

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\
 Data File : BP003008.D
 Acq On : 17 Aug 2020 18:19
 Operator : CG/JU
 Sample : L3691-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S707-N-SO-0-0.5-081320

Quant Time: Aug 18 01:14:26 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	361360	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1271409	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	738245	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	1545996	20.00	ng	0.00
76) Chrysene-d12	21.17	240	1685589	20.00	ng	0.00
86) Perylene-d12	23.42	264	1889860	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1843104	78.06	ng	0.00
7) Phenol-d6	6.86	99	2189257	66.79	ng	0.00
23) Nitrobenzene-d5	8.83	82	1115223	47.51	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	776845	84.66	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	2796193	51.75	ng	0.00
79) Terphenyl-d14	19.65	244	3856458	45.80	ng	0.00

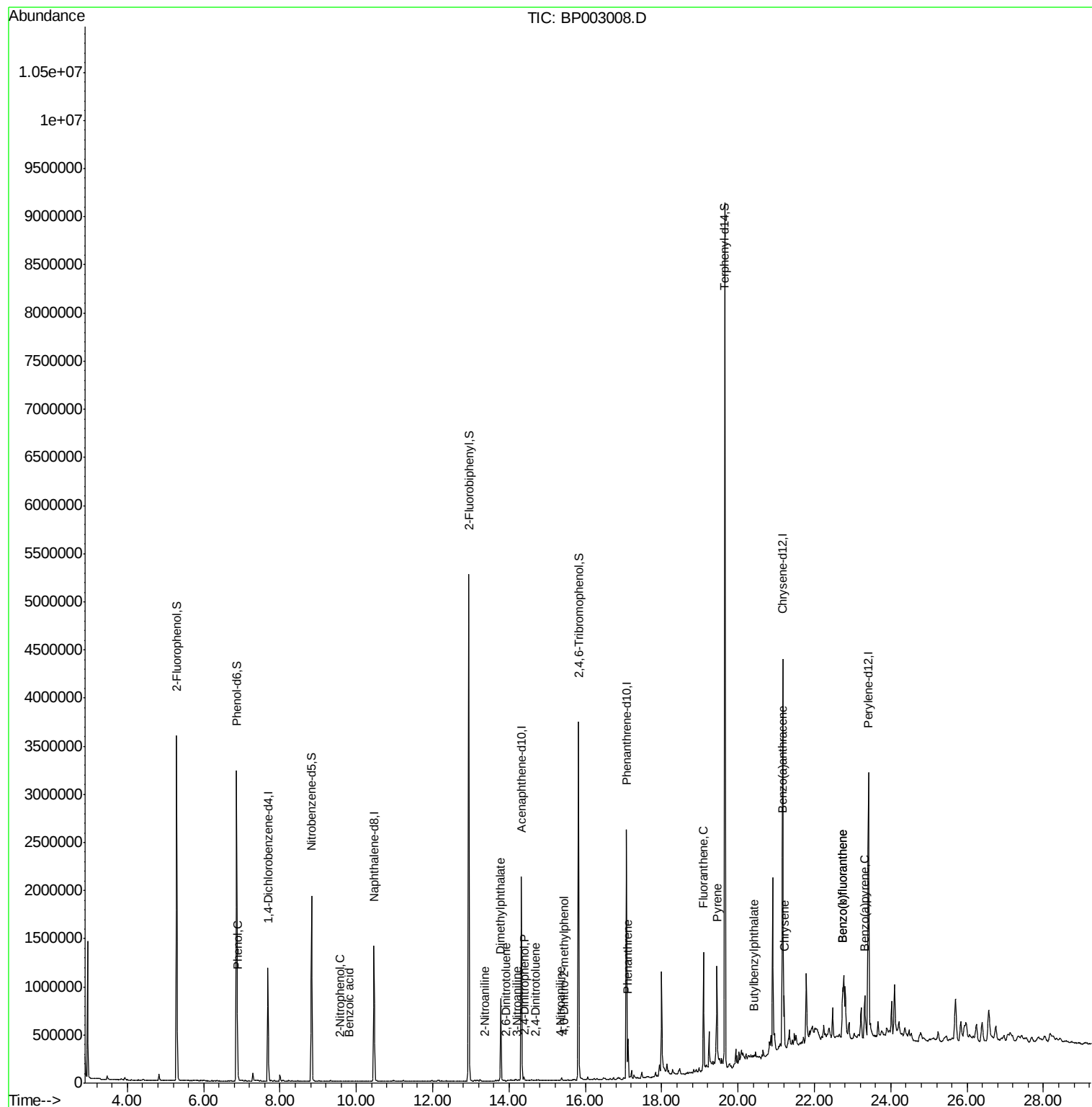
Target Compounds				Qvalue		
10) Phenol	6.89	94	89462	2.710	ng	93
26) 2-Nitrophenol	9.57	139	27	4.523	ng	# 1
32) Benzoic acid	9.81	122	352	7.711	ng	96
48) 2-Nitroaniline	13.37	65	82	3.978	ng	# 30
50) Dimethylphthalate	13.78	163	591591	10.246	ng	99
51) 2,6-Dinitrotoluene	13.91	165	197	2.914	ng	# 14
53) 3-Nitroaniline	14.22	138	209	3.288	ng	# 57
54) 2,4-Dinitrophenol	14.41	184	32	8.063	ng	# 1
57) 2,4-Dinitrotoluene	14.70	165	103	3.811	ng	# 68
62) 4-Nitroaniline	15.33	138	103	2.423	ng	91
65) 4,6-Dinitro-2-methylphenol	15.45	198	28	6.903	ng	# 1
71) Phenanthrene	17.12	178	251779	2.777	ng	98
75) Fluoranthene	19.09	202	701351	6.715	ng	100
78) Pyrene	19.44	202	614056	5.211	ng	97
80) Butylbenzylphthalate	20.40	149	1798	3.093	ng	99
81) Benzo(a)anthracene	21.15	228	285404	2.486	ng	99
83) Chrysene	21.20	228	309064	2.854	ng	98
88) Benzo(b)fluoranthene	22.74	252	466556	3.498	ng	98
89) Benzo(k)fluoranthene	22.74	252	466556	3.701	ng	99
90) Benzo(a)pyrene	23.32	252	310191	2.574	ng	98

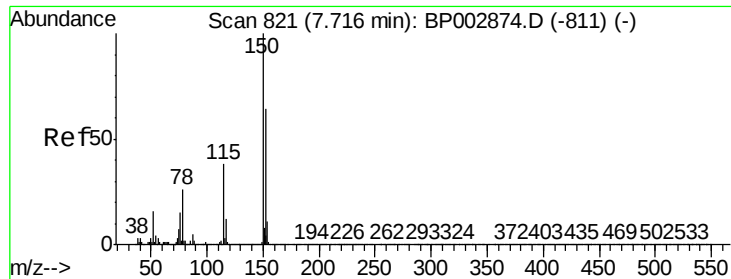
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\
Data File : BP003008.D
Acq On : 17 Aug 2020 18:19
Operator : CG/JU
Sample : L3691-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

Quant Time: Aug 18 01:14:26 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



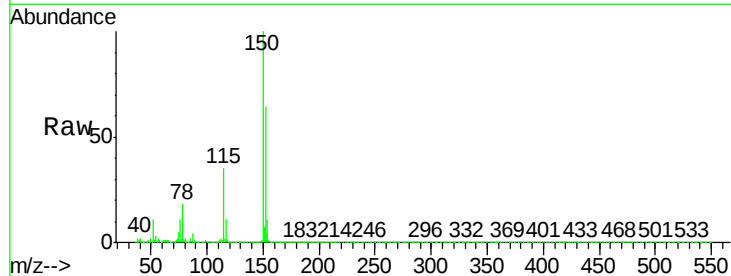


#1

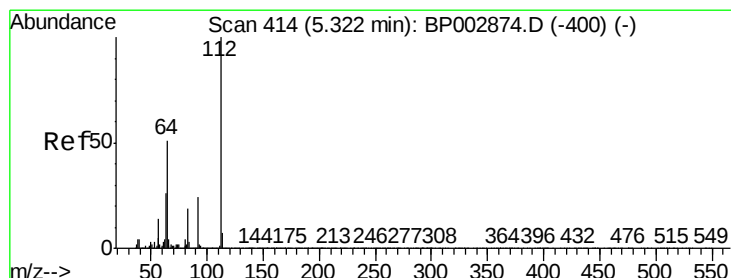
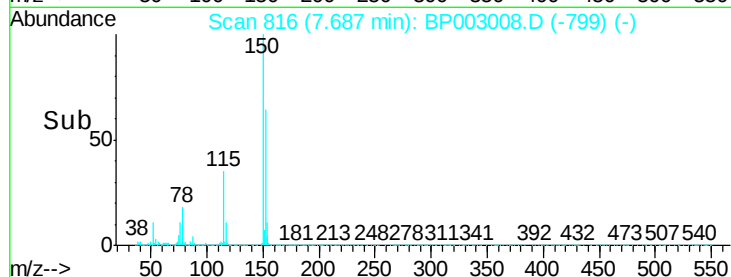
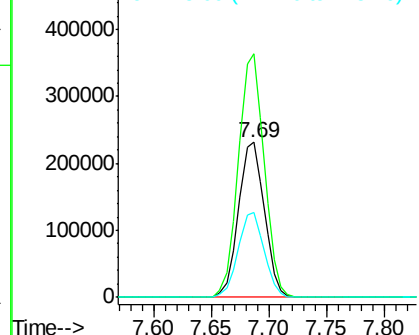
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 816
Delta R.T. -0.00 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.1	189.1
115	54.4	43.4	65.2



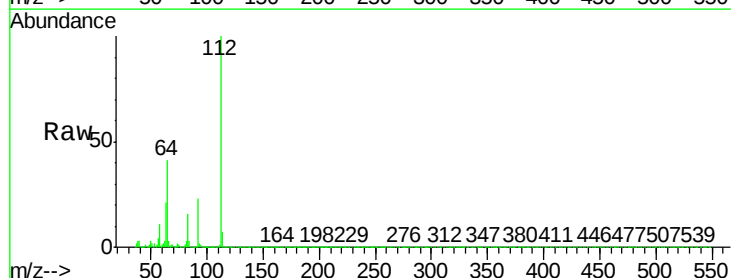
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



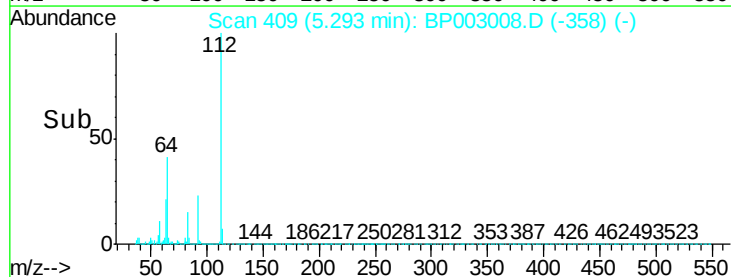
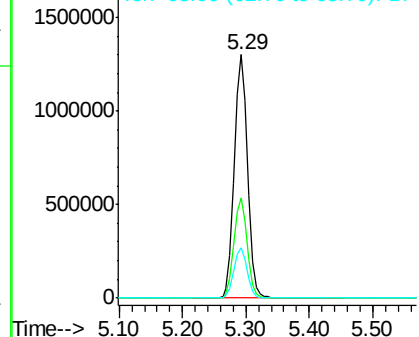
#5

