

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112322\
 Data File : BP012709.D
 Acq On : 23 Nov 2022 14:23
 Operator : CG/JU
 Sample : N5742-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FB111622

Quant Time: Nov 24 02:27:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 00:38:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

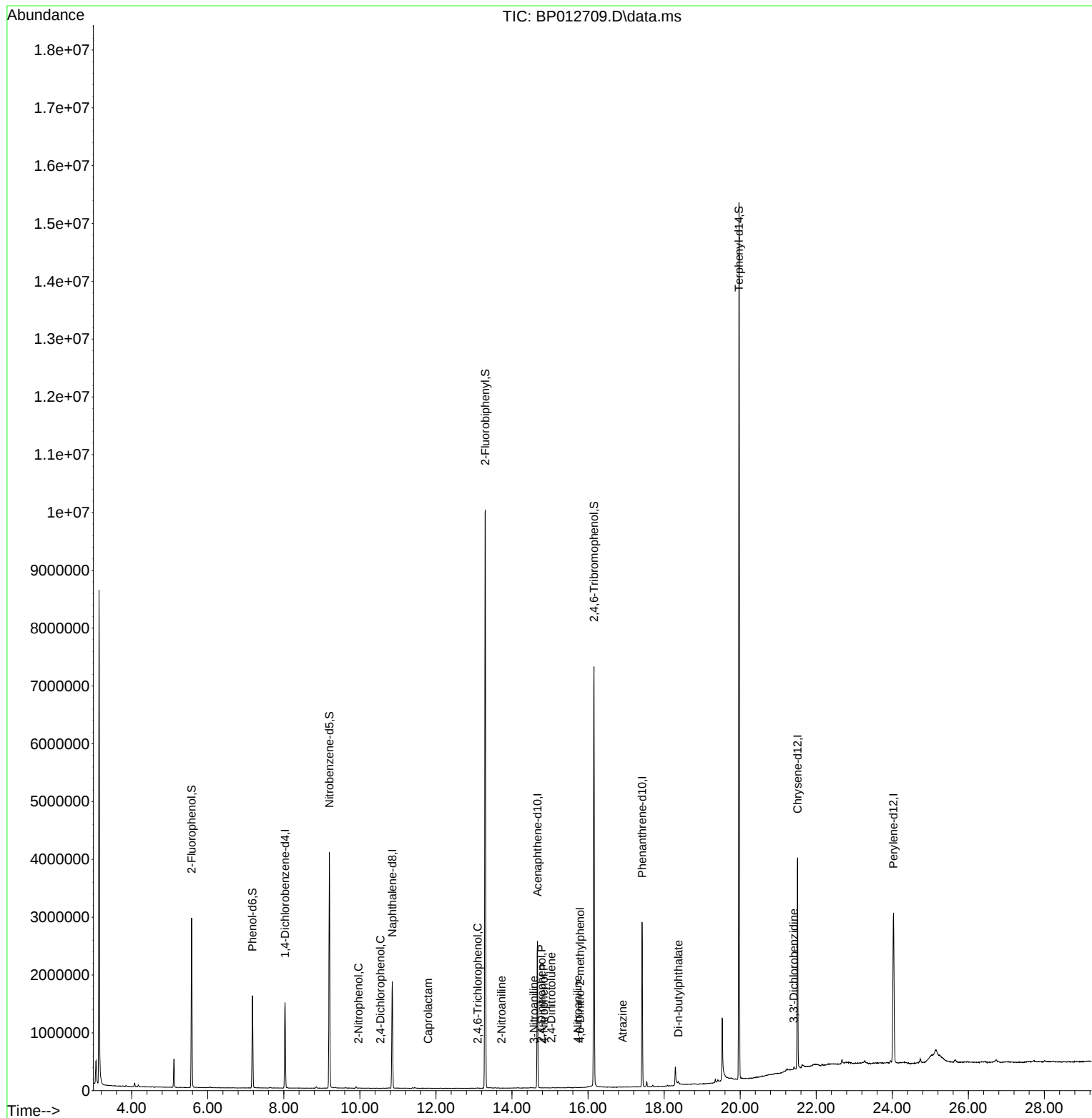
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	410725	20.000	ng	0.00
21) Naphthalene-d8	10.851	136	1533555	20.000	ng	0.00
39) Acenaphthene-d10	14.669	164	864797	20.000	ng	0.00
64) Phenanthrene-d10	17.422	188	1724244	20.000	ng	0.00
76) Chrysene-d12	21.510	240	1824608	20.000	ng	0.00
86) Perylene-d12	24.033	264	2099867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1274142	67.207	ng	0.00
7) Phenol-d6	7.175	99	905542	33.305	ng	0.00
23) Nitrobenzene-d5	9.199	82	2227196	80.996	ng	0.00
42) 2,4,6-Tribromophenol	16.157	330	1447416	129.585	ng	0.00
45) 2-Fluorobiphenyl	13.298	172	5508829	90.752	ng	0.00
79) Terphenyl-d14	19.969	244	7642802	89.026	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.175	77	2031	Below Cal	#	20
26) 2-Nitrophenol	9.963	139	18	4.410 ng	#	1
29) 2,4-Dichlorophenol	10.540	162	103	2.209 ng	#	1
32) Benzoic acid	10.152	122	147	Below Cal	#	1
35) Caprolactam	11.793	113	373	2.813 ng	#	1
43) 2,4,6-Trichlorophenol	13.098	196	59	4.186 ng	#	78
48) 2-Nitroaniline	13.728	65	112	4.814 ng	#	28
53) 3-Nitroaniline	14.575	138	117	3.683 ng	#	37
54) 2,4-Dinitrophenol	14.781	184	14	3.023 ng	#	1
56) 4-Nitrophenol	14.834	139	86	5.706 ng	#	57
57) 2,4-Dinitrotoluene	15.034	165	307	3.567 ng	#	69
62) 4-Nitroaniline	15.728	138	96	4.613 ng	#	1
65) 4,6-Dinitro-2-methylph...	15.792	198	80	3.695 ng	#	1
69) Atrazine	16.910	200	86	4.031 ng	#	6
74) Di-n-butylphthalate	18.375	149	37733	6.073 ng		98
80) Butylbenzylphthalate	20.645	149	1715	Below Cal	#	58
82) 3,3'-Dichlorobenzidine	21.410	252	447	8.629 ng	#	26
84) Bis(2-ethylhexyl)phtha...	21.416	149	17515	Below Cal	#	99
85) Di-n-octyl phthalate	22.392	149	1017	Below Cal	#	8

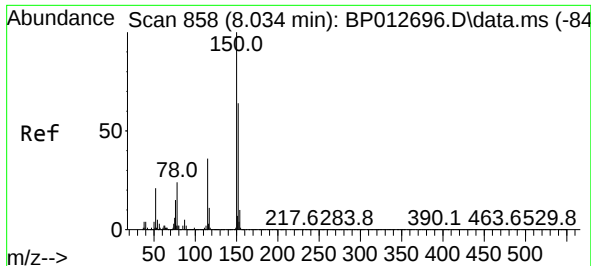
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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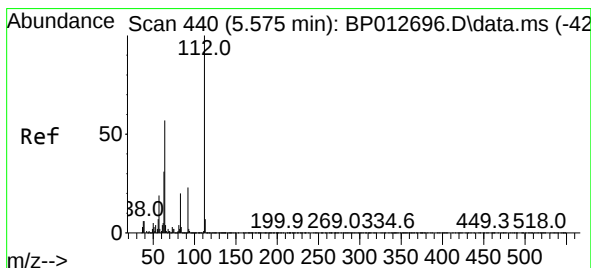
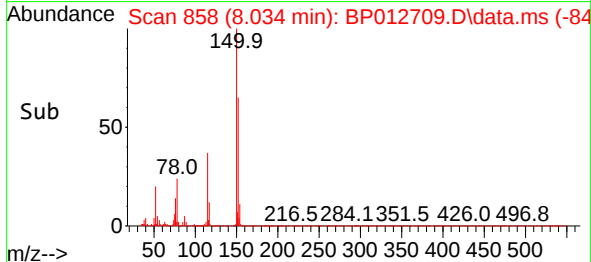
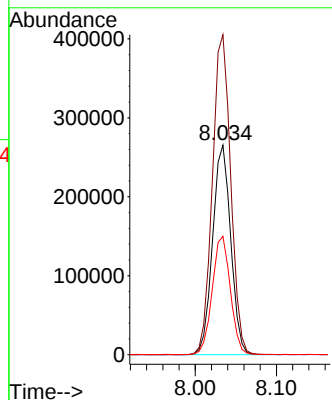
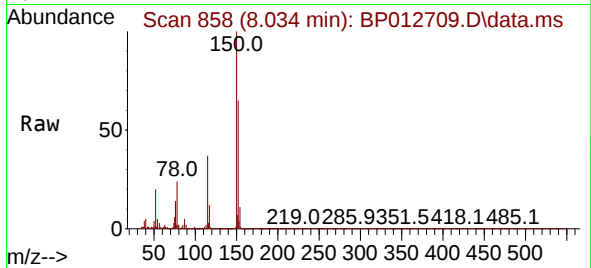




