

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072320\
 Data File : BP002850.D
 Acq On : 23 Jul 2020 20:44
 Operator : CG/JU
 Sample : L3402-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 24 01:01:20 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

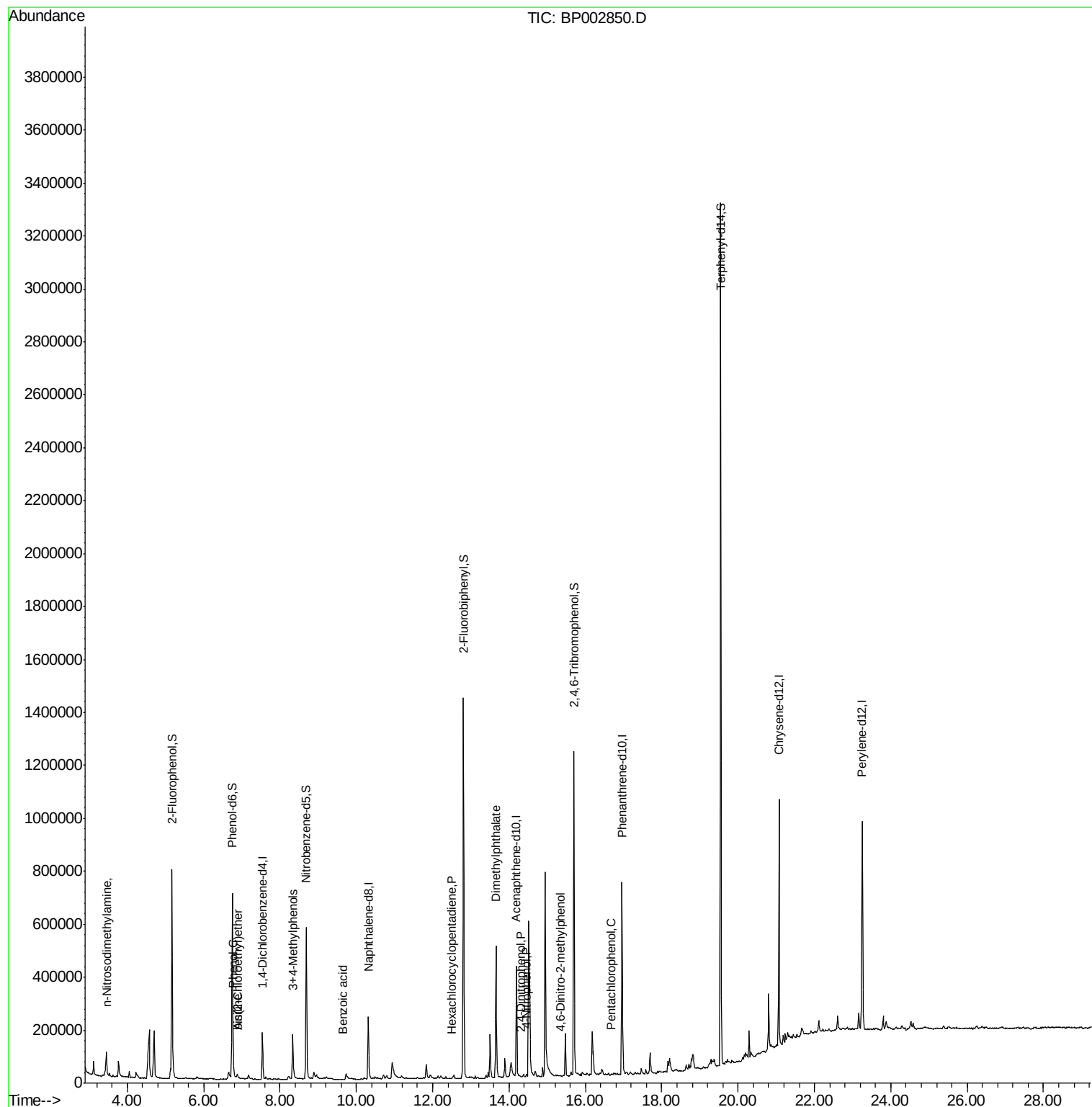
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	47295	20.00	ng	-0.01
21) Naphthalene-d8	10.31	136	204939	20.00	ng	-0.02
39) Acenaphthene-d10	14.19	164	133651	20.00	ng	-0.02
64) Phenanthrene-d10	16.96	188	311489	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	442537	20.00	ng	0.00
86) Perylene-d12	23.25	264	525478	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	374659	133.65	ng	-0.01
7) Phenol-d6	6.75	99	454894	113.71	ng	-0.01
23) Nitrobenzene-d5	8.69	82	350772	91.54	ng	-0.02
42) 2,4,6-Tribromophenol	15.70	330	218085	156.32	ng	-0.01
45) 2-Fluorobiphenyl	12.80	172	722556	83.63	ng	-0.02
79) Terphenyl-d14	19.55	244	1311813	67.96	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.45	42	8491	6.189	ng	Qvalue # 1
6) Aniline	6.88	93	13367	2.639	ng	96
10) Phenol	6.78	94	13476	3.288	ng	# 73
11) bis(2-Chloroethyl)ether	6.88	93	13367	3.921	ng	# 27
20) 3+4-Methylphenols	8.33	107	93282	24.163	ng	89
32) Benzoic acid	9.66	122	41	7.078	ng	# 1
41) Hexachlorocyclopentadiene	12.49	237	17	7.443	ng	75
50) Dimethylphthalate	13.66	163	322417	31.632	ng	100
54) 2,4-Dinitrophenol	14.31	184	8	11.380	ng	# 1
56) 4-Nitrophenol	14.45	139	17	4.980	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.35	198	10	5.271	ng	# 1
70) Pentachlorophenol	16.68	266	10	7.447	ng	98

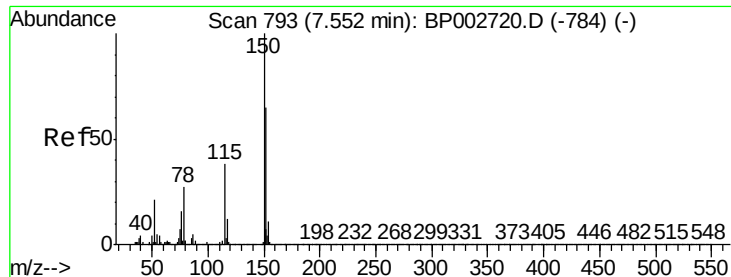
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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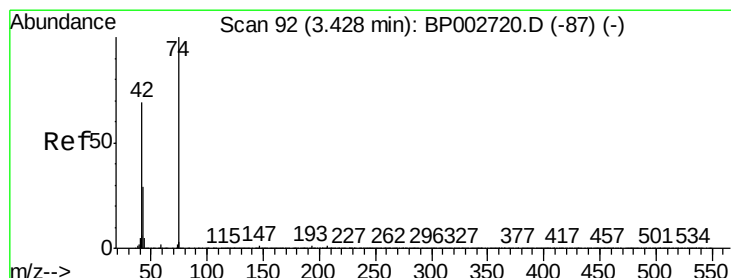
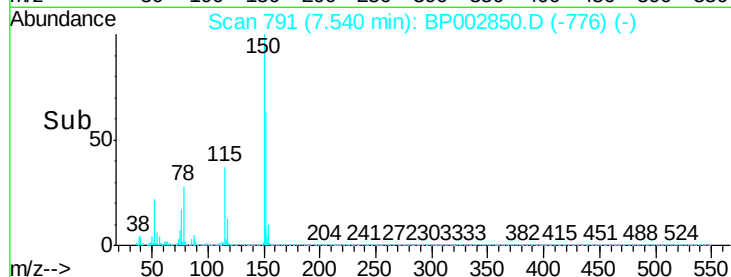
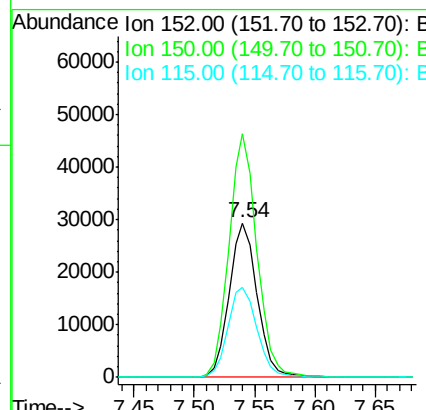
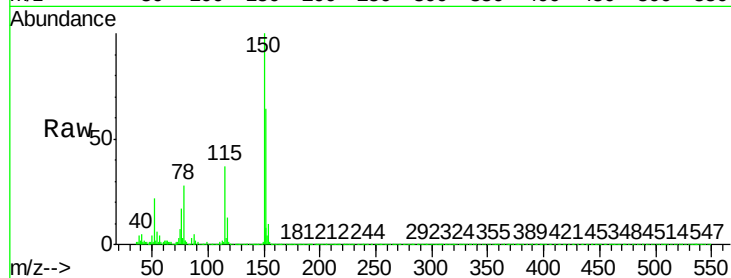


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.54 min Scan# 791
Delta R.T. -0.01 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Instrument :
BNA_P
ClientSampleId :

