

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022823\
 Data File : BP013908.D
 Acq On : 01 Mar 2023 01:44
 Operator : CG/JU
 Sample : 01723-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HH-CON-9

Quant Time: Mar 01 03:52:11 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)

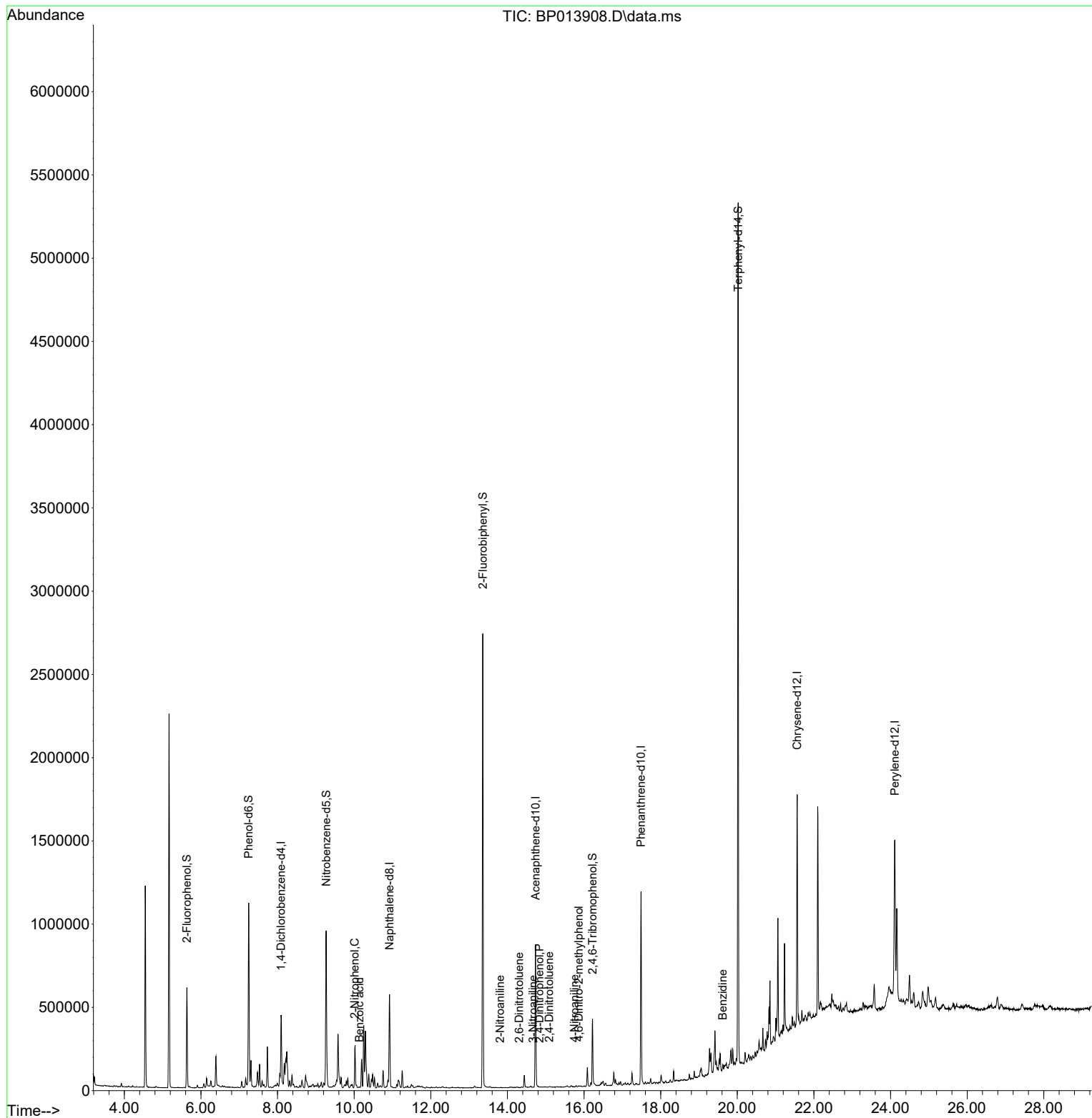
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	115626	20.000	ng	-0.01
21) Naphthalene-d8	10.922	136	442626	20.000	ng	0.00
39) Acenaphthene-d10	14.733	164	288594	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	680103	20.000	ng	0.00
76) Chrysene-d12	21.562	240	692346	20.000	ng	#-0.01
86) Perylene-d12	24.109	264	799426	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	243510	34.709	ng	0.00
7) Phenol-d6	7.246	99	609730	67.860	ng	0.00
23) Nitrobenzene-d5	9.269	82	546905	66.722	ng	-0.01
42) 2,4,6-Tribromophenol	16.222	330	81156	19.318	ng	-0.01
45) 2-Fluorobiphenyl	13.357	172	1337427	60.870	ng	-0.01
79) Terphenyl-d14	20.021	244	2517916	69.972	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.010	139	130	2.799	ng	# 1
32) Benzoic acid	10.134	122	272	5.122	ng	90
48) 2-Nitroaniline	13.804	65	83	3.245	ng	# 9
51) 2,6-Dinitrotoluene	14.304	165	76	2.002	ng	# 64
53) 3-Nitroaniline	14.669	138	50	2.017	ng	# 71
54) 2,4-Dinitrophenol	14.833	184	50	5.276	ng	# 28
57) 2,4-Dinitrotoluene	15.086	165	425	2.339	ng	# 72
62) 4-Nitroaniline	15.751	138	40	2.554	ng	85
65) 4,6-Dinitro-2-methylph...	15.863	198	29	4.629	ng	# 1
77) Benzidine	19.621	184	2917	2.479	ng	# 1

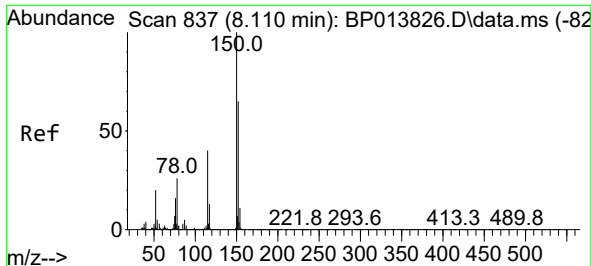
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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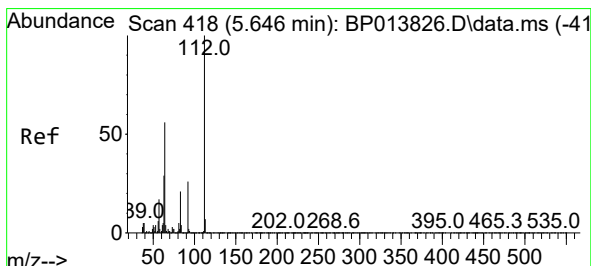
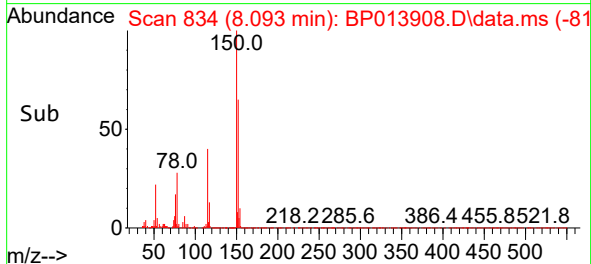
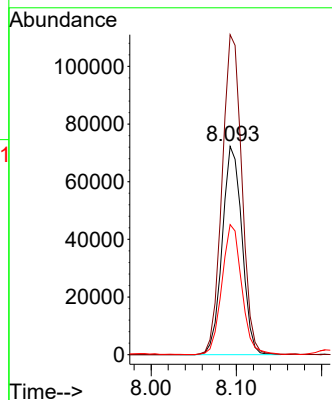
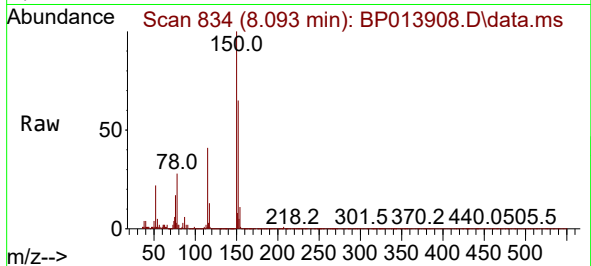