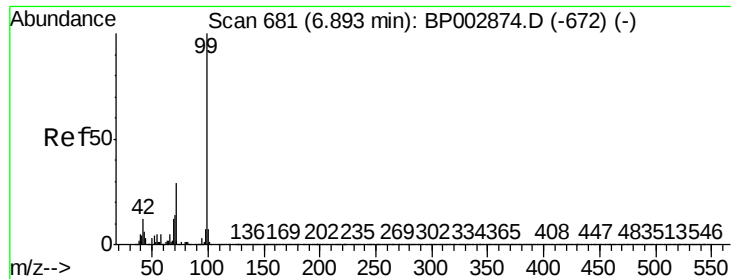
2-Fluorophenol
Concen: 78.062 ng
RT: 5.29 min Scan# 409
Delta R.T. -0.00 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.2	33.4	50.2
63	20.6	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: 66.786 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

Instrument :

BNA_P

ClientSampleId :

S707-N-SO-0-0.5-081320

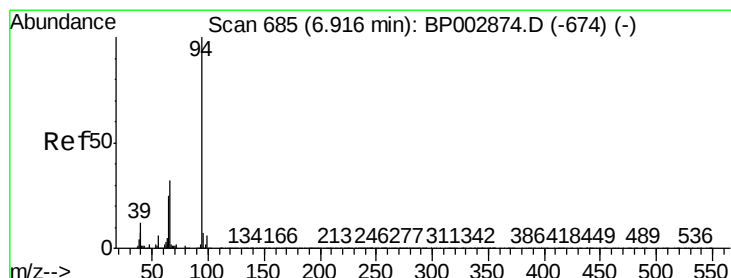
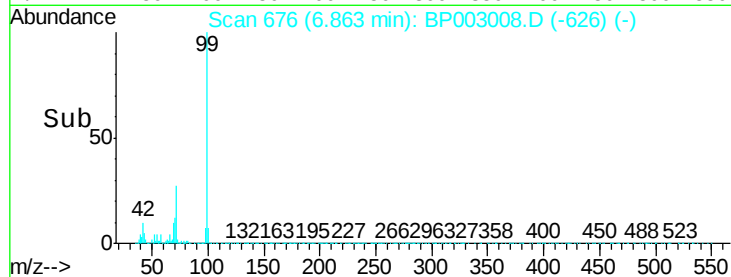
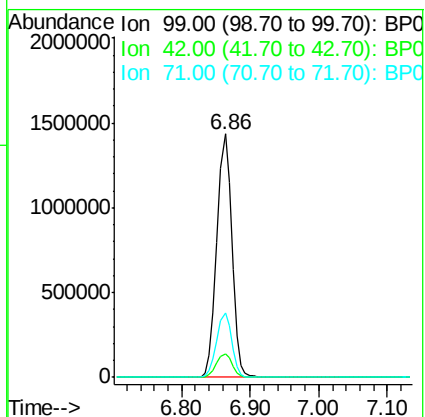
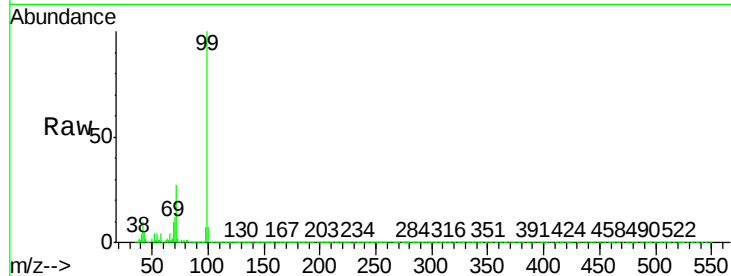
Tot Ion: 99 Resp: 2189257

Ion	Ratio	Lower	Upper
99	100		
42	9.9	8.0	12.0
71	26.6	21.3	31.9

99 100

42 9.9 8.0 12.0

71 26.6 21.3 31.9



#10

Phenol

Concen: 2.710 ng

RT: 6.89 min Scan# 680

Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

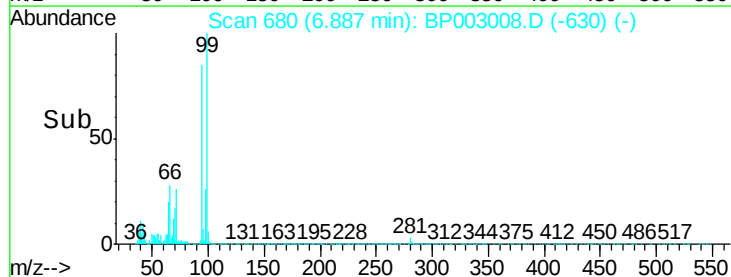
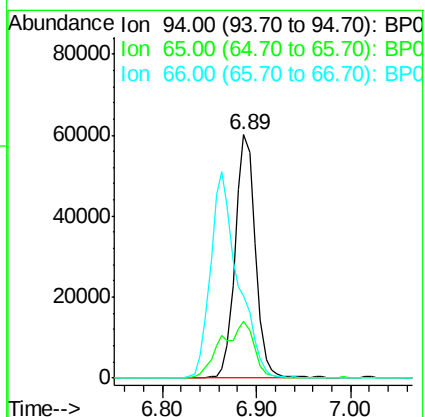
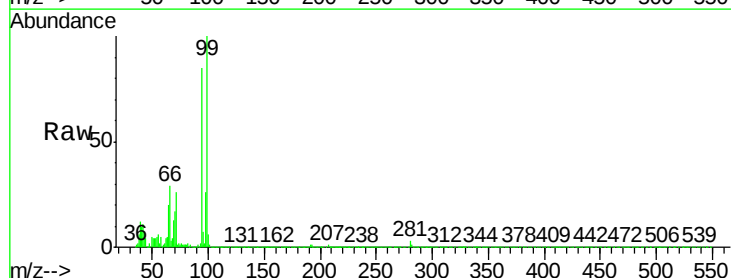
Tgt Ion: 94 Resp: 89462

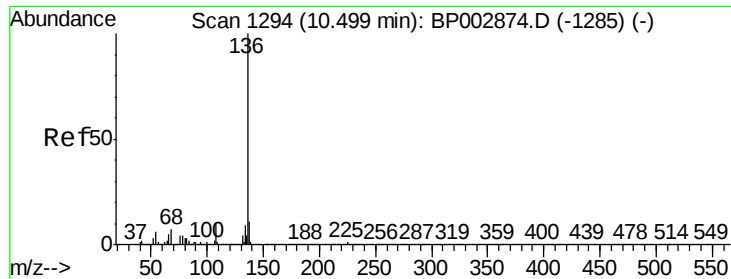
Ion	Ratio	Lower	Upper
94	100		
65	23.4	1.7	41.7
66	33.7	8.6	48.6

94 100

65 23.4 1.7 41.7

66 33.7 8.6 48.6

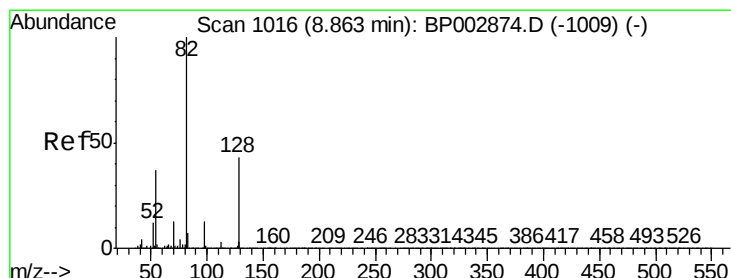
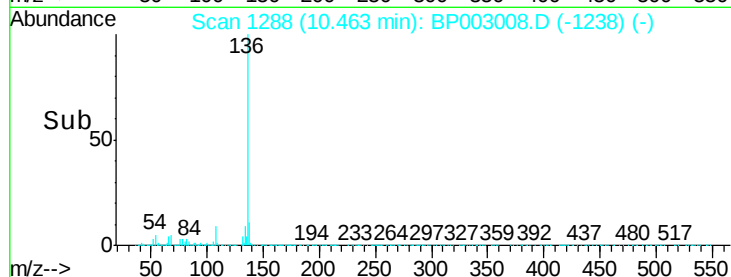
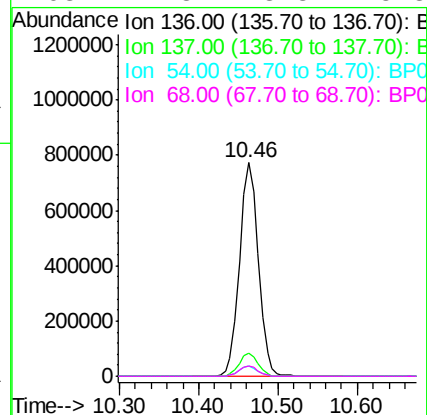
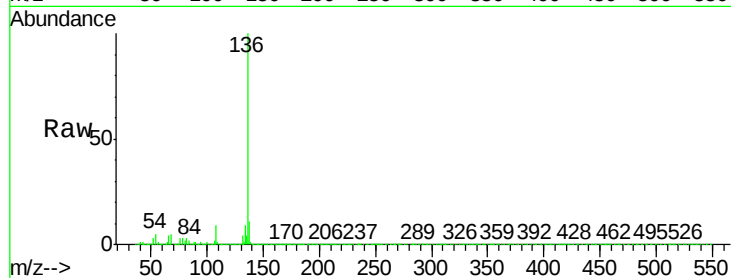




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

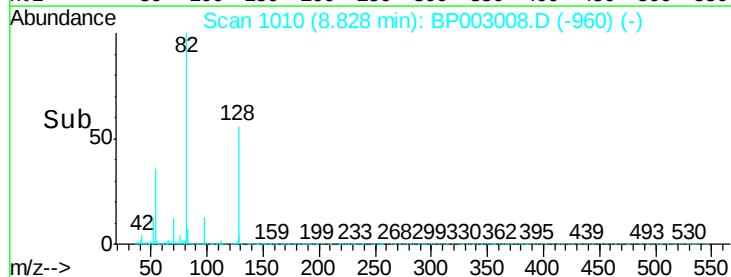
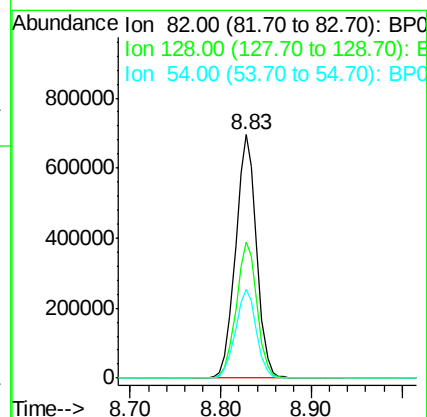
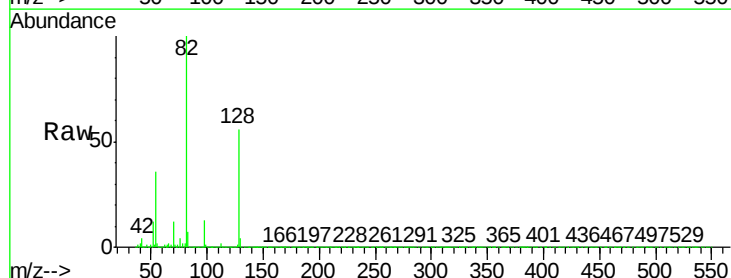
Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

