

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022823\
 Data File : BP013909.D
 Acq On : 01 Mar 2023 02:18
 Operator : CG/JU
 Sample : 01723-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HH-CON-10

Quant Time: Mar 01 03:52:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 16:57:00 2023
 Response via : Initial Calibration

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

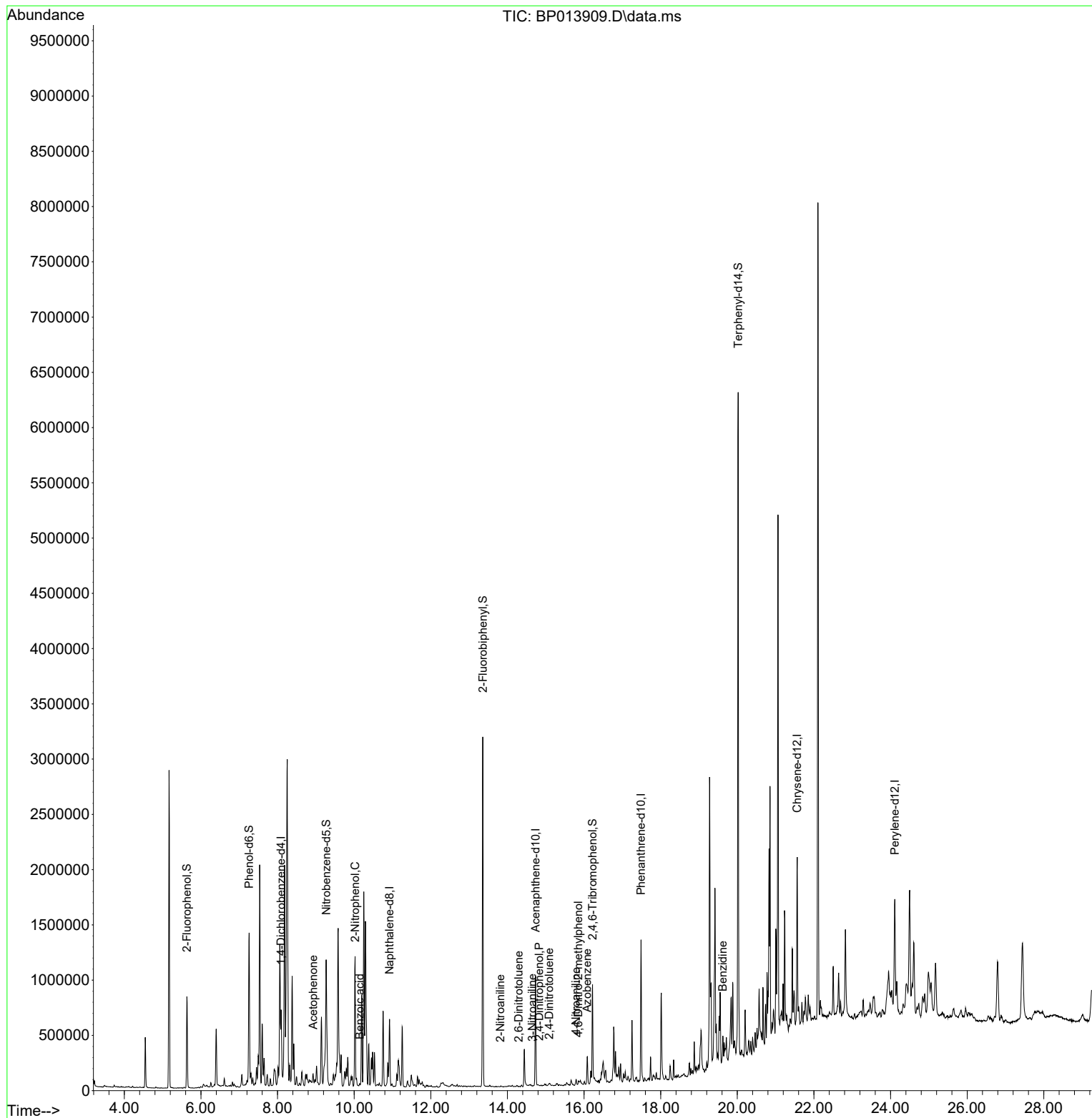
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	122694	20.000	ng	-0.01
21) Naphthalene-d8	10.922	136	476978	20.000	ng	0.00
39) Acenaphthene-d10	14.734	164	321147	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	740448	20.000	ng	0.00
76) Chrysene-d12	21.563	240	708506	20.000	ng	-0.01
86) Perylene-d12	24.110	264	830117	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	351120	47.165	ng	0.00
7) Phenol-d6	7.257	99	777852	81.584	ng	0.00
23) Nitrobenzene-d5	9.269	82	625081	70.767	ng	-0.01
42) 2,4,6-Tribromophenol	16.222	330	167085	35.741	ng	-0.01
45) 2-Fluorobiphenyl	13.357	172	1538120	62.908	ng	-0.01
79) Terphenyl-d14	20.021	244	2777253	75.418	ng	0.00
Target Compounds						Qvalue
22) Acetophenone	8.928	105	60910	5.063	ng	# 95
26) 2-Nitrophenol	10.028	139	485	2.874	ng	# 1
32) Benzoic acid	10.146	122	3738	5.671	ng	# 88
48) 2-Nitroaniline	13.816	65	310	3.281	ng	# 32
51) 2,6-Dinitrotoluene	14.292	165	86	2.002	ng	# 88
53) 3-Nitroaniline	14.645	138	92	2.023	ng	# 8
54) 2,4-Dinitrophenol	14.828	184	53	5.275	ng	# 1
57) 2,4-Dinitrotoluene	15.086	165	2412	2.580	ng	# 72
62) 4-Nitroaniline	15.786	138	143	2.569	ng	# 1
63) Azobenzene	16.081	77	65266	2.831	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.851	198	135	4.647	ng	# 1
77) Benzidine	19.622	184	16390	3.361	ng	# 1

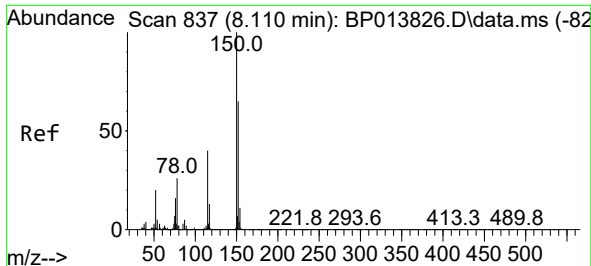
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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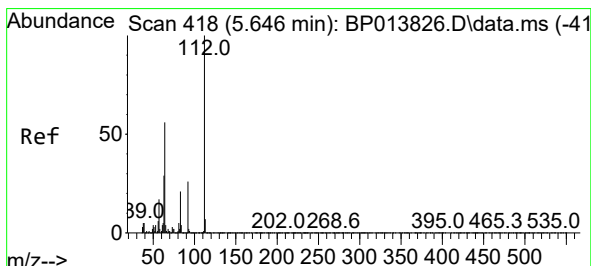
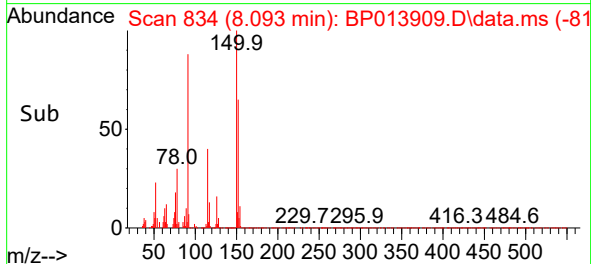
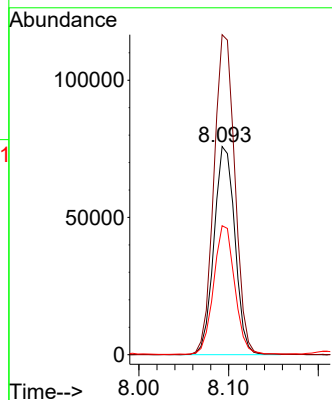
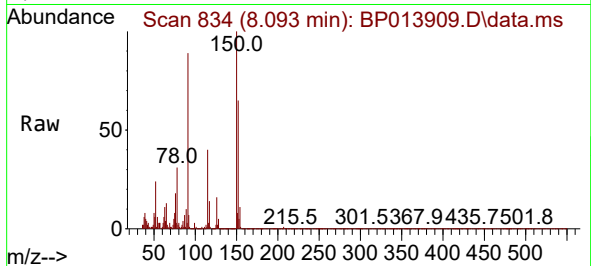