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

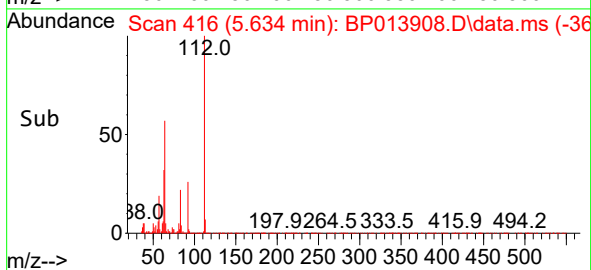
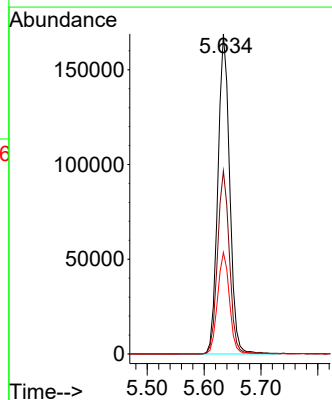
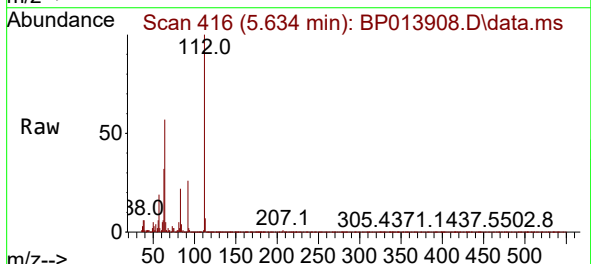
Instrument :
BNA_P
ClientSampleId :
HH-CON-9

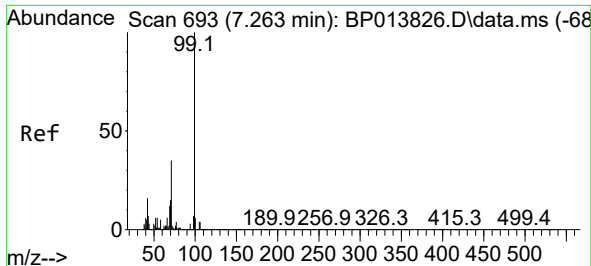
Tgt Ion:152 Resp: 115626
Ion Ratio Lower Upper
152 100
150 153.6 122.8 184.2
115 62.5 49.0 73.6



#5
2-Fluorophenol
Concen: 34.709 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.006 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

Tgt Ion:112 Resp: 243510
Ion Ratio Lower Upper
112 100
64 57.2 44.6 66.8
63 31.7 23.6 35.4

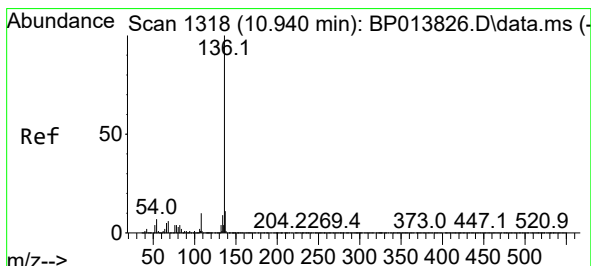
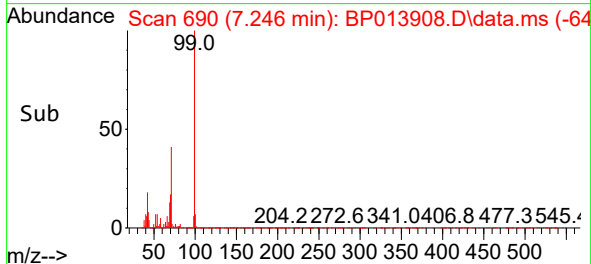
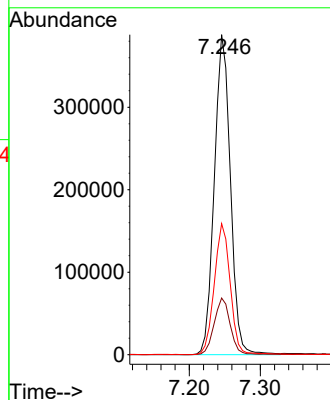
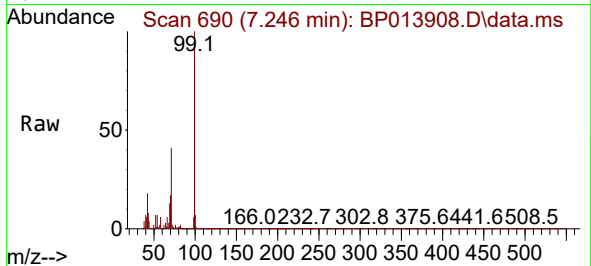




#7
Phenol-d6
Concen: 67.860 ng
RT: 7.246 min Scan# 609
Delta R.T. -0.006 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

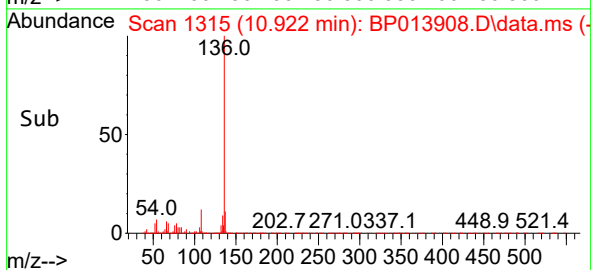
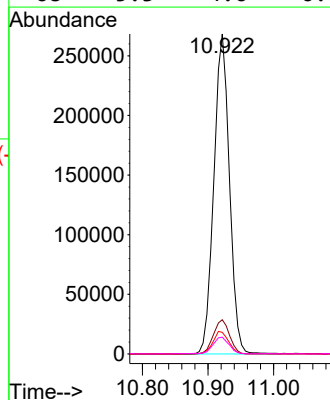
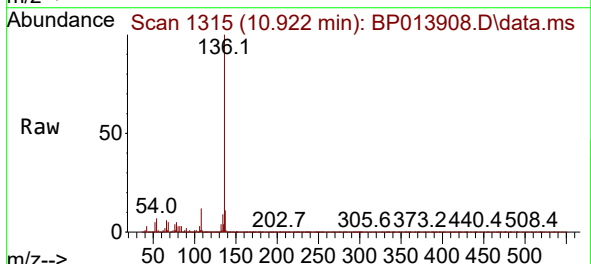
Instrument :
BNA_P
ClientSampleId :
HH-CON-9

