

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
 Data File : BP003017.D
 Acq On : 18 Aug 2020 14:53
 Operator : CG/JU
 Sample : L3712-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 V-23615

Quant Time: Aug 18 18:43:32 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	7.69	152	371684	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1481696	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	756864	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	1722373	20.00	ng	0.00
76) Chrysene-d12	21.17	240	1649761	20.00	ng	0.00
86) Perylene-d12	23.42	264	1715570	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1505902	62.01	ng	0.00
7) Phenol-d6	6.86	99	1765848	52.37	ng	0.00
23) Nitrobenzene-d5	8.83	82	960073	35.09	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	621727	66.09	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	2392640	43.19	ng	0.00
79) Terphenyl-d14	19.65	244	3179045	38.58	ng	0.00

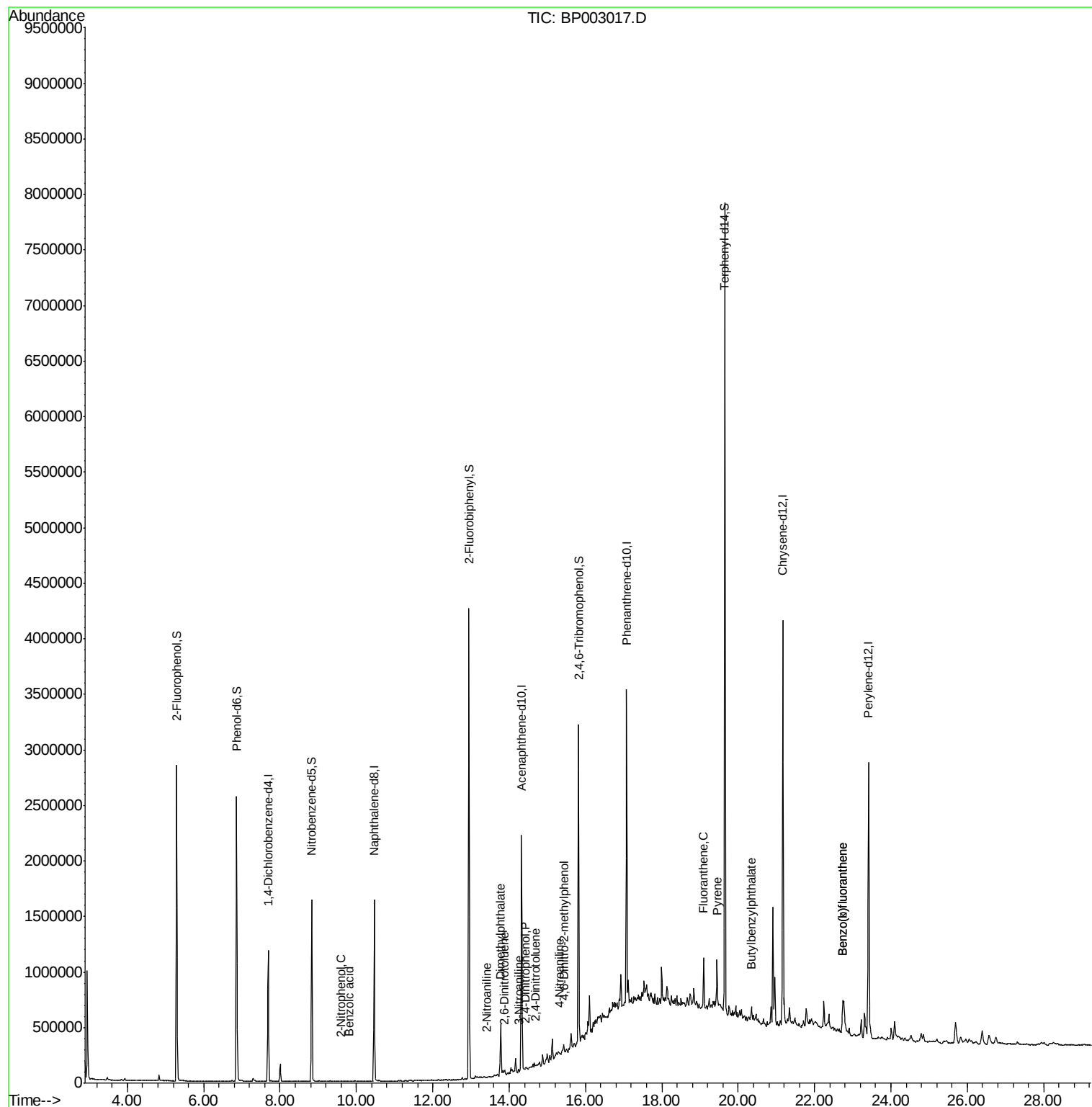
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	9.59	139	47	4.524	ng	# 1
32) Benzoic acid	9.80	122	778	7.733	ng	91
48) 2-Nitroaniline	13.39	65	49	3.975	ng	# 44
50) Dimethylphthalate	13.78	163	332271	5.613	ng	99
51) 2,6-Dinitrotoluene	13.88	165	4380	3.208	ng	# 46
53) 3-Nitroaniline	14.25	138	1592	3.379	ng	# 34
54) 2,4-Dinitrophenol	14.43	184	34	8.063	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	327	3.823	ng	# 65
62) 4-Nitroaniline	15.31	138	247	2.433	ng	85
65) 4,6-Dinitro-2-methylphenol	15.42	198	545	6.952	ng	# 1
75) Fluoranthene	19.09	202	264015	2.269	ng	99
78) Pylene	19.45	202	254478	2.207	ng	97
80) Butylbenzylphthalate	20.33	149	5386	3.165	ng	# 53
88) Benzo(b)fluoranthene	22.74	252	254102	2.099	ng	98
89) Benzo(k)fluoranthene	22.74	252	254102	2.221	ng	98

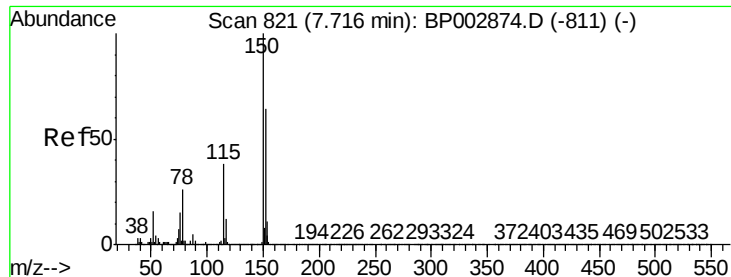
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.69 min Scan# 816

Delta R.T. 0.00 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

Instrument :

BNA_P

ClientSampleId :

V-23615

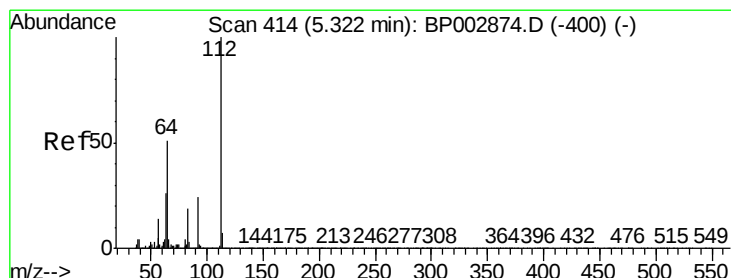
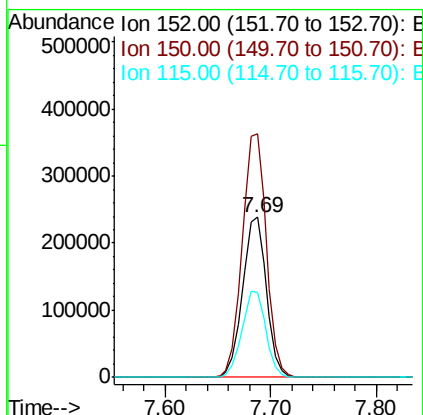
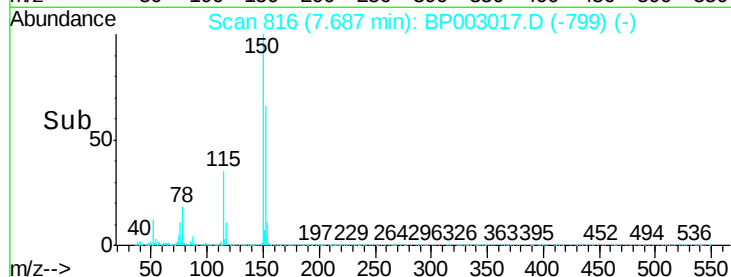
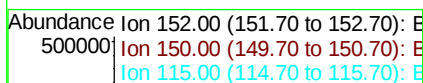
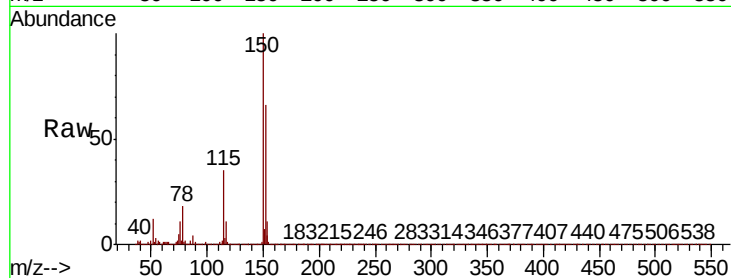
Tot Ion:152 Resp: 371684

