

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\
 Data File : BP003006.D
 Acq On : 17 Aug 2020 17:10
 Operator : CG/JU
 Sample : L3691-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S710-N-SO-0-0.5-081320

Quant Time: Aug 18 01:13:12 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	348295	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1374901	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	735445	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	1589177	20.00	ng	0.00
76) Chrysene-d12	21.17	240	1906356	20.00	ng	0.00
86) Perylene-d12	23.42	264	1905049	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1460720	64.19	ng	0.00
7) Phenol-d6	6.86	99	1762056	55.77	ng	0.00
23) Nitrobenzene-d5	8.83	82	918893	36.20	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	714853	78.21	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	2580528	47.94	ng	0.00
79) Terphenyl-d14	19.65	244	4019281	42.21	ng	0.00

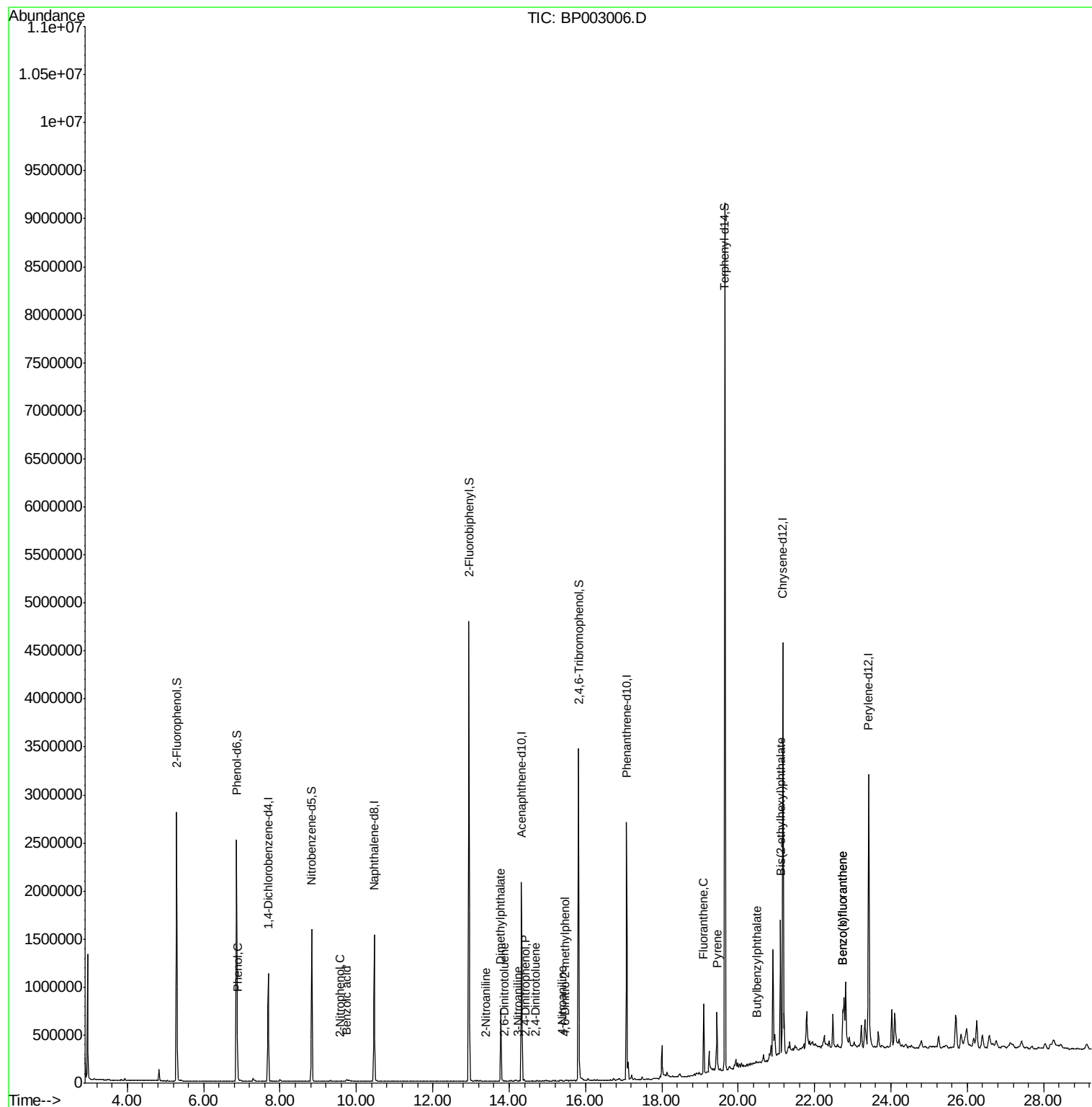
Target Compounds				Qvalue		
10) Phenol	6.89	94	73300	2.304	ng	95
26) 2-Nitrophenol	9.58	139	15	4.522	ng	# 1
32) Benzoic acid	9.73	122	16709	8.785	ng	91
48) 2-Nitroaniline	13.37	65	125	3.981	ng	# 22
50) Dimethylphthalate	13.78	163	546642	9.503	ng	99
51) 2,6-Dinitrotoluene	13.88	165	254	2.918	ng	# 76
53) 3-Nitroaniline	14.22	138	50	3.277	ng	# 1
54) 2,4-Dinitrophenol	14.42	184	29	8.062	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	55	3.809	ng	# 1
62) 4-Nitroaniline	15.39	138	132	2.425	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.47	198	70	6.907	ng	# 1
75) Fluoranthene	19.09	202	419369	3.906	ng	99
78) Pyrene	19.45	202	373804	2.805	ng	98
80) Butylbenzylphthalate	20.49	149	1231	3.079	ng	95
84) Bis(2-ethylhexyl)phthalate	21.10	149	551884	7.483	ng	# 96
88) Benzo(b)fluoranthene	22.74	252	444338	3.305	ng	99
89) Benzo(k)fluoranthene	22.74	252	444338	3.497	ng	98

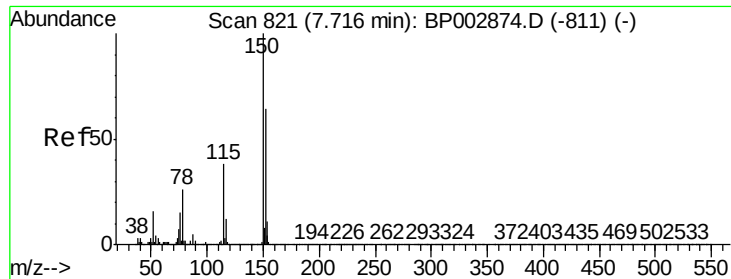
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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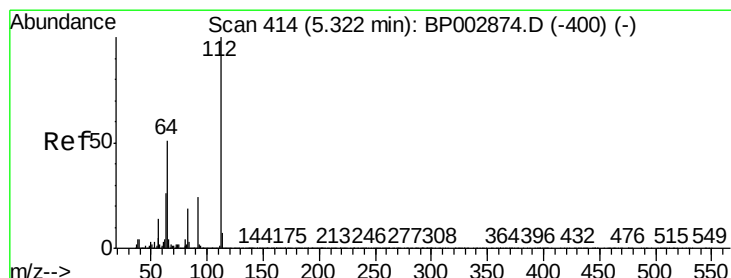
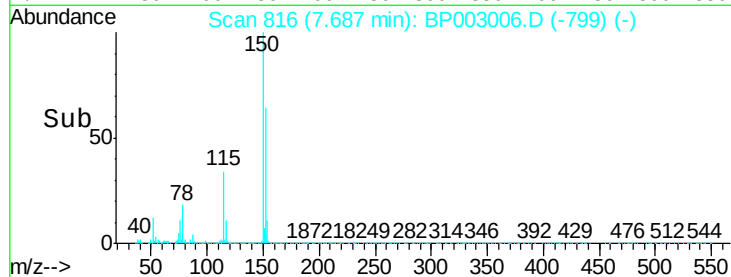
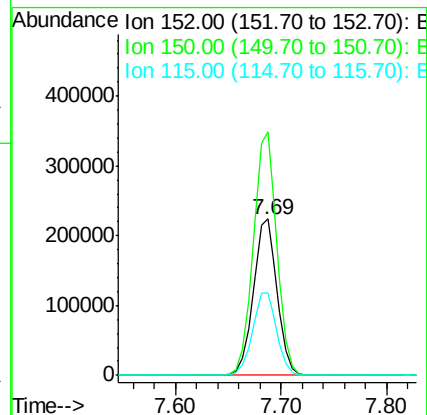
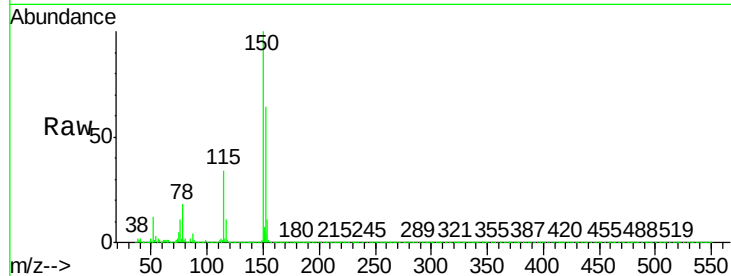


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 816
Delta R.T. -0.00 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

Instrument :
BNA_P
ClientSampleId :
S710-N-SO-0-0.5-081320

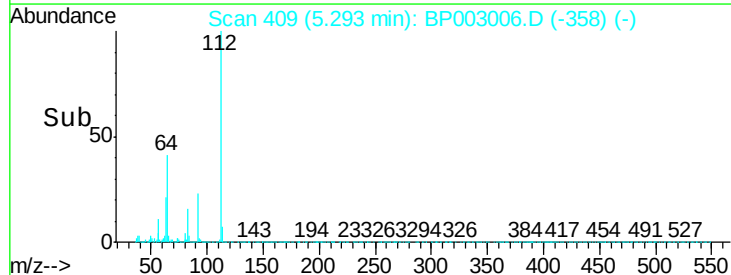
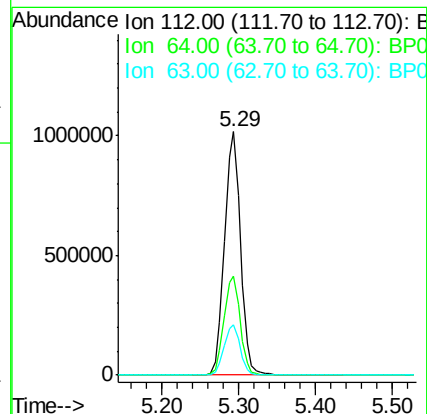
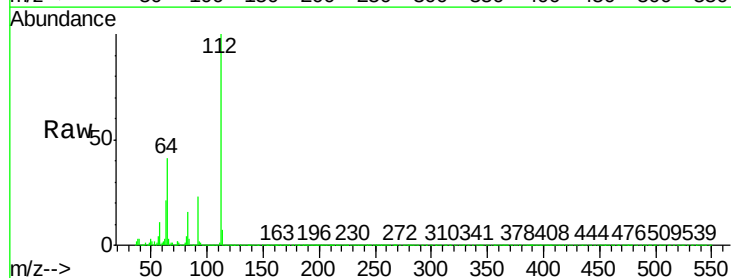
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.1	189.1
115	52.8	43.4	65.2

