

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072020\
 Data File : BP002804.D
 Acq On : 20 Jul 2020 17:11
 Operator : CG/JU
 Sample : L3325-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 200715091-01

Quant Time: Jul 20 17:49:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	175642	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	721785	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	394677	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	704887	20.00	ng	0.00
76) Chrysene-d12	21.07	240	569521	20.00	ng	0.00
86) Perylene-d12	23.26	264	555891	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	930300	89.36	ng	0.00
7) Phenol-d6	6.76	99	1356135	91.28	ng	0.00
23) Nitrobenzene-d5	8.70	82	1063469	78.80	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	495825	120.35	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1891873	74.15	ng	0.00
79) Terphenyl-d14	19.56	244	2189503	88.14	ng	0.00

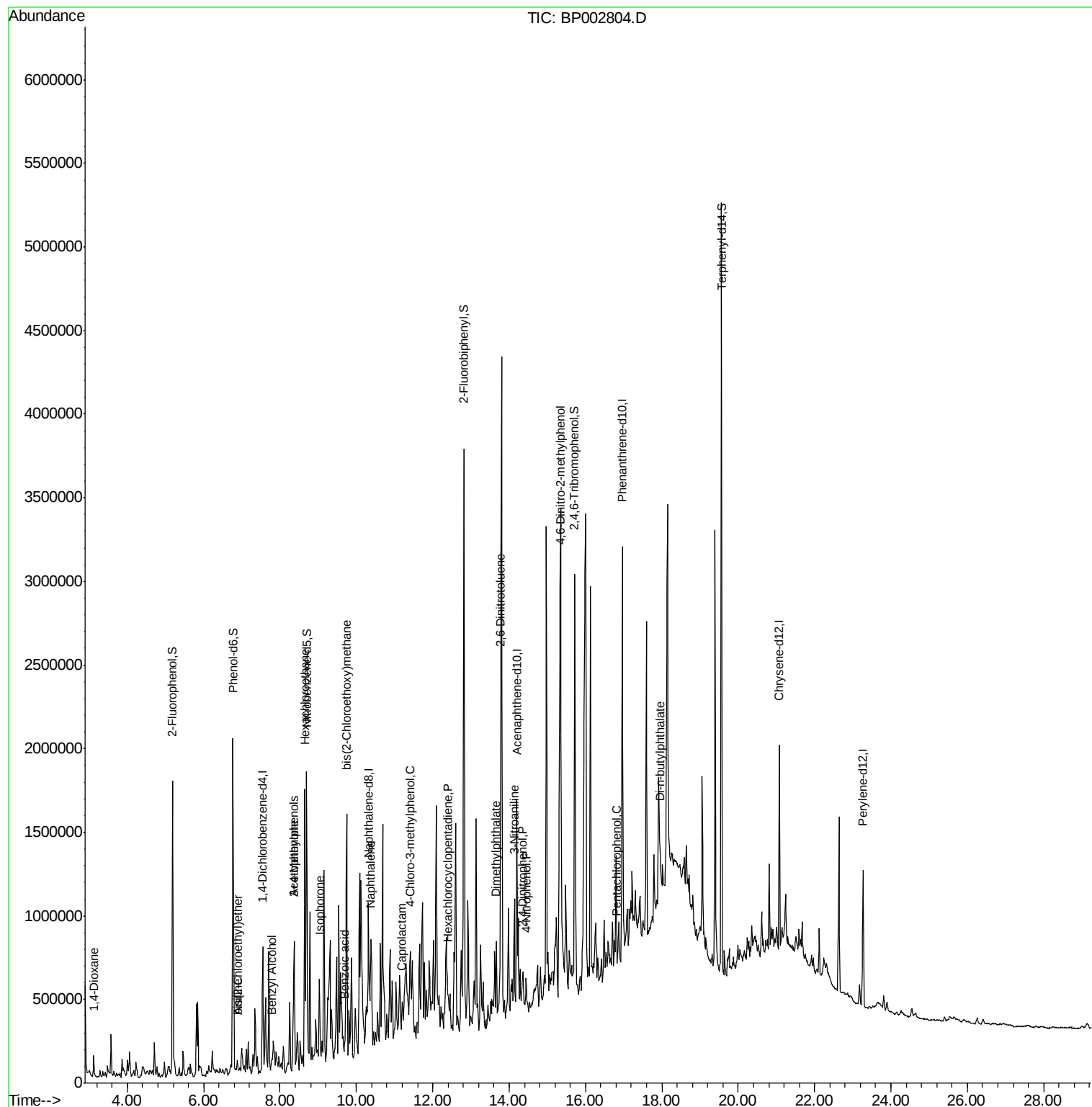
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	60938	13.426	ng	# 95
6) Aniline	6.88	93	60425	3.213	ng	# 99
11) bis(2-Chloroethyl)ether	6.88	93	60425	4.773	ng	# 26
15) Benzyl Alcohol	7.80	79	22917	2.305	ng	# 95
18) Hexachloroethane	8.65	117	11720	2.483	ng	# 46
20) 3+4-Methylphenols	8.36	107	162464	11.332	ng	# 88
22) Acetophenone	8.36	105	36505	2.052	ng	# 58
25) Isophorone	9.03	82	56890	2.068	ng	# 96
28) bis(2-Chloroethoxy)methane	9.74	93	54649	3.271	ng	# 1
31) Naphthalene	10.37	128	127587	3.348	ng	# 97
32) Benzoic acid	9.69	122	1795	7.255	ng	# 28
35) Caprolactam	11.18	113	22396	5.669	ng	# 77
36) 4-Chloro-3-methylphenol	11.42	107	26423	2.169	ng	# 89
41) Hexachlorocyclopentadiene	12.39	237	19	7.437	ng	# 76
50) Dimethylphthalate	13.67	163	308534	10.250	ng	# 100
51) 2,6-Dinitrotoluene	13.77	165	64397	9.993	ng	# 49
53) 3-Nitroaniline	14.13	138	15421	2.139	ng	# 1
54) 2,4-Dinitrophenol	14.36	184	667	11.533	ng	# 1
56) 4-Nitrophenol	14.45	139	1196	5.166	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.33	198	108	5.289	ng	# 1
70) Pentachlorophenol	16.82	266	69	7.457	ng	# 94
74) Di-n-butylphthalate	17.95	149	108939	2.733	ng	# 94

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

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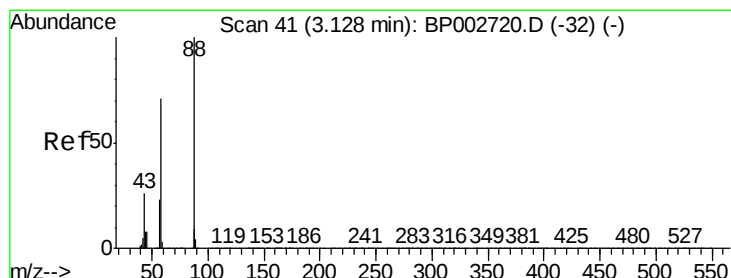
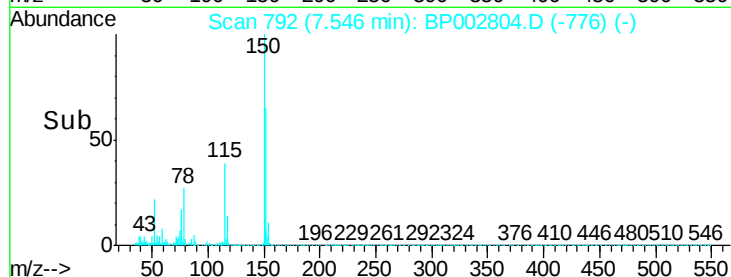
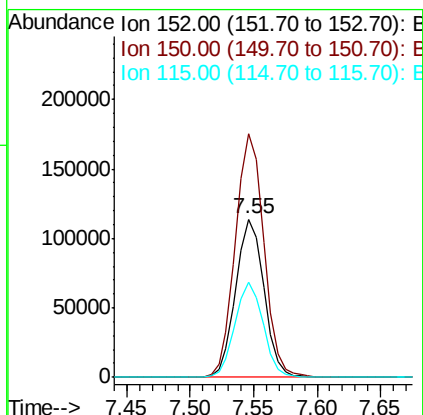
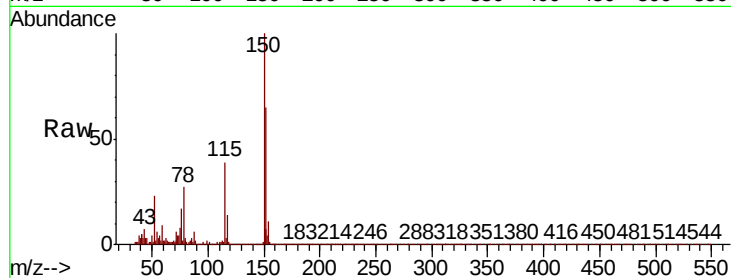


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Instrument :
BNA_P
ClientSampleId :
200715091-01

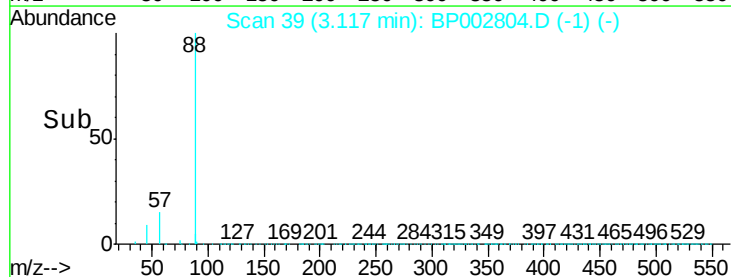
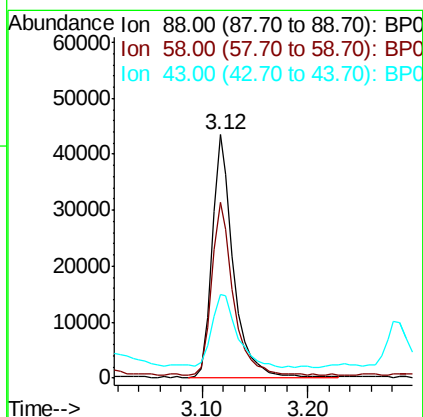
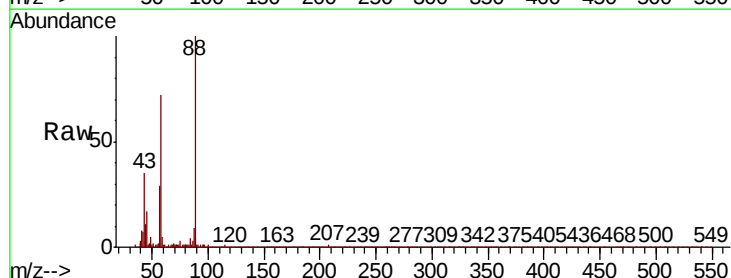
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.7	185.5
115	60.0	47.2	70.8

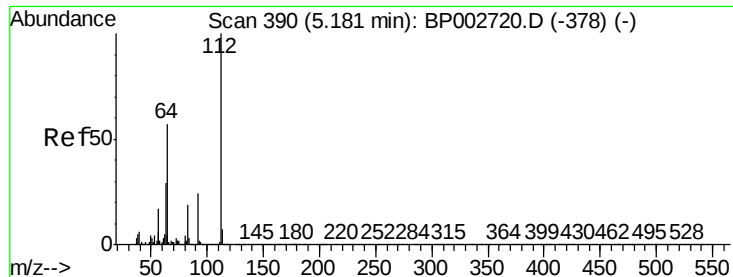


#2

1,4-Dioxane
Concen: 13.426 ng
RT: 3.12 min Scan# 39
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.2	58.2	87.4
43	36.1	21.5	32.3





#5

2-Fluorophenol

Concen: 89.363 ng

RT: 5.19 min Scan# 391

Delta R.T. 0.01 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

Instrument :

BNA_P

ClientSampleId :