Ion Ratio Lower Upper

152 100

150 152.3 126.1 189.1

115 53.1 43.4 65.2



#5

2-Fluorophenol

Concen: 62.009 ng

RT: 5.29 min Scan# 409

Delta R.T. 0.00 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

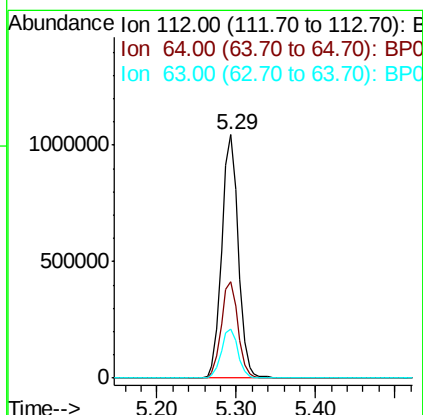
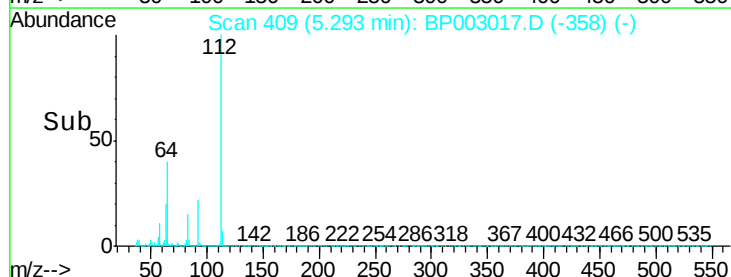
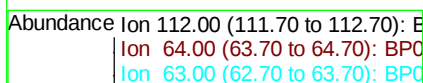
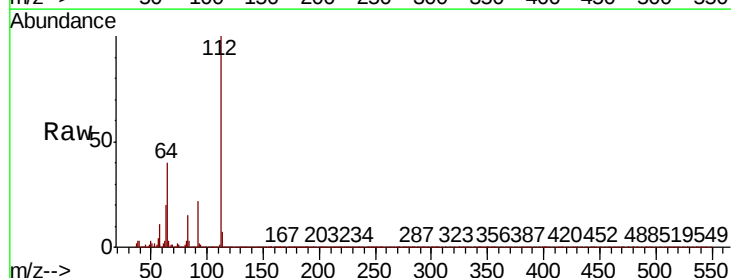
Tgt Ion:112 Resp: 1505902

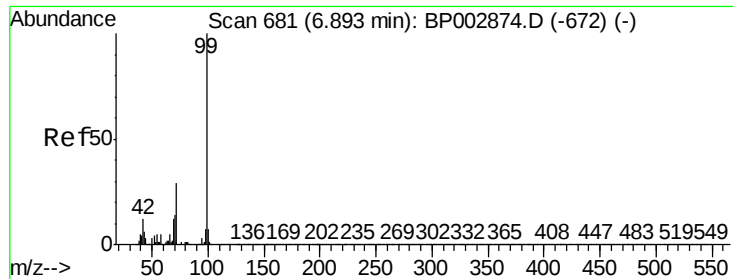
Ion Ratio Lower Upper

112 100

64 39.7 33.4 50.2

63 20.1 17.4 26.0





#7

Phenol-d6

Concen: 52.373 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

Instrument :

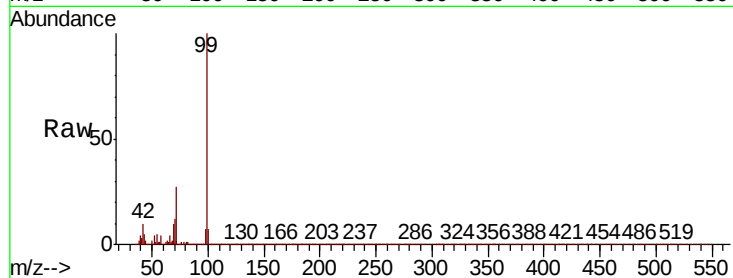
BNA_P

ClientSampleId :

V-23615

Tot Ion: 99 Resp: 1765848

Ion	Ratio	Lower	Upper
99	100		
42	9.8	8.0	12.0
71	26.8	21.3	31.9

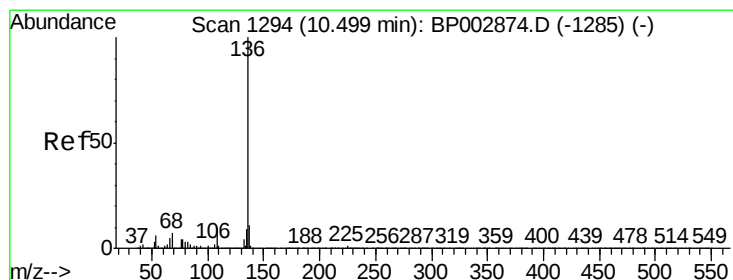
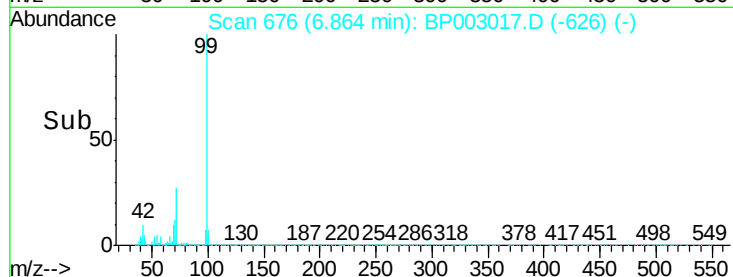
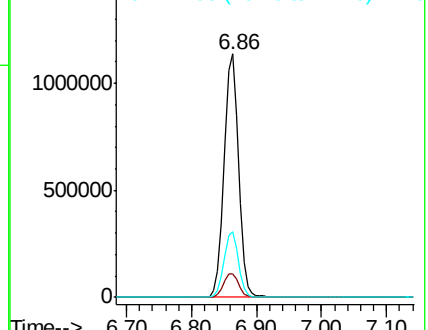


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1288

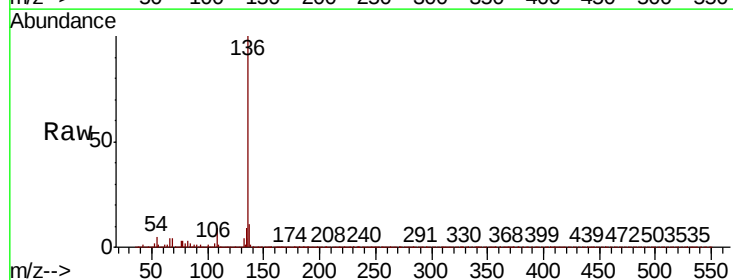
Delta R.T. -0.01 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

Tgt Ion: 136 Resp: 1481696

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	4.5	3.8	5.8
68	4.4	3.8	5.8



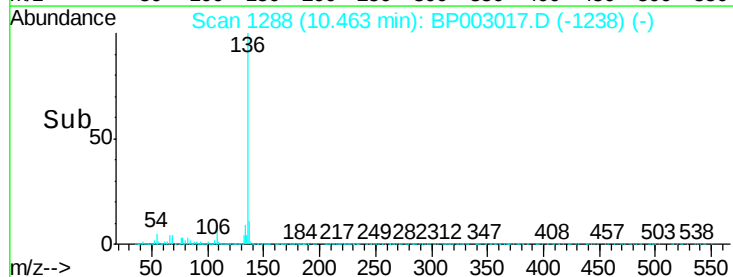
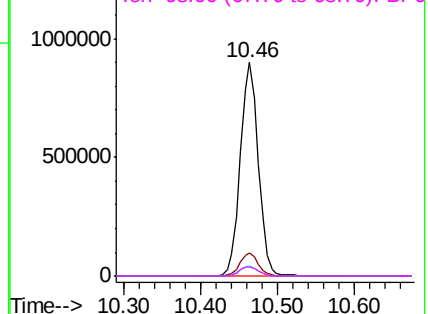
Abundance

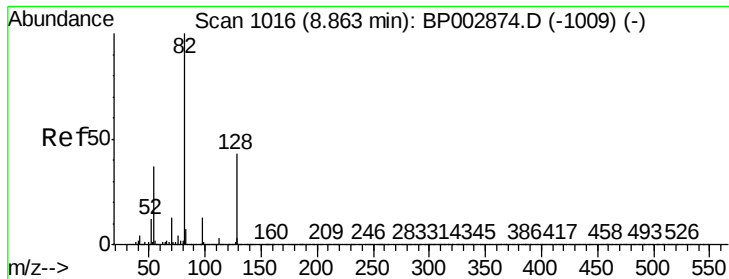
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

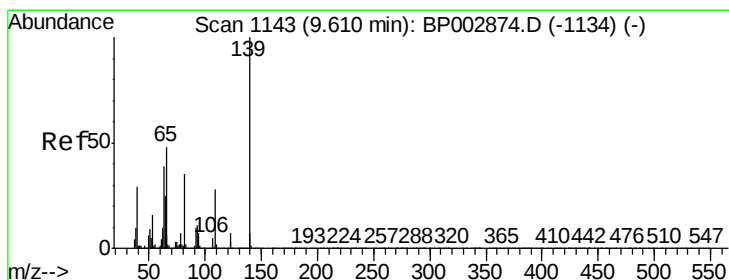
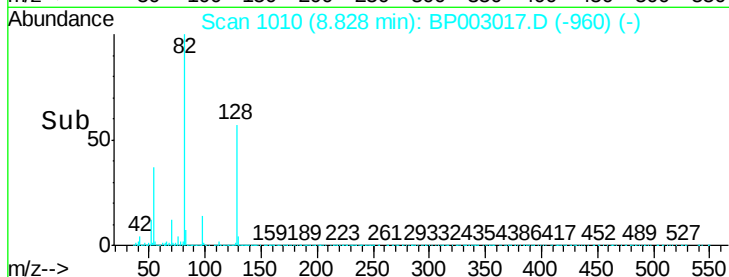
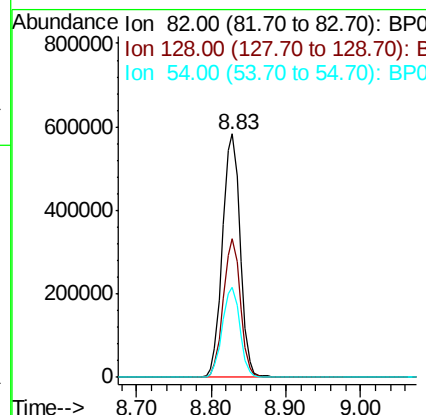
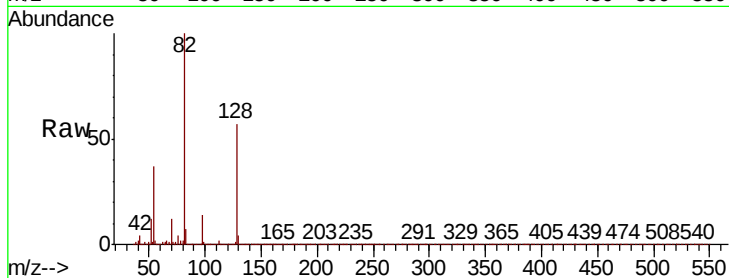