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

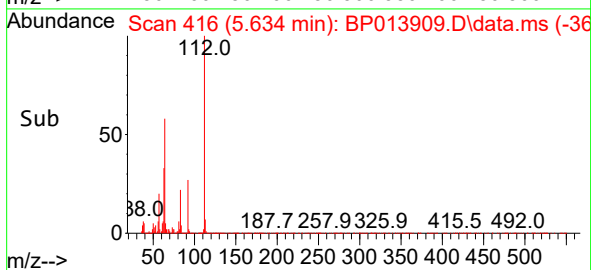
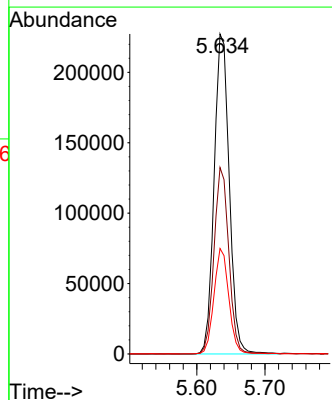
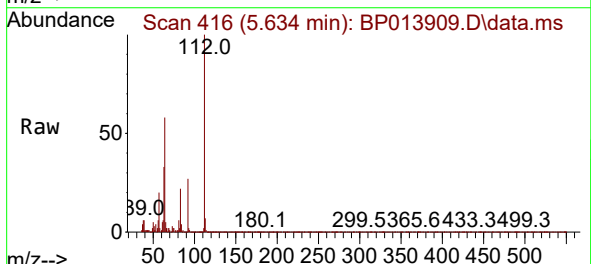
Instrument :
BNA_P
ClientSampleId :
HH-CON-10

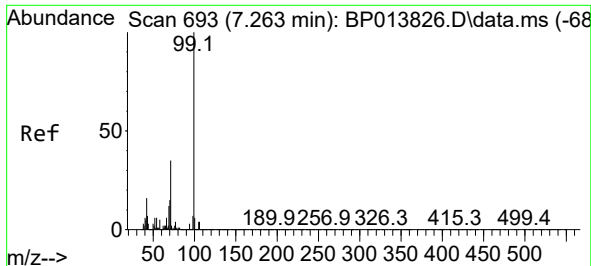
Tgt Ion:152 Resp: 122694
Ion Ratio Lower Upper
152 100
150 153.8 122.8 184.2
115 62.0 49.0 73.6



#5
2-Fluorophenol
Concen: 47.165 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.006 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

Tgt Ion:112 Resp: 351120
Ion Ratio Lower Upper
112 100
64 58.2 44.6 66.8
63 33.0 23.6 35.4

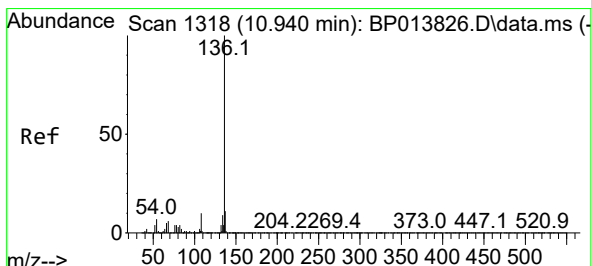
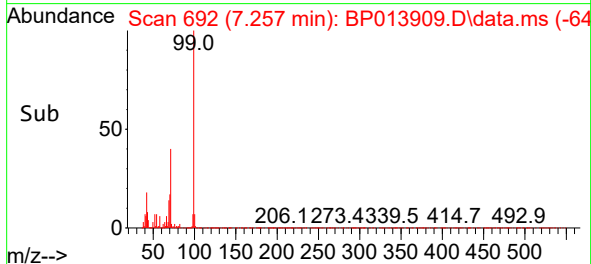
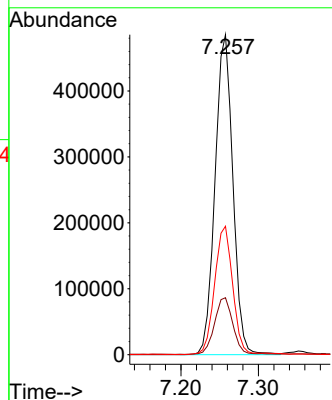
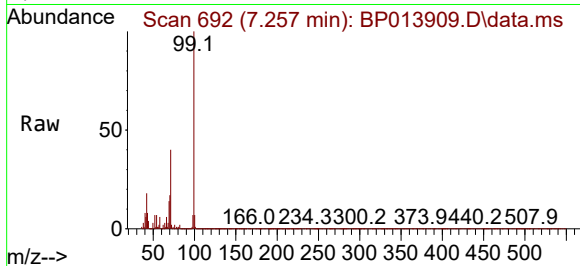




#7
Phenol-d6
Concen: 81.584 ng
RT: 7.257 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

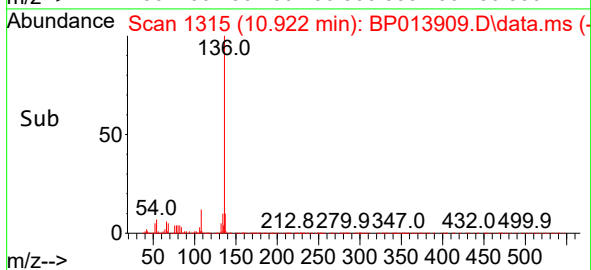
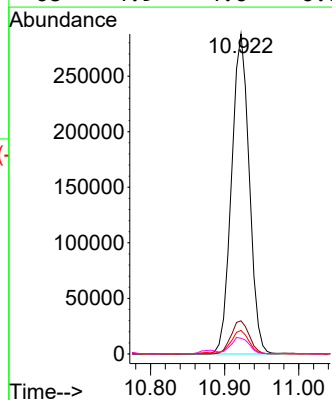
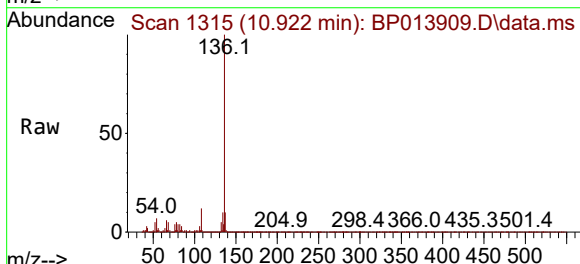
Instrument :
BNA_P
ClientSampleId :
HH-CON-10