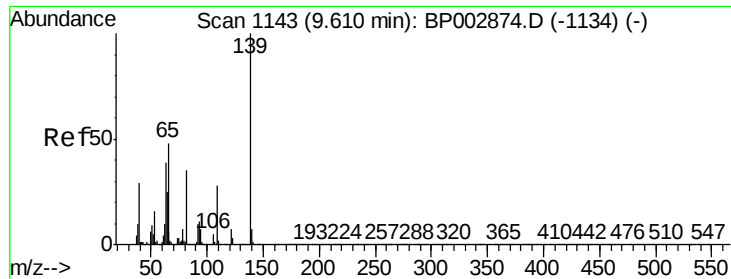
Tot Ion:136	Resp: 1271409
Ion Ratio	Lower Upper
136 100	
137 10.9	8.8 13.2
54 4.8	3.8 5.8
68 4.8	3.8 5.8



#23
Nitrobenzene-d5
Concen: 47.509 ng
RT: 8.83 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt	Ion: 82	Resp: 1115223	
Ion	Ratio	Lower	Upper
82	100		
128	55.7	45.1	67.7
54	36.3	28.8	43.2

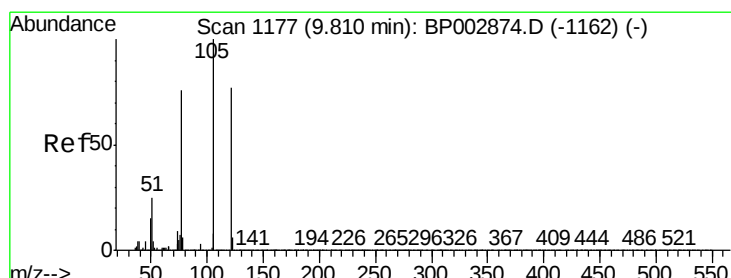
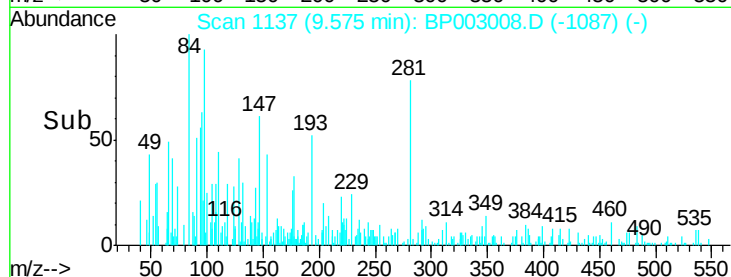
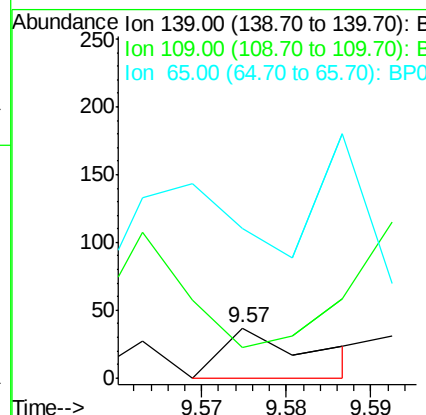
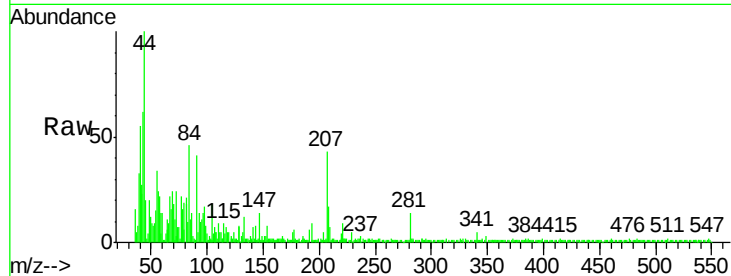




#26
2-Nitrophenol
Concen: 4.523 ng
RT: 9.57 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

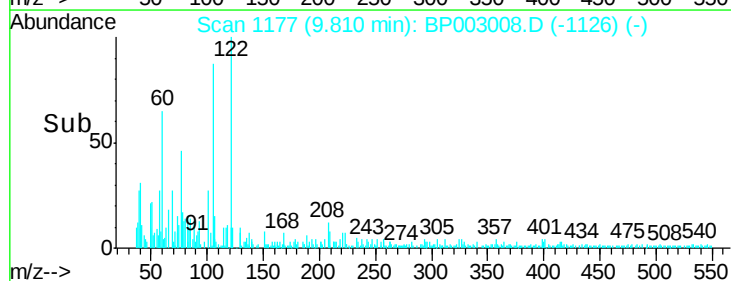
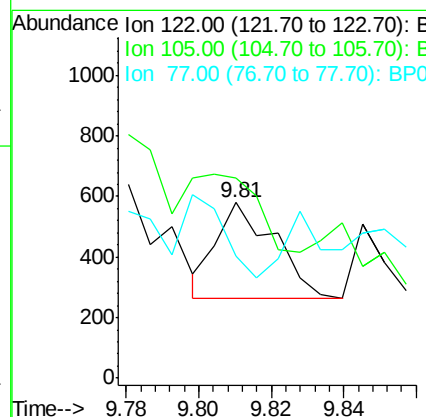
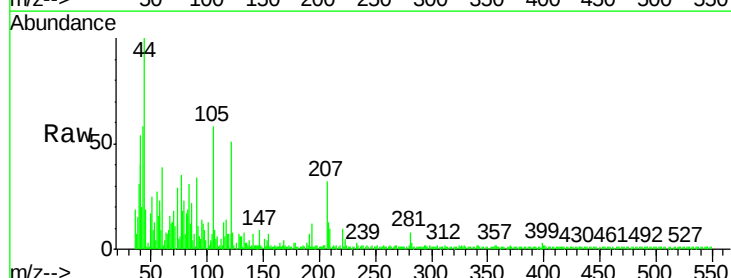
Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

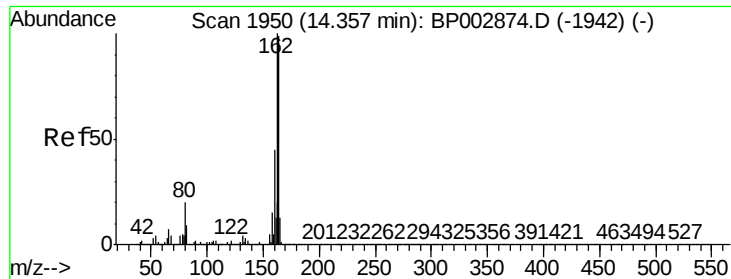
Tot Ion	Ratio	Lower	Upper
139	100		
109	59.5	21.0	31.6#
65	297.3	27.2	40.8#



#32
Benzoic acid
Concen: 7.711 ng
RT: 9.81 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt Ion	Ratio	Lower	Upper
122	100		
105	114.0	96.2	136.2
77	69.4	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: BP003008.D

Acq: 17 Aug 2020 18:19

Instrument :

BNA_P

ClientSampleId :

S707-N-SO-0-0.5-081320

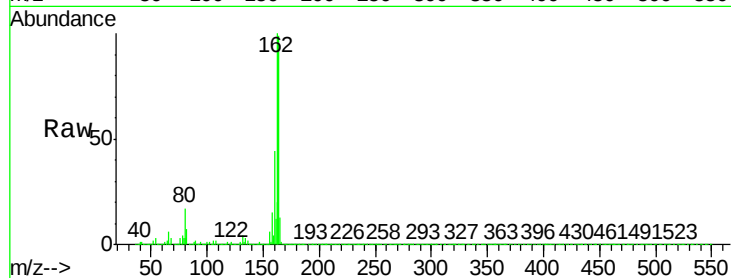
Tot Ion:164 Resp: 738245

Ion Ratio Lower Upper

164 100

162 101.5 81.4 122.0

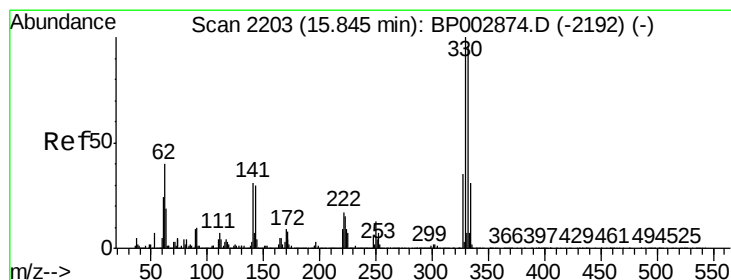
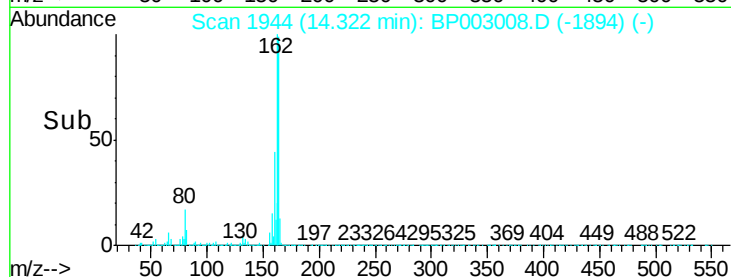
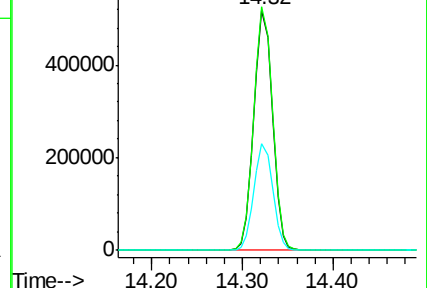
160 44.4 35.5 53.3



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: 84.665 ng

RT: 15.82 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

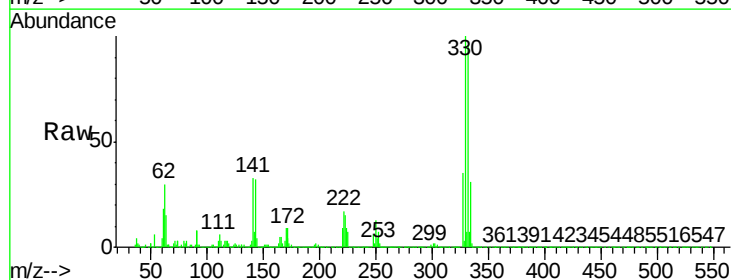
Tgt Ion:330 Resp: 776845

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

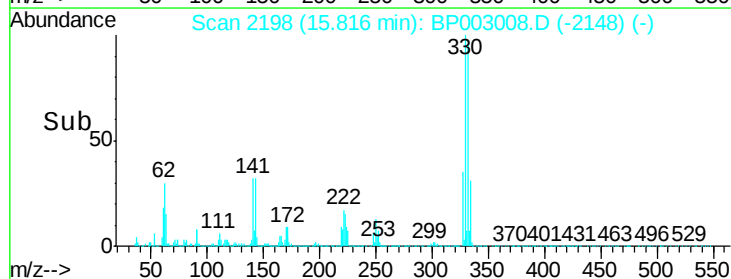
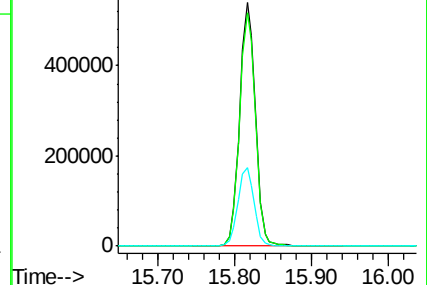
141 33.2 26.7 40.1