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.034 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

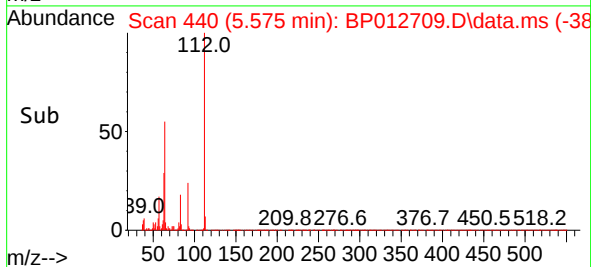
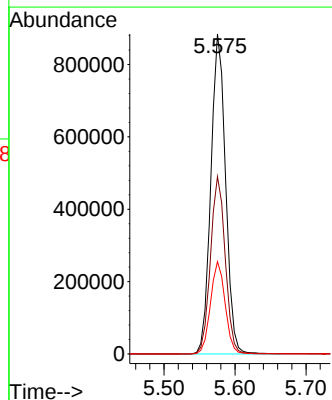
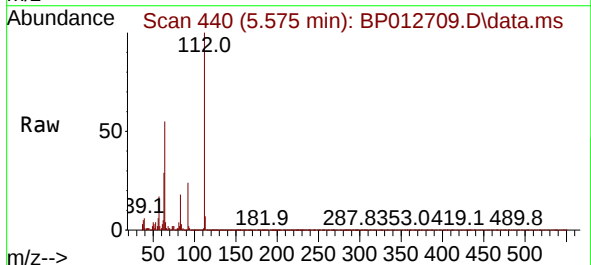
Instrument :
BNA_P
ClientSampleId :
FB111622

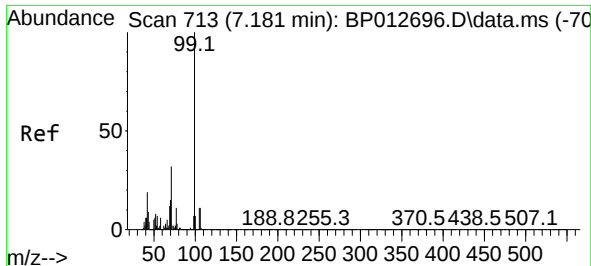
Tgt Ion:152 Resp: 410725
Ion Ratio Lower Upper
152 100
150 152.7 126.0 189.0
115 56.5 44.9 67.3



#5
2-Fluorophenol
Concen: 67.207 ng
RT: 5.575 min Scan# 440
Delta R.T. 0.000 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion:112 Resp: 1274142
Ion Ratio Lower Upper
112 100
64 55.5 45.4 68.0
63 28.8 24.6 37.0

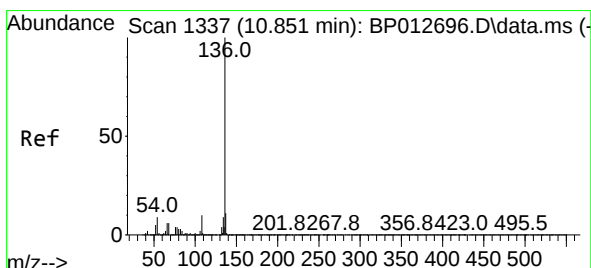
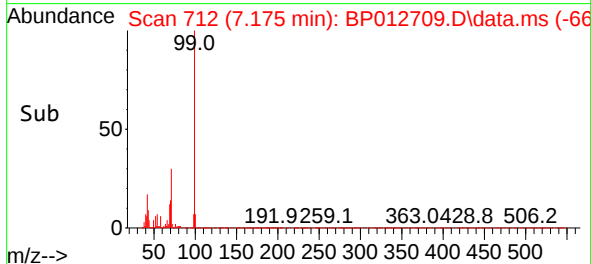
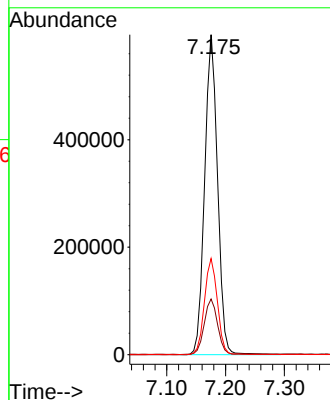
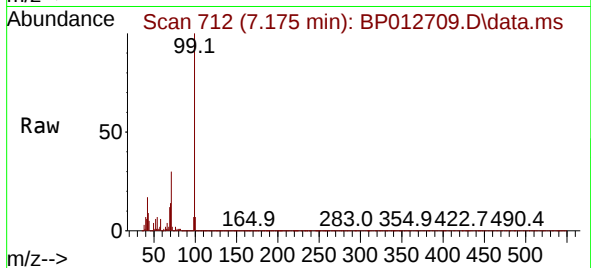




#7
Phenol-d6
Concen: 33.305 ng
RT: 7.175 min Scan# 713
Delta R.T. -0.006 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

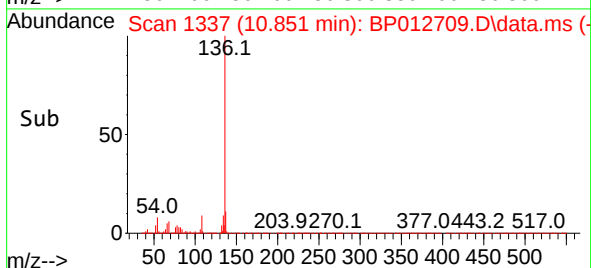
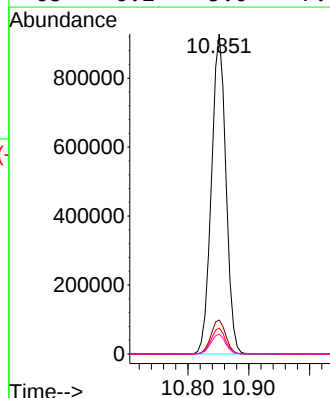
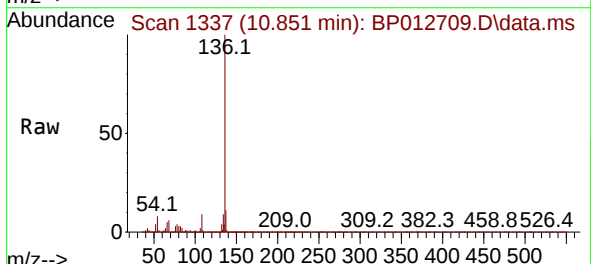
Instrument :
BNA_P
ClientSampleId :
FB111622

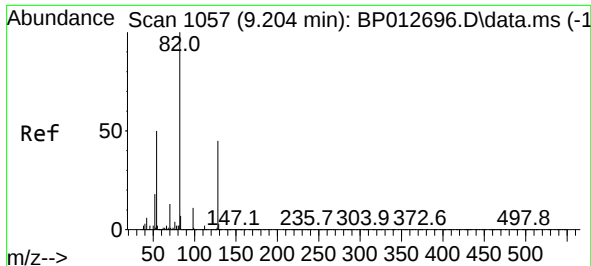
Tgt Ion: 99 Resp: 905542
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.6
71 30.1 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.851 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion:136 Resp: 1533555
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 8.0 6.9 10.3
68 6.2 5.0 7.6