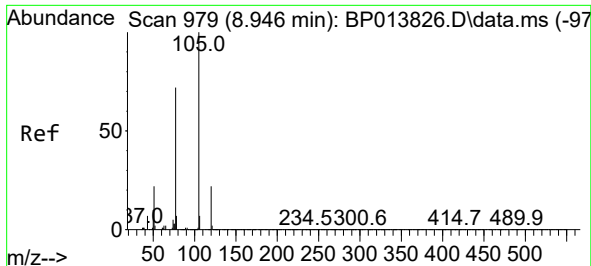
Tgt Ion: 99 Resp: 777852
Ion Ratio Lower Upper
99 100
42 17.8 12.5 18.7
71 40.1 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.922 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

Tgt Ion: 136 Resp: 476978
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 7.3 5.8 8.6
68 4.9 4.6 6.8

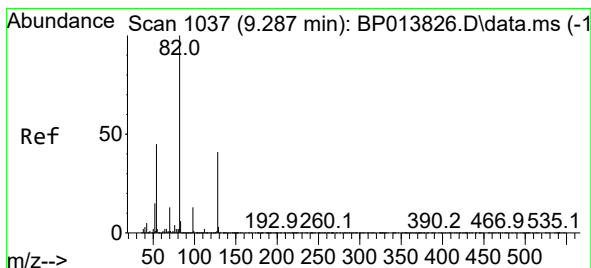
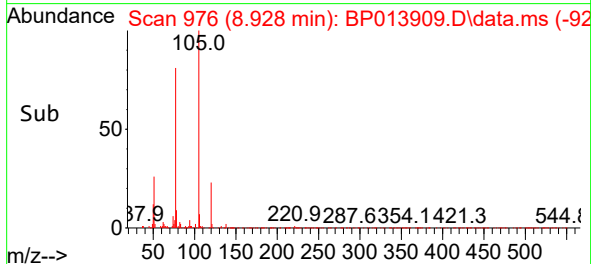
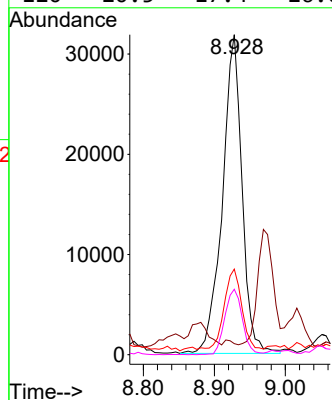
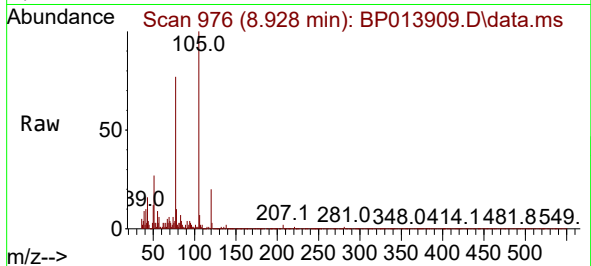




#22
Acetophenone
Concen: 5.063 ng
RT: 8.928 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

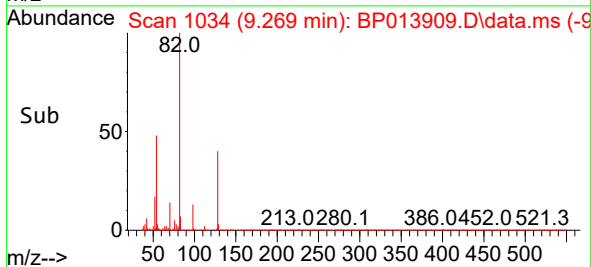
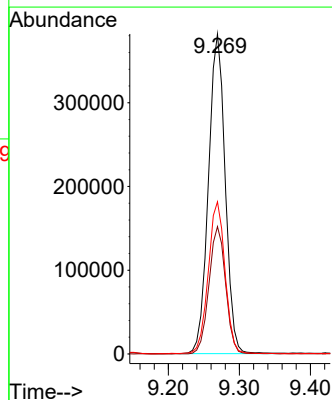
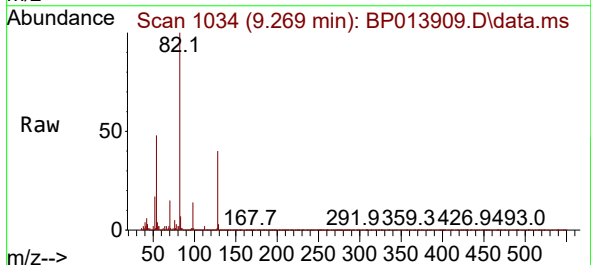
Instrument :
BNA_P
ClientSampleId :
HH-CON-10

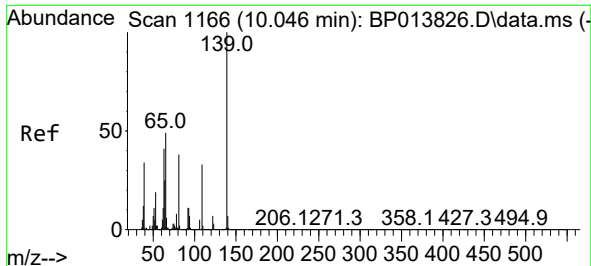
Tgt Ion:105 Resp: 60910
Ion Ratio Lower Upper
105 100
71 3.4 0.7 1.1#
51 26.8 18.9 28.3
120 20.5 17.4 26.0



#23
Nitrobenzene-d5
Concen: 70.767 ng
RT: 9.269 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

Tgt Ion: 82 Resp: 625081
Ion Ratio Lower Upper
82 100
128 39.8 32.9 49.3
54 47.5 35.6 53.4

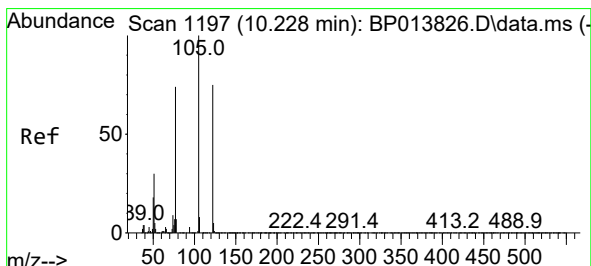
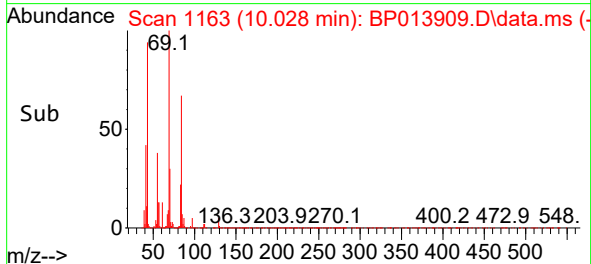
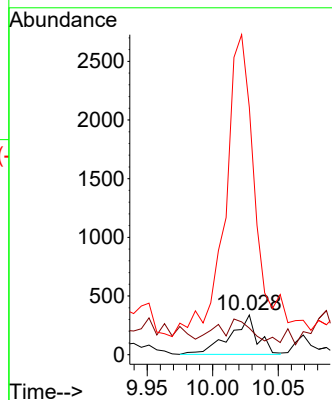
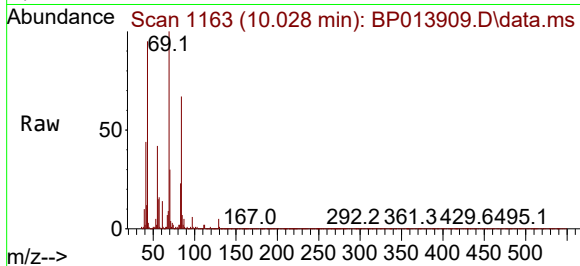




#26
2-Nitrophenol
Concen: 2.874 ng
RT: 10.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

