

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013842.D
 Acq On : 17 Feb 2023 13:22
 Operator : CG/JU
 Sample : 01541-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ASH

Quant Time: Feb 17 22:02:14 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 17 18:05:40 2023
 Response via : Initial Calibration

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

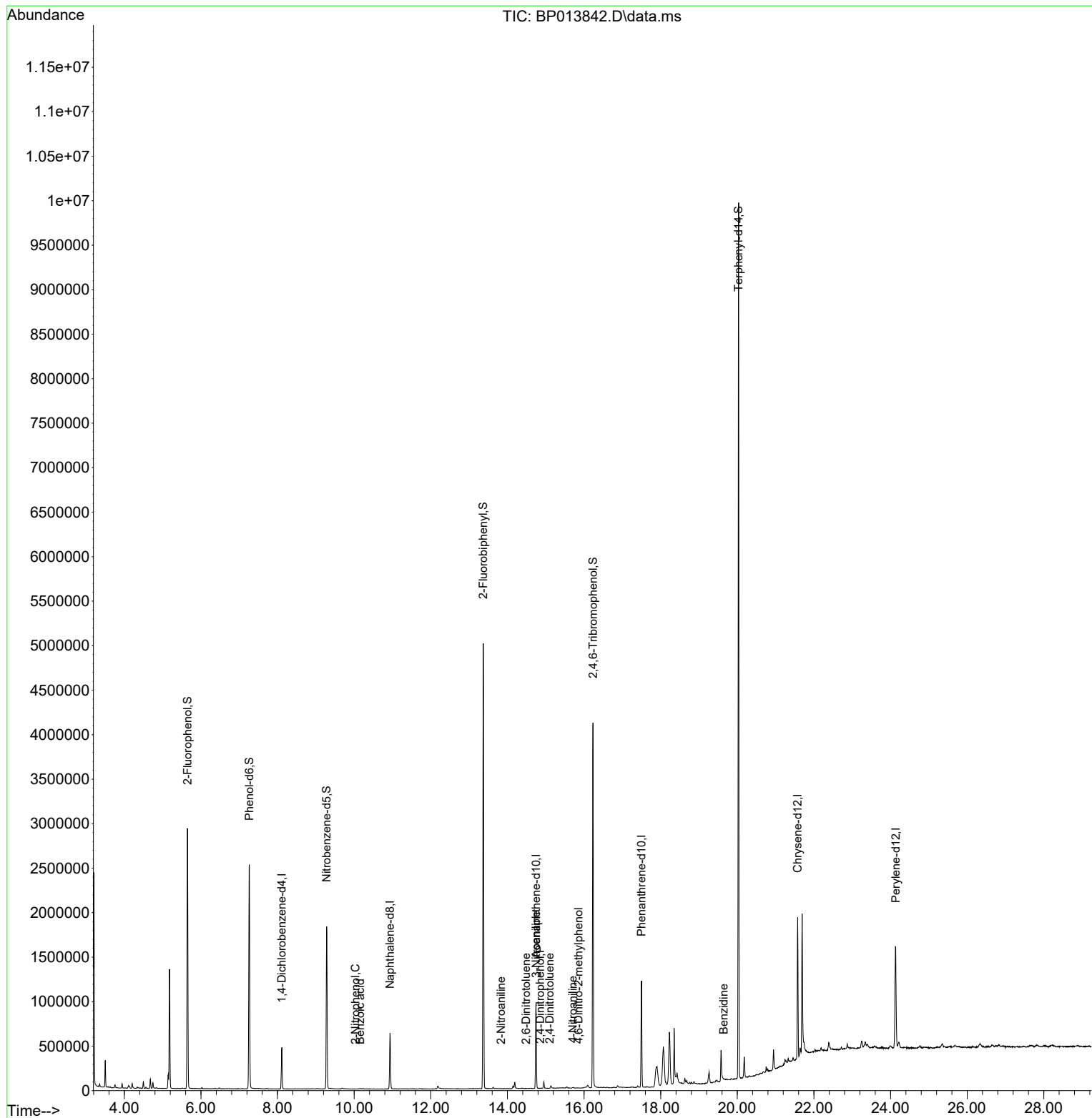
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	125995	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	509020	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	323211	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	729767	20.000	ng	0.00
76) Chrysene-d12	21.574	240	803004	20.000	ng	0.00
86) Perylene-d12	24.133	264	941656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.652	112	1284491	168.021	ng	0.00
7) Phenol-d6	7.263	99	1496424	152.838	ng	0.00
23) Nitrobenzene-d5	9.281	82	1075646	114.111	ng	0.00
42) 2,4,6-Tribromophenol	16.233	330	785684	166.993	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	2528268	102.744	ng	0.00
79) Terphenyl-d14	20.033	244	4805014	115.128	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.034	139	17	2.772	ng	# 1
32) Benzoic acid	10.157	122	3598	5.612	ng	94
48) 2-Nitroaniline	13.834	65	50	3.238	ng	# 37
51) 2,6-Dinitrotoluene	14.486	165	83	2.001	ng	88
53) 3-Nitroaniline	14.751	138	156	2.033	ng	# 1
54) 2,4-Dinitrophenol	14.851	184	12	5.265	ng	# 1
57) 2,4-Dinitrotoluene	15.098	165	67	2.289	ng	# 17
62) 4-Nitroaniline	15.710	138	108	2.564	ng	80
65) 4,6-Dinitro-2-methylph...	15.857	198	13	4.626	ng	# 1
77) Benzidine	19.645	184	50	2.286	ng	# 1