200715091-01

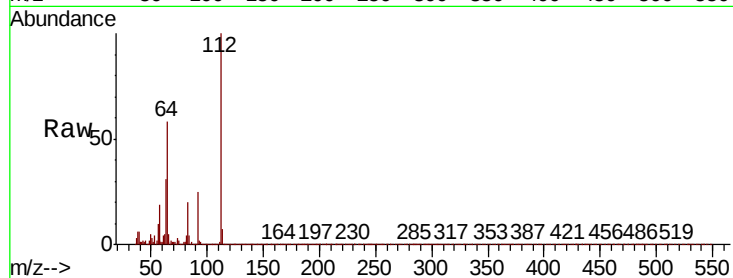
Tot Ion:112 Resp: 930300

Ion Ratio Lower Upper

112 100

64 58.4 45.6 68.4

63 30.5 23.5 35.3



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

5.19

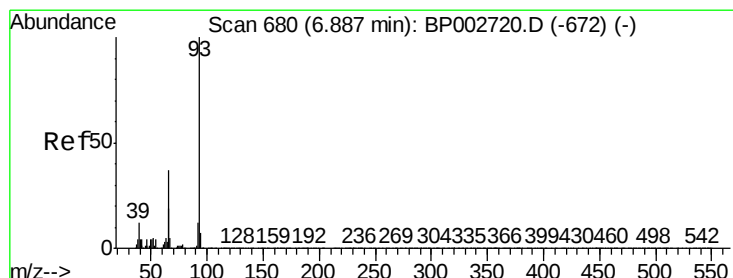
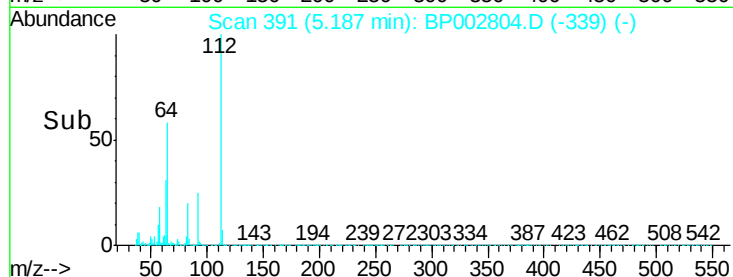
400000

200000

0

Time-->

5.10 5.20 5.30



#6

Aniline

Concen: 3.213 ng

RT: 6.88 min Scan# 679

Delta R.T. -0.01 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

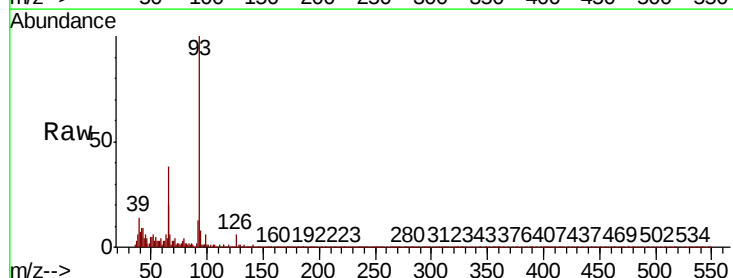
Tgt Ion: 93 Resp: 60425

Ion Ratio Lower Upper

93 100

66 38.2 30.1 45.1

65 19.9 15.4 23.2



Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

6.88

40000

30000

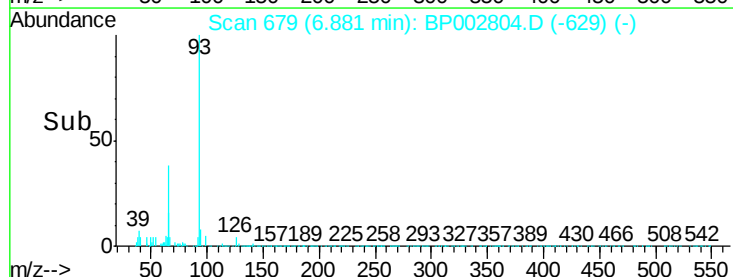
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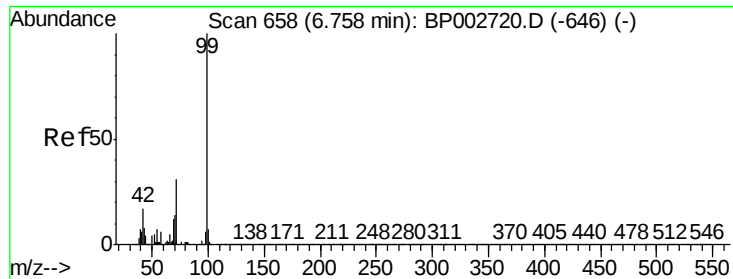
10000

0

Time-->

6.80 6.90 7.00





#7

Phenol-d6

Concen: 91.277 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

Instrument :

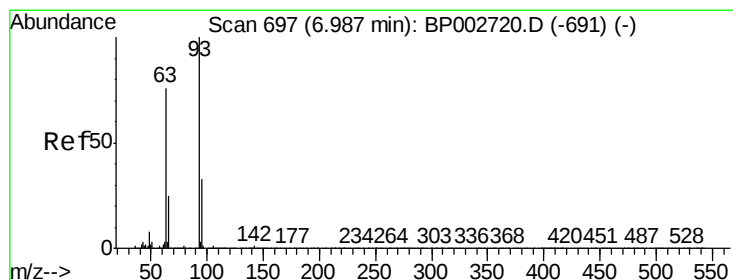
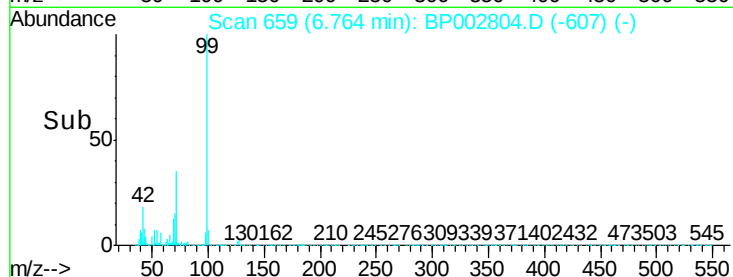
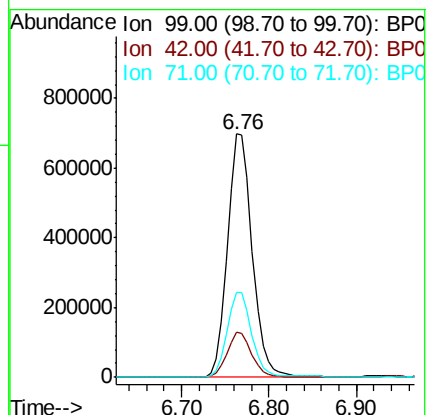
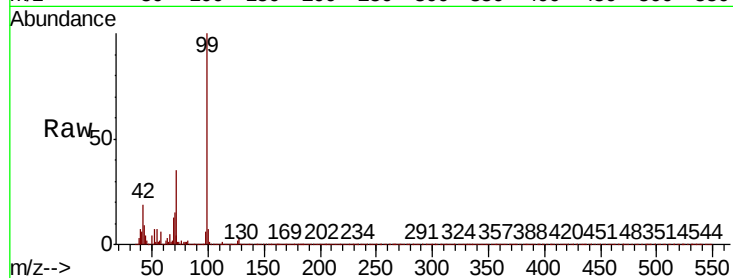
BNA_P

ClientSampleId :

200715091-01

Tot Ion: 99 Resp: 1356135

Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.4	20.2
71	34.8	24.6	36.8



#11

bis(2-Chloroethyl)ether

Concen: 4.773 ng

RT: 6.88 min Scan# 679

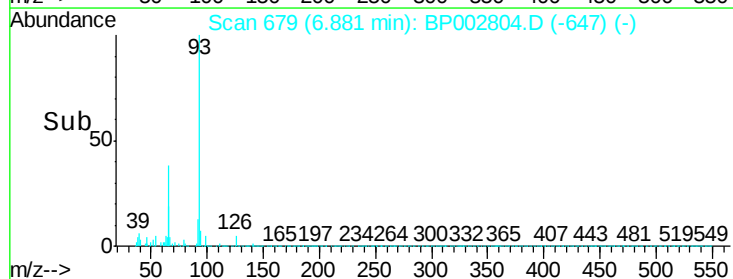
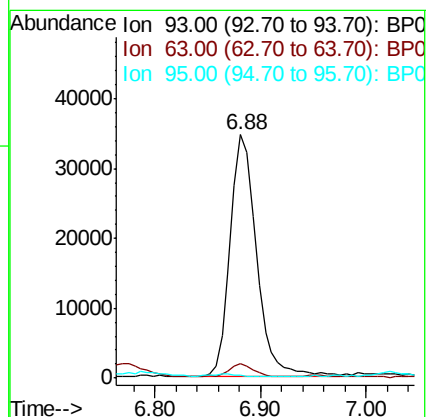
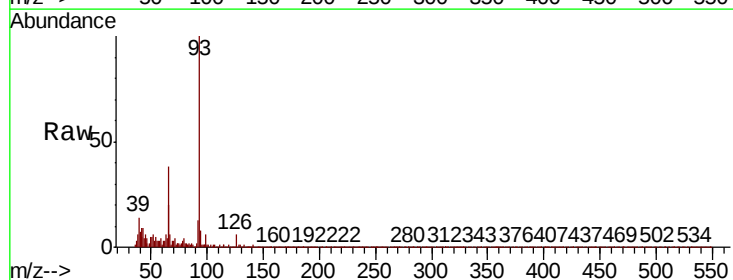
Delta R.T. -0.11 min

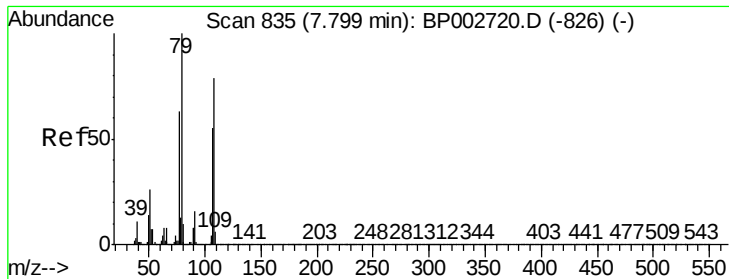
Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

Tgt Ion: 93 Resp: 60425

Ion	Ratio	Lower	Upper
93	100		
63	5.7	55.1	95.1#
95	1.1	12.7	52.7#





#15

Benzyl Alcohol

Concen: 2.305 ng

RT: 7.80 min Scan# 835

Delta R.T. 0.00 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

Instrument :

BNA_P

ClientSampleId :

200715091-01

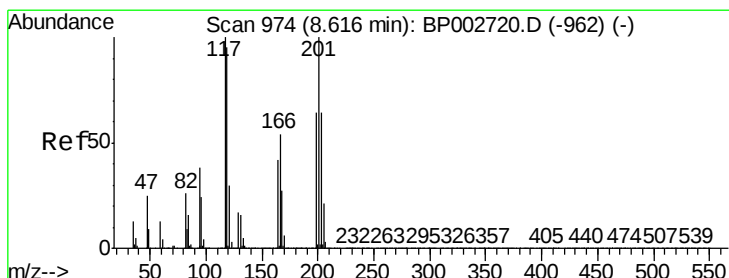
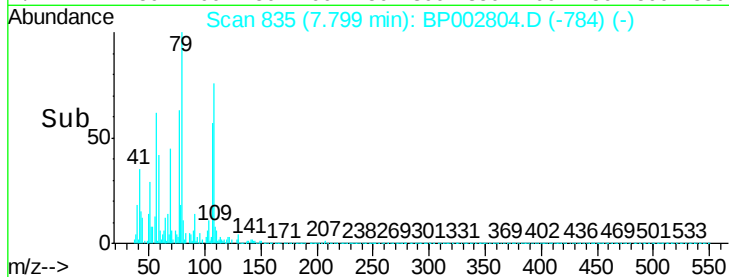
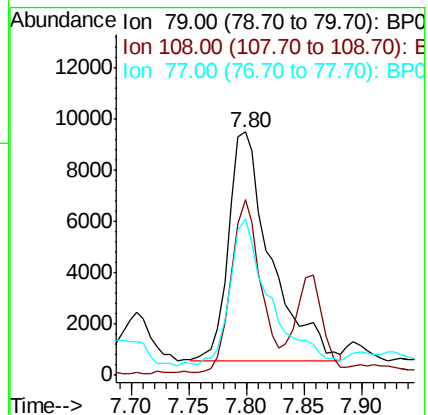
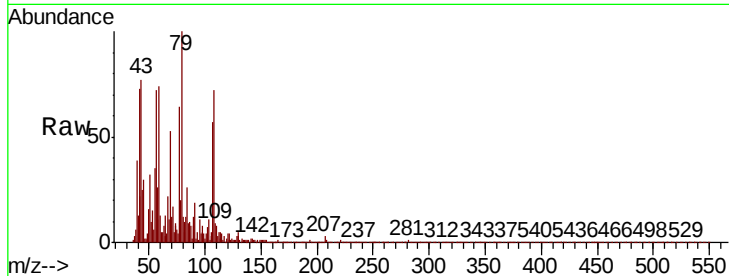
Tot Ion: 79 Resp: 22917