#23
 Nitrobenzene-d5
 Concen: 35.095 ng
 RT: 8.83 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BP003017.D
 Acq: 18 Aug 2020 14:53

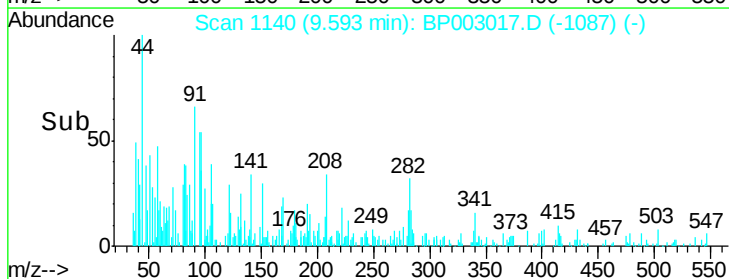
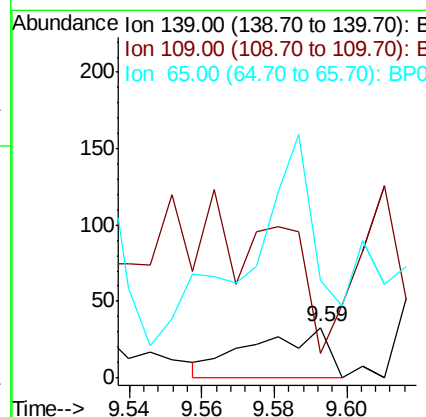
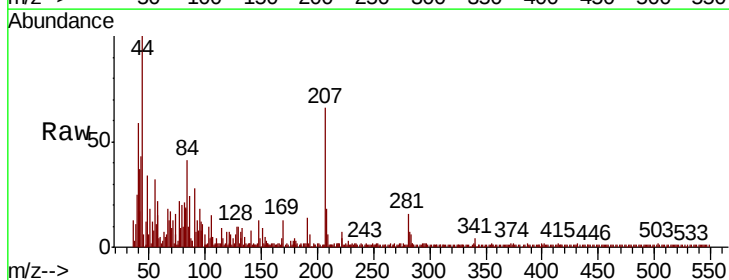
Instrument :
 BNA_P
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 V-23615

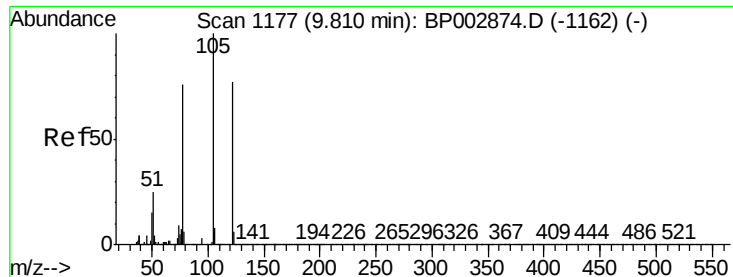
Tot Ion	82	Resp	960073
Ion Ratio	Lower	Upper	
82	100		
128	57.0	45.1	67.7
54	36.8	28.8	43.2



#26
 2-Nitrophenol
 Concen: 4.524 ng
 RT: 9.59 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: BP003017.D
 Acq: 18 Aug 2020 14:53

Tgt Ion	139	Resp	47
Ion Ratio	Lower	Upper	
139	100		
109	48.5	21.0	31.6#
65	193.9	27.2	40.8#

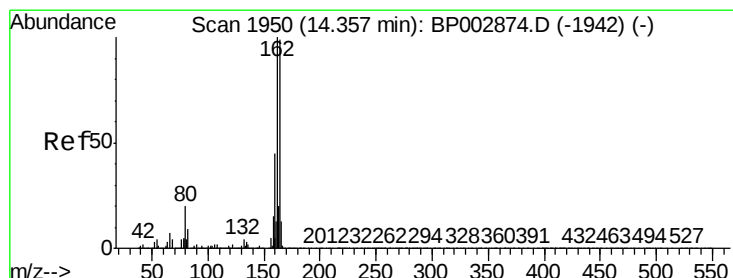
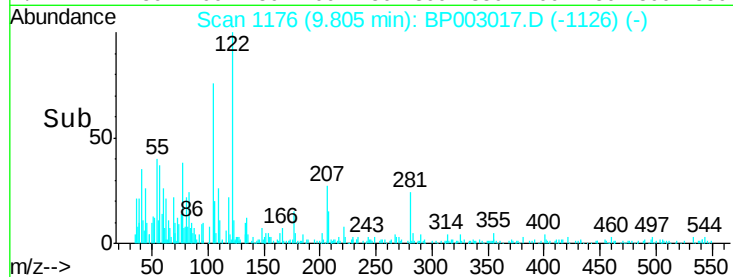
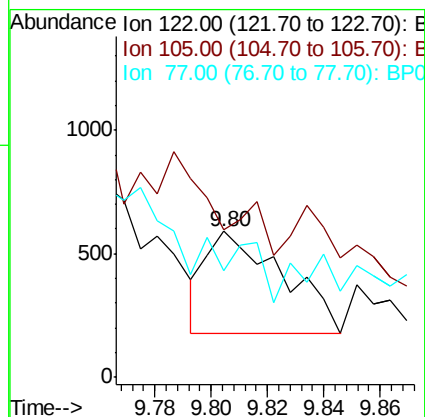
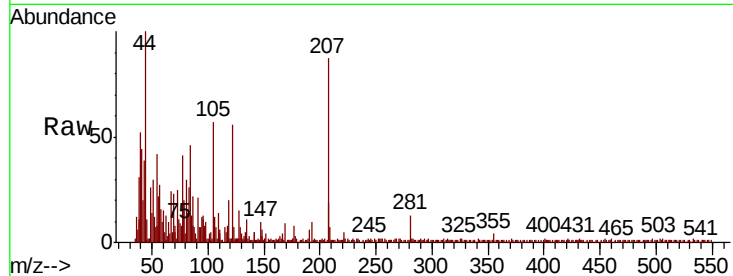




#32
Benzoic acid
Concen: 7.733 ng
RT: 9.80 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

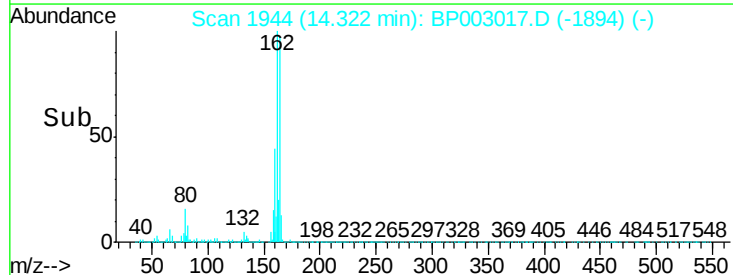
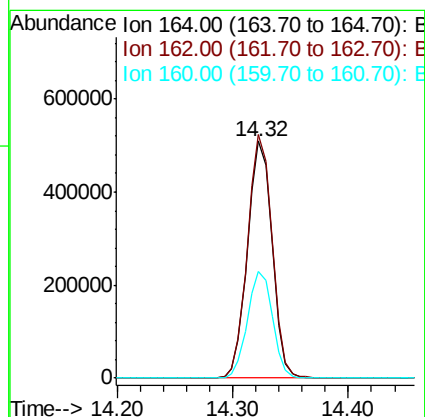
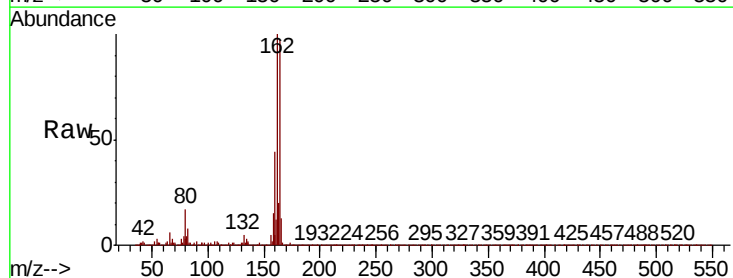
Instrument :
BNA_P
ClientSampleId :
V-23615

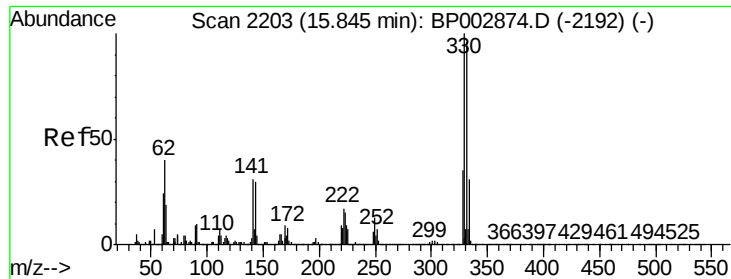
Tot Ion:122 Resp: 778
Ion Ratio Lower Upper
122 100
105 101.4 96.2 136.2
77 73.4 55.6 95.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

Tgt Ion:164 Resp: 756864
Ion Ratio Lower Upper
164 100
162 102.9 81.4 122.0
160 44.9 35.5 53.3