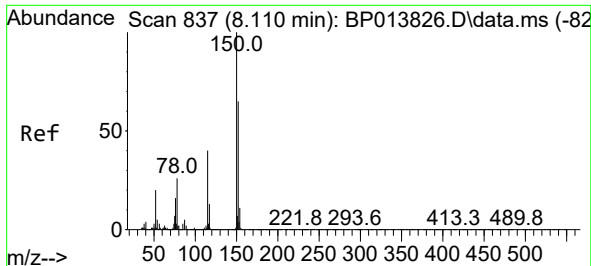
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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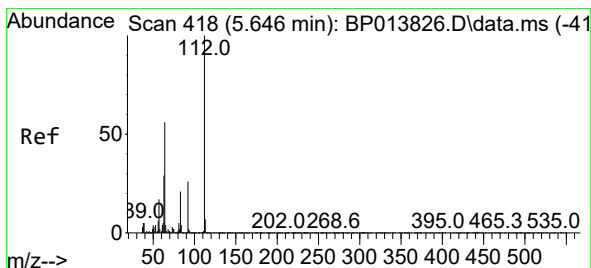
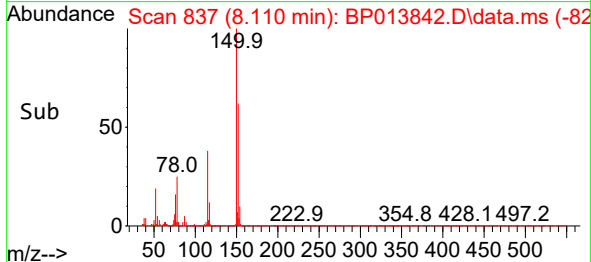
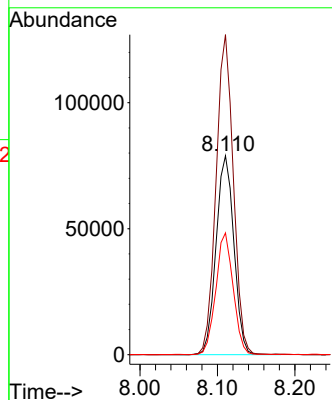
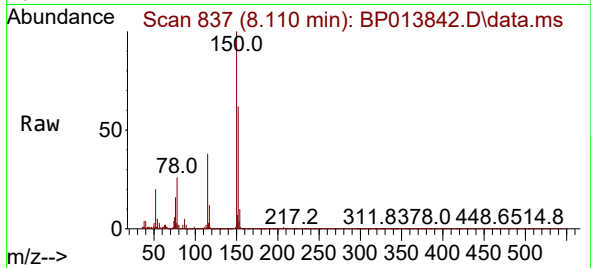




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

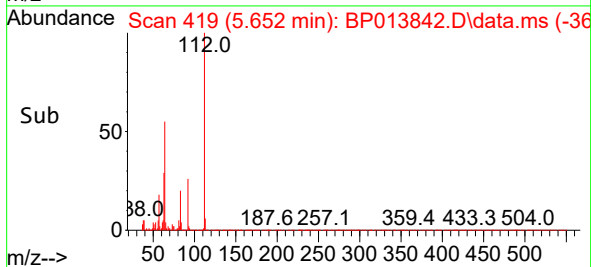
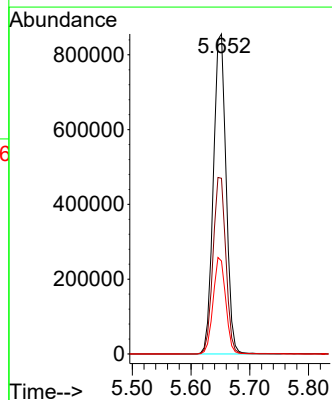
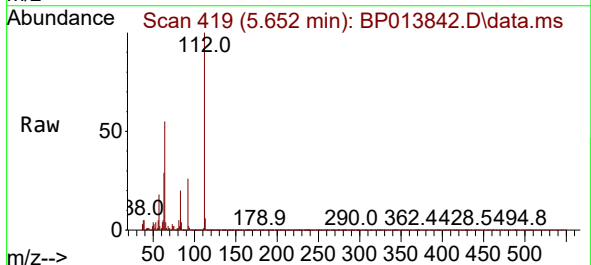
Instrument :
BNA_P
ClientSampleId :
ASH