Ion Ratio Lower Upper

79 100

108 72.4 63.1 94.7

77 64.4 50.8 76.2



#18

Hexachloroethane

Concen: 2.483 ng

RT: 8.65 min Scan# 980

Delta R.T. 0.03 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

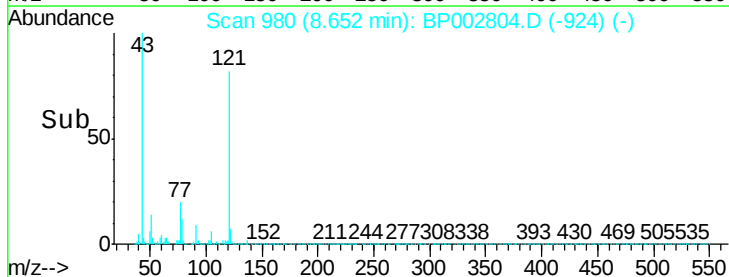
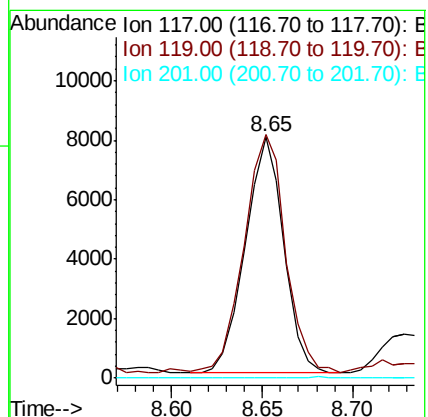
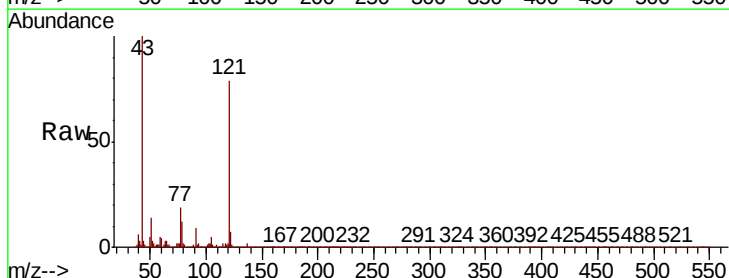
Tgt Ion: 117 Resp: 11720

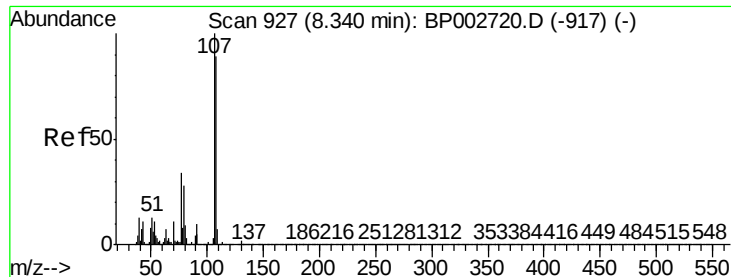
Ion Ratio Lower Upper

117 100

119 100.8 76.6 115.0

201 0.1 80.3 120.5#

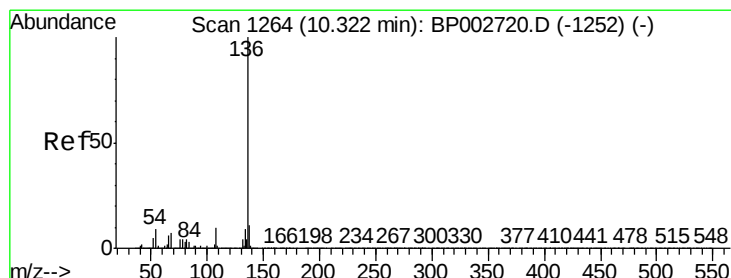
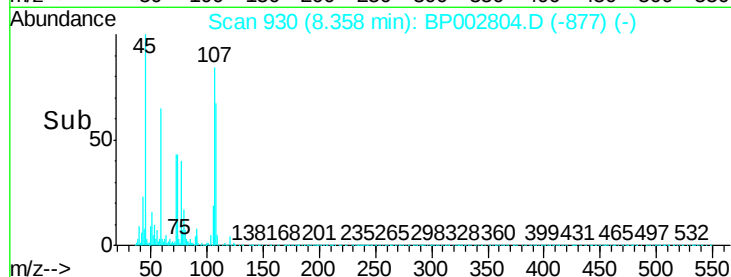
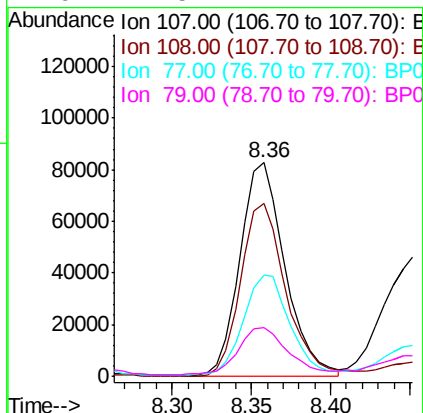
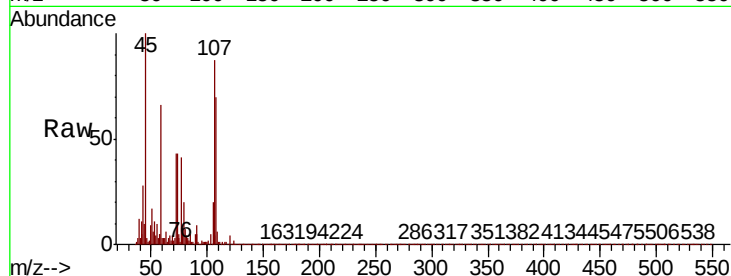




#20
3+4-Methylphenols
Concen: 11.332 ng
RT: 8.36 min Scan# 930
Delta R.T. 0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

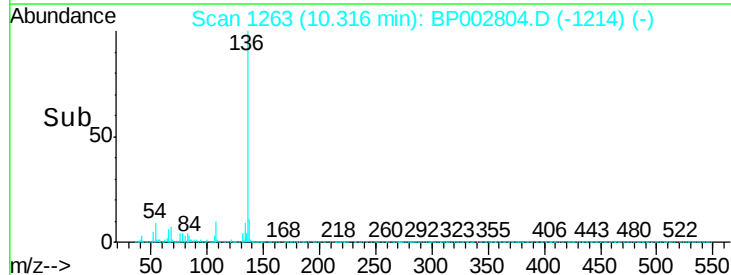
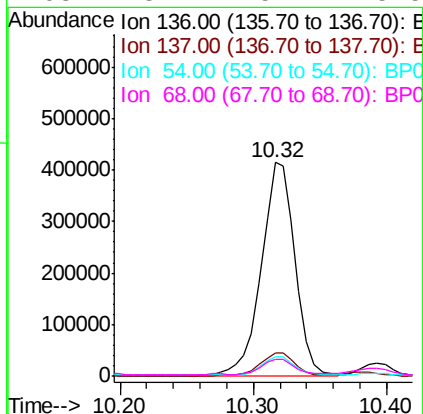
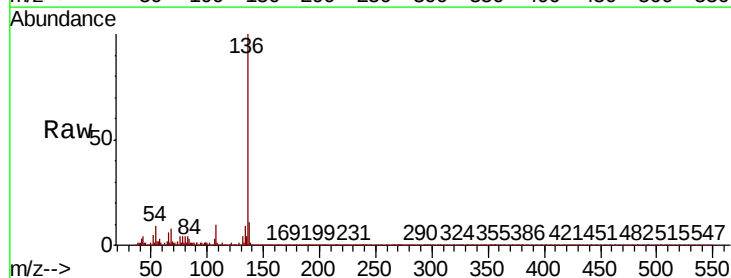
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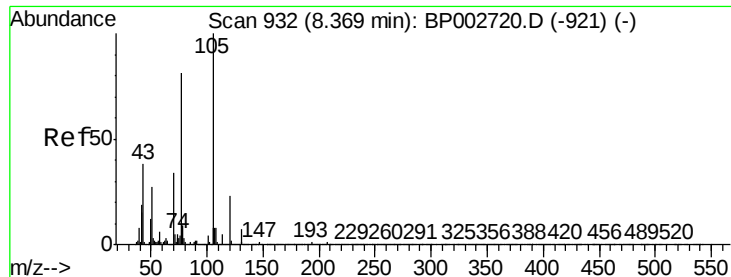
Tot Ion:	107	Resp:	162464
Ion	Ratio	Lower	Upper
107	100		
108	81.0	69.5	109.5
77	47.5	14.3	54.3
79	22.5	7.7	47.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Tgt Ion:	136	Resp:	721785
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.1	6.9	10.3
68	8.1	5.7	8.5

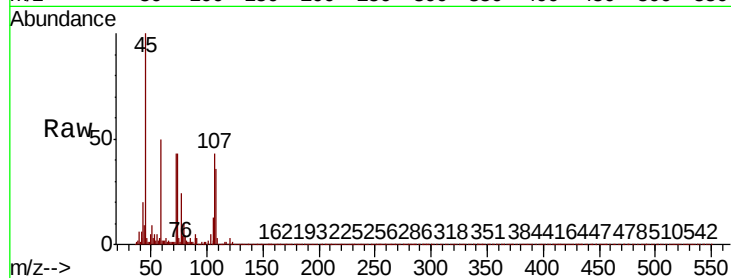




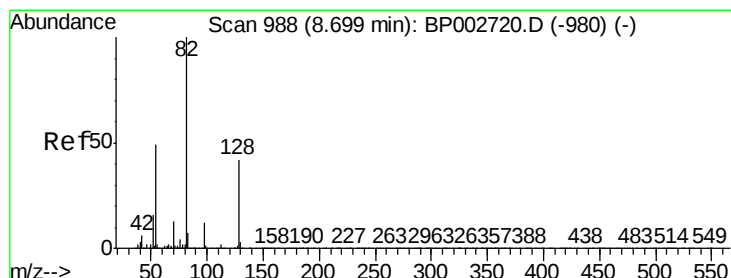
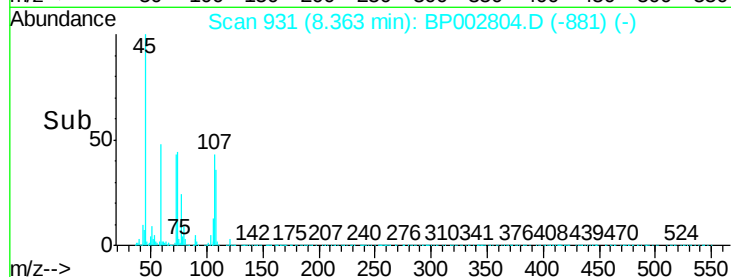
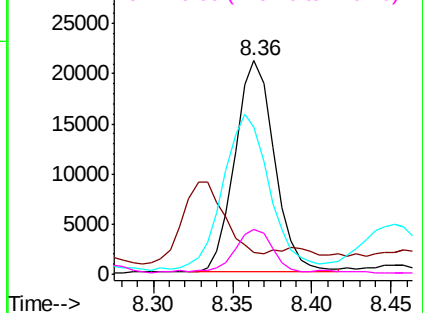
#22
Acetophenone
Concen: 2.052 ng
RT: 8.36 min Scan# 931
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Instrument :
BNA_P
ClientSampleId :
200715091-01

Tot Ion:	105	Resp:	36505
Ion Ratio	Lower	Upper	
105	100		
71	10.3	4.4	6.6#
51	68.9	21.8	32.8#
120	21.1	18.2	27.2

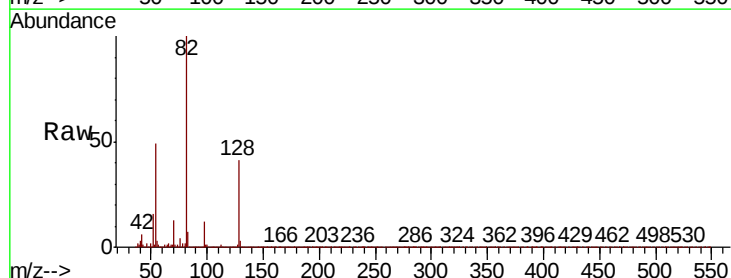


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BP0
Ion 51.00 (50.70 to 51.70): BP0
Ion 120.00 (119.70 to 120.70): E