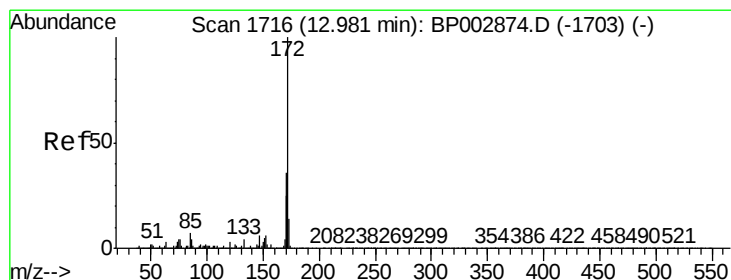
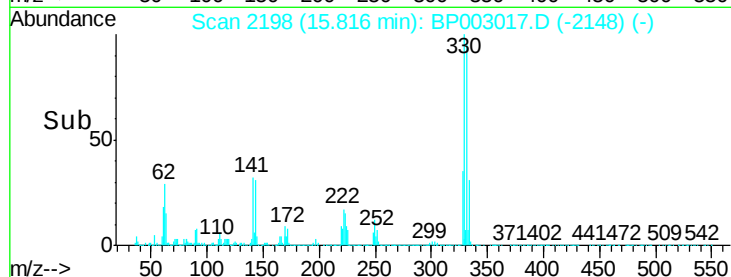
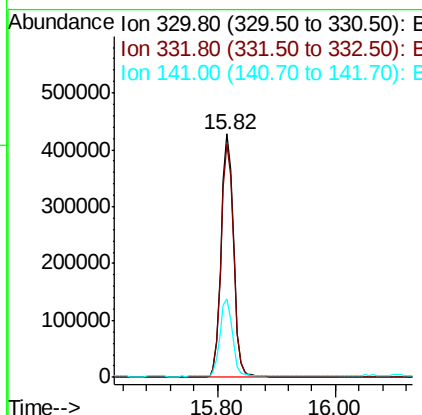
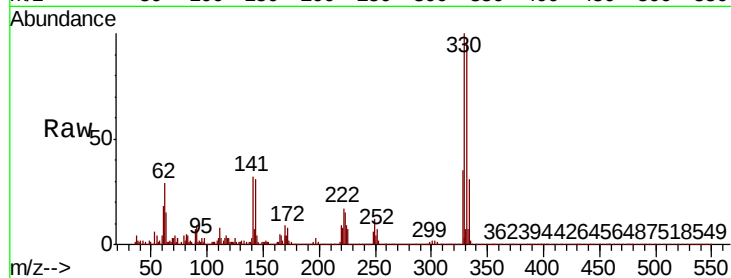




#42
2,4,6-Tribromophenol
Concen: 66.092 ng
RT: 15.82 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

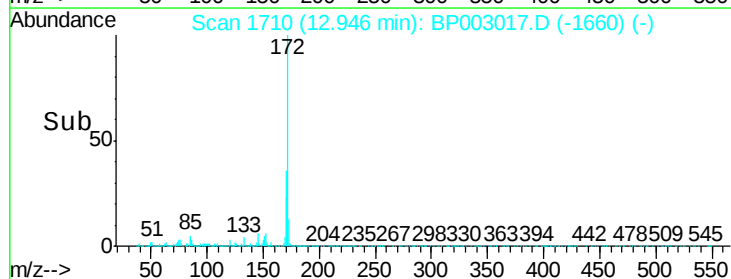
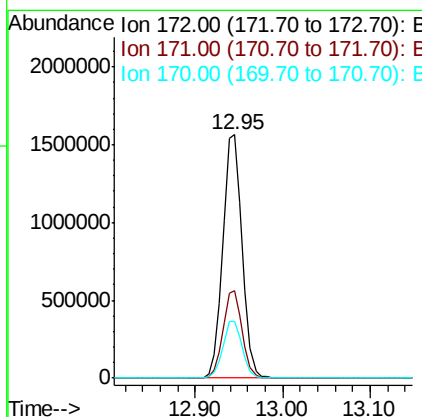
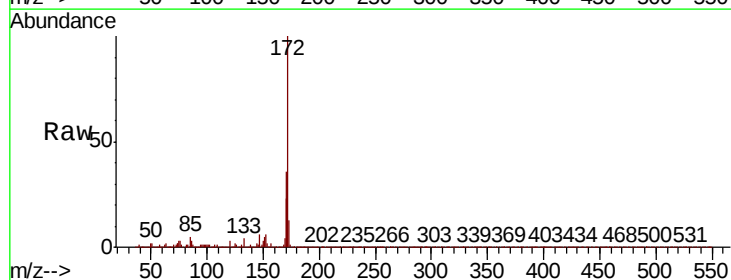
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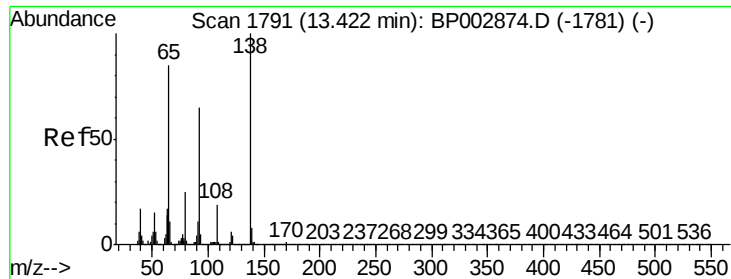
Tot Ion:330 Resp: 621727
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 31.7 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 43.192 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

Tgt Ion:172 Resp: 2392640
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.5 19.1 28.7





#48

2-Nitroaniline

Concen: 3.975 ng

RT: 13.39 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

Instrument :

BNA_P

ClientSampleId :

V-23615

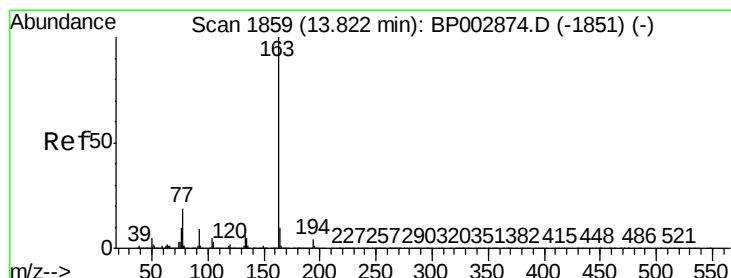
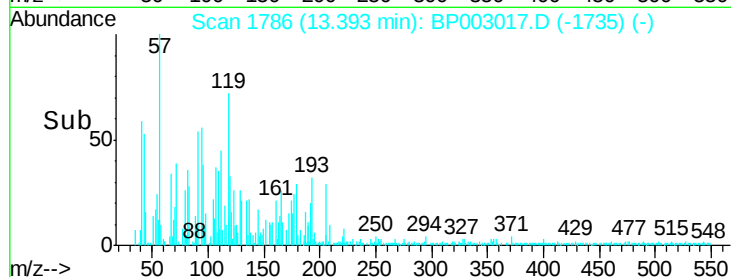
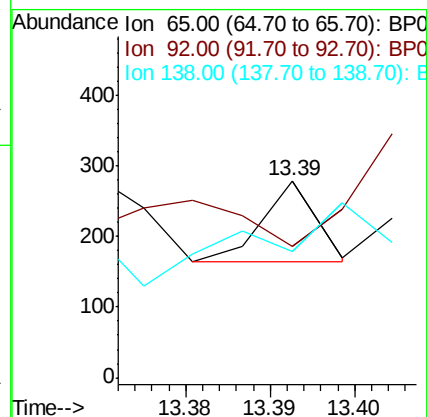
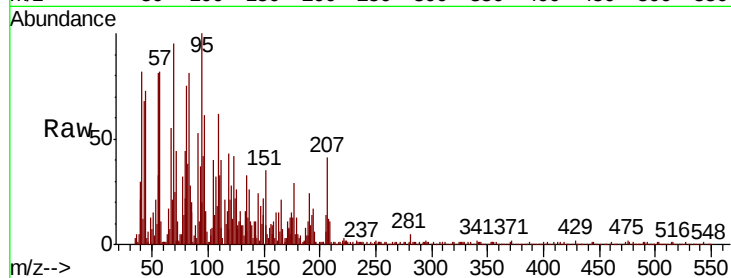
Tot Ion: 65 Resp: 49

Ion Ratio Lower Upper

65 100

92 66.7 70.1 105.1#

138 64.2 129.7 194.5#



#50

Dimethylphthalate

Concen: 5.613 ng

RT: 13.78 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

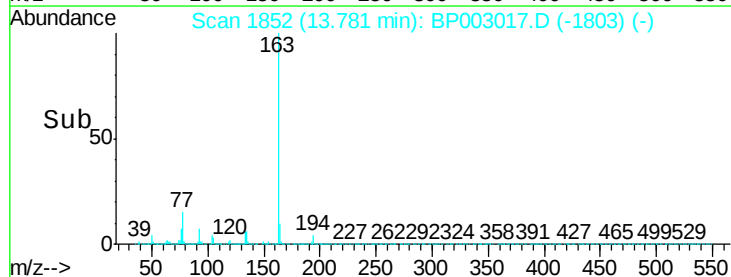
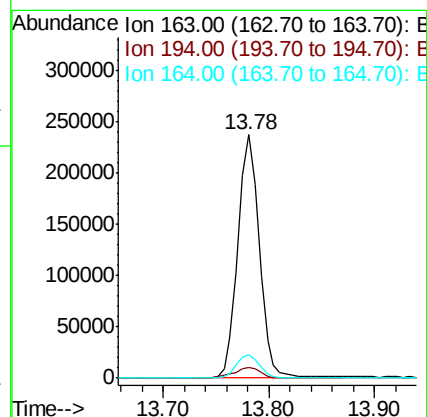
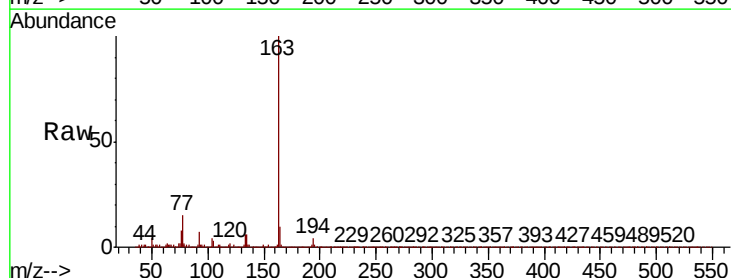
Tgt Ion: 163 Resp: 332271

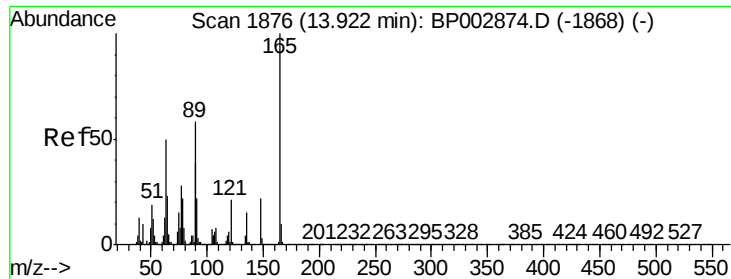
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.8 8.1 12.1

