

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
 Data File : BP003025.D
 Acq On : 18 Aug 2020 19:40
 Operator : CG/JU
 Sample : L3696-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 W-1

Quant Time: Aug 19 00:57:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 14:07:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	325120	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1286929	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	735969	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	1524506	20.00	ng	0.00
76) Chrysene-d12	21.16	240	1751180	20.00	ng	-0.01
86) Perylene-d12	23.40	264	1756742	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1014643	47.76	ng	0.00
7) Phenol-d6	6.86	99	743840	25.22	ng	-0.01
23) Nitrobenzene-d5	8.83	82	1424701	59.96	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	1027388	112.32	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	3758958	69.78	ng	0.00
79) Terphenyl-d14	19.65	244	5275340	60.31	ng	0.00

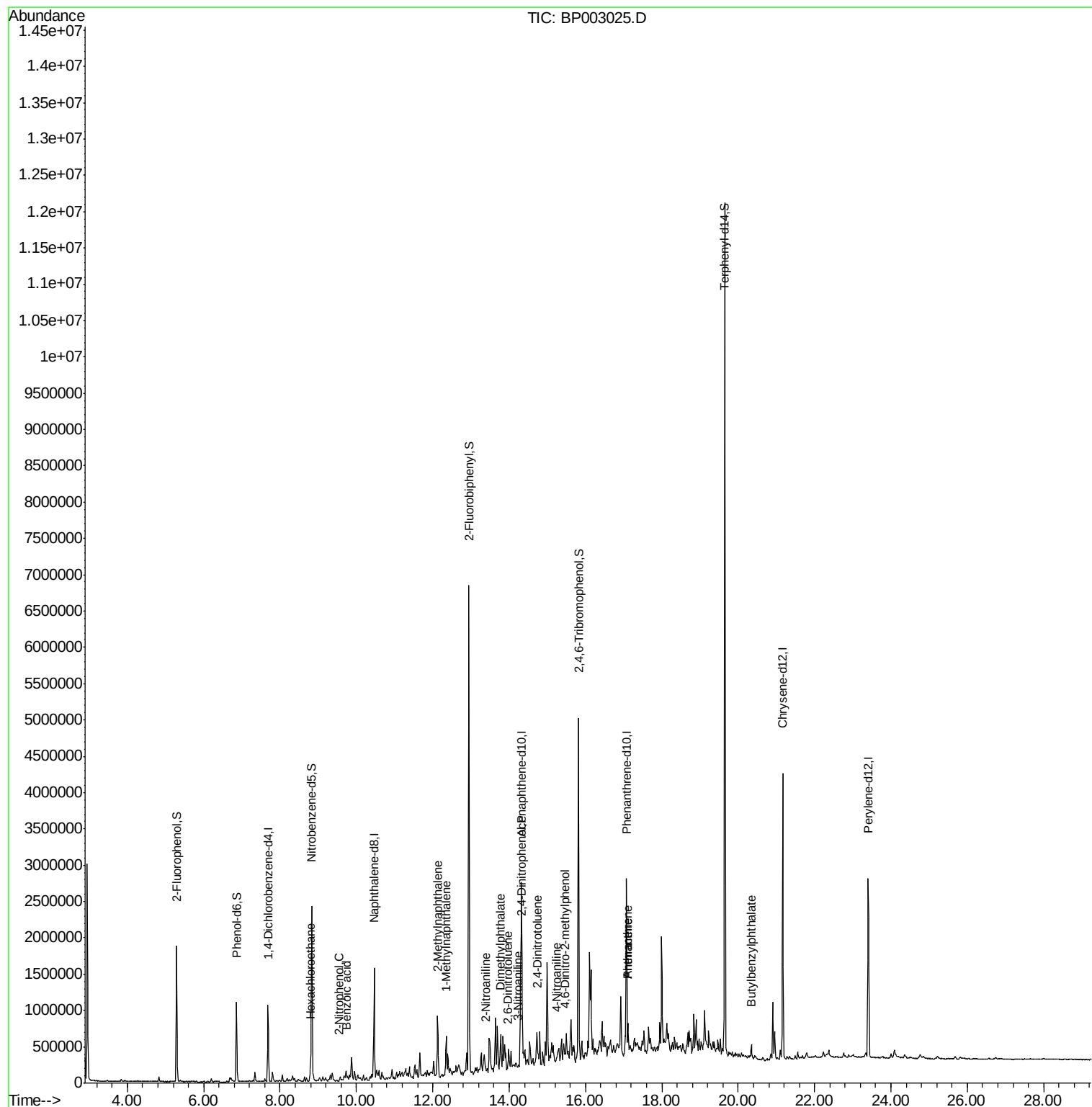
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	8.79	117	24643	2.734	ng	# 1
26) 2-Nitrophenol	9.55	139	61	4.526	ng	# 1
32) Benzoic acid	9.74	122	1683	7.804	ng	# 52
37) 2-Methylnaphthalene	12.13	142	417276	7.963	ng	99
38) 1-Methylnaphthalene	12.35	142	256846	5.207	ng	99
48) 2-Nitroaniline	13.39	65	221	3.989	ng	# 29
50) Dimethylphthalate	13.78	163	355579	6.177	ng	99
51) 2,6-Dinitrotoluene	13.96	165	347	2.924	ng	96
53) 3-Nitroaniline	14.25	138	862	3.332	ng	# 62
54) 2,4-Dinitrophenol	14.34	184	5313	8.931	ng	95
57) 2,4-Dinitrotoluene	14.73	165	11317	4.415	ng	# 59
62) 4-Nitroaniline	15.25	138	2941	2.625	ng	79
65) 4,6-Dinitro-2-methylphenol	15.46	198	101	6.911	ng	# 1
71) Phenanthrene	17.11	178	253408	2.835	ng	97
72) Anthracene	17.11	178	253408	2.900	ng	98
80) Butylbenzylphthalate	20.33	149	8504	3.218	ng	# 77

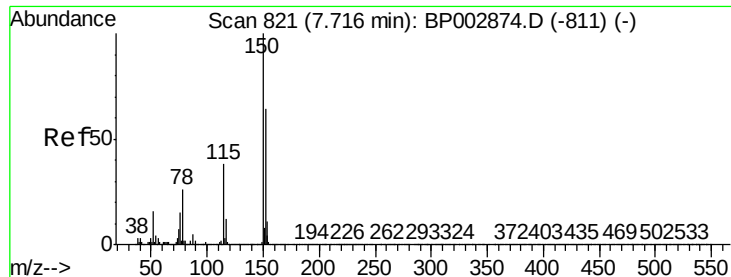
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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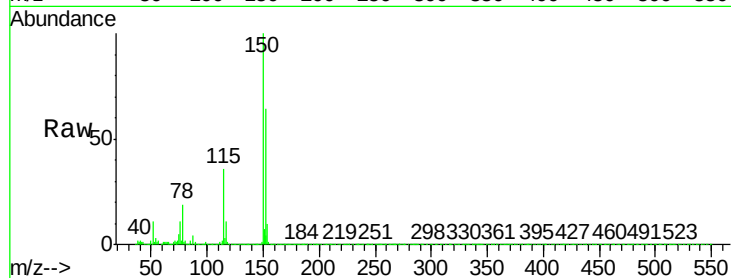


#1

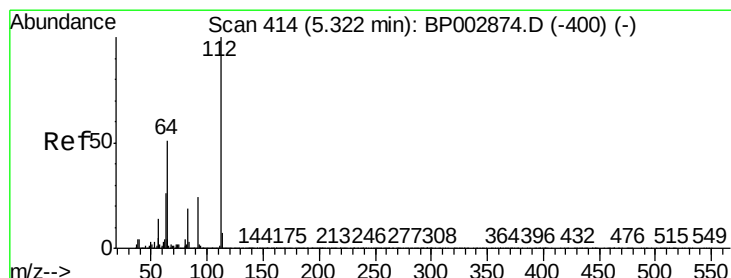
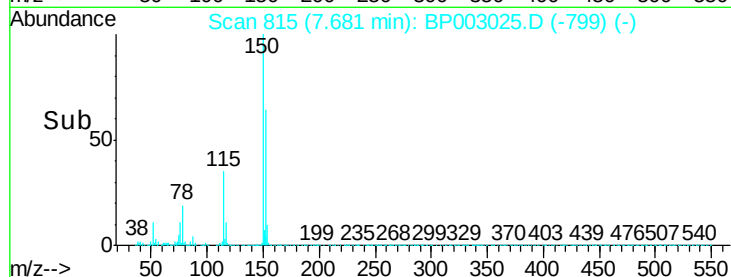
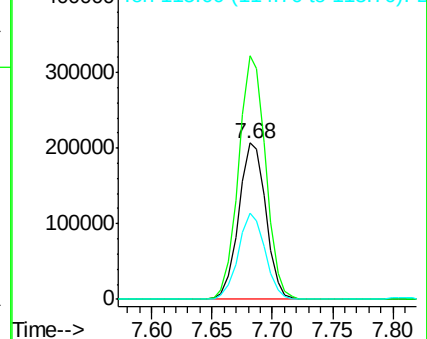
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 815
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Instrument :
BNA_P
ClientSampleId :
W-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.1	189.1
115	55.3	43.4	65.2



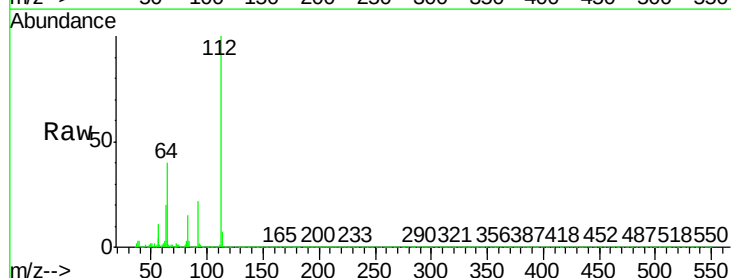
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