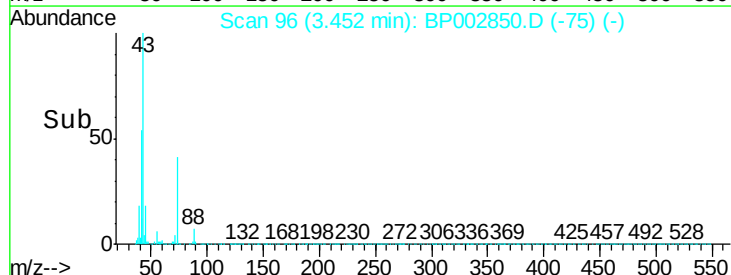
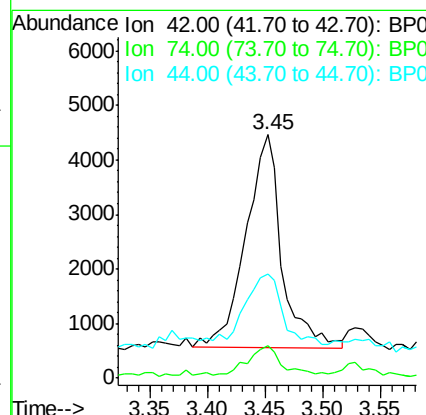
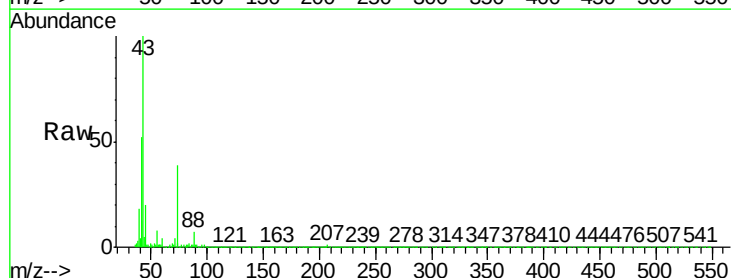
Tot Ion	152	Resp	47295
Ion Ratio	Lower	Upper	
152	100		
150	157.4	123.7	185.5
115	57.8	47.2	70.8

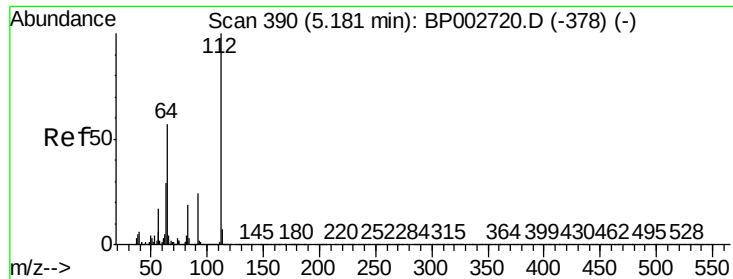


#4

n-Nitrosodimethylamine
Concen: 6.189 ng
RT: 3.45 min Scan# 96
Delta R.T. 0.02 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Tgt Ion	42	Resp	8491
Ion Ratio	Lower	Upper	
42	100		
74	13.3	116.3	174.5#
44	43.0	5.9	8.9#





#5

2-Fluorophenol

Concen: 133.655 ng

RT: 5.17 min Scan# 388

Delta R.T. -0.01 min

Lab File: BP002850.D

Acq: 23 Jul 2020 20:44

Instrument :

BNA_P

ClientSampleId :

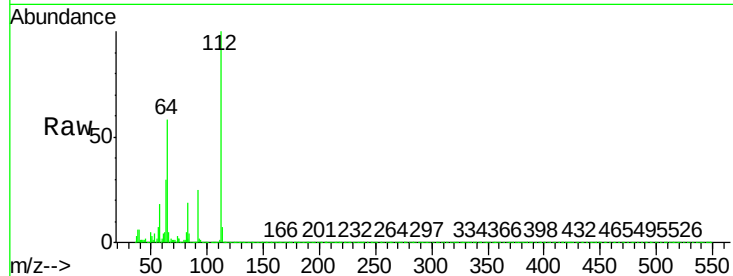
Tot Ion:112 Resp: 374659

Ion Ratio Lower Upper

112 100

64 58.4 45.6 68.4

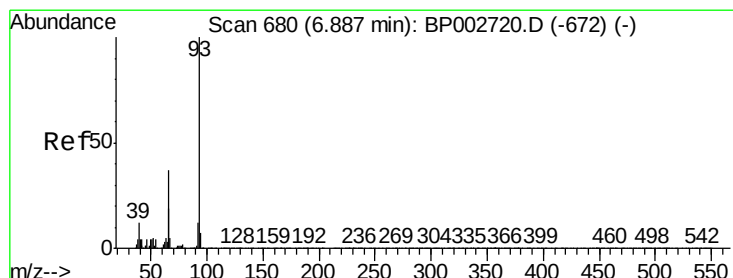
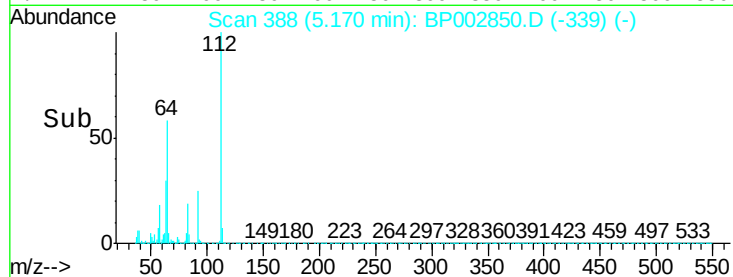
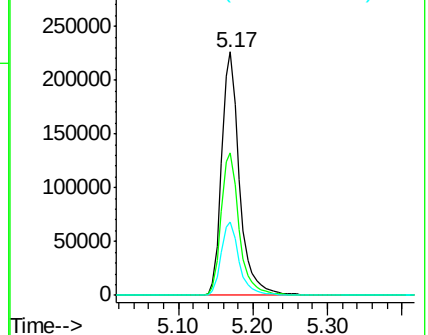
63 30.2 23.5 35.3



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



#6

Aniline

Concen: 2.639 ng

RT: 6.88 min Scan# 679

Delta R.T. -0.01 min

Lab File: BP002850.D

Acq: 23 Jul 2020 20:44

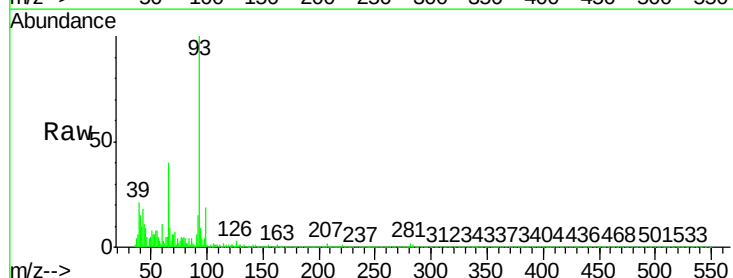
Tgt Ion: 93 Resp: 13367

Ion Ratio Lower Upper

93 100

66 40.2 30.1 45.1

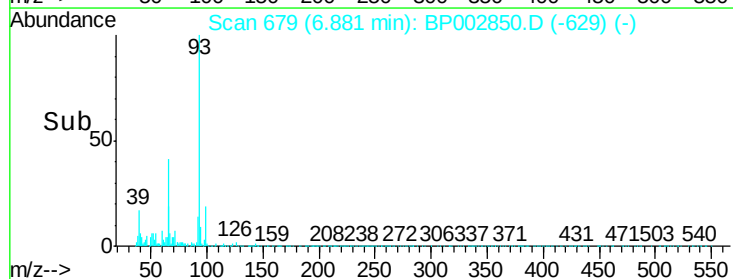
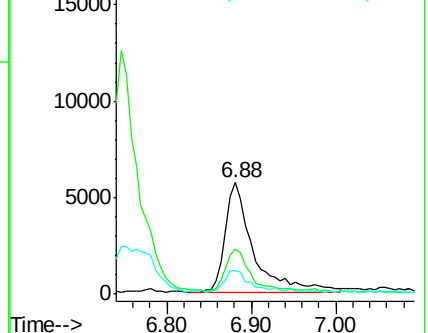
65 21.0 15.4 23.2

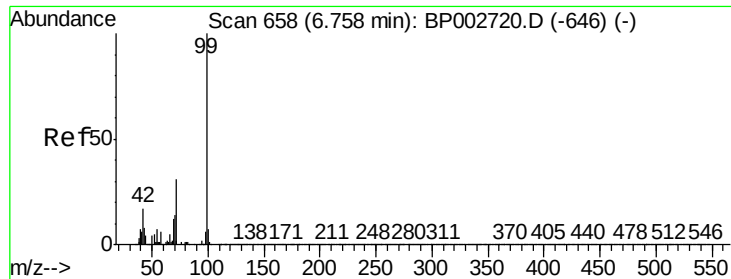


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 113.706 ng

RT: 6.75 min Scan# 656

Delta R.T. -0.01 min

Lab File: BP002850.D

Acq: 23 Jul 2020 20:44

Instrument :

BNA_P

ClientSampleId :