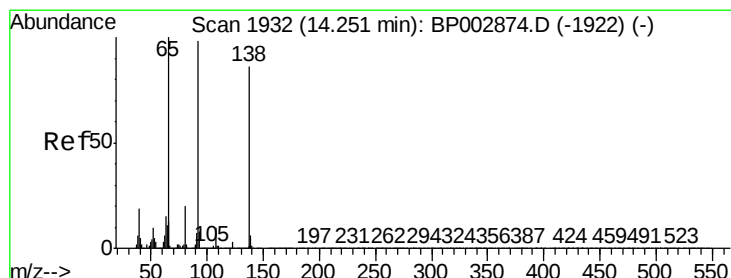
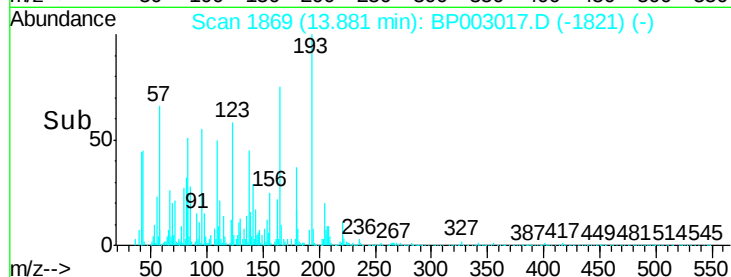
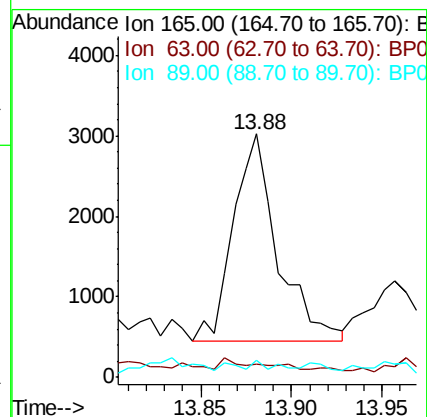
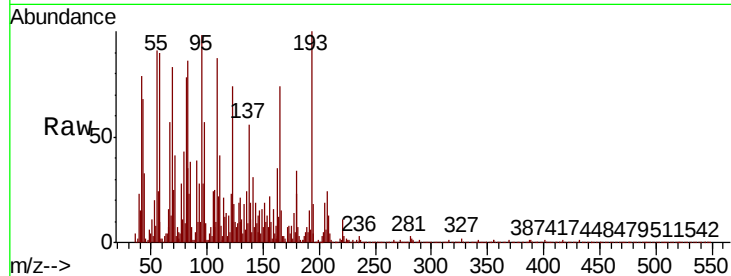




#51
2,6-Dinitrotoluene
Concen: 3.208 ng
RT: 13.88 min Scan# 1869
Delta R.T. -0.02 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

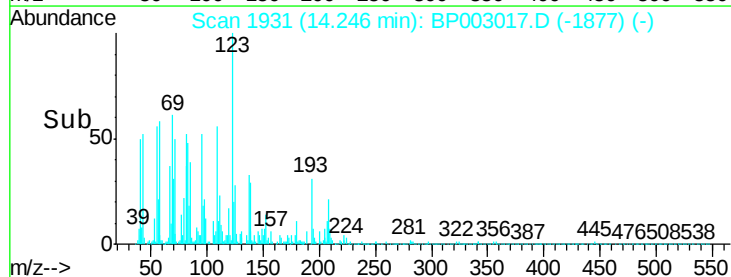
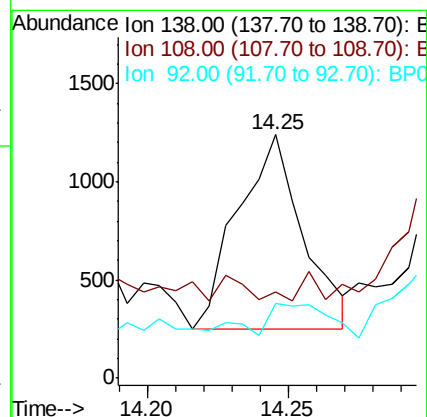
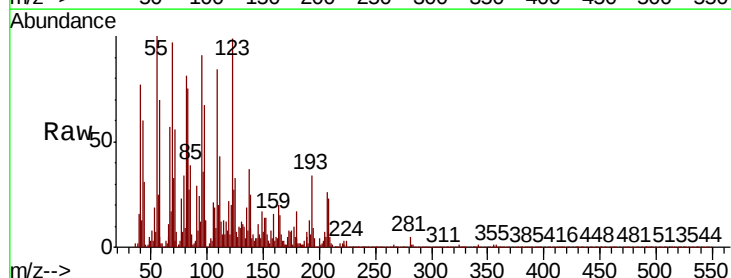
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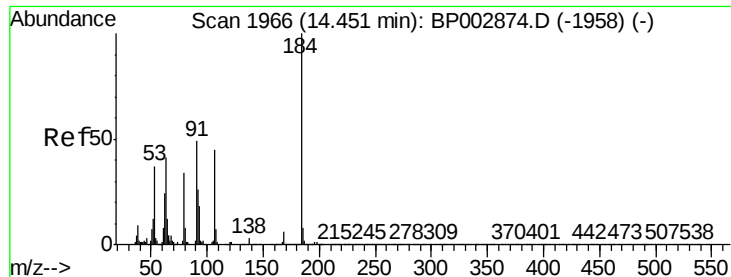
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Ion Ratio Lower Upper
165 100
63 5.2 28.1 42.1#
89 6.8 34.5 51.7#



#53
3-Nitroaniline
Concen: 3.379 ng
RT: 14.25 min Scan# 1931
Delta R.T. 0.02 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

Tgt Ion:138 Resp: 1592
Ion Ratio Lower Upper
138 100
108 35.2 7.7 11.5#
92 30.8 75.6 113.4#

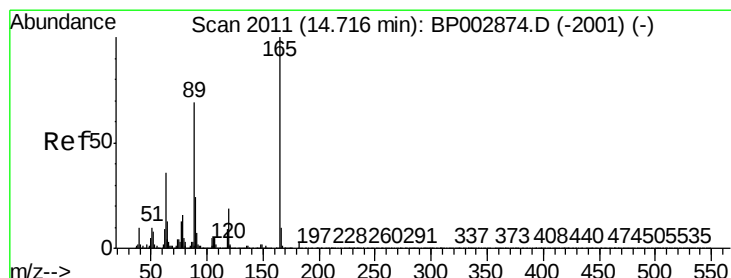
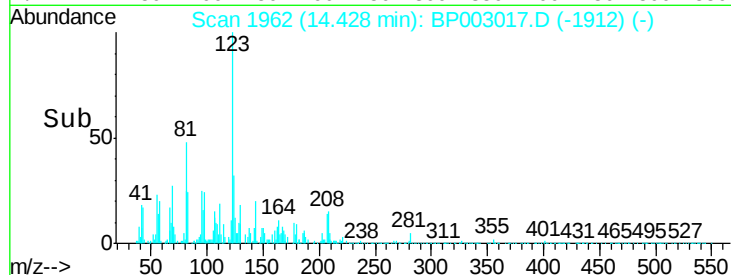
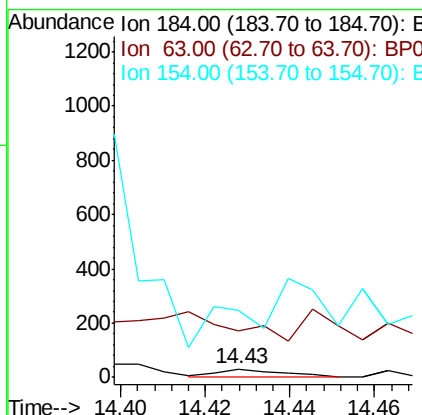
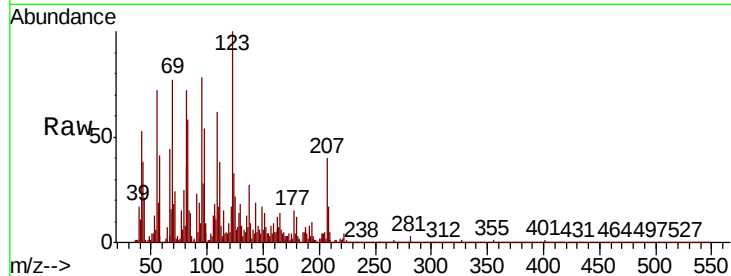




#54
2,4-Dinitrophenol
Concen: 8.063 ng
RT: 14.43 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

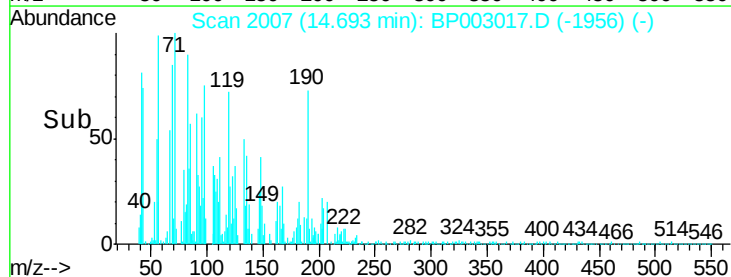
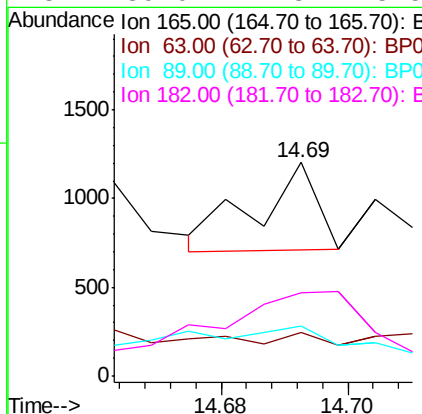
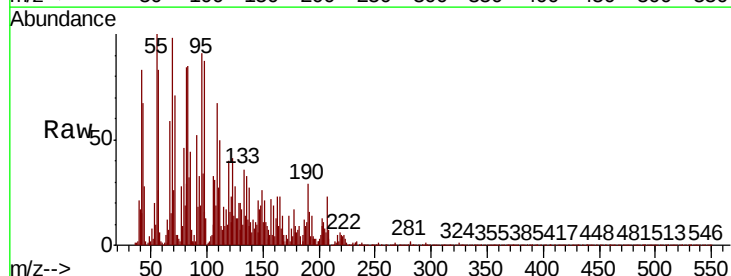
Instrument :
BNA_P
ClientSampleId :
V-23615