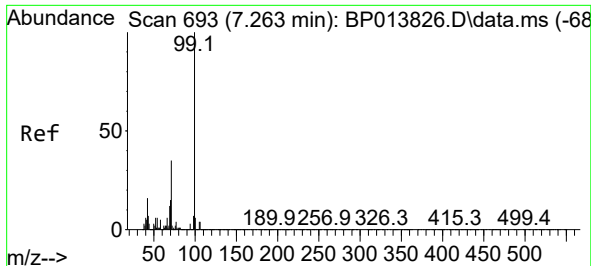
Tgt Ion:152 Resp: 125995
Ion Ratio Lower Upper
152 100
150 160.8 122.8 184.2
115 61.2 49.0 73.6



#5
2-Fluorophenol
Concen: 168.021 ng
RT: 5.652 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

Tgt Ion:112 Resp: 1284491
Ion Ratio Lower Upper
112 100
64 54.9 44.6 66.8
63 29.1 23.6 35.4



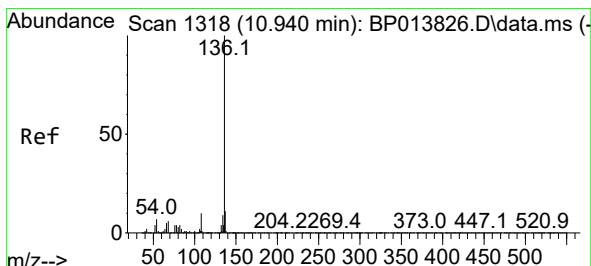
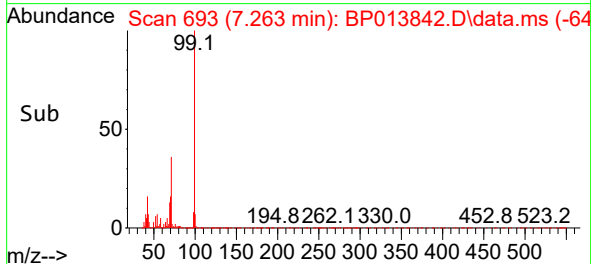
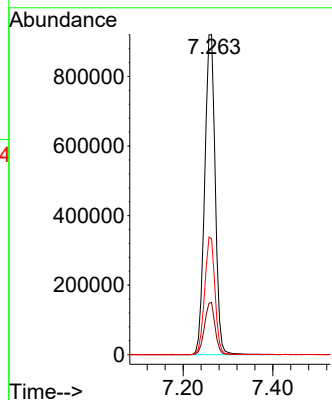
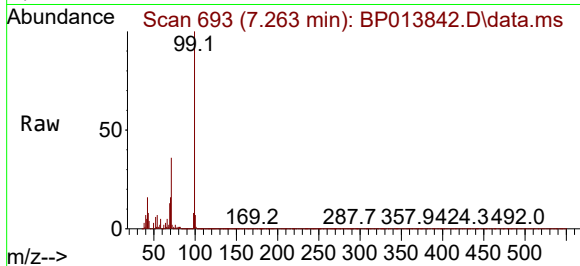


#7
Phenol-d6
Concen: 152.838 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

Instrument :
BNA_P
ClientSampleId :
ASH

Tgt Ion: 99 Resp: 1496424

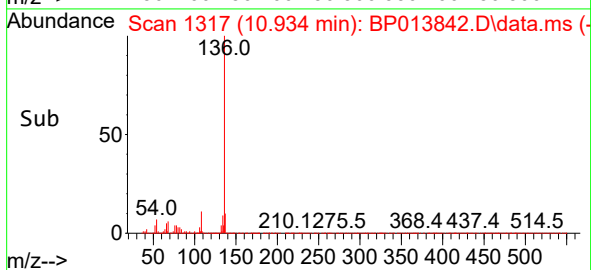
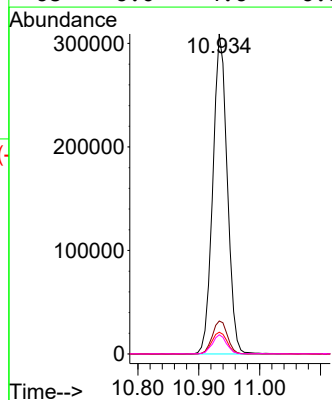
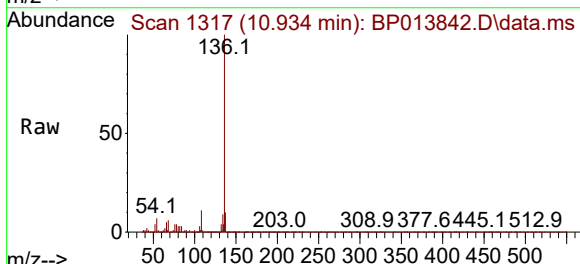
Ion	Ratio	Lower	Upper
99	100		
42	16.3	12.5	18.7
71	36.2	27.8	41.8