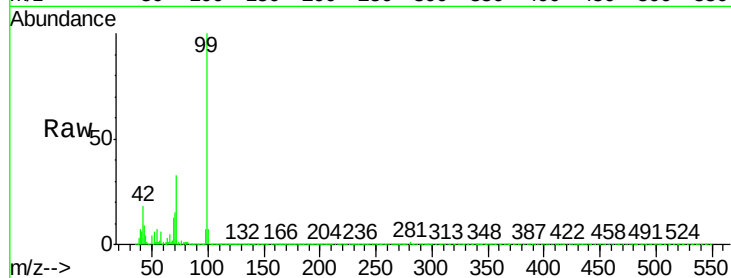
Tot Ion: 99 Resp: 454894

Ion Ratio Lower Upper

99 100

42 18.1 13.4 20.2

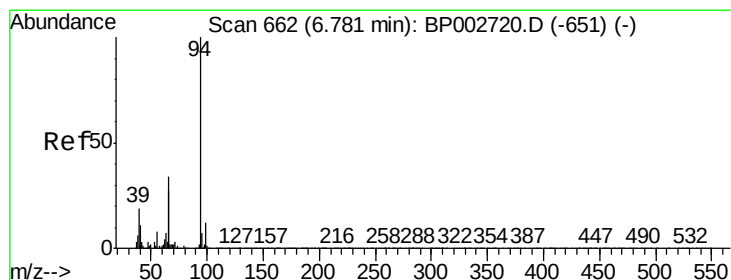
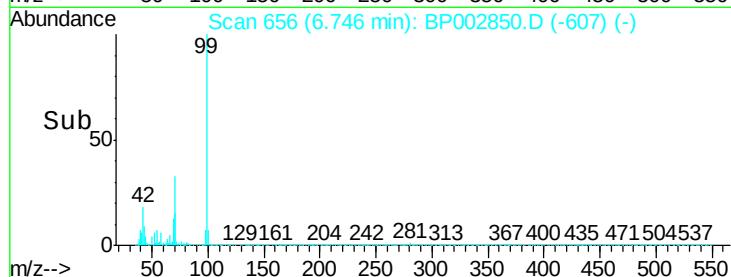
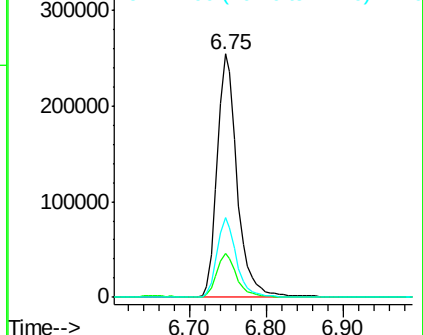
71 32.9 24.6 36.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 3.288 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002850.D

Acq: 23 Jul 2020 20:44

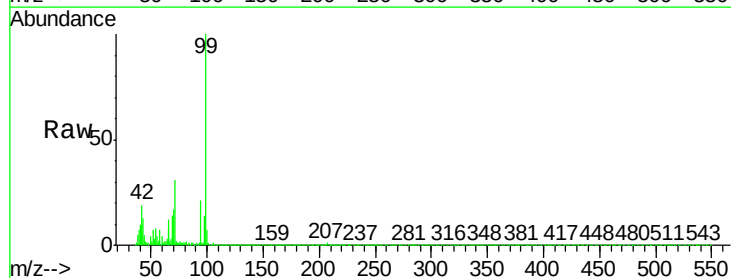
Tgt Ion: 94 Resp: 13476

Ion Ratio Lower Upper

94 100

65 31.2 7.0 47.0

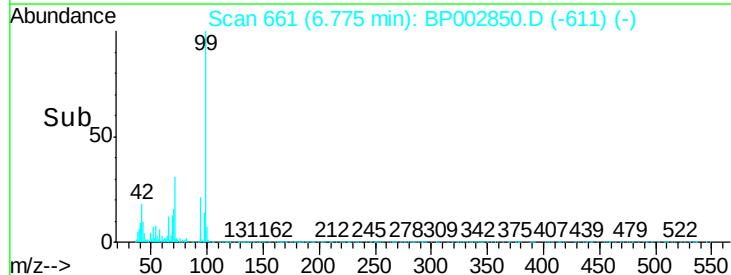
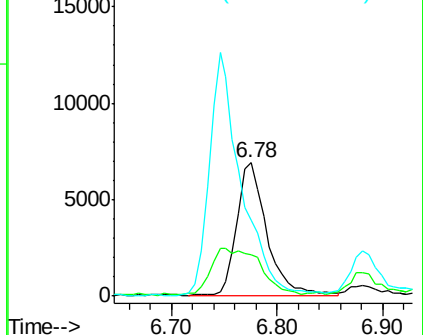
66 57.4 13.7 53.7#

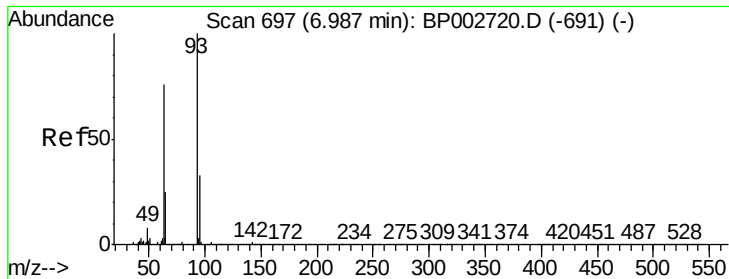


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

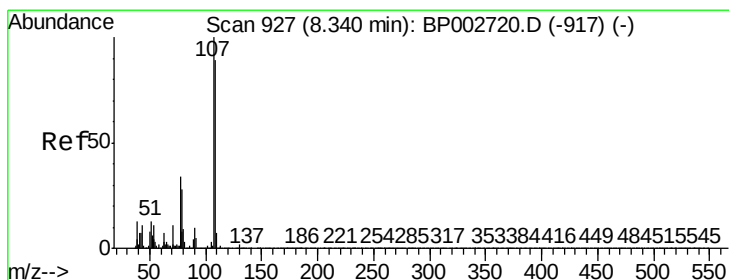
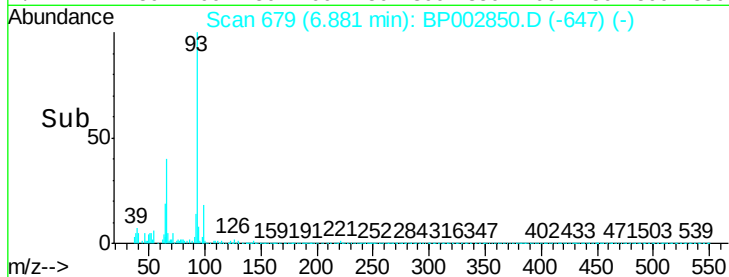
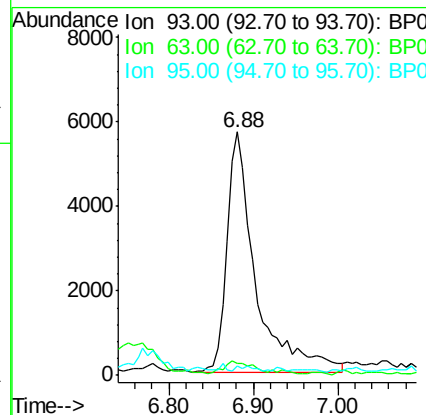
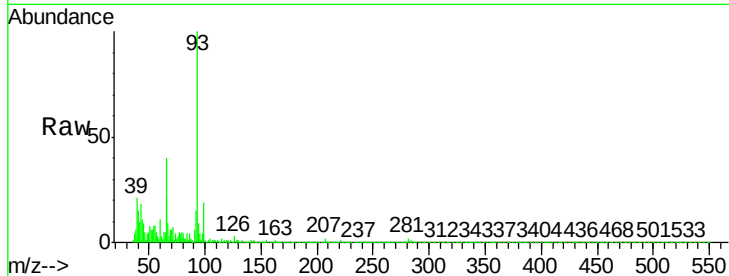




#11
bis(2-Chloroethyl)ether
Concen: 3.921 ng
RT: 6.88 min Scan# 679
Delta R.T. -0.11 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

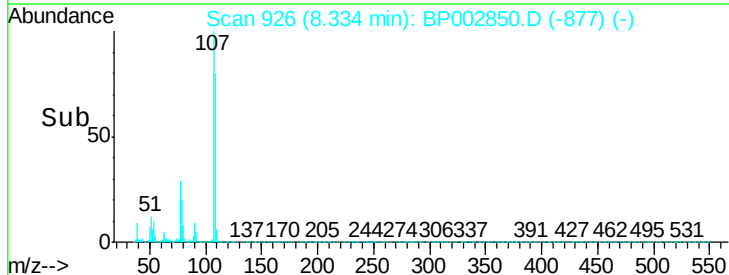
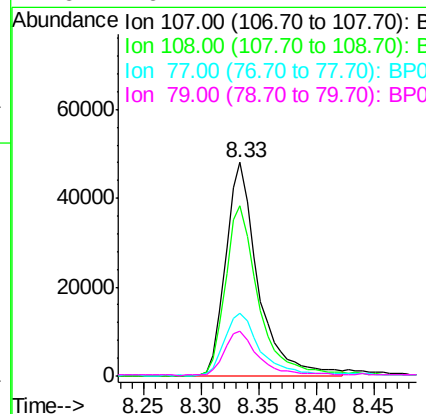
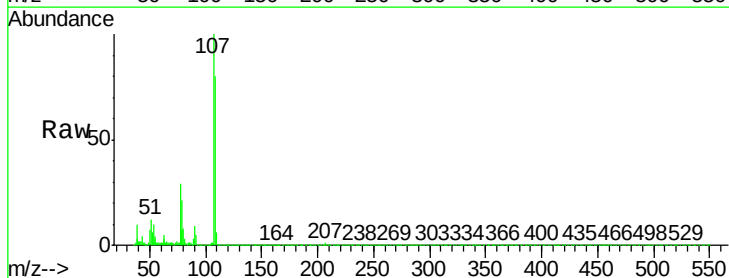
Instrument :
BNA_P
ClientSampleId :