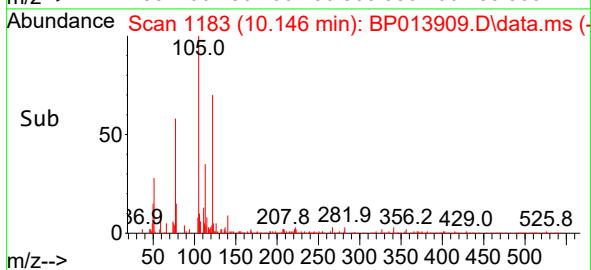
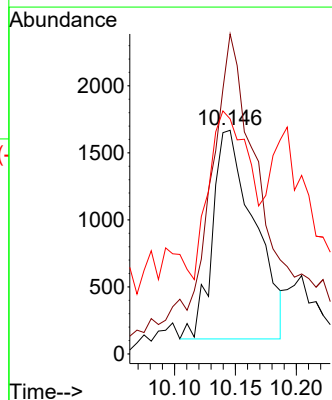
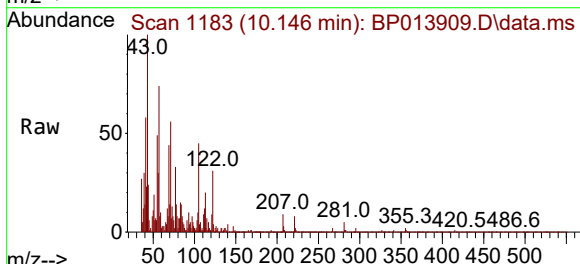
Instrument :
BNA_P
ClientSampleId :
HH-CON-10

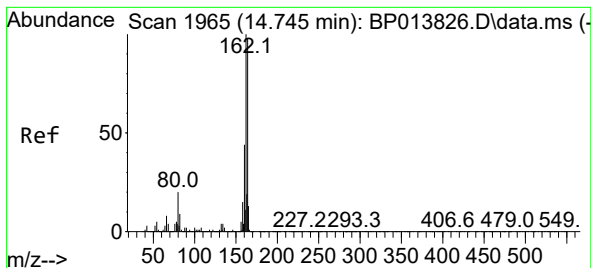
Tgt Ion:139 Resp: 485
Ion Ratio Lower Upper
139 100
109 66.9 26.7 40.1#
65 623.7 39.4 59.2#



#32
Benzoic acid
Concen: 5.671 ng
RT: 10.146 min Scan# 1183
Delta R.T. -0.071 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

Tgt Ion:122 Resp: 3738
Ion Ratio Lower Upper
122 100
105 143.1 107.4 147.4
77 105.1 76.0 116.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.734 min Scan# 1963

Delta R.T. -0.006 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

Instrument :

BNA_P

ClientSampleId :

HH-CON-10

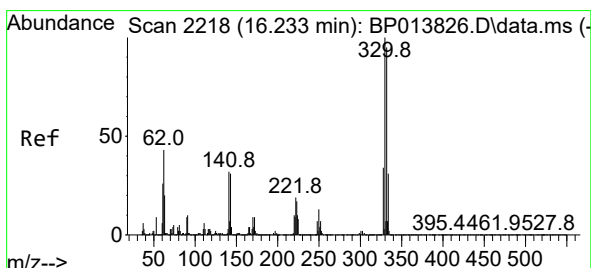
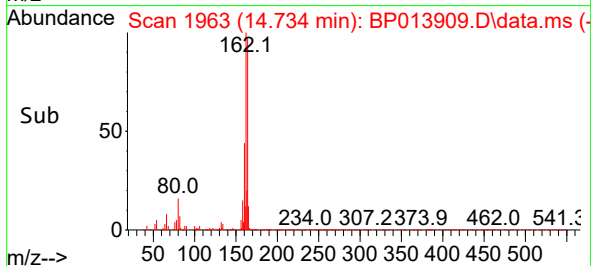
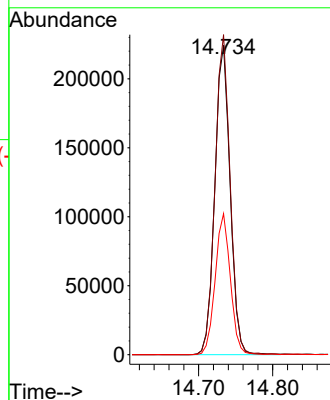
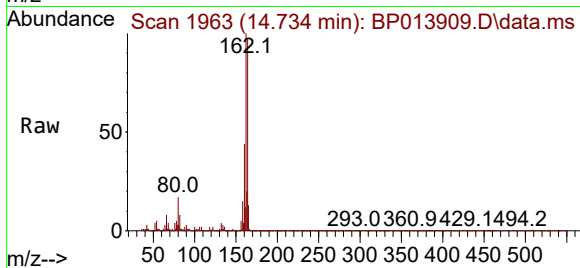
Tgt Ion:164 Resp: 321147

Ion Ratio Lower Upper

164 100

162 103.5 81.7 122.5

160 45.6 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 35.741 ng

RT: 16.222 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

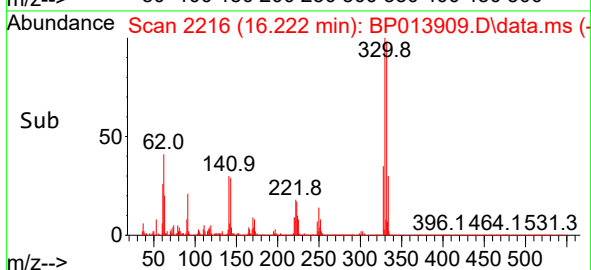
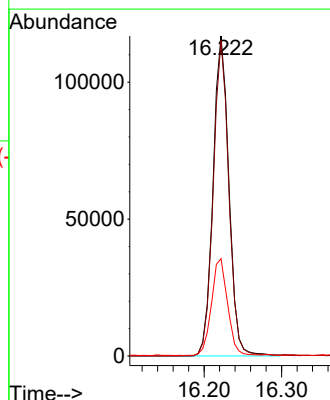
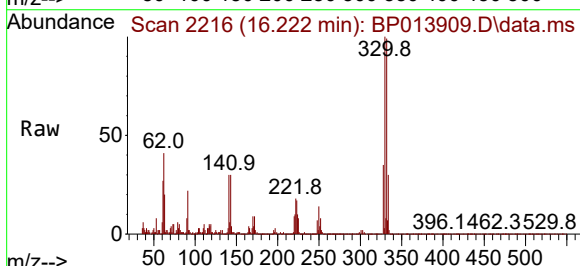
Tgt Ion:330 Resp: 167085

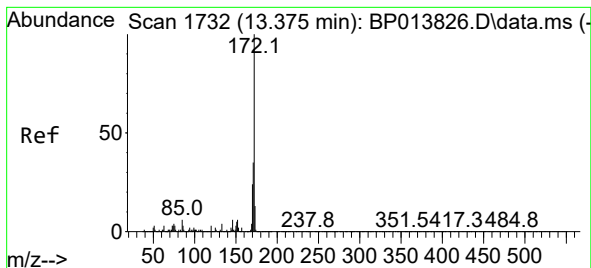
Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 30.6 25.1 37.7





#45

2-Fluorobiphenyl

Concen: 62.908 ng

RT: 13.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

Instrument :

BNA_P

ClientSampleId :