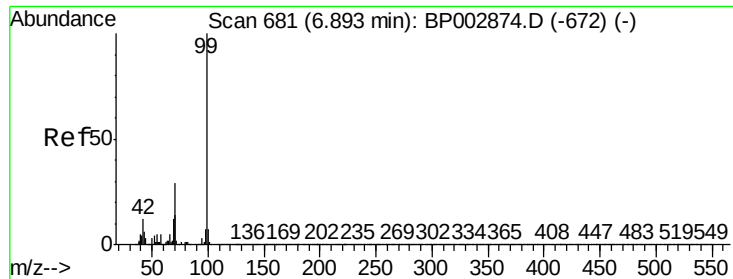


#5

2-Fluorophenol
Concen: 64.188 ng
RT: 5.29 min Scan# 409
Delta R.T. -0.00 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.5	33.4	50.2
63	20.6	17.4	26.0





#7

Phenol-d6

Concen: 55.770 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

Instrument :

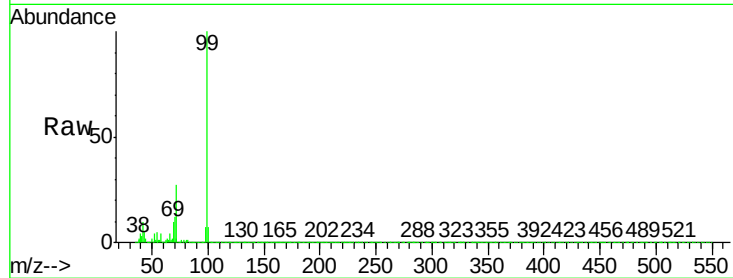
BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320

Tot Ion: 99 Resp: 1762056

Ion	Ratio	Lower	Upper
99	100		
42	10.1	8.0	12.0
71	26.5	21.3	31.9

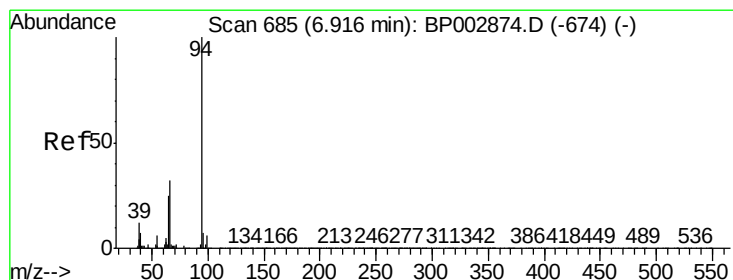
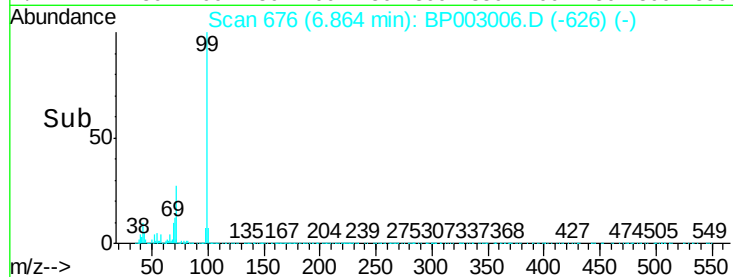
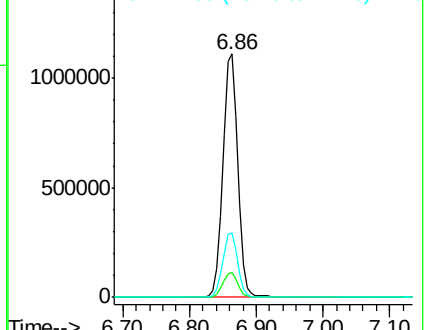


Abundance

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



#10

Phenol

Concen: 2.304 ng

RT: 6.89 min Scan# 680

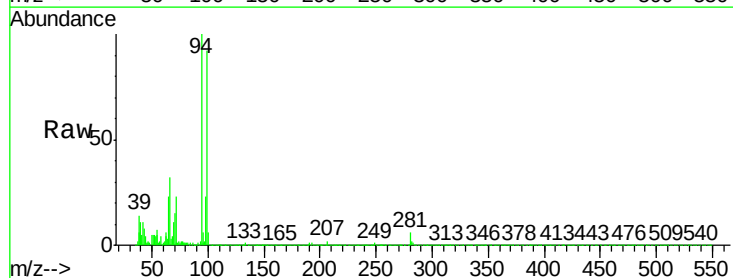
Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

Tgt Ion: 94 Resp: 73300

Ion	Ratio	Lower	Upper
94	100		
65	23.3	1.7	41.7
66	31.5	8.6	48.6

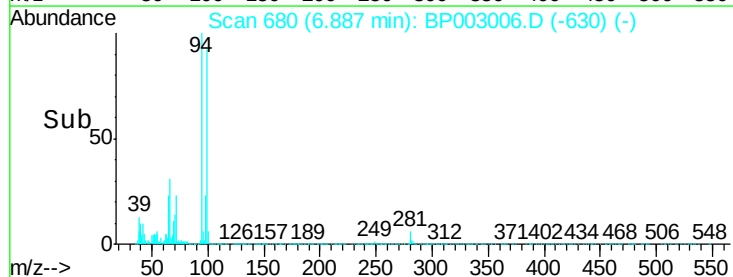
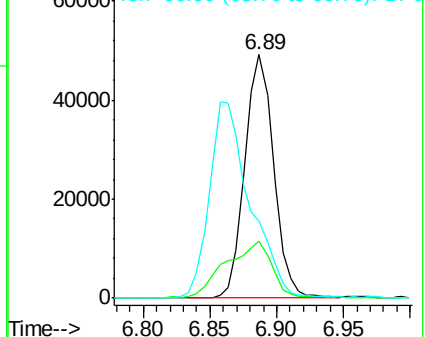


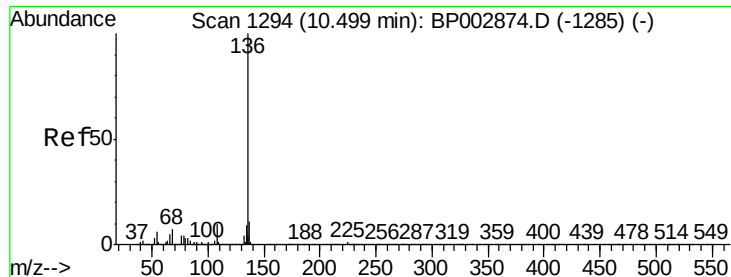
Abundance

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

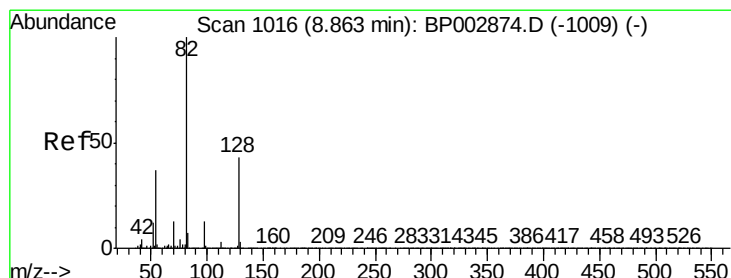
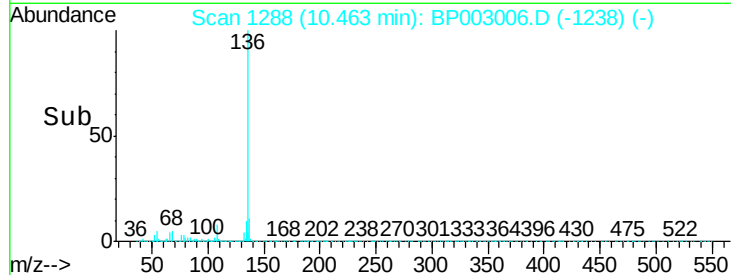
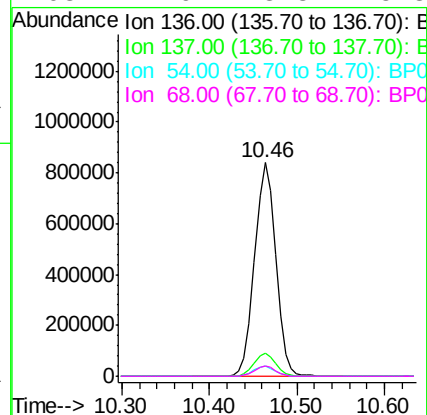
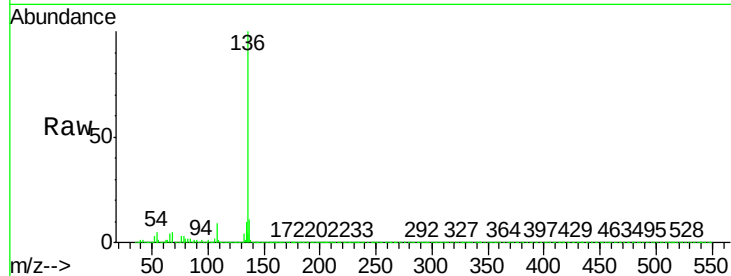




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

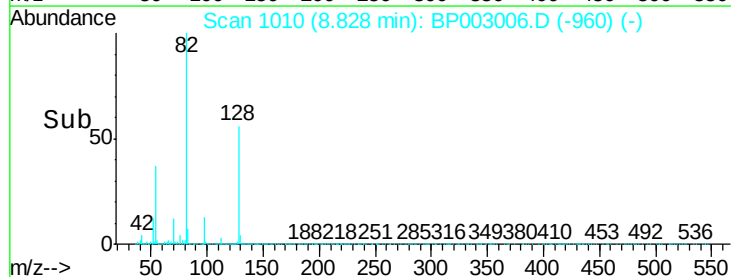
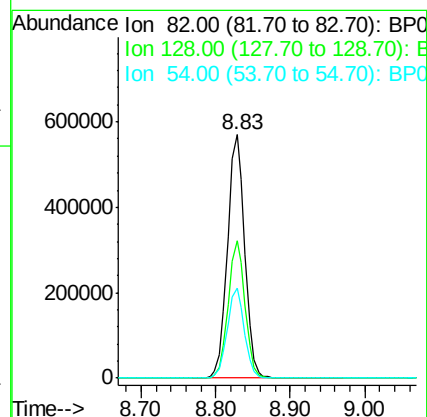
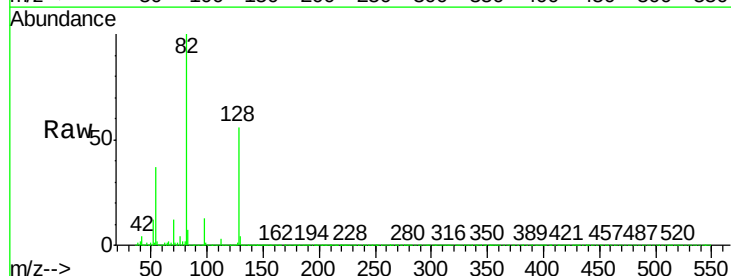
Instrument :
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S710-N-SO-0-0.5-081320

