

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
 Data File : BP003066.D
 Acq On : 20 Aug 2020 15:24
 Operator : CG/JU
 Sample : L3696-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E-2

Quant Time: Aug 20 15:53:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 14:07:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	336783	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	933876	20.00	ng	0.00
39) Acenaphthene-d10	14.33	164	371611	20.00	ng	0.00
64) Phenanthrene-d10	17.09	188	768619	20.00	ng	0.00
76) Chrysene-d12	21.17	240	1155373	20.00	ng	0.00
86) Perylene-d12	23.41	264	1496095	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1914467	87.00	ng	0.00
7) Phenol-d6	6.86	99	2126285	69.60	ng	0.00
23) Nitrobenzene-d5	8.83	82	1141454	66.20	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	516180	111.76	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	2144068	78.83	ng	0.00
79) Terphenyl-d14	19.66	244	2475661	42.90	ng	0.00

Target Compounds

						Qvalue
18) Hexachloroethane	8.79	117	288689	30.922	ng	# 1
19) n-Nitroso-di-n-propylamine	8.47	70	68825	3.910	ng	# 64
22) Acetophenone	8.49	105	100878	3.829	ng	# 49
24) Nitrobenzene	8.88	77	47729	2.550	ng	# 58
25) Isophorone	9.40	82	198184	5.350	ng	# 1
26) 2-Nitrophenol	9.54	139	3625	4.941	ng	# 1
29) 2,4-Dichlorophenol	10.11	162	66145	4.260	ng	# 45
31) Naphthalene	10.52	128	316522	5.921	ng	# 4
32) Benzoic acid	9.82	122	3707	8.045	ng	# 1
33) 4-Chloroaniline	10.59	127	127950	5.775	ng	# 1
35) Caprolactam	11.35	113	21558	4.488	ng	# 1
37) 2-Methylnaphthalene	12.14	142	92895	2.443	ng	# 6
38) 1-Methylnaphthalene	12.36	142	151214	4.224	ng	# 71
48) 2-Nitroaniline	13.44	65	22960	7.481	ng	# 30
49) Acenaphthylene	14.05	152	194007	5.142	ng	# 31
50) Dimethylphthalate	13.79	163	468041	16.103	ng	# 84
51) 2,6-Dinitrotoluene	14.00	165	6855	3.882	ng	# 92
52) Acenaphthene	14.40	154	278339	11.479	ng	# 88
53) 3-Nitroaniline	14.26	138	27920	7.055	ng	# 66
54) 2,4-Dinitrophenol	14.42	184	2632	8.915	ng	# 1
55) Dibenzofuran	14.73	168	157619	4.238	ng	# 1
56) 4-Nitrophenol	14.55	139	240715	46.705	ng	# 68
57) 2,4-Dinitrotoluene	14.75	165	172328	22.181	ng	# 65
58) Fluorene	15.39	166	435326	14.949	ng	# 71
62) 4-Nitroaniline	15.24	138	54434	10.081	ng	# 90
65) 4,6-Dinitro-2-methylphenol	15.43	198	8266	8.668	ng	# 1
66) n-Nitrosodiphenylamine	15.61	169	1410119	55.395	ng	# 46
69) Atrazine	16.76	200	127380	14.770	ng	# 71
71) Phenanthrene	17.13	178	1566200	34.749	ng	# 92
72) Anthracene	17.22	178	240574	5.461	ng	# 42
73) Carbazole	17.49	167	172514	4.010	ng	# 10
75) Fluoranthene	19.10	202	1376141	26.500	ng	# 94
78) Pvrene	19.45	202	1948724	24.127	ng	# 96
80) Butylbenzylphthalate	20.30	149	3886	3.169	ng	# 1

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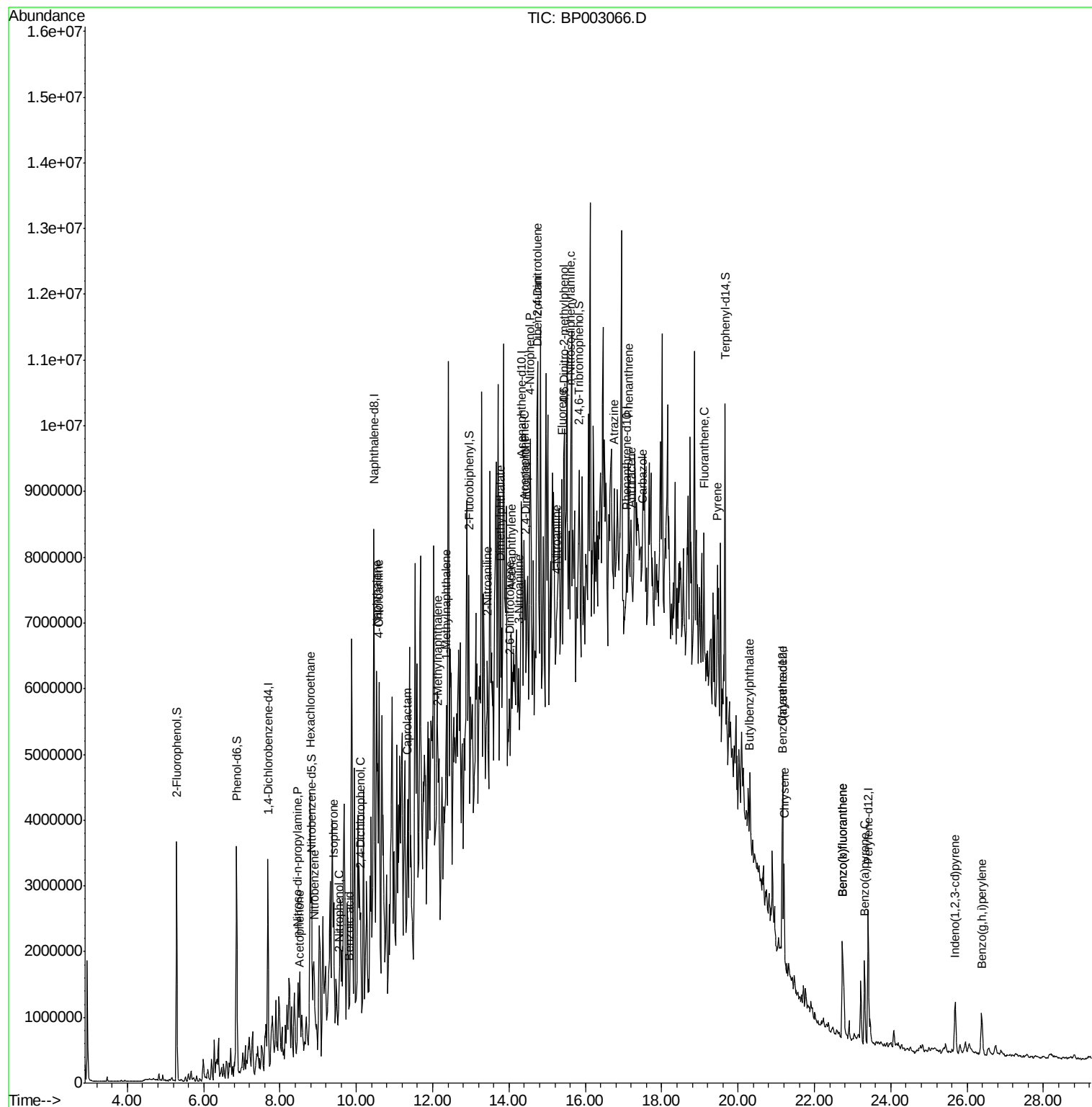
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.15	228	830551	10.554	nq	97
83) Chrysene	21.20	228	847645	11.418	nq	96
87) Indeno(1,2,3-cd)pyrene	25.69	276	723717	6.040	nq #	94
88) Benzo(b)fluoranthene	22.73	252	1712638	16.222	nq	99
89) Benzo(k)fluoranthene	22.73	252	1712638	17.163	nq	99
90) Benzo(a)pyrene	23.31	252	943112	9.886	nq	98
92) Benzo(q,h,i)perylene	26.39	276	743300	7.538	nq	97

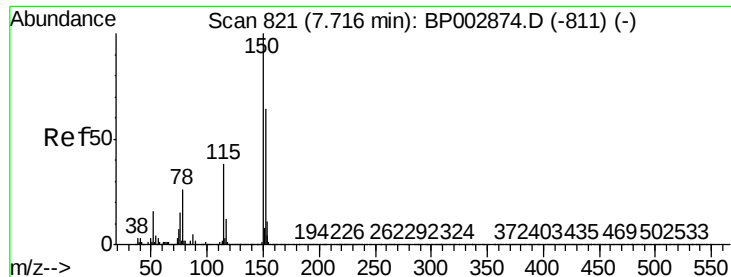
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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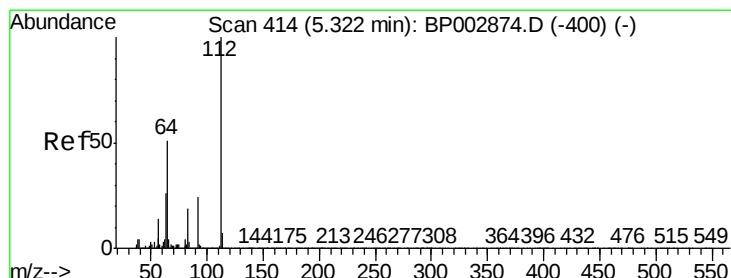
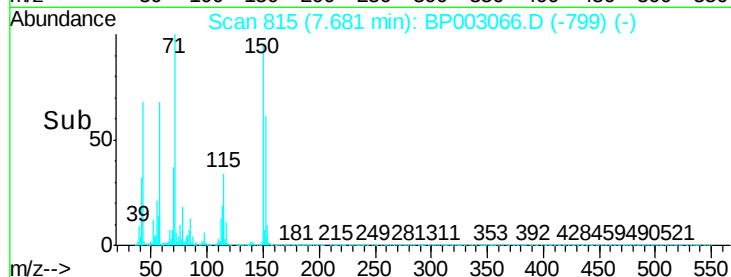
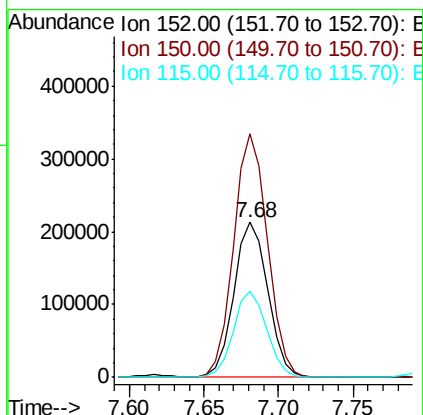
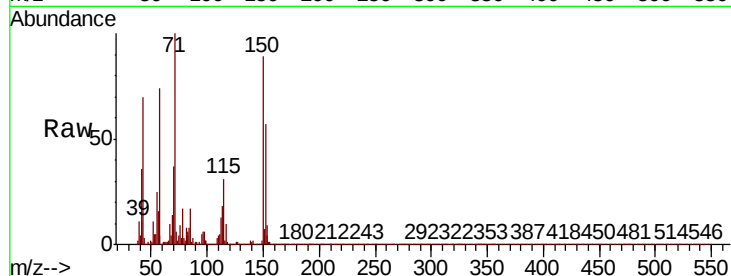


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 815
Delta R.T. -0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Instrument :
BNA_P
ClientSampleId :
E-2

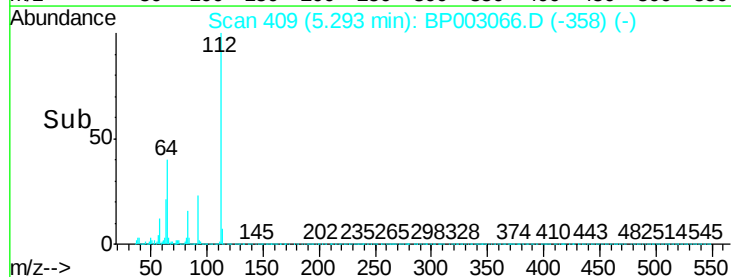
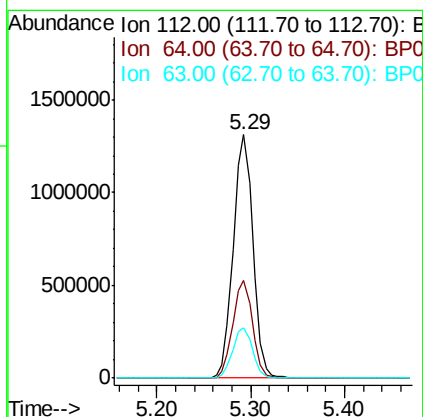
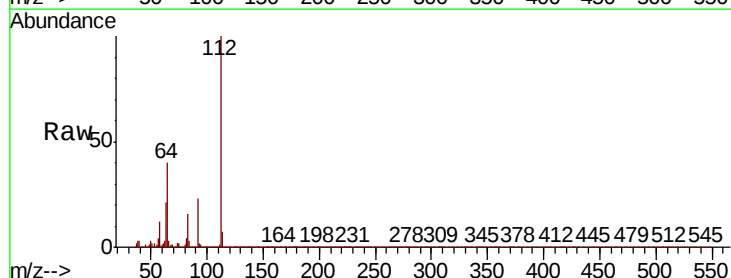
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.1	189.1
115	55.6	43.4	65.2

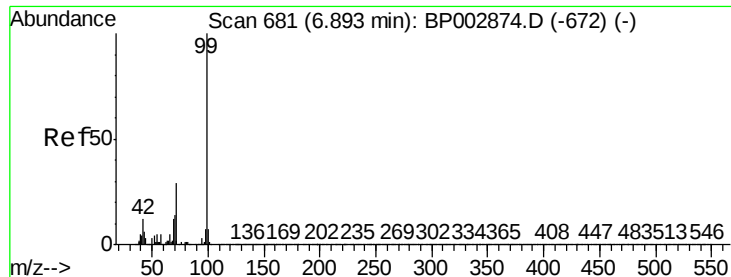


#5

2-Fluorophenol
Concen: 87.002 ng
RT: 5.29 min Scan# 409
Delta R.T. -0.00 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.0	33.4	50.2
63	20.9	17.4	26.0





#7

Phenol-d6

Concen: 69.598 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

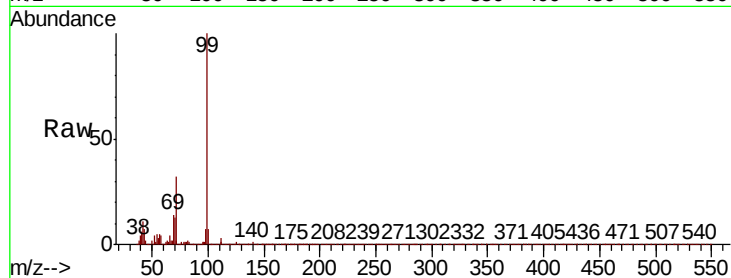
BNA_P

ClientSampleId :

E-2

Tot Ion: 99 Resp: 2126285

Ion	Ratio	Lower	Upper
99	100		
42	11.0	8.0	12.0
71	32.3	21.3	31.9#

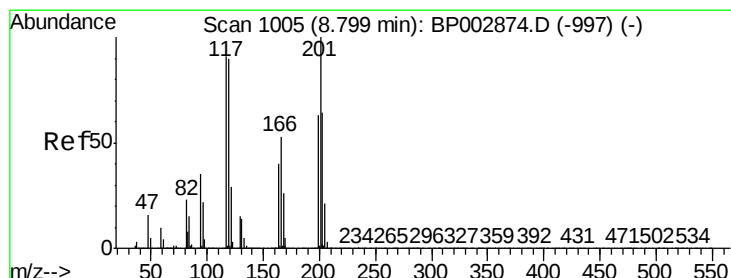
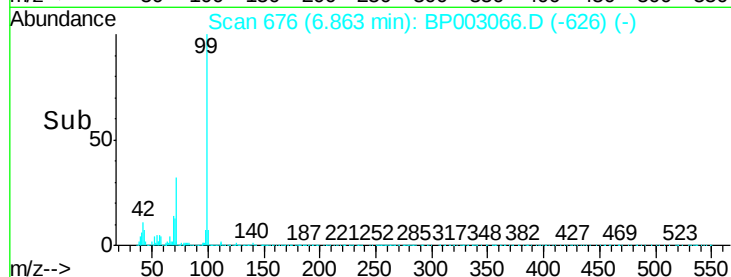
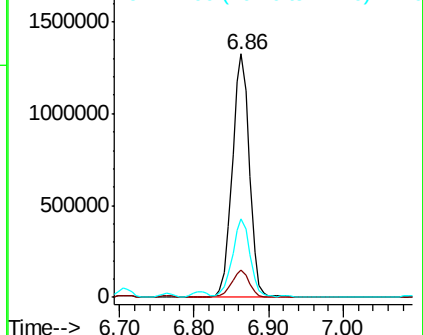


Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#18

Hexachloroethane

Concen: 30.922 ng

RT: 8.79 min Scan# 1004

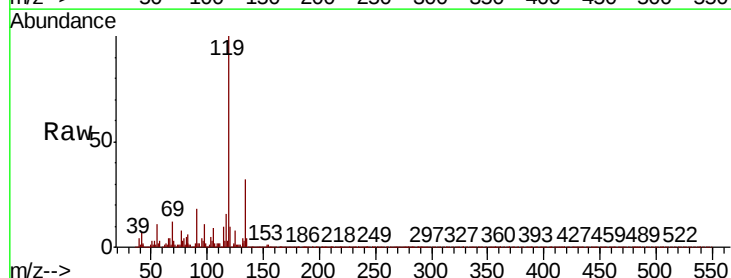
Delta R.T. 0.03 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Tgt Ion: 117 Resp: 288689

Ion	Ratio	Lower	Upper
117	100		
119	635.7	77.1	115.7#
201	0.0	84.3	126.5#

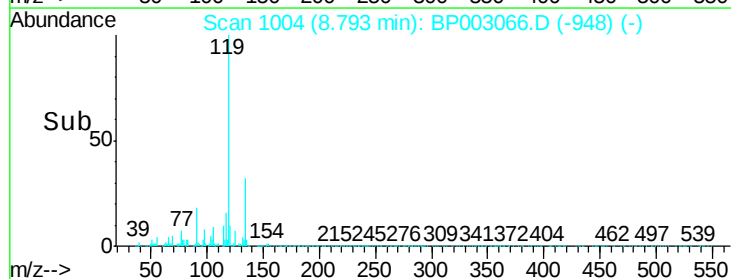
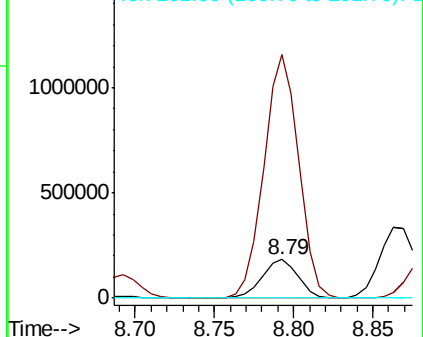


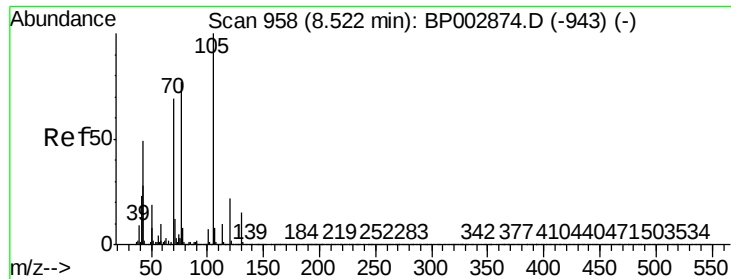
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