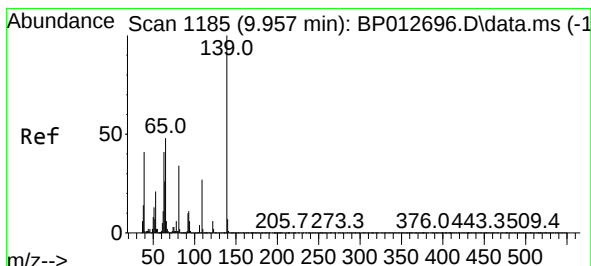
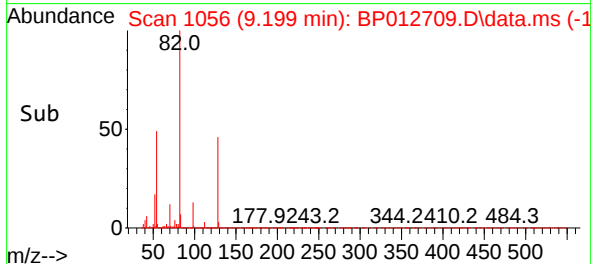
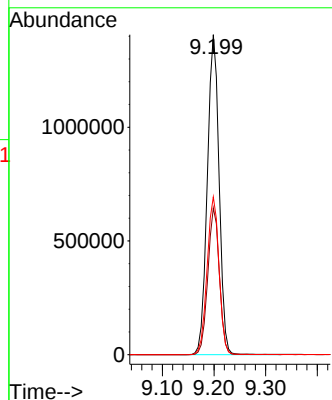
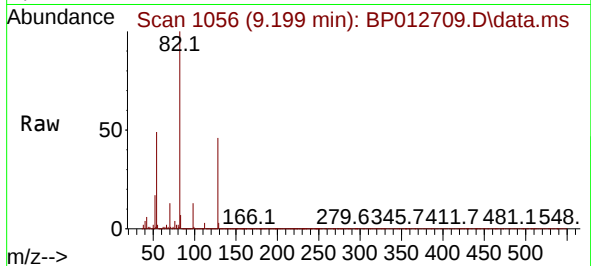




#23
Nitrobenzene-d5
Concen: 80.996 ng
RT: 9.199 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

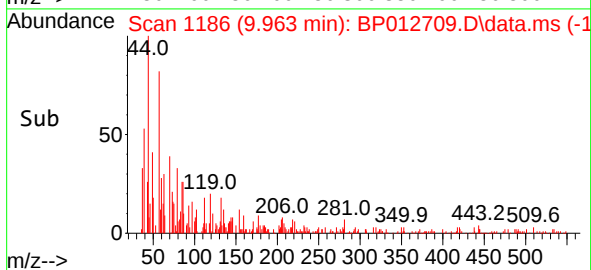
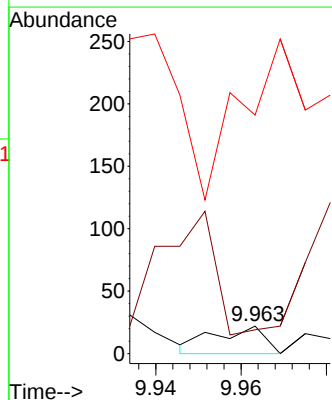
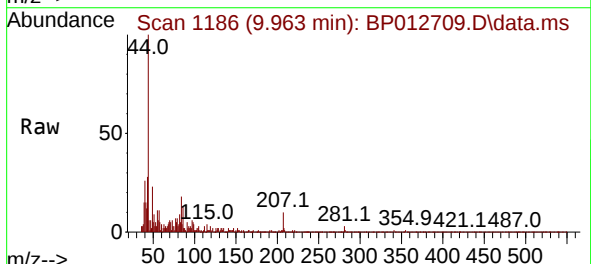
Instrument :
BNA_P
ClientSampleId :
FB111622

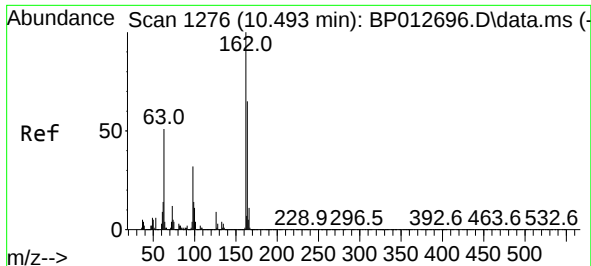
Tgt Ion: 82 Resp: 2227196
Ion Ratio Lower Upper
82 100
128 45.9 35.6 53.4
54 49.3 40.3 60.5



#26
2-Nitrophenol
Concen: 4.410 ng
RT: 9.963 min Scan# 1186
Delta R.T. 0.006 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion:139 Resp: 18
Ion Ratio Lower Upper
139 100
109 86.4 21.5 32.3#
65 868.2 38.3 57.5#





#29

2,4-Dichlorophenol

Concen: 2.209 ng

RT: 10.540 min Scan# 11

Delta R.T. 0.047 min

Lab File: BP012709.D

Acq: 23 Nov 2022 14:23

Instrument :

BNA_P

ClientSampleId :

FB111622

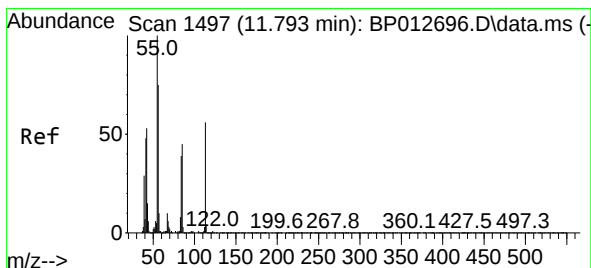
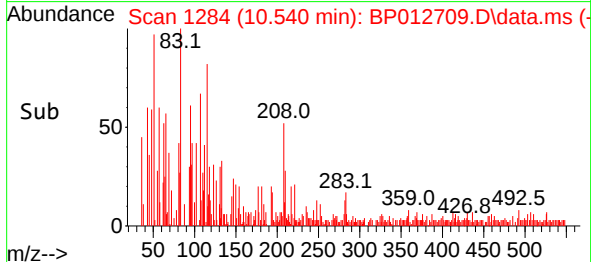
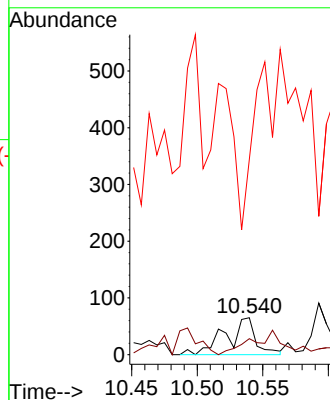
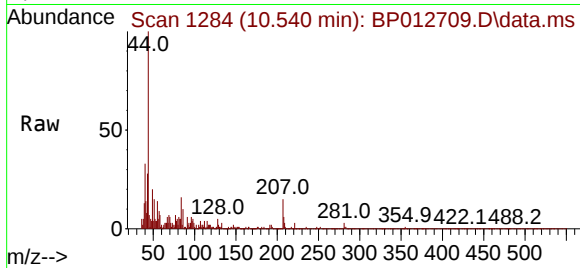
Tgt Ion:162 Resp: 103

Ion Ratio Lower Upper

162 100

164 43.1 44.9 84.9#

98 529.2 12.5 52.5#



#35

Caprolactam

Concen: 2.813 ng

RT: 11.793 min Scan# 1497

Delta R.T. -0.000 min

Lab File: BP012709.D

Acq: 23 Nov 2022 14:23

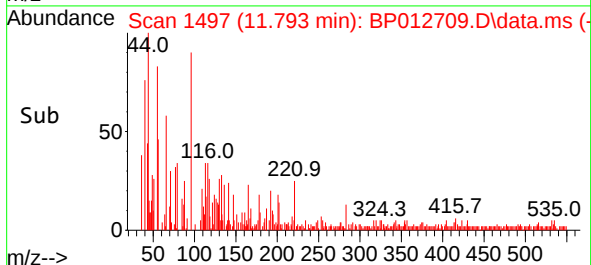
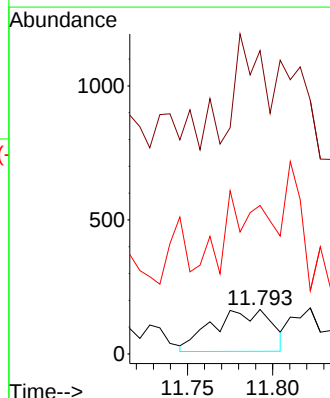
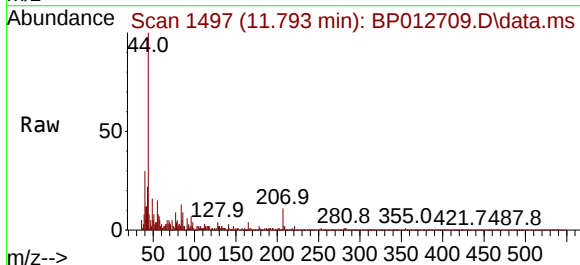
Tgt Ion:113 Resp: 373