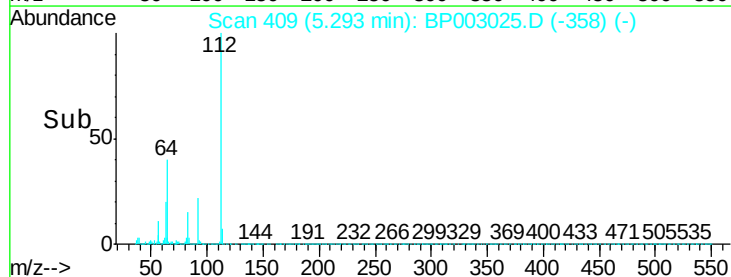
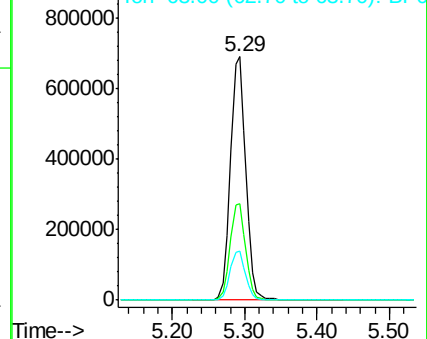
#5

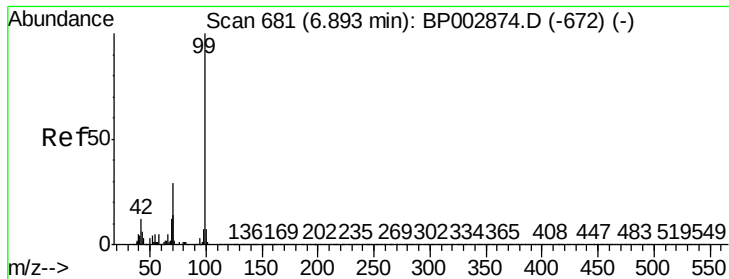
2-Fluorophenol
Concen: 47.764 ng
RT: 5.29 min Scan# 409
Delta R.T. 0.00 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	39.6	33.4	50.2
63	20.1	17.4	26.0



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: 25.221 ng

RT: 6.86 min Scan# 675

Delta R.T. -0.01 min

Lab File: BP003025.D

Acq: 18 Aug 2020 19:40

Instrument :

BNA_P

ClientSampleId :

W-1

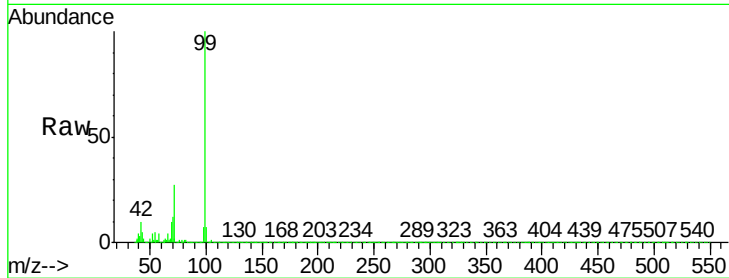
Tot Ion: 99 Resp: 743840

Ion Ratio Lower Upper

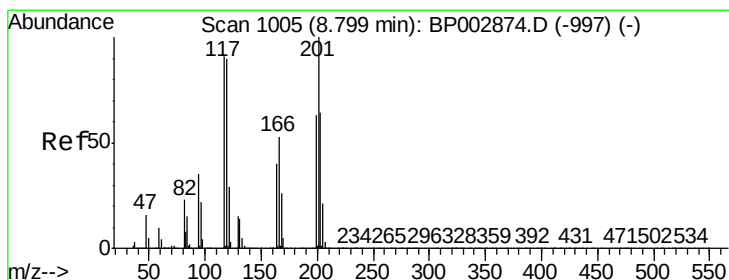
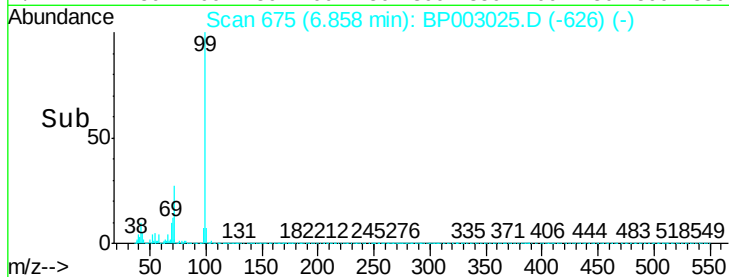
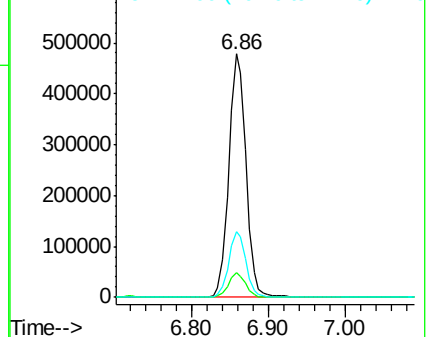
99 100

42 10.1 8.0 12.0

71 26.9 21.3 31.9



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



#18

Hexachloroethane

Concen: 2.734 ng

RT: 8.79 min Scan# 1004

Delta R.T. 0.03 min

Lab File: BP003025.D

Acq: 18 Aug 2020 19:40

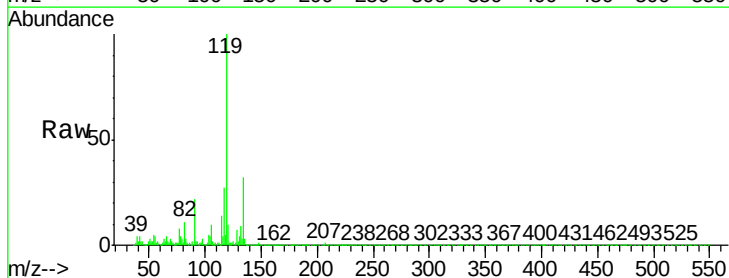
Tgt Ion: 117 Resp: 24643

Ion Ratio Lower Upper

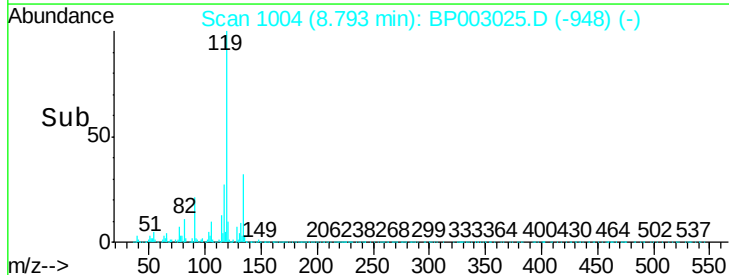
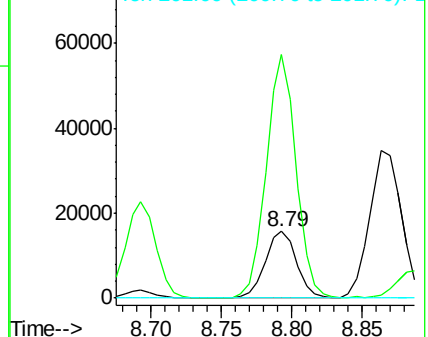
117 100

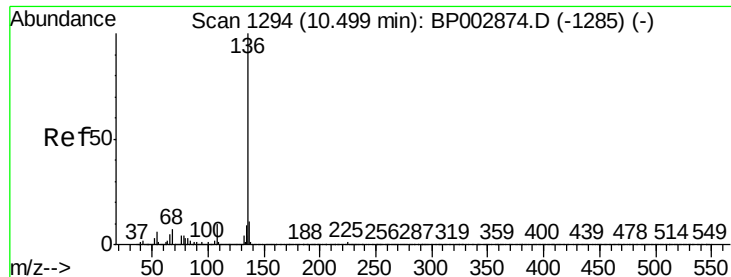
119 364.9 77.1 115.7#

201 0.0 84.3 126.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

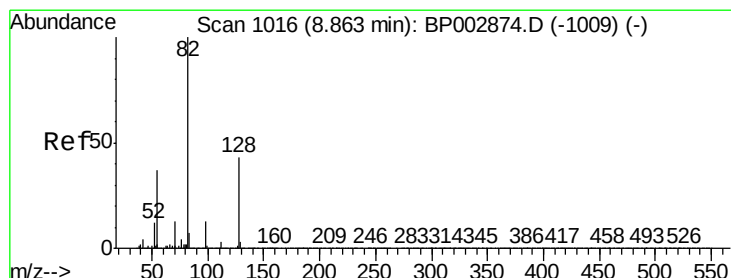
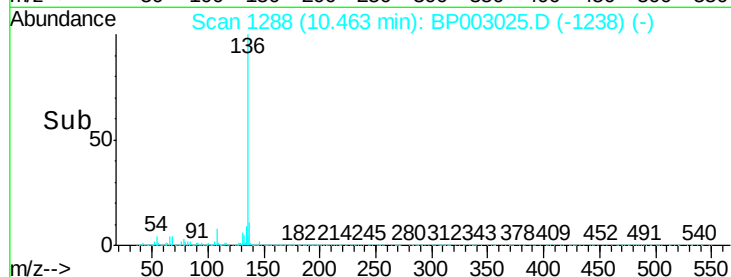
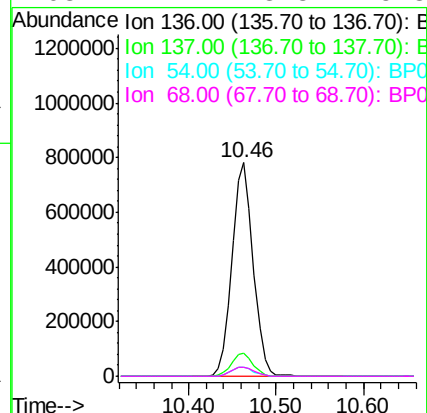
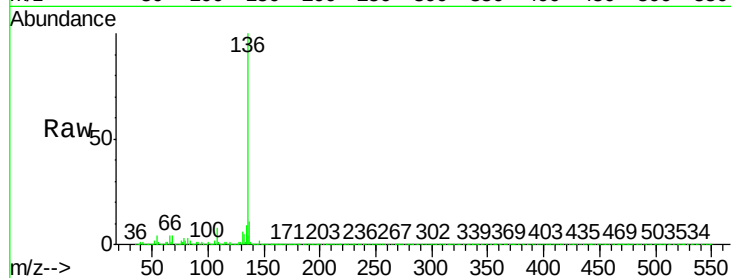