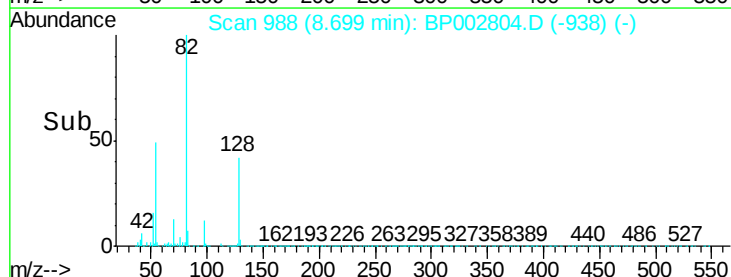
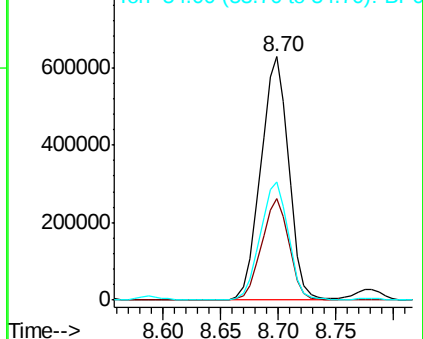


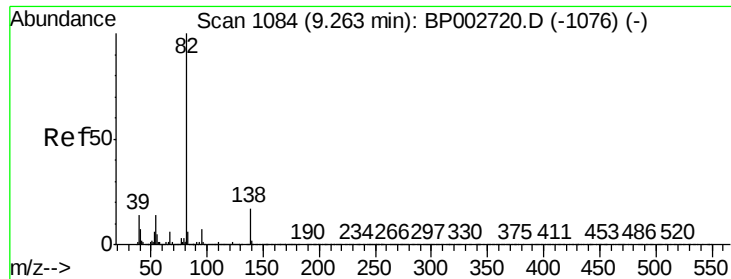
#23
Nitrobenzene-d5
Concen: 78.802 ng
RT: 8.70 min Scan# 988
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Tgt Ion:	82	Resp:	1063469
Ion Ratio	Lower	Upper	
82	100		
128	41.5	33.8	50.8
54	48.7	38.8	58.2



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: 2.068 ng

RT: 9.03 min Scan# 1044

Delta R.T. -0.24 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

Instrument :

BNA_P

ClientSampleId :

200715091-01

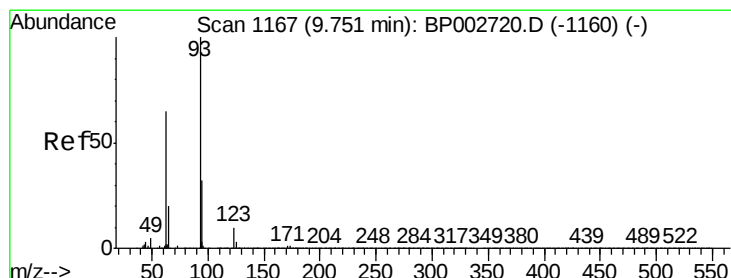
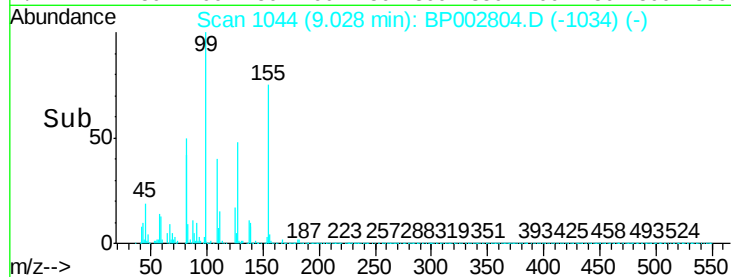
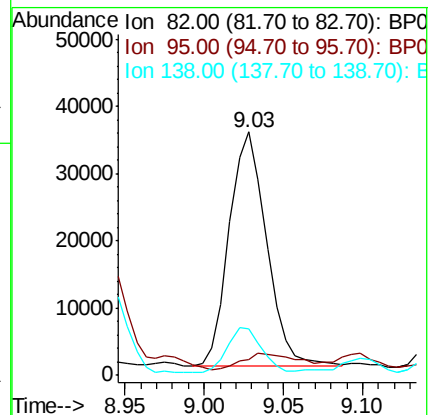
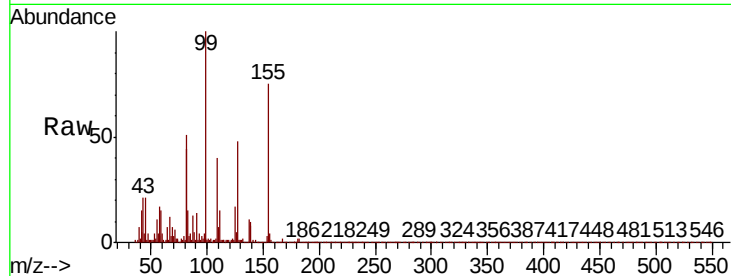
Tot Ion: 82 Resp: 56890

Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

138 19.0 13.2 19.8



#28

bis(2-Chloroethoxy)methane

Concen: 3.271 ng

RT: 9.74 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

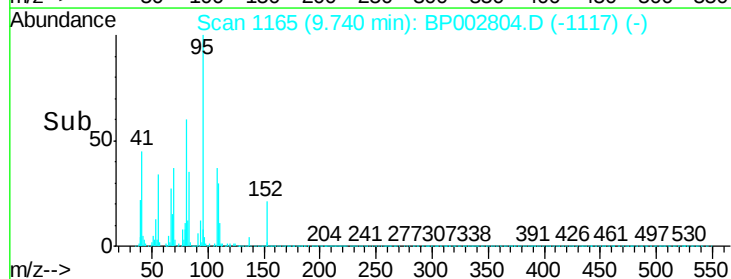
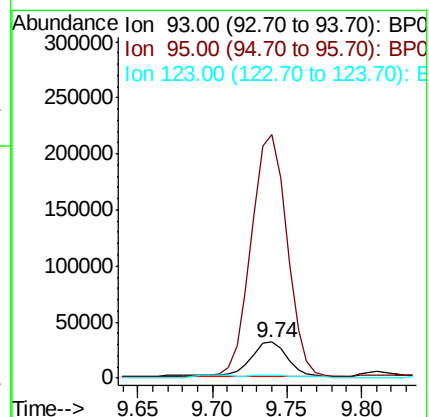
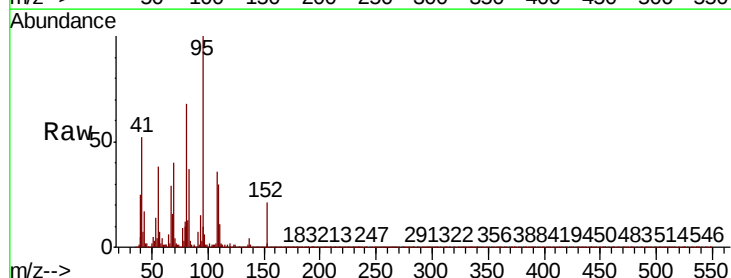
Tgt Ion: 93 Resp: 54649

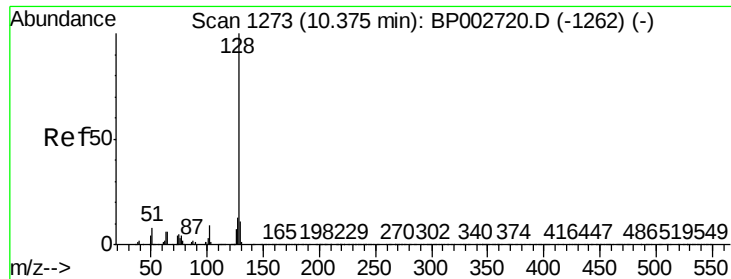
Ion Ratio Lower Upper

93 100

95 681.0 25.8 38.6#

123 8.2 8.9 13.3#

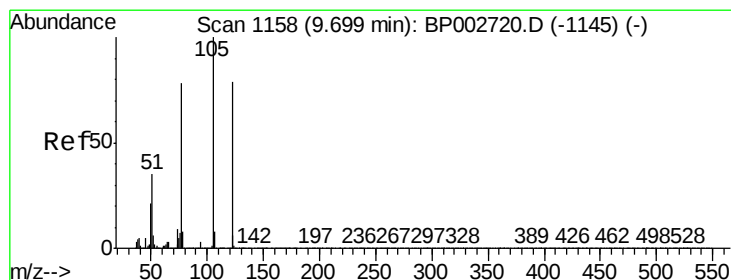
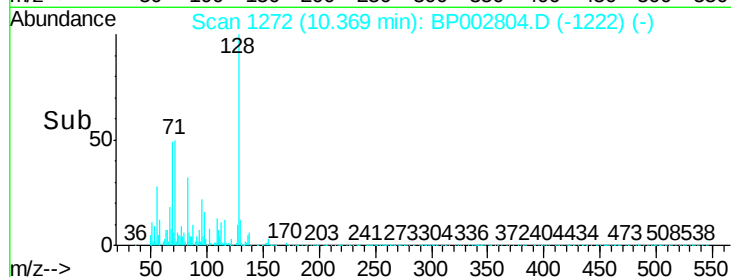
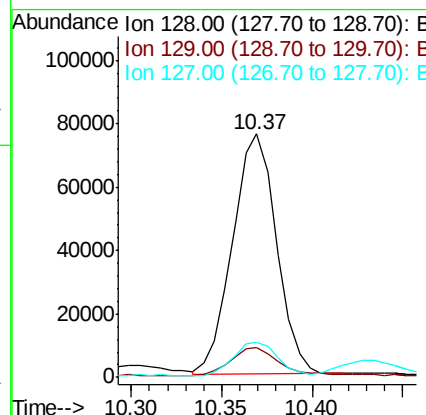
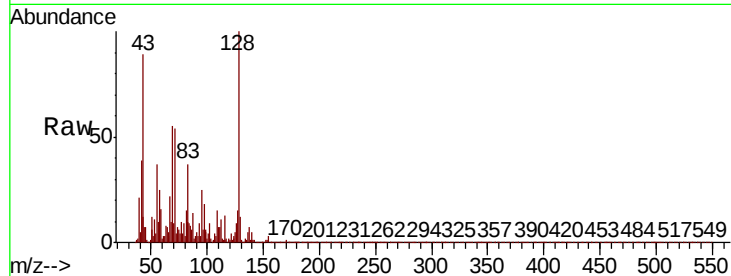




#31
Naphthalene
Concen: 3.348 ng
RT: 10.37 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

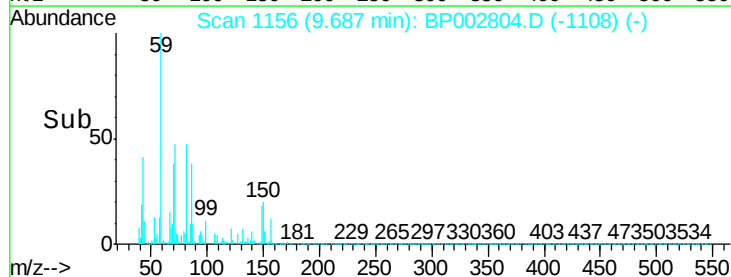
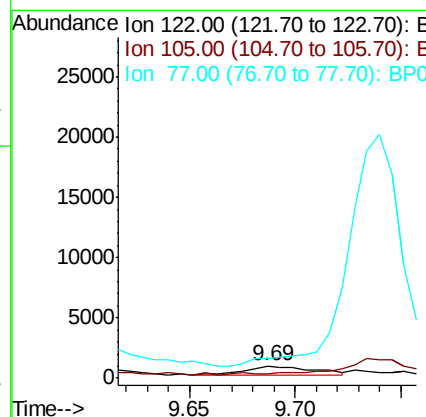
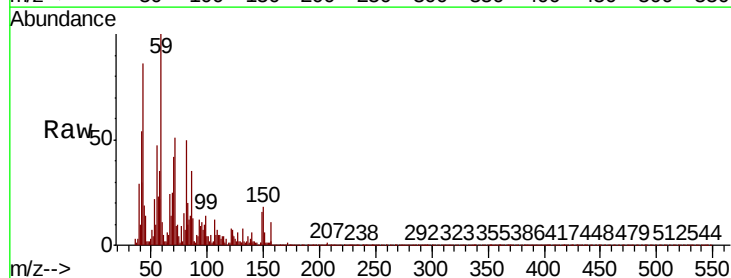
Instrument :
BNA_P
ClientSampleId :
200715091-01