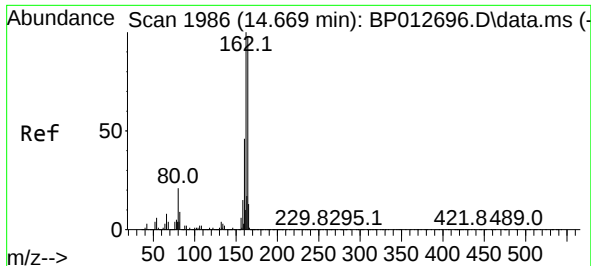
Ion Ratio Lower Upper

113 100

55 681.9 158.0 198.0#

56 333.7 114.1 154.1#

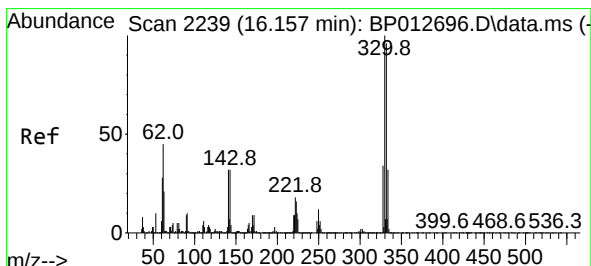
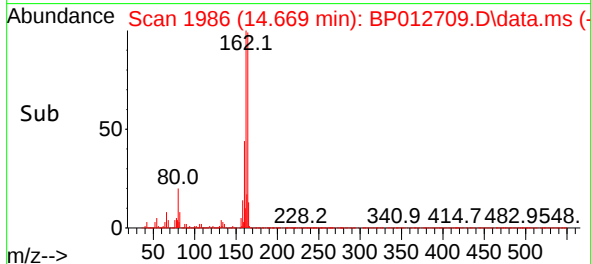
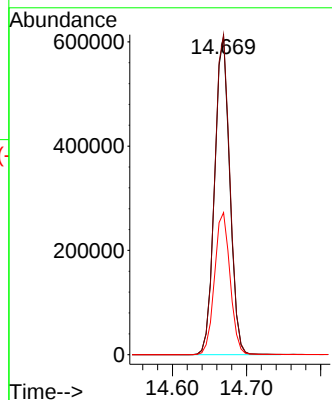
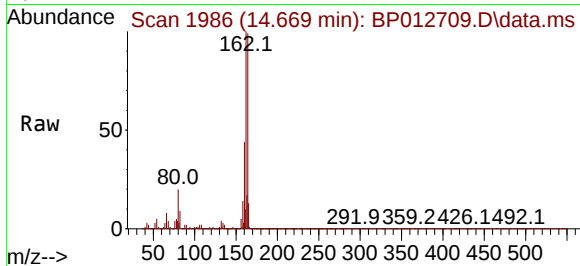




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

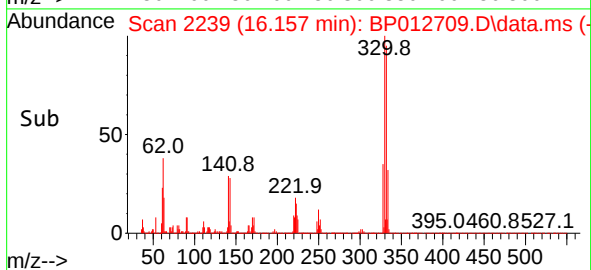
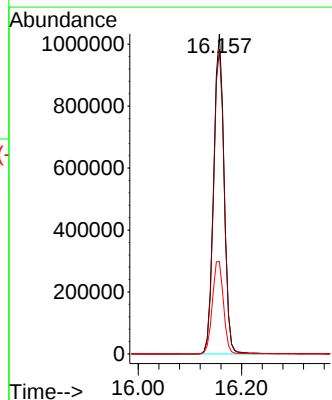
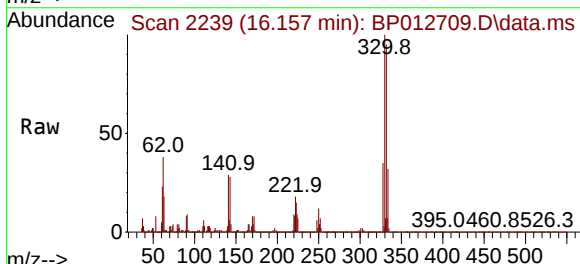
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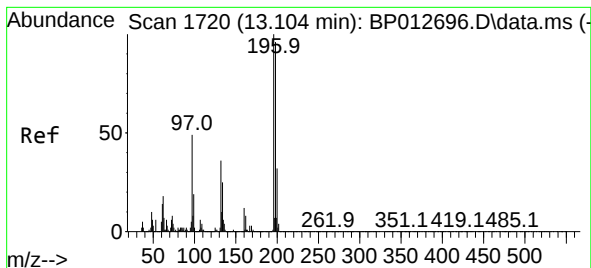
Tgt Ion:164 Resp: 864797
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 44.6 37.6 56.4



#42
2,4,6-Tribromophenol
Concen: 129.585 ng
RT: 16.157 min Scan# 2239
Delta R.T. 0.000 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion:330 Resp: 1447416
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 30.9 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 4.186 ng

RT: 13.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP012709.D

Acq: 23 Nov 2022 14:23

Instrument :

BNA_P

ClientSampleId :

FB111622

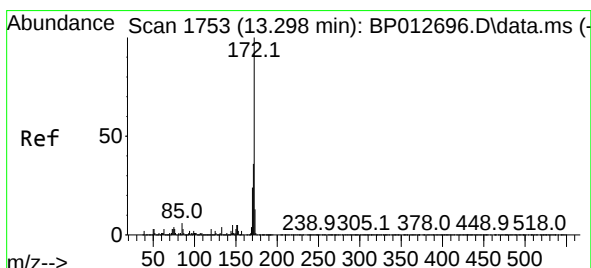
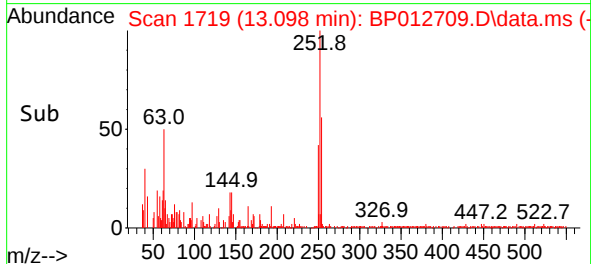
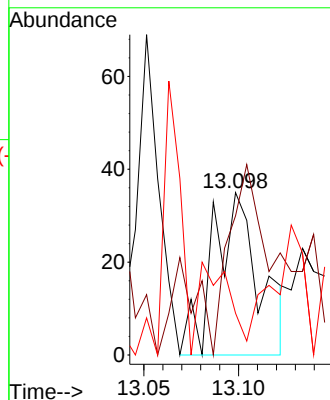
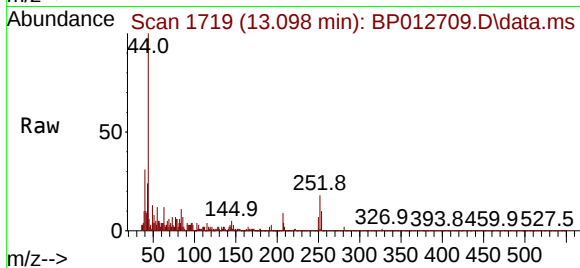
Tgt Ion:196 Resp: 59