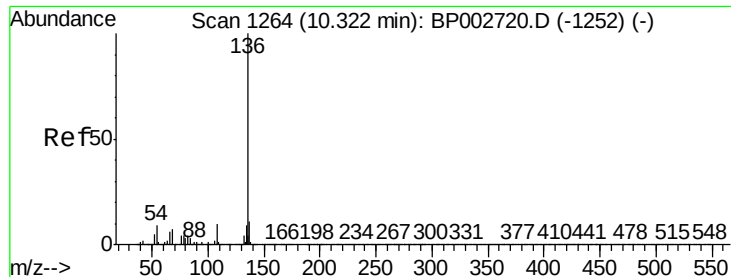
Tot Ion	Ratio	Lower	Upper
93	100		
63	5.1	55.1	95.1#
95	3.8	12.7	52.7#



#20
3+4-Methylphenols
Concen: 24.163 ng
RT: 8.33 min Scan# 926
Delta R.T. -0.01 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.6	69.5	109.5
77	29.2	14.3	54.3
79	20.7	7.7	47.7

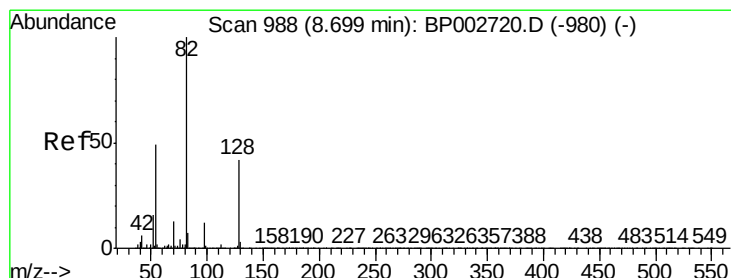
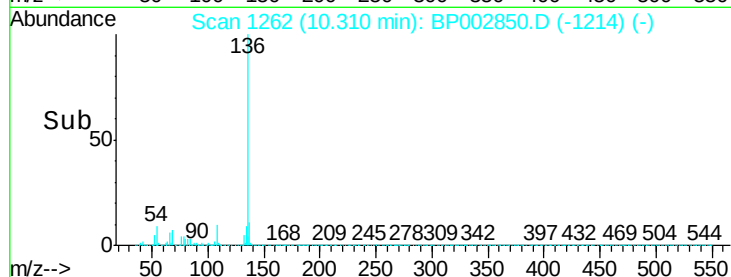
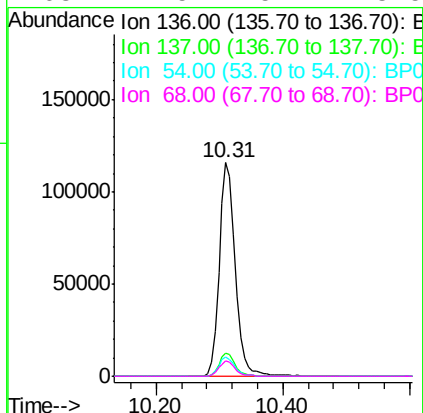
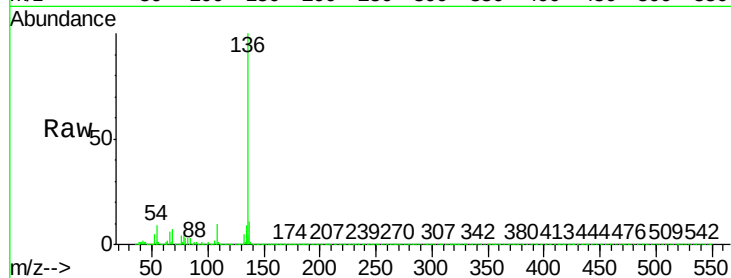




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.31 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

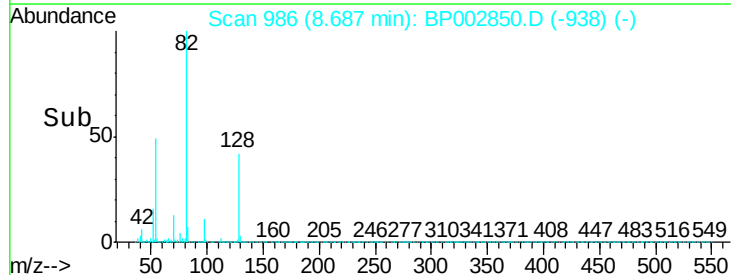
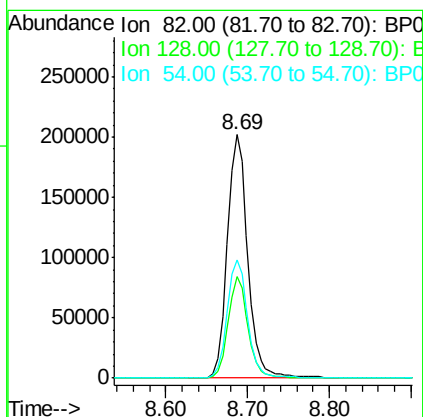
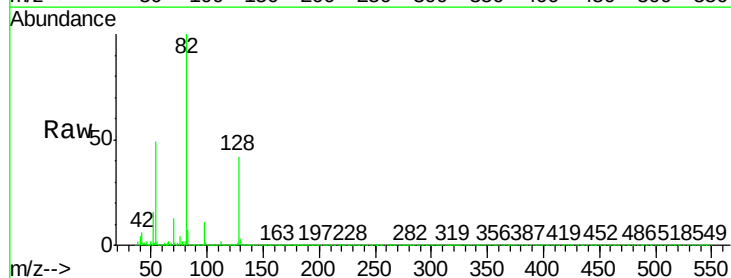
Instrument :
BNA_P
ClientSampleId :

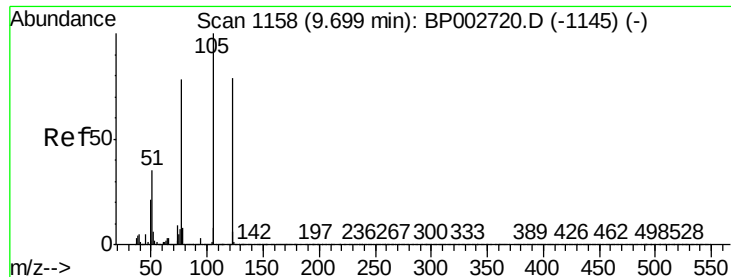
Tot Ion:136	Resp:	204939	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	8.6	13.0	
54 9.0	6.9	10.3	
68 7.5	5.7	8.5	



#23
Nitrobenzene-d5
Concen: 91.542 ng
RT: 8.69 min Scan# 986
Delta R.T. -0.02 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Tgt	Ion: 82	Resp:	350772
Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.8	50.8
54	48.6	38.8	58.2

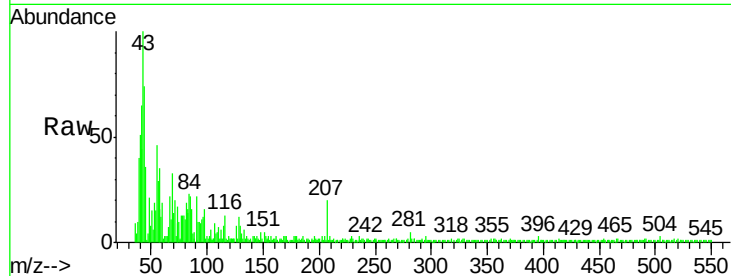




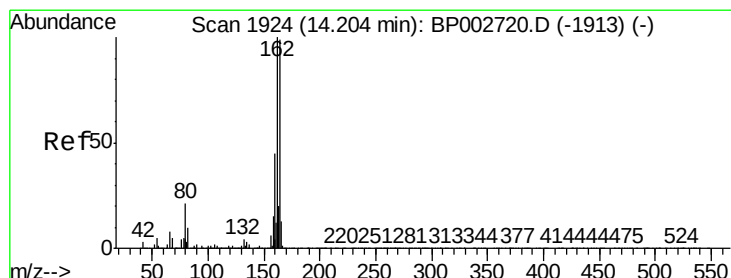
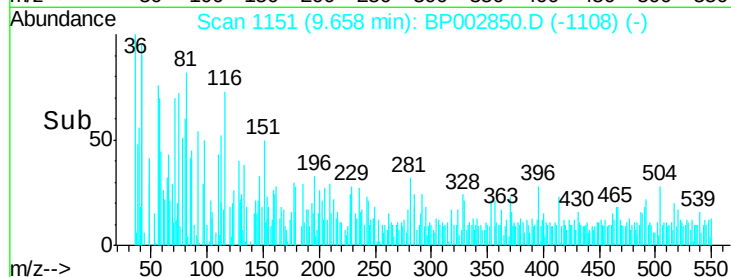
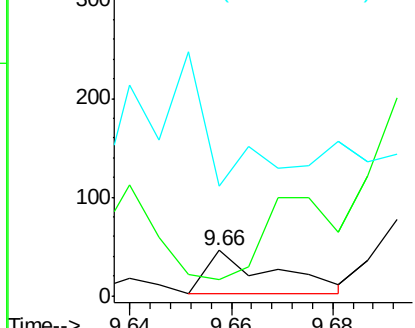
#32
Benzoic acid
Concen: 7.078 ng
RT: 9.66 min Scan# 1151
Delta R.T. -0.05 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Instrument :
BNA_P
ClientSampled :