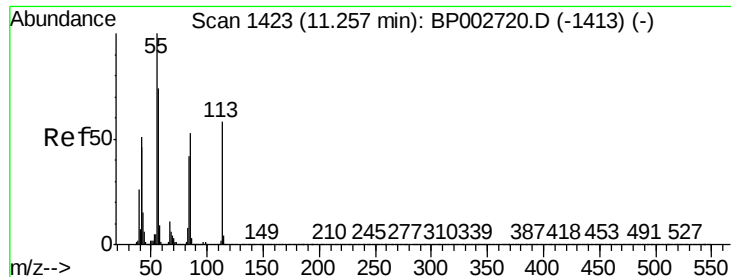
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.6	13.0
127	14.5	10.6	15.8



#32
Benzoic acid
Concen: 7.255 ng
RT: 9.69 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Tgt Ion	Ratio	Lower	Upper
122	100		
105	40.6	105.4	145.4#
77	167.9	78.5	118.5#

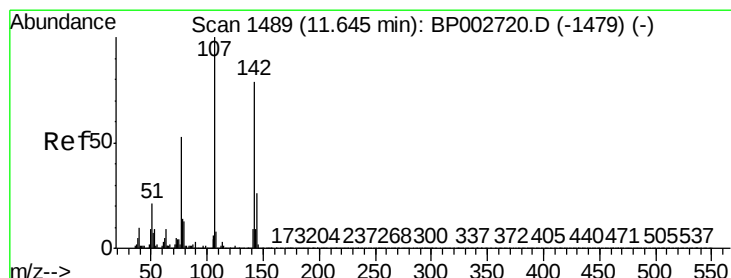
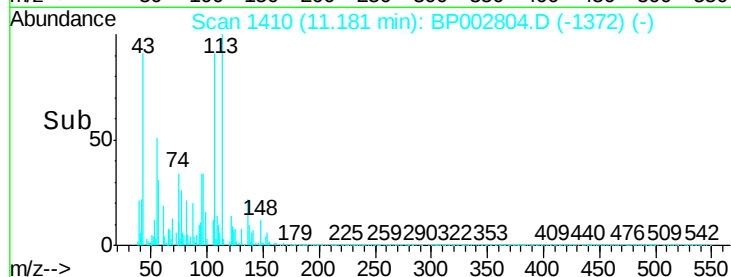
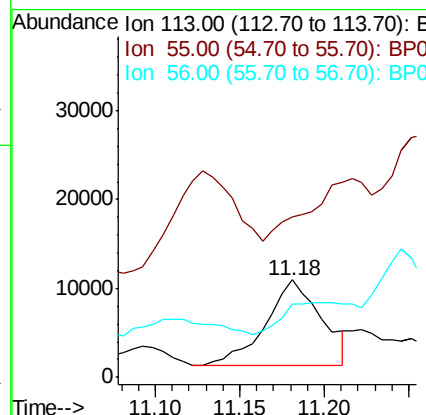
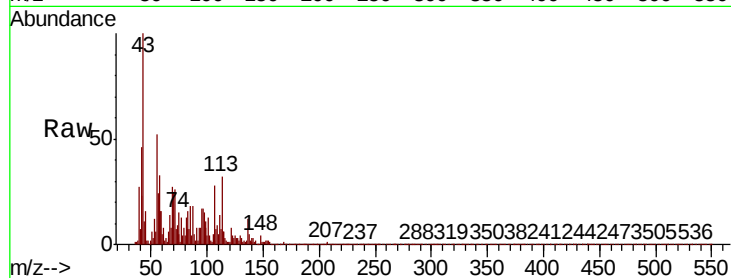




#35
 Caprolactam
 Concen: 5.669 ng
 RT: 11.18 min Scan# 1410
 Delta R.T. -0.08 min
 Lab File: BP002804.D
 Acq: 20 Jul 2020 17:11

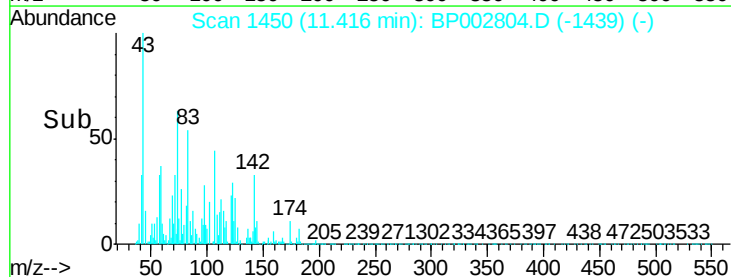
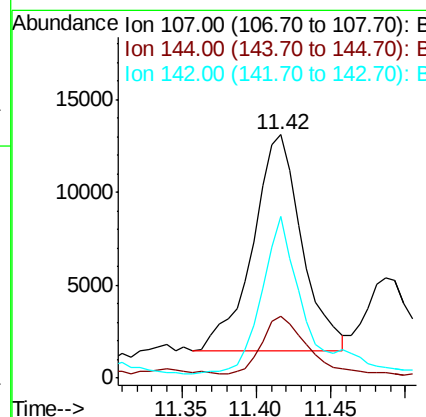
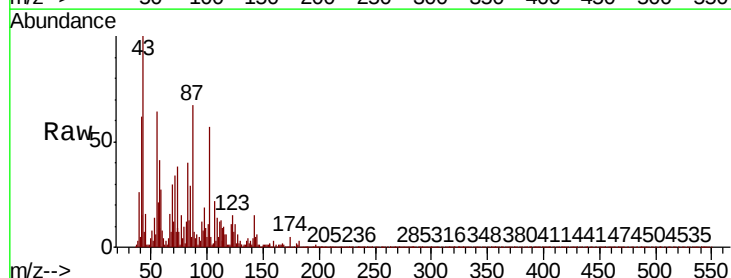
Instrument :
 BNA_P
 ClientSampleId :
 200715091-01

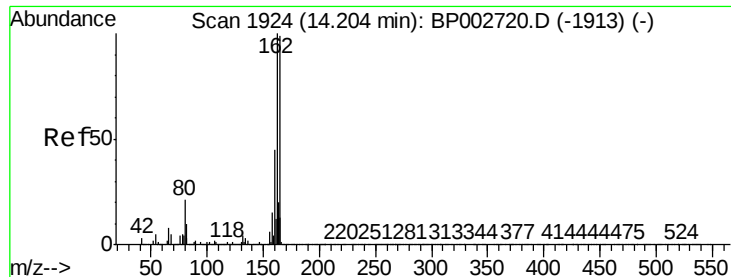
Tot Ion:113 Resp: 22396
 Ion Ratio Lower Upper
 113 100
 55 164.4 152.8 192.8
 56 75.2 107.5 147.5#



#36
 4-Chloro-3-methylphenol
 Concen: 2.169 ng
 RT: 11.42 min Scan# 1450
 Delta R.T. -0.23 min
 Lab File: BP002804.D
 Acq: 20 Jul 2020 17:11

Tgt Ion:107 Resp: 26423
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.6 30.8
 142 66.7 63.4 95.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

Instrument :

BNA_P

ClientSampleId :

200715091-01

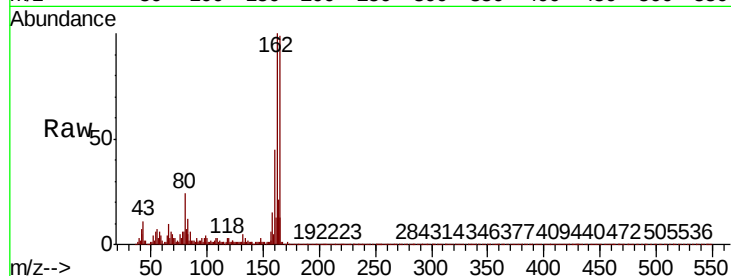
Tot Ion:164 Resp: 394677

Ion Ratio Lower Upper

164 100

162 101.5 80.6 121.0

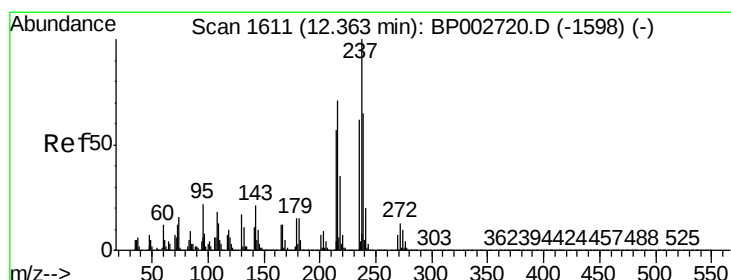
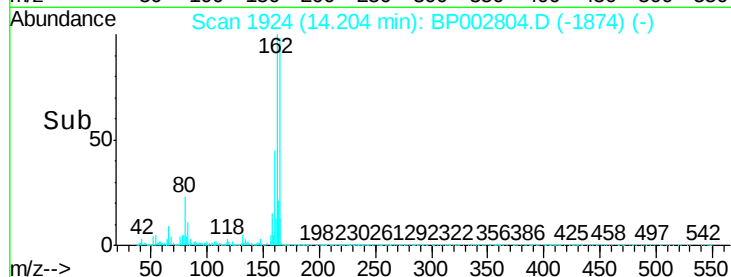
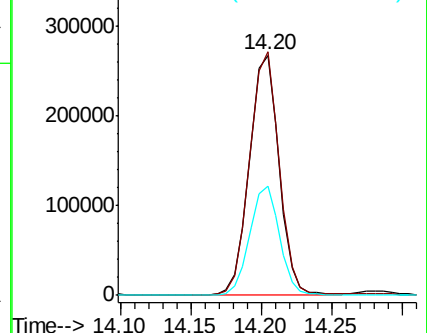
160 45.4 36.4 54.6



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: 7.437 ng

RT: 12.39 min Scan# 1616

Delta R.T. 0.03 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

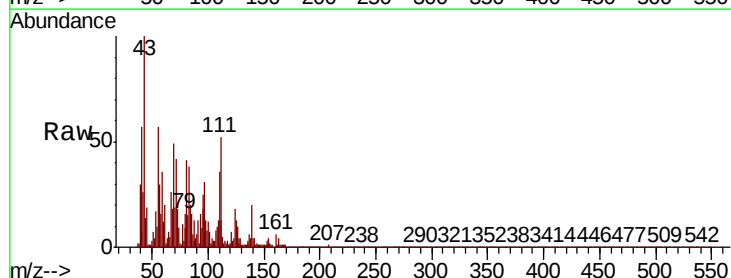
Tgt Ion:237 Resp: 19

Ion Ratio Lower Upper

237 100

235 45.5 42.3 82.3

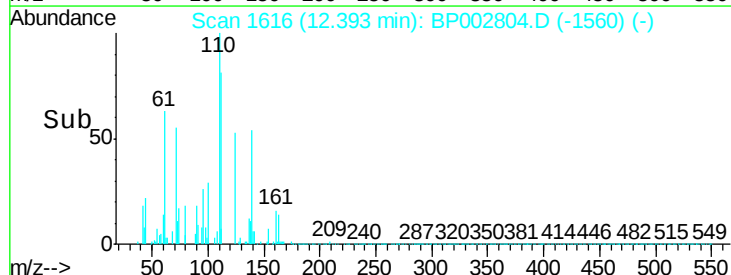
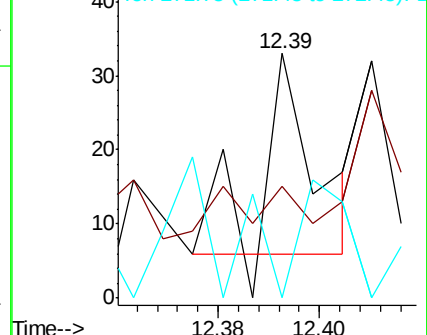
272 0.0 0.0 32.5