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

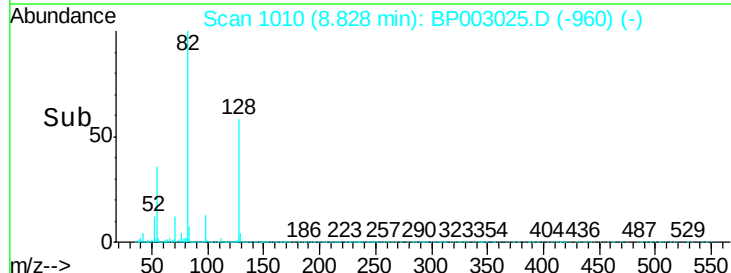
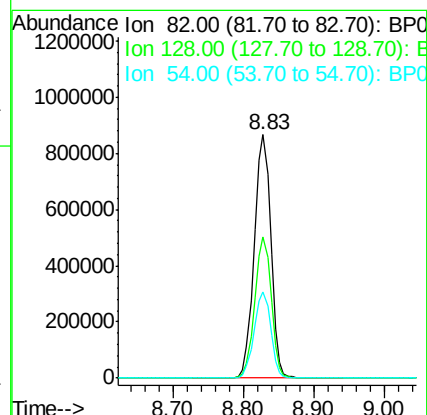
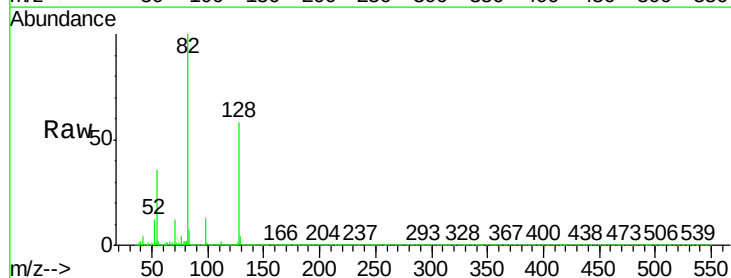
Instrument :
BNA_P
ClientSampleId :
W-1

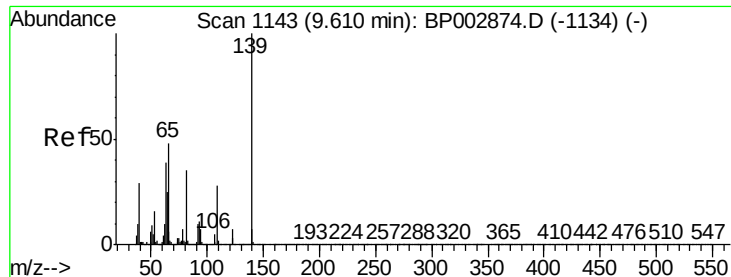
Tot Ion:136	Resp: 1286929
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 4.4	3.8 5.8
68 4.4	3.8 5.8



#23
Nitrobenzene-d5
Concen: 59.961 ng
RT: 8.83 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion: 82	Resp: 1424701
Ion Ratio	Lower Upper
82 100	
128 57.9	45.1 67.7
54 35.5	28.8 43.2

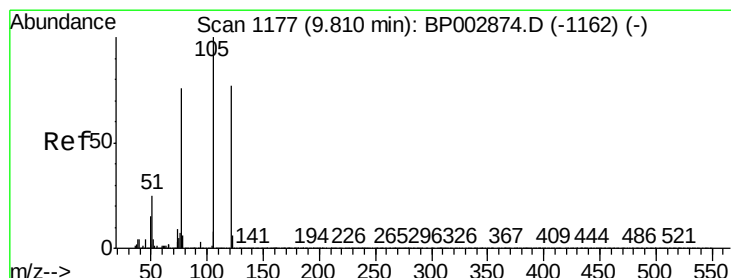
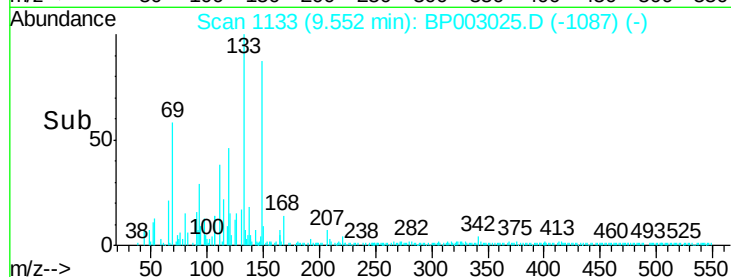
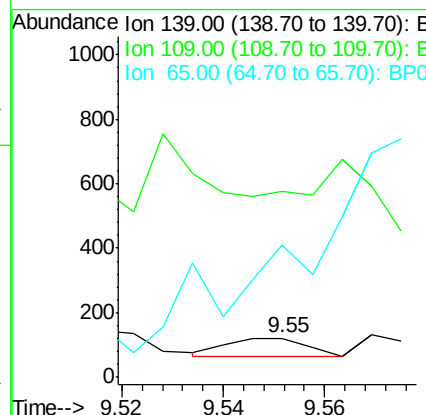
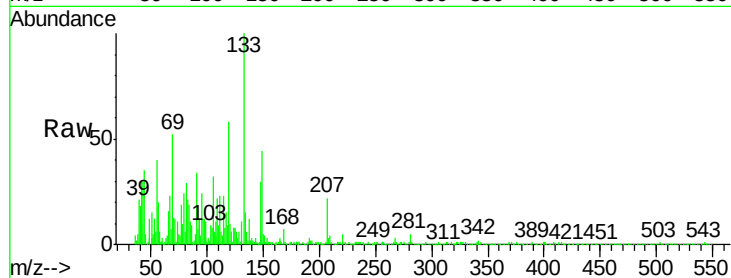




#26
2-Nitrophenol
Concen: 4.526 ng
RT: 9.55 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

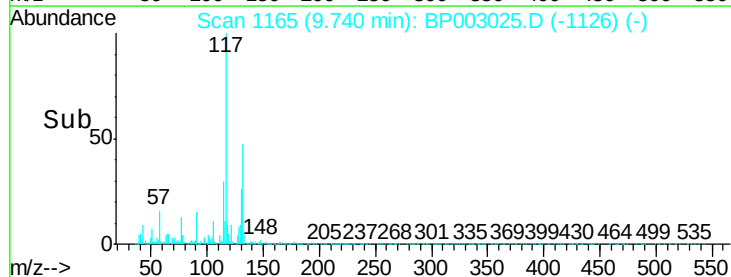
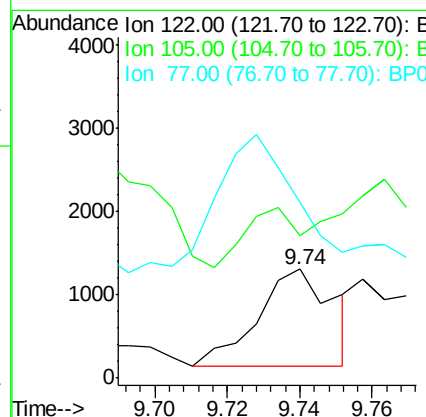
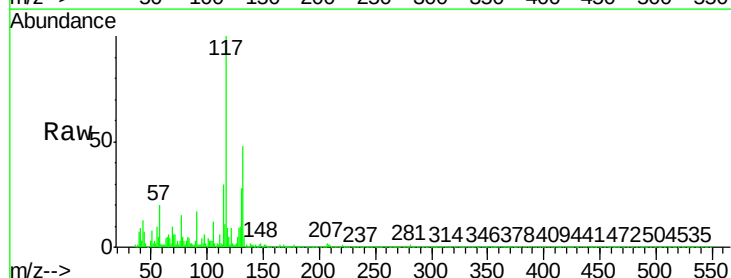
Instrument :
BNA_P
ClientSampled :
W-1

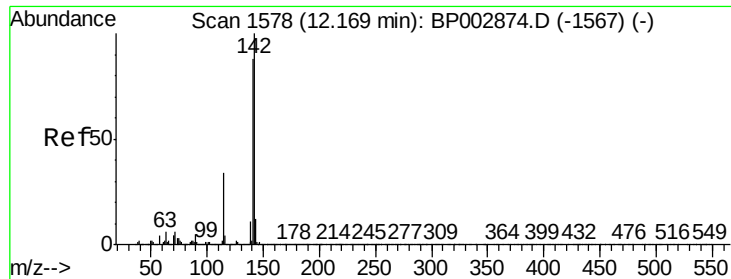
Tot Ion:139 Resp: 61
Ion Ratio Lower Upper
139 100
109 397.2 21.0 31.6#
65 282.8 27.2 40.8#



#32
Benzoic acid
Concen: 7.804 ng
RT: 9.74 min Scan# 1165
Delta R.T. -0.07 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion:122 Resp: 1683
Ion Ratio Lower Upper
122 100
105 131.0 96.2 136.2
77 161.4 55.6 95.6#

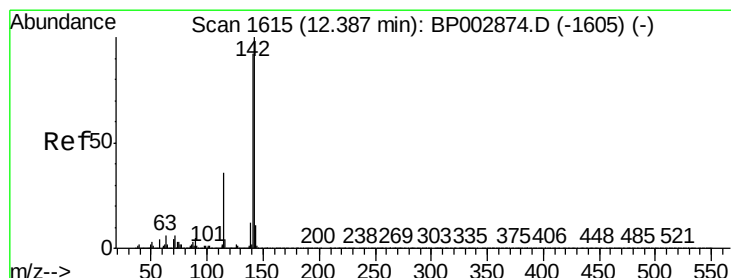
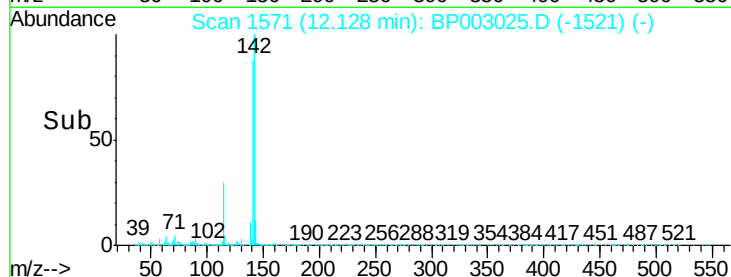
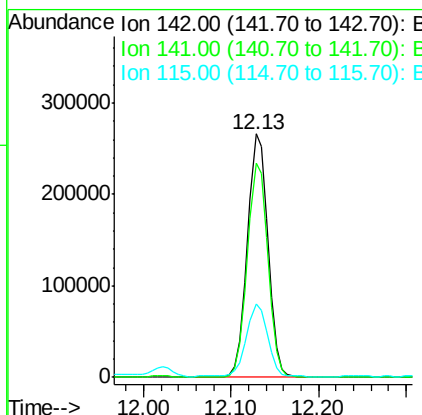
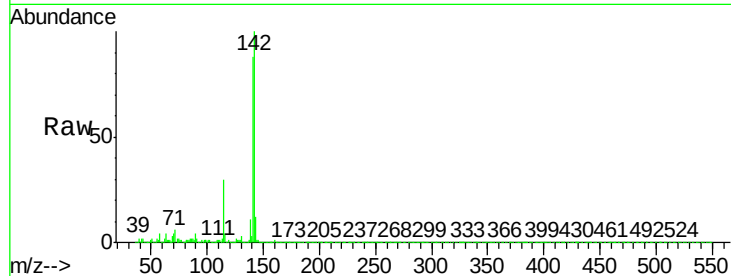