HH-CON-10

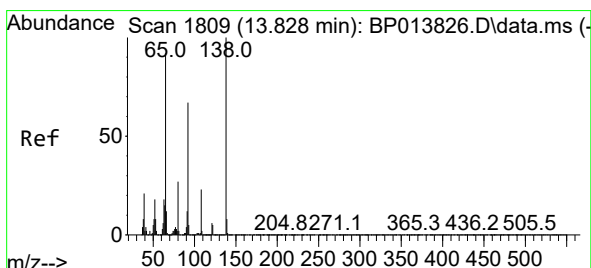
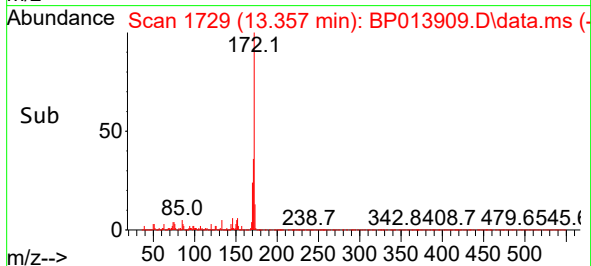
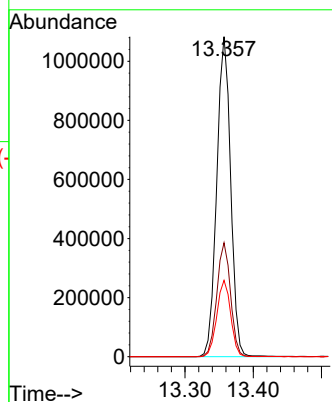
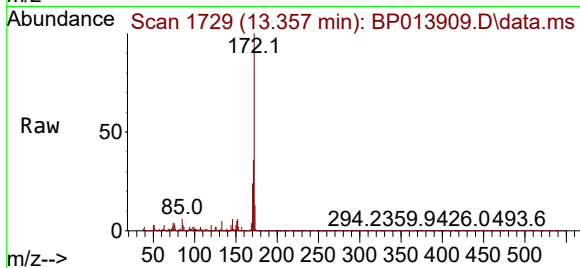
Tgt Ion:172 Resp: 1538120

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.8 19.0 28.4



#48

2-Nitroaniline

Concen: 3.281 ng

RT: 13.816 min Scan# 1807

Delta R.T. -0.006 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

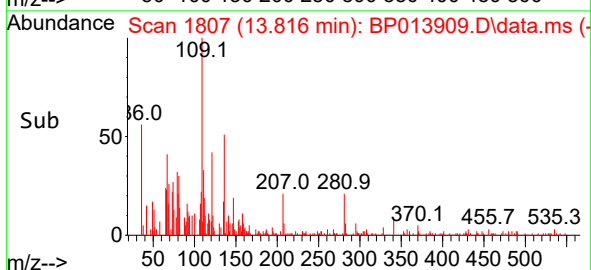
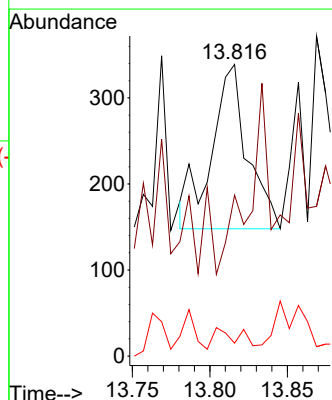
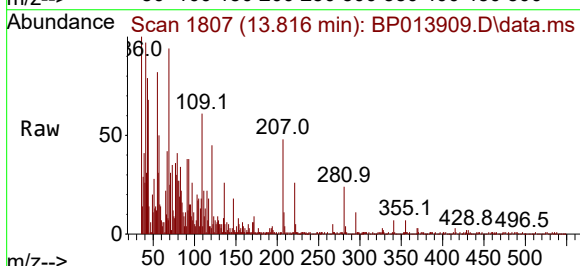
Tgt Ion: 65 Resp: 310

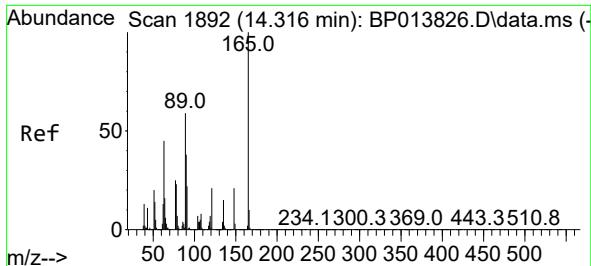
Ion Ratio Lower Upper

65 100

92 55.2 58.7 88.1#

138 4.4 87.3 130.9#

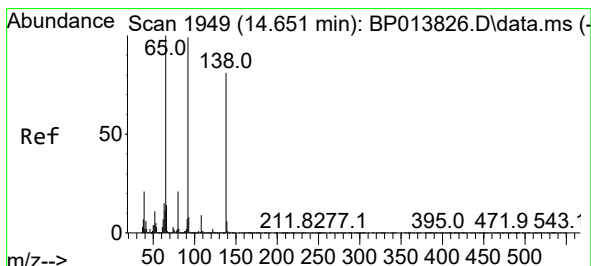
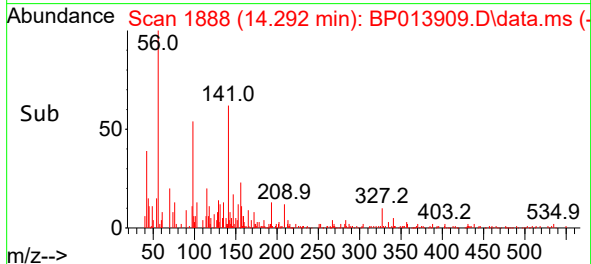
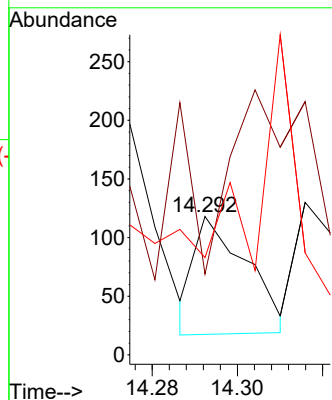
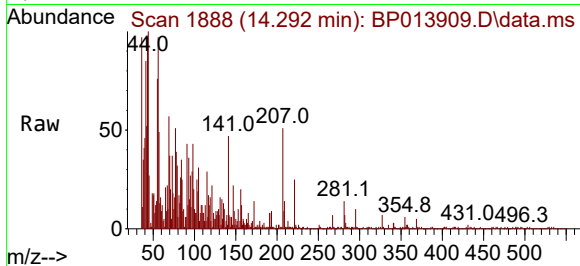




#51
2,6-Dinitrotoluene
Concen: 2.002 ng
RT: 14.292 min Scan# 11
Delta R.T. -0.024 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

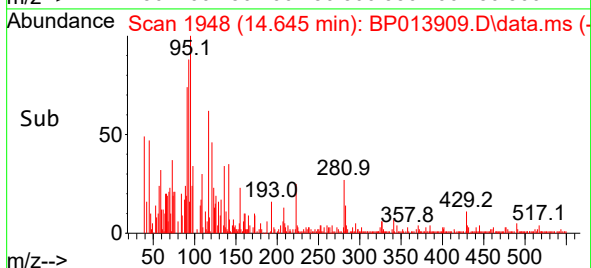
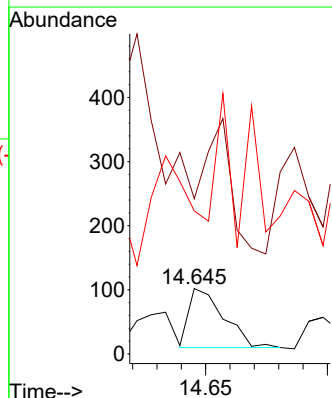
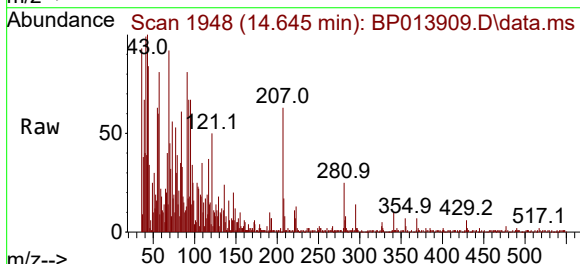
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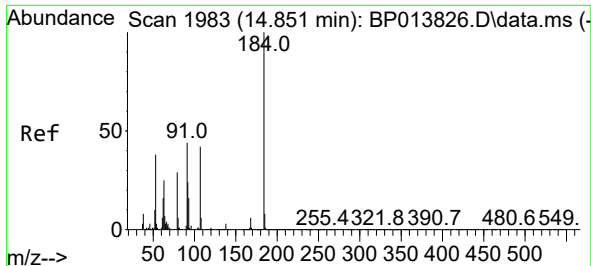
Tgt Ion:165 Resp: 86
Ion Ratio Lower Upper
165 100
63 58.5 42.6 63.8
89 70.3 47.1 70.7