Ion Ratio Lower Upper

196 100

198 85.7 76.6 115.0

200 62.9 25.2 37.8#



#45

2-Fluorobiphenyl

Concen: 90.752 ng

RT: 13.298 min Scan# 1753

Delta R.T. 0.000 min

Lab File: BP012709.D

Acq: 23 Nov 2022 14:23

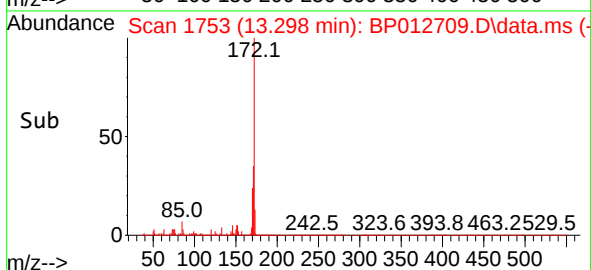
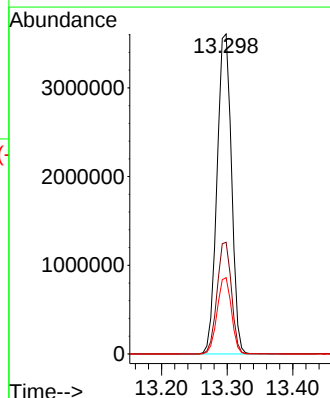
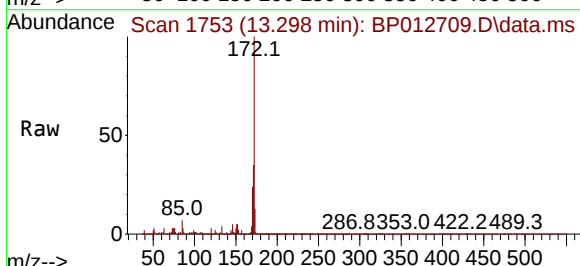
Tgt Ion:172 Resp: 5508829

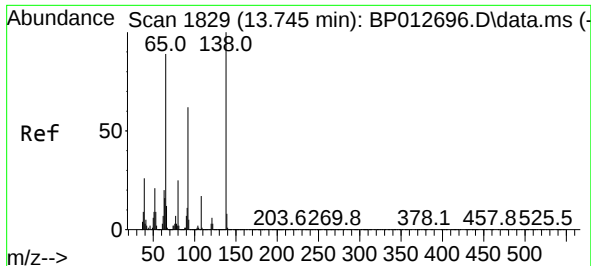
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.9 19.1 28.7

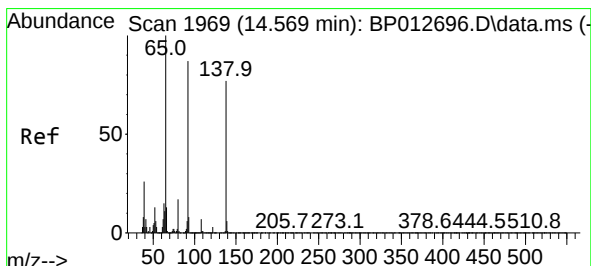
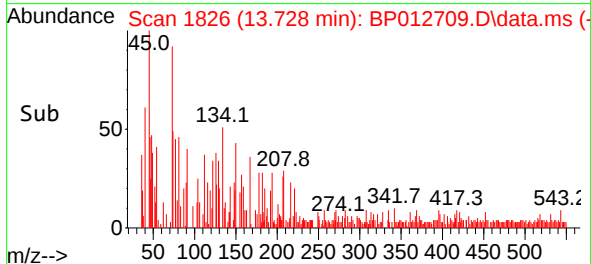
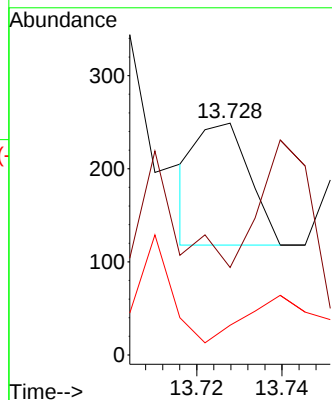
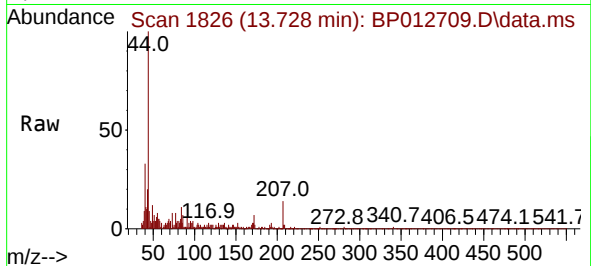




#48
2-Nitroaniline
Concen: 4.814 ng
RT: 13.728 min Scan# 111
Delta R.T. -0.017 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

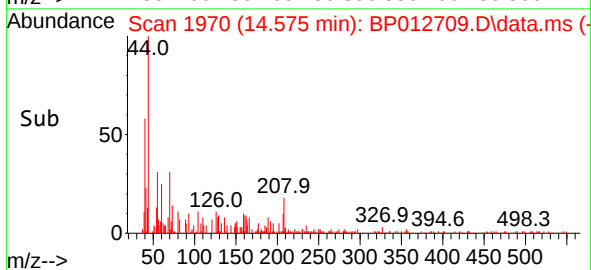
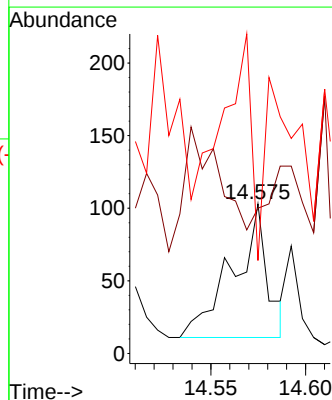
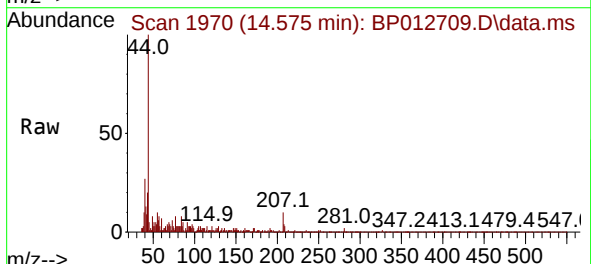
Instrument :
BNA_P
ClientSampleId :
FB111622

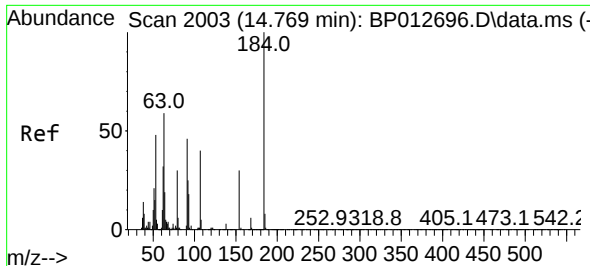
Tgt Ion: 65 Resp: 112
Ion Ratio Lower Upper
65 100
92 37.8 55.4 83.2#
138 12.9 89.5 134.3#



#53
3-Nitroaniline
Concen: 3.683 ng
RT: 14.575 min Scan# 1970
Delta R.T. 0.006 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion: 138 Resp: 117
Ion Ratio Lower Upper
138 100
108 97.1 7.4 11.2#
92 62.1 91.3 136.9#

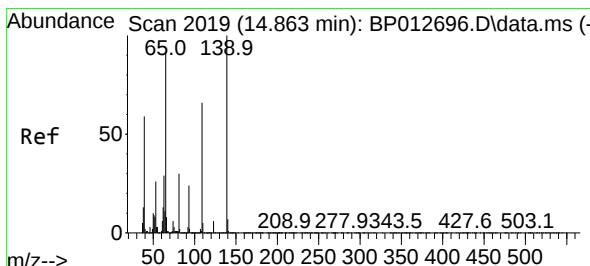
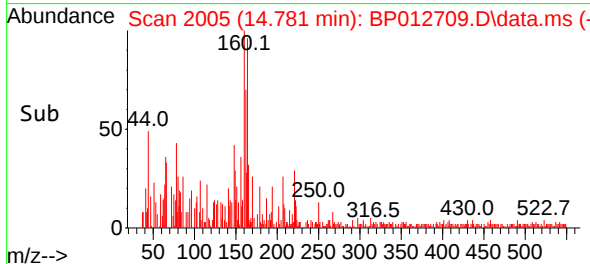
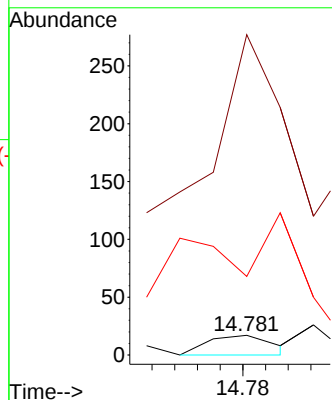
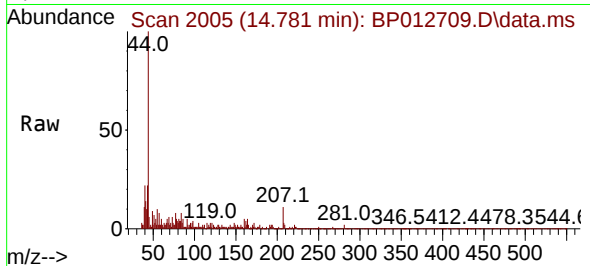