#37
2-Methylnaphthalene
Concen: 7.963 ng
RT: 12.13 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

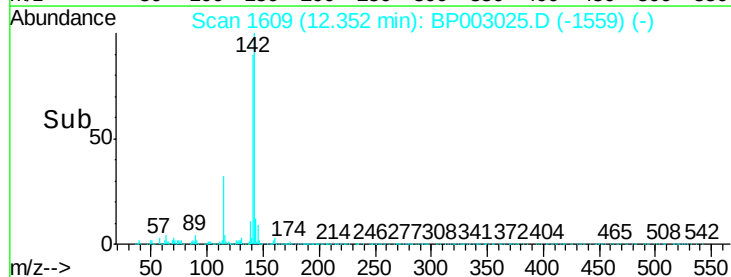
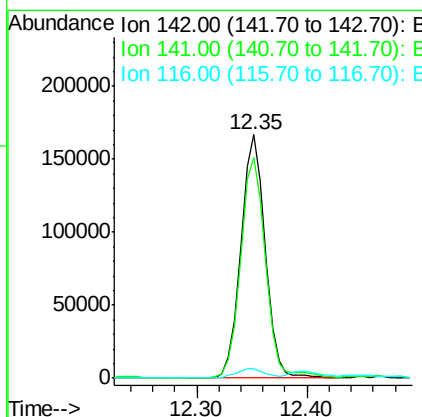
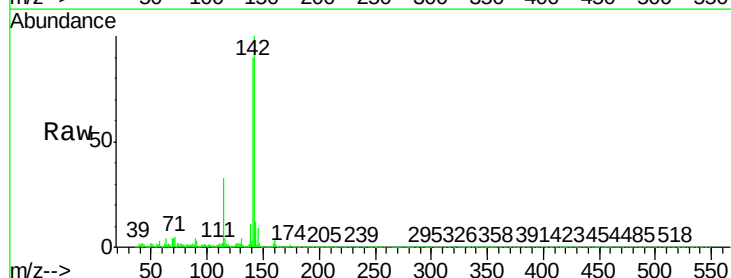
Instrument :
BNA_P
ClientSampleId :
W-1

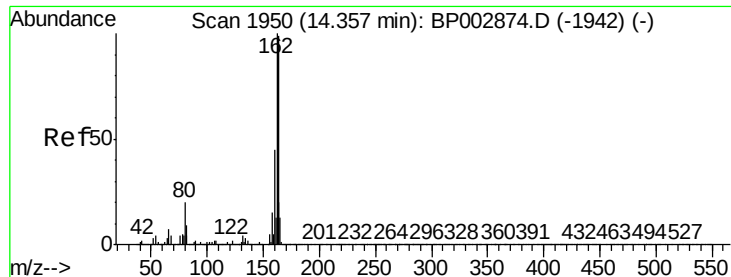
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.5	105.7
115	30.0	25.0	37.4



#38
1-Methylnaphthalene
Concen: 5.207 ng
RT: 12.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.5	110.3
116	3.7	2.8	4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BP003025.D

Acq: 18 Aug 2020 19:40

Instrument :

BNA_P

ClientSampleId :

W-1

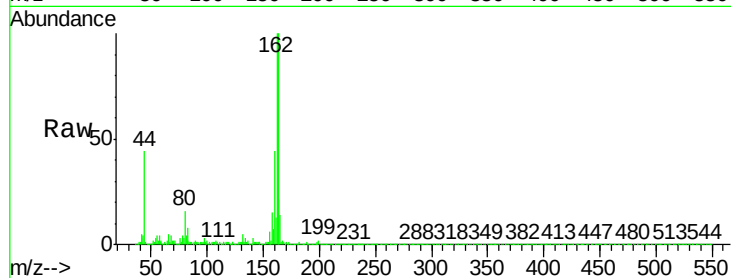
Tot Ion:164 Resp: 735969

Ion Ratio Lower Upper

164 100

162 100.4 81.4 122.0

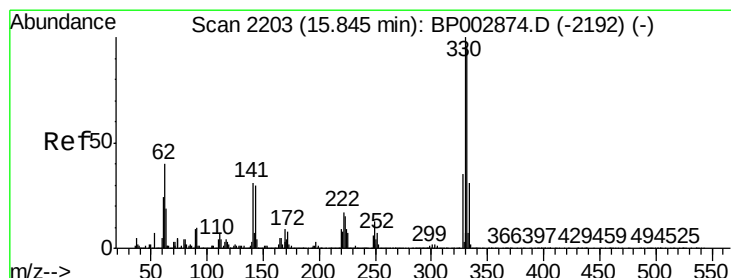
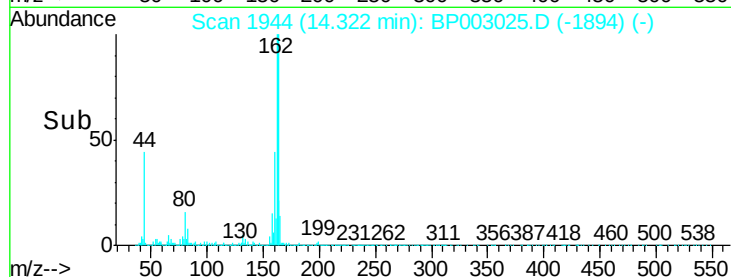
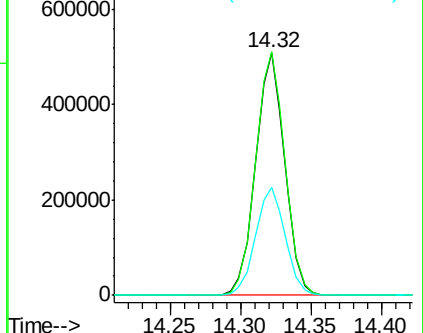
160 44.6 35.5 53.3



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: 112.317 ng

RT: 15.82 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BP003025.D

Acq: 18 Aug 2020 19:40

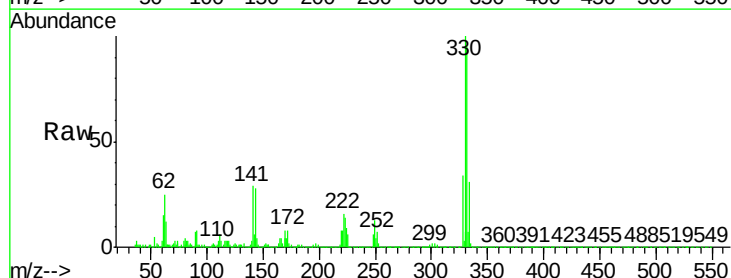
Tgt Ion:330 Resp: 1027388

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

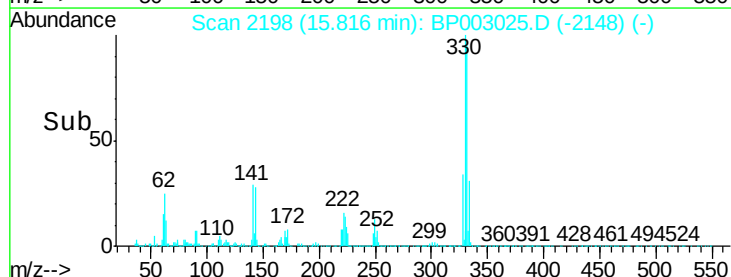
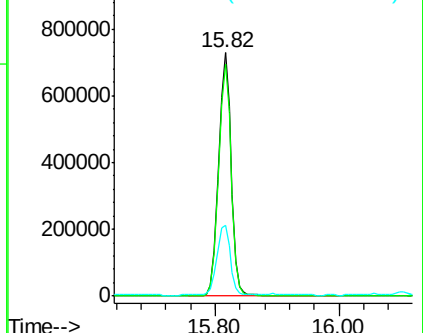
141 30.3 26.7 40.1

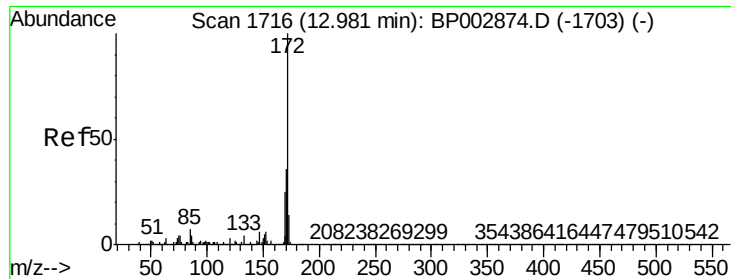


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

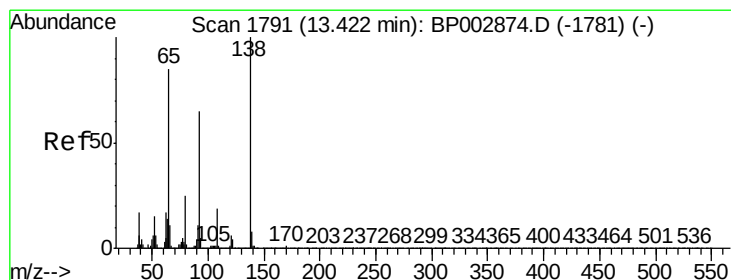
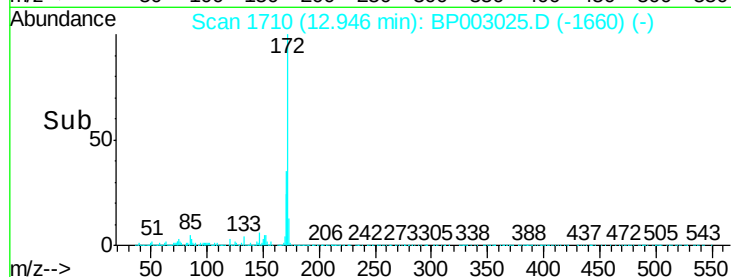
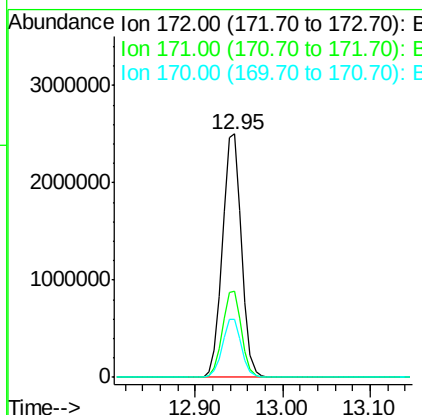
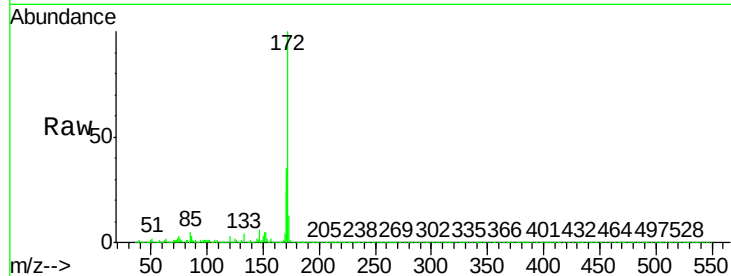