#53
3-Nitroaniline
Concen: 2.023 ng
RT: 14.645 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

Tgt Ion:138 Resp: 92
Ion Ratio Lower Upper
138 100
108 198.4 9.0 13.4#
92 182.8 97.1 145.7#

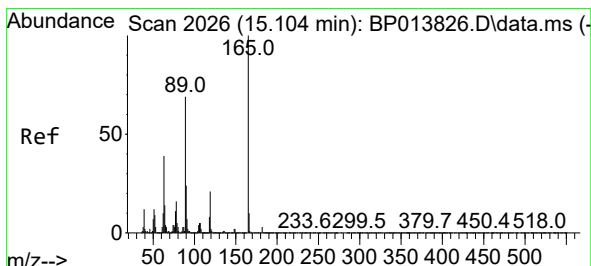
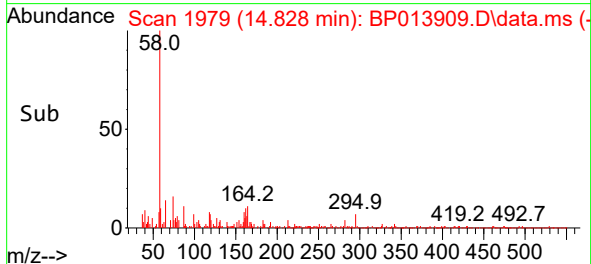
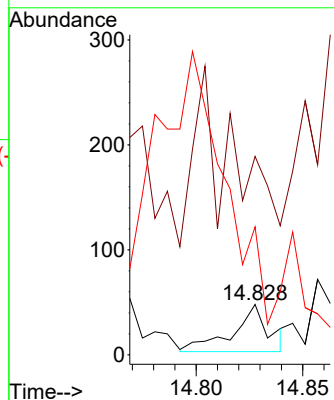
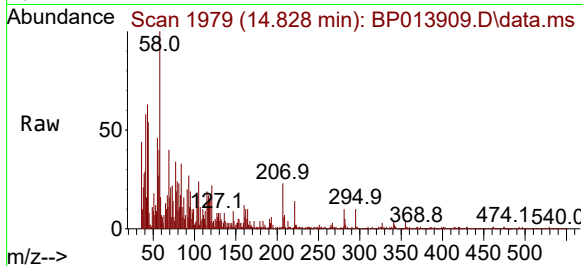




#54
2,4-Dinitrophenol
Concen: 5.275 ng
RT: 14.828 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

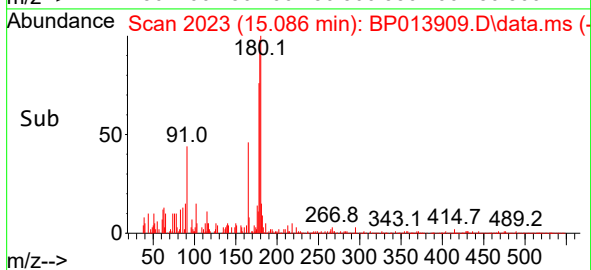
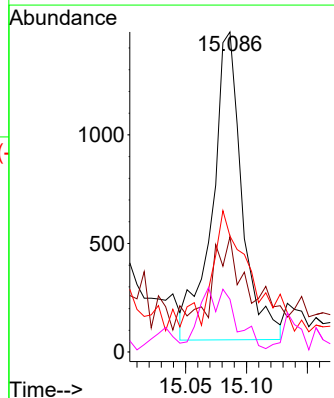
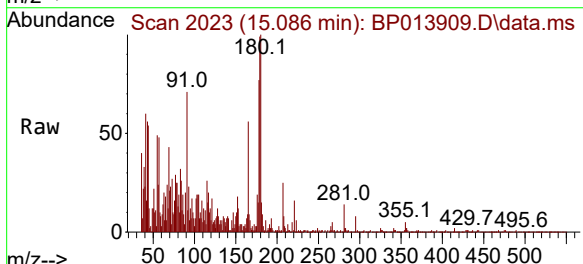
Instrument :
BNA_P
ClientSampleId :
HH-CON-10

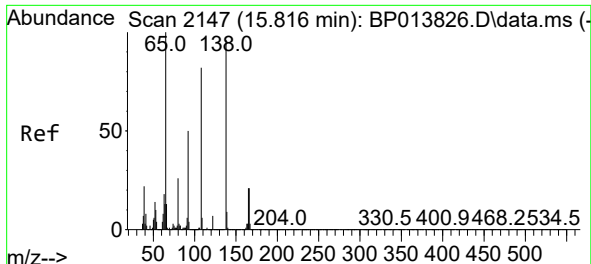
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 393.8 47.0 70.4#
154 254.2 51.5 77.3#



#57
2,4-Dinitrotoluene
Concen: 2.580 ng
RT: 15.086 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

Tgt Ion:165 Resp: 2412
Ion Ratio Lower Upper
165 100
63 36.0 31.1 46.7
89 36.2 54.9 82.3#
182 16.5 2.5 3.7#

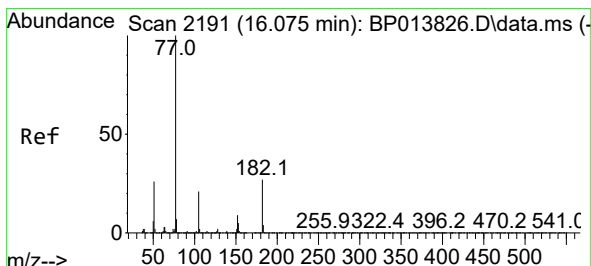
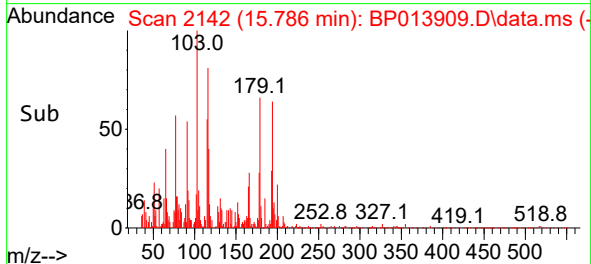
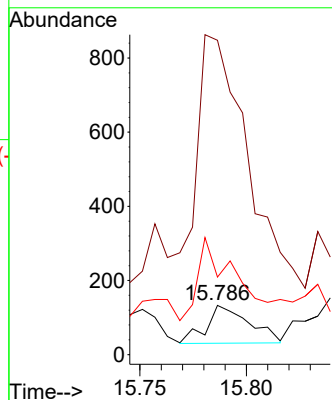
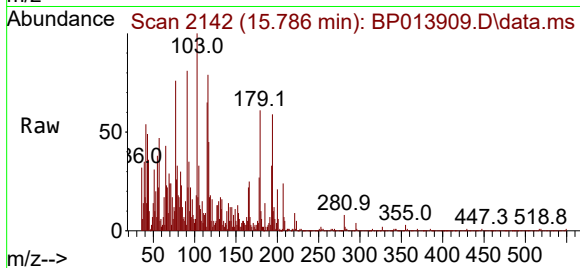