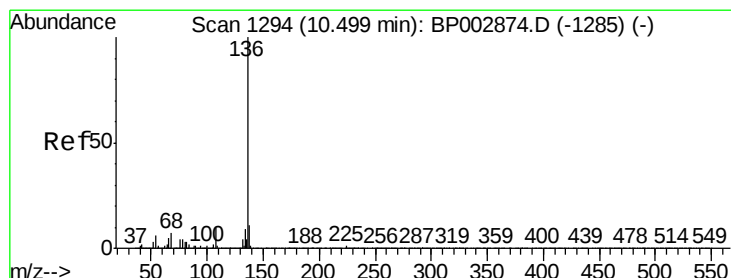
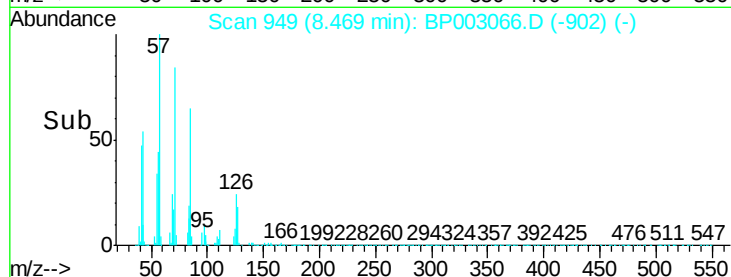
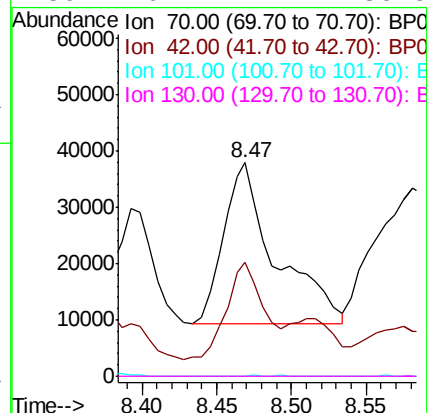
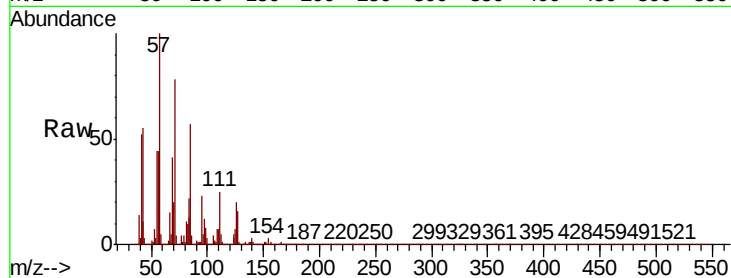




#19
n-Nitroso-di-n-propylamine
Concen: 3.910 ng
RT: 8.47 min Scan# 949
Delta R.T. -0.02 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

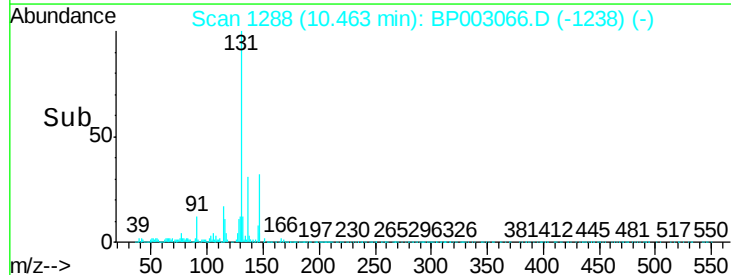
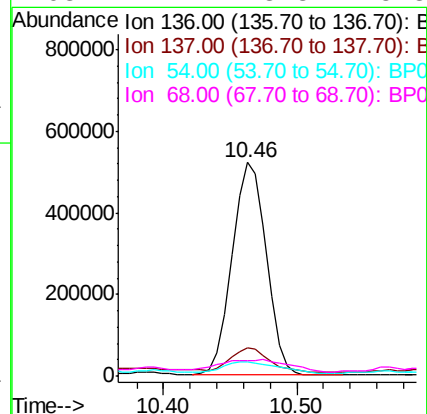
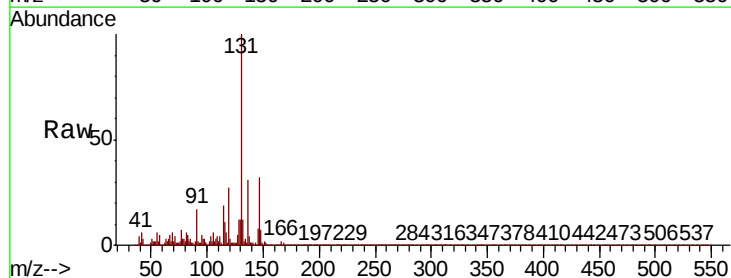
Instrument :
BNA_P
ClientSampleID :
E-2

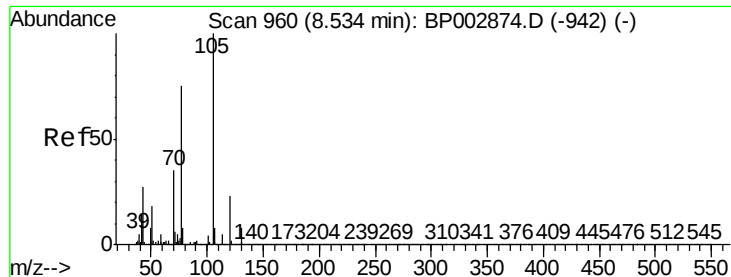
Tot Ion:	70	Resp:	68825
Ion	Ratio	Lower	Upper
70	100		
42	53.3	31.8	47.8#
101	0.2	9.8	14.8#
130	0.1	24.4	36.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion:	136	Resp:	933876
Ion	Ratio	Lower	Upper
136	100		
137	13.1	8.8	13.2
54	6.6	3.8	5.8#
68	7.4	3.8	5.8#





#22

Acetophenone

Concen: 3.829 ng

RT: 8.49 min Scan# 953

Delta R.T. -0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampleId :

E-2

Tot Ion:105 Resp: 100878

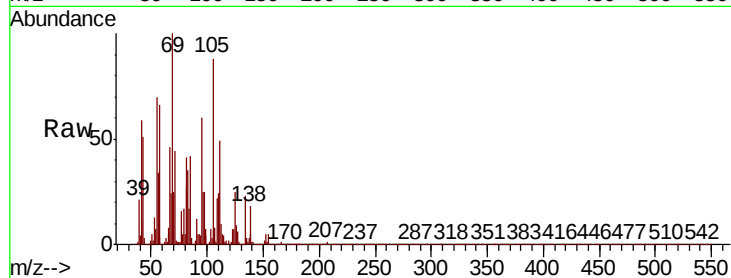
Ion Ratio Lower Upper

105 100

71 50.2 5.4 8.0#

51 5.3 13.5 20.3#

120 0.5 19.2 28.8#

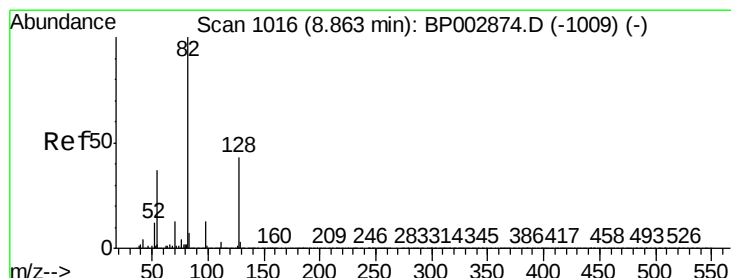
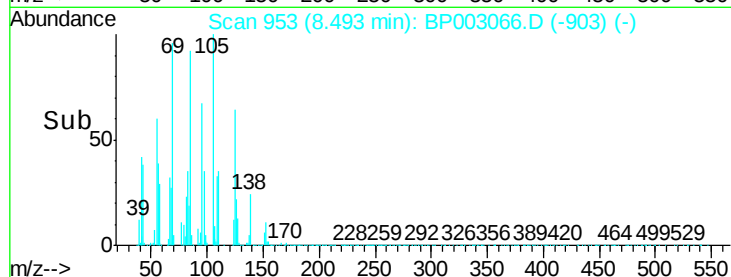
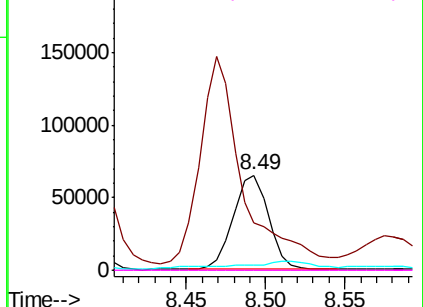


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 66.201 ng

RT: 8.83 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

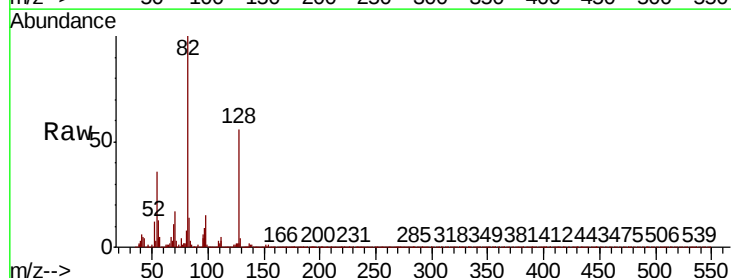
Tgt Ion: 82 Resp: 1141454

Ion Ratio Lower Upper

82 100

128 55.7 45.1 67.7

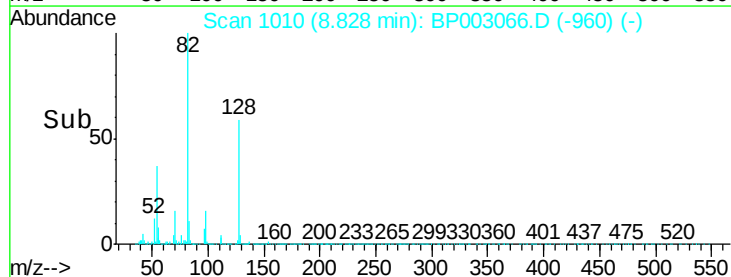
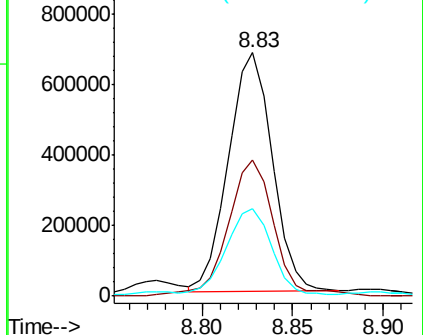
54 36.0 28.8 43.2

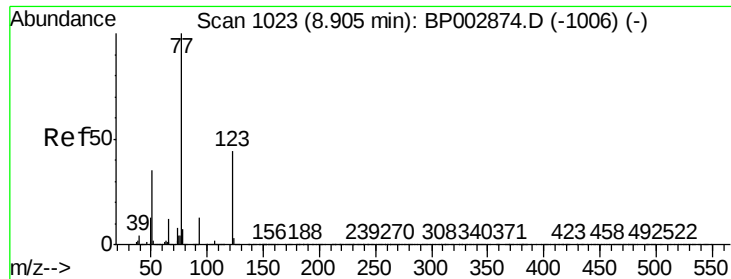


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0

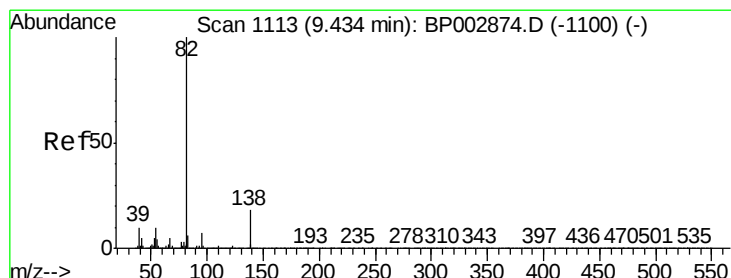
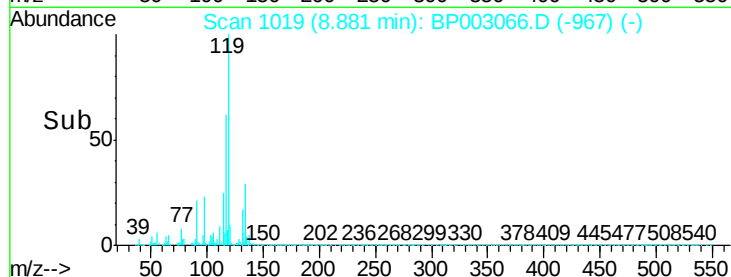
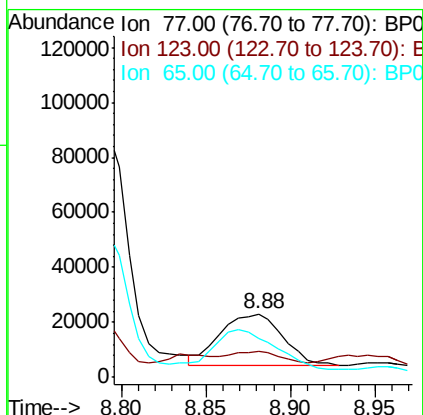
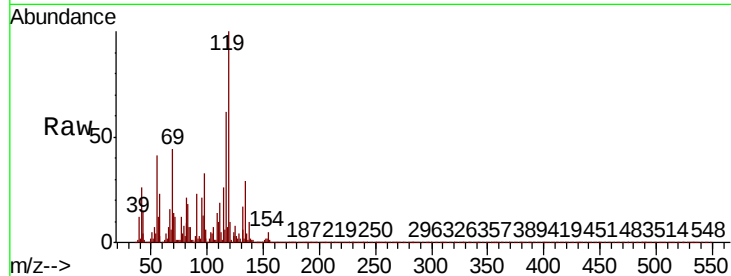




#24
Nitrobenzene
Concen: 2.550 ng
RT: 8.88 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

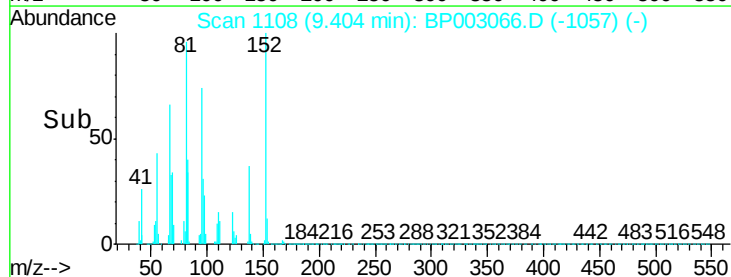
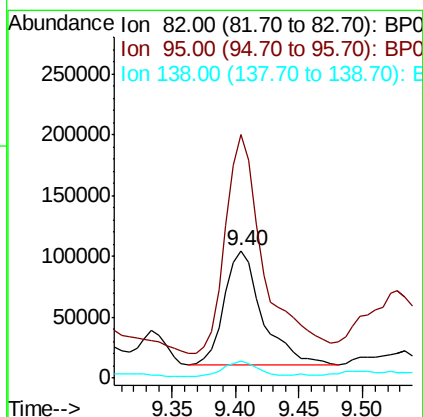
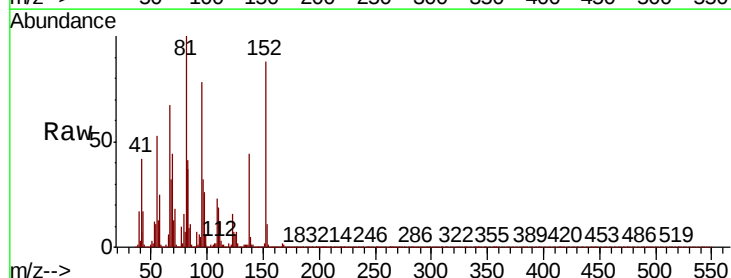
Instrument :
BNA_P
ClientSampled :
E-2

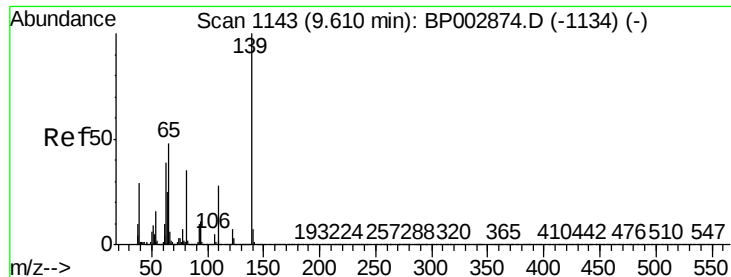
Tot Ion	Ratio	Lower	Upper
77	100		
123	40.7	47.5	71.3#
65	61.2	9.2	13.8#



#25
Isophorone
Concen: 5.350 ng
RT: 9.40 min Scan# 1108
Delta R.T. -0.00 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion	Ratio	Lower	Upper
82	100		
95	190.8	6.1	9.1#
138	13.3	18.8	28.2#





#26

2-Nitrophenol

Concen: 4.941 ng

RT: 9.54 min Scan# 1131

Delta R.T. -0.04 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampled :

E-2

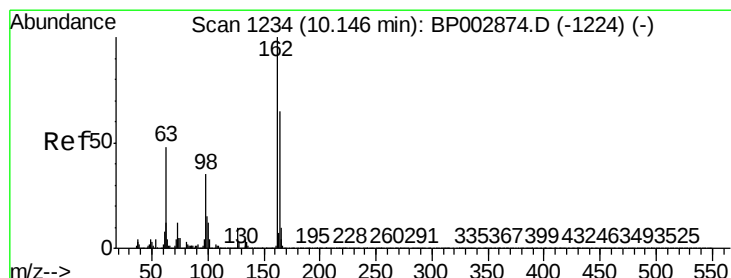
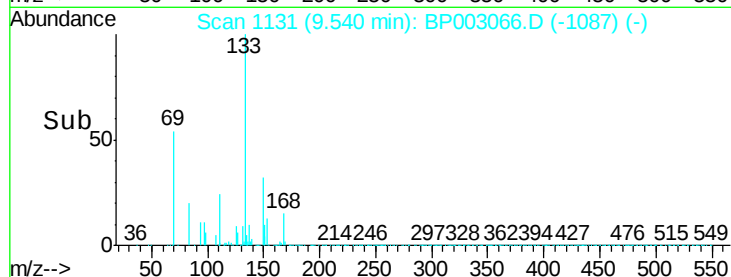
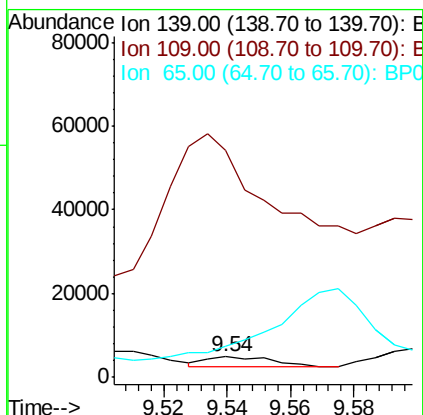
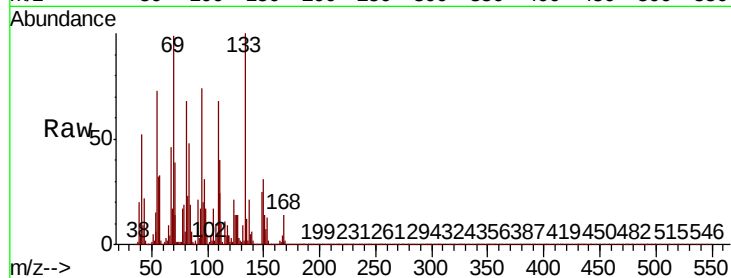
Tot Ion:139 Resp: 3625