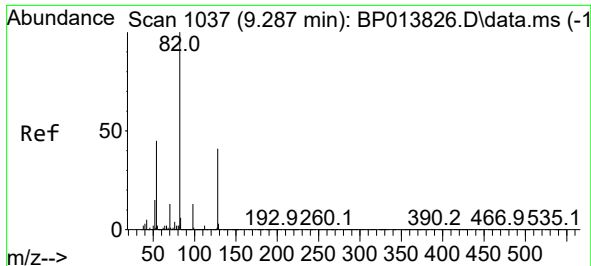


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

Tgt Ion: 136 Resp: 509020

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	6.8	5.8	8.6
68	6.0	4.6	6.8





#23

Nitrobenzene-d5

Concen: 114.111 ng

RT: 9.281 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013842.D

Acq: 17 Feb 2023 13:22

Instrument :

BNA_P

ClientSampleId :

ASH

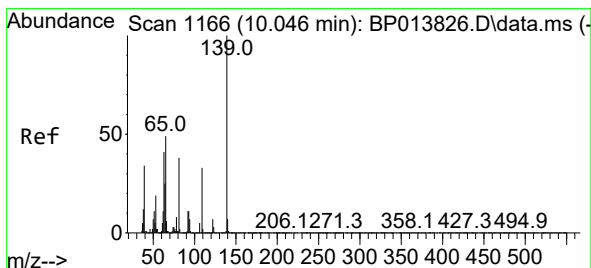
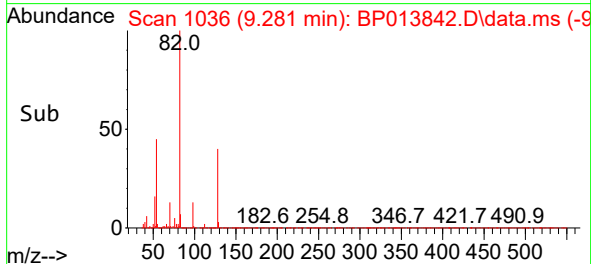
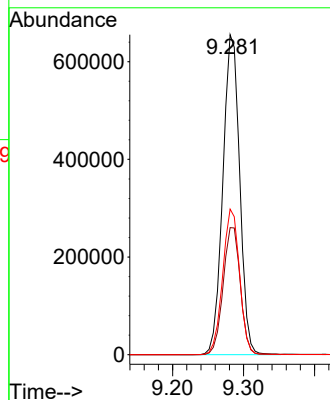
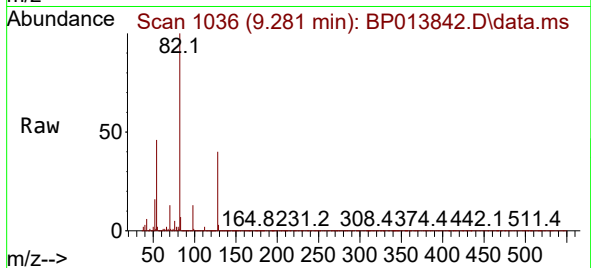
Tgt Ion: 82 Resp: 1075646

Ion Ratio Lower Upper

82 100

128 39.7 32.9 49.3

54 45.5 35.6 53.4



#26

2-Nitrophenol

Concen: 2.772 ng

RT: 10.034 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BP013842.D

Acq: 17 Feb 2023 13:22

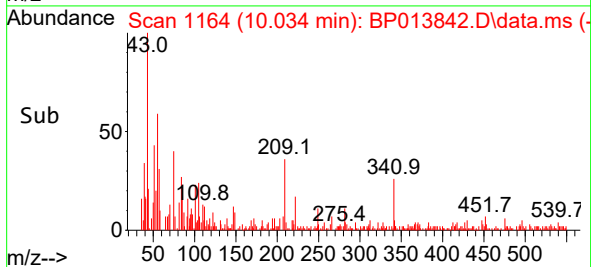
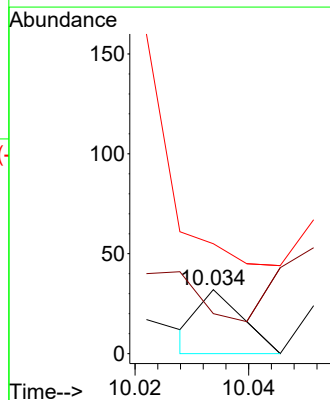
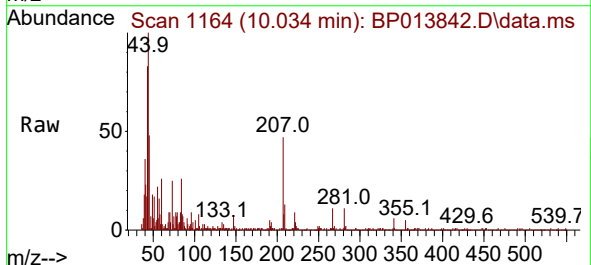
Tgt Ion:139 Resp: 17