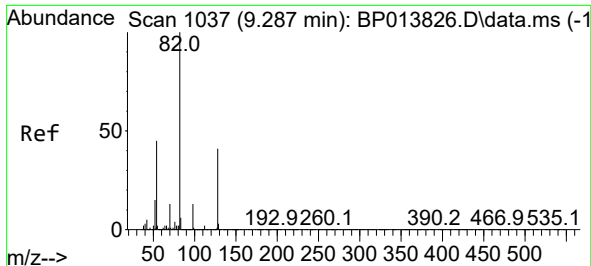
Tgt Ion: 99 Resp: 609730
Ion Ratio Lower Upper
99 100
42 17.7 12.5 18.7
71 41.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.922 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

Tgt Ion: 136 Resp: 442626
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 6.8 5.8 8.6
68 5.3 4.6 6.8

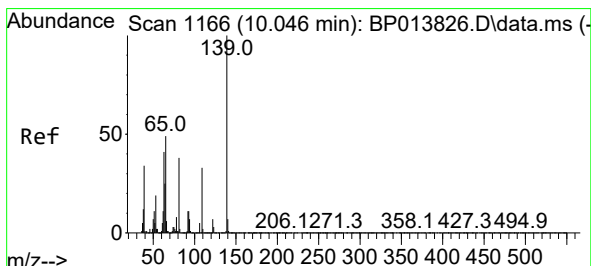
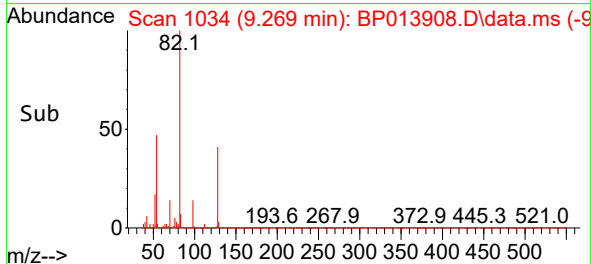
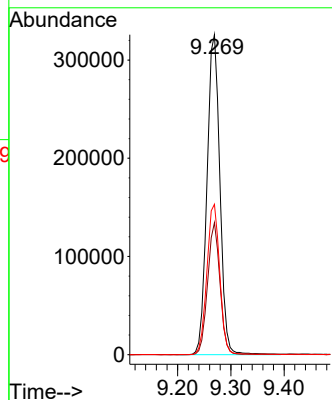
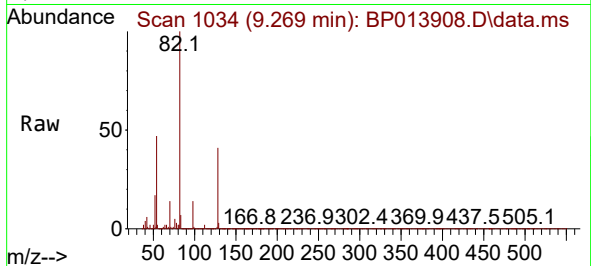




#23
Nitrobenzene-d5
Concen: 66.722 ng
RT: 9.269 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

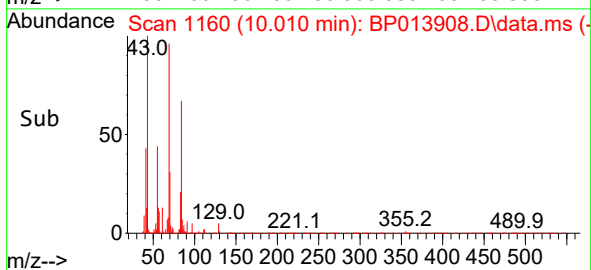
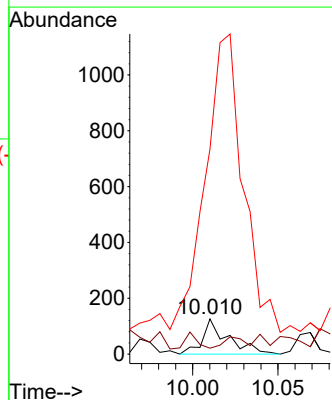
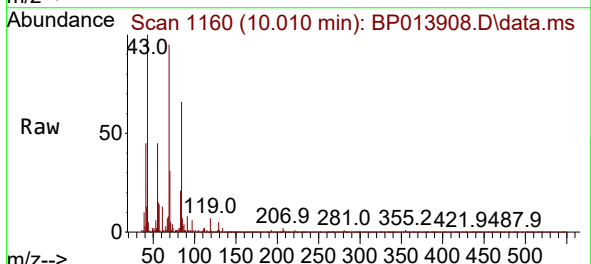
Instrument :
BNA_P
ClientSampleId :
HH-CON-9

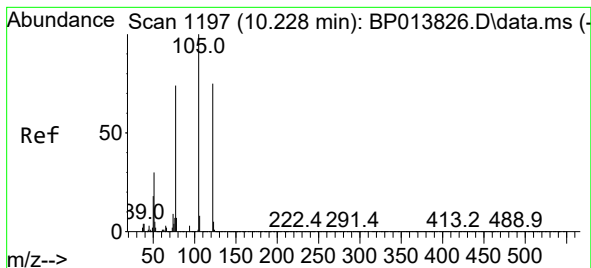
Tgt Ion: 82 Resp: 546905
Ion Ratio Lower Upper
82 100
128 41.3 32.9 49.3
54 47.0 35.6 53.4



#26
2-Nitrophenol
Concen: 2.799 ng
RT: 10.010 min Scan# 1160
Delta R.T. -0.024 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

Tgt Ion:139 Resp: 130
Ion Ratio Lower Upper
139 100
109 16.7 26.7 40.1#
65 582.5 39.4 59.2#





#32

Benzoic acid

Concen: 5.122 ng

RT: 10.134 min Scan# 1181

Delta R.T. -0.082 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

Instrument :

BNA_P

ClientSampleId :