Ion Ratio Lower Upper

139 100

109 1103.8 21.0 31.6#

65 149.2 27.2 40.8#



#29

2,4-Dichlorophenol

Concen: 4.260 ng

RT: 10.11 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

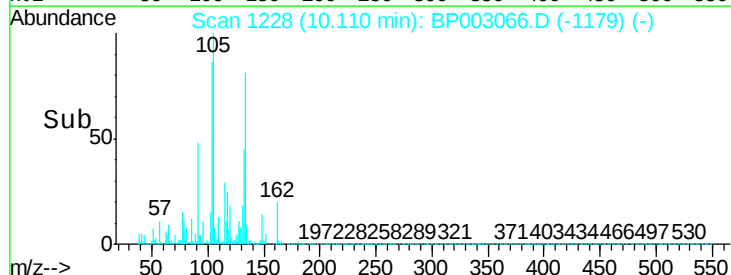
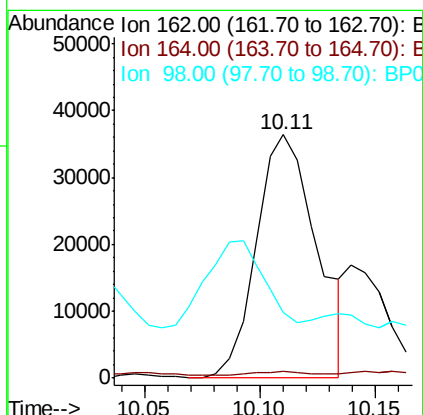
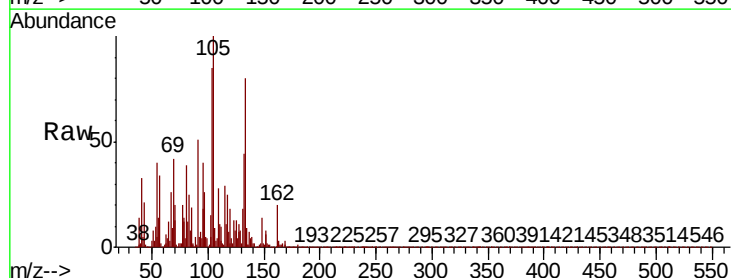
Tgt Ion:162 Resp: 66145

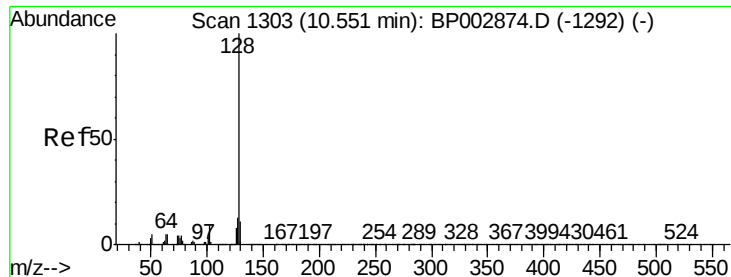
Ion Ratio Lower Upper

162 100

164 2.9 43.9 83.9#

98 27.1 10.0 50.0

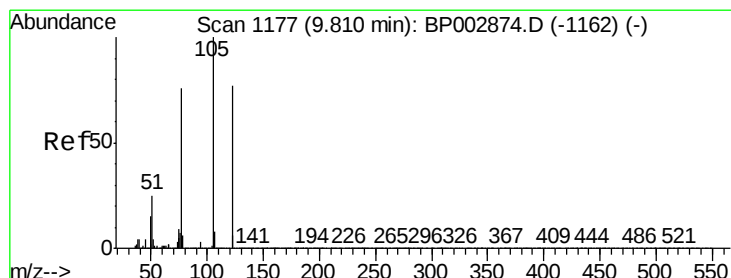
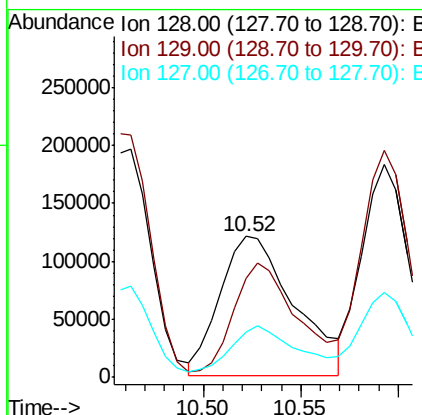
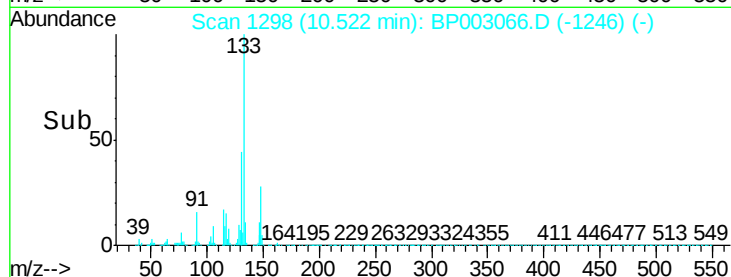
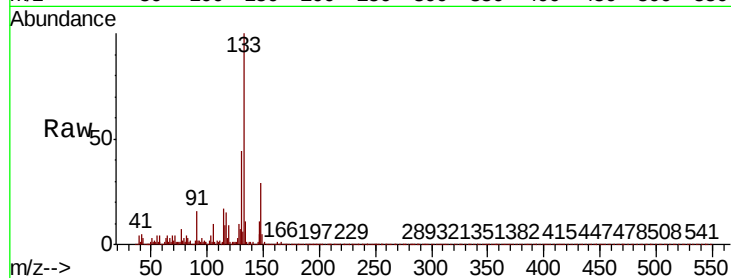




#31
Naphthalene
Concen: 5.921 ng
RT: 10.52 min Scan# 1298
Delta R.T. 0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

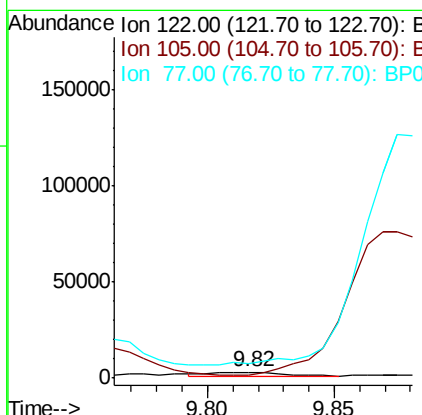
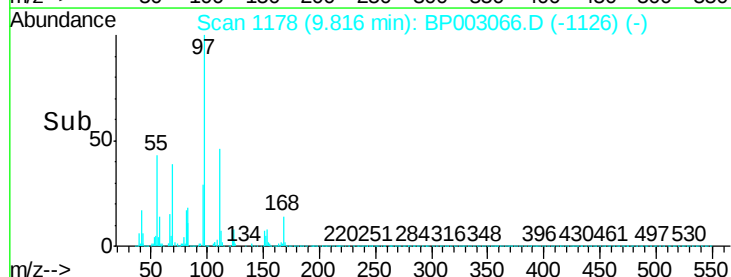
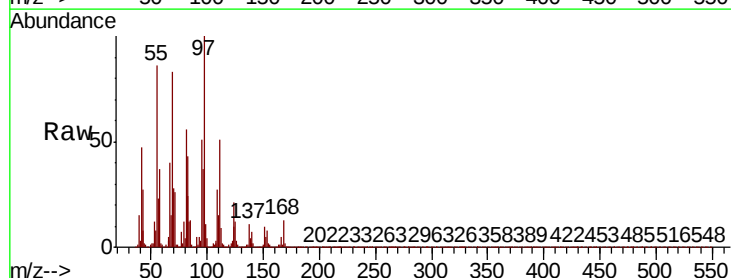
Instrument :
BNA_P
ClientSampleId :
E-2

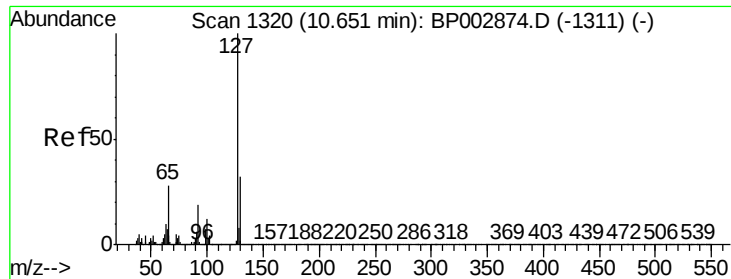
Tot Ion	Ratio	Lower	Upper
128	100		
129	70.3	9.1	13.7#
127	32.2	10.6	16.0#



#32
Benzoic acid
Concen: 8.045 ng
RT: 9.82 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion	Ratio	Lower	Upper
122	100		
105	57.3	96.2	136.2#
77	245.7	55.6	95.6#

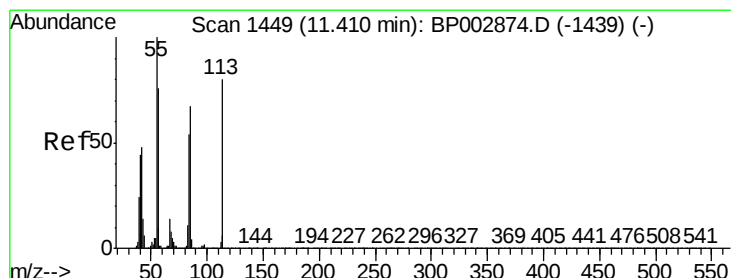
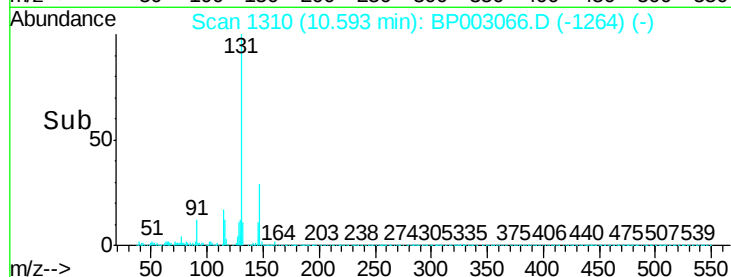
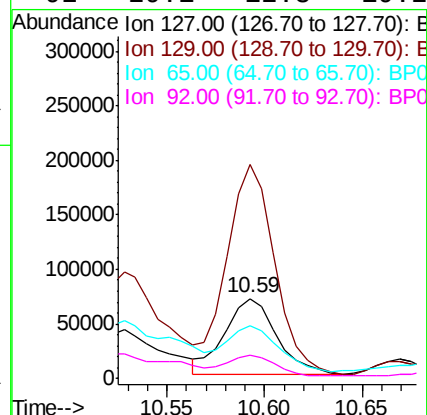
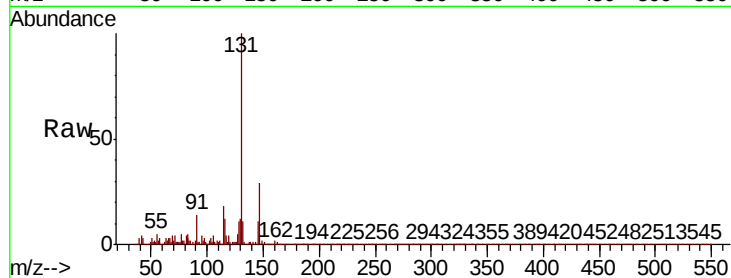




#33
4-Chloroaniline
Concen: 5.775 ng
RT: 10.59 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

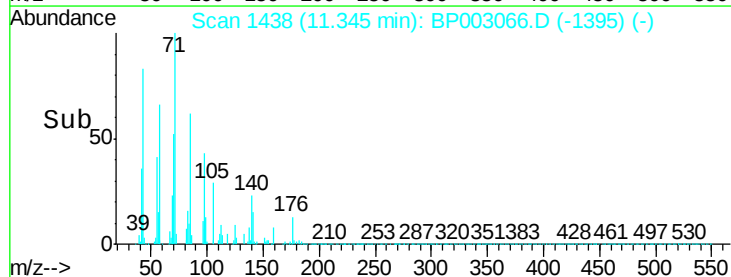
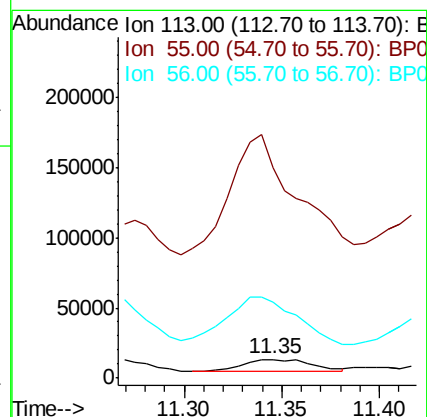
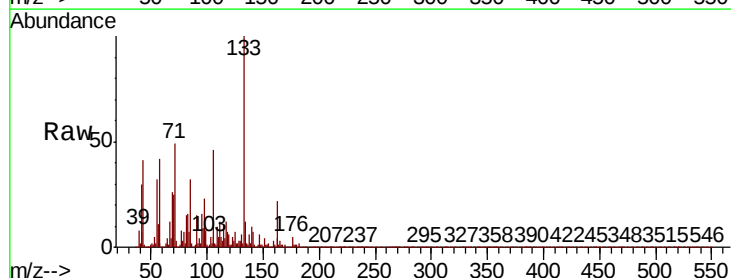
Instrument :
BNA_P
ClientSampled :
E-2

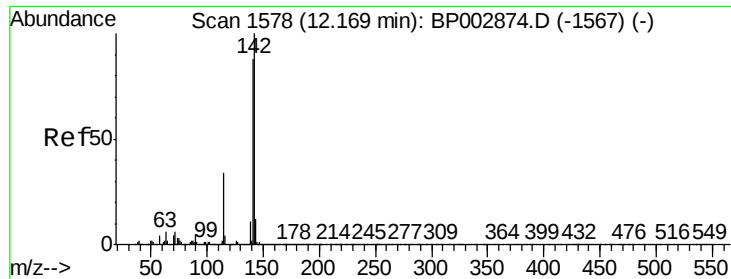
Tot Ion:	127	Resp:	127950
Ion	Ratio	Lower	Upper
127	100		
129	269.0	25.8	38.6#
65	66.2	16.7	25.1#
92	29.1	12.8	19.2#



#35
Caprolactam
Concen: 4.488 ng
RT: 11.35 min Scan# 1438
Delta R.T. -0.05 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion:	113	Resp:	21558
Ion	Ratio	Lower	Upper
113	100		
55	1127.8	87.1	127.1#
56	405.8	61.0	101.0#

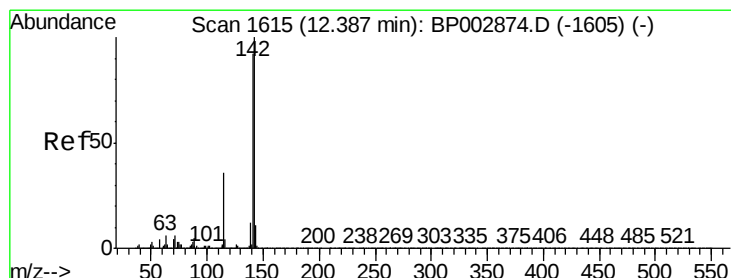
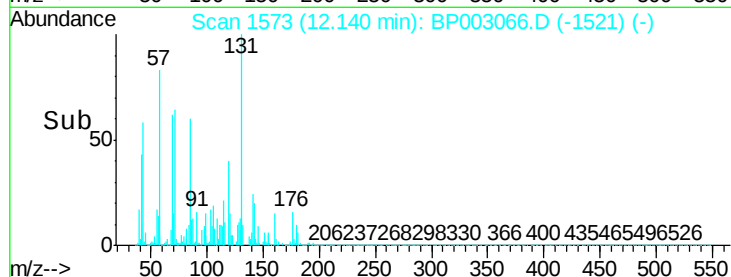
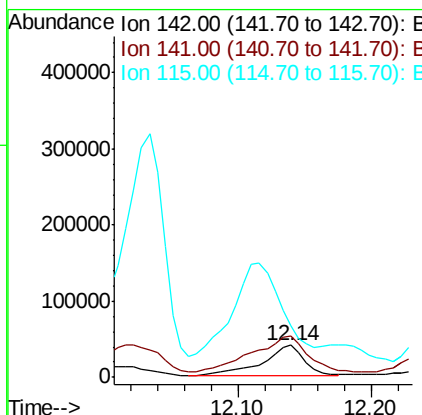
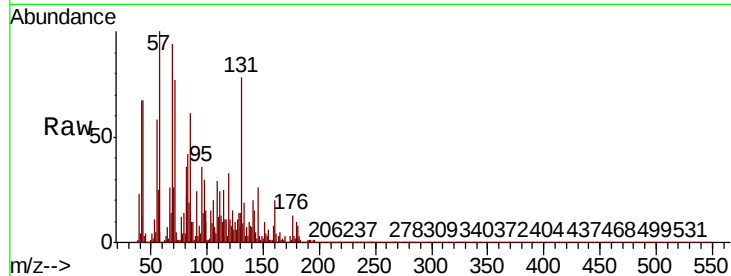




#37
 2-Methylnaphthalene
 Concen: 2.443 ng
 RT: 12.14 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BP003066.D
 Acq: 20 Aug 2020 15:24

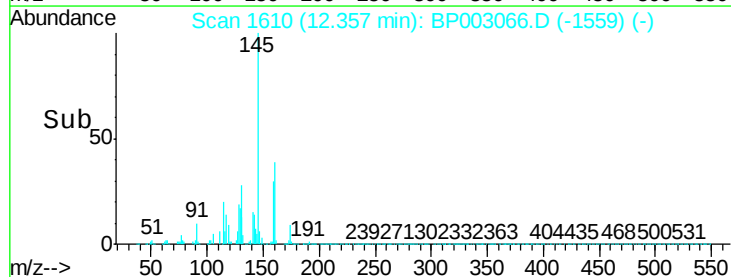
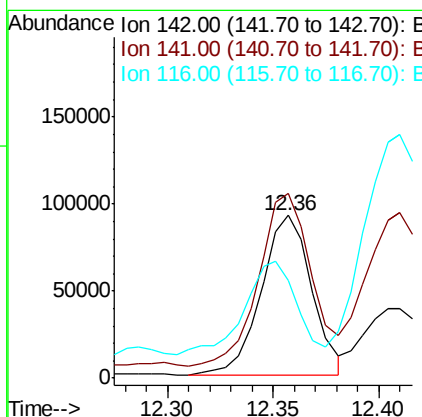
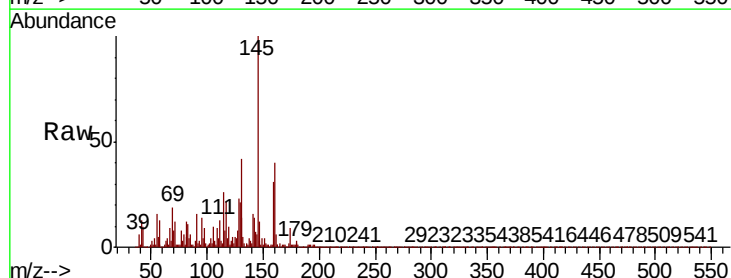
Instrument :
 BNA_P
 ClientSampleId :
 E-2