#54
2,4-Dinitrophenol
Concen: 3.023 ng
RT: 14.781 min Scan# 2014
Delta R.T. 0.012 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

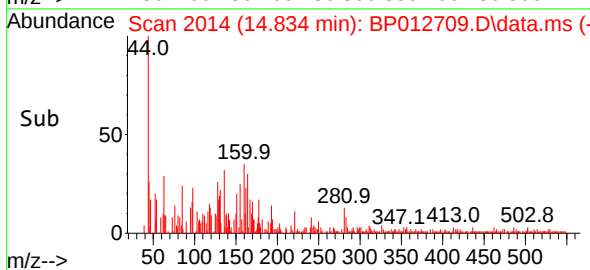
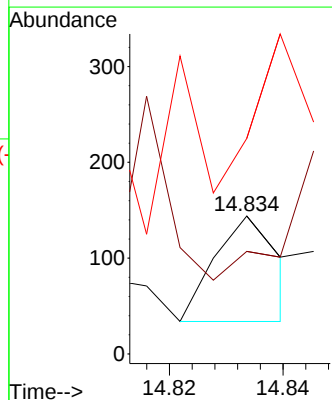
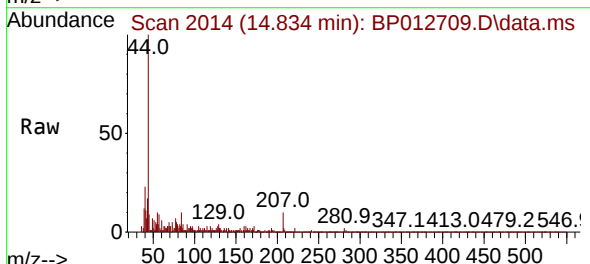
Instrument :
BNA_P
ClientSampleId :
FB111622

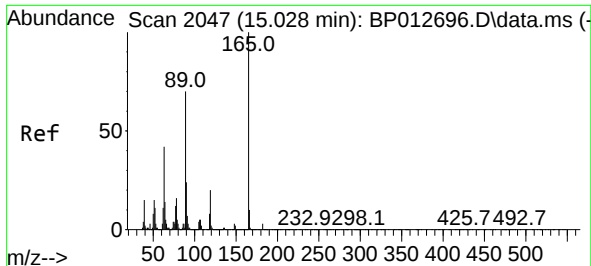
Tgt Ion:184 Resp: 14
Ion Ratio Lower Upper
184 100
63 1629.4 50.0 75.0#
154 400.0 45.5 68.3#



#56
4-Nitrophenol
Concen: 5.706 ng
RT: 14.834 min Scan# 2014
Delta R.T. -0.029 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion:139 Resp: 86
Ion Ratio Lower Upper
139 100
109 74.3 46.1 86.1
65 156.3 72.5 112.5#

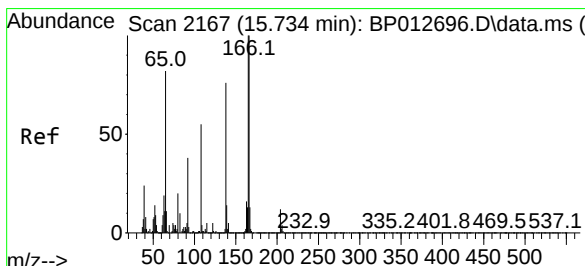
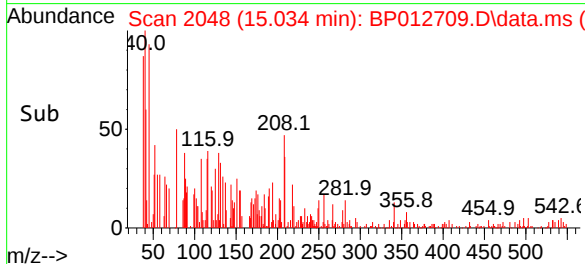
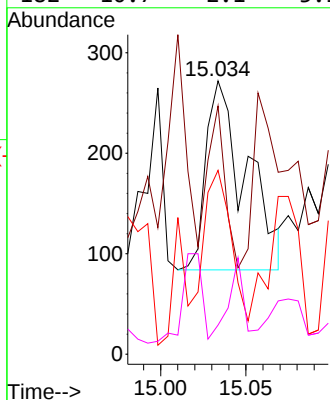
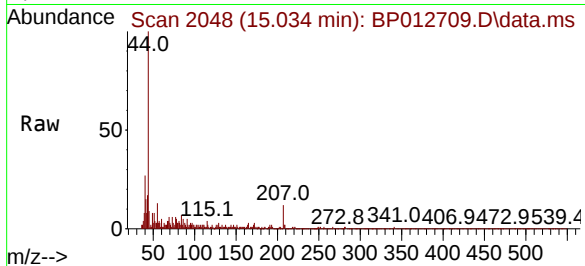




#57
2,4-Dinitrotoluene
Concen: 3.567 ng
RT: 15.034 min Scan# 2047
Delta R.T. 0.006 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

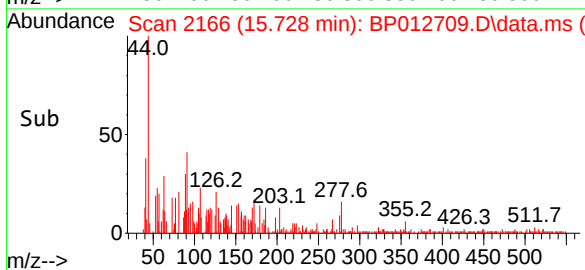
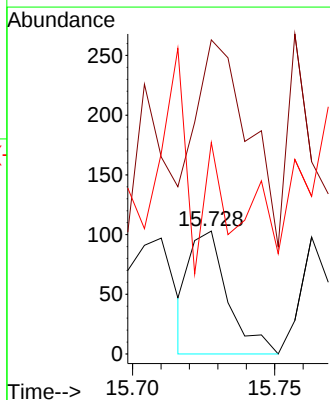
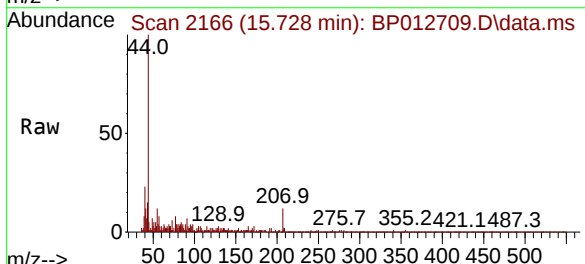
Instrument :
BNA_P
ClientSampleId :
FB111622

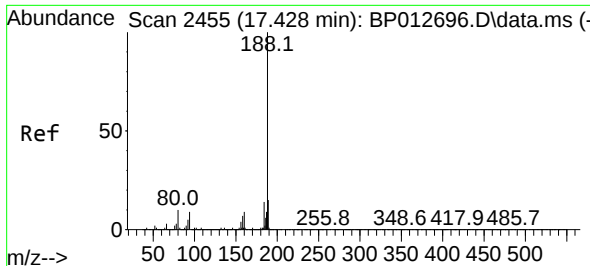
Tgt Ion:165 Resp: 307
Ion Ratio Lower Upper
165 100
63 90.8 33.7 50.5#
89 67.3 56.3 84.5
182 10.7 2.1 3.1#



#62
4-Nitroaniline
Concen: 4.613 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion:138 Resp: 96
Ion Ratio Lower Upper
138 100
92 255.3 29.6 69.6#
108 171.8 51.4 91.4#