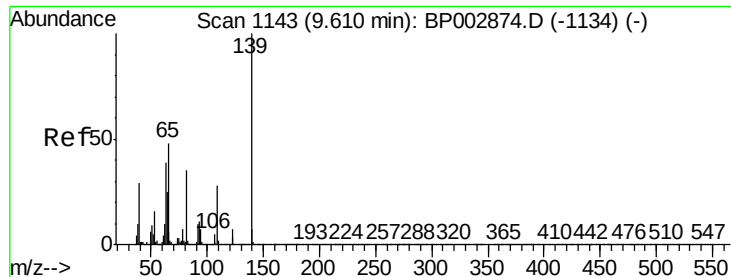
Tot Ion:136	Resp: 1374901
Ion Ratio	Lower Upper
136 100	
137 10.9	8.8 13.2
54 4.7	3.8 5.8
68 4.9	3.8 5.8



#23
Nitrobenzene-d5
Concen: 36.199 ng
RT: 8.83 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

Tgt	Ion: 82	Resp:	918893
Ion	Ratio	Lower	Upper
82	100		
128	56.4	45.1	67.7
54	37.1	28.8	43.2





#26

2-Nitrophenol

Concen: 4.522 ng

RT: 9.58 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

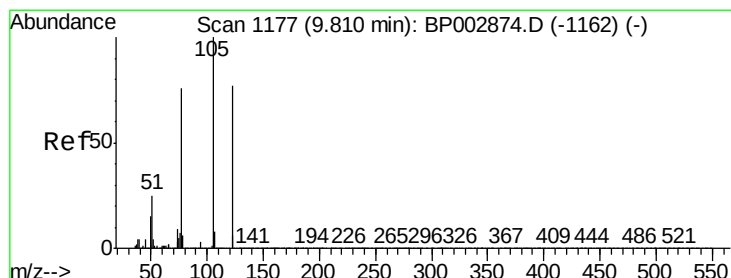
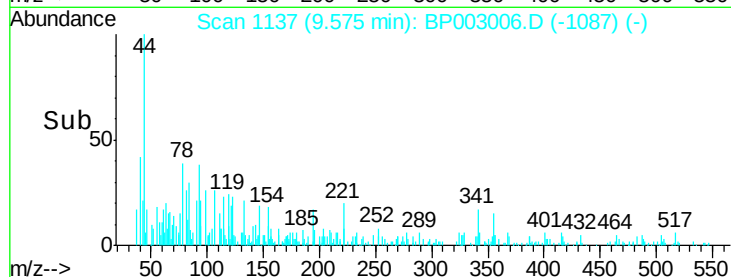
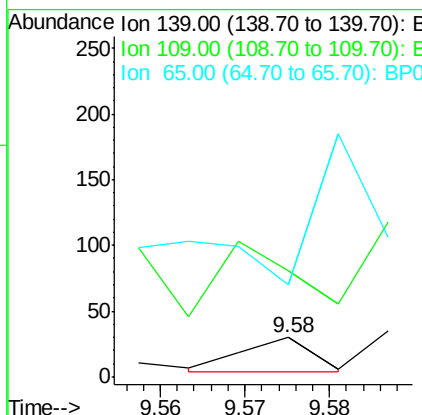
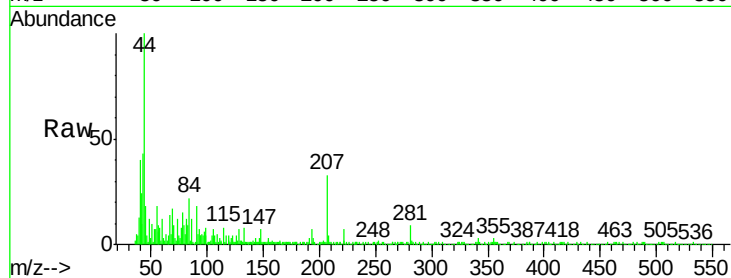
Instrument :

BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320

Tot Ion:139	Resp:	15
Ion	Ratio	Lower Upper
139	100	
109	270.0	21.0 31.6#
65	233.3	27.2 40.8#



#32

Benzoic acid

Concen: 8.785 ng

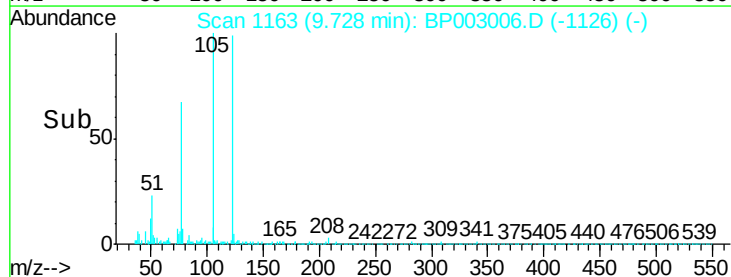
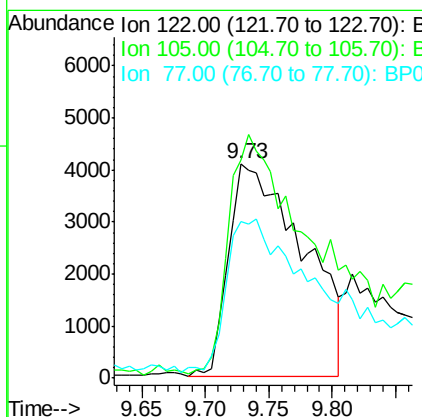
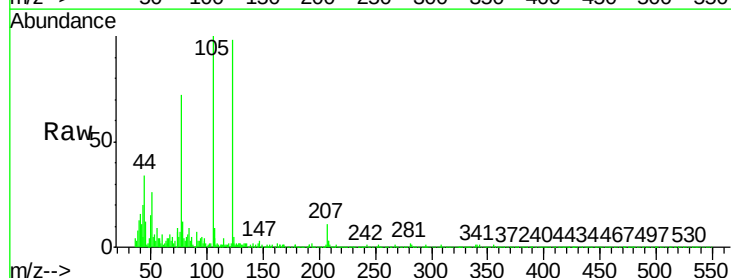
RT: 9.73 min Scan# 1163

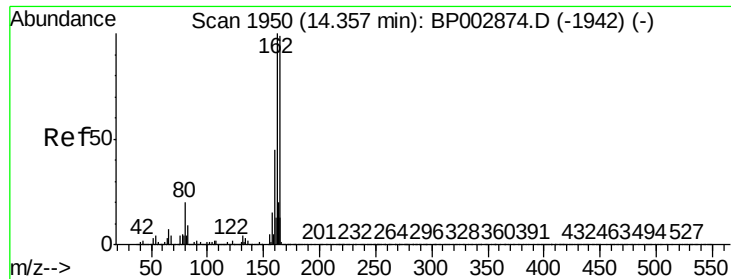
Delta R.T. -0.08 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

Tgt Ion:122	Resp:	16709
Ion	Ratio	Lower Upper
122	100	
105	101.8	96.2 136.2
77	73.3	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: BP003006.D

Acq: 17 Aug 2020 17:10

Instrument :

BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320

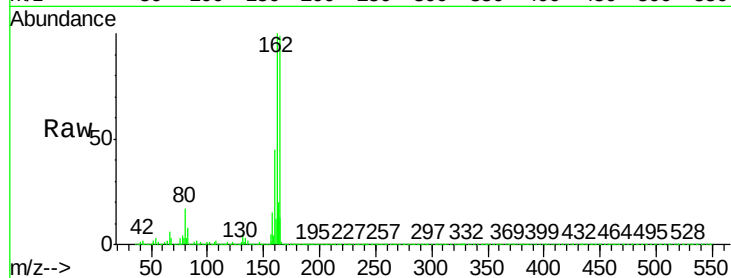
Tot Ion:164 Resp: 735445

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.0

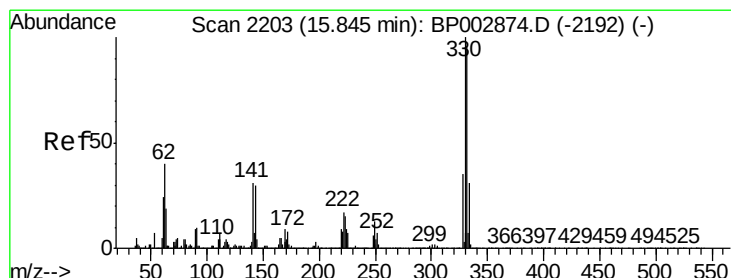
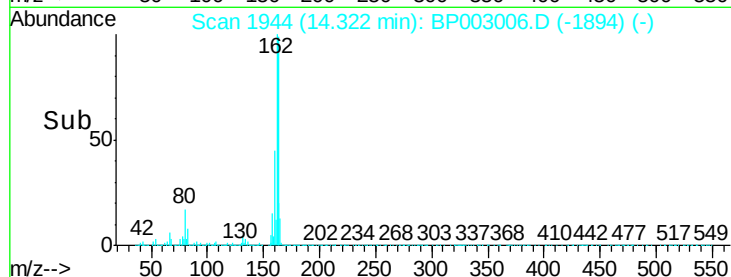
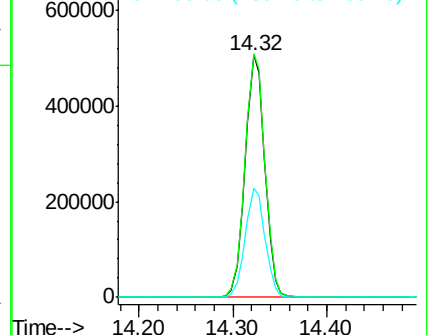
160 45.0 35.5 53.3