#62
4-Nitroaniline
Concen: 2.569 ng
RT: 15.786 min Scan# 2147
Delta R.T. -0.024 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

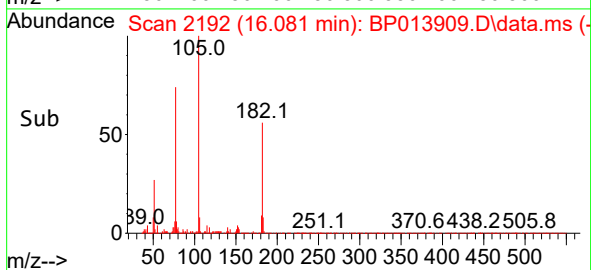
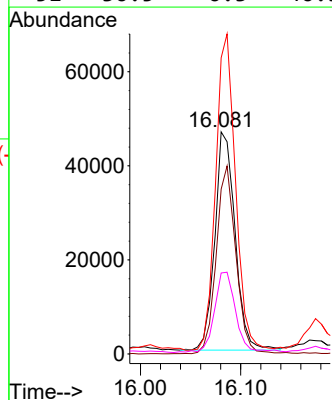
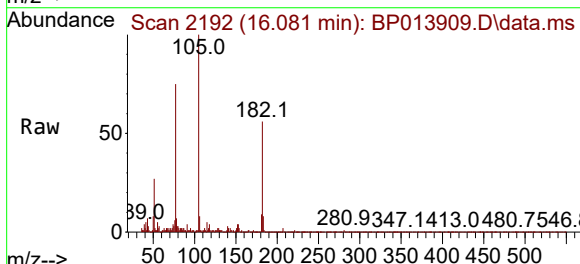
Instrument :
BNA_P
ClientSampleId :
HH-CON-10

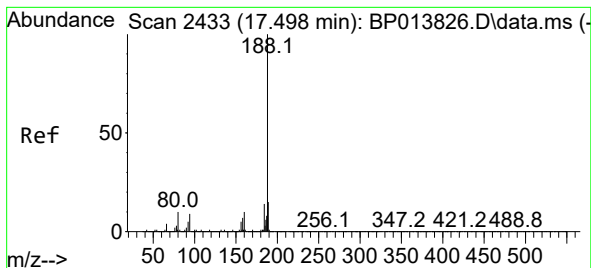
Tgt Ion:138 Resp: 143
Ion Ratio Lower Upper
138 100
92 637.6 32.0 72.0#
108 157.1 65.6 105.6#



#63
Azobenzene
Concen: 2.831 ng
RT: 16.081 min Scan# 2192
Delta R.T. 0.012 min
Lab File: BP013909.D
Acq: 01 Mar 2023 02:18

Tgt Ion: 77 Resp: 65266
Ion Ratio Lower Upper
77 100
182 74.2 6.9 46.9#
105 133.4 1.1 41.1#
51 36.5 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.486 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

Instrument :

BNA_P

ClientSampleId :

HH-CON-10

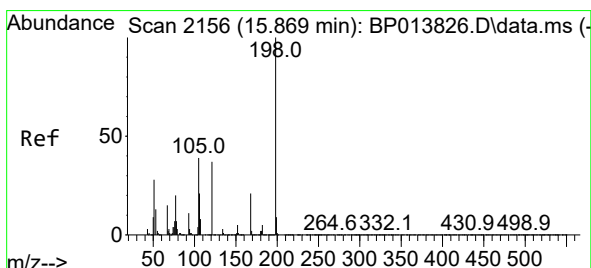
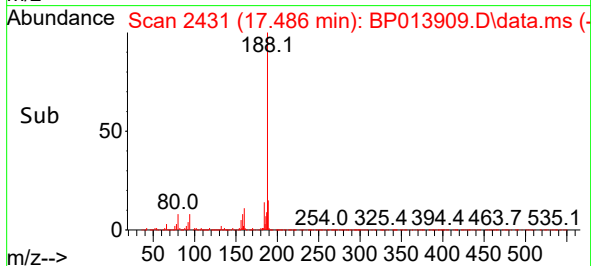
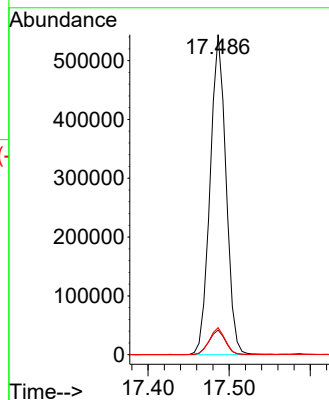
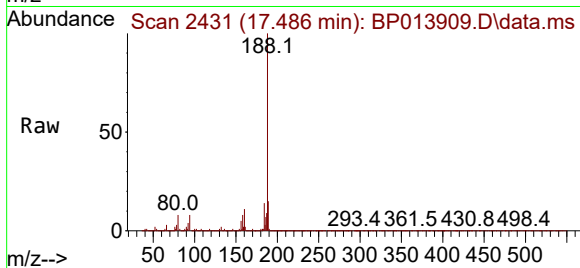
Tgt Ion:188 Resp: 740448

Ion Ratio Lower Upper

188 100

94 7.7 7.0 10.6

80 8.4 7.8 11.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.647 ng

RT: 15.851 min Scan# 2153

Delta R.T. -0.012 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

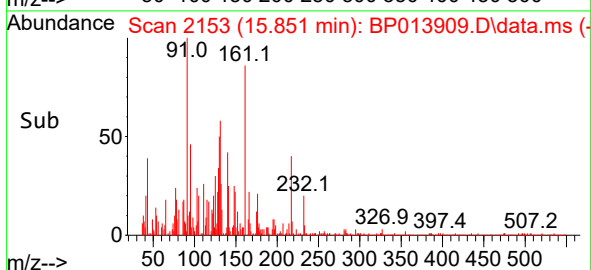
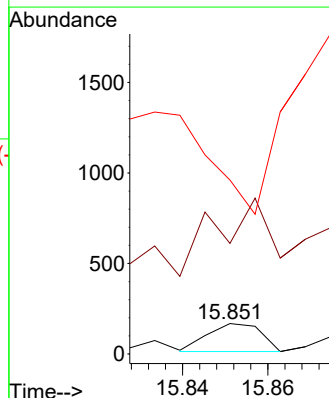
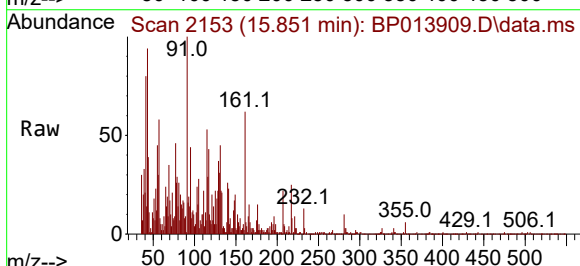
Tgt Ion:198 Resp: 135