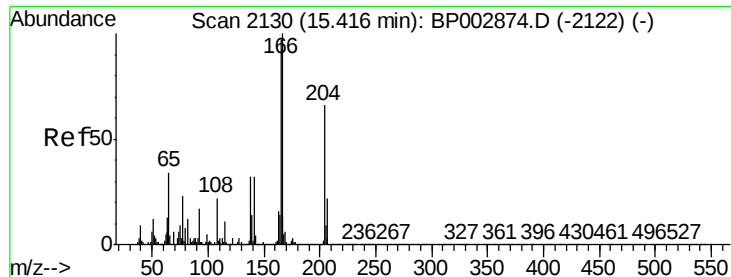
Tot Ion:184 Resp: 34
Ion Ratio Lower Upper
184 100
63 566.7 33.0 49.6#
154 823.3 46.8 70.2#



#57
2,4-Dinitrotoluene
Concen: 3.823 ng
RT: 14.69 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

Tgt Ion:165 Resp: 327
Ion Ratio Lower Upper
165 100
63 20.3 20.6 31.0#
89 23.3 43.4 65.0#
182 39.0 2.3 3.5#

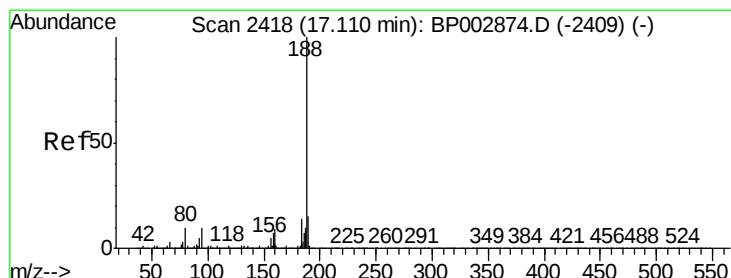
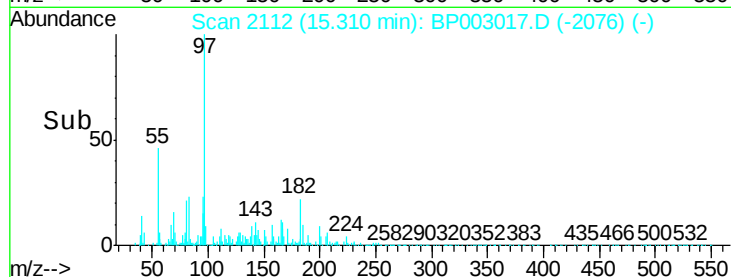
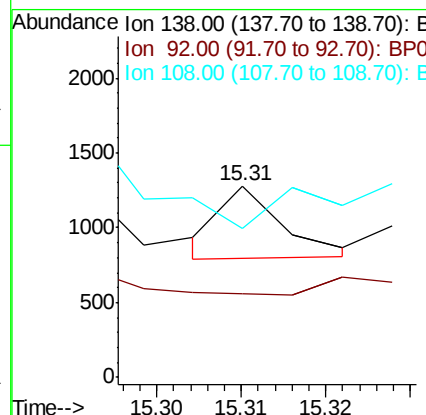
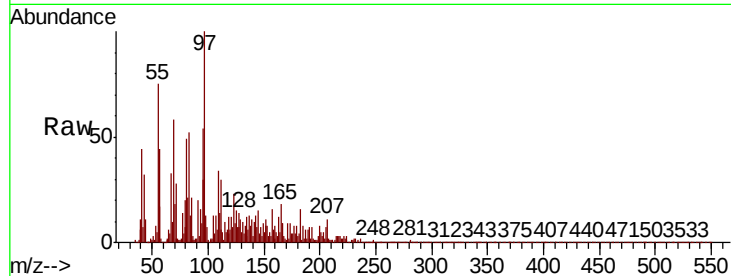




#62
4-Nitroaniline
Concen: 2.433 ng
RT: 15.31 min Scan# 2112
Delta R.T. -0.09 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

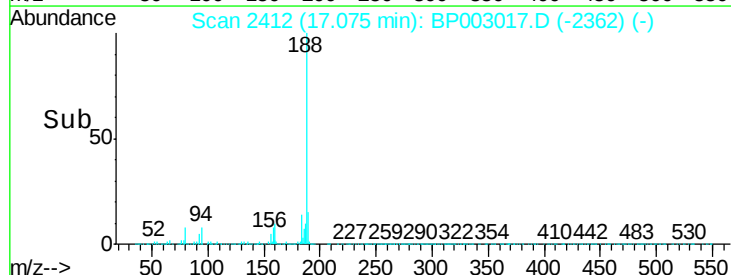
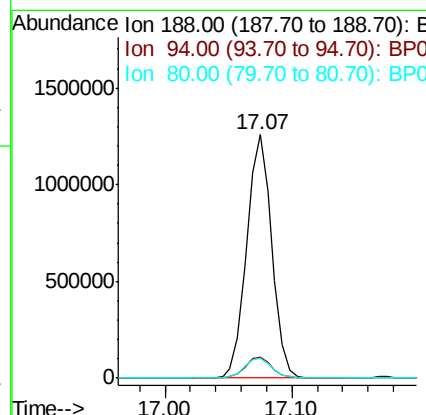
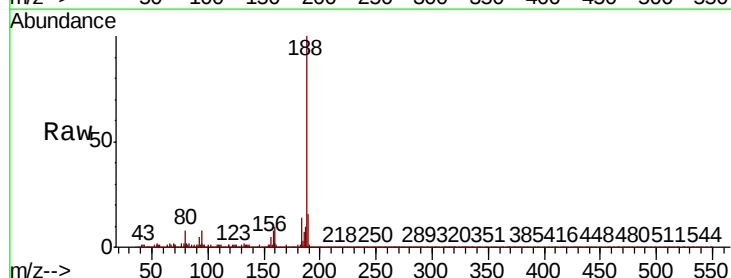
Instrument :
BNA_P
ClientSampleId :
V-23615

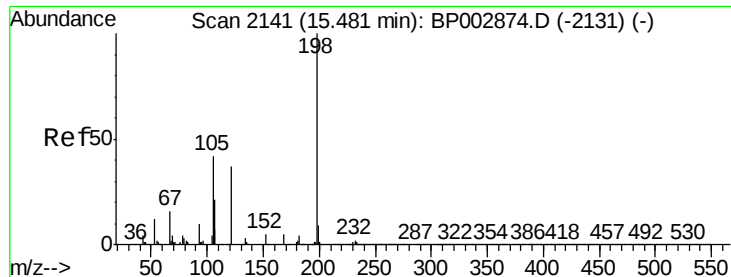
Tot Ion:138 Resp: 247
Ion Ratio Lower Upper
138 100
92 43.6 21.4 61.4
108 78.0 40.8 80.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

Tgt Ion:188 Resp: 1722373
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 8.3 6.7 10.1





#65

4,6-Dinitro-2-methylphenol

Concen: 6.952 ng

RT: 15.42 min Scan# 2131

Delta R.T. -0.04 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

Instrument :

BNA_P

ClientSampleId :

V-23615

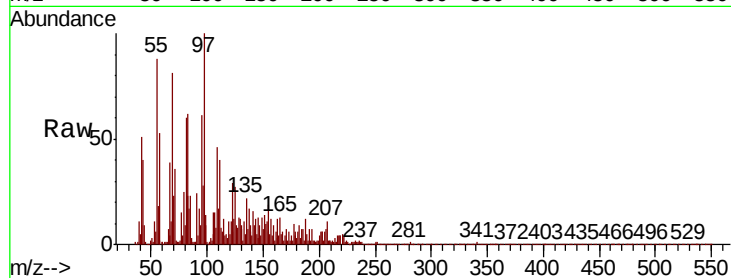
Tot Ion:198 Resp: 545

Ion Ratio Lower Upper

198 100

51 119.7 6.2 46.2#

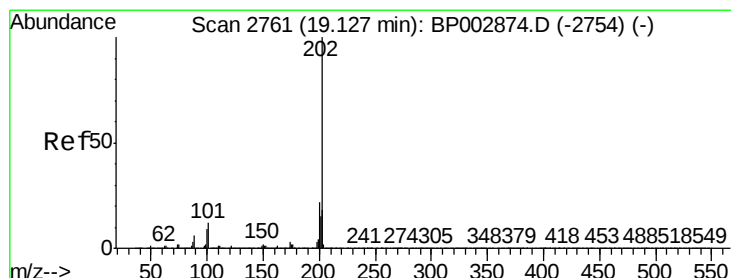
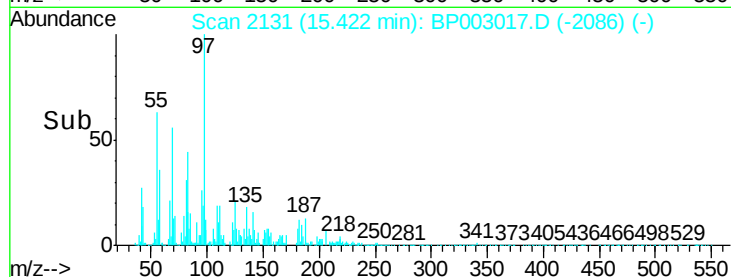
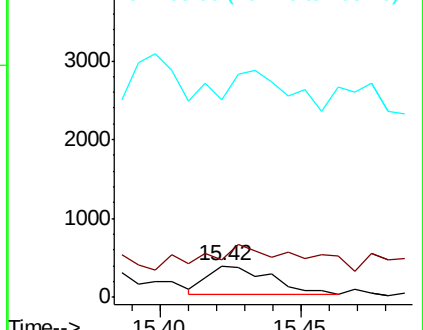
105 632.4 19.9 59.9#