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: 78.205 ng

RT: 15.82 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

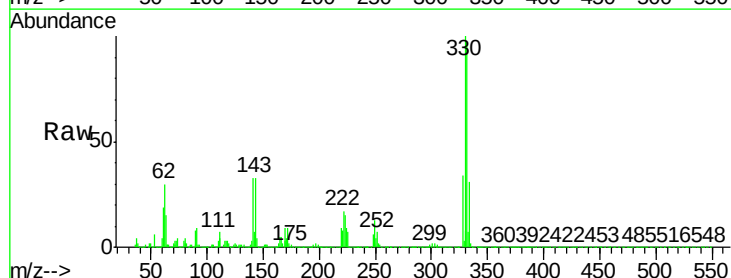
Tgt Ion:330 Resp: 714853

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

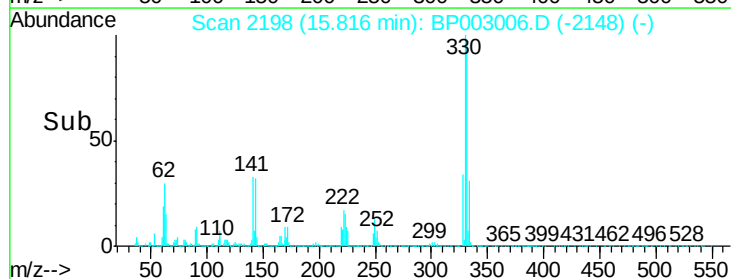
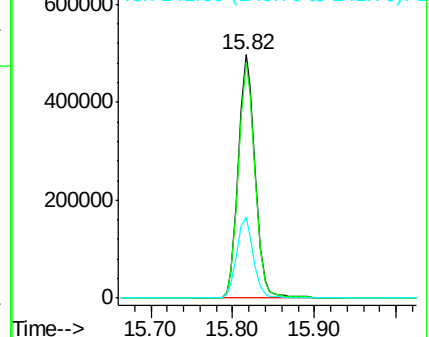
141 33.1 26.7 40.1

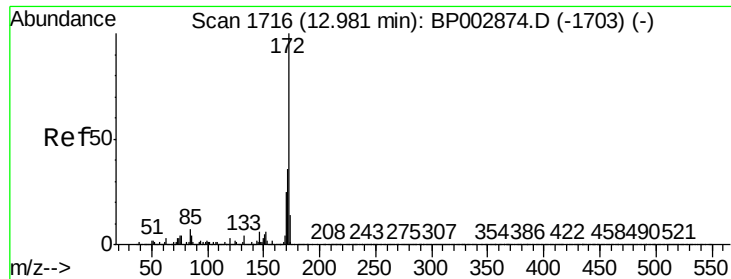


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

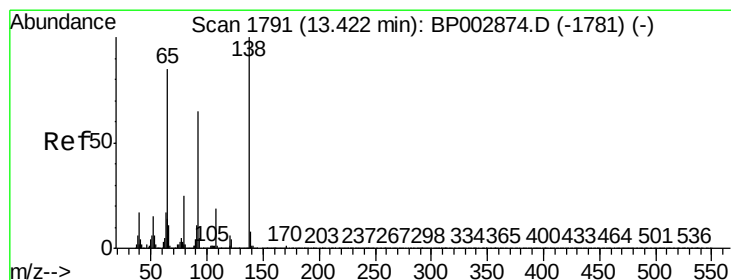
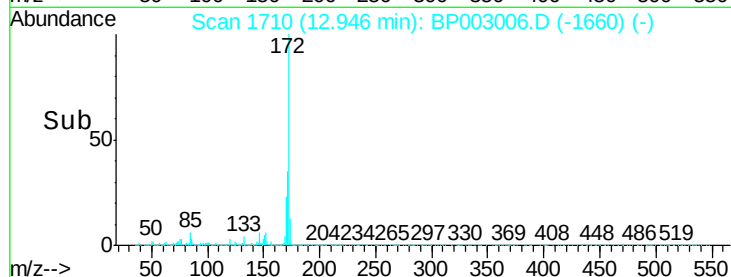
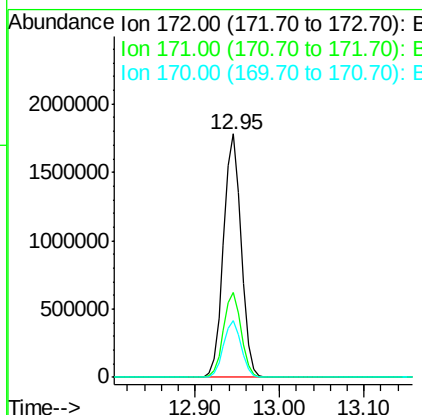
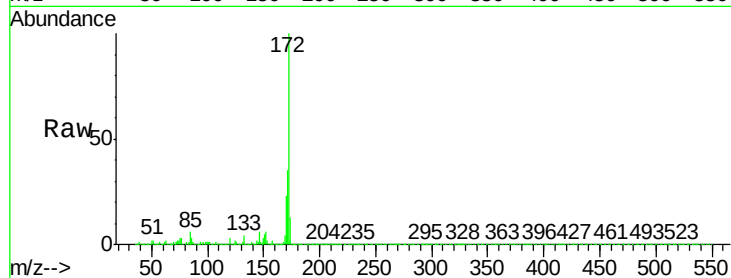




#45
2-Fluorobiphenyl
Concen: 47.941 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

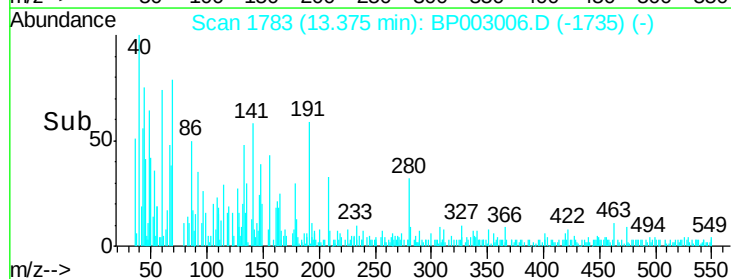
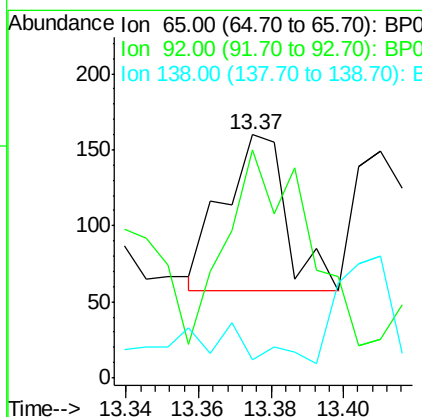
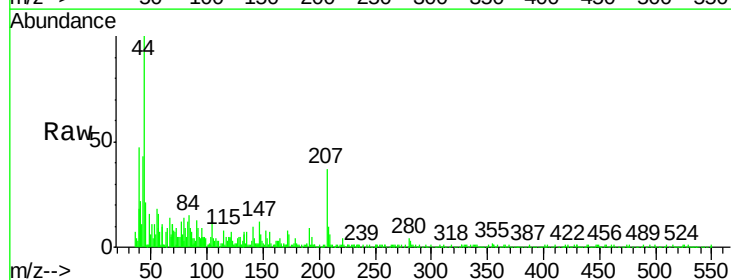
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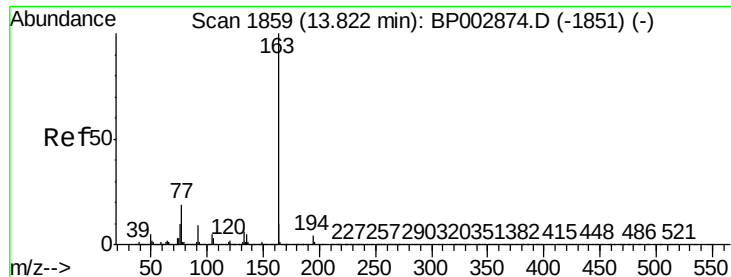
Tot Ion:172 Resp: 2580528
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.4
170 23.3 19.1 28.7



#48
2-Nitroaniline
Concen: 3.981 ng
RT: 13.37 min Scan# 1783
Delta R.T. -0.02 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

Tgt Ion: 65 Resp: 125
Ion Ratio Lower Upper
65 100
92 93.8 70.1 105.1
138 7.5 129.7 194.5#





#50

Dimethylphthalate

Concen: 9.503 ng

RT: 13.78 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

Instrument :

BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320

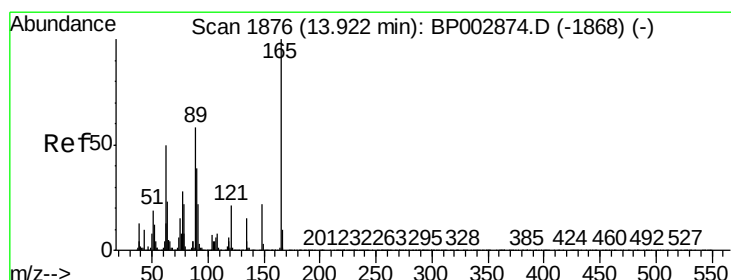
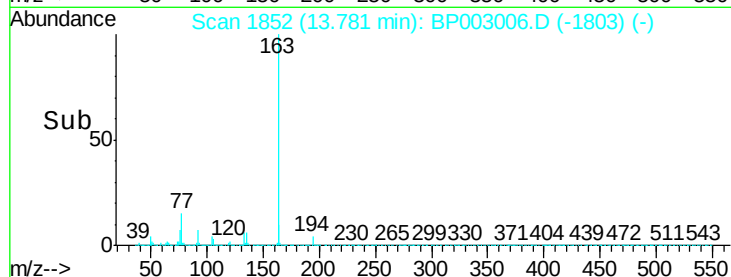
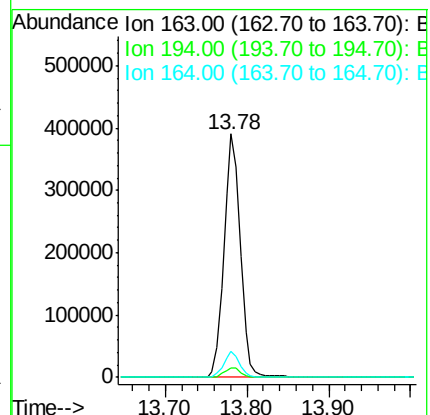
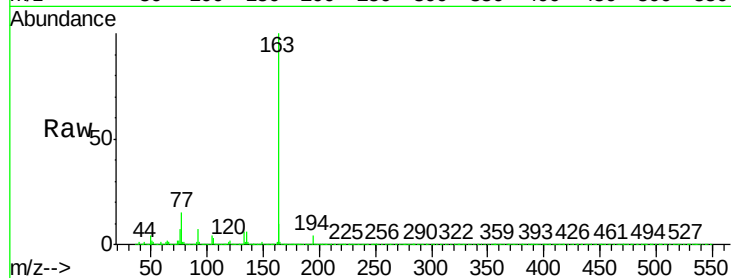
Tot Ion:163 Resp: 546642

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.4 8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 2.918 ng