#45
2-Fluorobiphenyl
Concen: 69.784 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

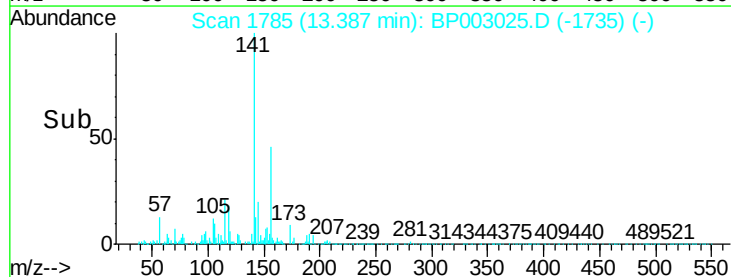
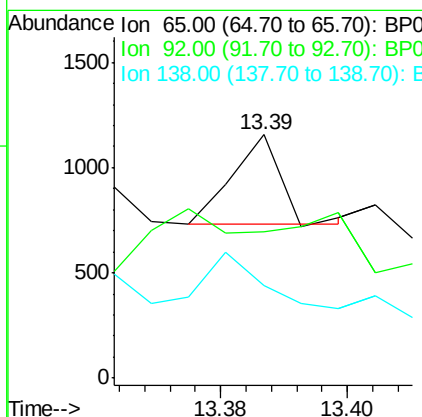
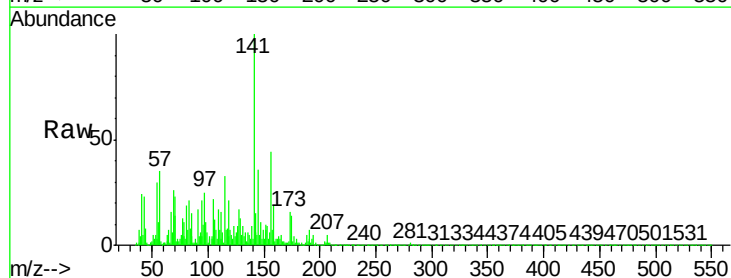
Instrument :
BNA_P
ClientSampleId :
W-1

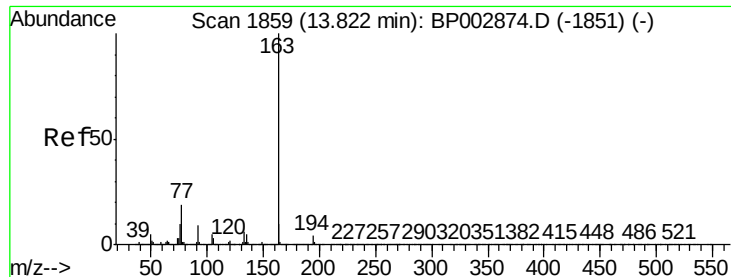
Tot Ion:172 Resp: 3758958
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 23.6 19.1 28.7



#48
2-Nitroaniline
Concen: 3.989 ng
RT: 13.39 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion: 65 Resp: 221
Ion Ratio Lower Upper
65 100
92 59.9 70.1 105.1#
138 38.1 129.7 194.5#





#50

Dimethylphthalate

Concen: 6.177 ng

RT: 13.78 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BP003025.D

Acq: 18 Aug 2020 19:40

Instrument :

BNA_P

ClientSampleId :

W-1

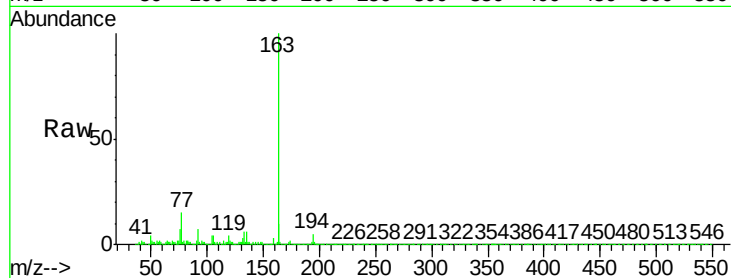
Tot Ion:163 Resp: 355579

Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

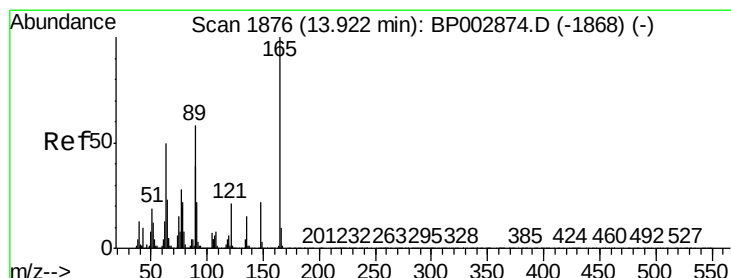
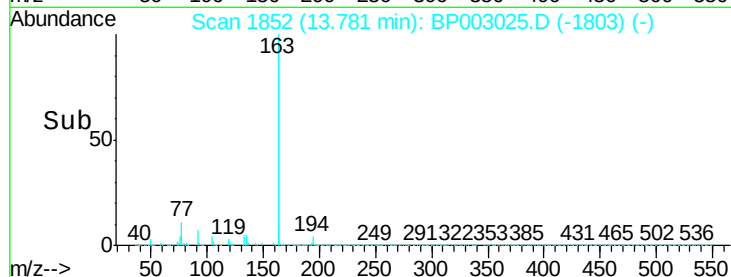
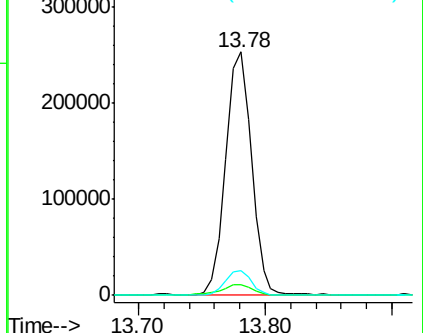
164 10.2 8.1 12.1



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



#51

2,6-Dinitrotoluene

Concen: 2.924 ng

RT: 13.96 min Scan# 1882

Delta R.T. 0.06 min

Lab File: BP003025.D

Acq: 18 Aug 2020 19:40

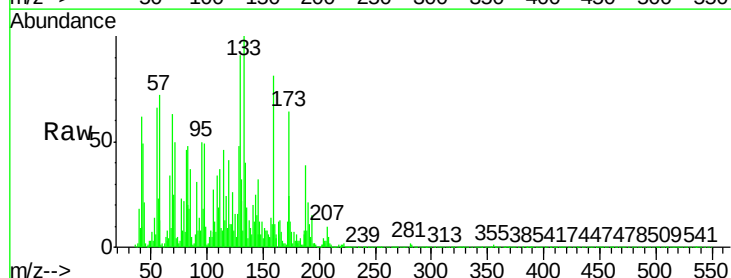
Tgt Ion:165 Resp: 347

Ion Ratio Lower Upper

165 100

63 34.3 28.1 42.1

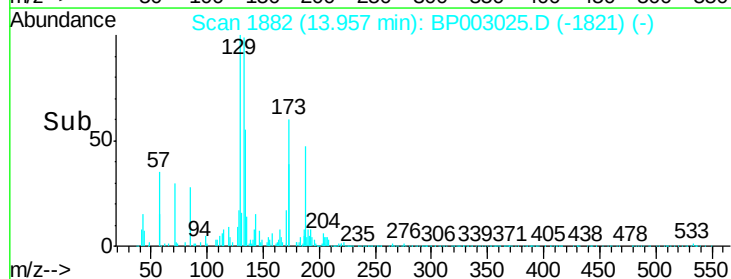
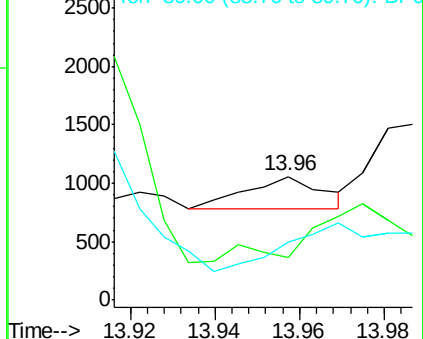
89 46.5 34.5 51.7