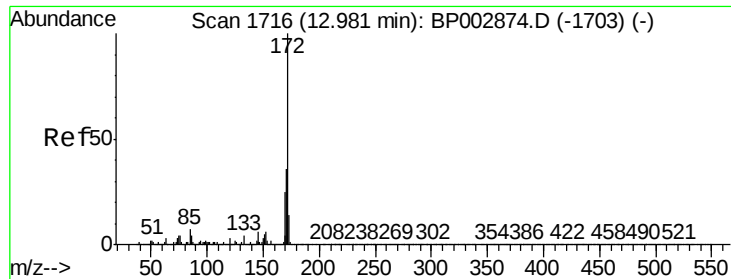


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

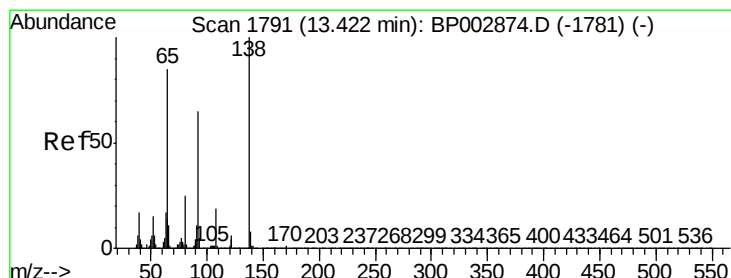
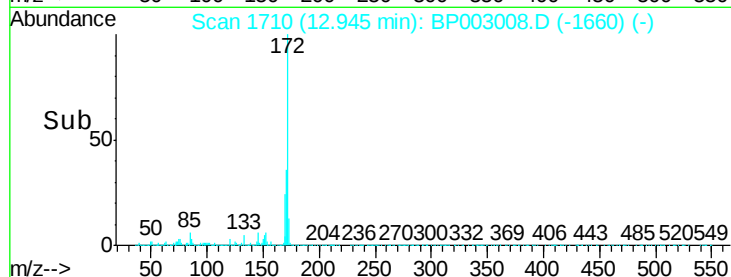
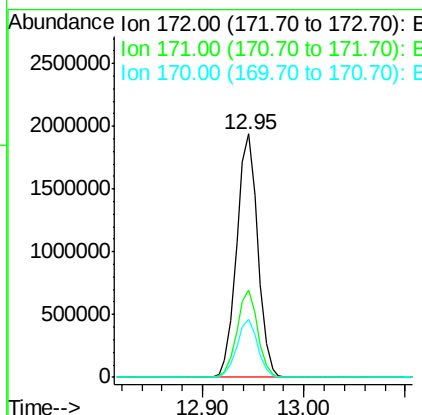
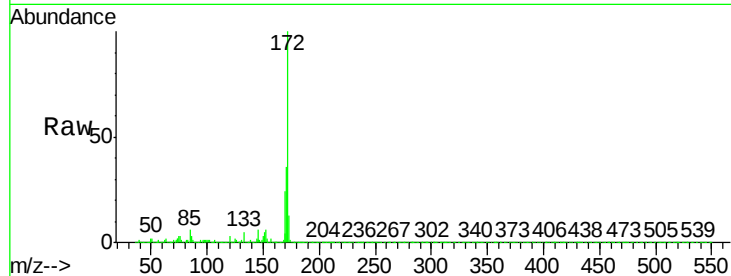




#45
2-Fluorobiphenyl
Concen: 51.750 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

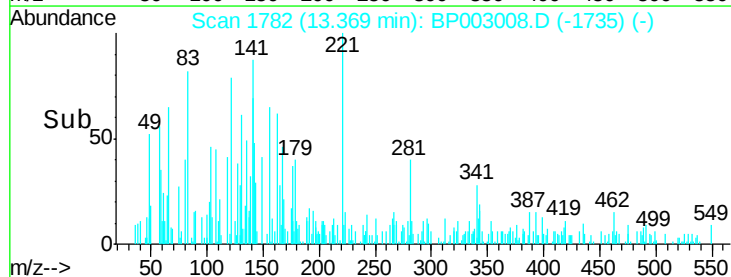
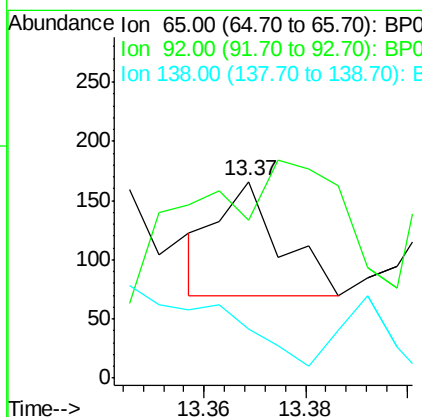
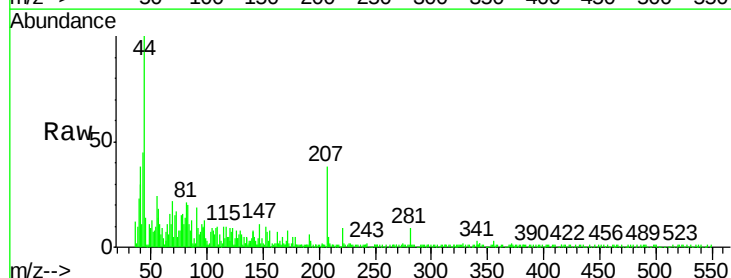
Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

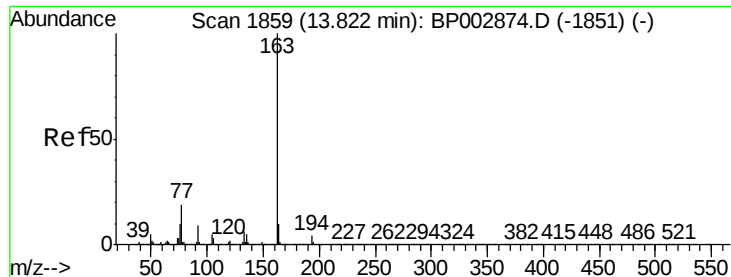
Tot Ion:172 Resp: 2796193
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.6 19.1 28.7



#48
2-Nitroaniline
Concen: 3.978 ng
RT: 13.37 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt Ion: 65 Resp: 82
Ion Ratio Lower Upper
65 100
92 80.1 70.1 105.1
138 25.3 129.7 194.5#





#50

Dimethylphthalate

Concen: 10.246 ng

RT: 13.78 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

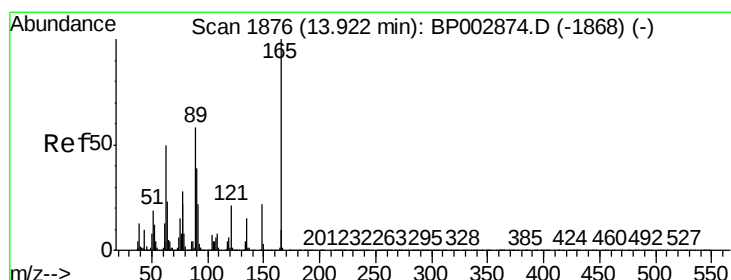
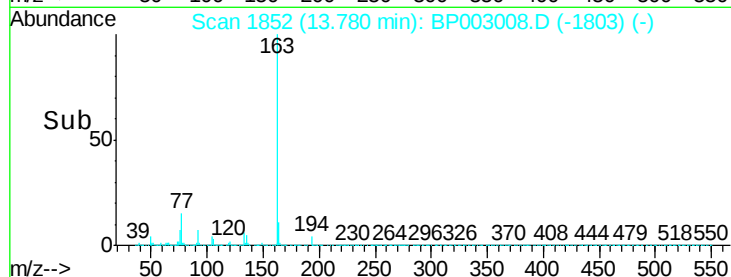
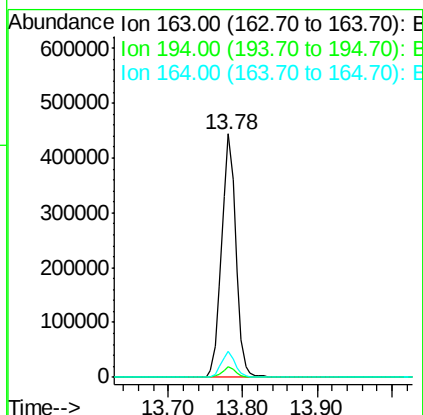
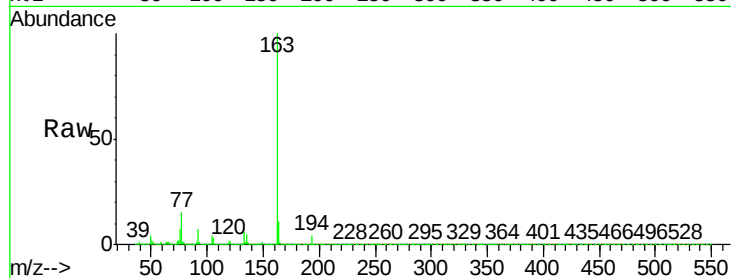
Instrument :

BNA_P

ClientSampleId :

S707-N-SO-0-0.5-081320

Tot Ion:163	Resp:	591591
Ion Ratio	Lower	Upper
163	100	
194	4.2	3.3 4.9
164	10.5	8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 2.914 ng

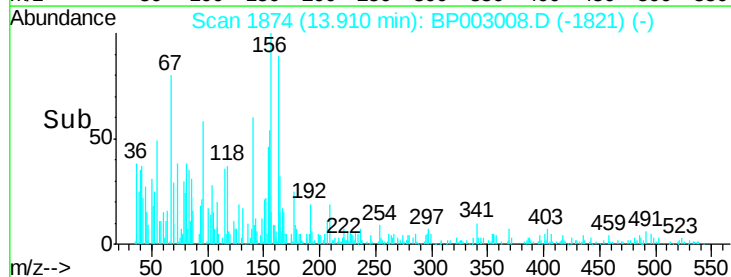
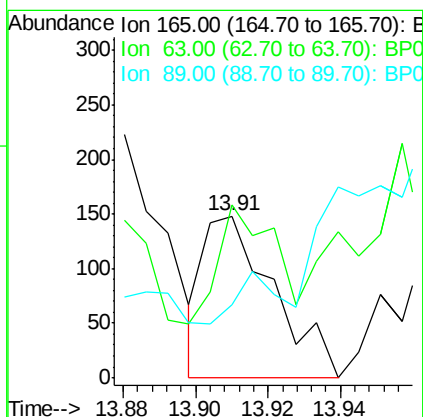
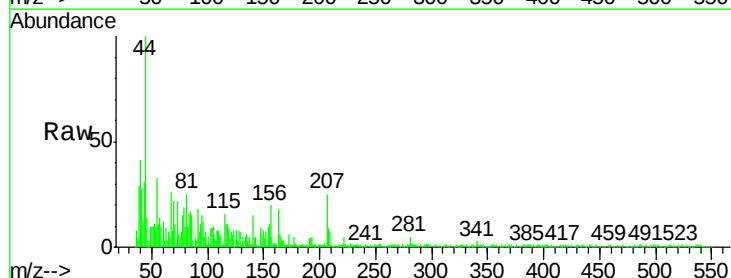
RT: 13.91 min Scan# 1874

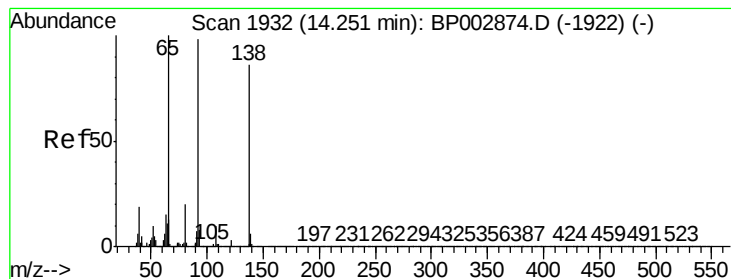
Delta R.T. 0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