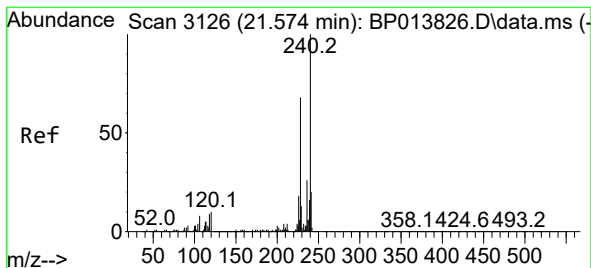
Ion Ratio Lower Upper

198 100

51 363.7 14.3 54.3#

105 572.0 20.5 60.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.563 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

Instrument :

BNA_P

ClientSampleId :

HH-CON-10

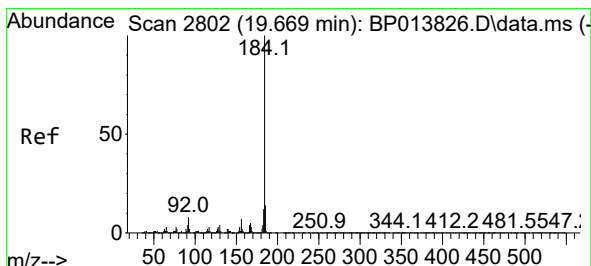
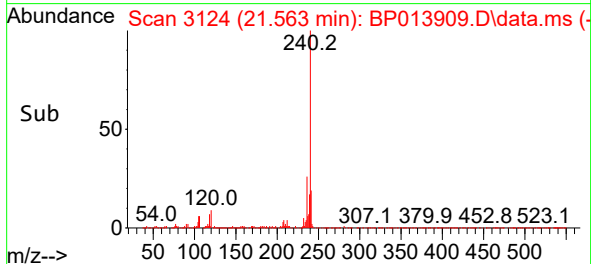
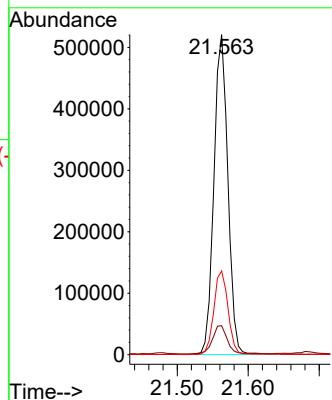
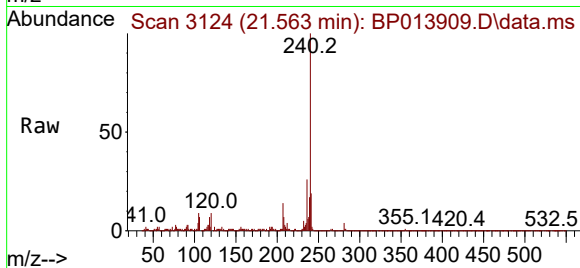
Tgt Ion:240 Resp: 708506

Ion Ratio Lower Upper

240 100

120 9.1 7.9 11.9

236 26.2 20.9 31.3



#77

Benzidine

Concen: 3.361 ng

RT: 19.622 min Scan# 2794

Delta R.T. -0.041 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

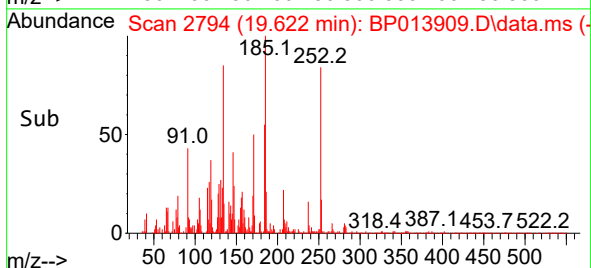
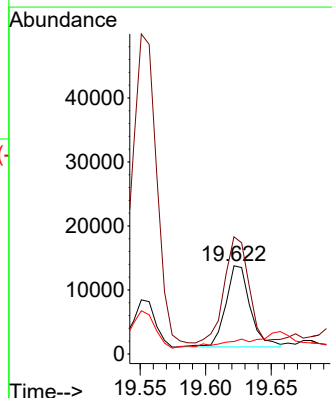
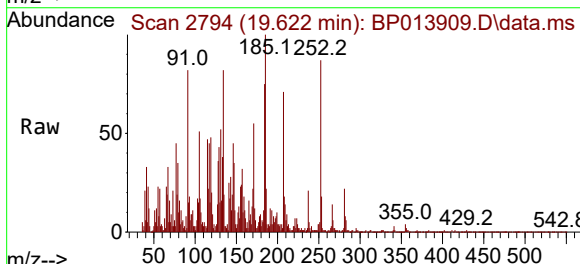
Tgt Ion:184 Resp: 16390

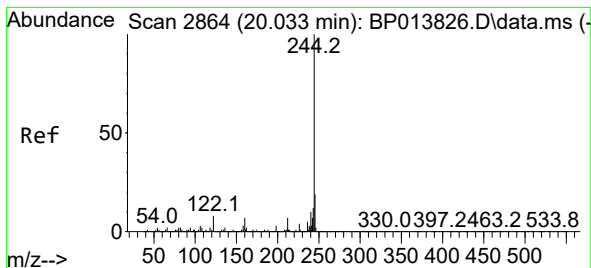
Ion Ratio Lower Upper

184 100

185 132.9 11.4 17.0#

183 14.1 9.6 14.4





#79

Terphenyl-d14

Concen: 75.418 ng

RT: 20.021 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

Instrument :

BNA_P

ClientSampleId :

HH-CON-10

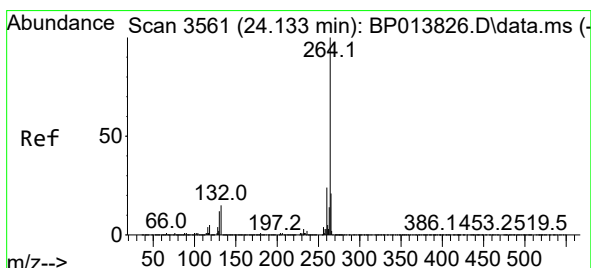
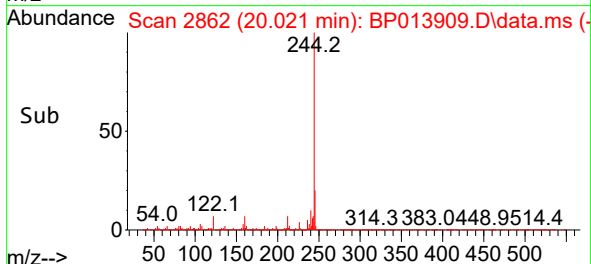
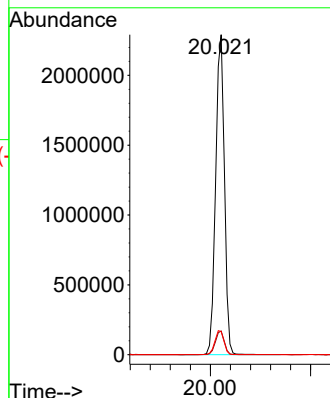
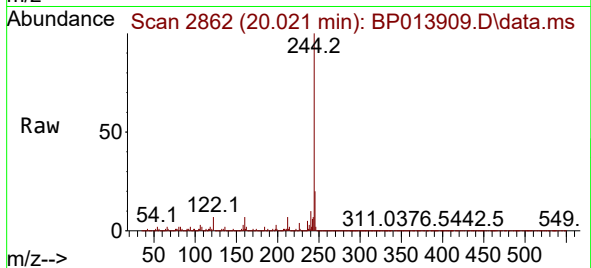
Tgt Ion:244 Resp: 2777253

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 7.2 6.7 10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.110 min Scan# 3557

Delta R.T. -0.012 min

Lab File: BP013909.D

Acq: 01 Mar 2023 02:18

Tgt Ion:264 Resp: 830117

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 21.2 17.6 26.4