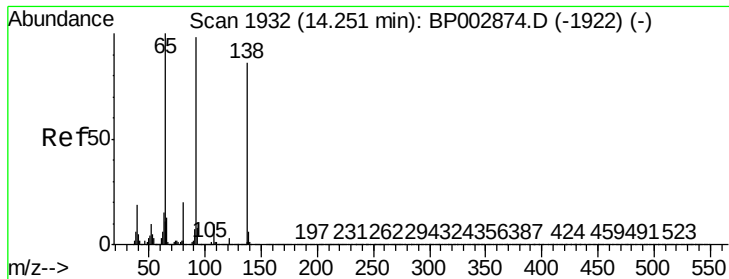


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

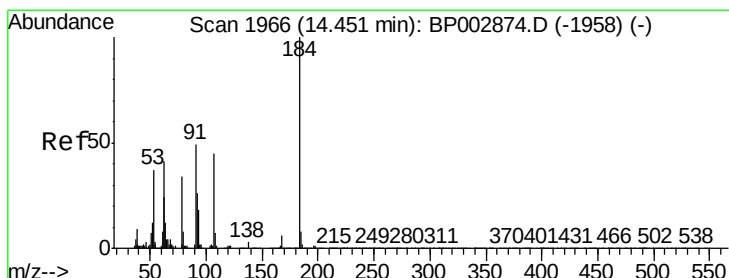
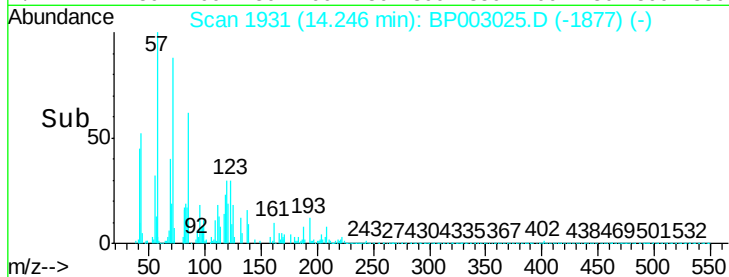
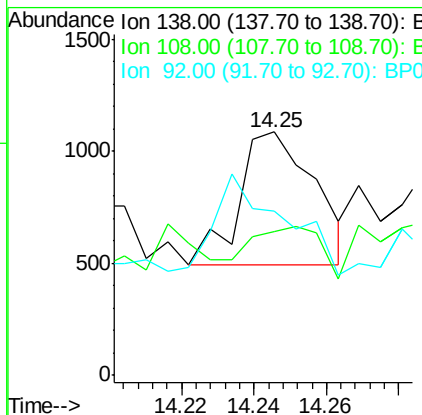
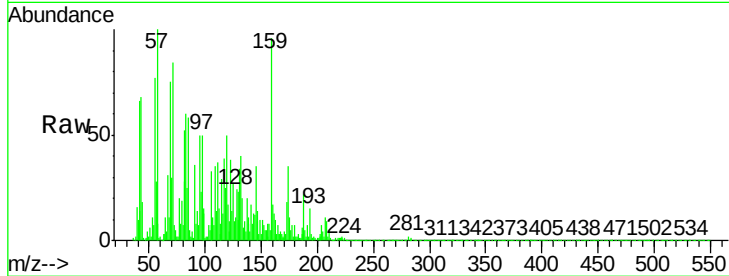




#53
3-Nitroaniline
Concen: 3.332 ng
RT: 14.25 min Scan# 1931
Delta R.T. 0.02 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

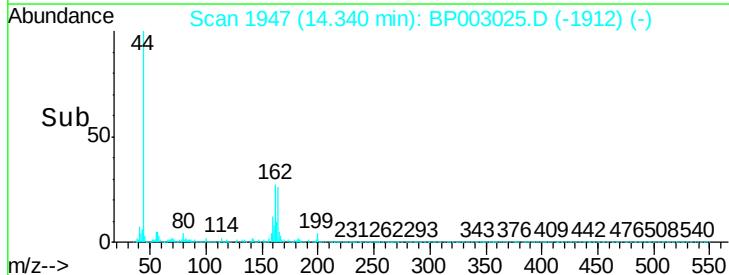
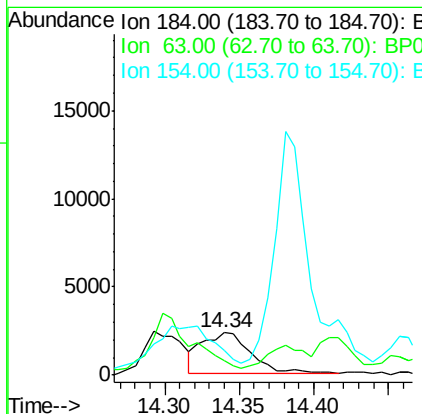
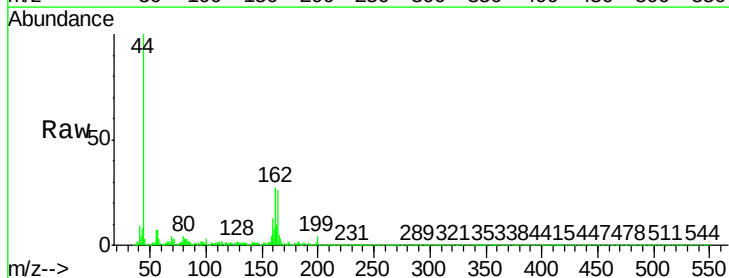
Instrument :
BNA_P
ClientSampleId :
W-1

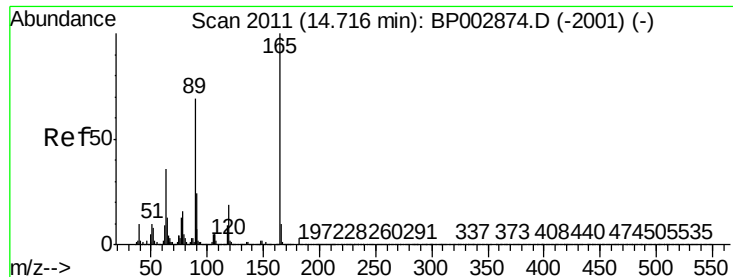
Tot Ion:138 Resp: 862
Ion Ratio Lower Upper
138 100
108 58.8 7.7 11.5#
92 67.3 75.6 113.4#



#54
2,4-Dinitrophenol
Concen: 8.931 ng
RT: 14.34 min Scan# 1947
Delta R.T. -0.09 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion:184 Resp: 5313
Ion Ratio Lower Upper
184 100
63 33.9 33.0 49.6
154 58.9 46.8 70.2

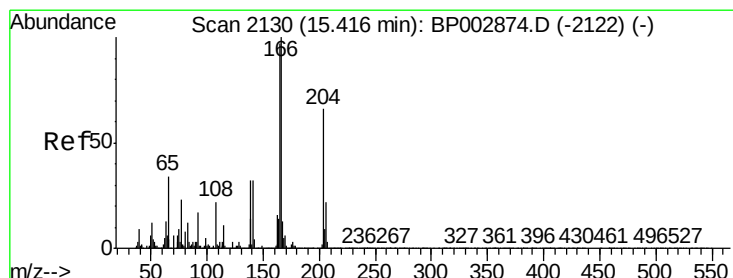
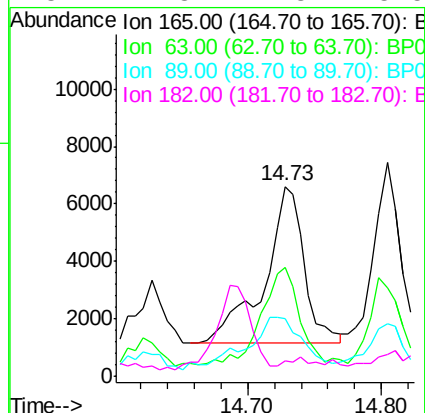
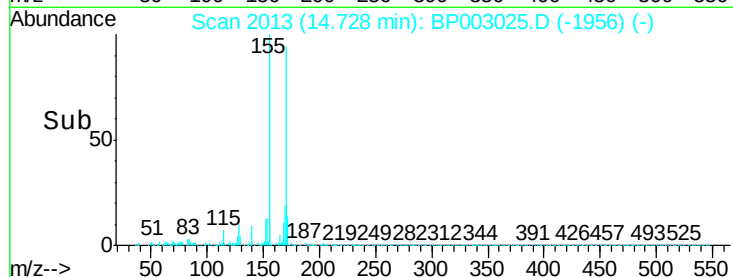
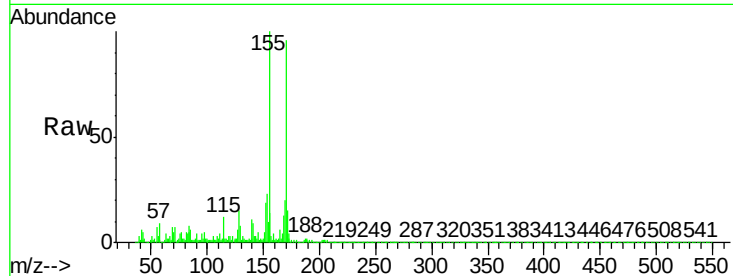




#57
2,4-Dinitrotoluene
Concen: 4.415 ng
RT: 14.73 min Scan# 2013
Delta R.T. 0.04 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

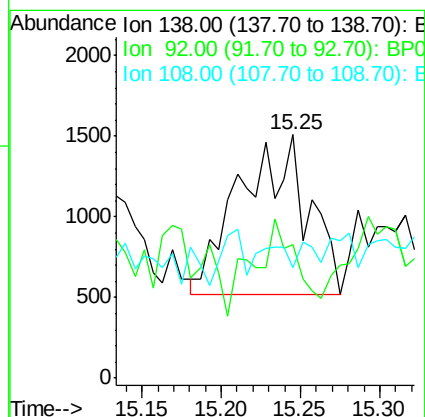
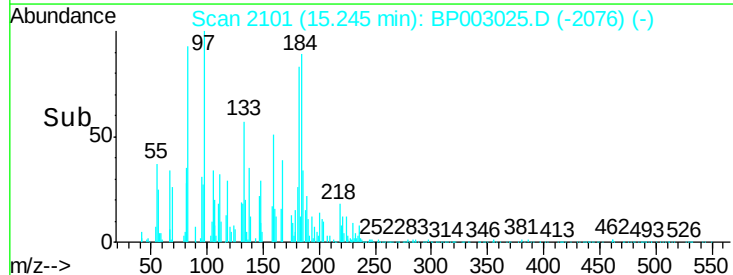
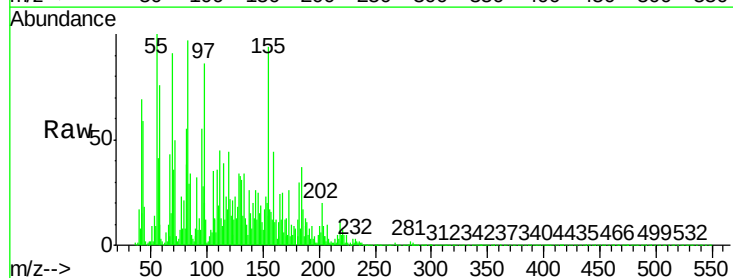
Instrument :
BNA_P
ClientSampleId :
W-1