HH-CON-9

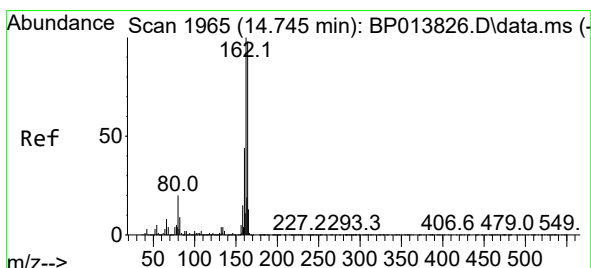
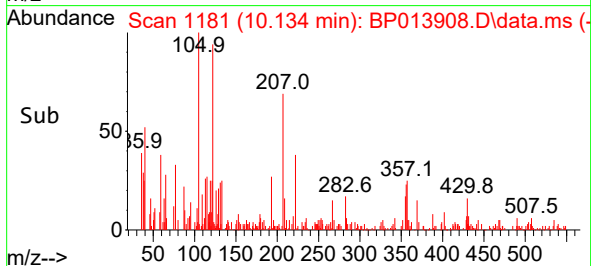
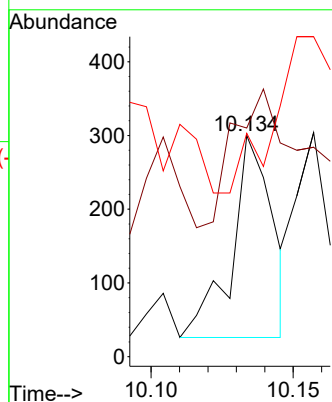
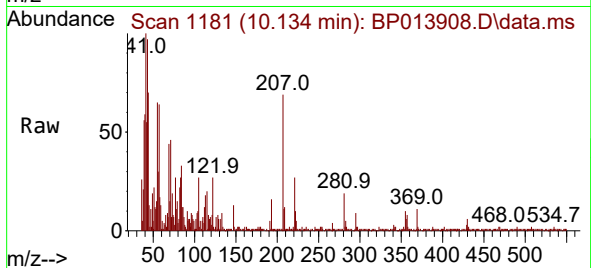
Tgt Ion:122 Resp: 272

Ion Ratio Lower Upper

122 100

105 111.7 107.4 147.4

77 101.0 76.0 116.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.733 min Scan# 1963

Delta R.T. -0.006 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

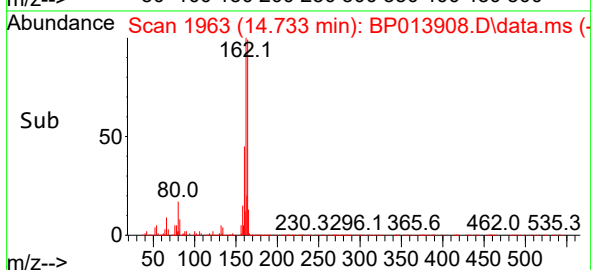
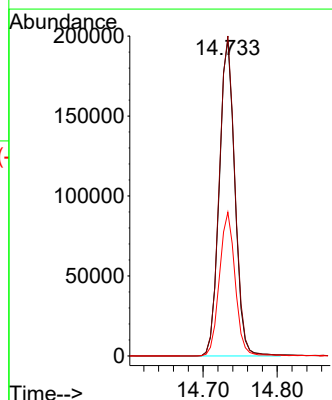
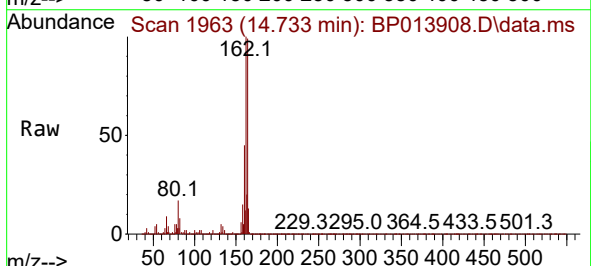
Tgt Ion:164 Resp: 288594

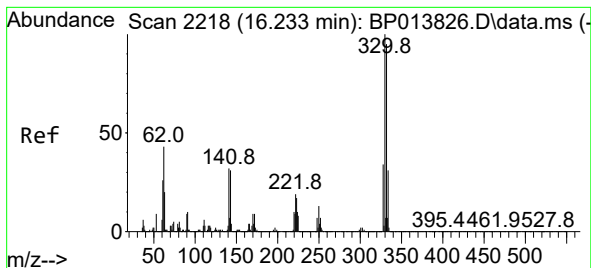
Ion Ratio Lower Upper

164 100

162 101.2 81.7 122.5

160 45.4 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 19.318 ng

RT: 16.222 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

Instrument :

BNA_P

ClientSampleId :

HH-CON-9

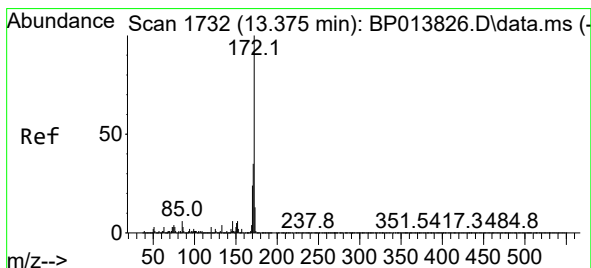
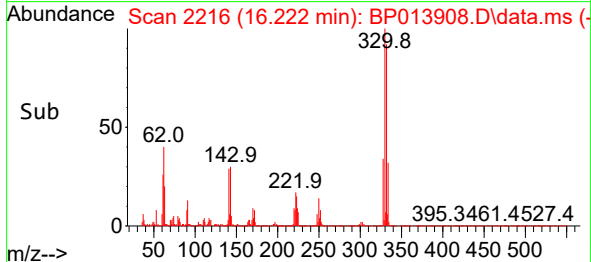
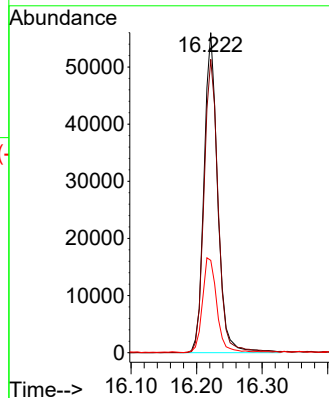
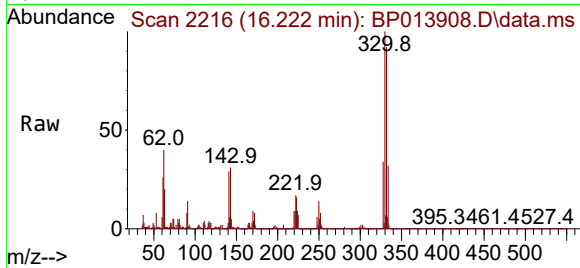
Tgt Ion:330 Resp: 81156