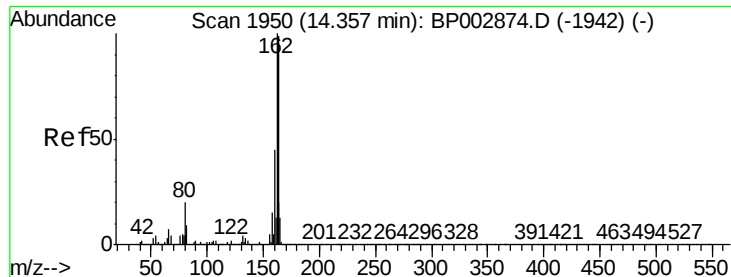
Tot Ion	Ratio	Lower	Upper
142	100		
141	129.2	70.5	105.7#
115	161.6	25.0	37.4#



#38
 1-Methylnaphthalene
 Concen: 4.224 ng
 RT: 12.36 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BP003066.D
 Acq: 20 Aug 2020 15:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	113.9	73.5	110.3#
116	60.2	2.8	4.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.33 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampleId :

E-2

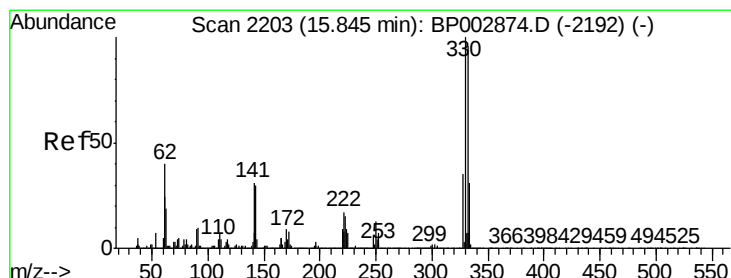
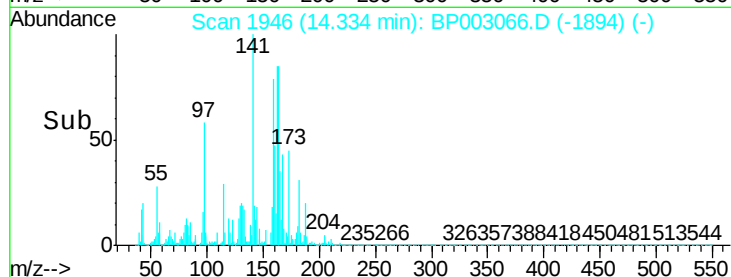
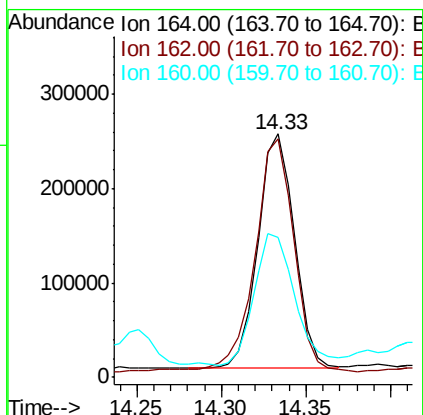
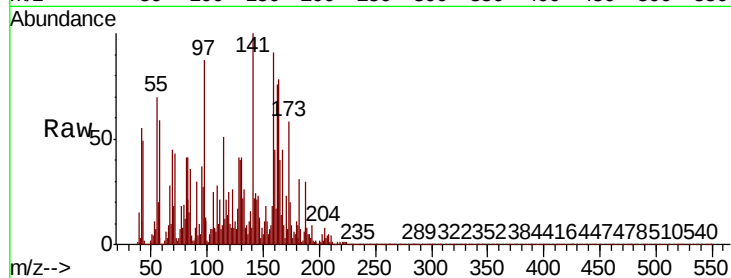
Tot Ion:164 Resp: 371611

Ion Ratio Lower Upper

164 100

162 97.9 81.4 122.0

160 57.6 35.5 53.3#



#42

2,4,6-Tribromophenol

Concen: 111.759 ng

RT: 15.83 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

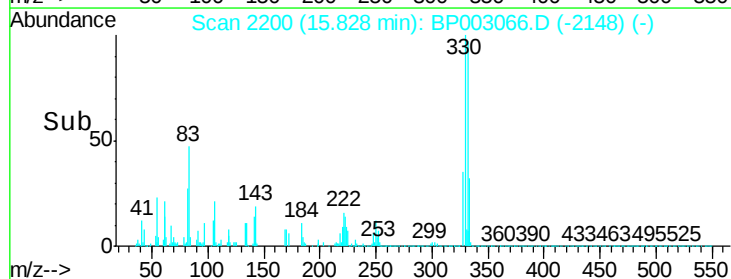
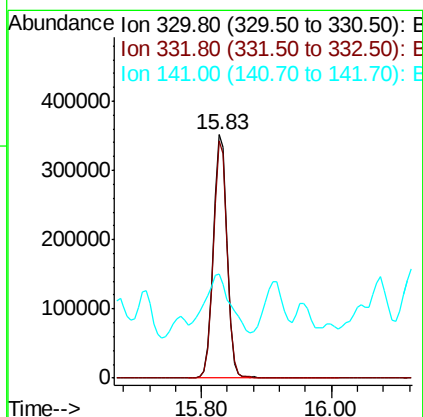
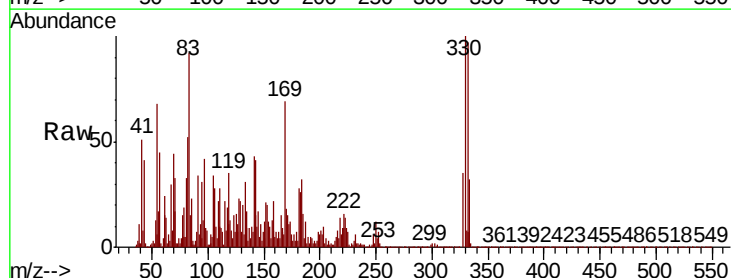
Tgt Ion:330 Resp: 516180

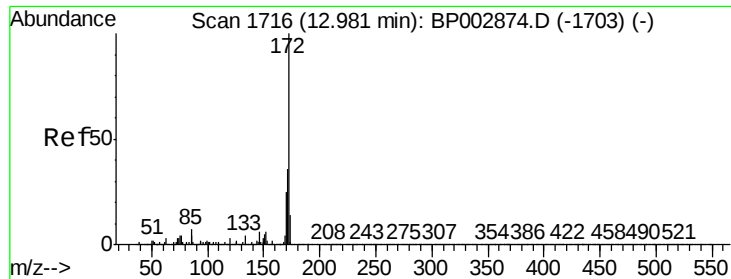
Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

141 42.6 26.7 40.1#

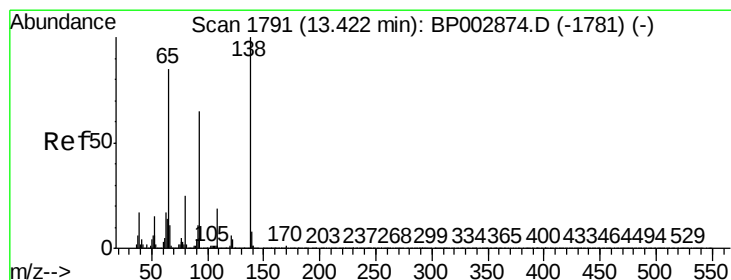
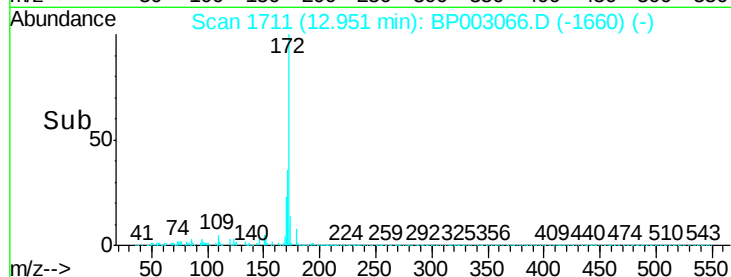
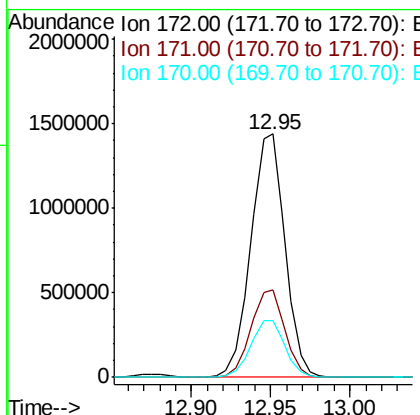
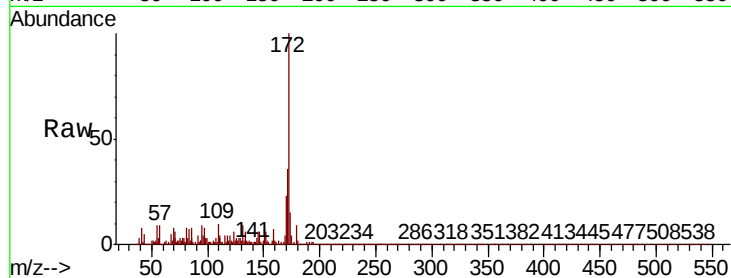




#45
2-Fluorobiphenyl
Concen: 78.831 ng
RT: 12.95 min Scan# 1711
Delta R.T. -0.00 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

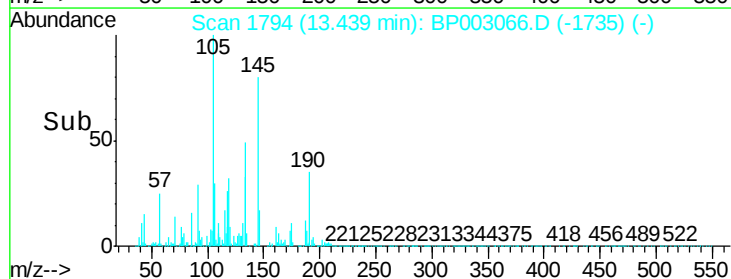
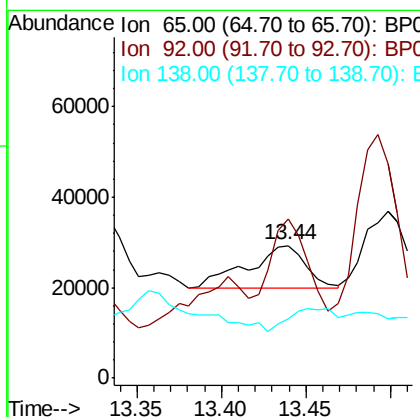
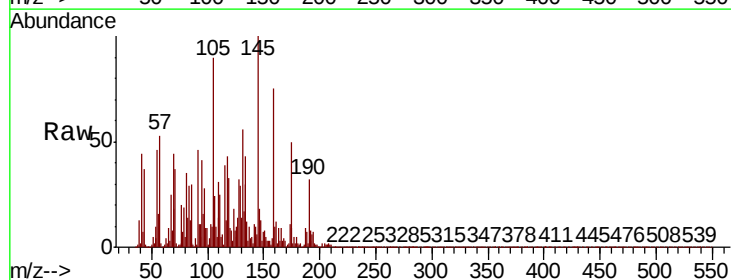
Instrument :
BNA_P
ClientSampleId :
E-2

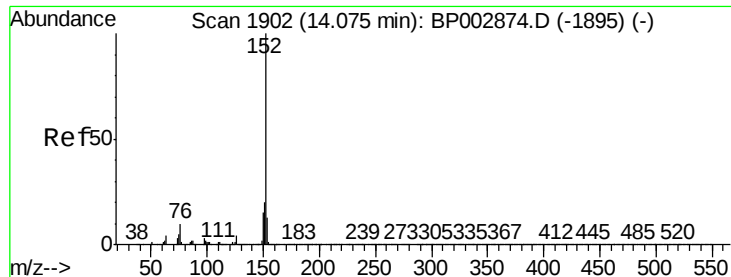
Tot Ion:172 Resp: 2144068
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.4 19.1 28.7



#48
2-Nitroaniline
Concen: 7.481 ng
RT: 13.44 min Scan# 1794
Delta R.T. 0.05 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion: 65 Resp: 22960
Ion Ratio Lower Upper
65 100
92 119.6 70.1 105.1#
138 44.3 129.7 194.5#





#49

Acenaphthylene

Concen: 5.142 ng

RT: 14.05 min Scan# 1898

Delta R.T. 0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampled :

E-2

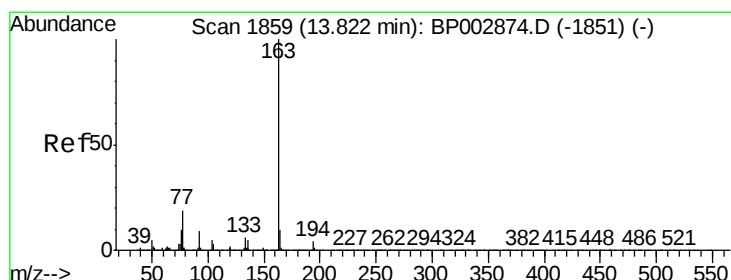
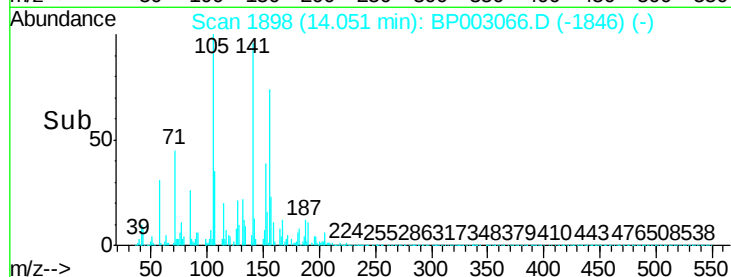
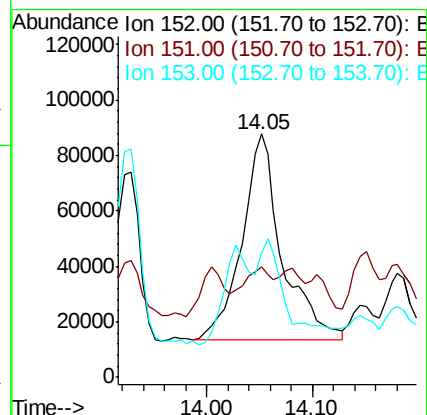
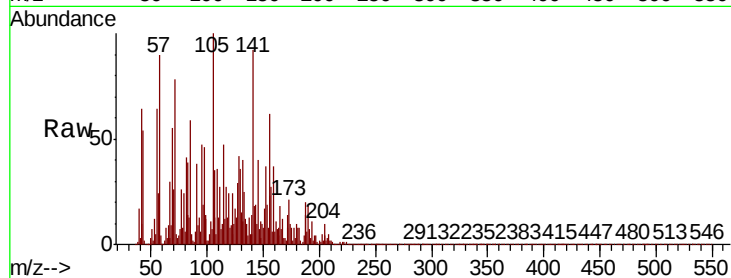
Tot Ion:152 Resp: 194007

Ion Ratio Lower Upper

152 100

151 45.1 16.5 24.7#

153 51.4 10.7 16.1#



#50

Dimethylphthalate

Concen: 16.103 ng

RT: 13.79 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

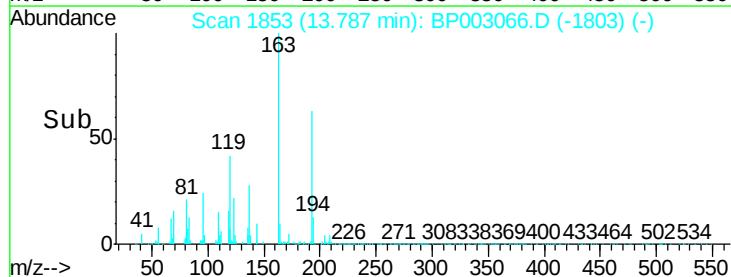
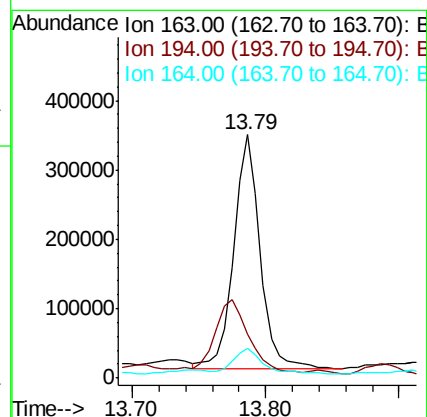
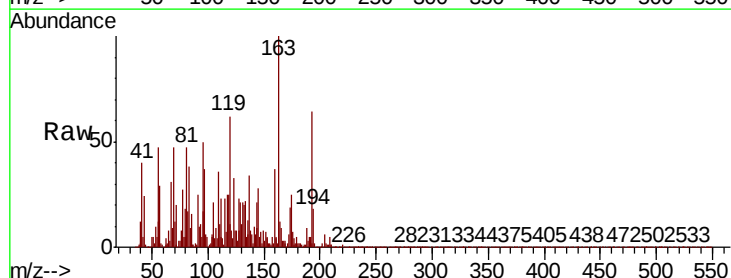
Tgt Ion:163 Resp: 468041

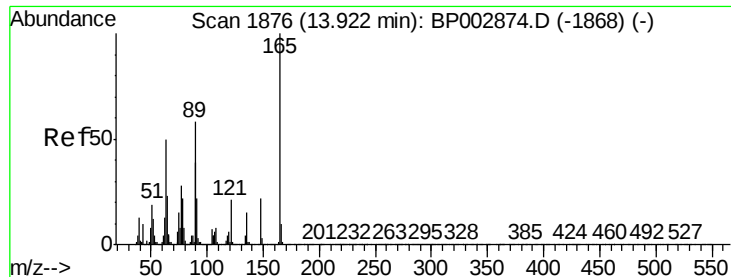
Ion Ratio Lower Upper

163 100

194 17.9 3.3 4.9#

164 12.2 8.1 12.1#

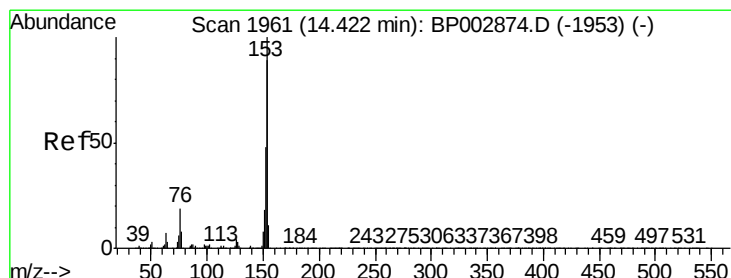
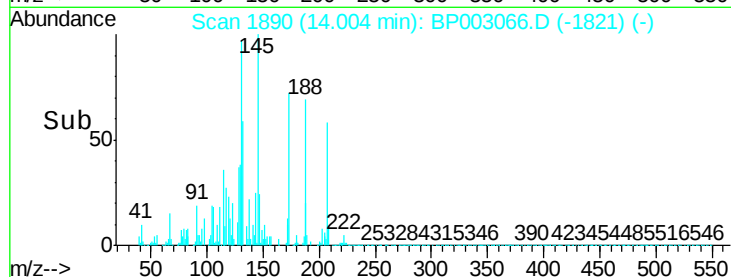
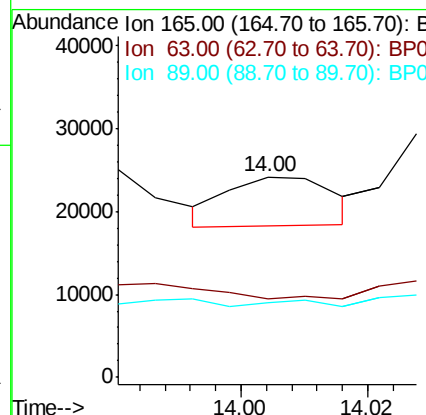
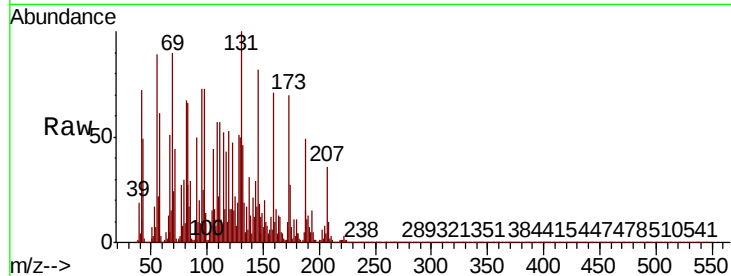