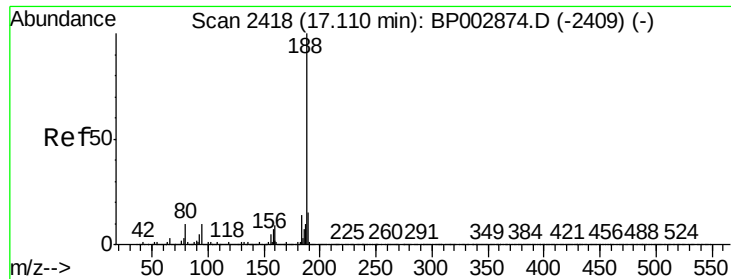
Tot Ion:165 Resp: 11317
Ion Ratio Lower Upper
165 100
63 57.4 20.6 31.0#
89 30.5 43.4 65.0#
182 7.8 2.3 3.5#



#62
4-Nitroaniline
Concen: 2.625 ng
RT: 15.25 min Scan# 2101
Delta R.T. -0.15 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion:138 Resp: 2941
Ion Ratio Lower Upper
138 100
92 54.8 21.4 61.4
108 45.4 40.8 80.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BP003025.D

Acq: 18 Aug 2020 19:40

Instrument :

BNA_P

ClientSampled :

W-1

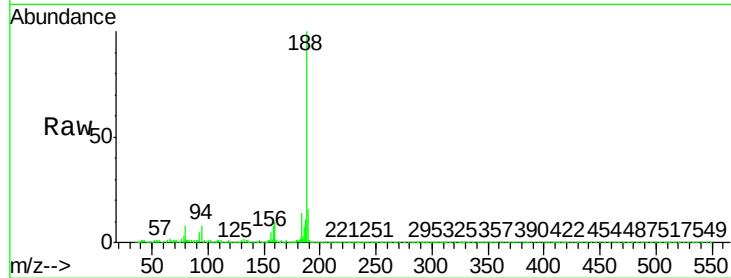
Tot Ion:188 Resp: 1524506

Ion Ratio Lower Upper

188 100

94 8.4 7.1 10.7

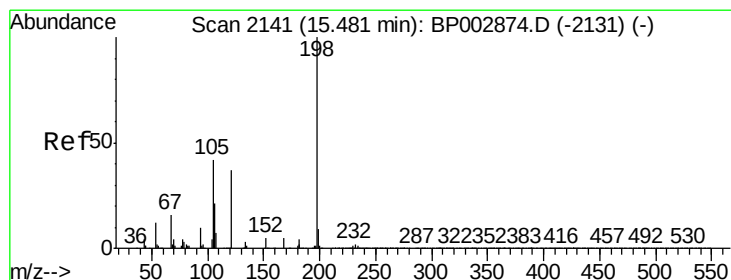
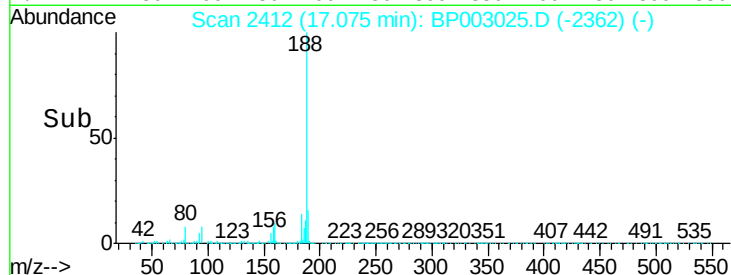
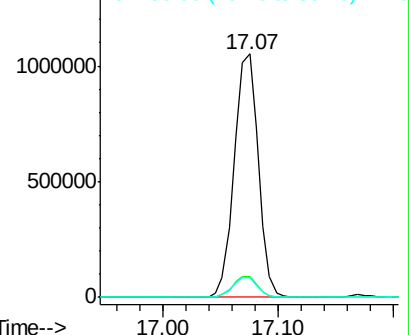
80 8.2 6.7 10.1



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: 6.911 ng

RT: 15.46 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BP003025.D

Acq: 18 Aug 2020 19:40

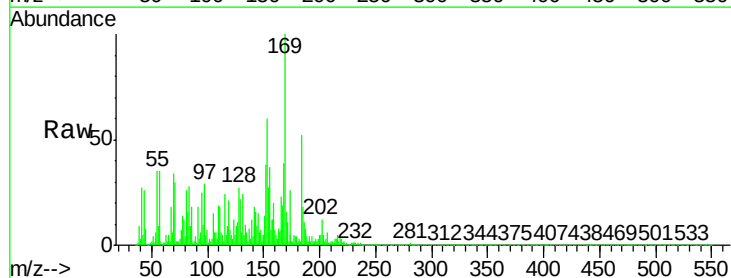
Tgt Ion:198 Resp: 101

Ion Ratio Lower Upper

198 100

51 330.6 6.2 46.2#

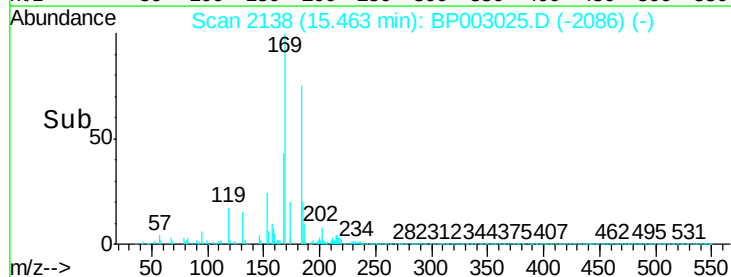
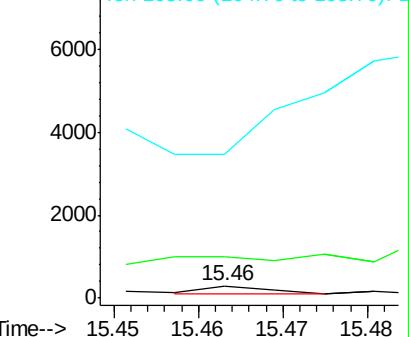
105 1148.2 19.9 59.9#

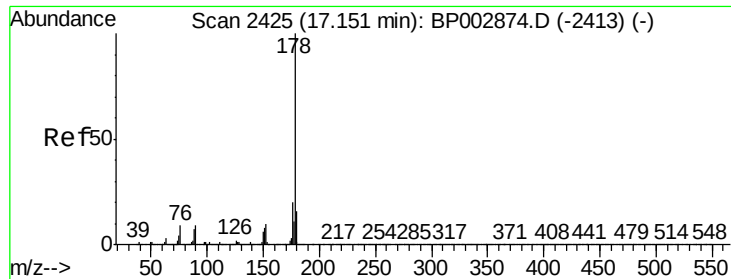


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

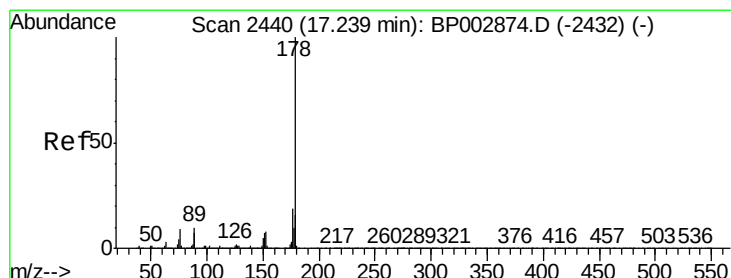
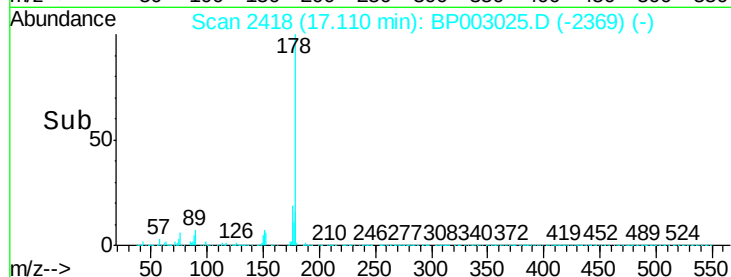
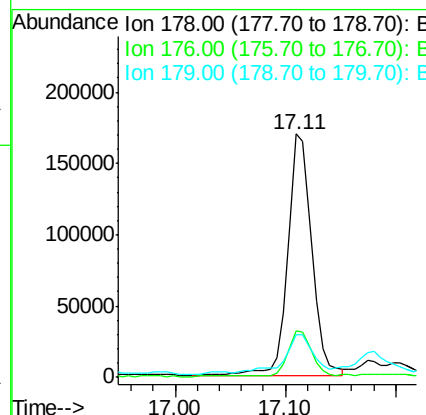
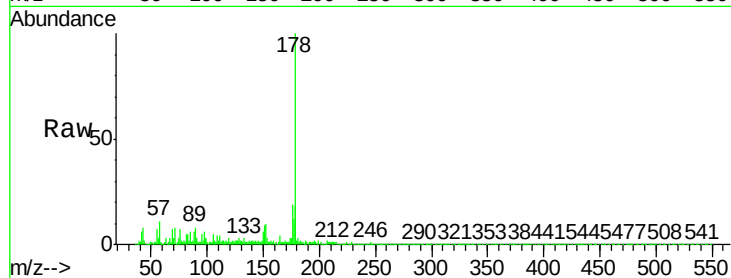




#71
Phenanthrene
Concen: 2.835 ng
RT: 17.11 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

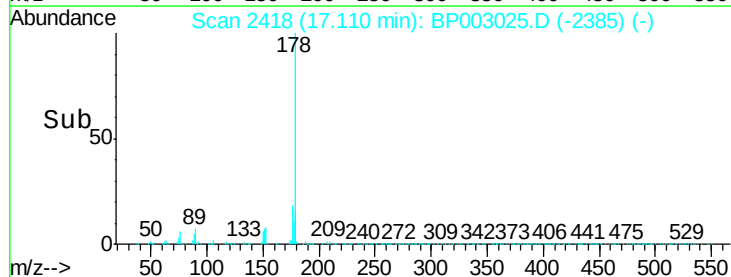
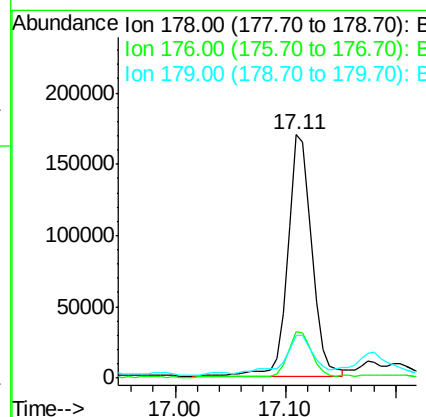
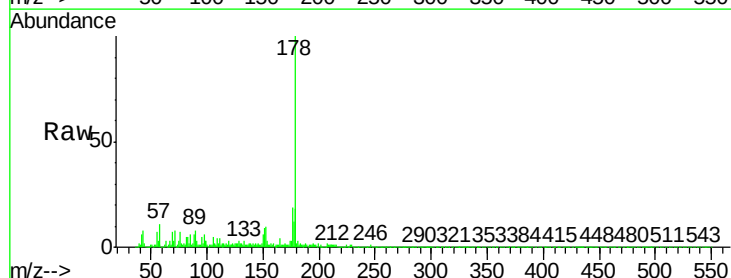
Instrument :
BNA_P
ClientSampleId :
W-1