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



#75

Fluoranthene

Concen: 2.269 ng

RT: 19.09 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

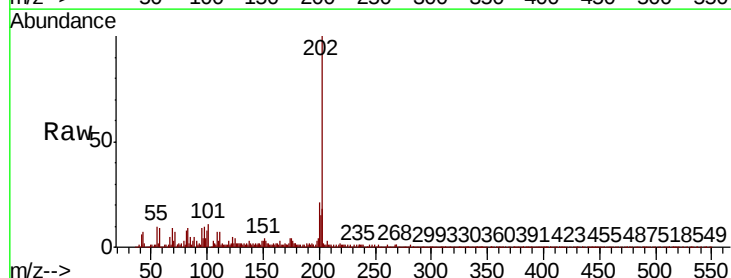
Tgt Ion:202 Resp: 264015

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.2

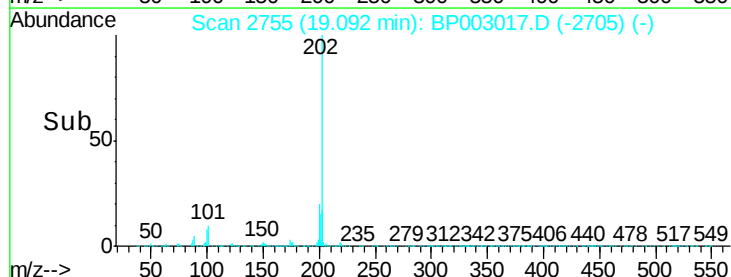
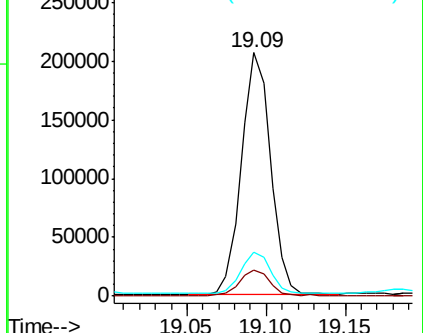
203 17.9 0.0 38.4

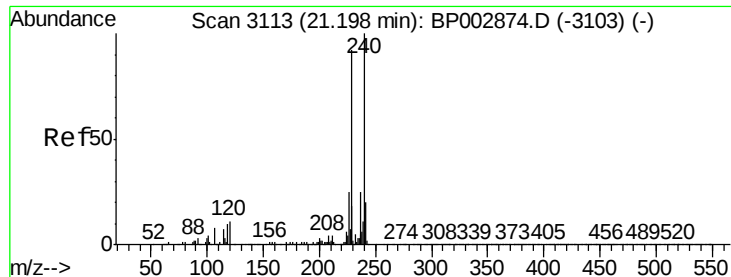


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

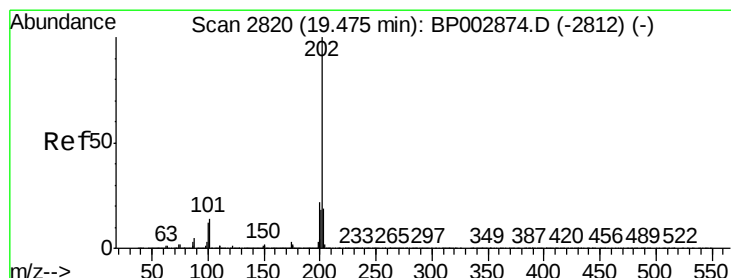
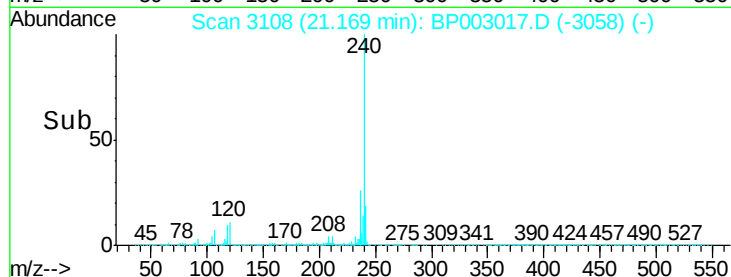
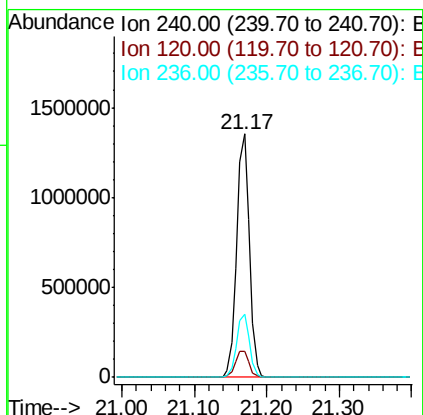
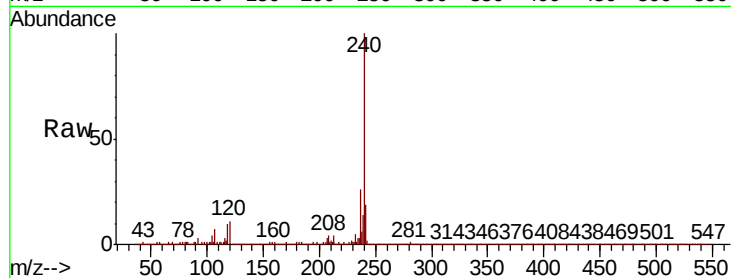




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

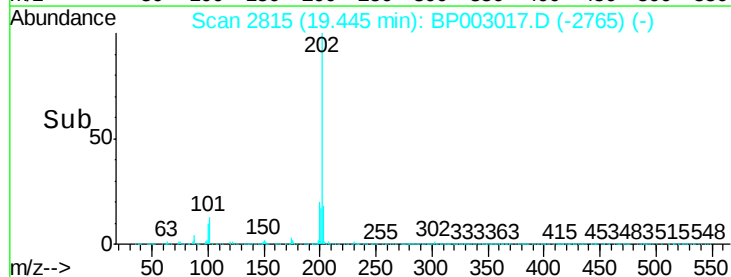
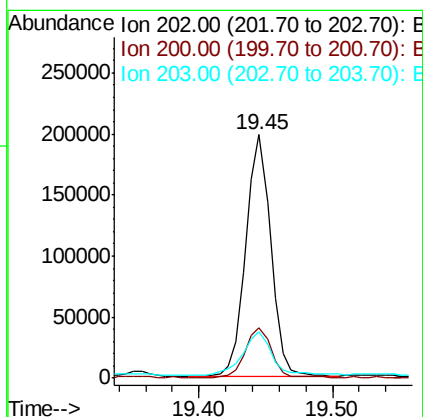
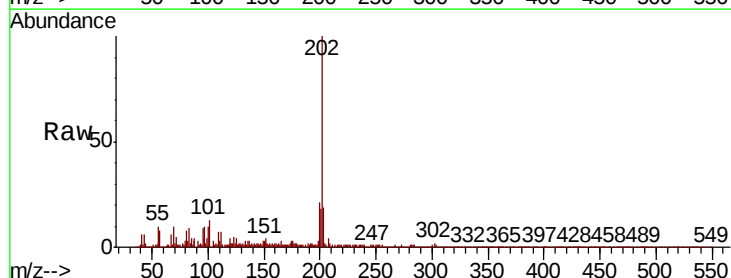
Instrument :
BNA_P
ClientSampleId :
V-23615

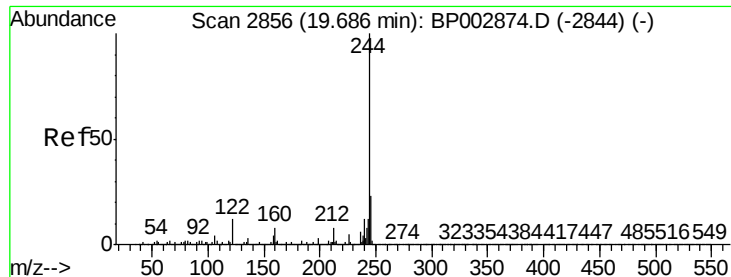
Tot Ion:240 Resp: 1649761
Ion Ratio Lower Upper
240 100
120 10.9 9.5 14.3
236 25.9 20.8 31.2



#78
Pyrene
Concen: 2.207 ng
RT: 19.45 min Scan# 2815
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

Tgt Ion:202 Resp: 254478
Ion Ratio Lower Upper
202 100
200 20.5 17.8 26.6
203 19.1 14.6 22.0





#79

Terphenyl-d14

Concen: 38.577 ng

RT: 19.65 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

Instrument :

BNA_P

ClientSampleId :

V-23615

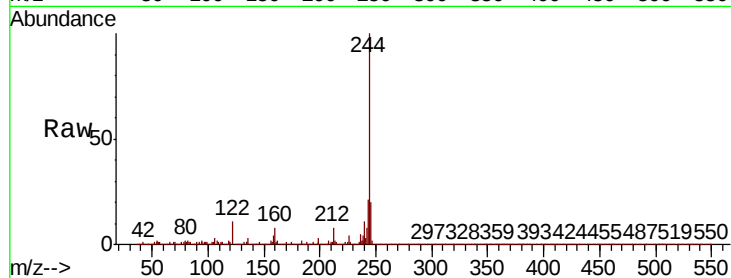
Tot Ion:244 Resp: 3179045

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

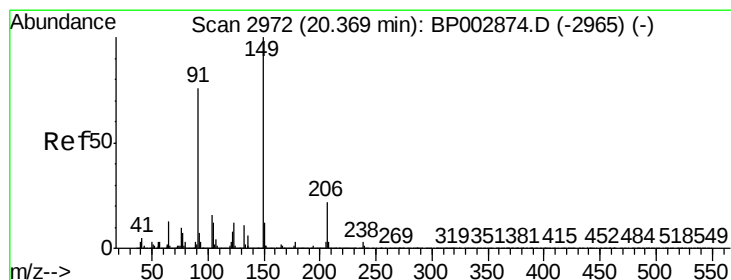
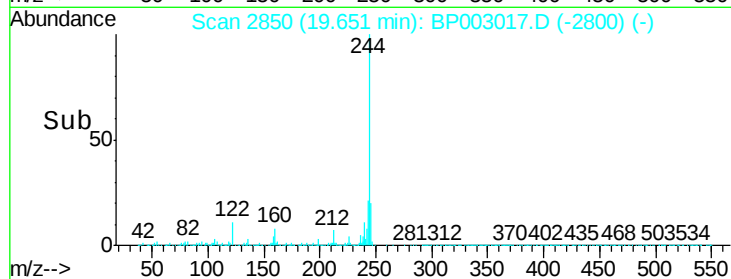
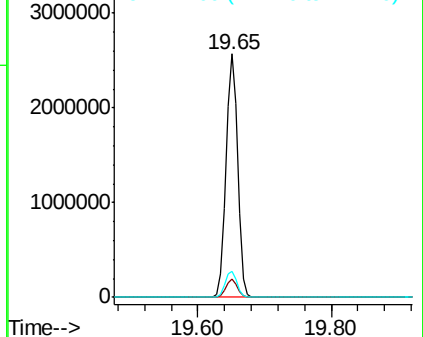
122 10.7 8.7 13.1