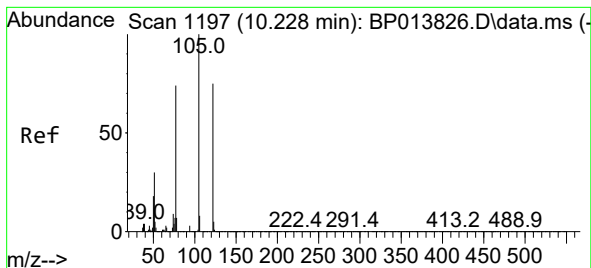
Ion Ratio Lower Upper

139 100

109 62.5 26.7 40.1#

65 171.9 39.4 59.2#





#32

Benzoic acid

Concen: 5.612 ng

RT: 10.157 min Scan# 1185

Delta R.T. -0.071 min

Lab File: BP013842.D

Acq: 17 Feb 2023 13:22

Instrument :

BNA_P

ClientSampleId :

ASH

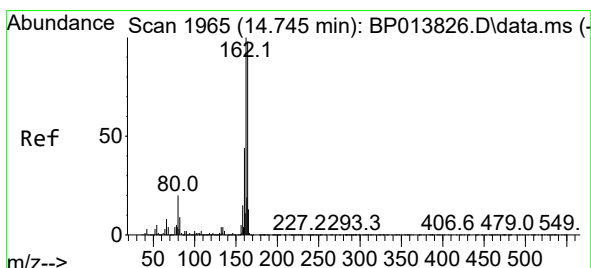
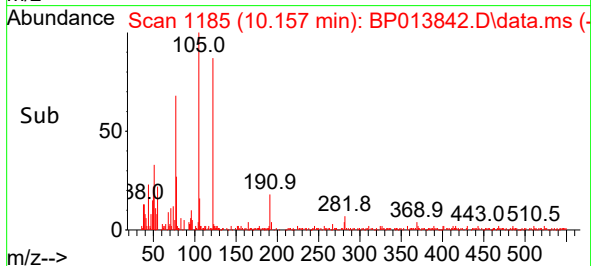
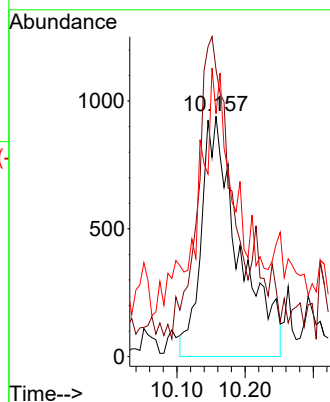
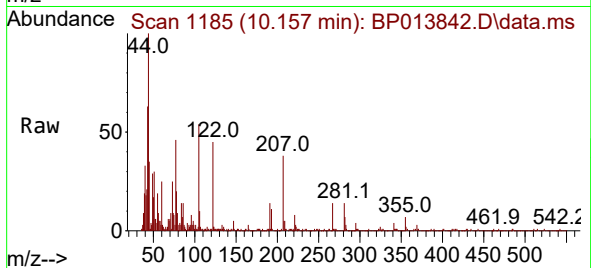
Tgt Ion:122 Resp: 3598

Ion Ratio Lower Upper

122 100

105 119.3 107.4 147.4

77 101.1 76.0 116.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.745 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BP013842.D