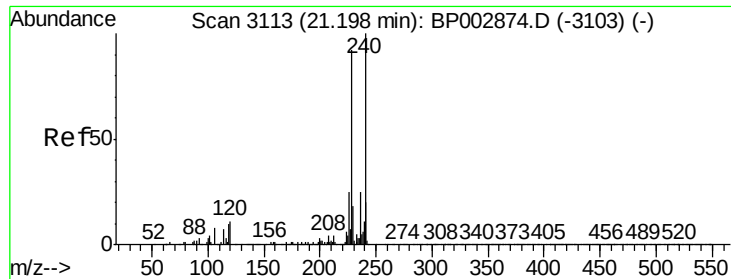
Tot Ion:178 Resp: 253408
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 17.7 12.9 19.3



#72
Anthracene
Concen: 2.900 ng
RT: 17.11 min Scan# 2418
Delta R.T. -0.11 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion:178 Resp: 253408
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 17.7 12.7 19.1

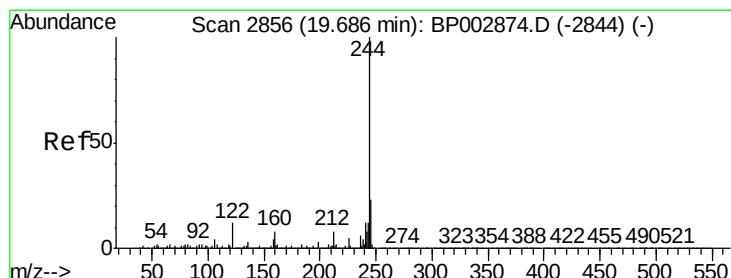
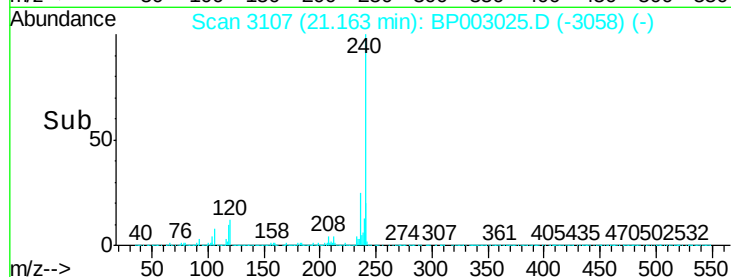
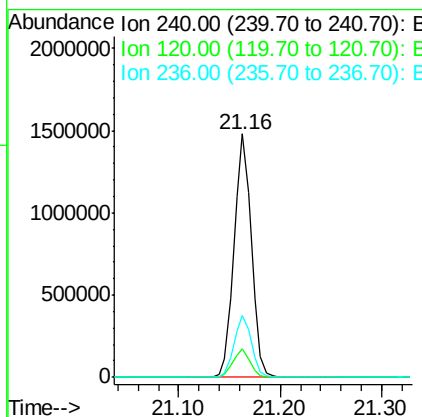
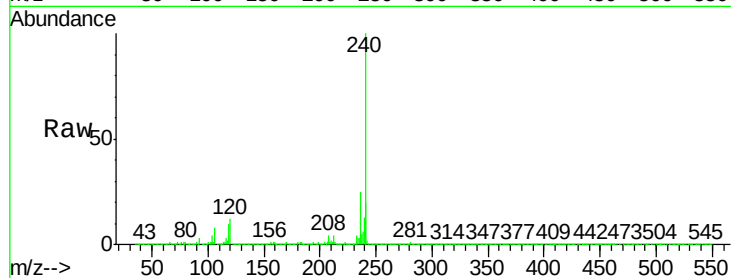




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

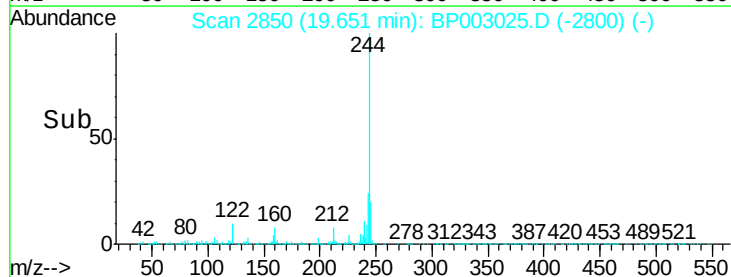
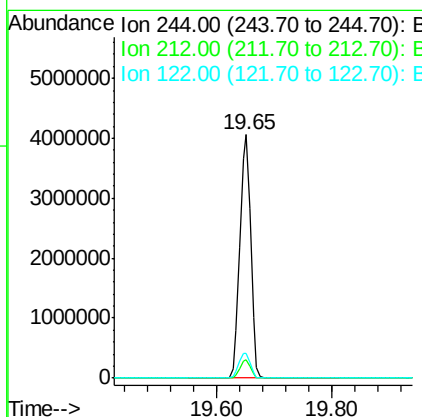
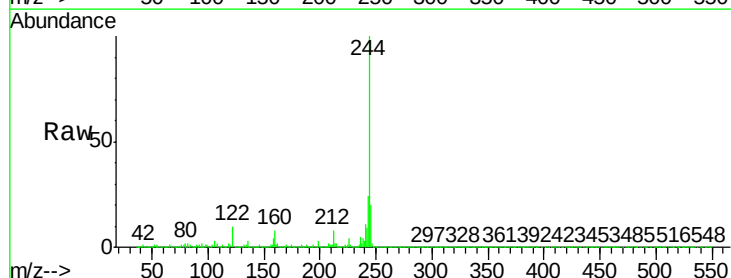
Instrument :
BNA_P
ClientSampleId :
W-1

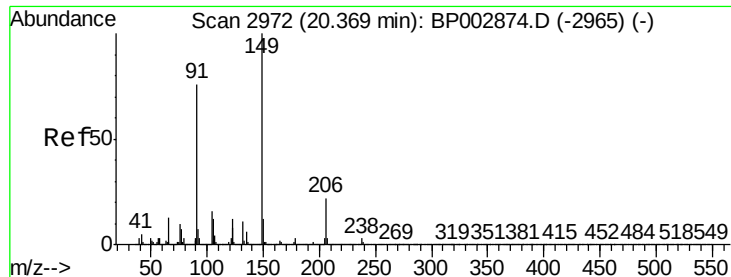
Tot Ion:240 Resp: 1751180
Ion Ratio Lower Upper
240 100
120 11.7 9.5 14.3
236 25.2 20.8 31.2



#79
Terphenyl-d14
Concen: 60.308 ng
RT: 19.65 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion:244 Resp: 5275340
Ion Ratio Lower Upper
244 100
212 7.6 6.3 9.5
122 10.1 8.7 13.1

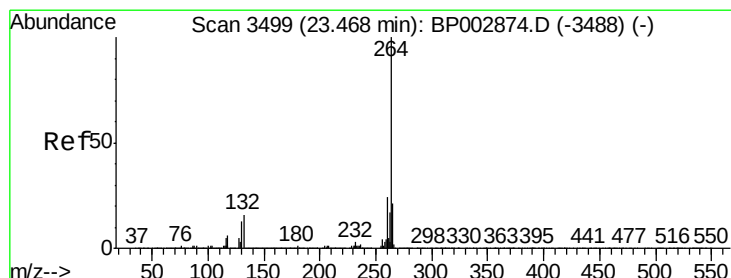
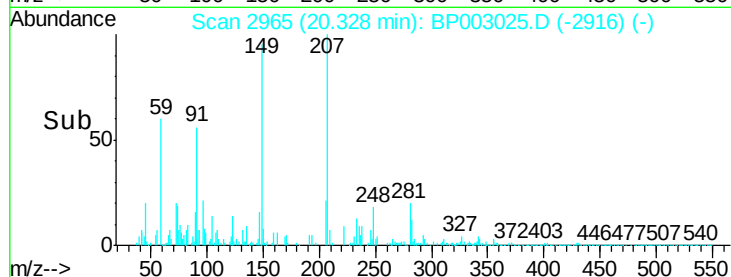
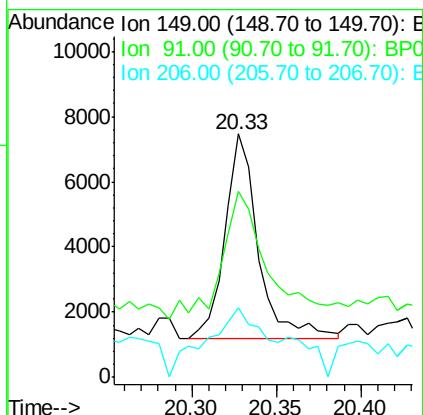
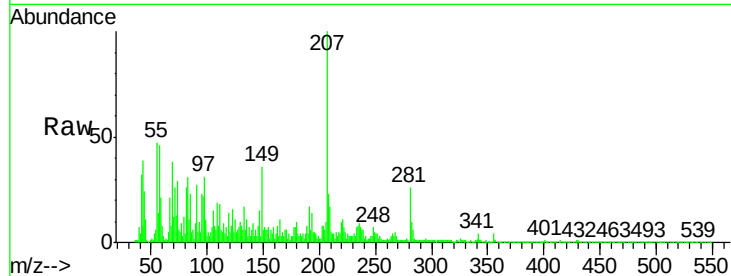




#80
Butylbenzylphthalate
Concen: 3.218 ng
RT: 20.33 min Scan# 2965
Delta R.T. -0.01 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Instrument :
BNA_P
ClientSampleId :
W-1

Tot Ion:149 Resp: 8504
Ion Ratio Lower Upper
149 100
91 76.2 45.3 67.9#
206 28.7 17.5 26.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3488
Delta R.T. -0.02 min
Lab File: BP003025.D
Acq: 18 Aug 2020 19:40

Tgt Ion:264 Resp: 1756742
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.6 17.3 25.9