Tgt Ion:165	Resp:	197
Ion Ratio	Lower	Upper
165	100	
63	144.6	28.1 42.1#
89	45.3	34.5 51.7





#53

3-Nitroaniline

Concen: 3.288 ng

RT: 14.22 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

Instrument :

BNA_P

ClientSampleId :

S707-N-SO-0-0.5-081320

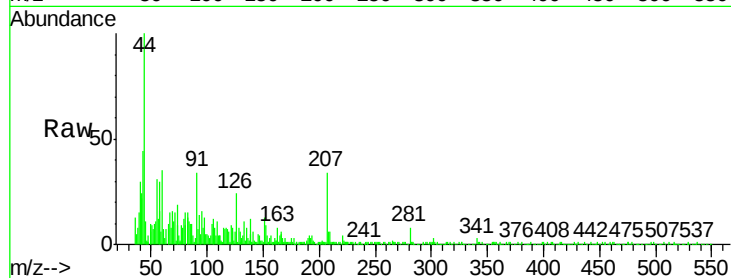
Tot Ion:138 Resp: 209

Ion Ratio Lower Upper

138 100

108 33.8 7.7 11.5#

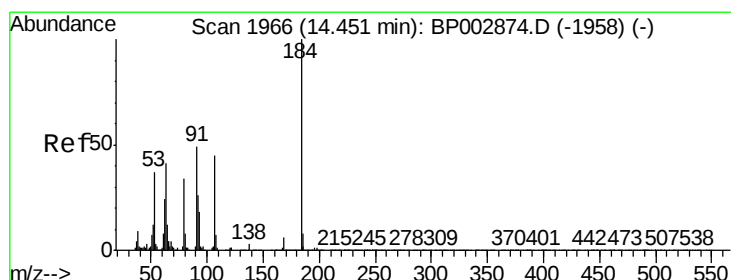
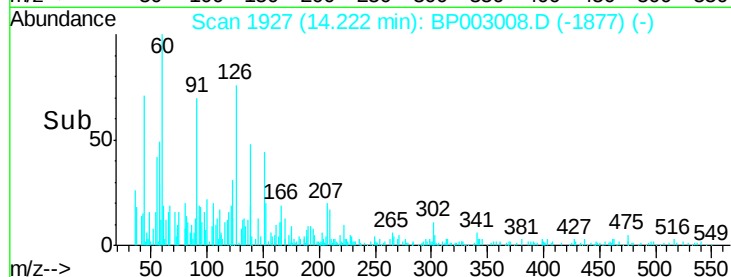
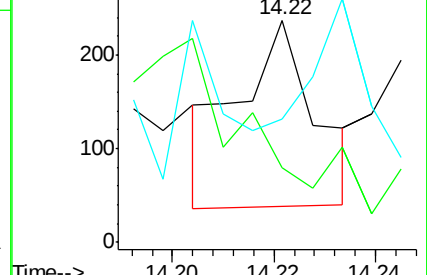
92 55.3 75.6 113.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BP0



#54

2,4-Dinitrophenol

Concen: 8.063 ng

RT: 14.41 min Scan# 1959

Delta R.T. -0.02 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

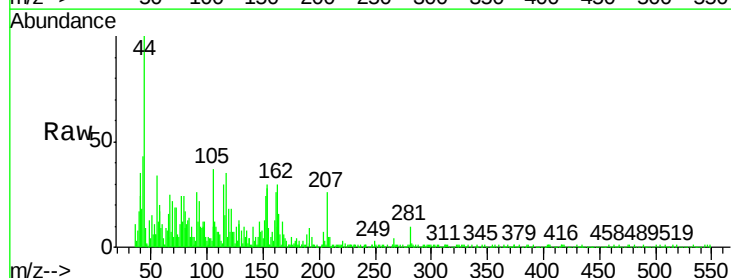
Tgt Ion:184 Resp: 32

Ion Ratio Lower Upper

184 100

63 423.7 33.0 49.6#

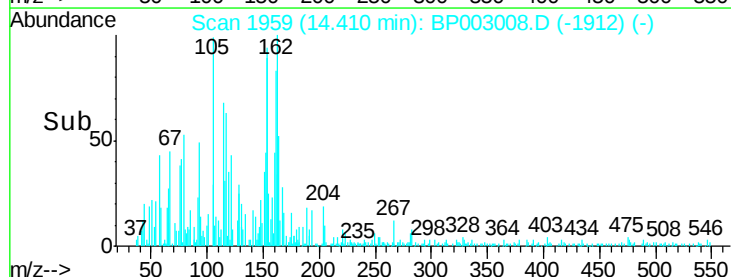
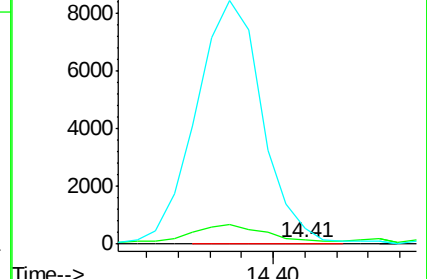
154 1402.6 46.8 70.2#

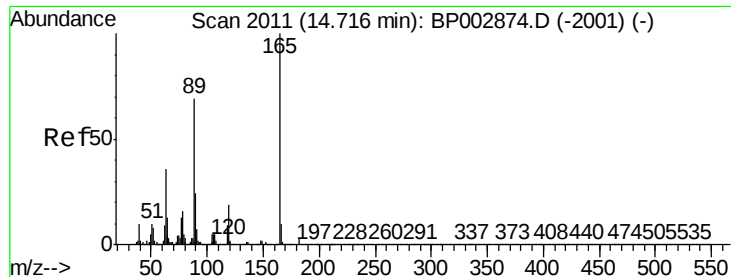


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

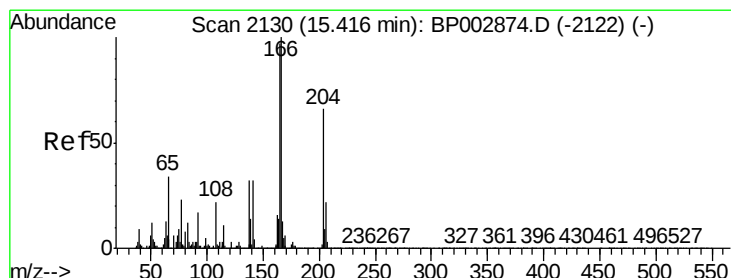
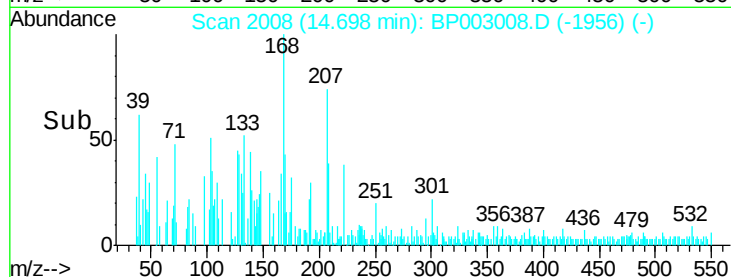
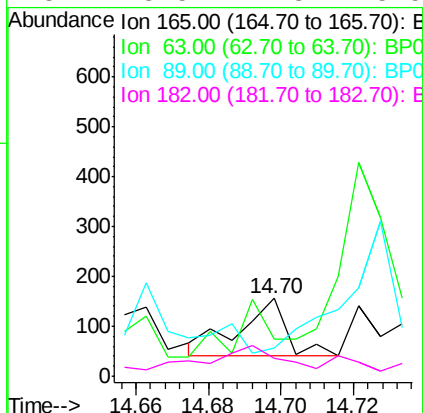
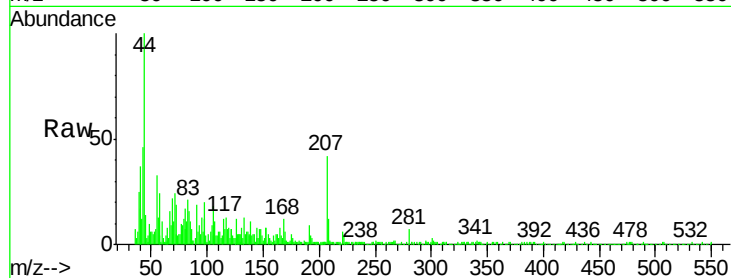




#57
2,4-Dinitrotoluene
Concen: 3.811 ng
RT: 14.70 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

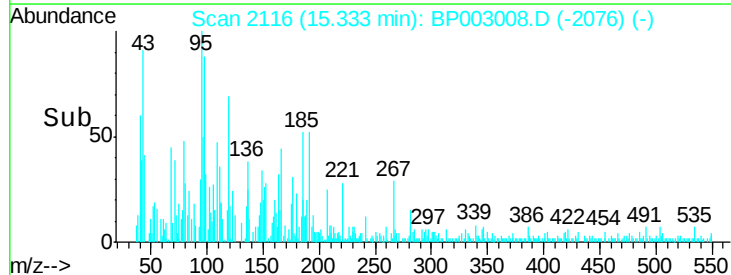
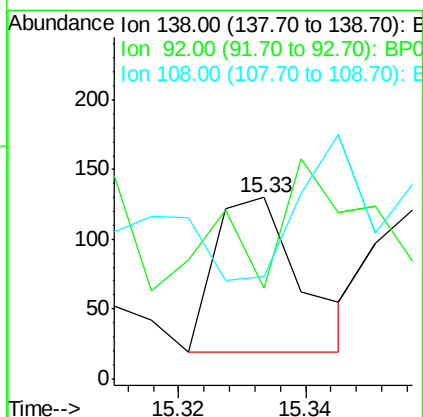
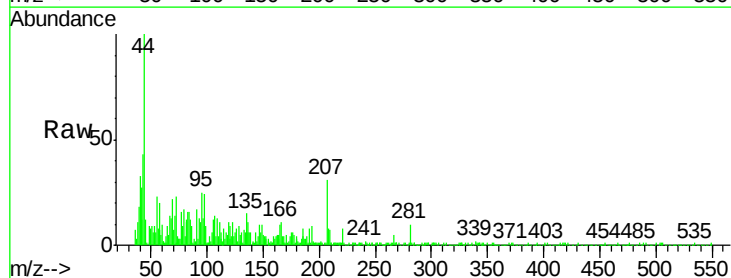
Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

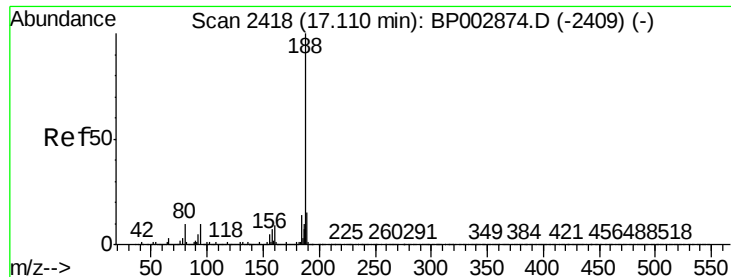
Tot Ion:165	Resp: 103
Ion Ratio	Lower Upper
165 100	
63 31.9	20.6 31.0#
89 24.1	43.4 65.0#
182 15.5	2.3 3.5#



#62
4-Nitroaniline
Concen: 2.423 ng
RT: 15.33 min Scan# 2116
Delta R.T. -0.07 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt Ion	138	Resp: Lower	103 Upper
138	100		
92	50.0	21.4	61.4
108	56.2	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: BP003008.D

Acq: 17 Aug 2020 18:19

Instrument :