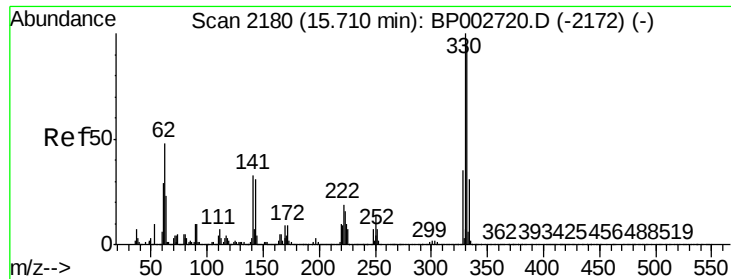


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

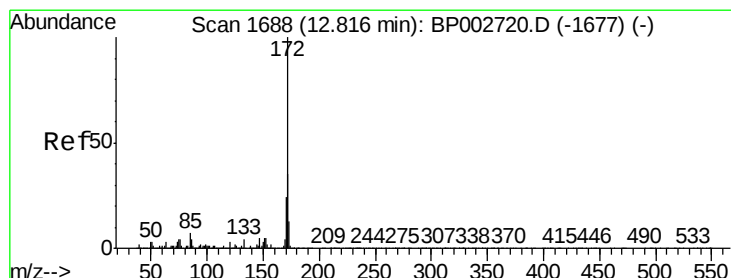
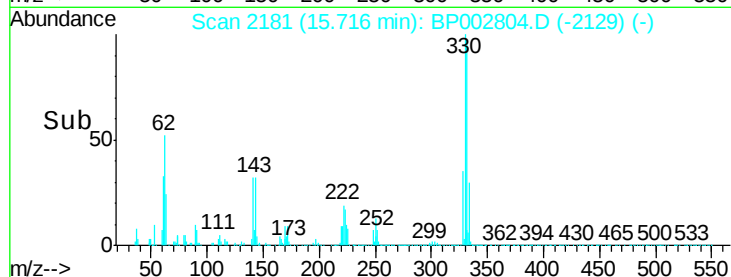
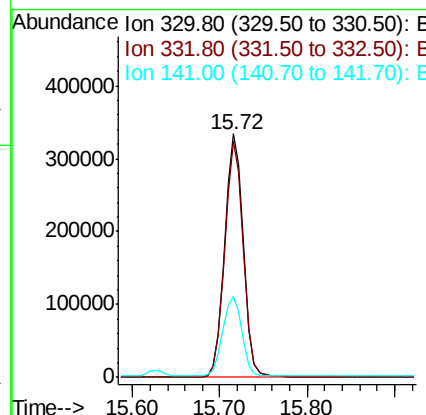
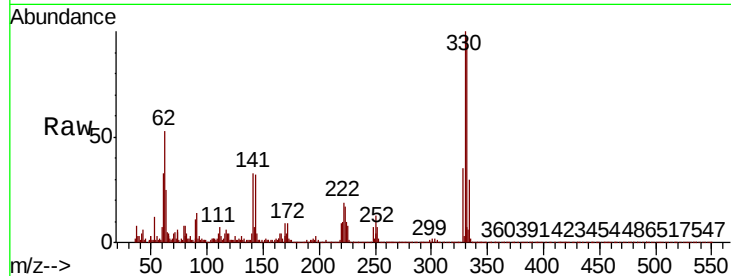




#42
 2,4,6-Tribromophenol
 Concen: 120.352 ng
 RT: 15.72 min Scan# 2181
 Delta R.T. 0.01 min
 Lab File: BP002804.D
 Acq: 20 Jul 2020 17:11

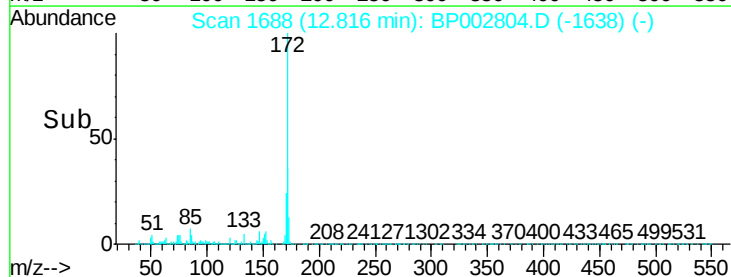
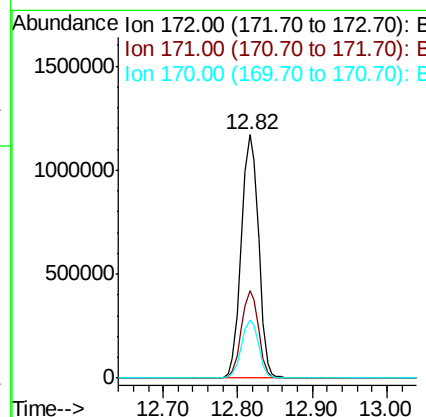
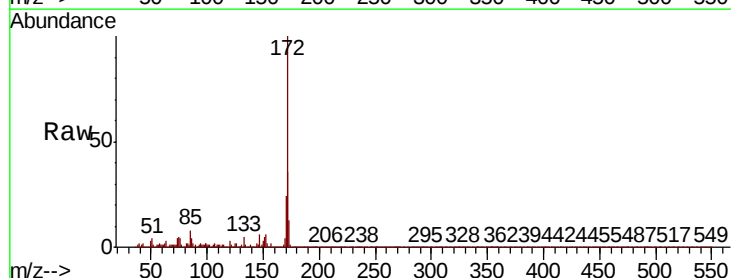
Instrument :
 BNA_P
 ClientSampleId :
 200715091-01

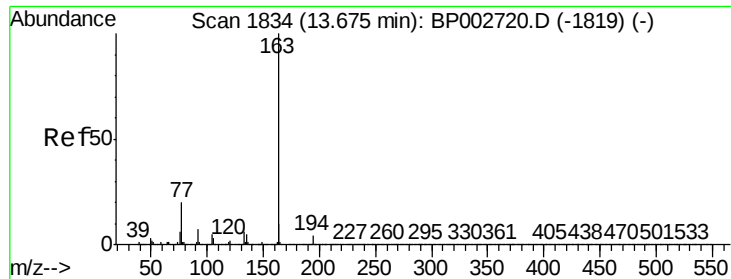
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.5	114.7
141	33.7	28.8	43.2



#45
 2-Fluorobiphenyl
 Concen: 74.154 ng
 RT: 12.82 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: BP002804.D
 Acq: 20 Jul 2020 17:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.1	42.1
170	24.0	19.3	28.9

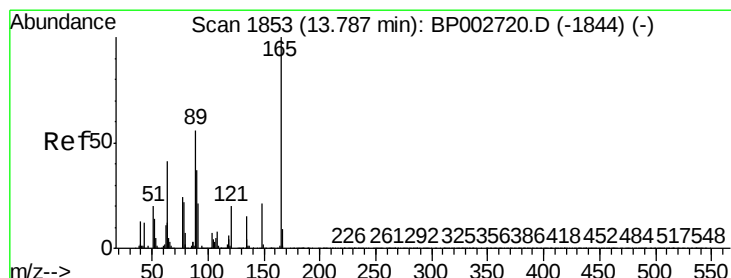
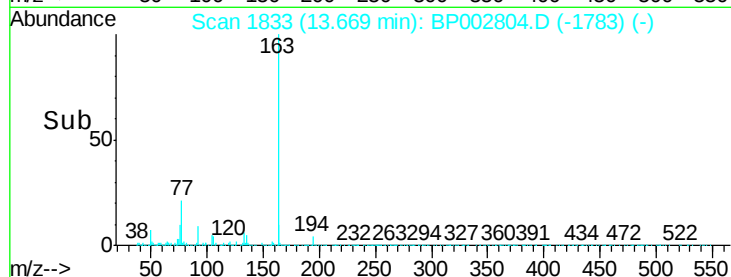
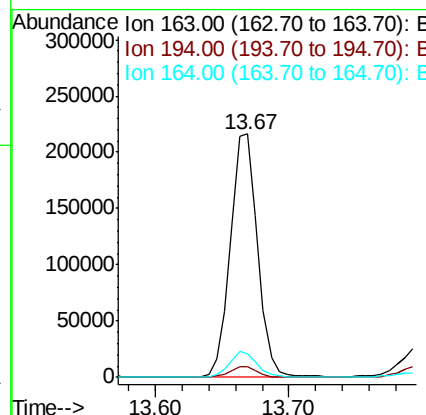
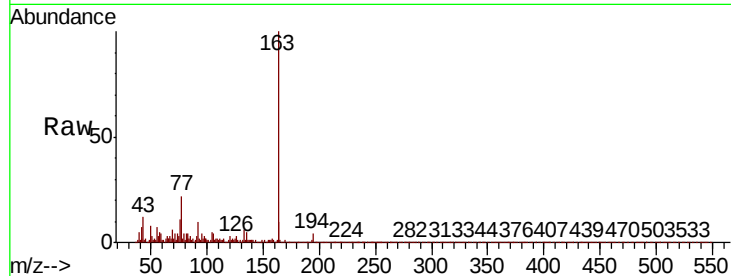




#50
Dimethylphthalate
Concen: 10.250 ng
RT: 13.67 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

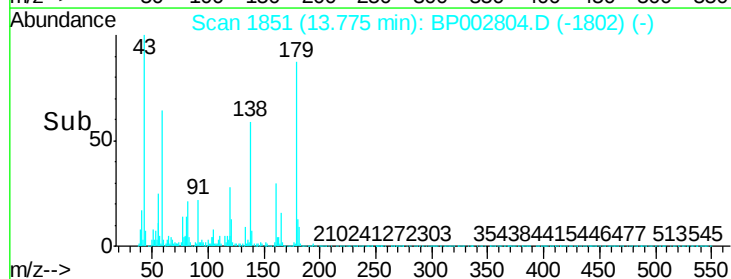
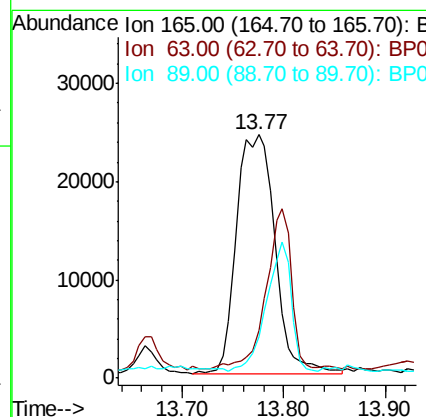
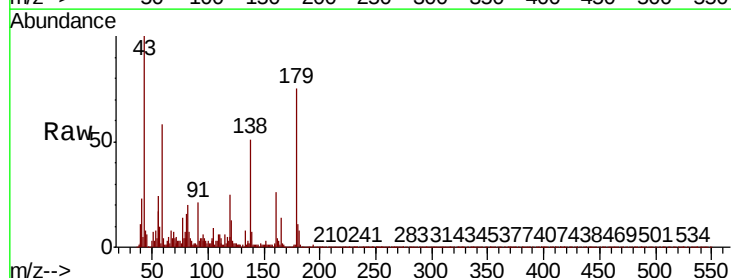
Instrument :
BNA_P
ClientSampleId :
200715091-01

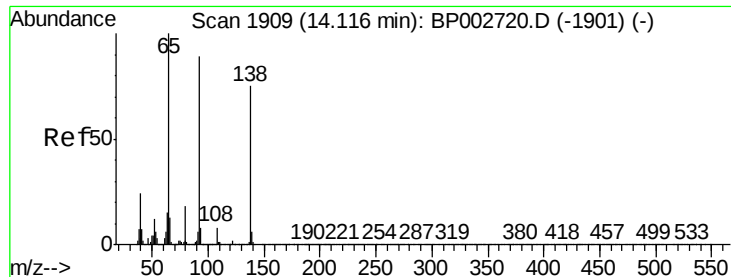
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	9.8	7.8	11.8



#51
2,6-Dinitrotoluene
Concen: 9.993 ng
RT: 13.77 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	19.7	43.2	64.8#
89	17.1	44.6	67.0#

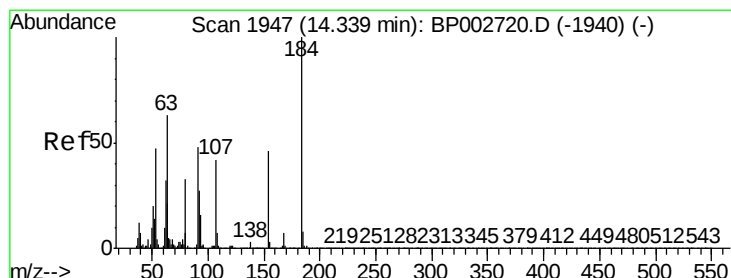
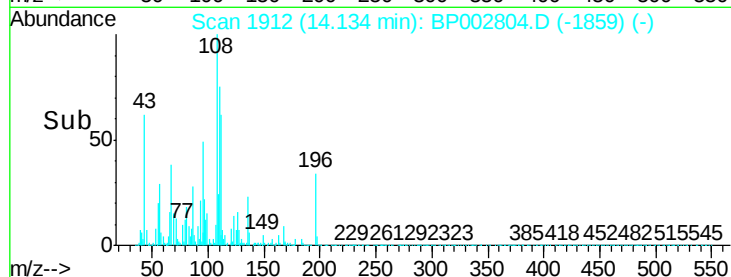
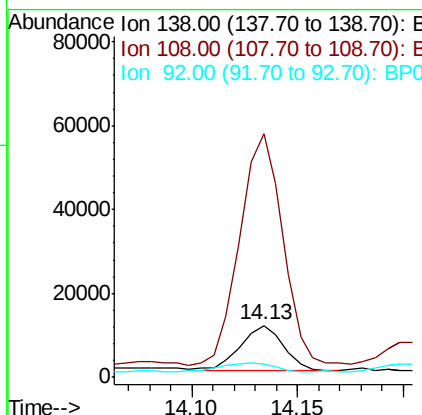
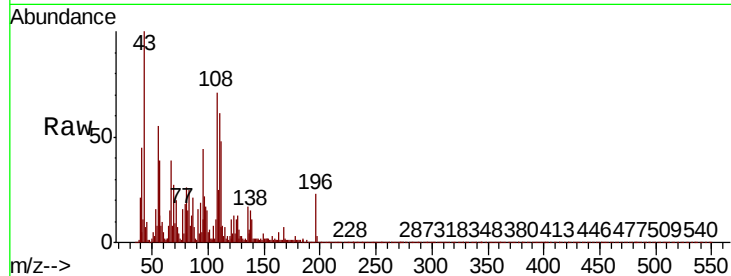