Tot Ion:122 Resp: 41
Ion Ratio Lower Upper
122 100
105 37.0 105.4 145.4#
77 241.3 78.5 118.5#

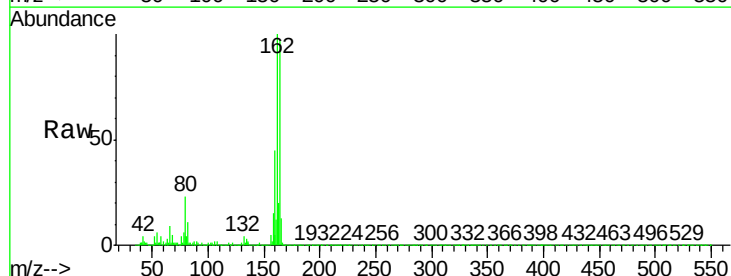


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BP0

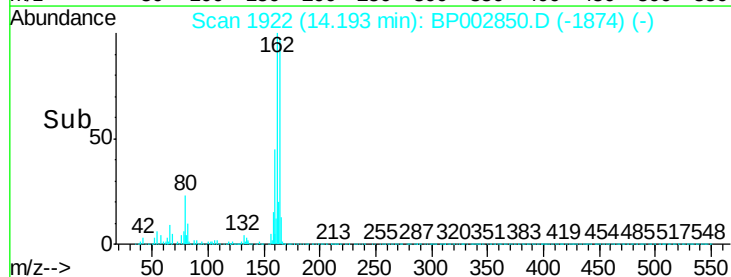
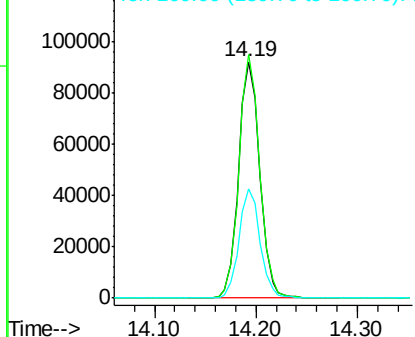


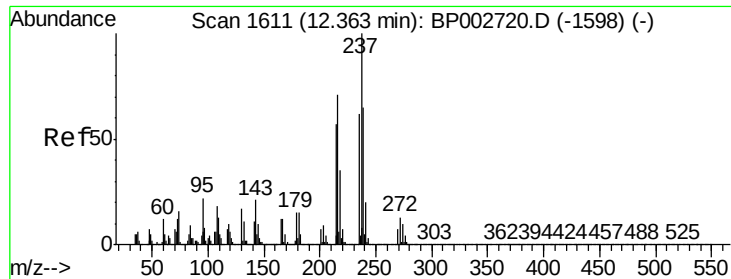
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.19 min Scan# 1922
Delta R.T. -0.02 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Tgt Ion:164 Resp: 133651
Ion Ratio Lower Upper
164 100
162 103.0 80.6 121.0
160 46.3 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

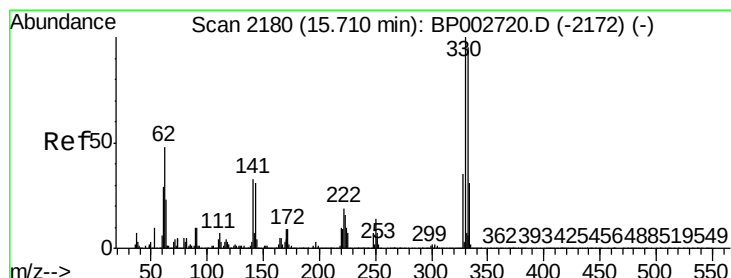
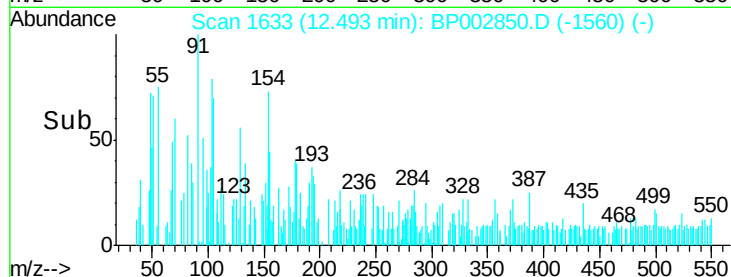
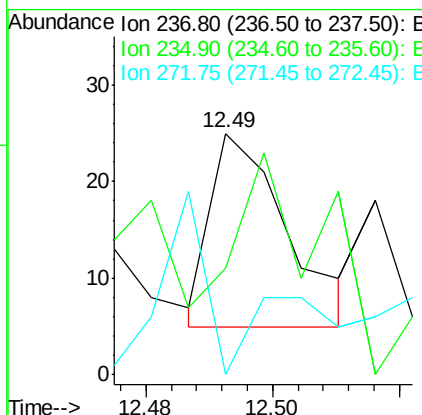
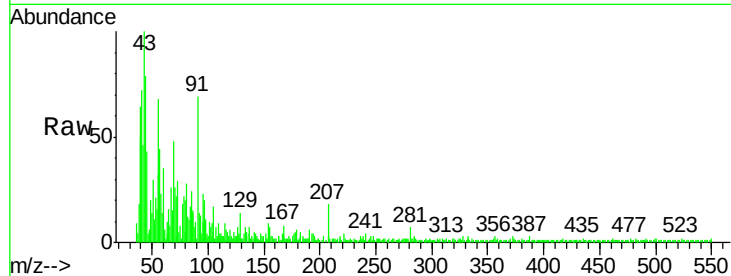




#41
Hexachlorocyclopentadiene
Concen: 7.443 ng
RT: 12.49 min Scan# 1633
Delta R.T. 0.13 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

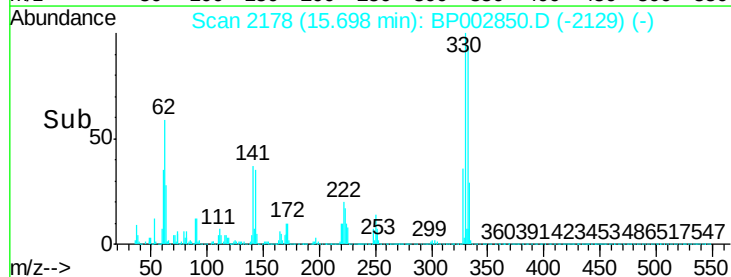
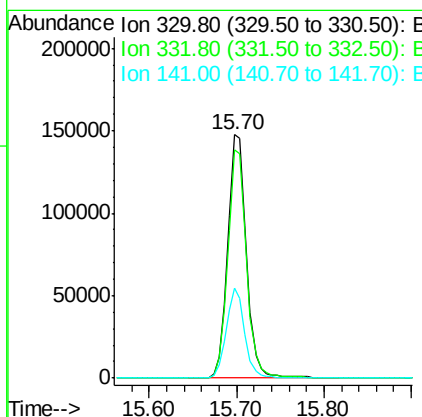
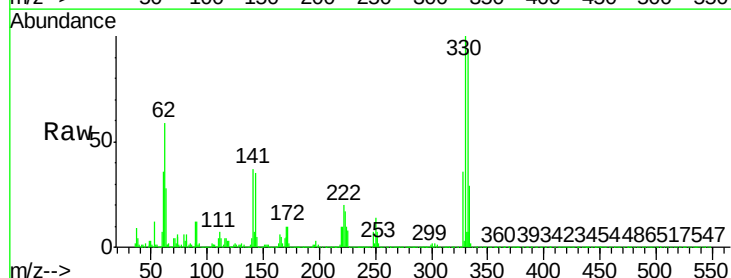
Instrument :
BNA_P
ClientSampleId :