BNA_P

ClientSampleId :

S707-N-SO-0-0.5-081320

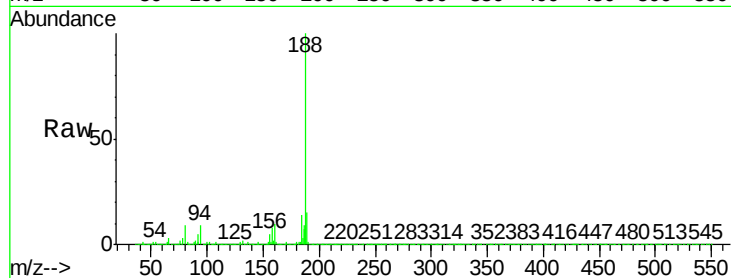
Tot Ion:188 Resp: 1545996

Ion Ratio Lower Upper

188 100

94 9.0 7.1 10.7

80 8.9 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

1500000

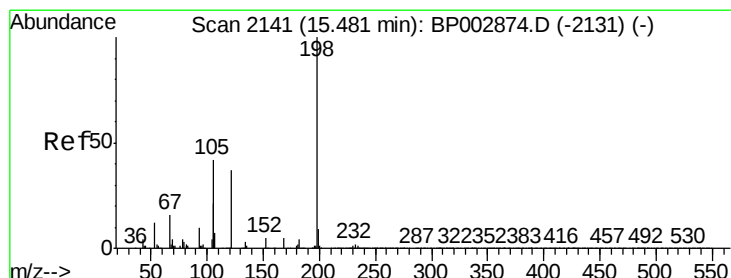
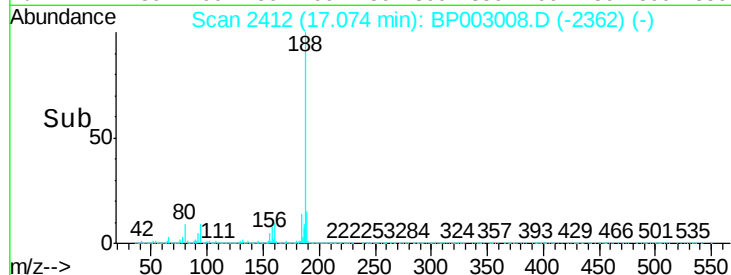
1000000

500000

0

17.07

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.903 ng

RT: 15.45 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

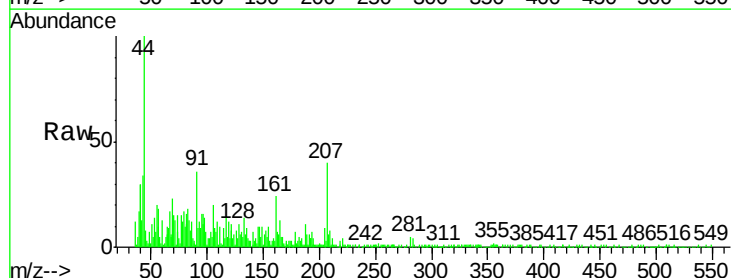
Tgt Ion:198 Resp: 28

Ion Ratio Lower Upper

198 100

51 968.2 6.2 46.2#

105 1763.6 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

600

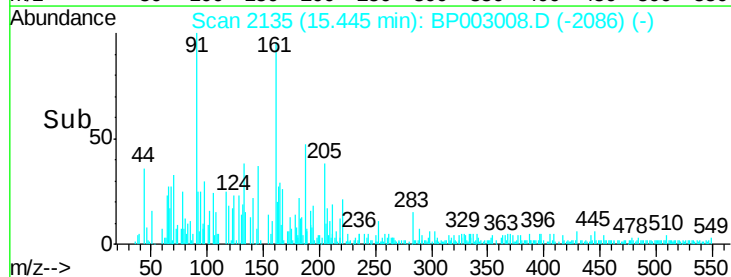
400

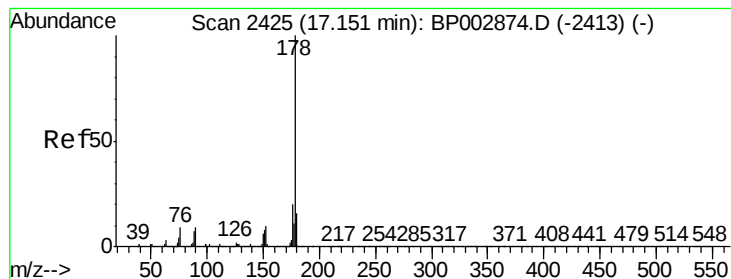
200

0

15.45

Time-->





#71

Phenanthrene

Concen: 2.777 ng

RT: 17.12 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

Instrument :

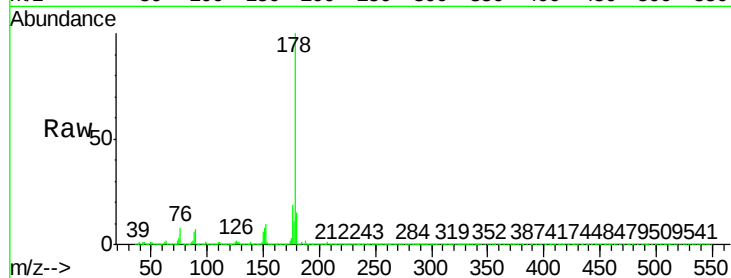
BNA_P

ClientSampleId :

S707-N-SO-0-0.5-081320

Tot Ion:178 Resp: 251779

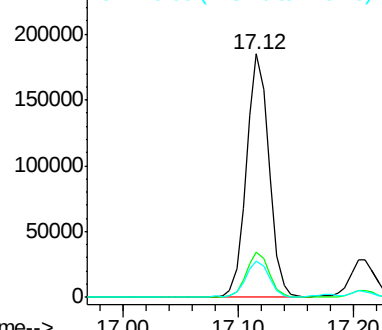
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.1	12.9	19.3



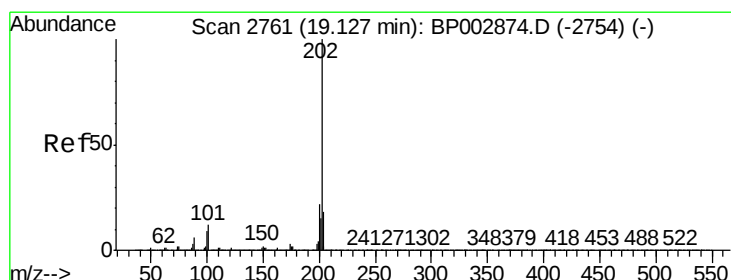
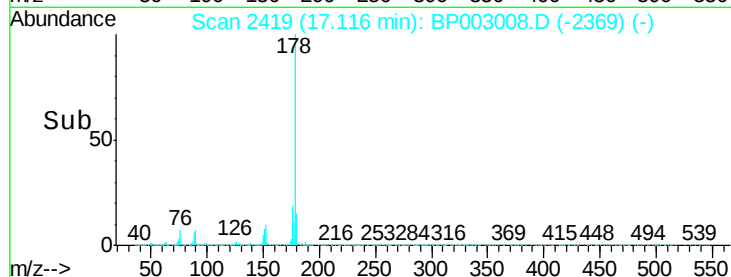
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 6.715 ng

RT: 19.09 min Scan# 2755

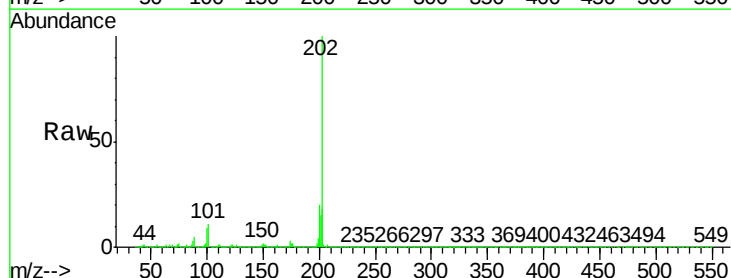
Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

Tgt Ion:202 Resp: 701351

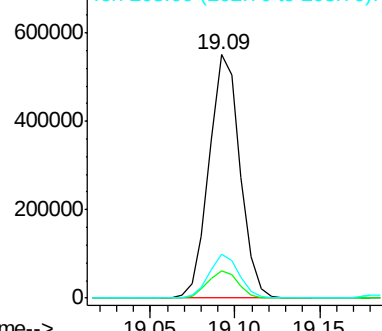
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	18.1	0.0	38.4



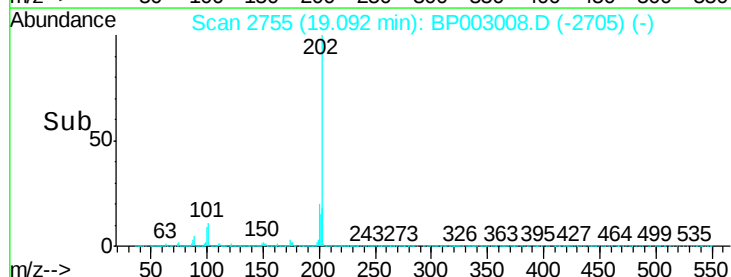
Abundance Ion 202.00 (201.70 to 202.70): E

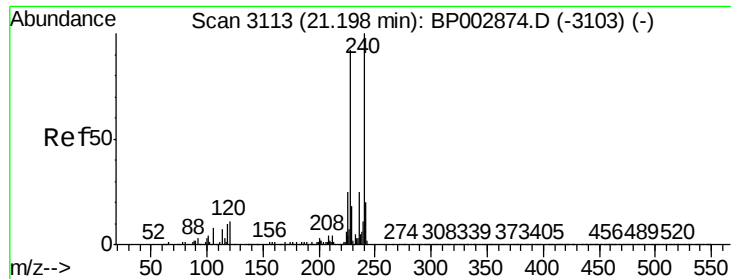
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

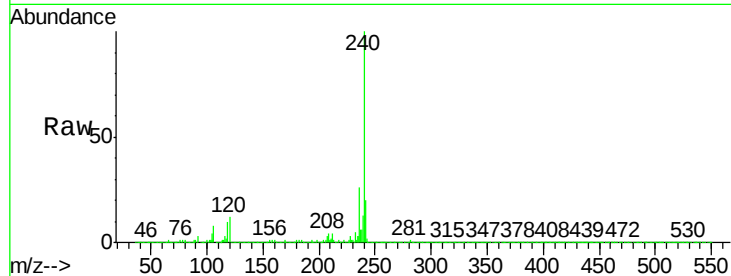




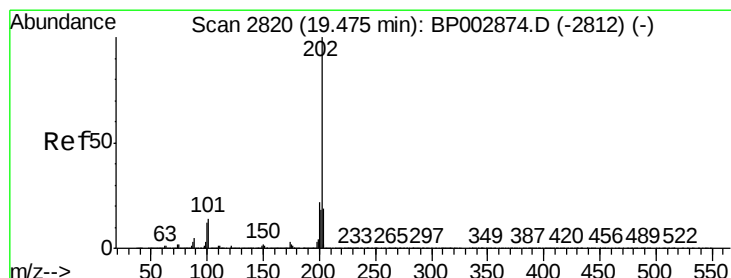
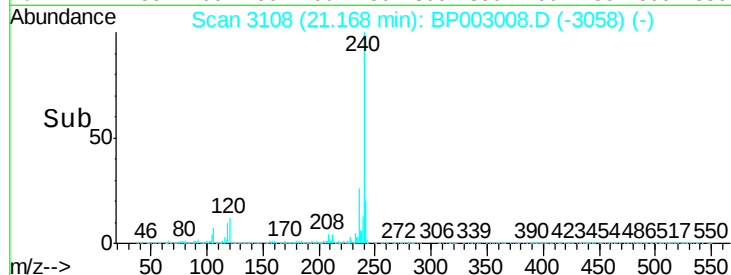
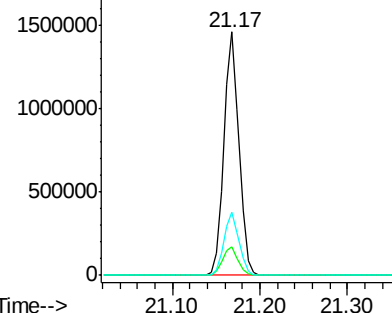
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