#51
2,6-Dinitrotoluene
Concen: 3.882 ng
RT: 14.00 min Scan# 1890
Delta R.T. 0.11 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

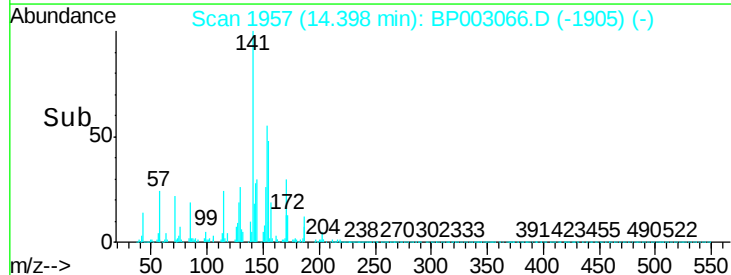
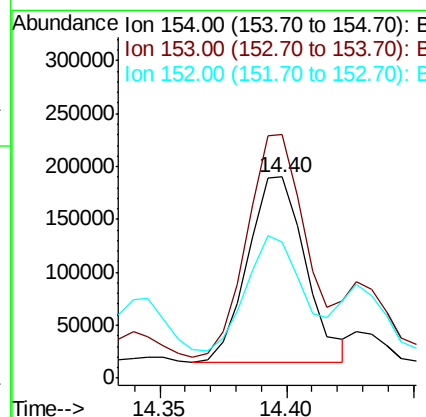
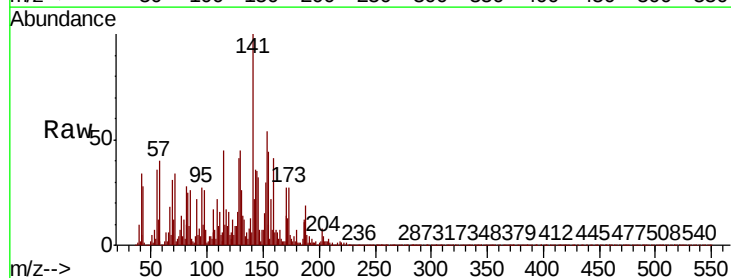
Instrument :
BNA_P
ClientSampleId :
E-2

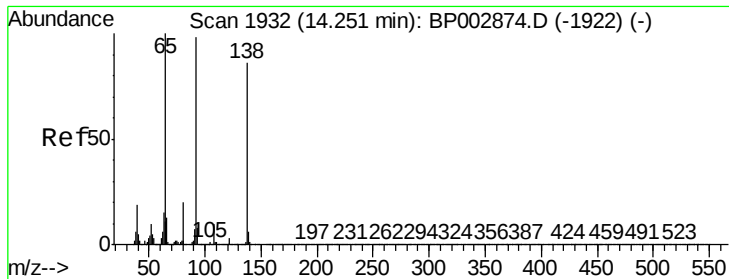
Tot Ion	Ratio	Lower	Upper
165	100		
63	39.2	28.1	42.1
89	37.2	34.5	51.7



#52
Acenaphthene
Concen: 11.479 ng
RT: 14.40 min Scan# 1957
Delta R.T. 0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.1	89.5	134.3
152	67.4	42.7	64.1#

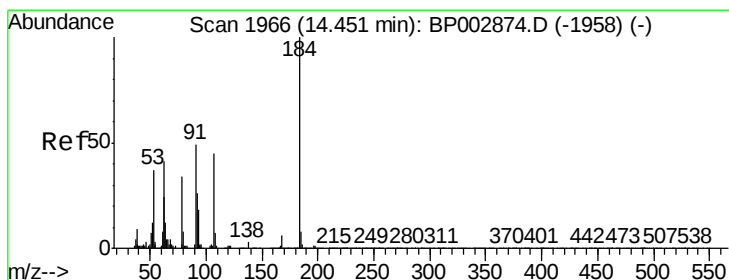
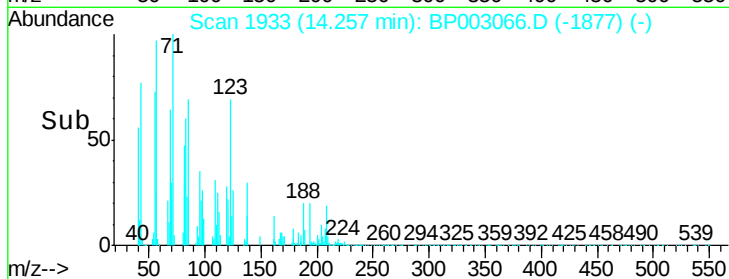
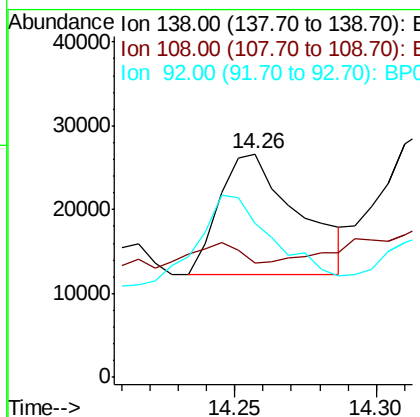
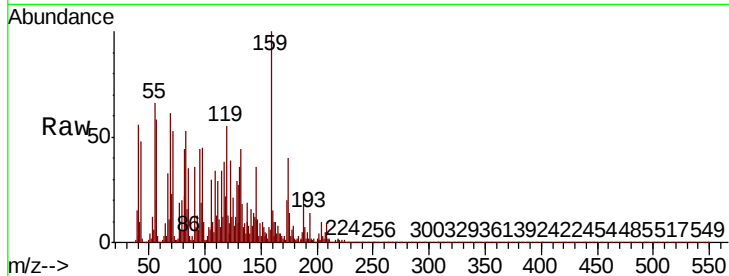




#53
 3-Nitroaniline
 Concen: 7.055 ng
 RT: 14.26 min Scan# 1933
 Delta R.T. 0.03 min
 Lab File: BP003066.D
 Acq: 20 Aug 2020 15:24

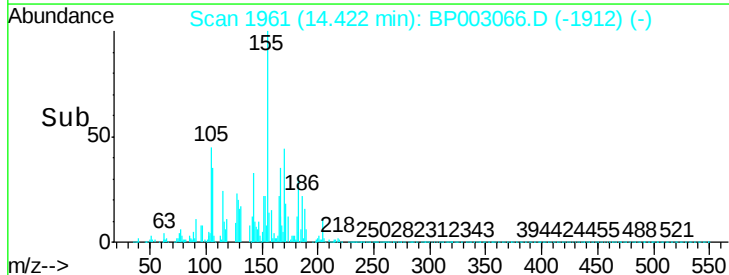
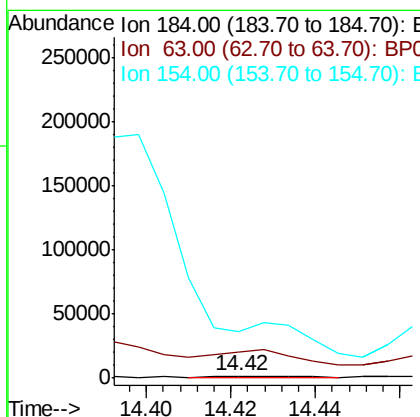
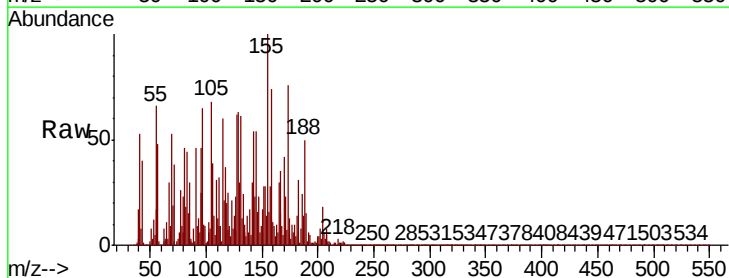
Instrument :
 BNA_P
 ClientSampleId :
 E-2

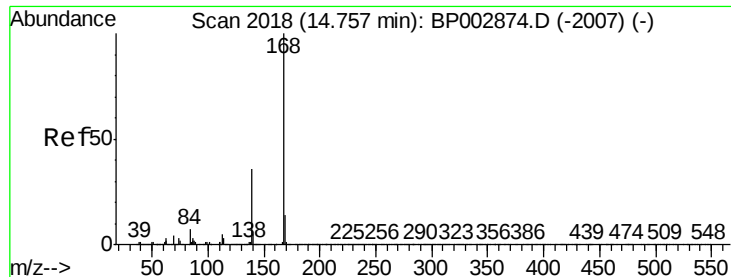
Tot Ion:138 Resp: 27920
 Ion Ratio Lower Upper
 138 100
 108 51.5 7.7 11.5#
 92 69.1 75.6 113.4#



#54
 2,4-Dinitrophenol
 Concen: 8.915 ng
 RT: 14.42 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: BP003066.D
 Acq: 20 Aug 2020 15:24

Tgt Ion:184 Resp: 2632
 Ion Ratio Lower Upper
 184 100
 63 1269.2 33.0 49.6#
 154 2333.5 46.8 70.2#

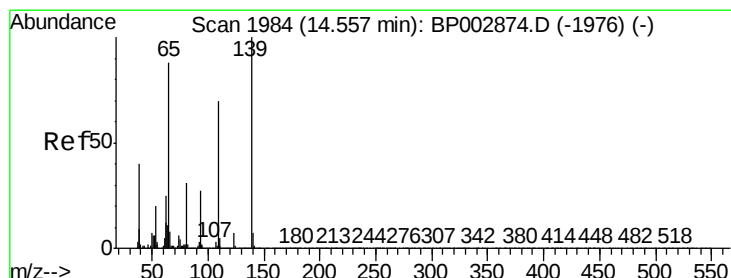
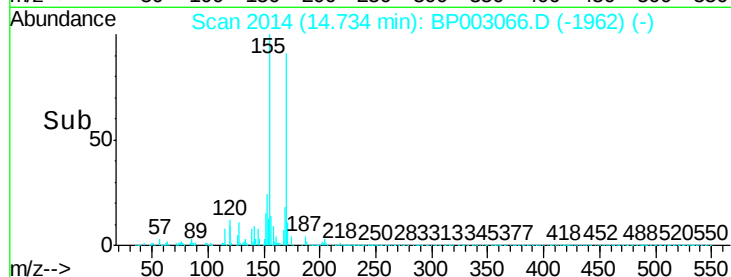
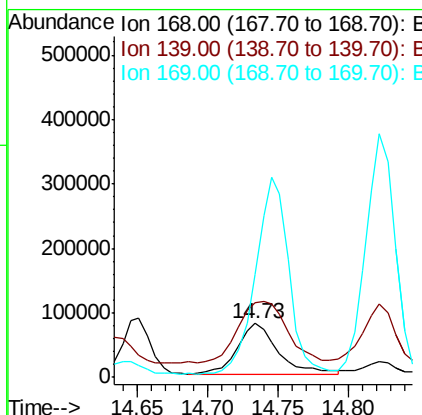
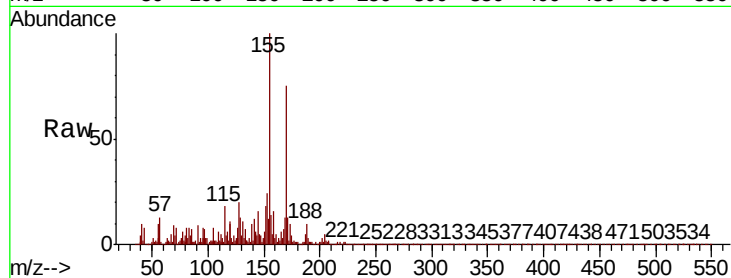




#55
Dibenzofuran
Concen: 4.238 ng
RT: 14.73 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

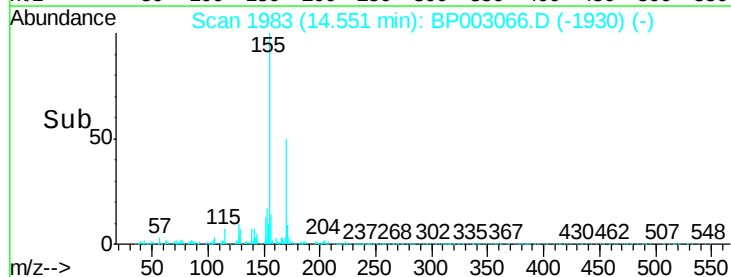
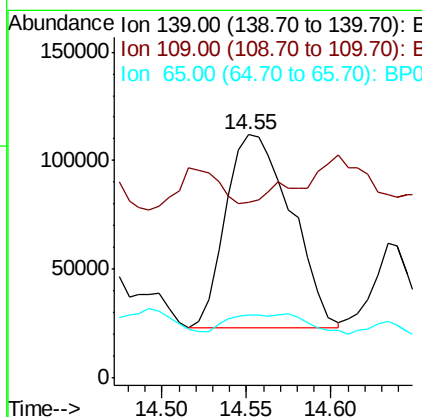
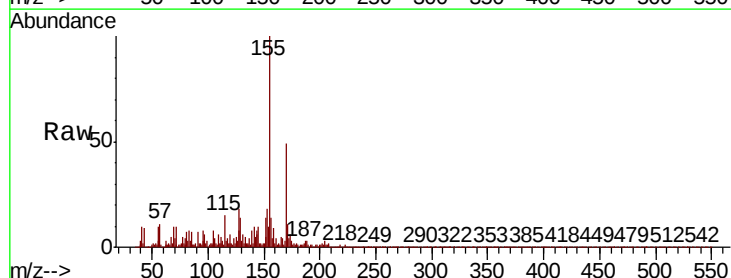
Instrument :
BNA_P
ClientSampled :
E-2

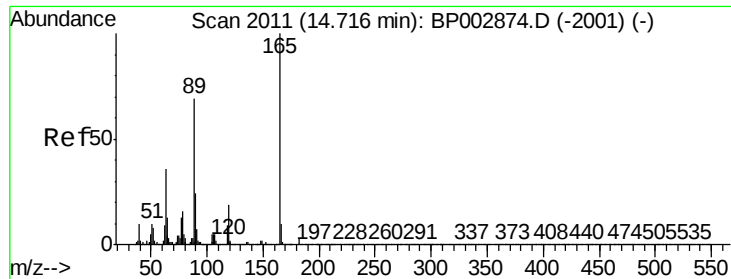
Tot Ion:168 Resp: 157619
Ion Ratio Lower Upper
168 100
139 138.4 30.4 45.6#
169 189.2 11.0 16.4#



#56
4-Nitrophenol
Concen: 46.705 ng
RT: 14.55 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion:139 Resp: 240715
Ion Ratio Lower Upper
139 100
109 72.2 41.1 81.1
65 26.1 44.4 84.4#

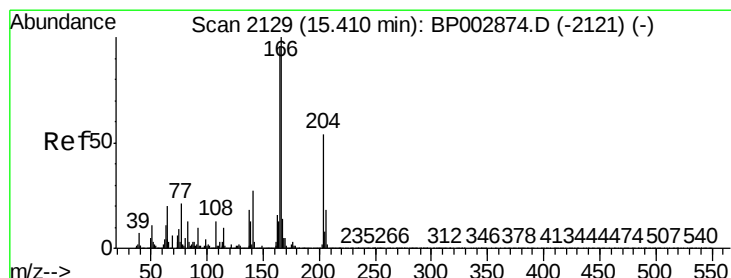
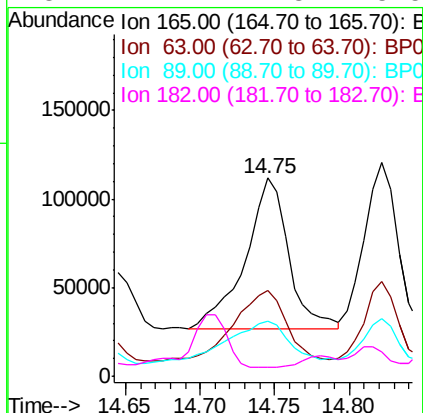
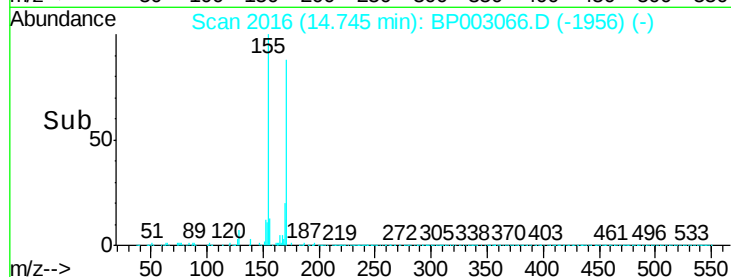
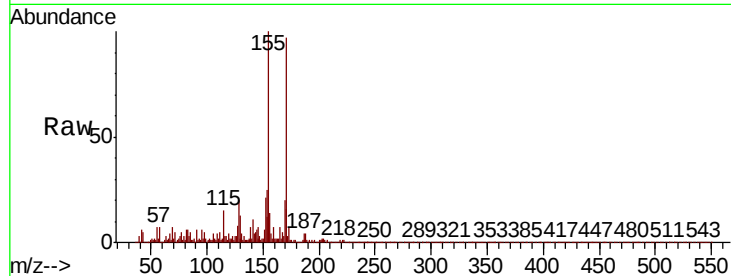




#57
2,4-Dinitrotoluene
Concen: 22.181 ng
RT: 14.75 min Scan# 2016
Delta R.T. 0.05 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