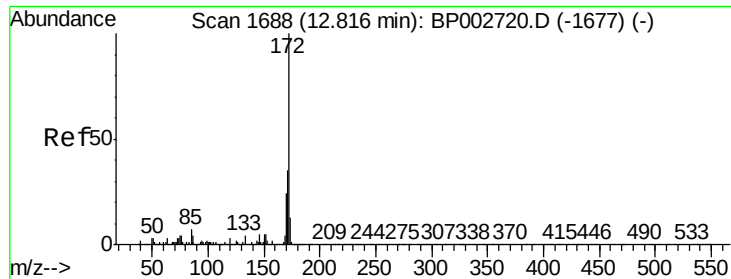
Tot Ion	Ratio	Lower	Upper
237	100		
235	44.0	42.3	82.3
272	0.0	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 156.322 ng
RT: 15.70 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.5	114.7
141	36.4	28.8	43.2

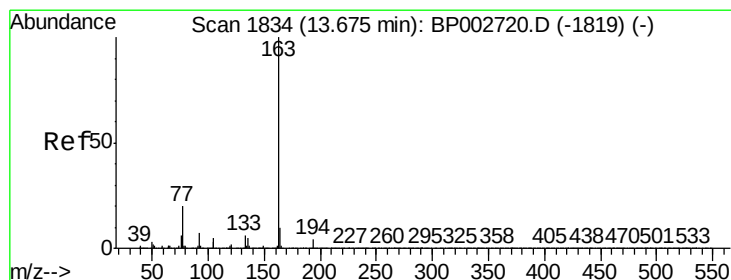
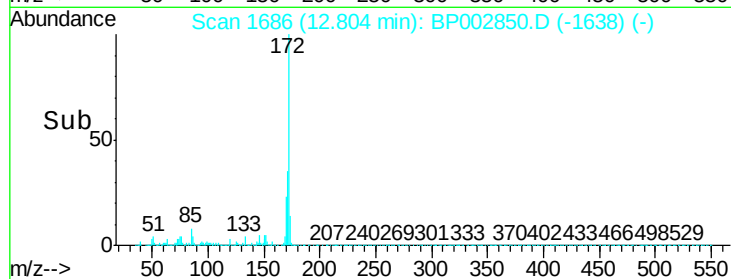
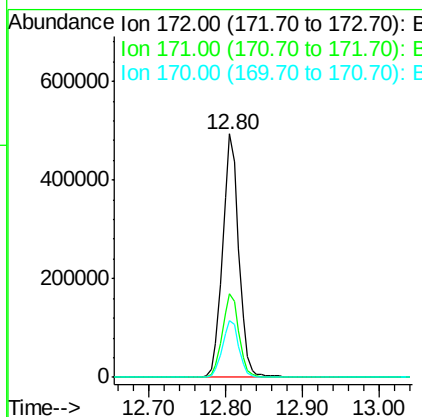
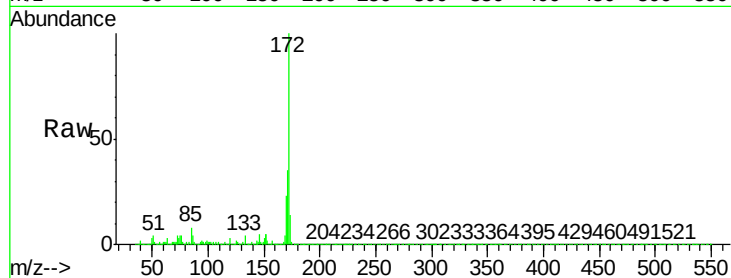




#45
2-Fluorobiphenyl
Concen: 83.634 ng
RT: 12.80 min Scan# 1686
Delta R.T. -0.02 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

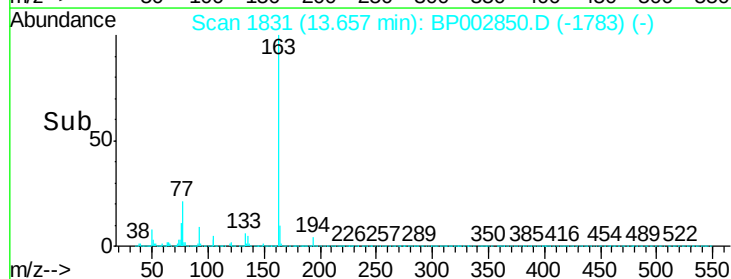
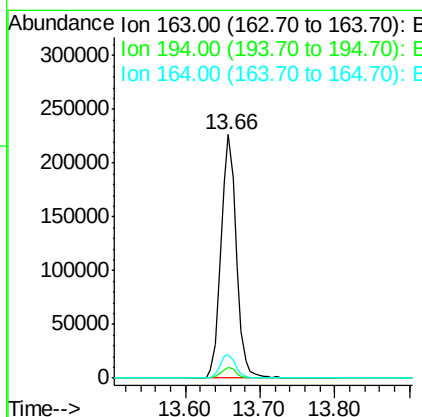
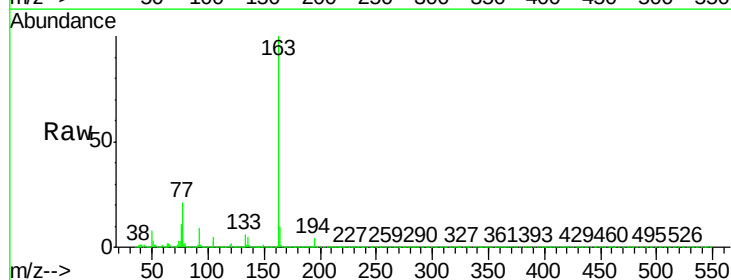
Instrument :
BNA_P
ClientSampleId :

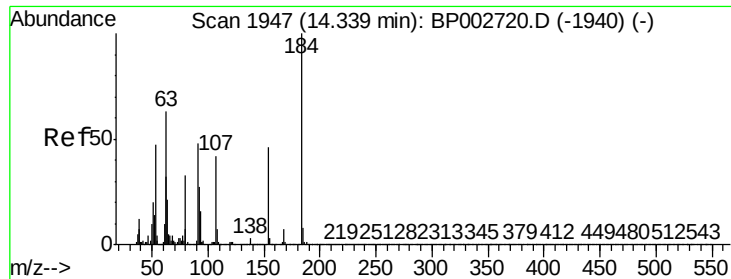
Tot Ion:172 Resp: 722556
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.4 19.3 28.9



#50
Dimethylphthalate
Concen: 31.632 ng
RT: 13.66 min Scan# 1831
Delta R.T. -0.02 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Tgt Ion:163 Resp: 322417
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 9.8 7.8 11.8

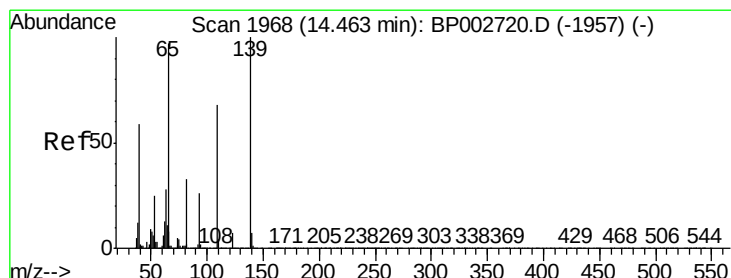
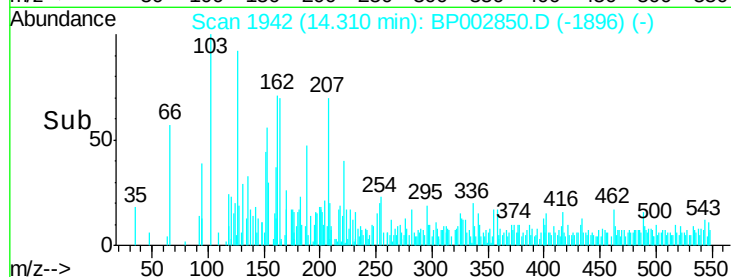
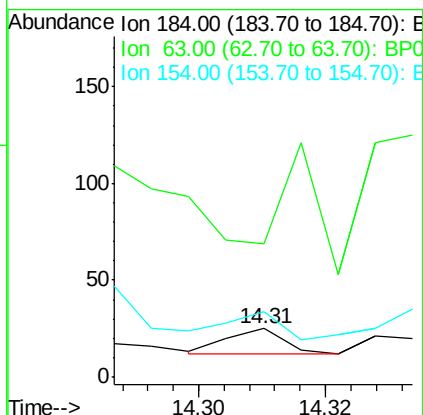
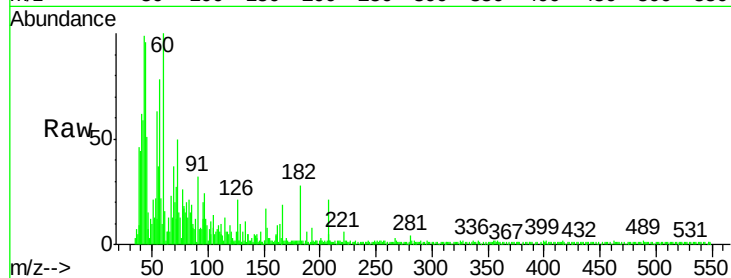




#54
2,4-Dinitrophenol
Concen: 11.380 ng
RT: 14.31 min Scan# 1942
Delta R.T. -0.03 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