Acq: 17 Feb 2023 13:22

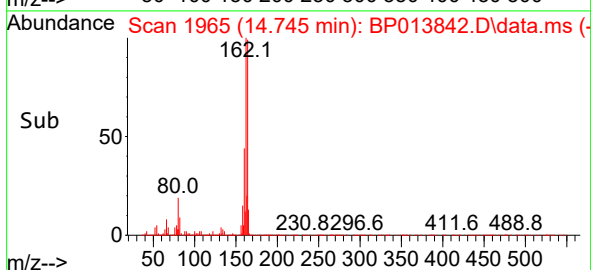
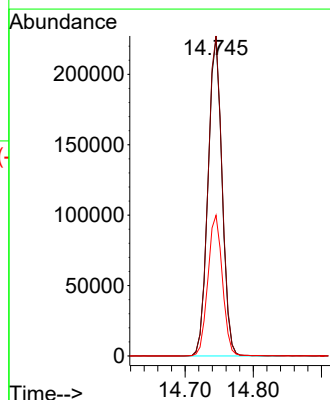
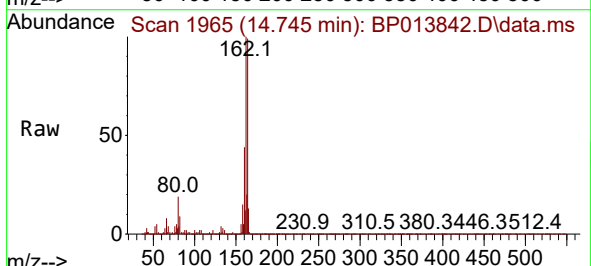
Tgt Ion:164 Resp: 323211

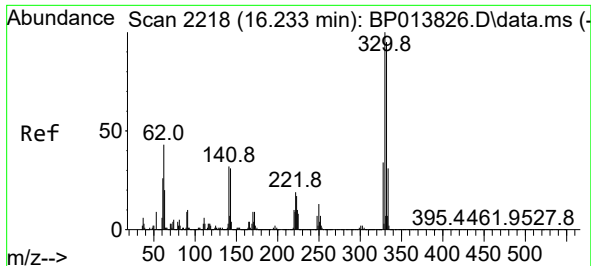
Ion Ratio Lower Upper

164 100

162 100.7 81.7 122.5

160 44.3 36.1 54.1

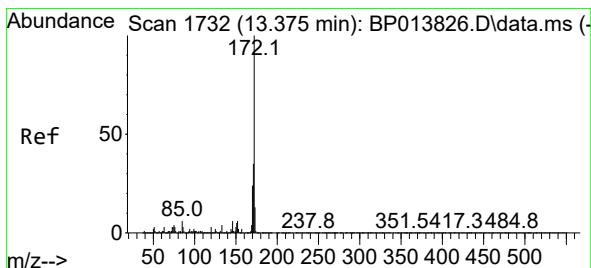
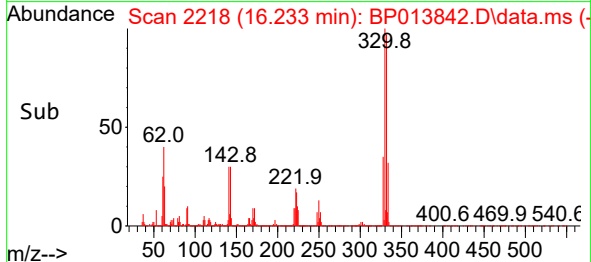
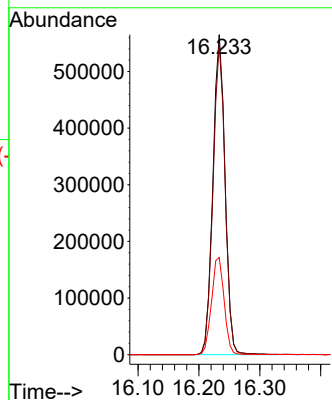
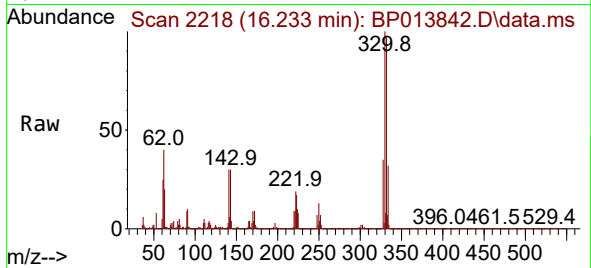




#42
2,4,6-Tribromophenol
Concen: 166.993 ng
RT: 16.233 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