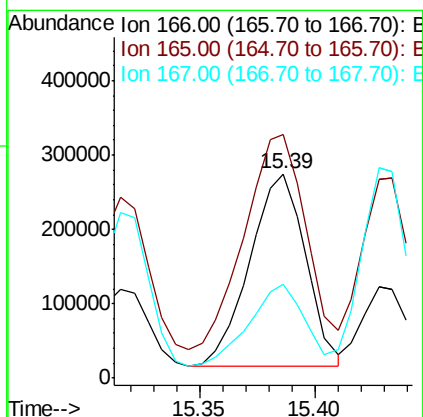
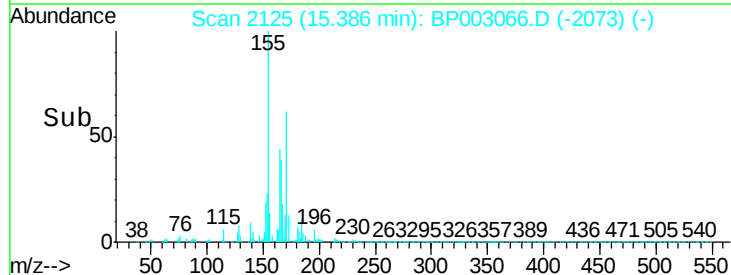
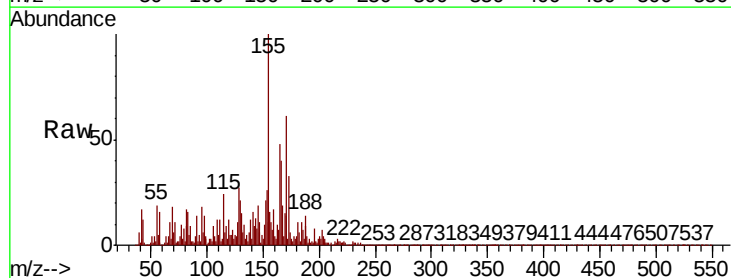
Instrument :
BNA_P
ClientSampleId :
E-2

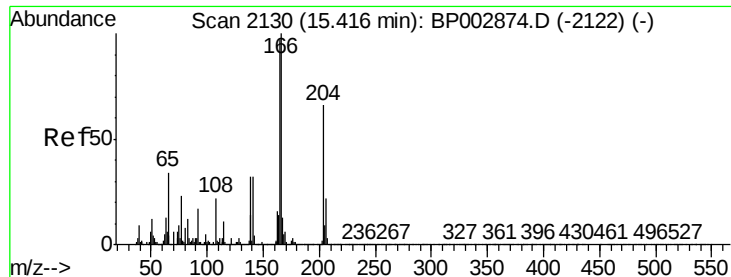
Tot Ion	Ratio	Lower	Upper
165	100		
63	43.5	20.6	31.0#
89	28.1	43.4	65.0#
182	4.7	2.3	3.5#



#58
Fluorene
Concen: 14.949 ng
RT: 15.39 min Scan# 2125
Delta R.T. 0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	119.2	78.1	117.1#
167	45.9	10.9	16.3#

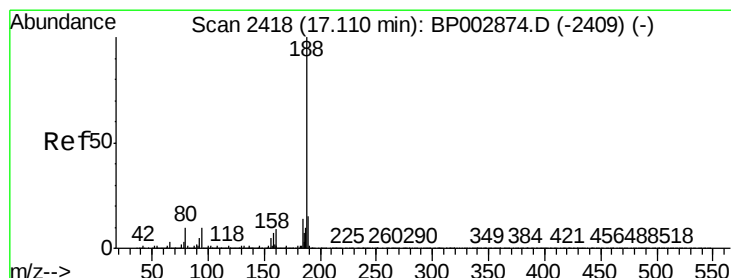
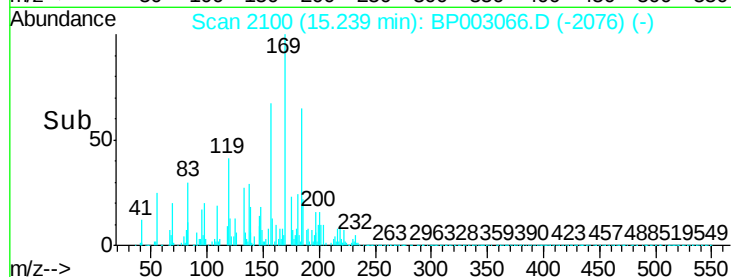
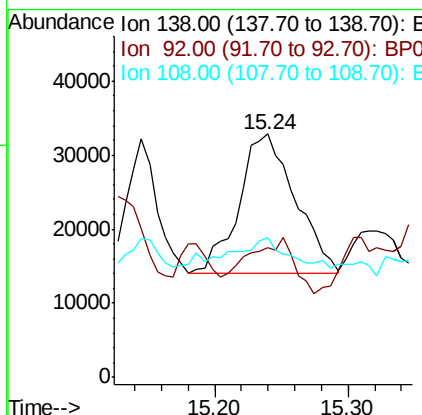
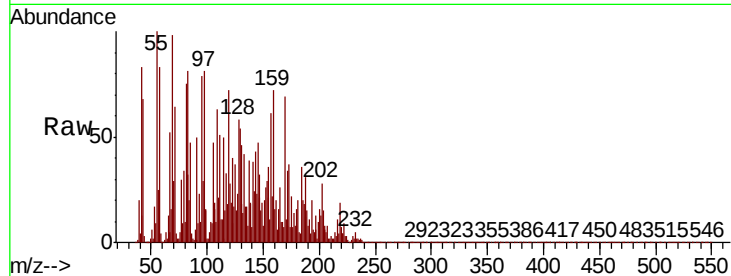




#62
4-Nitroaniline
Concen: 10.081 ng
RT: 15.24 min Scan# 2100
Delta R.T. -0.16 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

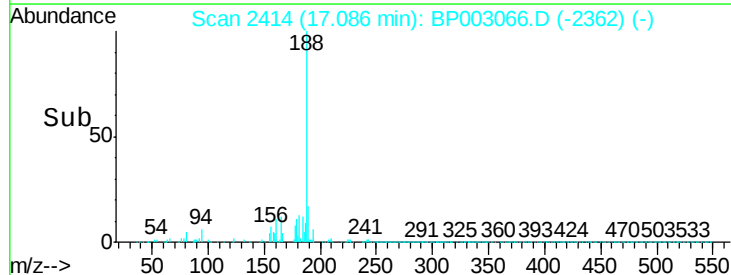
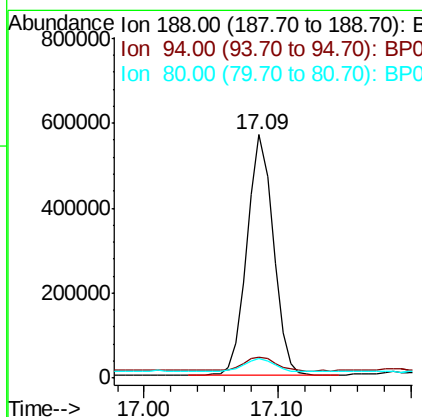
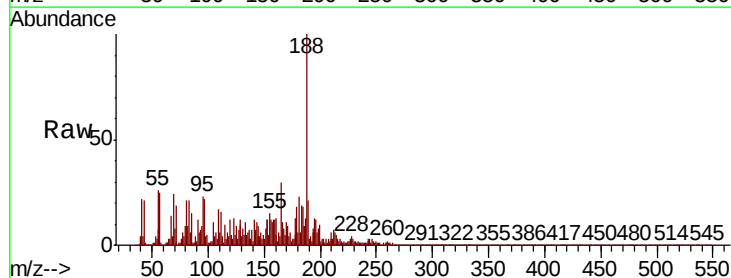
Instrument :
BNA_P
ClientSampled :
E-2

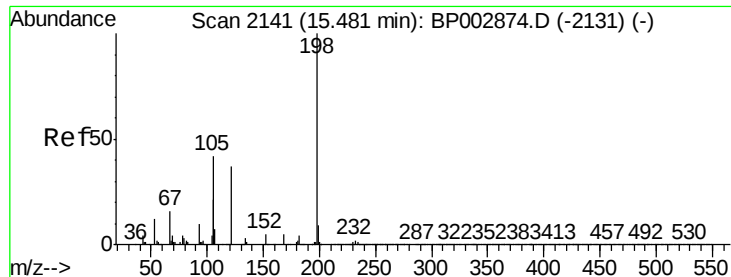
Tot Ion:138 Resp: 54434
Ion Ratio Lower Upper
138 100
92 53.3 21.4 61.4
108 57.3 40.8 80.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.09 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion:188 Resp: 768619
Ion Ratio Lower Upper
188 100
94 8.5 7.1 10.7
80 8.1 6.7 10.1





#65

4,6-Dinitro-2-methylphenol

Concen: 8.668 ng

RT: 15.43 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampled :

E-2

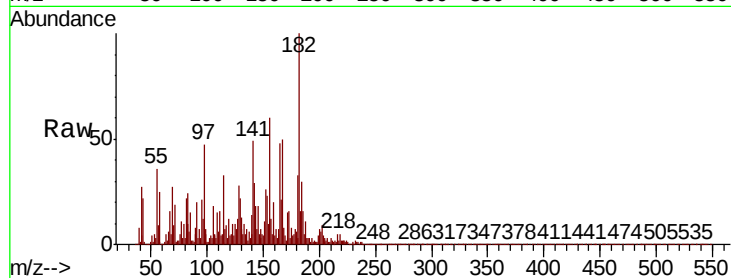
Tot Ion:198 Resp: 8266

Ion Ratio Lower Upper

198 100

51 308.2 6.2 46.2#

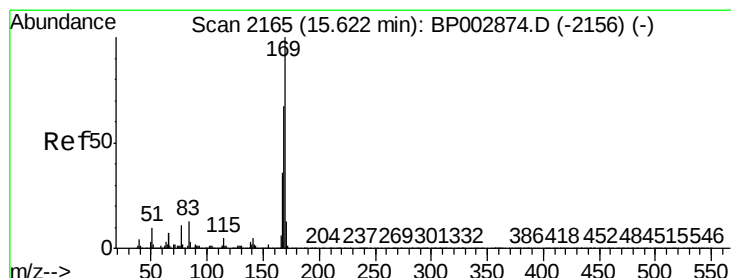
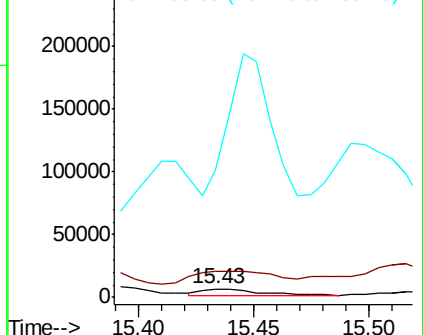
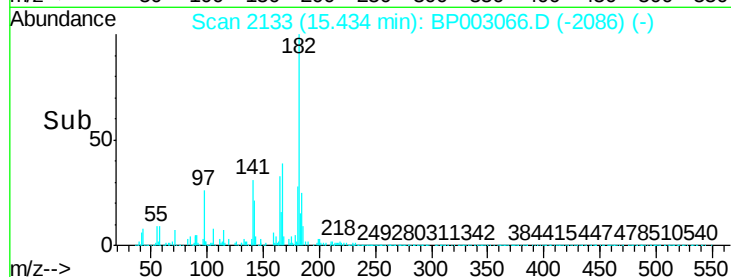
105 1506.9 19.9 59.9#



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



#66

n-Nitrosodiphenylamine

Concen: 55.395 ng

RT: 15.61 min Scan# 2163

Delta R.T. 0.02 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

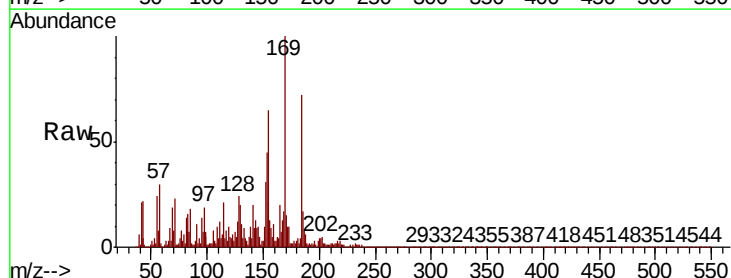
Tgt Ion:169 Resp: 1410119

Ion Ratio Lower Upper

169 100

168 17.0 53.4 80.2#

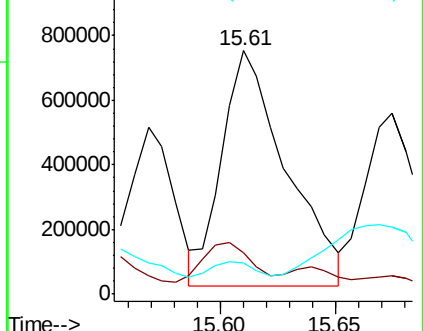
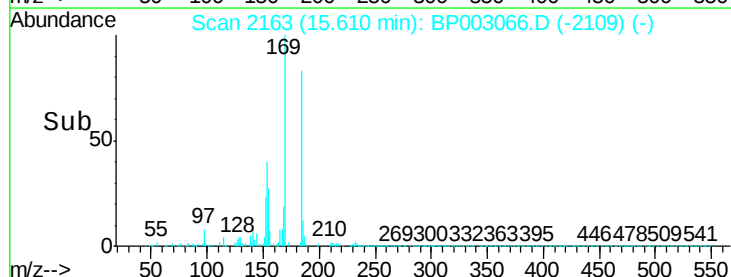
167 12.8 28.8 43.2#

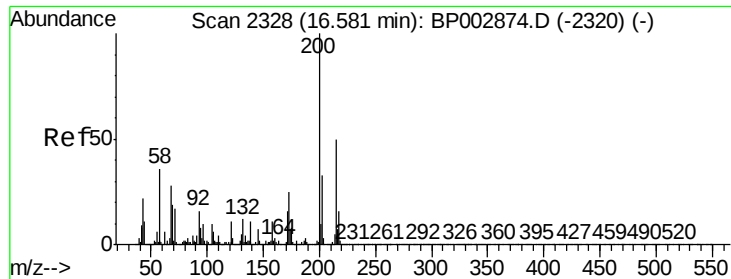


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Atrazine

Concen: 14.770 ng

RT: 16.76 min Scan# 2358

Delta R.T. 0.21 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampled :

E-2

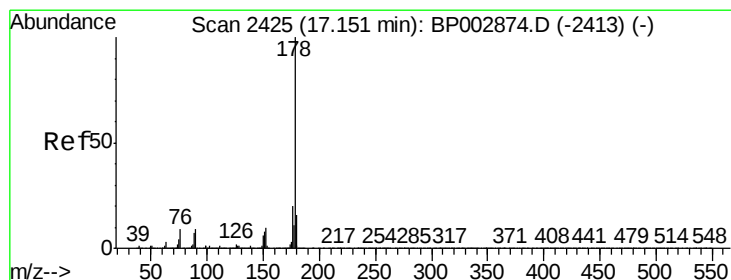
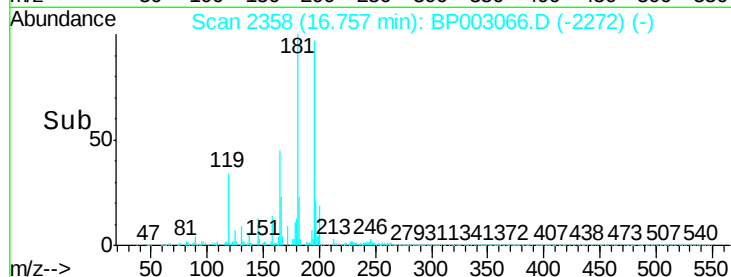
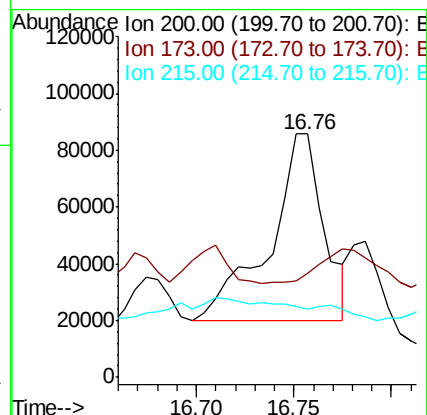
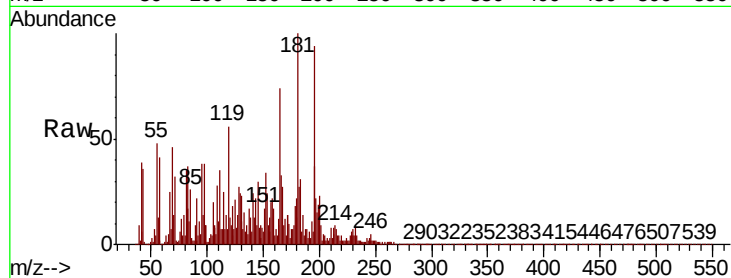
Tot Ion:200 Resp: 127380

Ion Ratio Lower Upper

200 100

173 42.7 7.5 47.5

215 28.1 27.6 67.6



#71

Phenanthrene

Concen: 34.749 ng

RT: 17.13 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

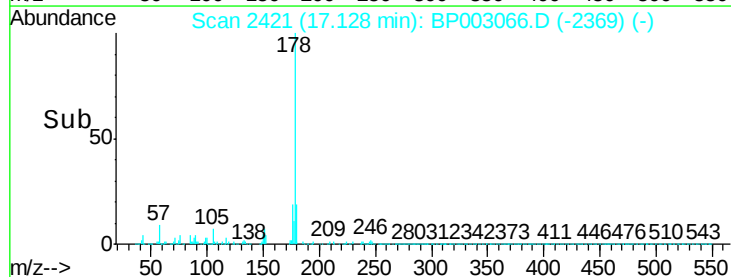
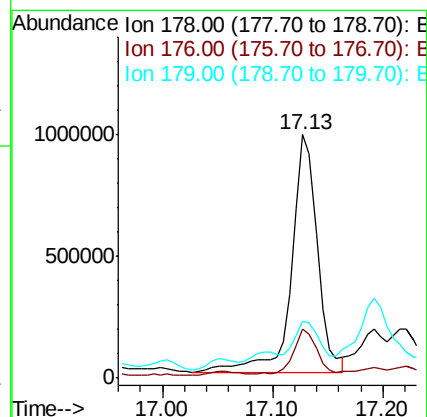
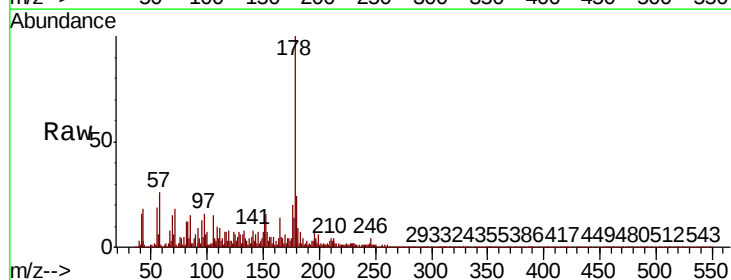
Tgt Ion:178 Resp: 1566200

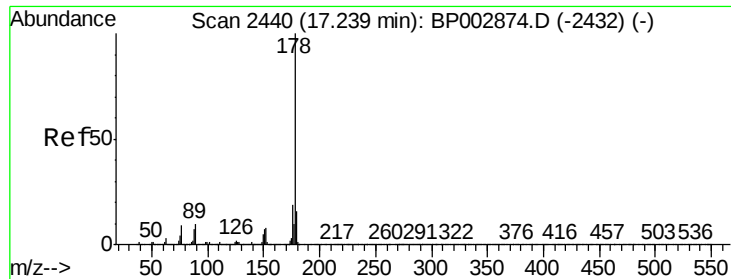
Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

179 23.5 12.9 19.3#





#72

Anthracene

Concen: 5.461 ng

RT: 17.22 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampleId :

E-2

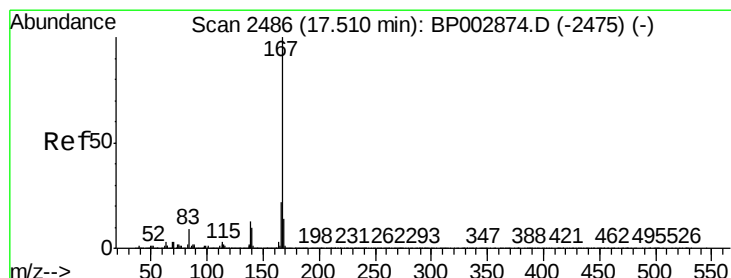
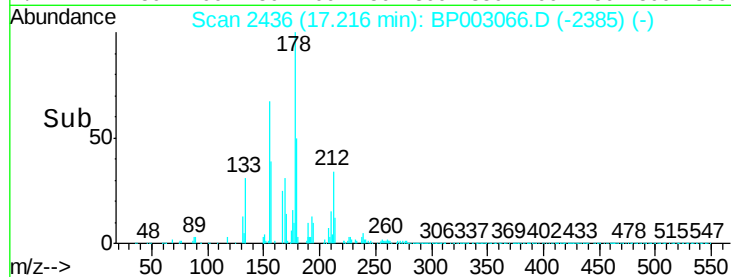
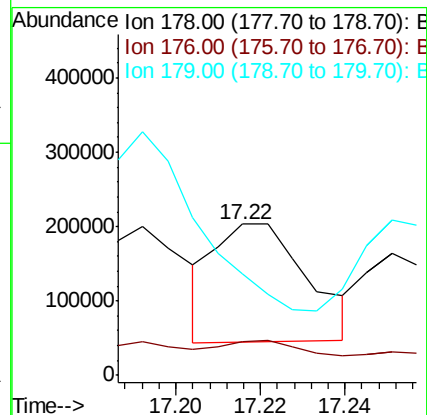
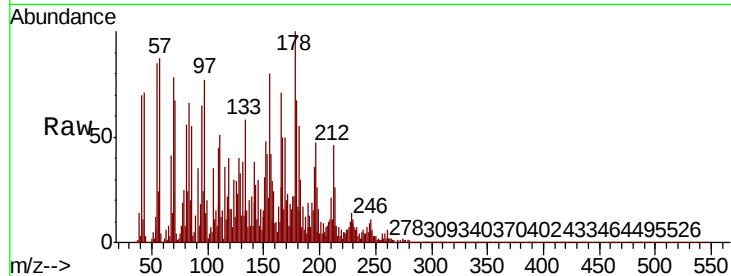
Tot Ion:178 Resp: 240574

Ion Ratio Lower Upper

178 100

176 22.1 15.4 23.0

179 66.9 12.7 19.1#



#73

Carbazole

Concen: 4.010 ng

RT: 17.49 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

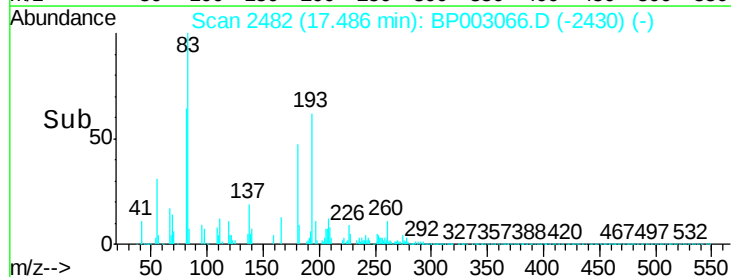
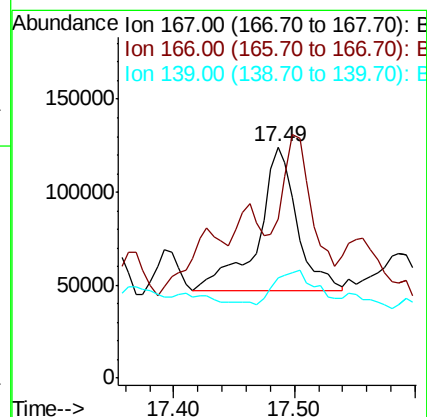
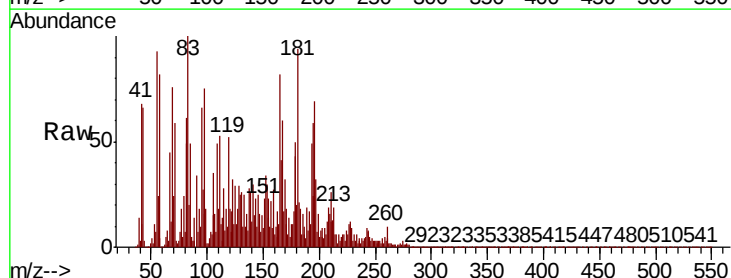
Tgt Ion:167 Resp: 172514

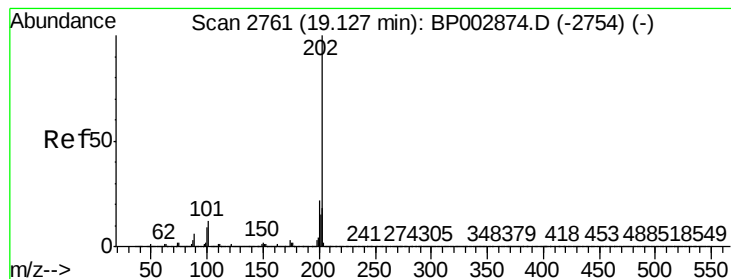
Ion Ratio Lower Upper

167 100

166 68.8 17.5 26.3#

139 43.4 10.6 16.0#





#75

Fluoranthene

Concen: 26.500 ng

RT: 19.10 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampled :

E-2

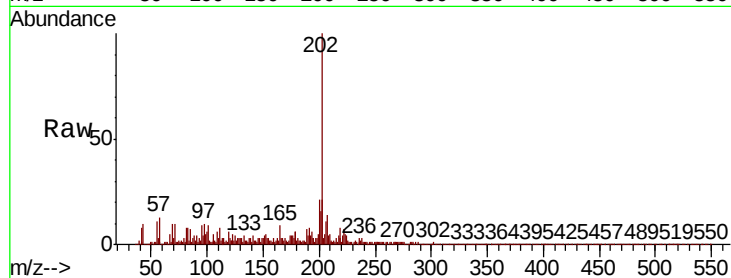
Tot Ion:202 Resp: 1376141

Ion Ratio Lower Upper

202 100

101 8.7 0.0 31.2

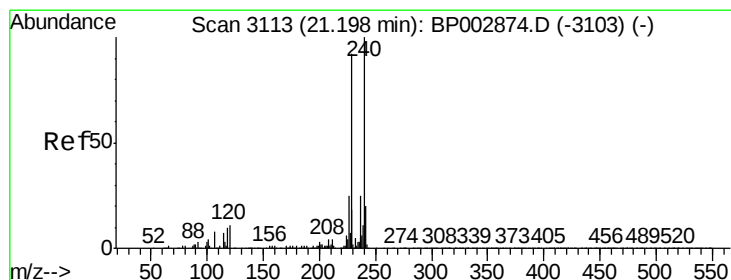
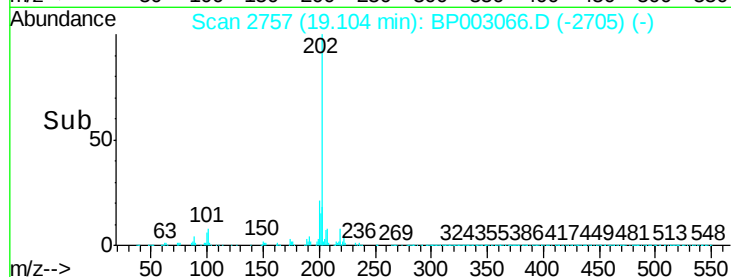
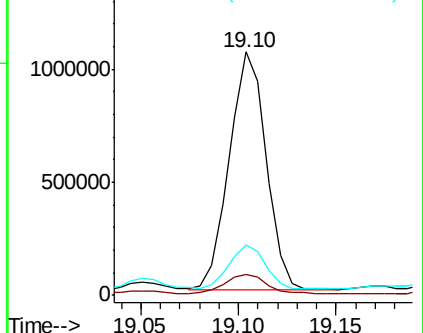
203 20.6 0.0 38.4



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: BP003066.D

Acq: 20 Aug 2020 15:24

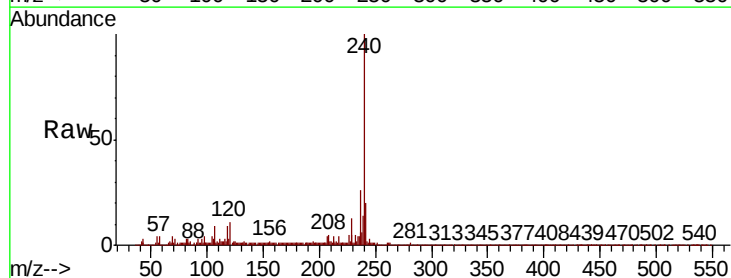
Tgt Ion:240 Resp: 1155373

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

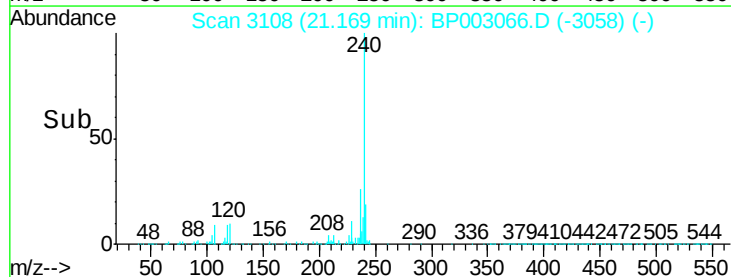
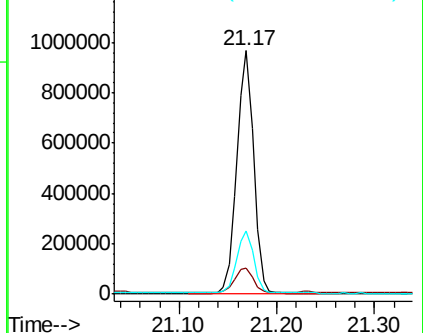
236 26.2 20.8 31.2

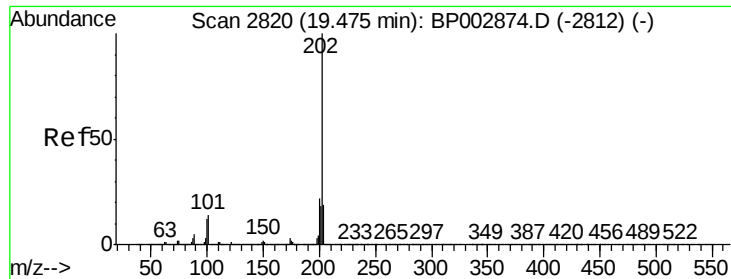


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 24.127 ng

RT: 19.45 min Scan# 2816

Delta R.T. -0.00 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampleId :

E-2

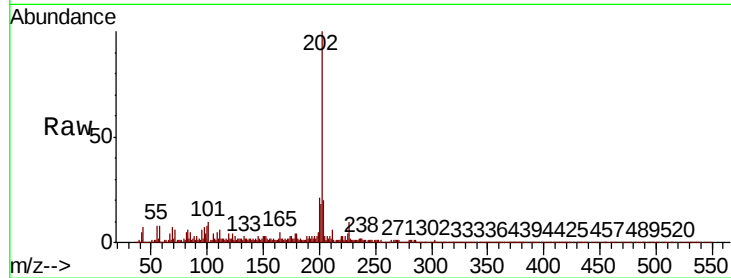
Tot Ion:202 Resp: 1948724

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	20.4	14.6	22.0

202 100

200 20.7 17.8 26.6

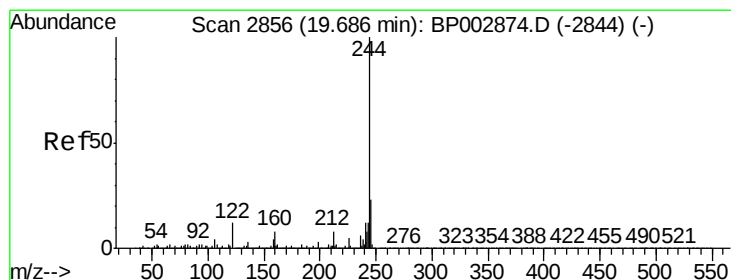
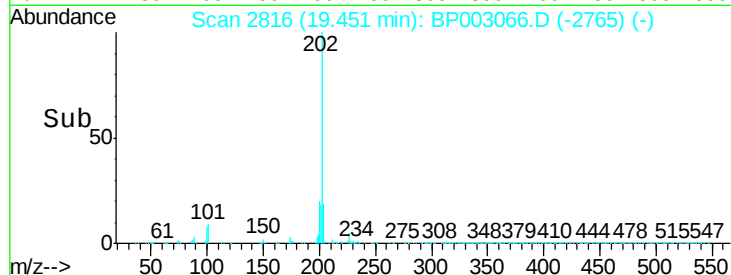
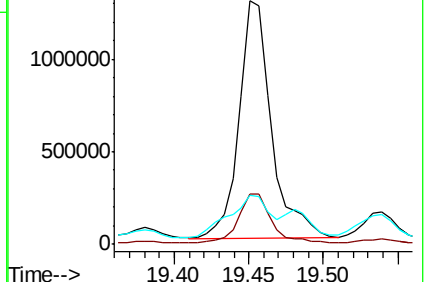
203 20.4 14.6 22.0



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: 42.897 ng

RT: 19.66 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

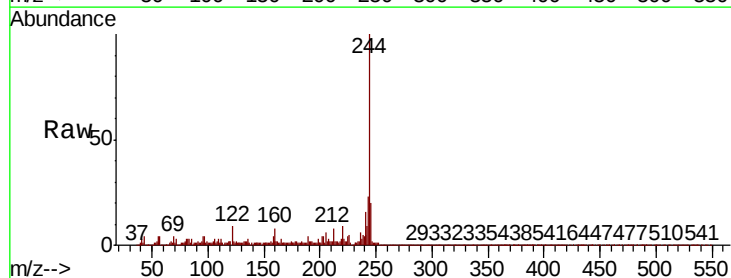
Tgt Ion:244 Resp: 2475661

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.3	9.5
122	8.6	8.7	13.1#

244 100

212 7.7 6.3 9.5

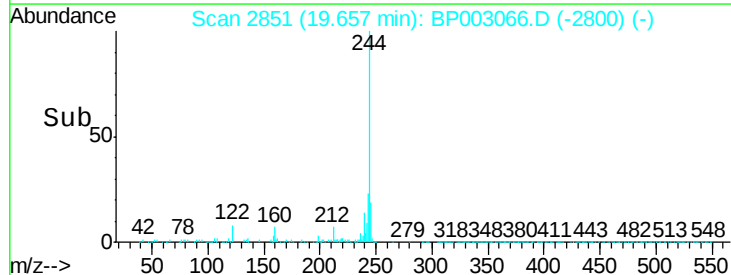
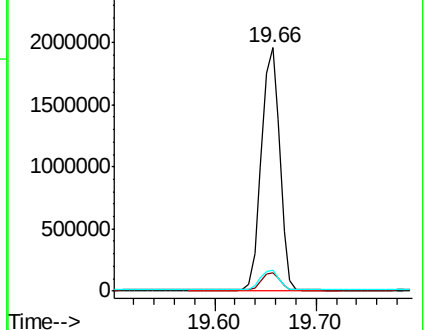
122 8.6 8.7 13.1#

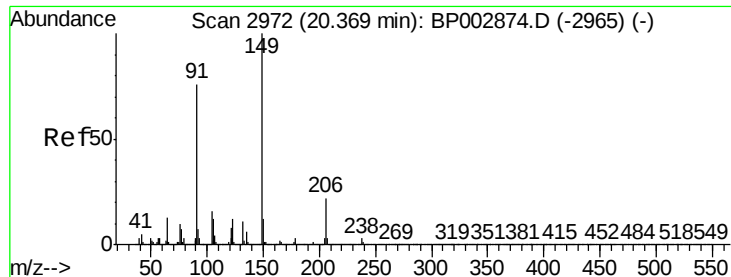


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

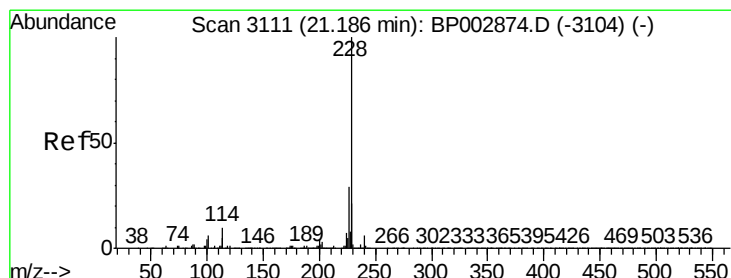
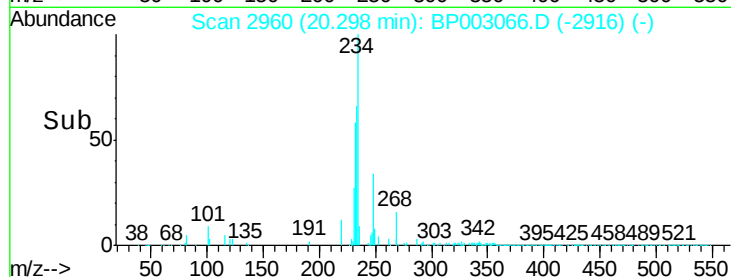
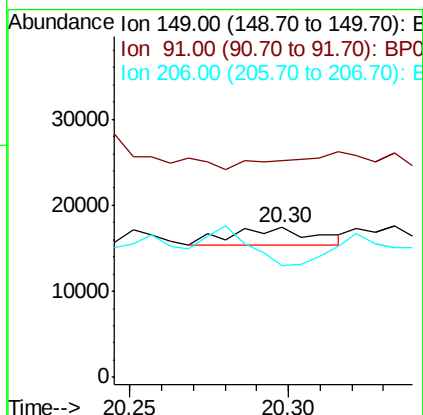
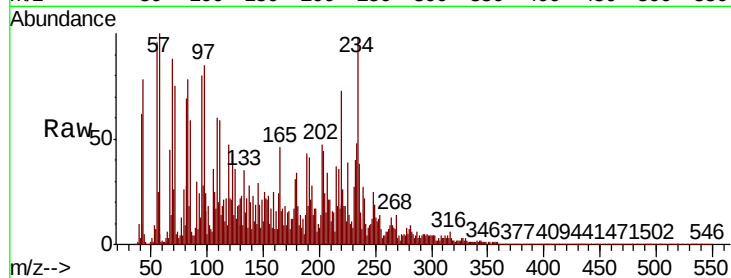




#80
Butylbenzylphthalate
Concen: 3.169 ng
RT: 20.30 min Scan# 2960
Delta R.T. -0.04 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