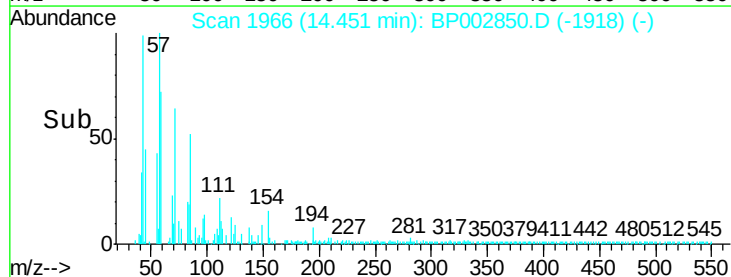
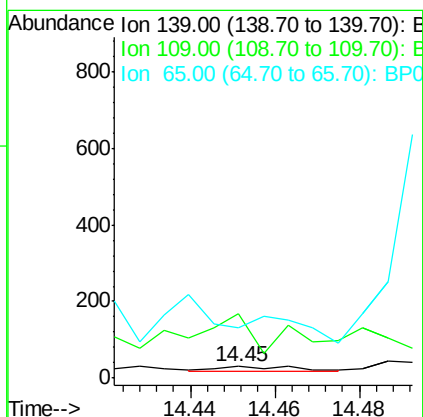
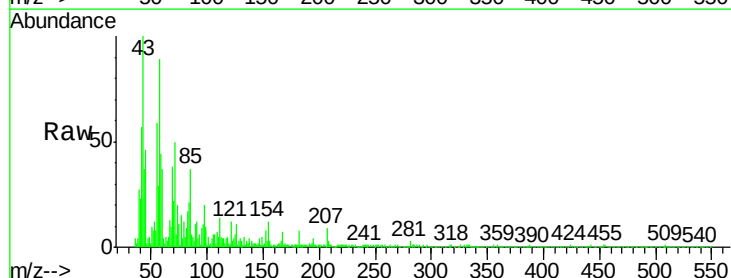
Instrument :
BNA_P
ClientSampleId :

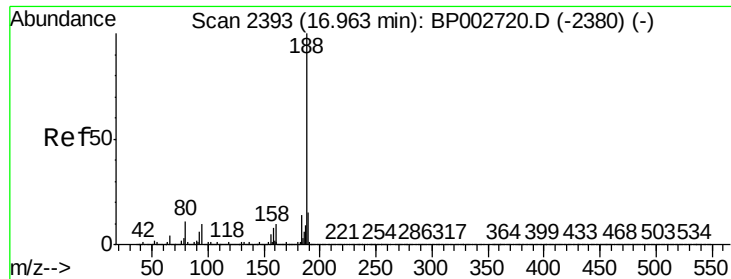
Tot Ion:184 Resp: 8
Ion Ratio Lower Upper
184 100
63 276.0 51.6 77.4#
154 136.0 45.0 67.6#



#56
4-Nitrophenol
Concen: 4.980 ng
RT: 14.45 min Scan# 1966
Delta R.T. -0.02 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Tgt Ion:139 Resp: 17
Ion Ratio Lower Upper
139 100
109 556.7 48.1 88.1#
65 440.0 77.9 117.9#

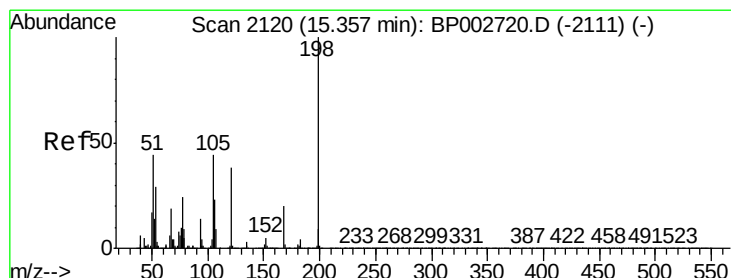
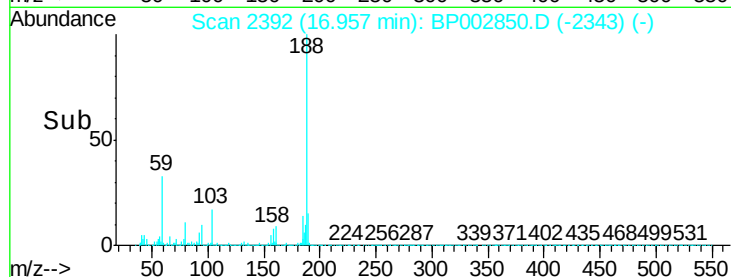
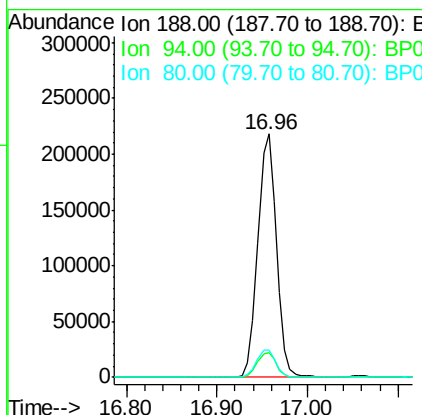
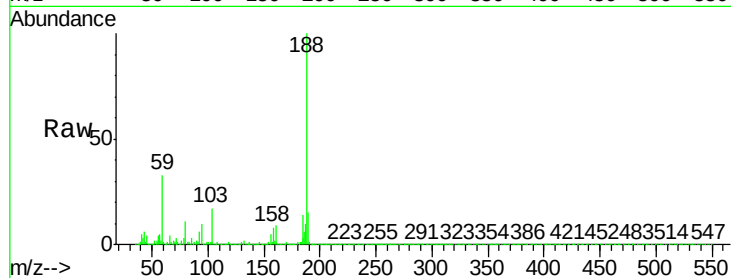




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

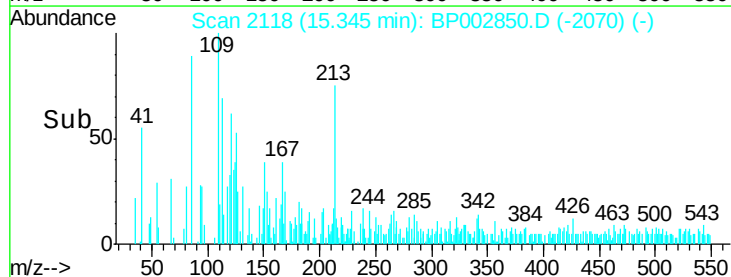
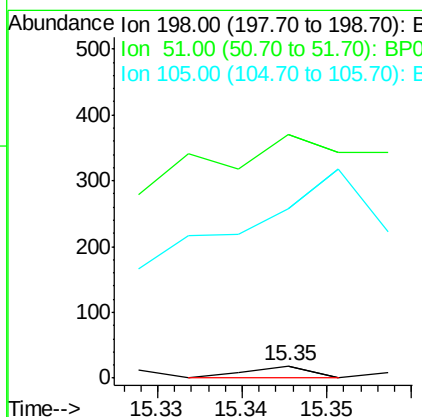
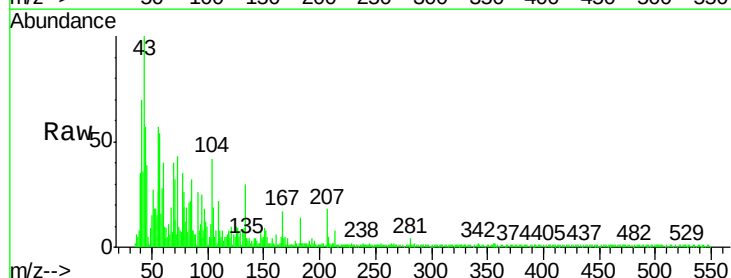
Instrument :
BNA_P
ClientSampled :

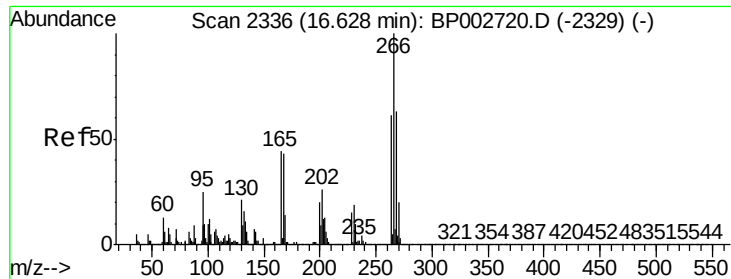
Tot Ion:188 Resp: 311489
Ion Ratio Lower Upper
188 100
94 10.4 8.1 12.1
80 11.0 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 5.271 ng
RT: 15.35 min Scan# 2118
Delta R.T. -0.02 min
Lab File: BP002850.D
Acq: 23 Jul 2020 20:44

Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 1947.4 27.1 67.1#
105 1357.9 24.9 64.9#