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



#80

Butylbenzylphthalate

Concen: 3.165 ng

RT: 20.33 min Scan# 2966

Delta R.T. -0.01 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

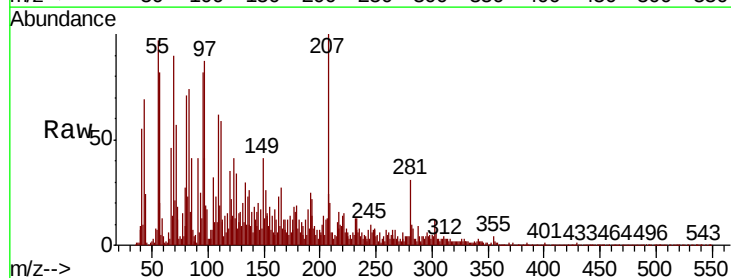
Tgt Ion:149 Resp: 5386

Ion Ratio Lower Upper

149 100

91 98.7 45.3 67.9#

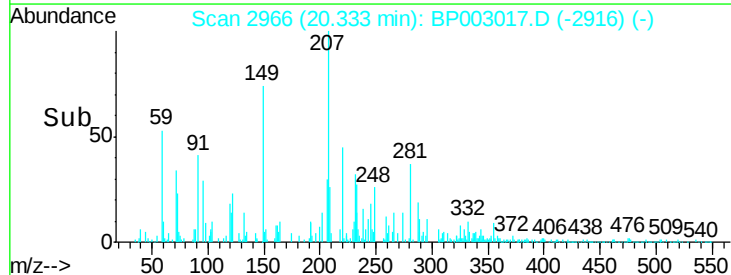
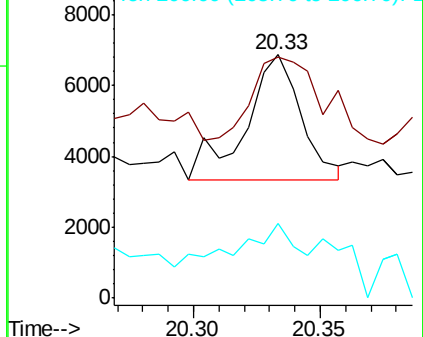
206 30.8 17.5 26.3#

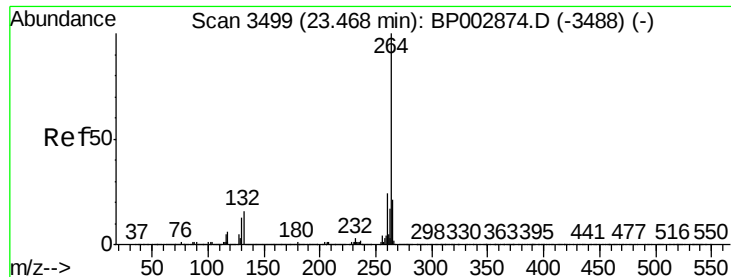


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E



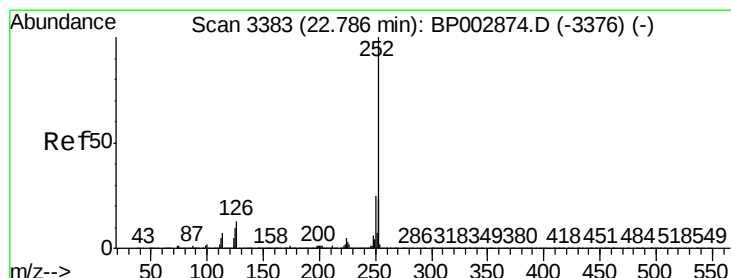
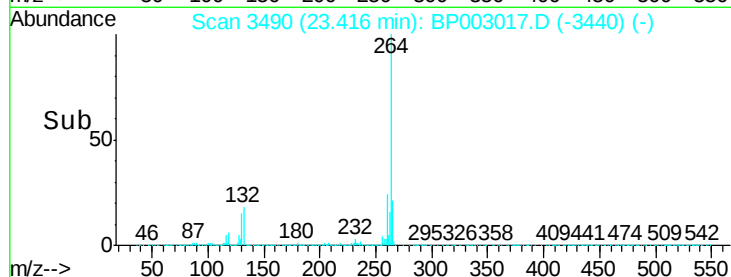
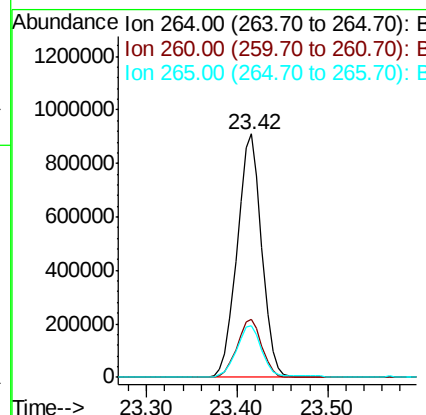
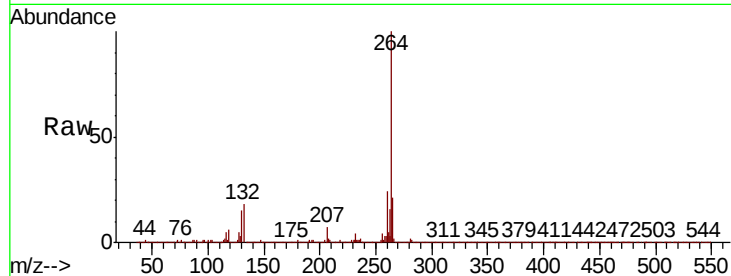


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3490
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

Instrument :
BNA_P
ClientSampleId :
V-23615

Tot Ion:264 Resp: 1715570

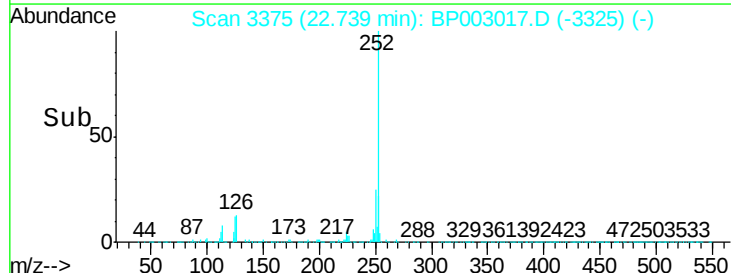
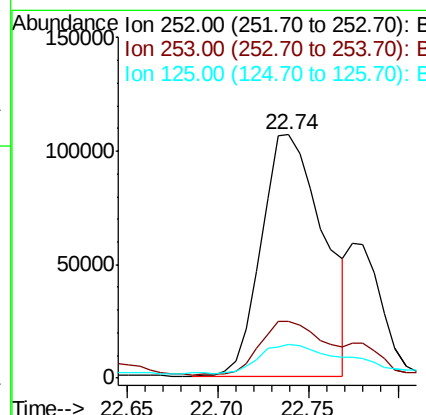
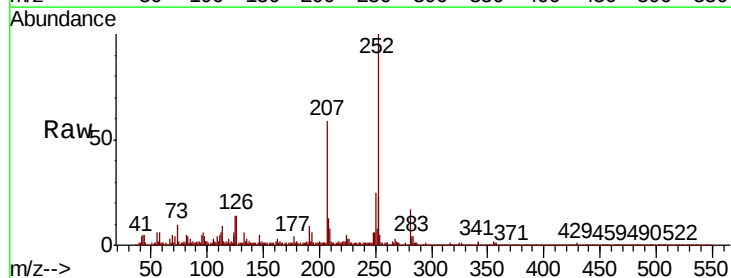
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.2	17.3	25.9

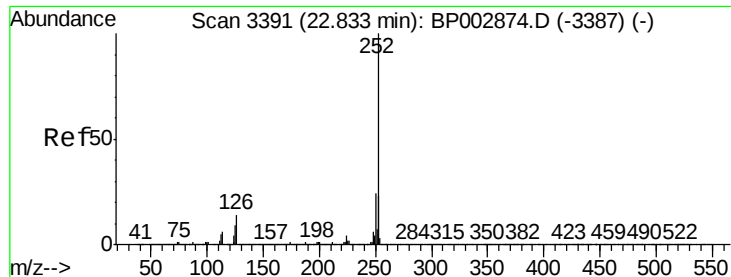


#88
Benzo(b)fluoranthene
Concen: 2.099 ng
RT: 22.74 min Scan# 3375
Delta R.T. -0.01 min
Lab File: BP003017.D
Acq: 18 Aug 2020 14:53

Tgt Ion:252 Resp: 254102

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	13.6	9.4	14.2





#89

Benzo(k)fluoranthene

Concen: 2.221 ng

RT: 22.74 min Scan# 3375

Delta R.T. -0.05 min

Lab File: BP003017.D

Acq: 18 Aug 2020 14:53

Instrument :

BNA_P

ClientSampleId :

V-23615

Tot Ion: 252 Resp: 254102

Ion Ratio Lower Upper

252 100

253 23.3 18.3 27.5

125 13.6 9.3 13.9