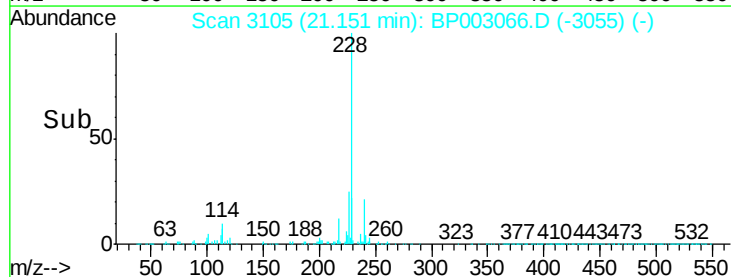
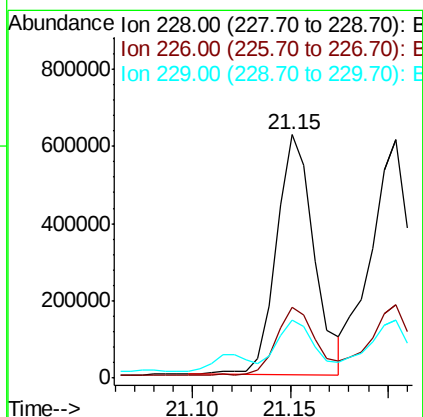
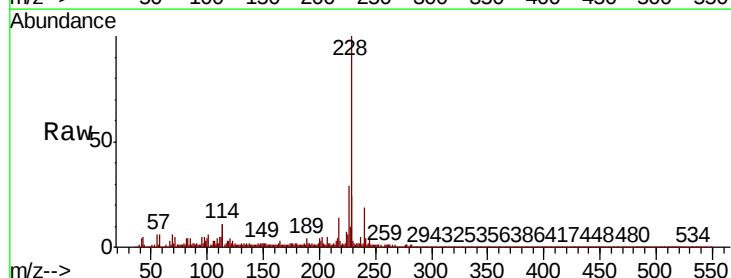
Instrument :
BNA_P
ClientSampled :
E-2

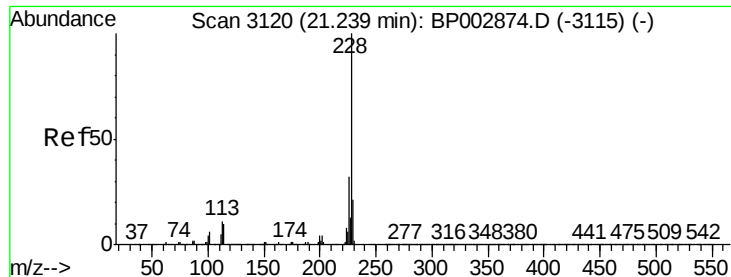
Tot Ion:149 Resp: 3886
Ion Ratio Lower Upper
149 100
91 144.7 45.3 67.9#
206 74.5 17.5 26.3#



#81
Benzo(a)anthracene
Concen: 10.554 ng
RT: 21.15 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BP003066.D
Acq: 20 Aug 2020 15:24

Tgt Ion:228 Resp: 830551
Ion Ratio Lower Upper
228 100
226 28.8 22.6 33.8
229 23.7 16.5 24.7





#83

Chrysene

Concen: 11.418 ng

RT: 21.20 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

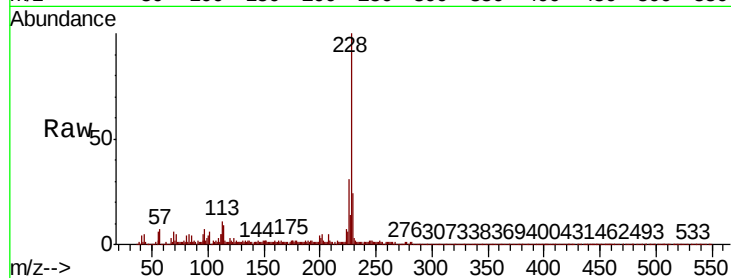
BNA_P

ClientSampled :

E-2

Tot Ion:228 Resp: 847645

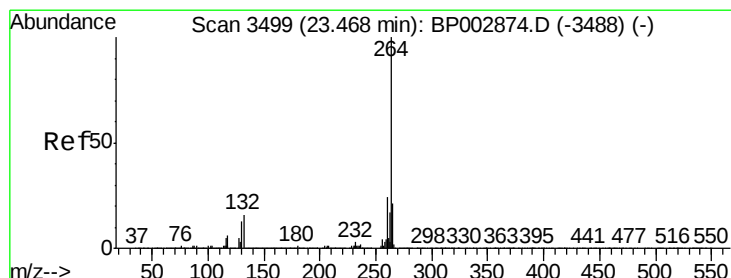
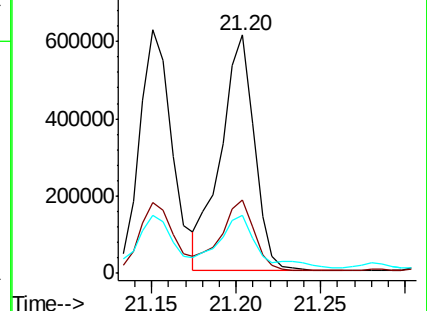
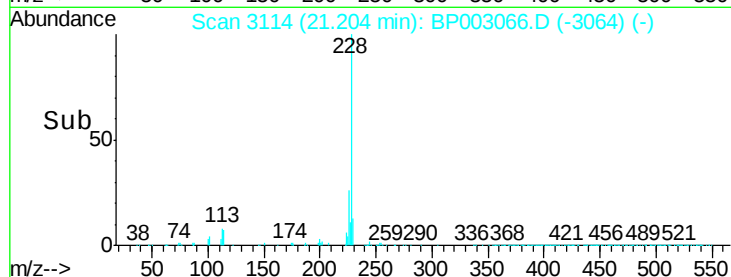
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	24.2	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.41 min Scan# 3489

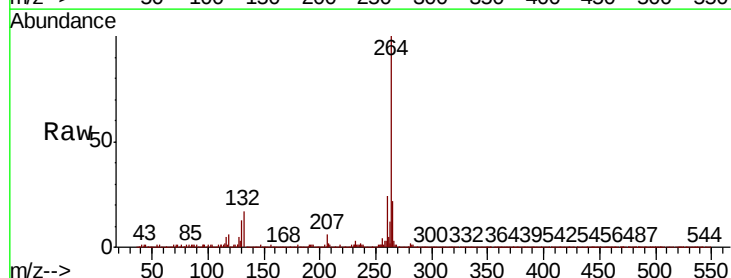
Delta R.T. -0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Tgt Ion:264 Resp: 1496095

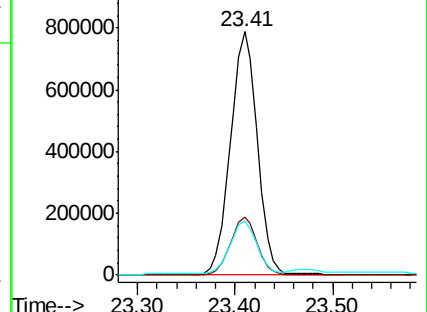
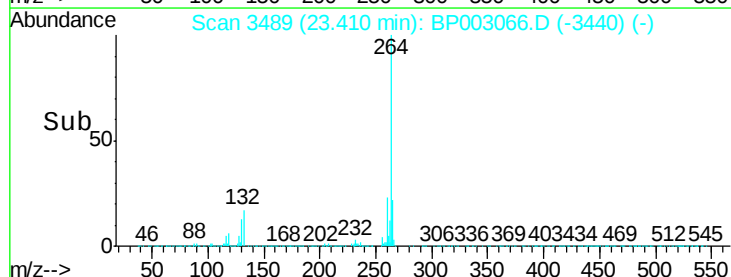
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.1	17.3	25.9

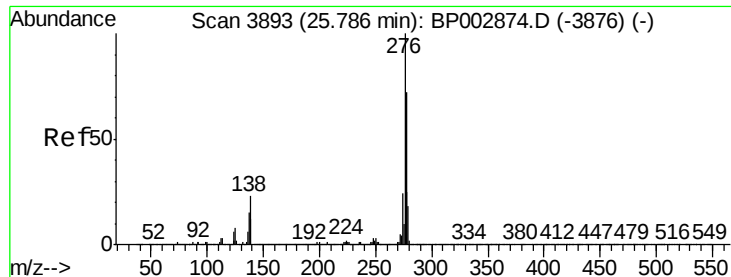


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.040 ng

RT: 25.69 min Scan# 3876

Delta R.T. -0.04 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampleId :

E-2

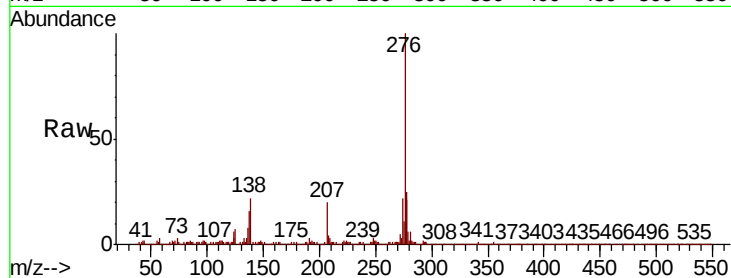
Tot Ion:276 Resp: 723717

Ion Ratio Lower Upper

276 100

138 21.8 22.2 33.2#

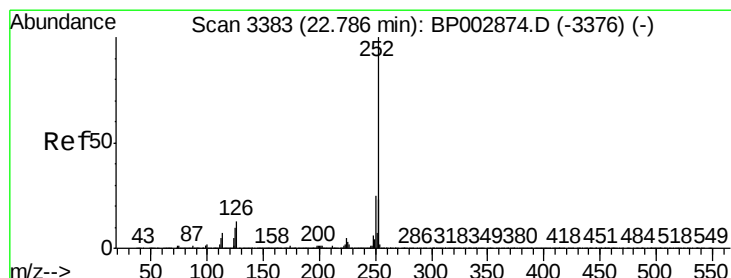
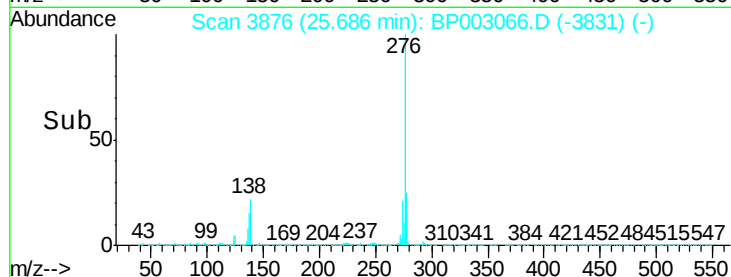
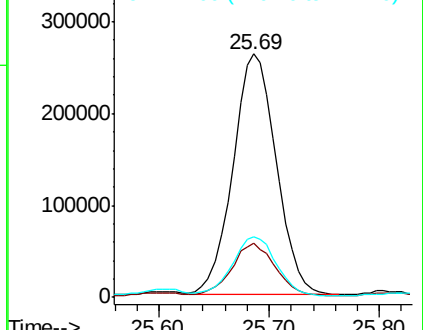
277 25.0 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 16.222 ng

RT: 22.73 min Scan# 3374

Delta R.T. -0.01 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

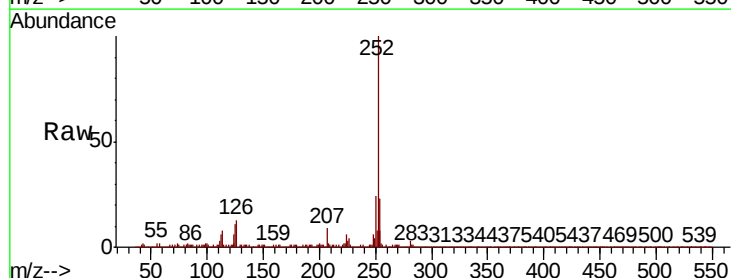
Tgt Ion:252 Resp: 1712638

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

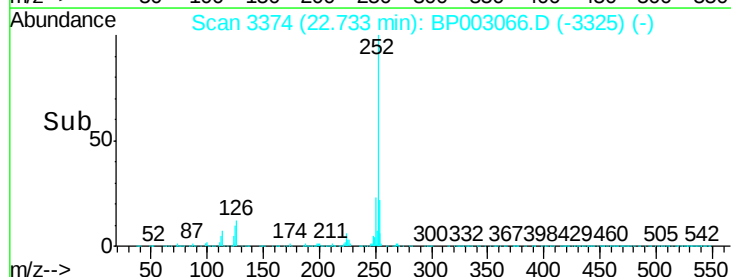
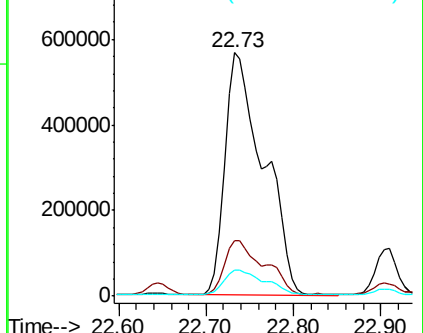
125 10.9 9.4 14.2

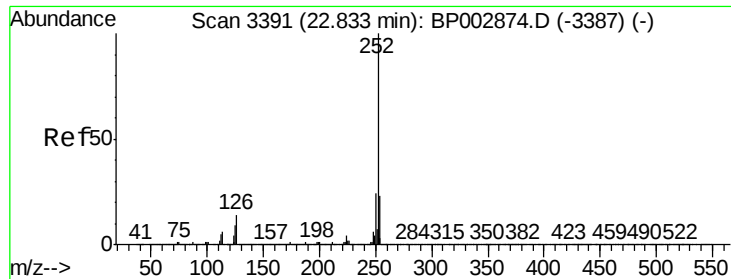


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 17.163 ng

RT: 22.73 min Scan# 3374

Delta R.T. -0.06 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampleId :

E-2

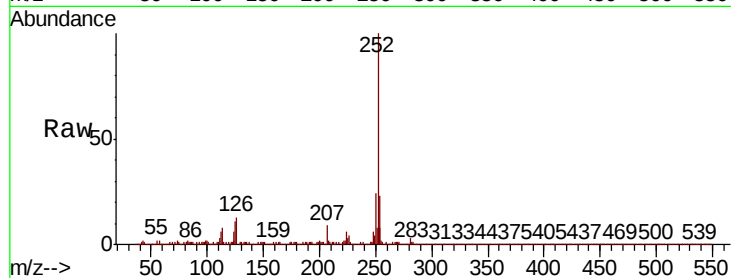
Tot Ion:252 Resp: 1712638

Ion Ratio Lower Upper

252 100

253 22.7 18.3 27.5

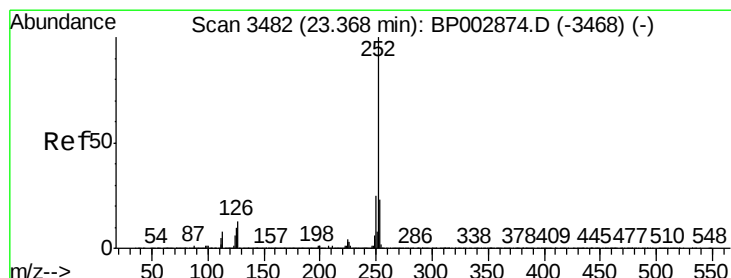
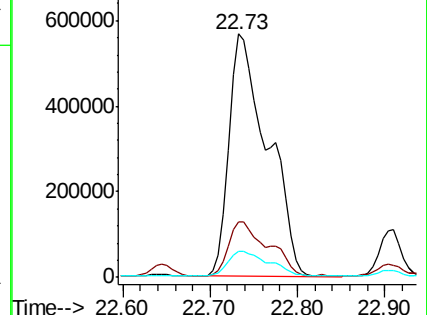
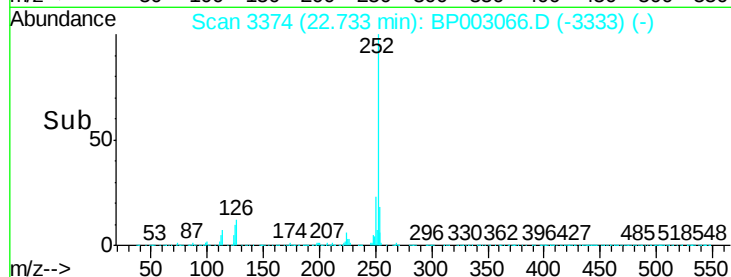
125 10.9 9.3 13.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 9.886 ng

RT: 23.31 min Scan# 3472

Delta R.T. -0.02 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

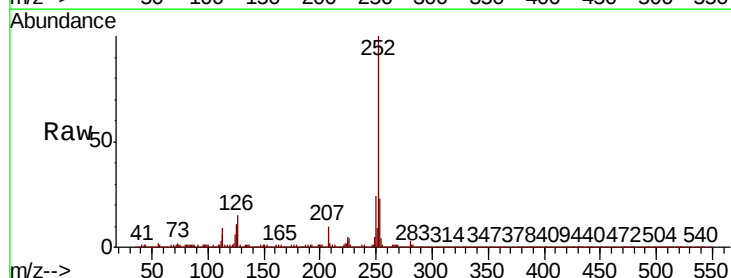
Tgt Ion:252 Resp: 943112

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

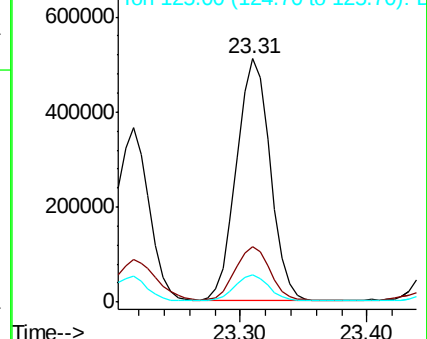
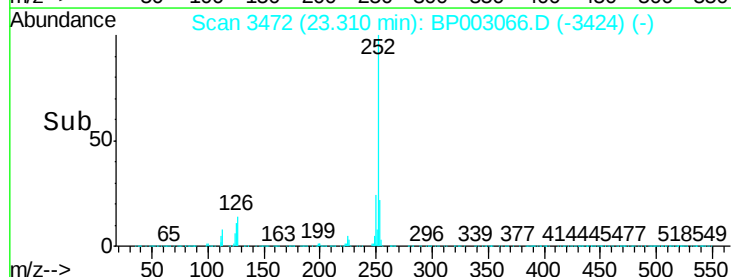
125 11.1 9.9 14.9

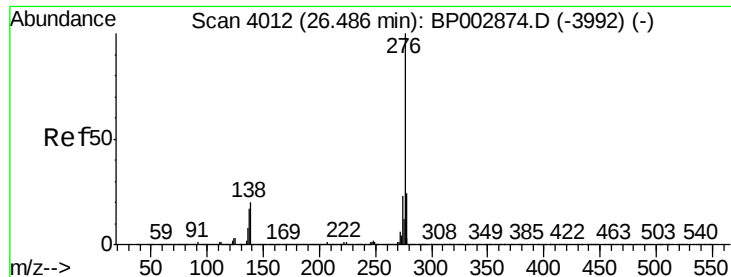


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 7.538 ng

RT: 26.39 min Scan# 3995

Delta R.T. -0.04 min

Lab File: BP003066.D

Acq: 20 Aug 2020 15:24

Instrument :

BNA_P

ClientSampleId :

E-2

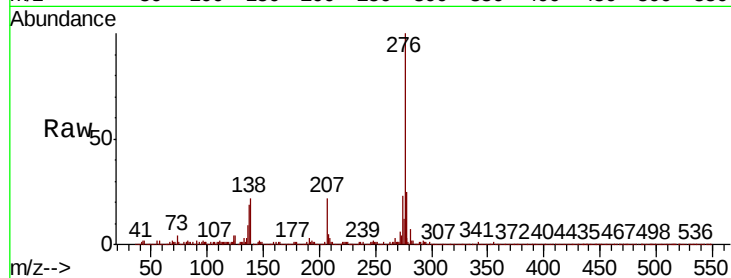
Tot Ion: 276 Resp: 743300

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 21.8 19.3 28.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