Ion Ratio Lower Upper

330 100

332 95.2 76.7 115.1

141 31.3 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 60.870 ng

RT: 13.357 min Scan# 1729

Delta R.T. -0.012 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

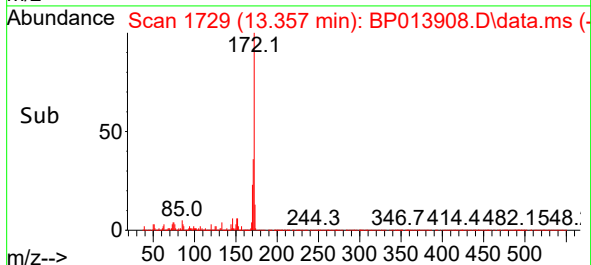
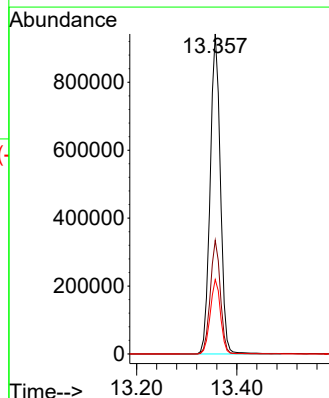
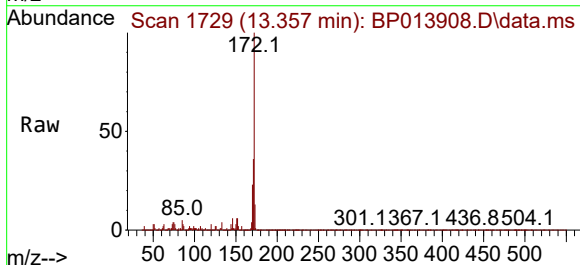
Tgt Ion:172 Resp: 1337427

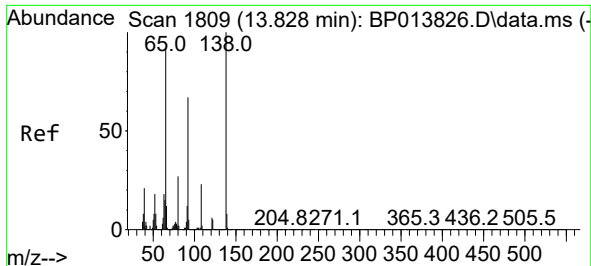
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.3 19.0 28.4

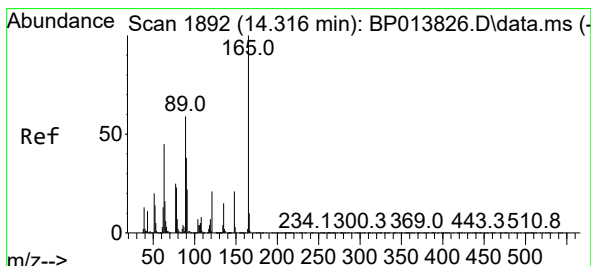
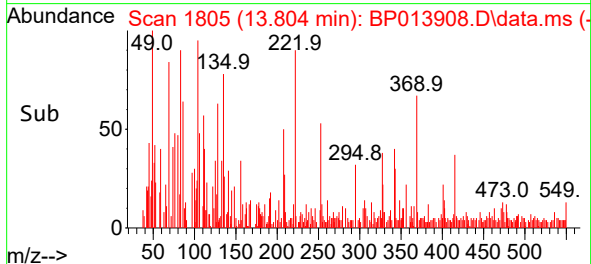
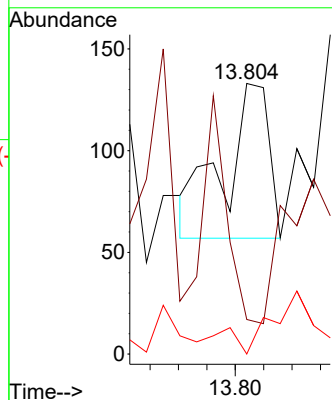
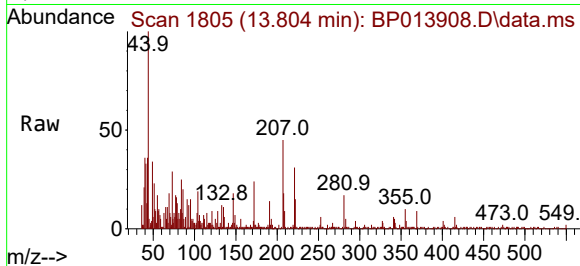




#48
2-Nitroaniline
Concen: 3.245 ng
RT: 13.804 min Scan# 1805
Delta R.T. -0.018 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

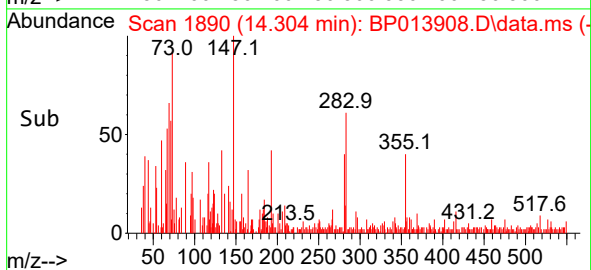
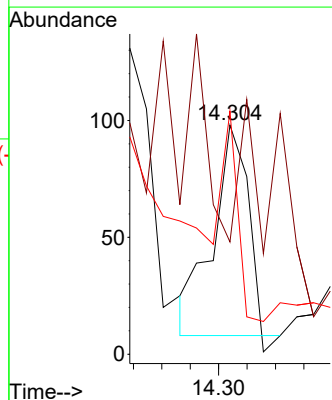
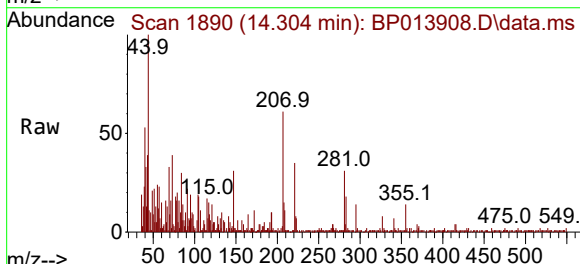
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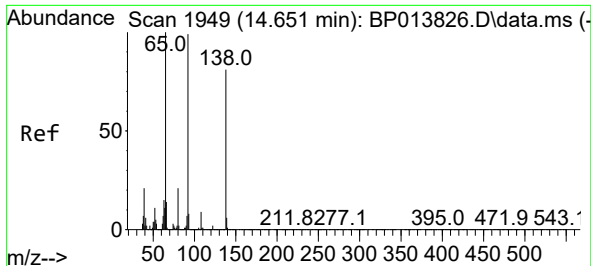
Tgt Ion: 65 Resp: 83
Ion Ratio Lower Upper
65 100
92 12.8 58.7 88.1#
138 0.0 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.002 ng
RT: 14.304 min Scan# 1890
Delta R.T. -0.012 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

Tgt Ion: 165 Resp: 76
Ion Ratio Lower Upper
165 100
63 49.0 42.6 63.8
89 106.1 47.1 70.7#