RT: 13.88 min Scan# 1869

Delta R.T. -0.02 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

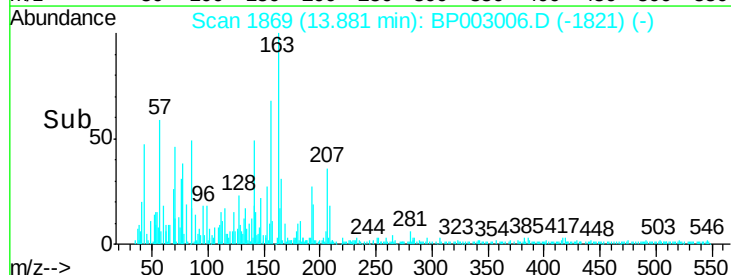
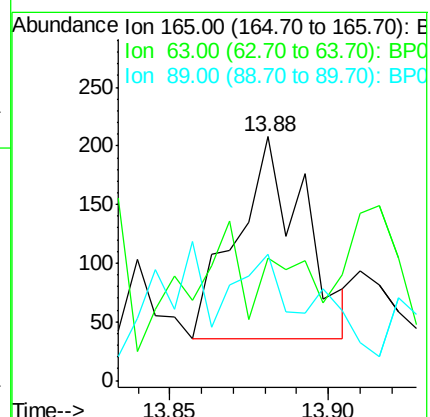
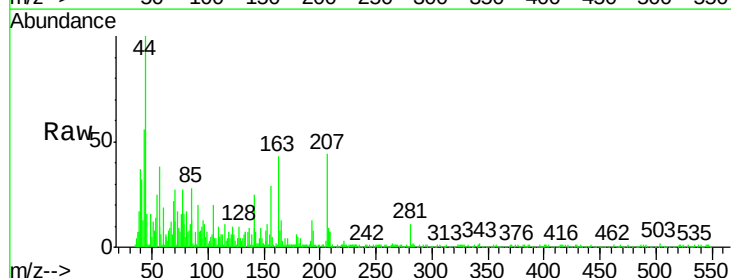
Tgt Ion:165 Resp: 254

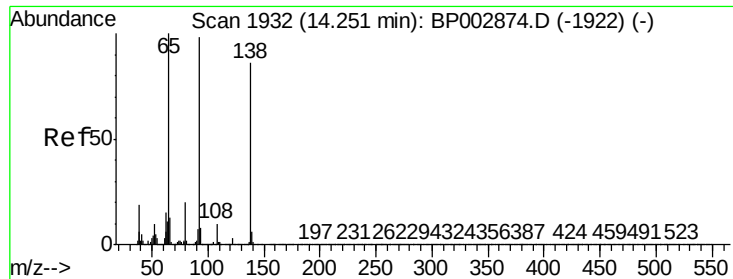
Ion Ratio Lower Upper

165 100

63 50.0 28.1 42.1#

89 58.2 34.5 51.7#

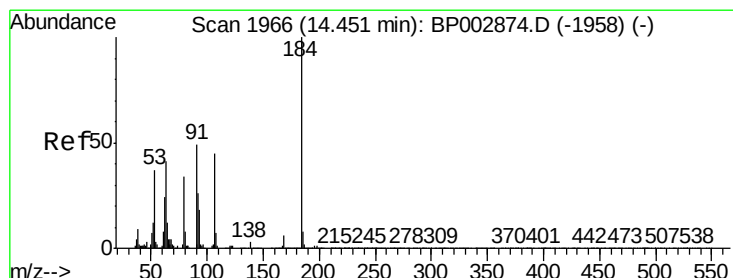
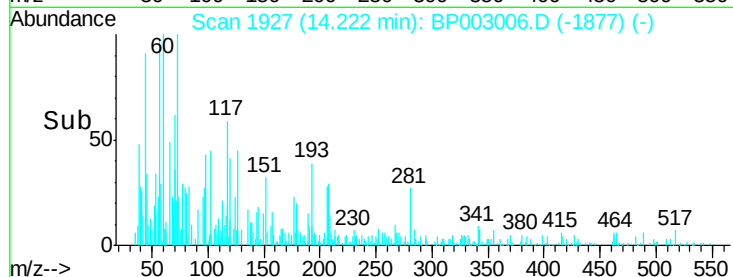
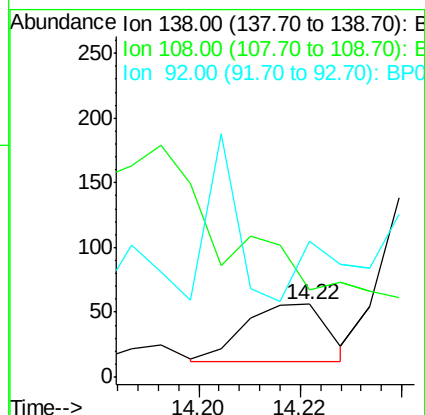
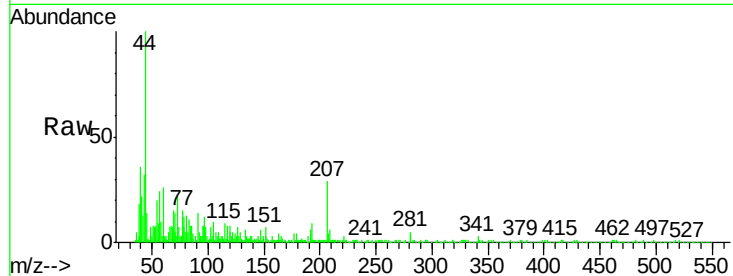




#53
 3-Nitroaniline
 Concen: 3.277 ng
 RT: 14.22 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: BP003006.D
 Acq: 17 Aug 2020 17:10

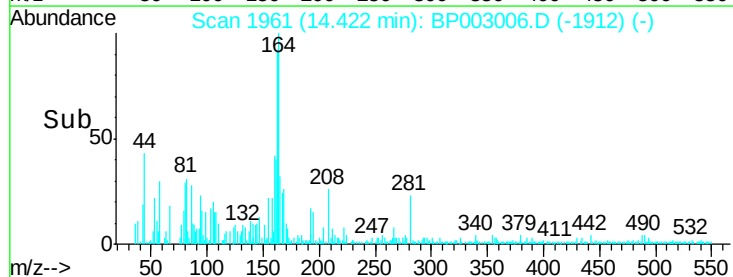
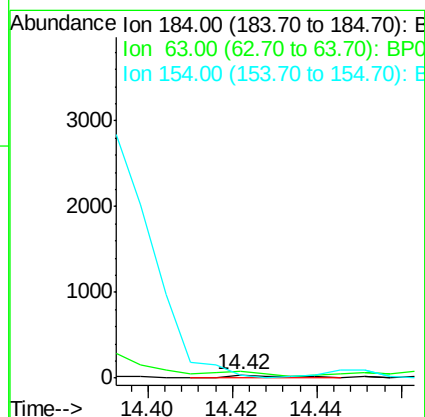
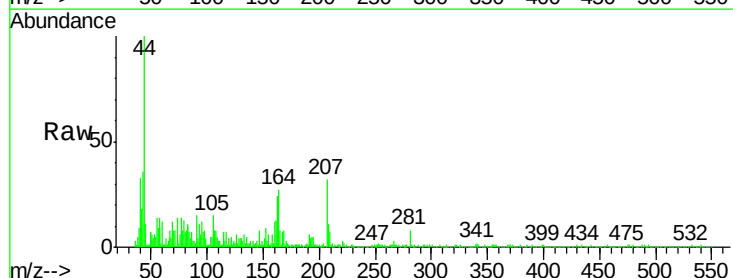
Instrument :
 BNA_P
 ClientSampleId :
 S710-N-SO-0-0.5-081320

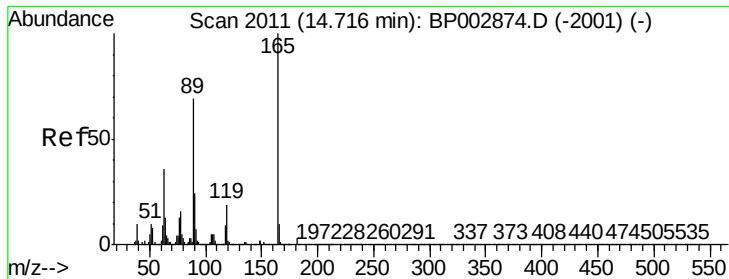
Tot Ion:138 Resp: 50
 Ion Ratio Lower Upper
 138 100
 108 119.6 7.7 11.5#
 92 187.5 75.6 113.4#



#54
 2,4-Dinitrophenol
 Concen: 8.062 ng
 RT: 14.42 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: BP003006.D
 Acq: 17 Aug 2020 17:10

Tgt Ion:184 Resp: 29
 Ion Ratio Lower Upper
 184 100
 63 216.7 33.0 49.6#
 154 83.3 46.8 70.2#





#57

2,4-Dinitrotoluene

Concen: 3.809 ng

RT: 14.69 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

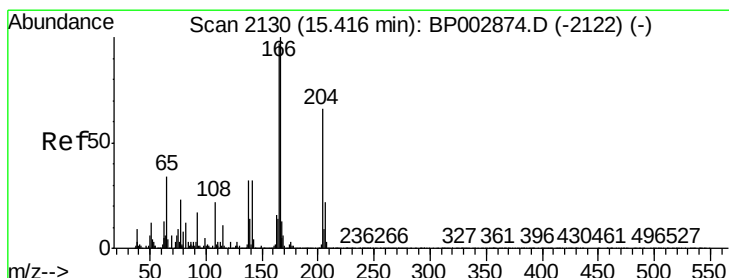
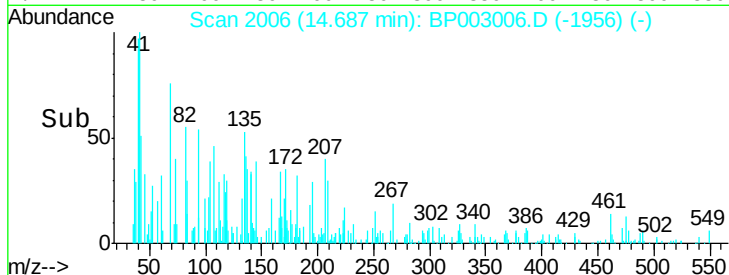
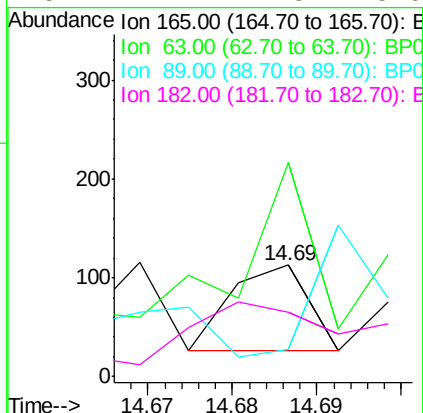
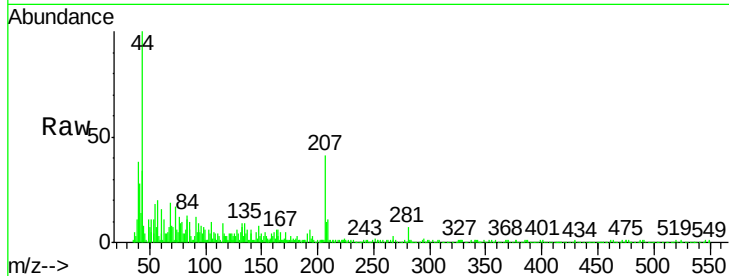
Instrument :

BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320

Tot Ion:165	Resp:	55
Ion Ratio	Lower	Upper
165 100		
63 156.5	20.6	31.0#
89 20.3	43.4	65.0#
182 47.1	2.3	3.5#



#62

4-Nitroaniline

Concen: 2.425 ng

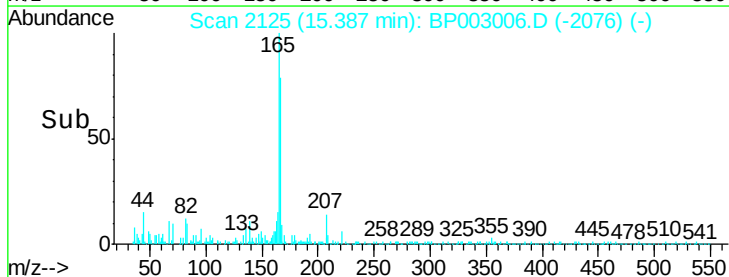
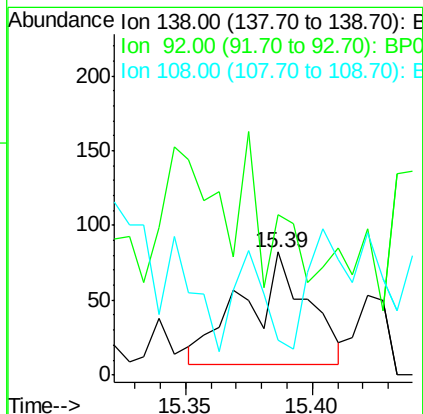
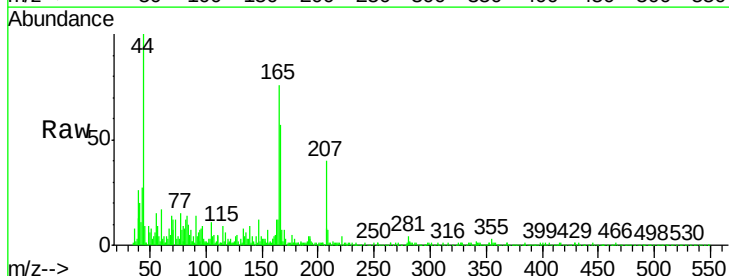
RT: 15.39 min Scan# 2125

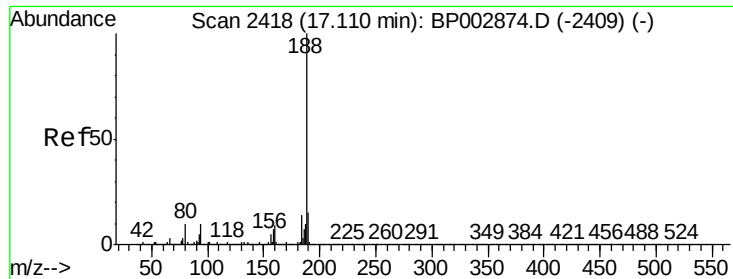
Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

Tgt	Ion:138	Resp:	132
Ion	Ratio	Lower	Upper
138	100		
92	130.5	21.4	61.4#
108	28.0	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: BP003006.D

Acq: 17 Aug 2020 17:10

Instrument :

BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320

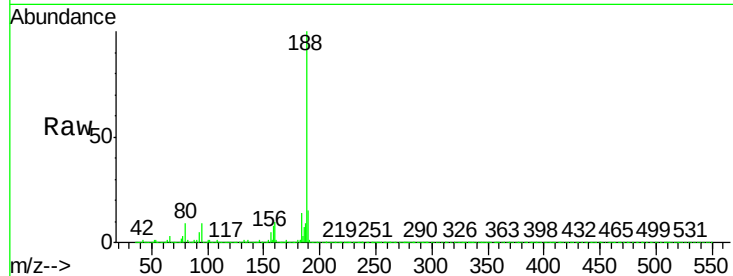
Tot Ion:188 Resp: 1589177

Ion Ratio Lower Upper

188 100

94 8.8 7.1 10.7

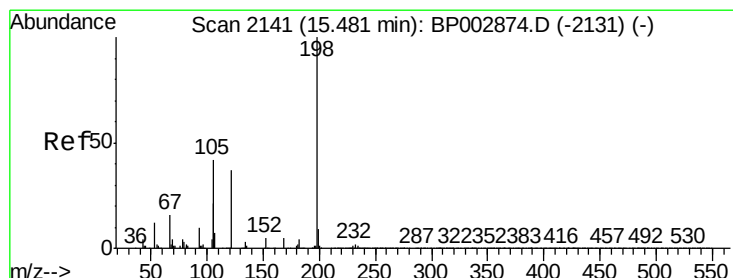
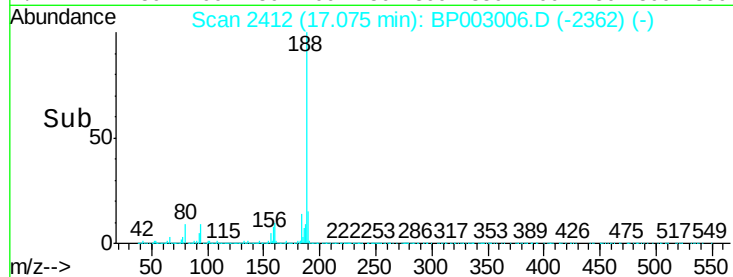
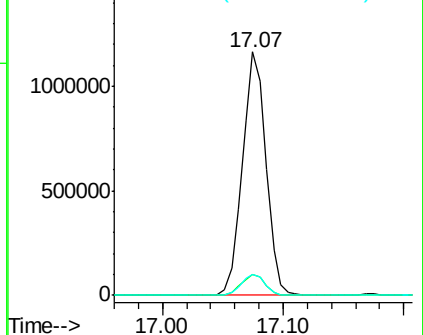
80 8.7 6.7 10.1



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: 6.907 ng

RT: 15.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

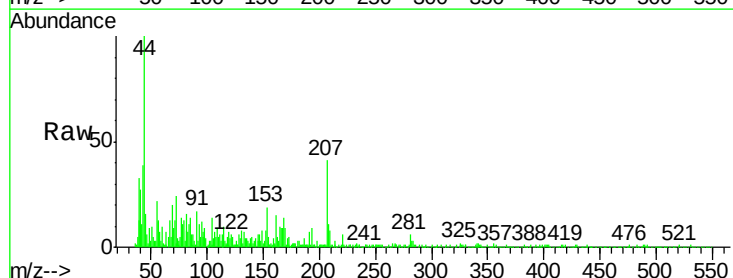
Tgt Ion:198 Resp: 70

Ion Ratio Lower Upper

198 100

51 392.2 6.2 46.2#

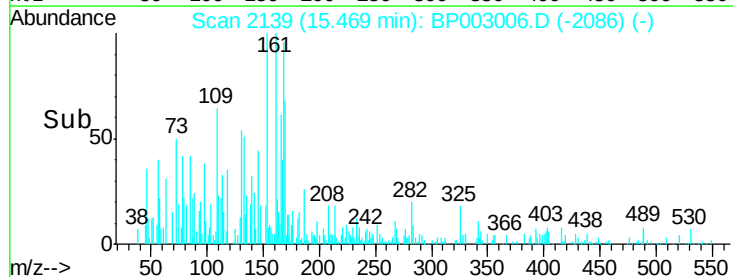
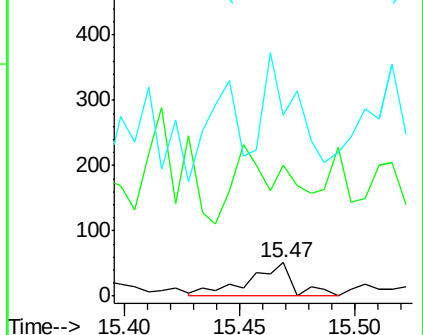
105 545.1 19.9 59.9#

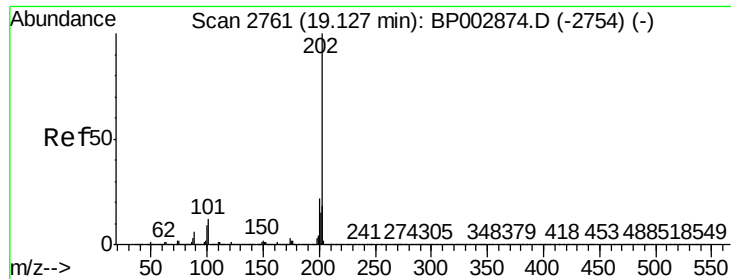


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#75

Fluoranthene

Concen: 3.906 ng

RT: 19.09 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

Instrument :

BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320

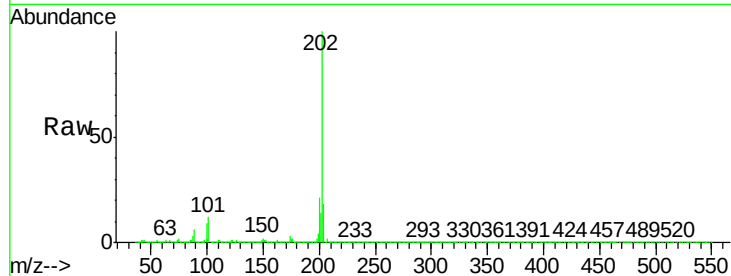
Tot Ion:202 Resp: 419369

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.2

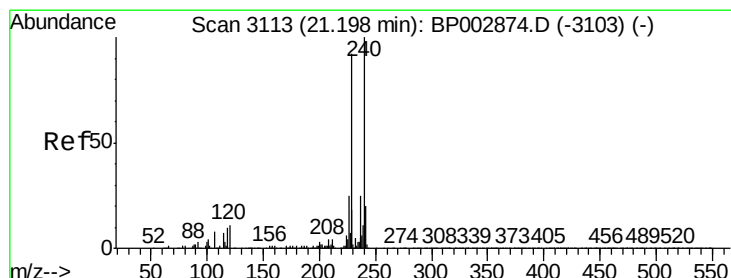
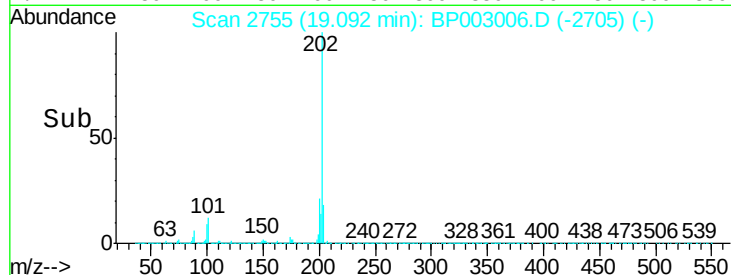
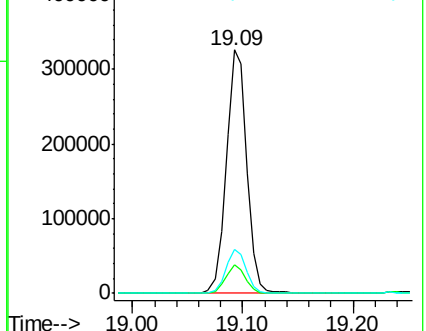
203 17.8 0.0 38.4