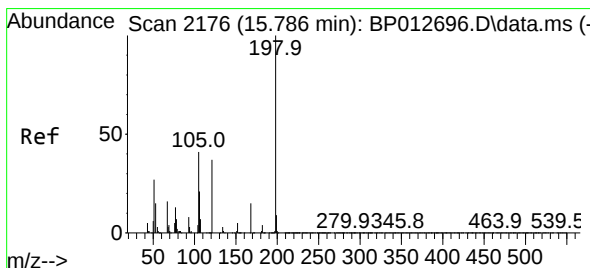
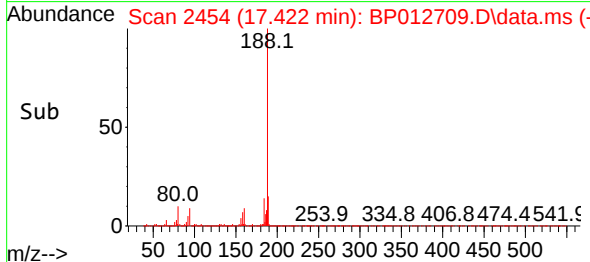
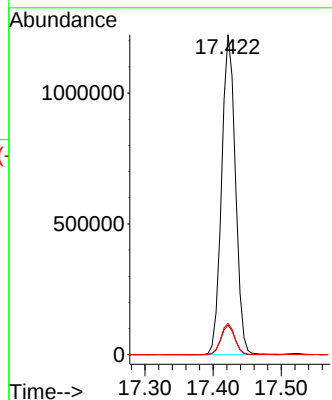
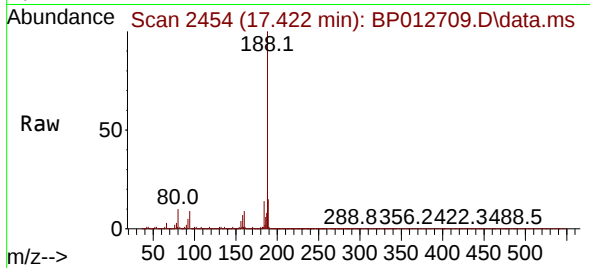




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.422 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

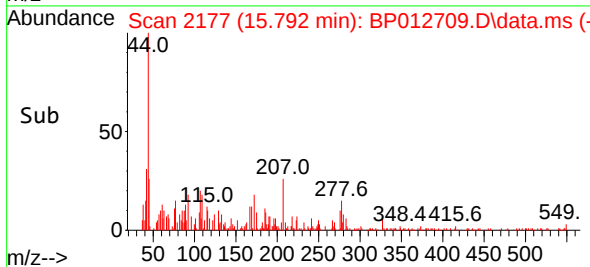
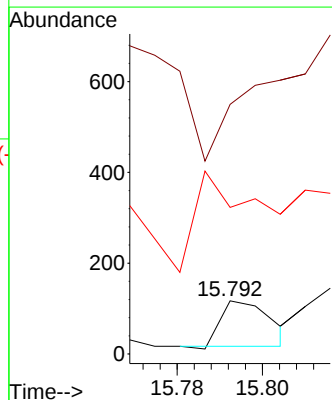
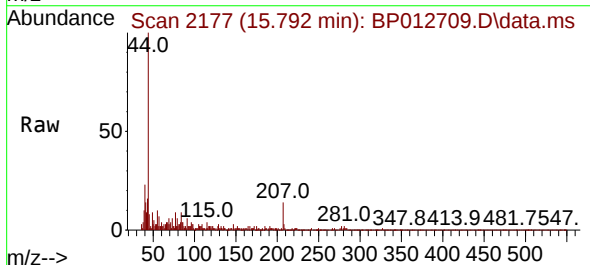
Instrument :
BNA_P
ClientSampleId :
FB111622

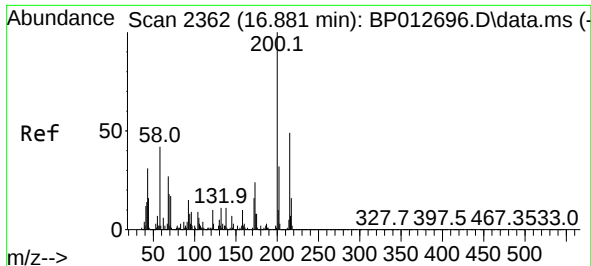
Tgt Ion:188 Resp: 1724244
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.7 7.8 11.6



#65
4,6-Dinitro-2-methylphenol
Concen: 3.695 ng
RT: 15.792 min Scan# 2177
Delta R.T. 0.006 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion:198 Resp: 80
Ion Ratio Lower Upper
198 100
51 470.1 25.7 65.7#
105 276.1 22.8 62.8#

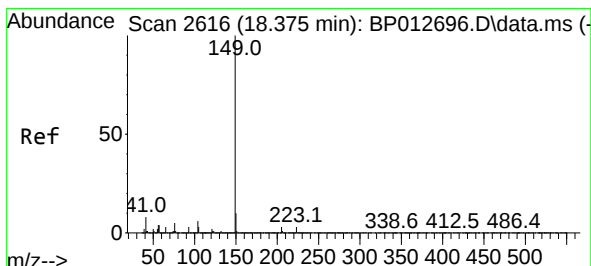
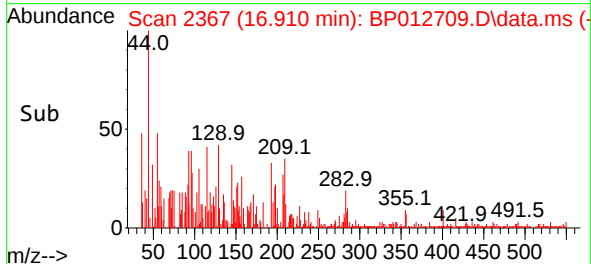
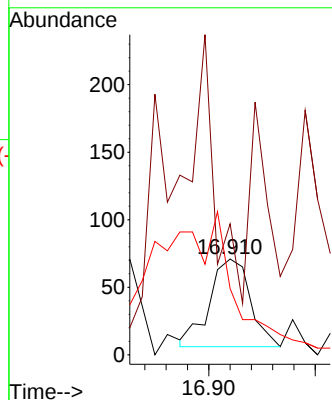
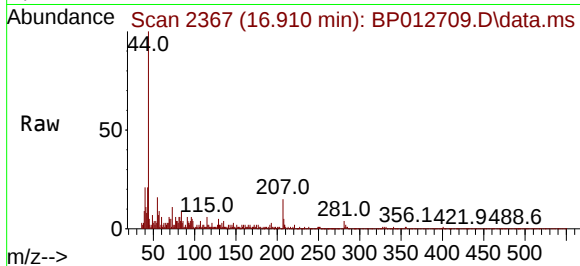




#69
 Atrazine
 Concen: 4.031 ng
 RT: 16.910 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: BP012709.D
 Acq: 23 Nov 2022 14:23

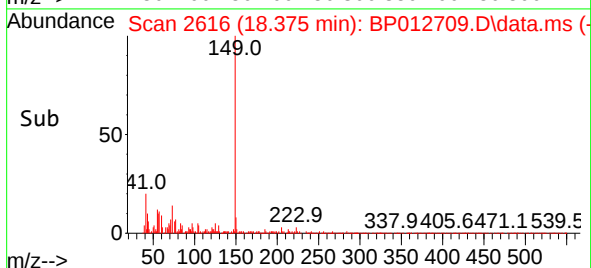
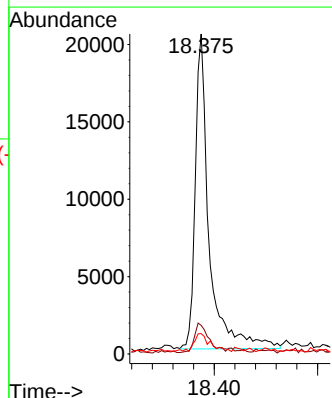
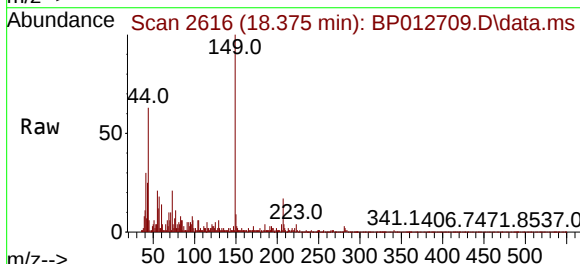
Instrument :
 BNA_P
 ClientSampleId :
 FB111622