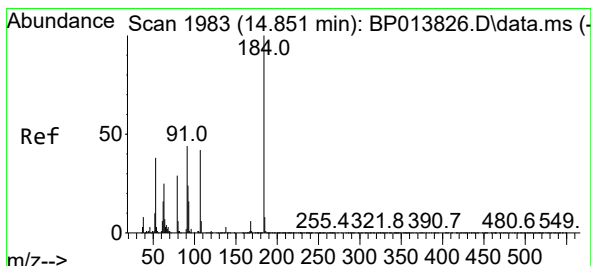
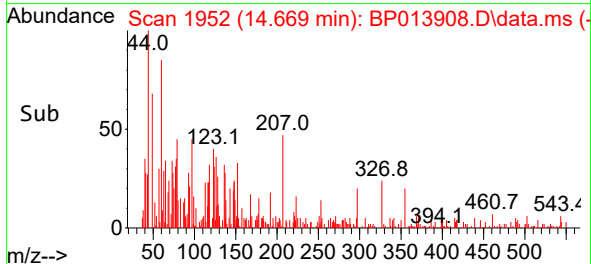
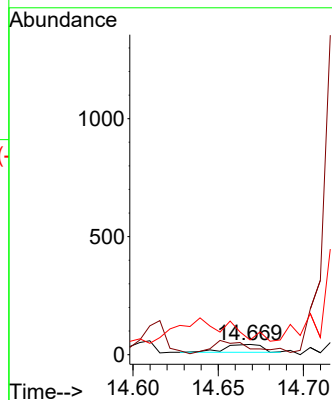
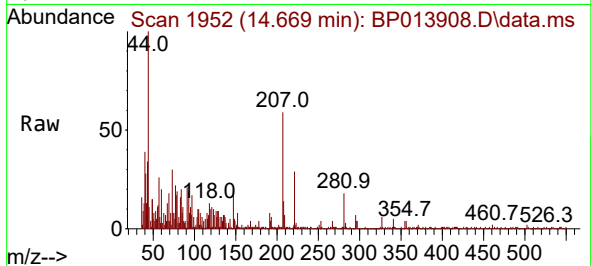




#53
3-Nitroaniline
Concen: 2.017 ng
RT: 14.669 min Scan# 1952
Delta R.T. 0.023 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

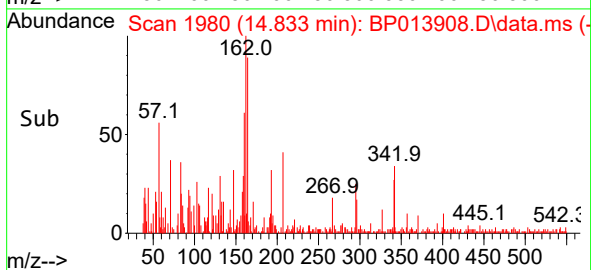
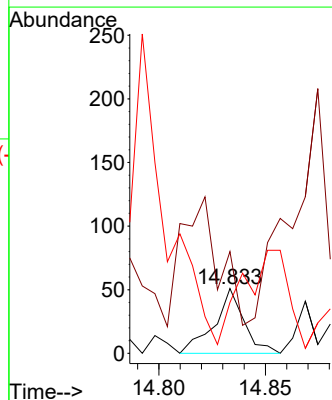
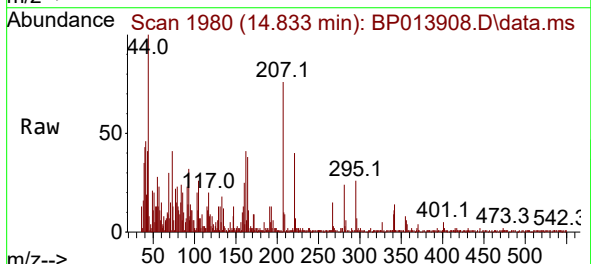
Instrument :
BNA_P
ClientSampleId :
HH-CON-9

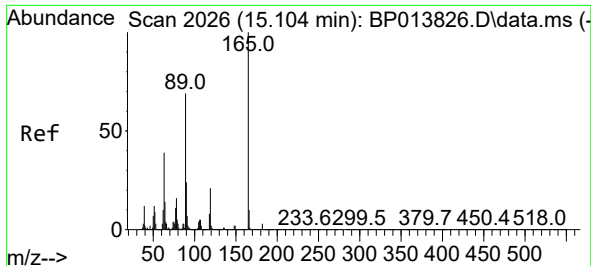
Tgt Ion:138 Resp: 50
Ion Ratio Lower Upper
138 100
108 55.8 9.0 13.4#
92 144.2 97.1 145.7



#54
2,4-Dinitrophenol
Concen: 5.276 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BP013908.D
Acq: 01 Mar 2023 01:44

Tgt Ion:184 Resp: 50
Ion Ratio Lower Upper
184 100
63 156.9 47.0 70.4#
154 78.4 51.5 77.3#





#57

2,4-Dinitrotoluene

Concen: 2.339 ng

RT: 15.086 min Scan# 20

Delta R.T. -0.012 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

Instrument :

BNA_P

ClientSampleId :

HH-CON-9

Tgt Ion:165 Resp: 425

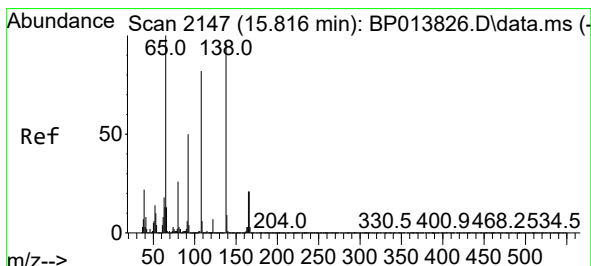
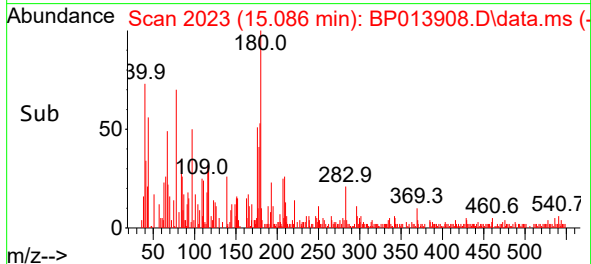
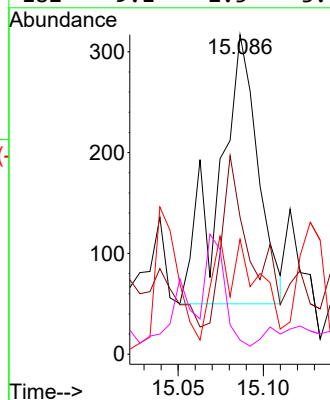
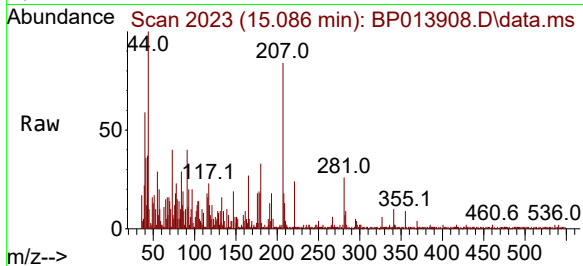
Ion Ratio Lower Upper