Tot Ion:240 Resp: 1685589
Ion Ratio Lower Upper
240 100
120 11.6 9.5 14.3
236 25.9 20.8 31.2

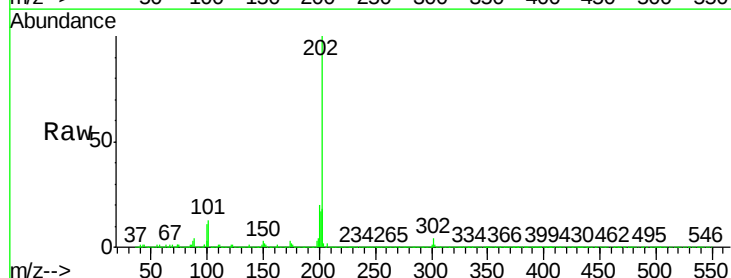


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

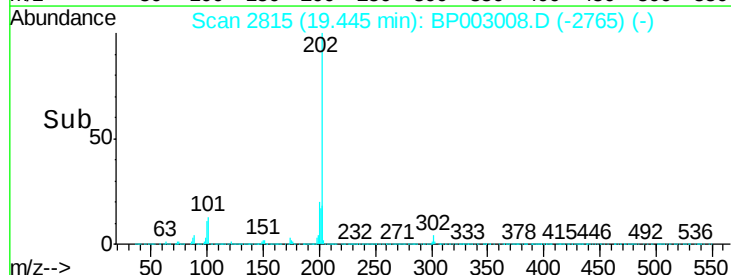
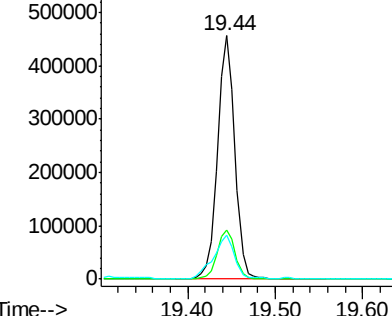


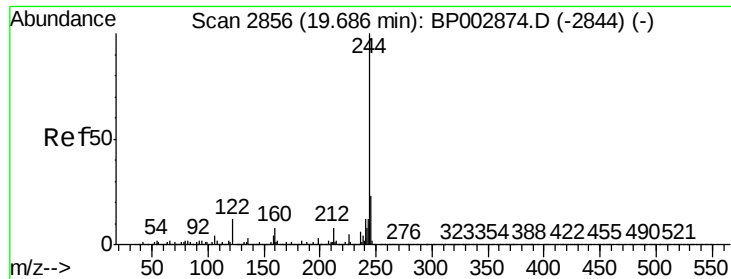
#78
Pyrene
Concen: 5.211 ng
RT: 19.44 min Scan# 2815
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt Ion:202 Resp: 614056
Ion Ratio Lower Upper
202 100
200 20.2 17.8 26.6
203 18.0 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: 45.803 ng

RT: 19.65 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

Instrument :

BNA_P

ClientSampleId :

S707-N-SO-0-0.5-081320

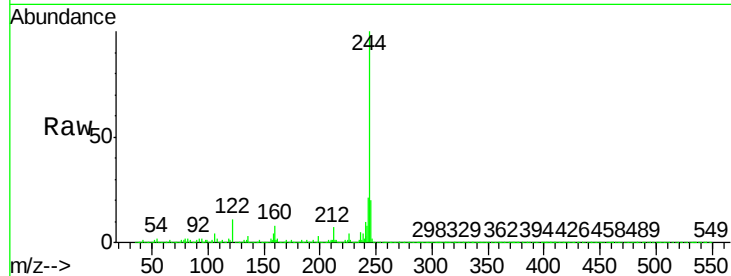
Tot Ion:244 Resp: 3856458

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

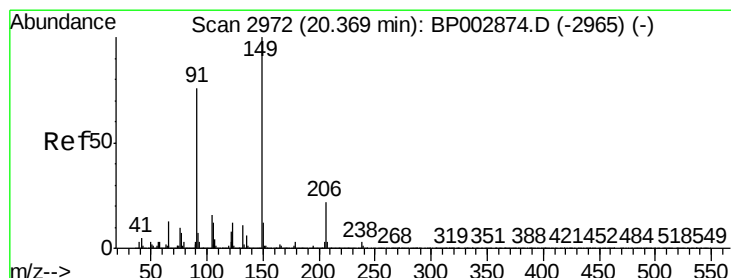
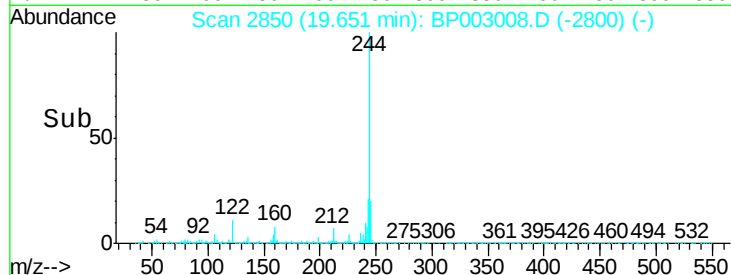
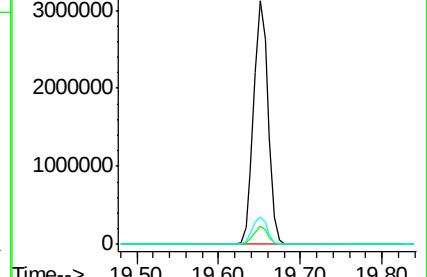
122 11.5 8.7 13.1



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: 3.093 ng

RT: 20.40 min Scan# 2978

Delta R.T. 0.06 min

Lab File: BP003008.D

Acq: 17 Aug 2020 18:19

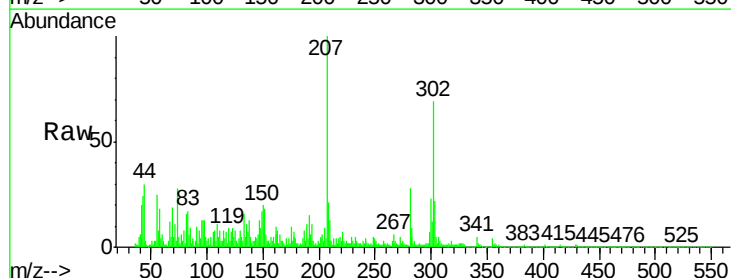
Tgt Ion:149 Resp: 1798

Ion Ratio Lower Upper

149 100

91 56.1 45.3 67.9

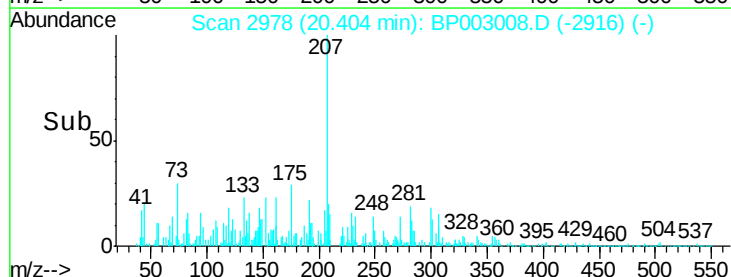
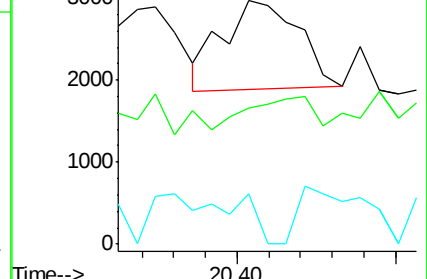
206 20.9 17.5 26.3

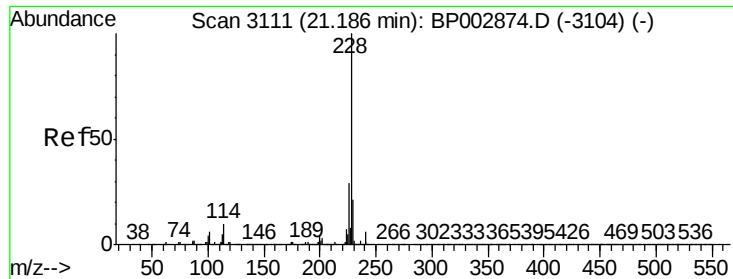


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

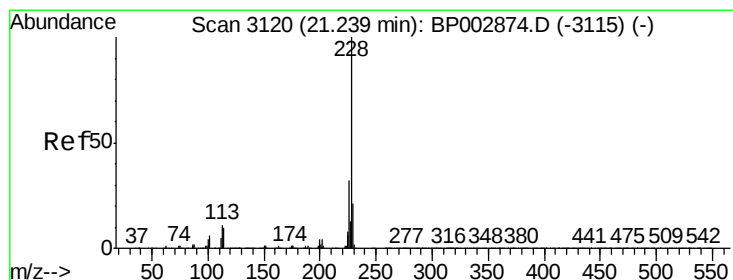
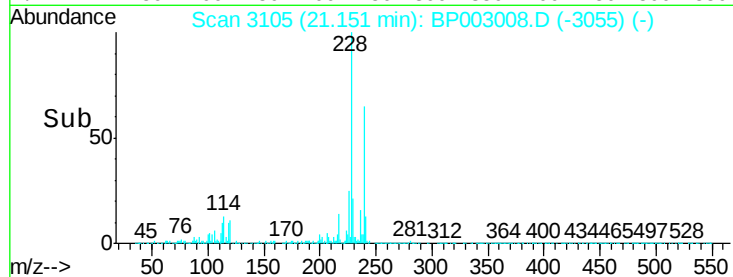
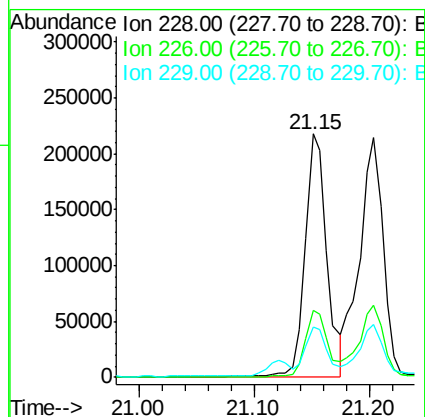
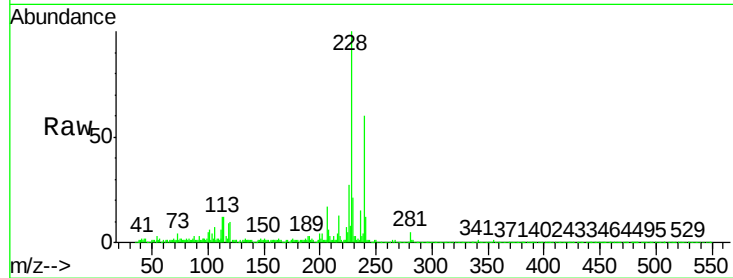