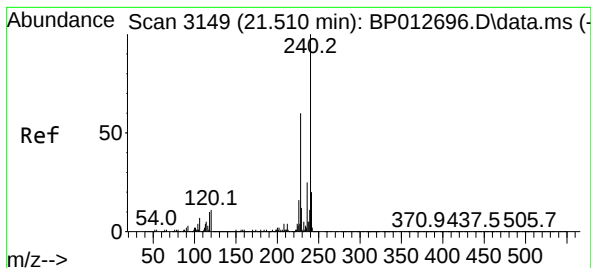
Tgt Ion:200 Resp: 86
 Ion Ratio Lower Upper
 200 100
 173 136.6 4.3 44.3#
 215 69.0 29.5 69.5



#74
 Di-n-butylphthalate
 Concen: 6.073 ng
 RT: 18.375 min Scan# 2616
 Delta R.T. -0.000 min
 Lab File: BP012709.D
 Acq: 23 Nov 2022 14:23

Tgt Ion:149 Resp: 37733
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.7 11.5
 104 6.4 4.6 6.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.510 min Scan# 3149

Delta R.T. -0.000 min

Lab File: BP012709.D

Acq: 23 Nov 2022 14:23

Instrument :

BNA_P

ClientSampleId :

FB111622

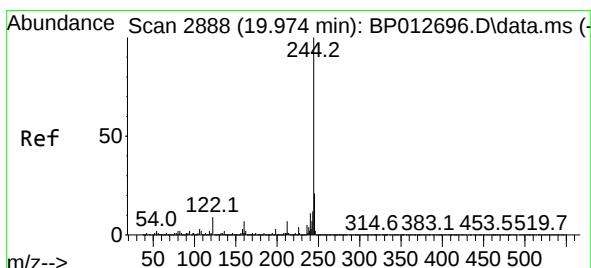
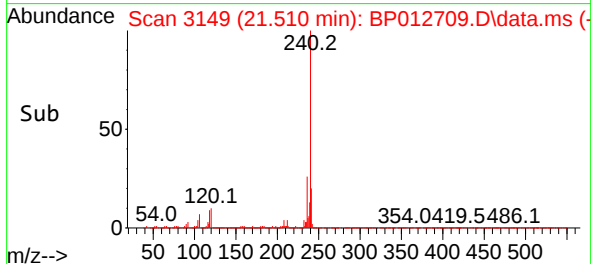
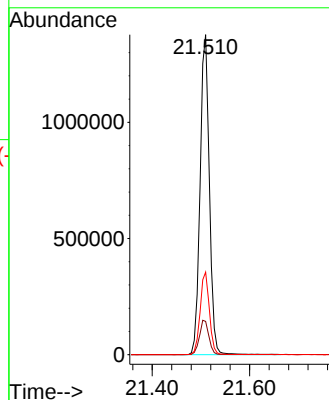
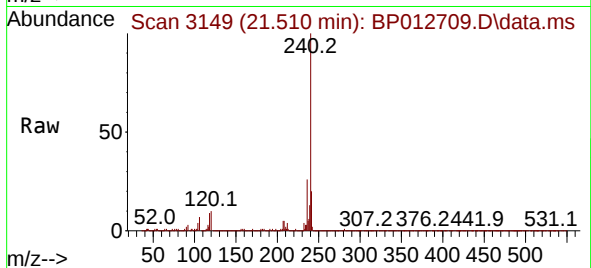
Tgt Ion:240 Resp: 1824608

Ion Ratio Lower Upper

240 100

120 10.4 8.6 12.8

236 25.8 20.4 30.6



#79

Terphenyl-d14

Concen: 89.026 ng

RT: 19.969 min Scan# 2887

Delta R.T. -0.006 min

Lab File: BP012709.D

Acq: 23 Nov 2022 14:23

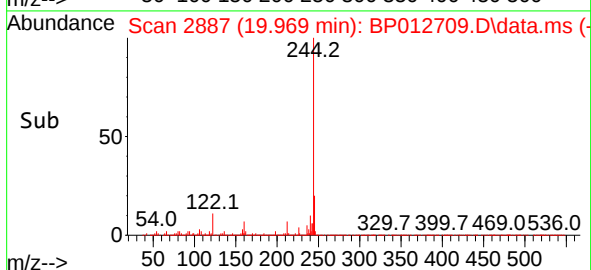
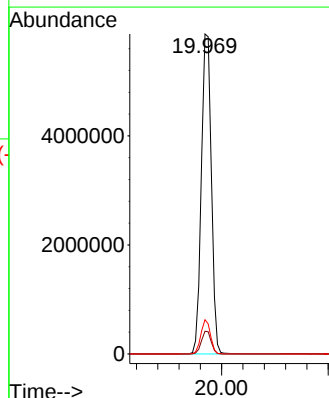
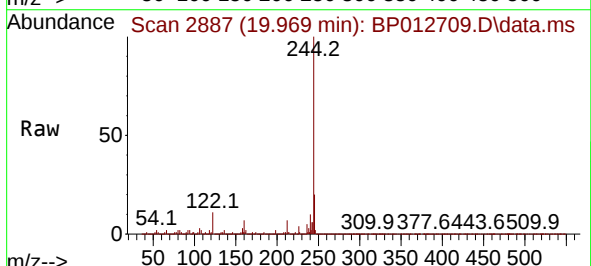
Tgt Ion:244 Resp: 7642802

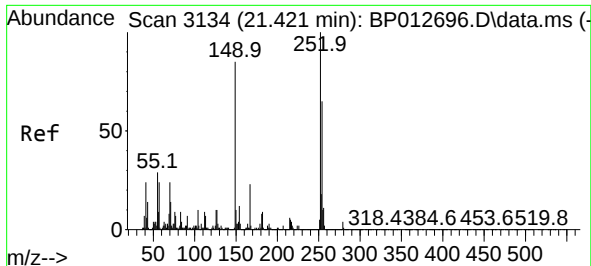
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 10.7 6.9 10.3#

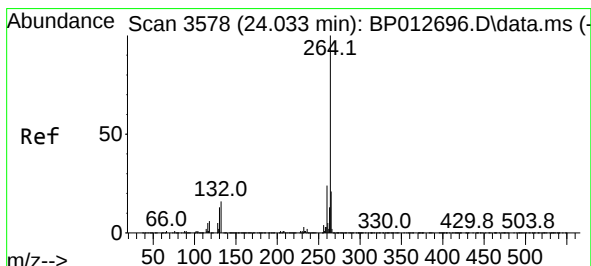
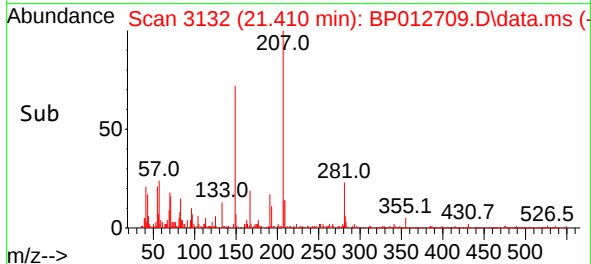
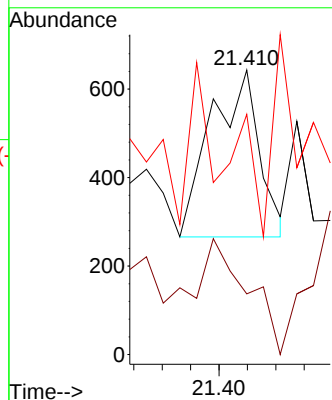
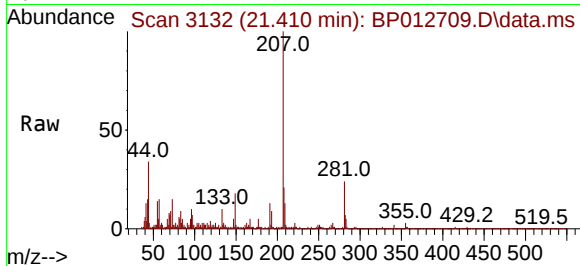




#82
3,3'-Dichlorobenzidine
Concen: 8.629 ng
RT: 21.410 min Scan# 3134
Delta R.T. -0.011 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Instrument :
BNA_P
ClientSampleId :
FB111622

Tgt Ion:252 Resp: 447
Ion Ratio Lower Upper
252 100
254 21.3 51.7 77.5#
126 84.4 7.7 11.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.033 min Scan# 3578
Delta R.T. 0.000 min
Lab File: BP012709.D
Acq: 23 Nov 2022 14:23

Tgt Ion:264 Resp: 2099867
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.4
265 21.5 17.1 25.7