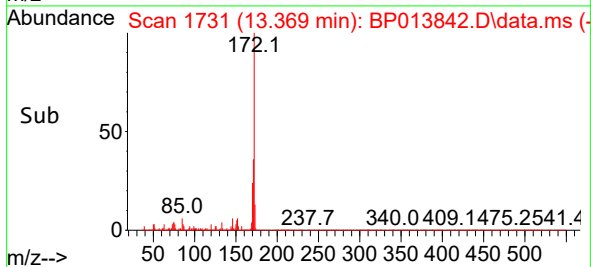
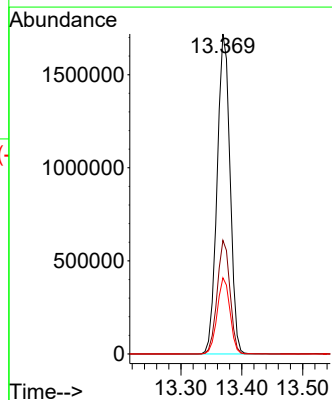
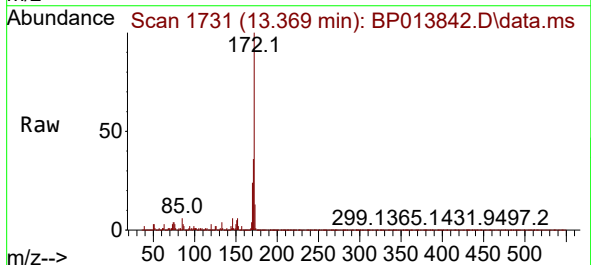
Instrument :
BNA_P
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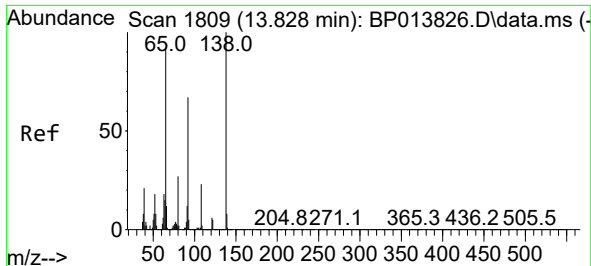
Tgt Ion:330 Resp: 785684
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 31.6 25.1 37.7



#45
2-Fluorobiphenyl
Concen: 102.744 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

Tgt Ion:172 Resp: 2528268
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.8 19.0 28.4

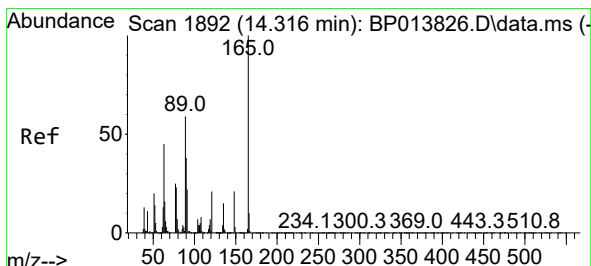
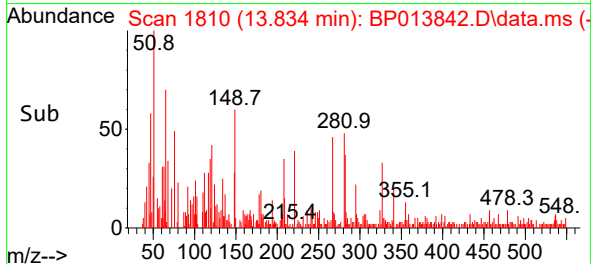
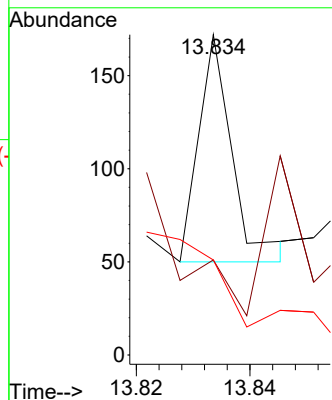
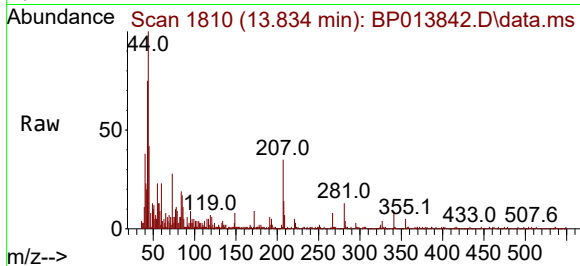




#48
2-Nitroaniline
Concen: 3.238 ng
RT: 13.834 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