165 100

63 42.9 31.1 46.7

89 36.0 54.9 82.3#

182 9.1 2.5 3.7#



#62

4-Nitroaniline

Concen: 2.554 ng

RT: 15.751 min Scan# 2136

Delta R.T. -0.059 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

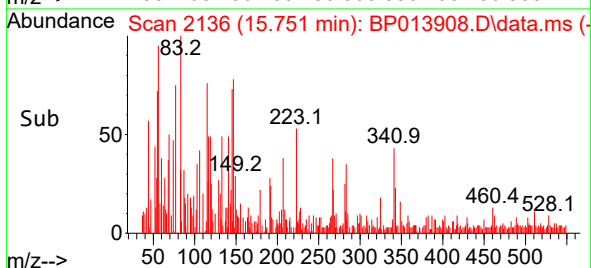
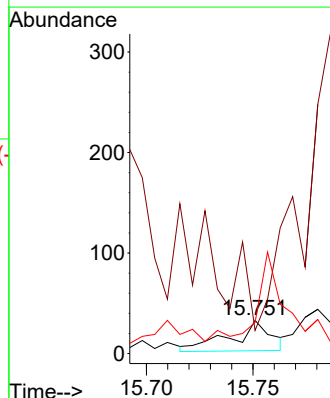
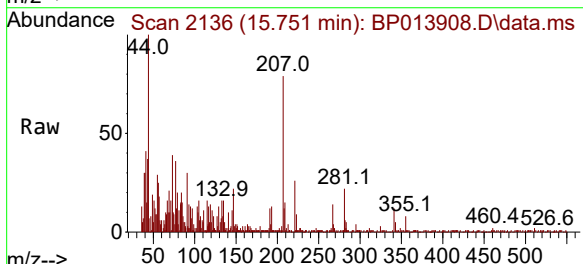
Tgt Ion:138 Resp: 40

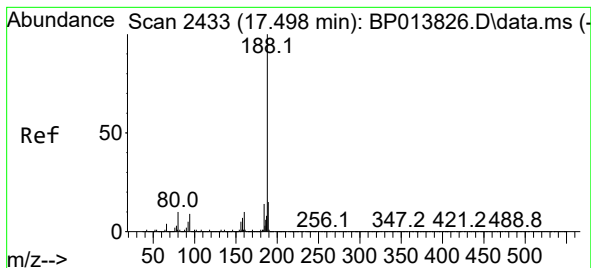
Ion Ratio Lower Upper

138 100

92 69.7 32.0 72.0

108 93.9 65.6 105.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.486 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

Instrument :

BNA_P

ClientSampleId :

HH-CON-9

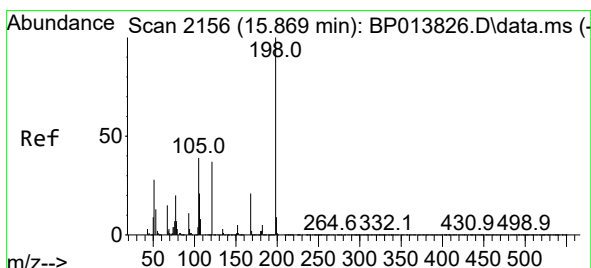
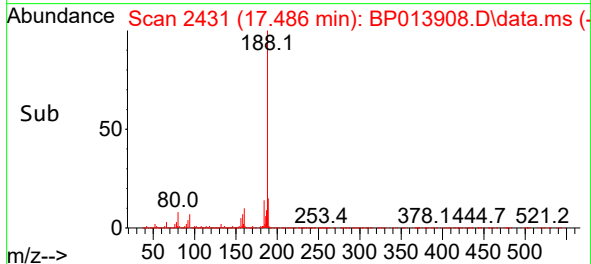
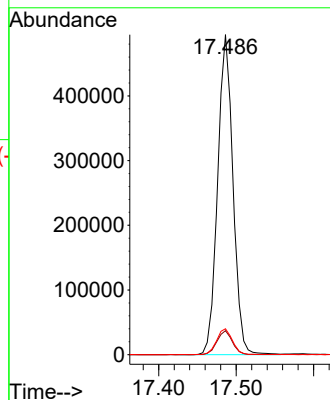
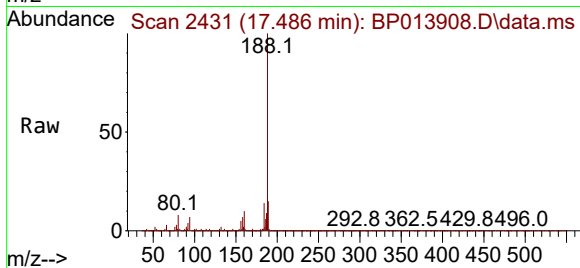
Tgt Ion:188 Resp: 680103

Ion Ratio Lower Upper

188 100

94 7.5 7.0 10.6

80 8.1 7.8 11.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.629 ng

RT: 15.863 min Scan# 2155

Delta R.T. -0.000 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

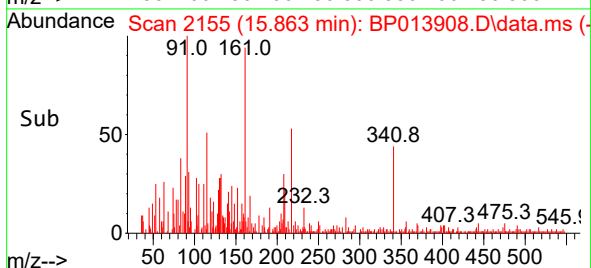
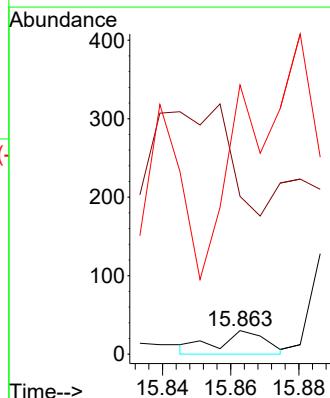
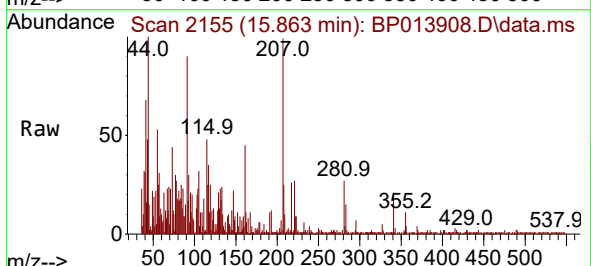
Tgt Ion:198 Resp: 29

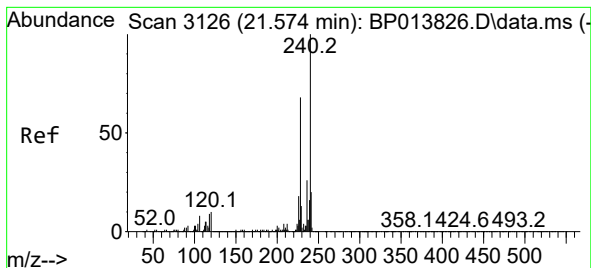
Ion Ratio Lower Upper

198 100

51 670.0 14.3 54.3#

105 1143.3 20.5 60.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

Instrument :

BNA_P

ClientSampleId :