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: BP003006.D

Acq: 17 Aug 2020 17:10

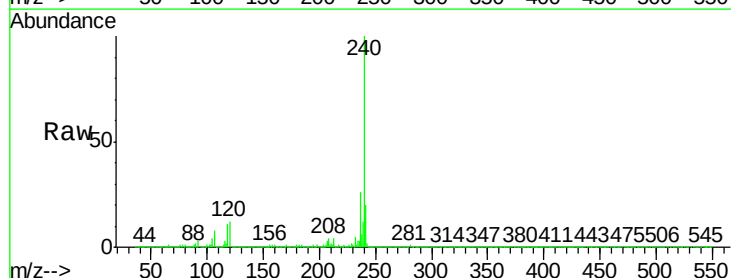
Tgt Ion:240 Resp: 1906356

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

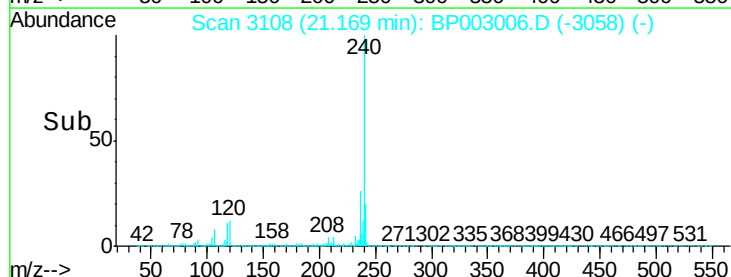
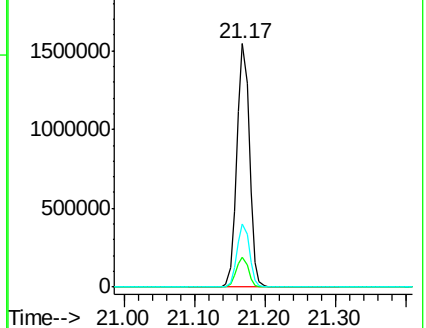
236 25.7 20.8 31.2

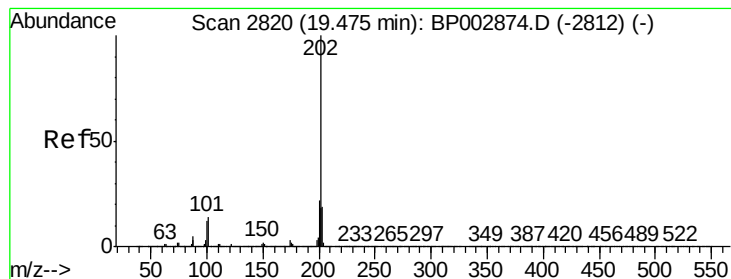


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.805 ng

RT: 19.45 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

Instrument :

BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320

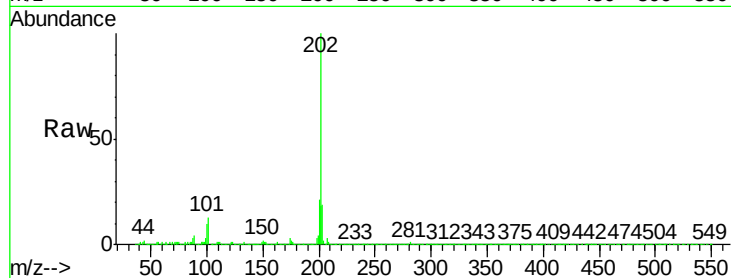
Tot Ion:202 Resp: 373804

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.6

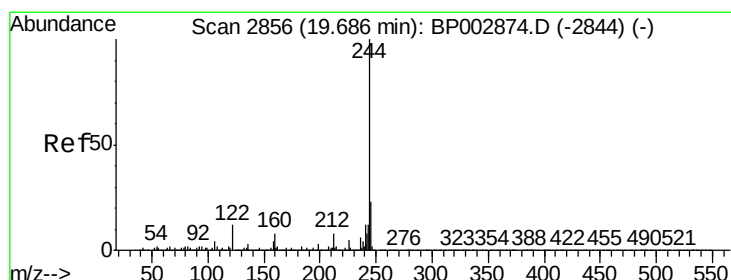
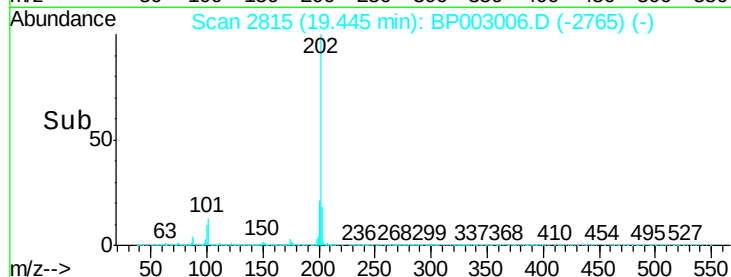
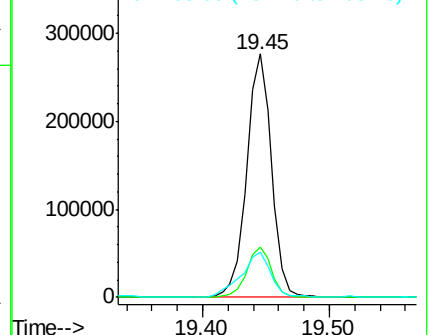
203 18.5 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 42.208 ng

RT: 19.65 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BP003006.D

Acq: 17 Aug 2020 17:10

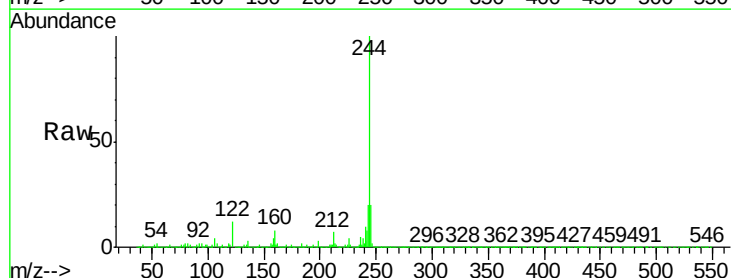
Tgt Ion:244 Resp: 4019281

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

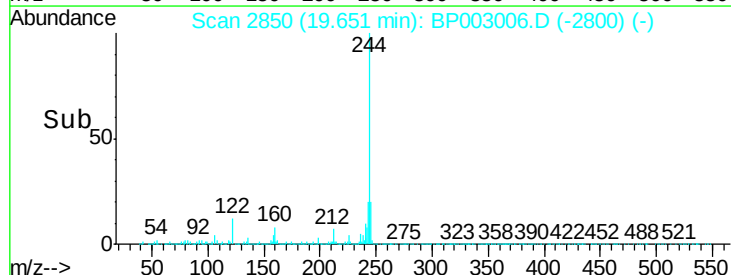
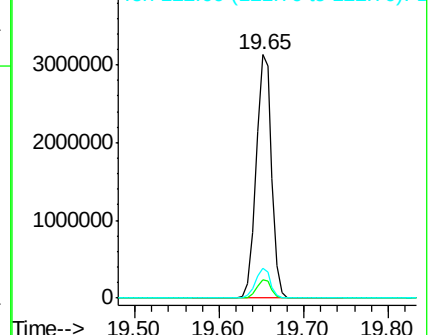
122 12.1 8.7 13.1

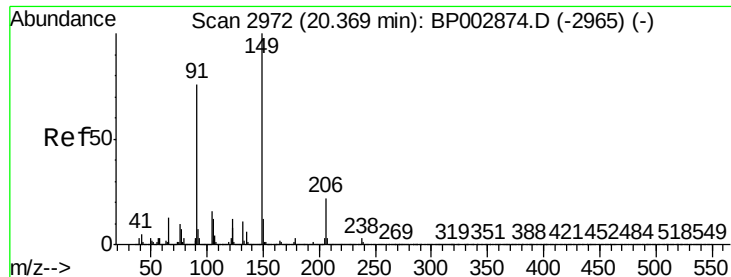


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

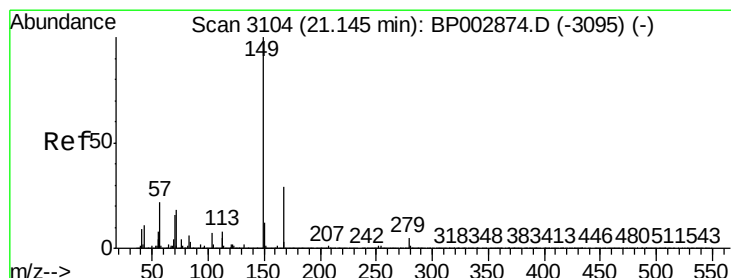
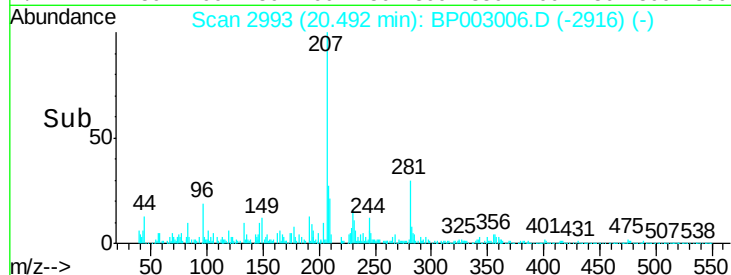
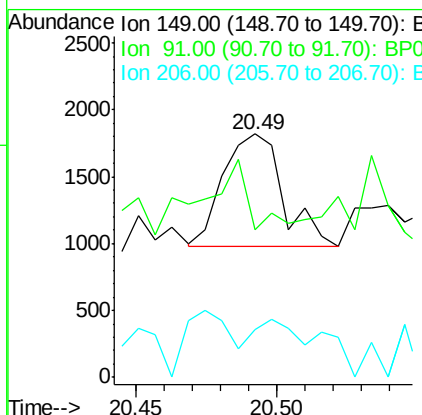
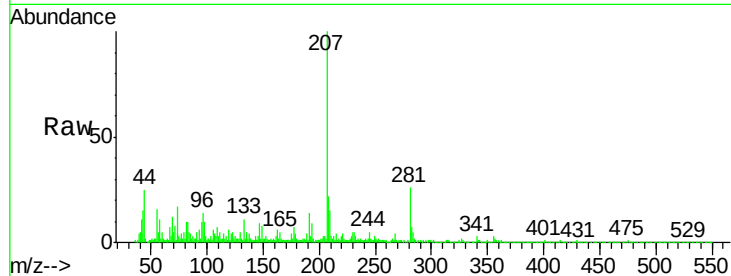