#53
3-Nitroaniline
Concen: 2.139 ng
RT: 14.13 min Scan# 1912
Delta R.T. 0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

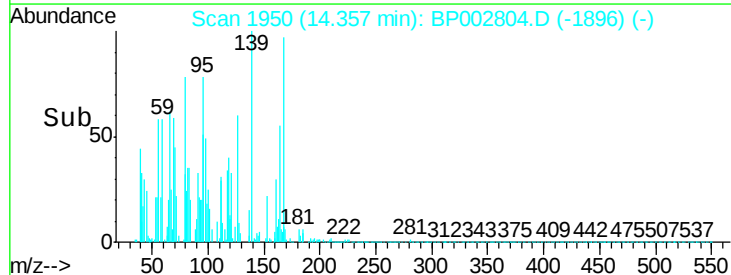
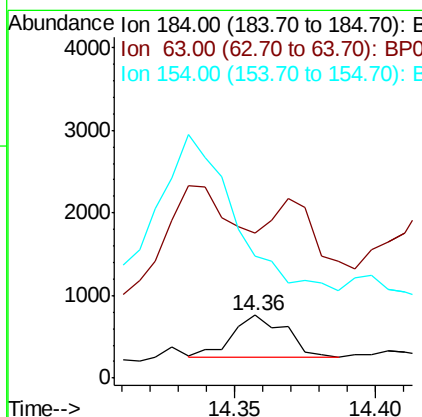
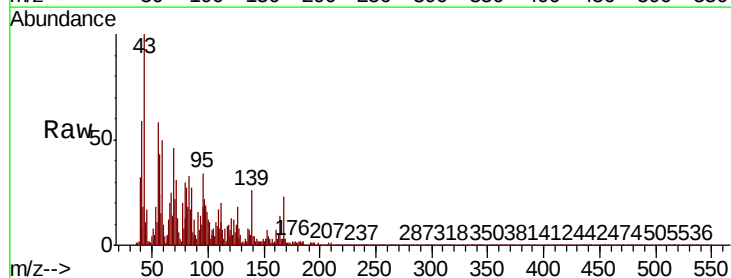
Instrument :
BNA_P
ClientSampleId :
200715091-01

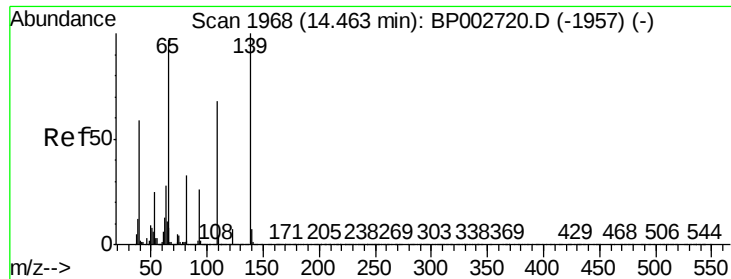
Tot Ion:138 Resp: 15421
Ion Ratio Lower Upper
138 100
108 469.2 8.2 12.2#
92 25.1 94.3 141.5#



#54
2,4-Dinitrophenol
Concen: 11.533 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.02 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Tgt Ion:184 Resp: 667
Ion Ratio Lower Upper
184 100
63 231.3 51.6 77.4#
154 194.0 45.0 67.6#

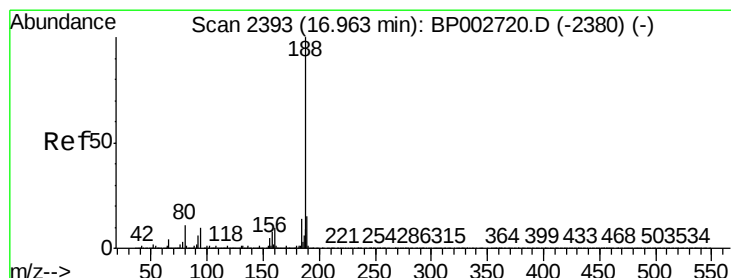
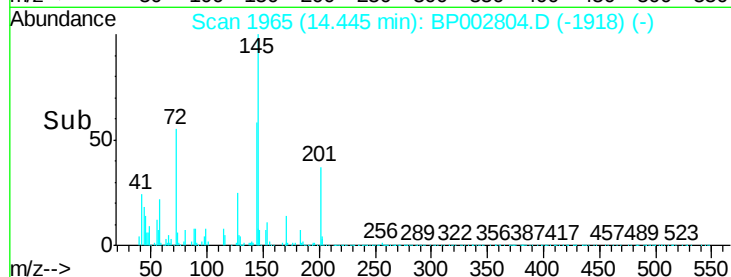
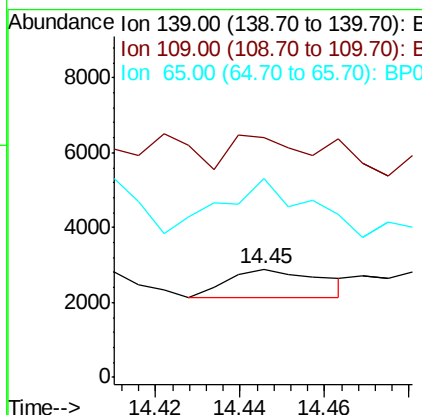
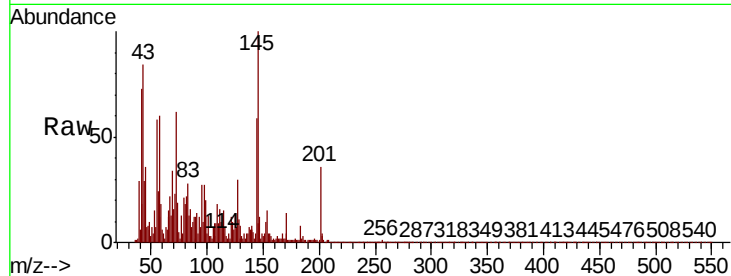




#56
4-Nitrophenol
Concen: 5.166 ng
RT: 14.45 min Scan# 1965
Delta R.T. -0.02 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

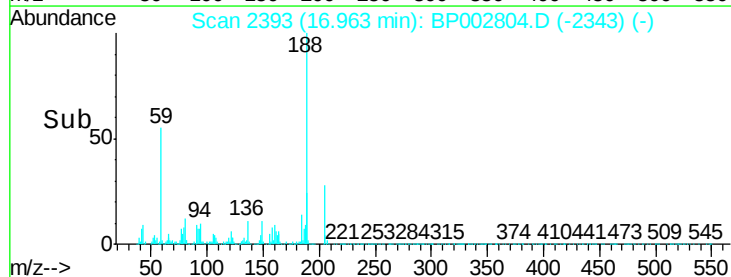
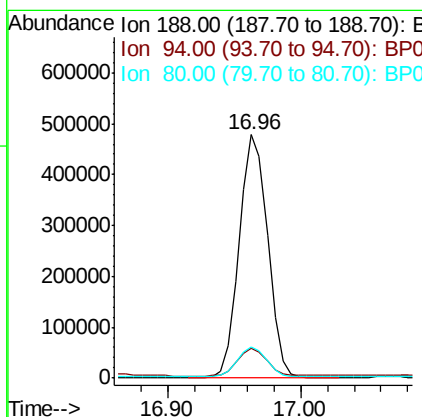
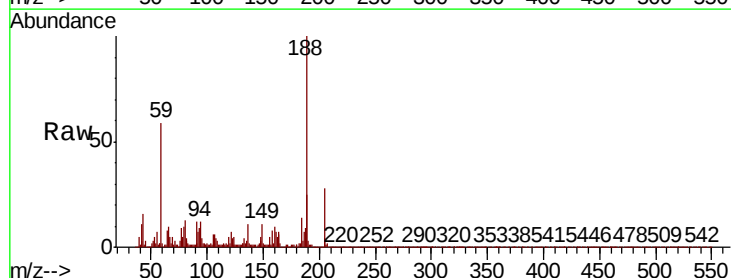
Instrument :
BNA_P
ClientSampleId :
200715091-01

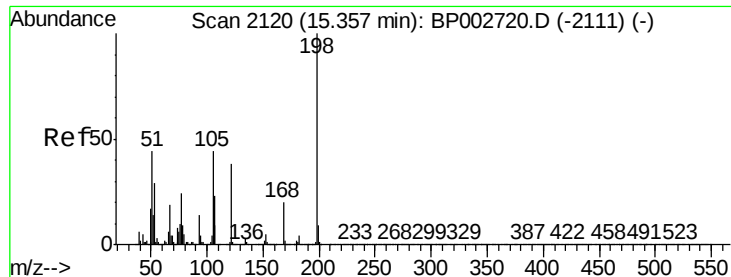
Tot Ion:139 Resp: 1196
Ion Ratio Lower Upper
139 100
109 221.3 48.1 88.1#
65 183.7 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Tgt Ion:188 Resp: 704887
Ion Ratio Lower Upper
188 100
94 12.5 8.1 12.1#
80 12.8 8.9 13.3

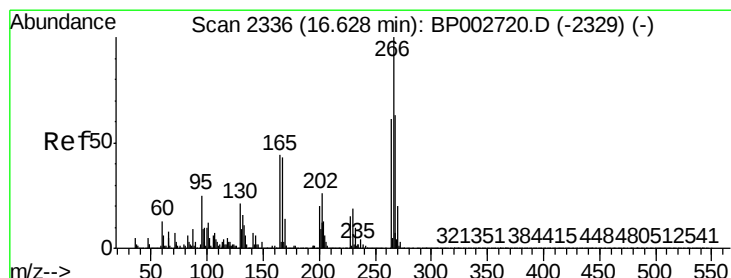
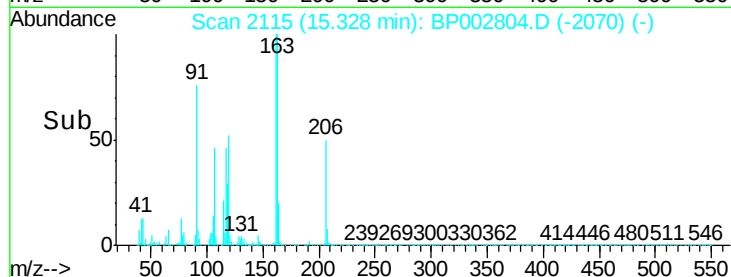
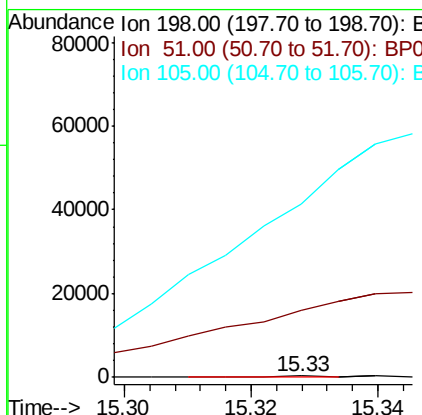
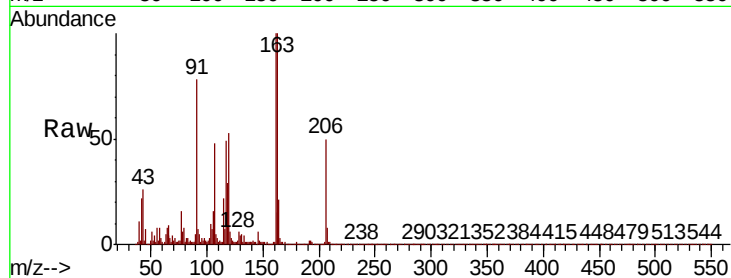