#81
Benzo(a)anthracene
Concen: 2.486 ng
RT: 21.15 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

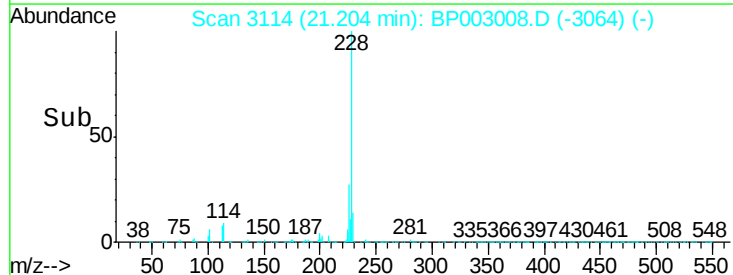
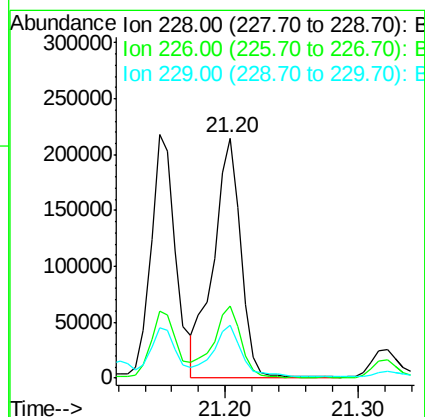
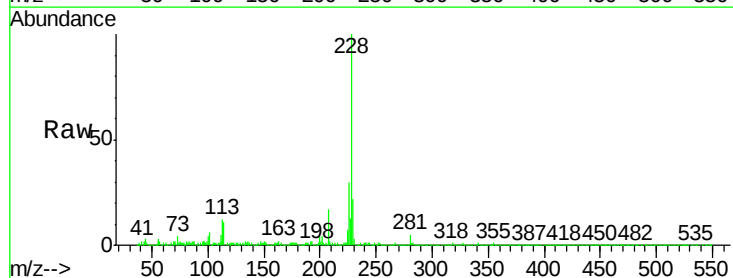
Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

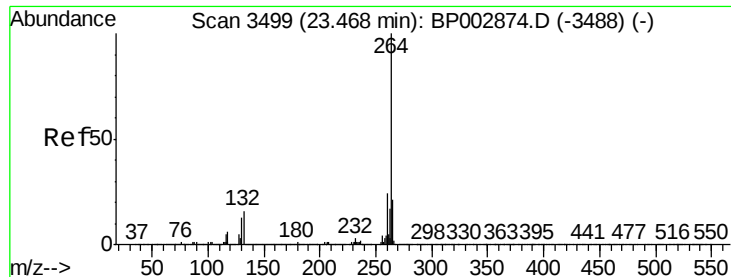
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.7	16.5	24.7



#83
Chrysene
Concen: 2.854 ng
RT: 21.20 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	22.1	16.3	24.5



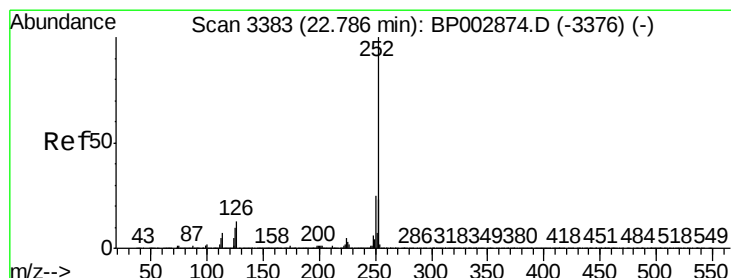
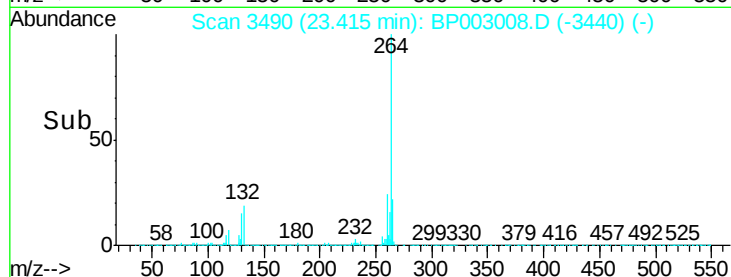
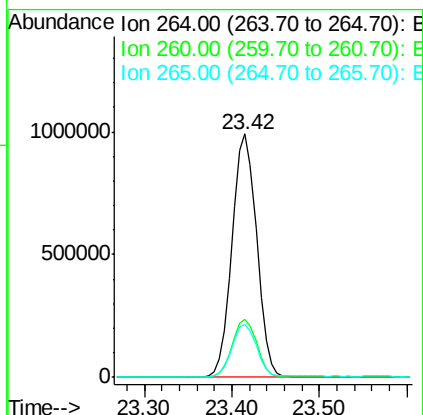
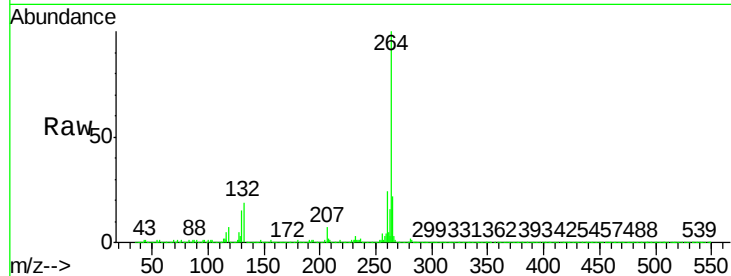


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3490
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

Tot Ion:264 Resp: 1889860

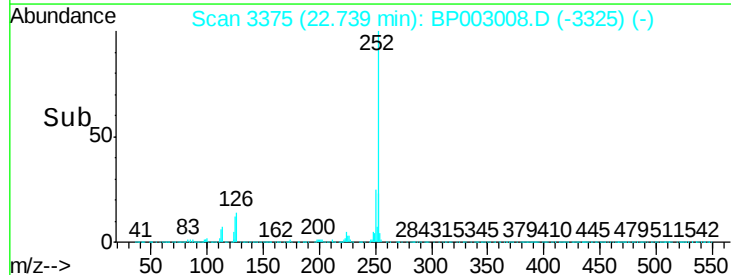
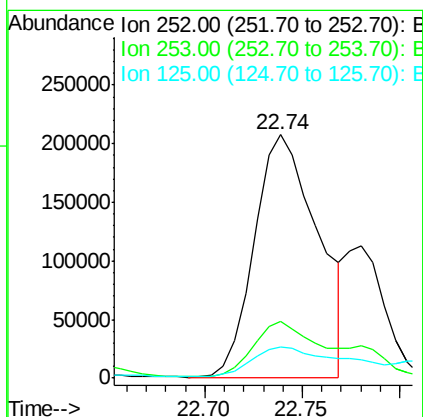
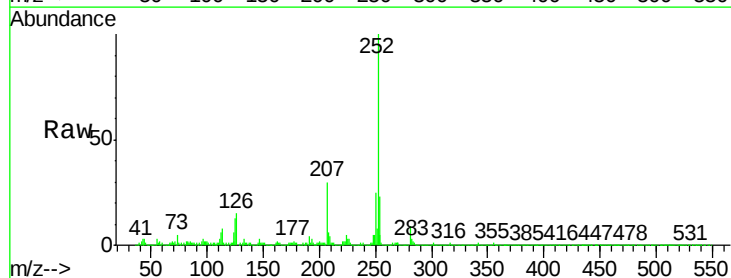
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	17.3	25.9

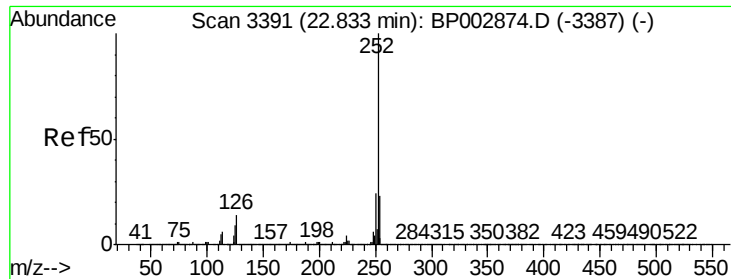


#88
Benzo(b)fluoranthene
Concen: 3.498 ng
RT: 22.74 min Scan# 3375
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt Ion:252 Resp: 466556

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	12.6	9.4	14.2

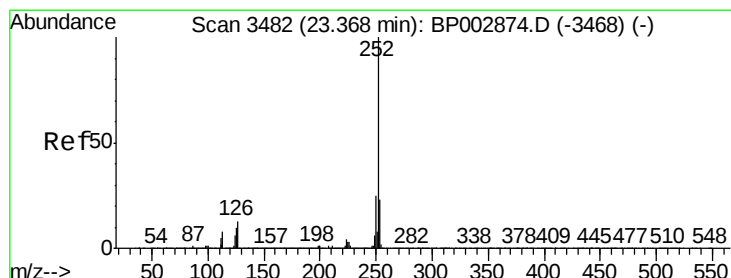
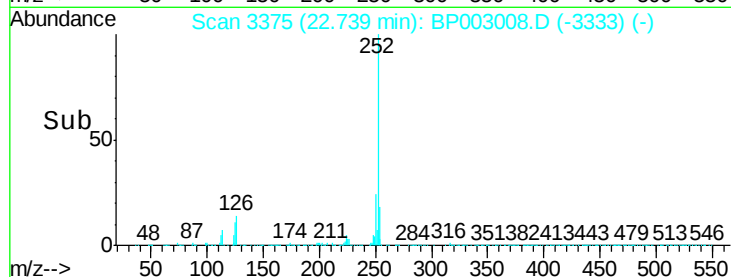
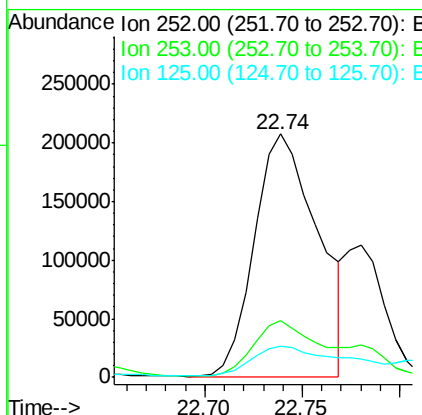
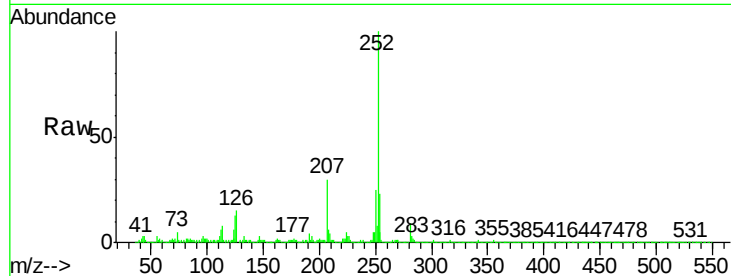




#89
Benzo(k)fluoranthene
Concen: 3.701 ng
RT: 22.74 min Scan# 3375
Delta R.T. -0.05 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Instrument :
BNA_P
ClientSampleId :
S707-N-SO-0-0.5-081320

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	12.6	9.3	13.9



#90
Benzo(a)pyrene
Concen: 2.574 ng
RT: 23.32 min Scan# 3473
Delta R.T. -0.01 min
Lab File: BP003008.D
Acq: 17 Aug 2020 18:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	12.5	9.9	14.9