HH-CON-9

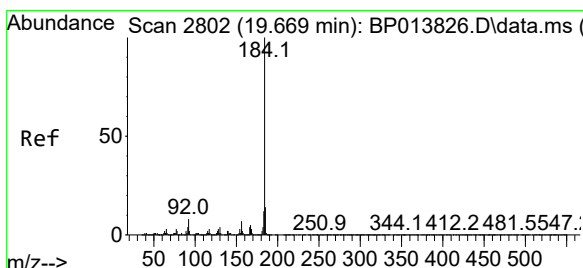
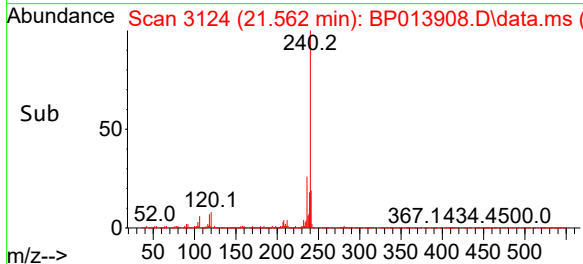
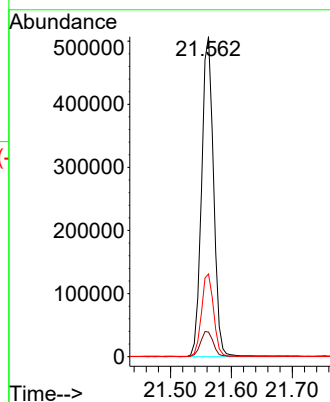
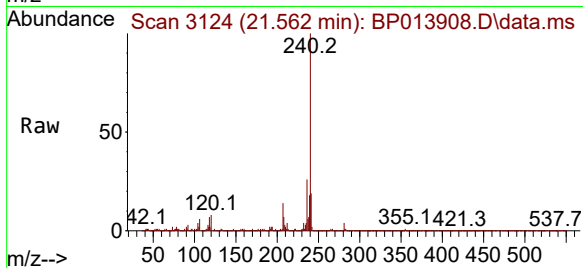
Tgt Ion:240 Resp: 692346

Ion Ratio Lower Upper

240 100

120 7.7 7.9 11.9#

236 25.9 20.9 31.3



#77

Benzidine

Concen: 2.479 ng

RT: 19.621 min Scan# 2794

Delta R.T. -0.041 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

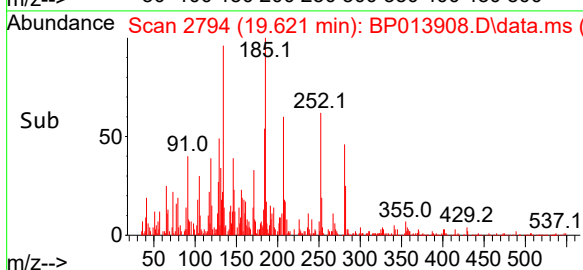
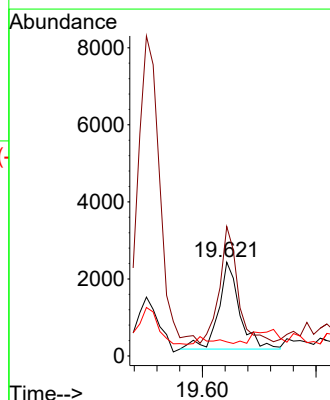
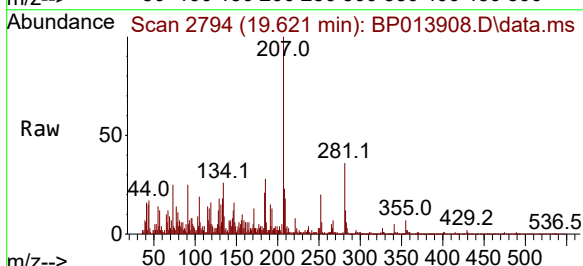
Tgt Ion:184 Resp: 2917

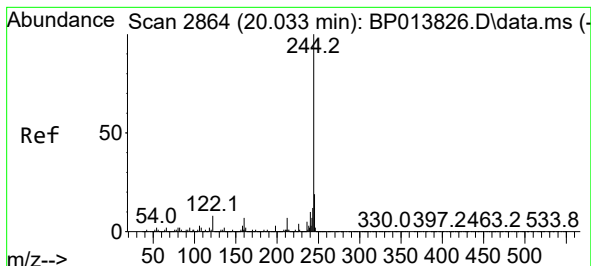
Ion Ratio Lower Upper

184 100

185 137.9 11.4 17.0#

183 14.9 9.6 14.4#





#79

Terphenyl-d14

Concen: 69.972 ng

RT: 20.021 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

Instrument :

BNA_P

ClientSampleId :

HH-CON-9

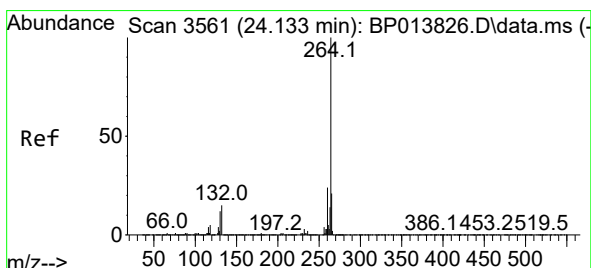
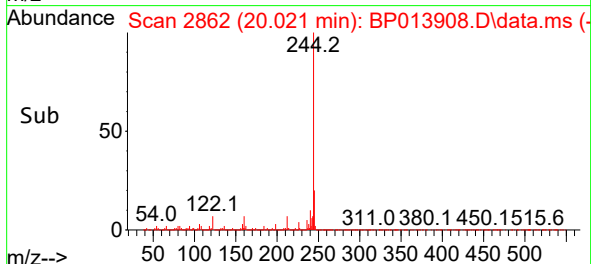
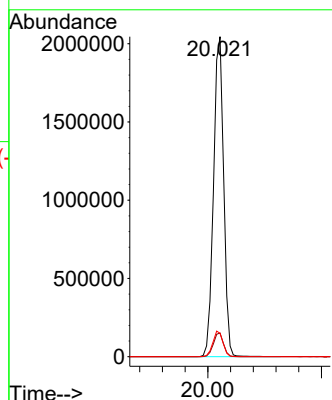
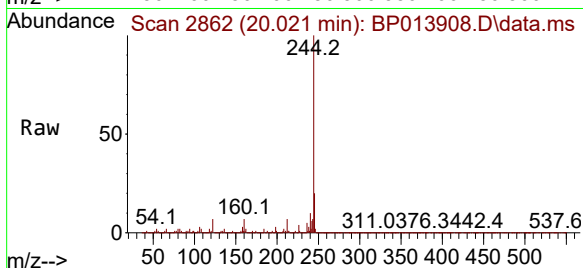
Tgt Ion:244 Resp: 2517916

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 7.3 6.7 10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.109 min Scan# 3557

Delta R.T. -0.012 min

Lab File: BP013908.D

Acq: 01 Mar 2023 01:44

Tgt Ion:264 Resp: 799426

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

265 22.3 17.6 26.4