#65
4,6-Dinitro-2-methylphenol
Concen: 5.289 ng
RT: 15.33 min Scan# 2115
Delta R.T. -0.04 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

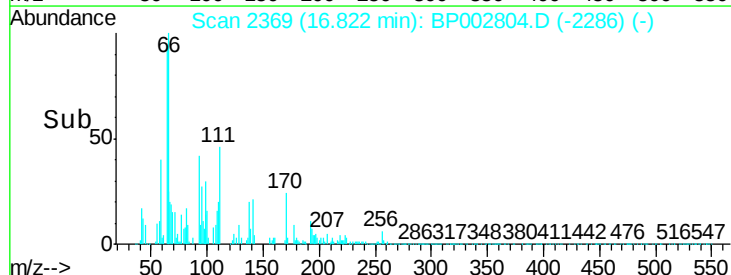
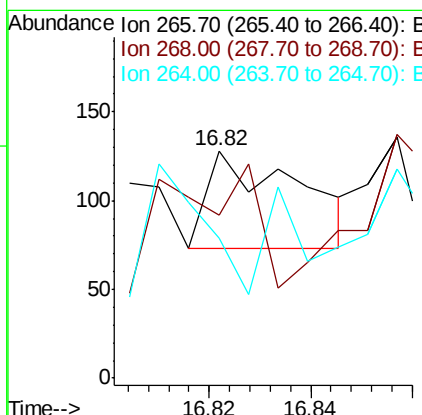
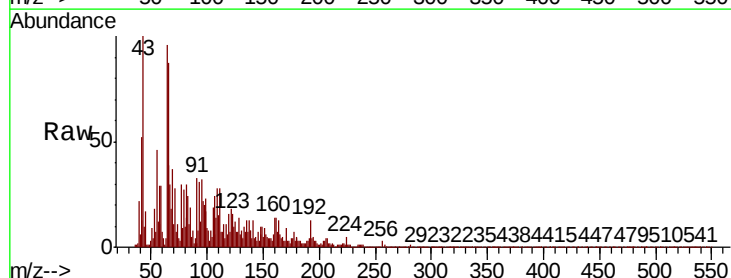
Instrument :
BNA_P
ClientSampleId :
200715091-01

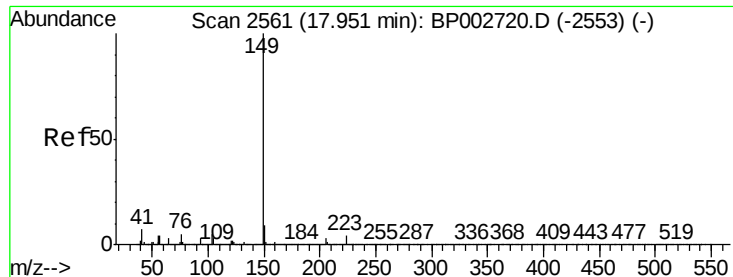
Tot Ion:198 Resp: 108
Ion Ratio Lower Upper
198 100
51 5872.7 27.1 67.1#
105 15244.3 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.457 ng
RT: 16.82 min Scan# 2369
Delta R.T. 0.19 min
Lab File: BP002804.D
Acq: 20 Jul 2020 17:11

Tgt Ion:266 Resp: 69
Ion Ratio Lower Upper
266 100
268 71.9 50.6 75.8
264 61.7 48.6 72.8





#74

Di-n-butylphthalate

Concen: 2.733 ng

RT: 17.95 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

Instrument :

BNA_P

ClientSampleId :

200715091-01

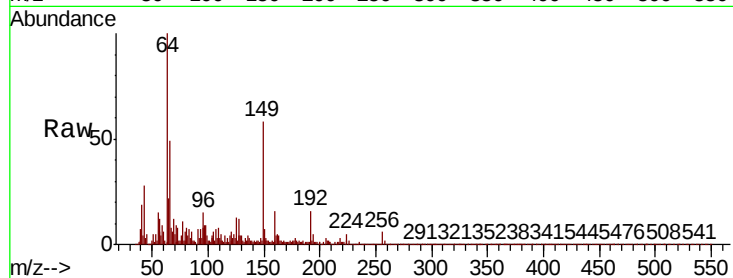
Tot Ion:149 Resp: 108939

Ion Ratio Lower Upper

149 100

150 11.9 7.5 11.3#

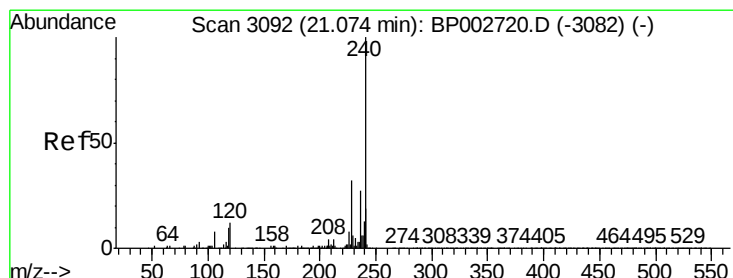
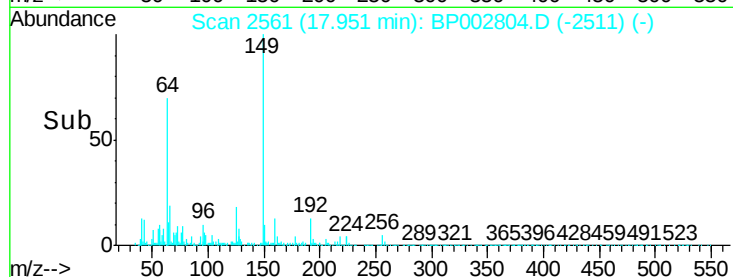
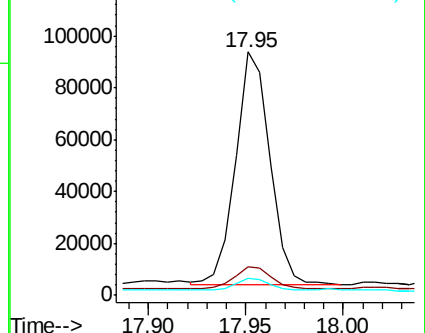
104 6.9 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.07 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

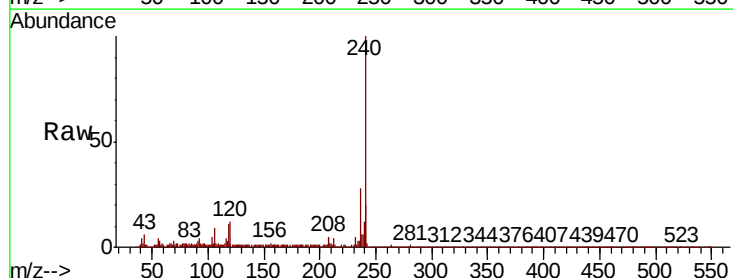
Tgt Ion:240 Resp: 569521

Ion Ratio Lower Upper

240 100

120 12.4 9.4 14.2

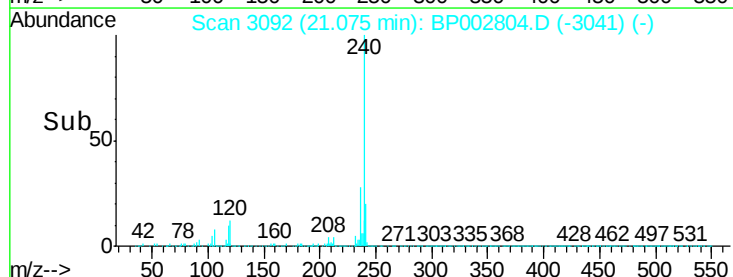
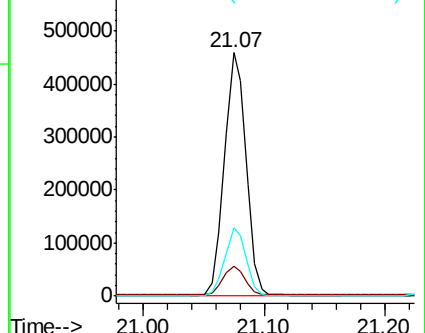
236 27.9 21.3 31.9

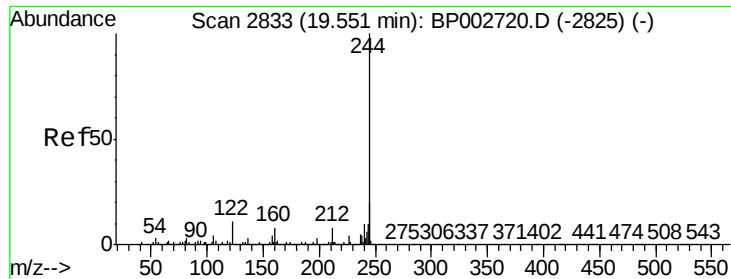


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 88.143 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

Instrument :

BNA_P

ClientSampleId :

200715091-01

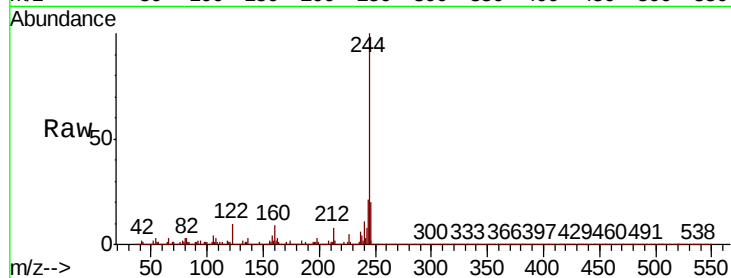
Tot Ion:244 Resp: 2189503

Ion Ratio Lower Upper

244 100

212 8.4 6.0 9.0

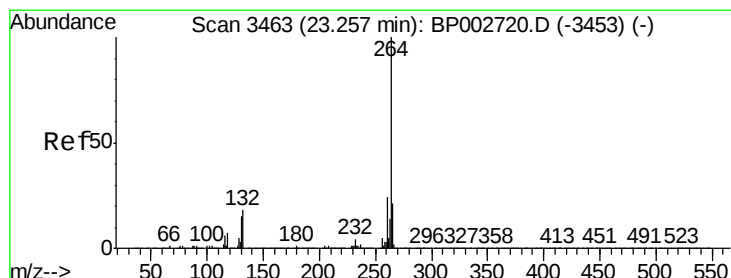
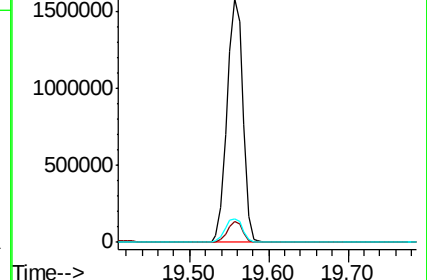
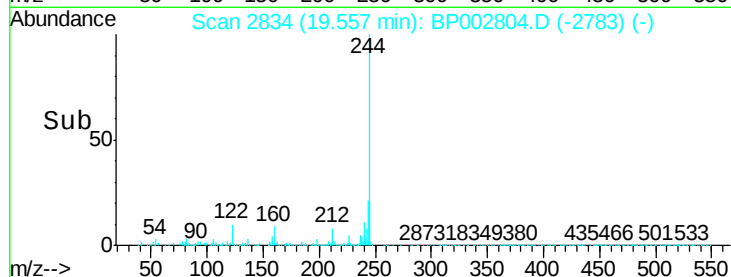
122 9.7 8.9 13.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BP002804.D

Acq: 20 Jul 2020 17:11

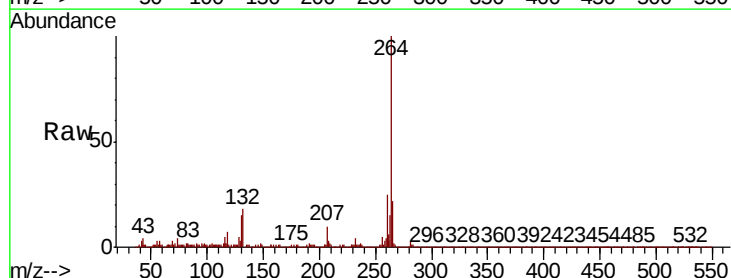
Tgt Ion:264 Resp: 555891

Ion Ratio Lower Upper

264 100

260 25.0 19.3 28.9

265 21.8 16.8 25.2



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