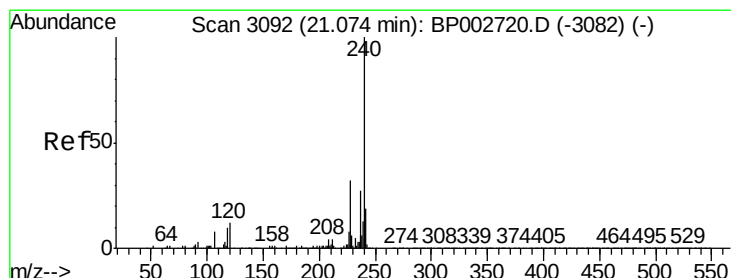
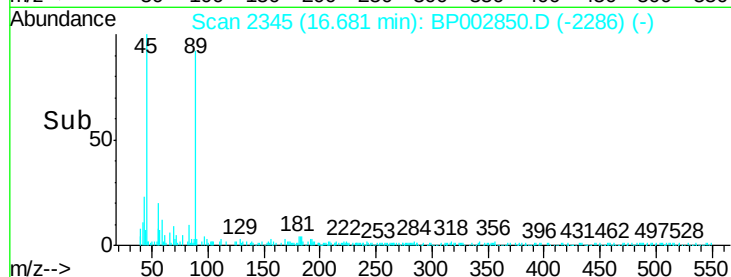
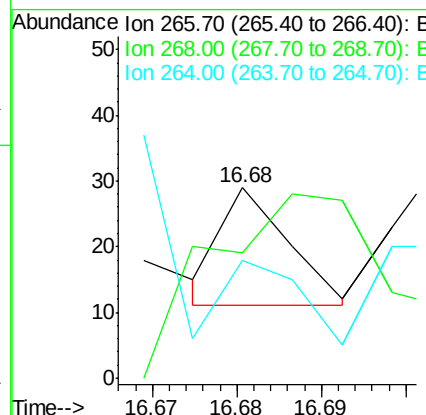
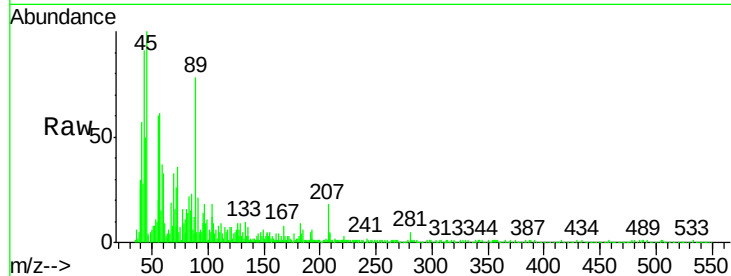




#70
 Pentachlorophenol
 Concen: 7.447 ng
 RT: 16.68 min Scan# 2345
 Delta R.T. 0.05 min
 Lab File: BP002850.D
 Acq: 23 Jul 2020 20:44

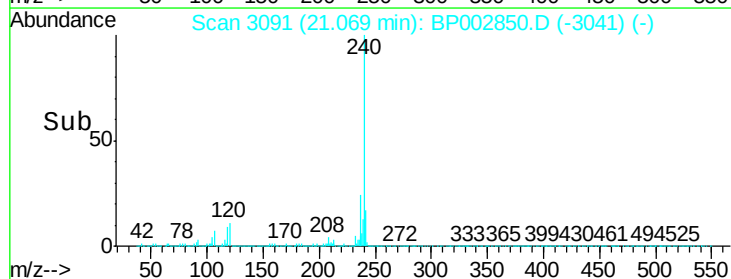
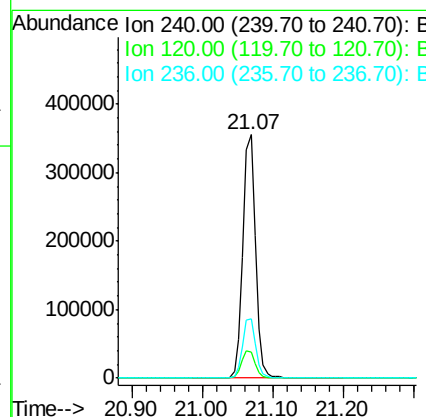
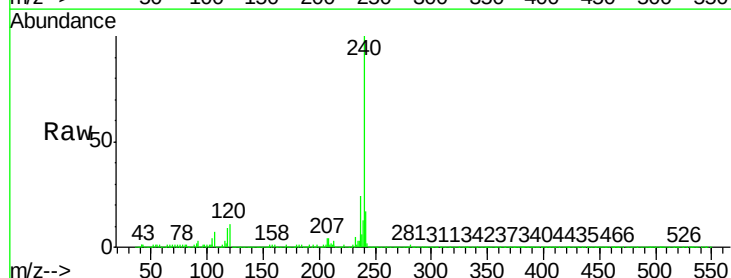
Instrument :
 BNA_P
 ClientSampled :

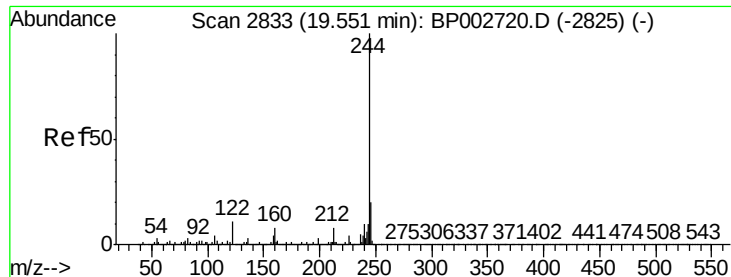
Tot Ion	Ratio	Lower	Upper
266	100		
268	65.5	50.6	75.8
264	62.1	48.6	72.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.07 min Scan# 3091
 Delta R.T. -0.01 min
 Lab File: BP002850.D
 Acq: 23 Jul 2020 20:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.4	14.2
236	24.2	21.3	31.9





#79

Terphenyl-d14

Concen: 67.963 ng

RT: 19.55 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BP002850.D

Acq: 23 Jul 2020 20:44

Instrument :

BNA_P

ClientSampled :

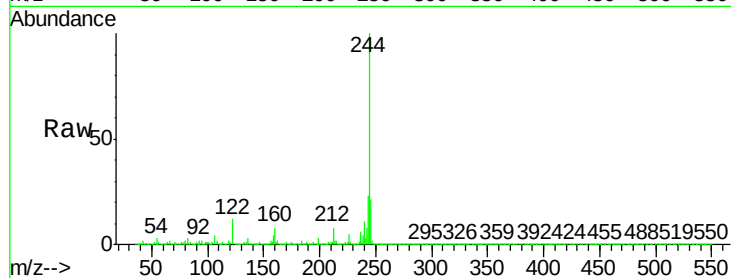
Tot Ion:244 Resp: 1311813

Ion Ratio Lower Upper

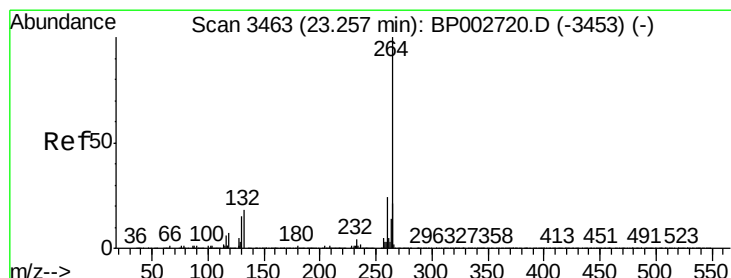
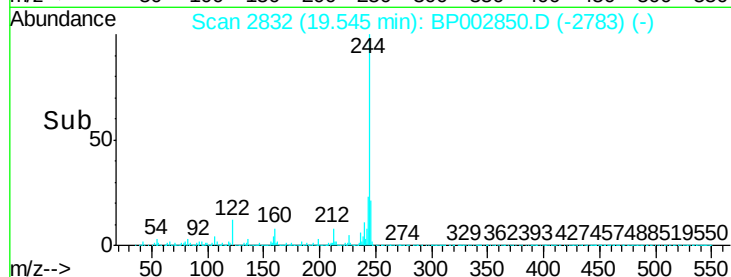
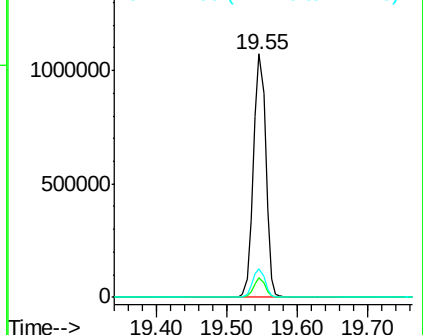
244 100

212 8.1 6.0 9.0

122 11.6 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: 23.25 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BP002850.D

Acq: 23 Jul 2020 20:44

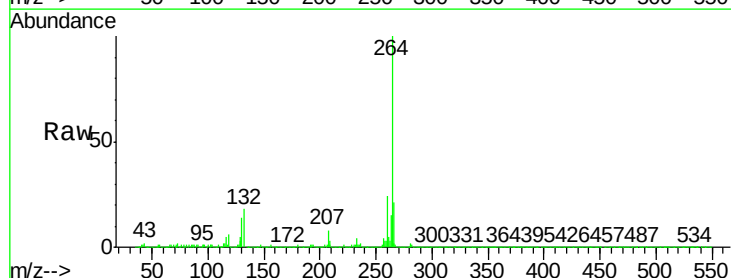
Tgt Ion:264 Resp: 525478

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 21.1 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