#80
Butylbenzylphthalate
Concen: 3.079 ng
RT: 20.49 min Scan# 2993
Delta R.T. 0.15 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

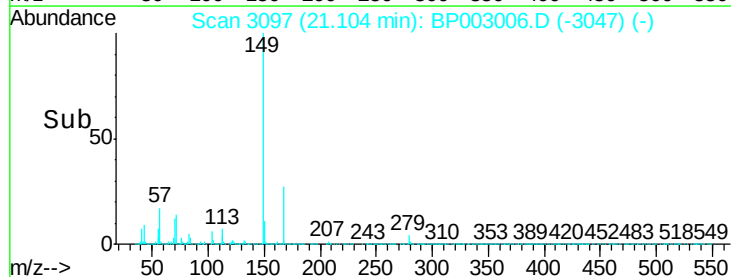
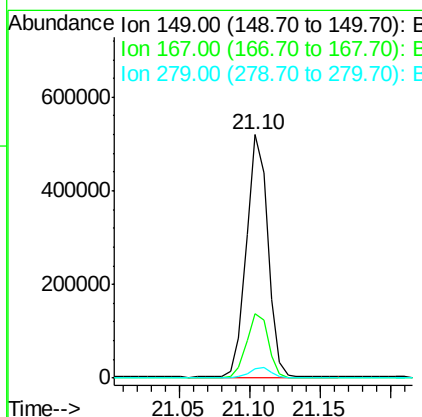
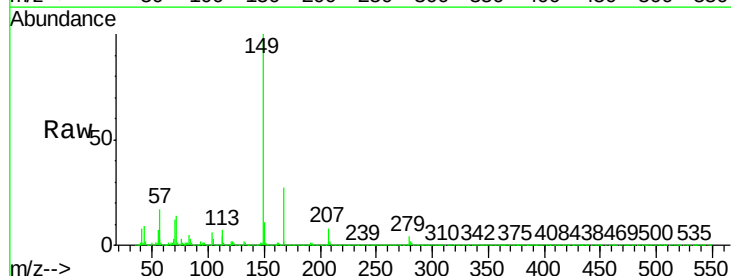
Instrument :
BNA_P
ClientSampleId :
S710-N-SO-0-0.5-081320

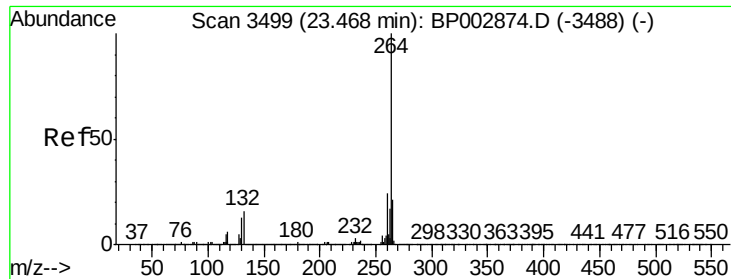
Tot Ion	Ratio	Lower	Upper
149	100		
91	60.7	45.3	67.9
206	19.5	17.5	26.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.483 ng
RT: 21.10 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.9	34.3
279	3.6	3.8	5.8



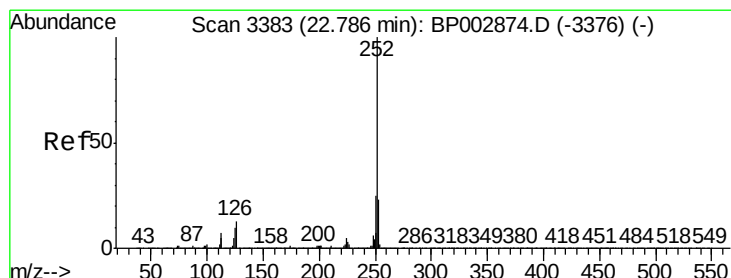
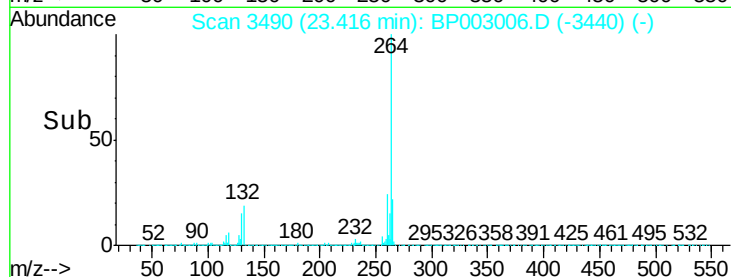
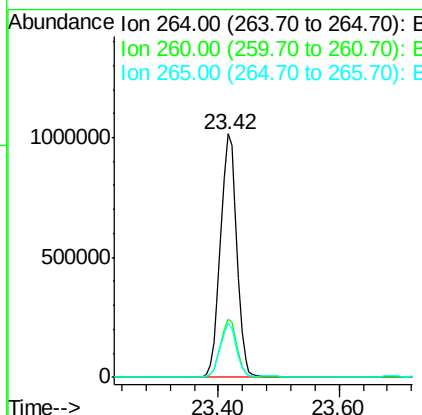
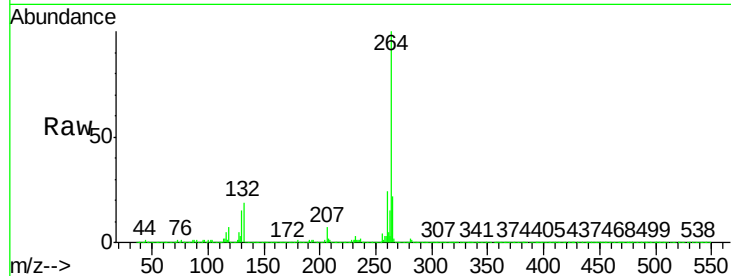


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3490
Delta R.T. -0.01 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

Instrument :
BNA_P
ClientSampleId :
S710-N-SO-0-0.5-081320

Tot Ion:264 Resp: 1905049

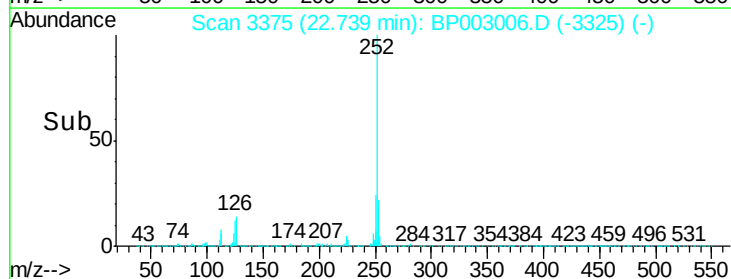
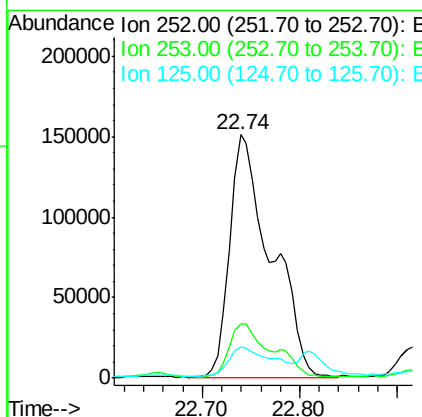
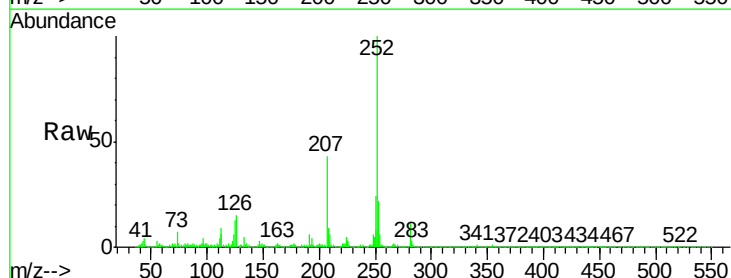
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	17.3	25.9

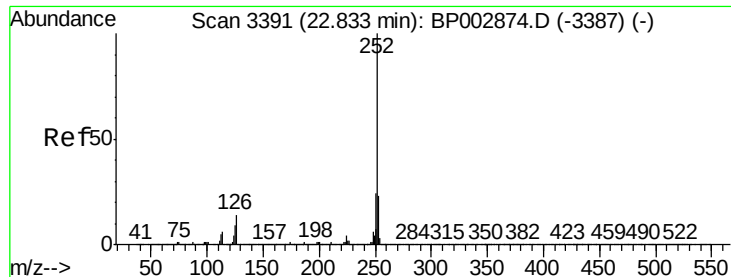


#88
Benzo(b)fluoranthene
Concen: 3.305 ng
RT: 22.74 min Scan# 3375
Delta R.T. -0.01 min
Lab File: BP003006.D
Acq: 17 Aug 2020 17:10

Tgt Ion:252 Resp: 444338

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	12.7	9.4	14.2





#89

Benzo(k)fluoranthene

Concen: 3.497 ng

RT: 22.74 min Scan# 3375

Delta R.T. -0.05 min

Lab File: BP003006.D

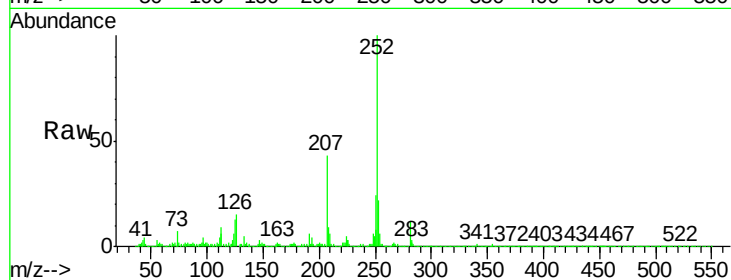
Acq: 17 Aug 2020 17:10

Instrument :

BNA_P

ClientSampleId :

S710-N-SO-0-0.5-081320



Tot Ion:	252	Resp:	444338
Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.3	27.5
125	12.7	9.3	13.9

