion:264	Resp:	334303
Ion Ratio	Lower	Upper
264	100	
260	24.7	18.8 28.2
265	21.4	16.9 25.3



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