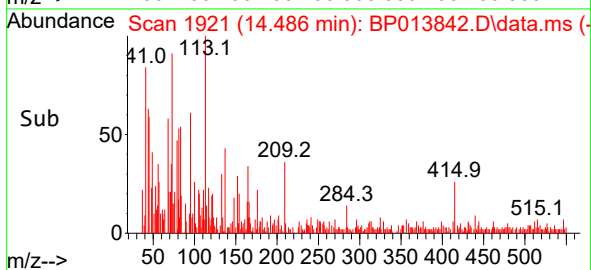
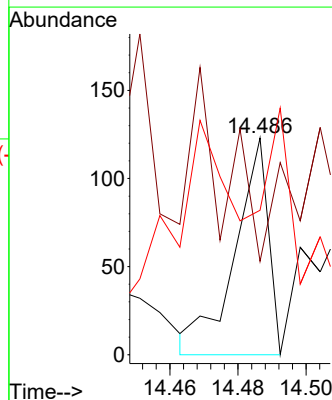
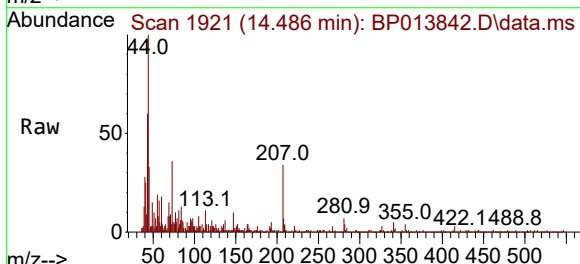
Instrument :
BNA_P
ClientSampleId :
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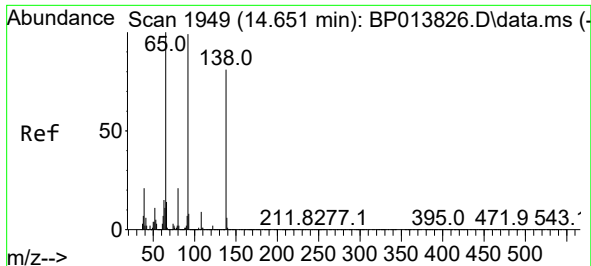
Tgt Ion: 65 Resp: 50
Ion Ratio Lower Upper
65 100
92 34.4 58.7 88.1#
138 30.8 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.001 ng
RT: 14.486 min Scan# 1921
Delta R.T. 0.170 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

Tgt Ion: 165 Resp: 83
Ion Ratio Lower Upper
165 100
63 43.1 42.6 63.8
89 66.7 47.1 70.7

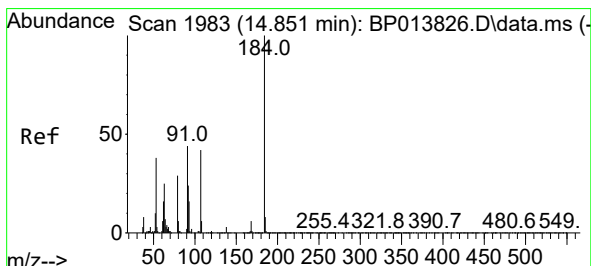
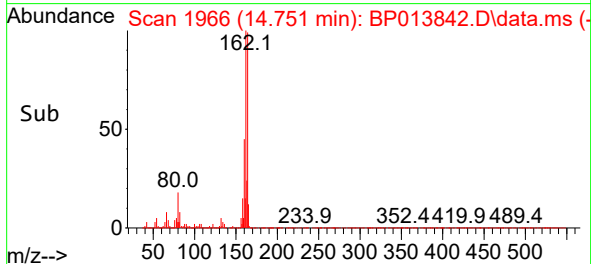
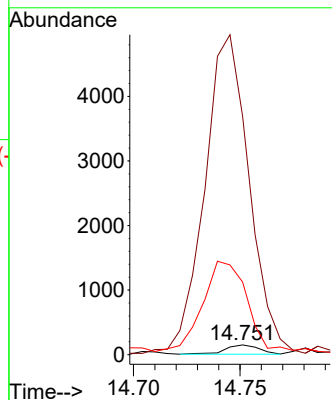
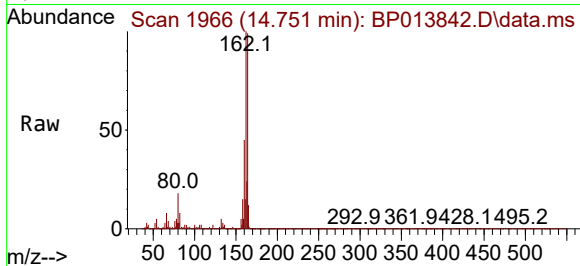




#53
3-Nitroaniline
Concen: 2.033 ng
RT: 14.751 min Scan# 1966
Delta R.T. 0.100 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

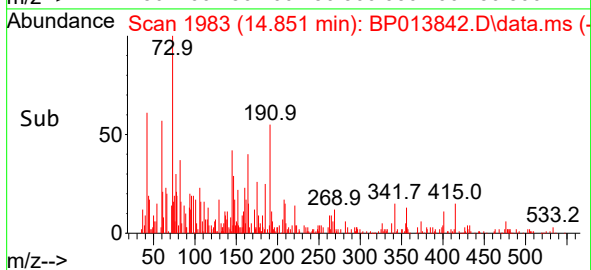
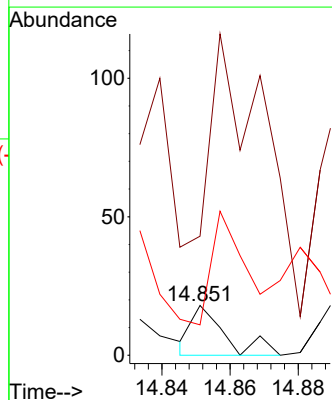
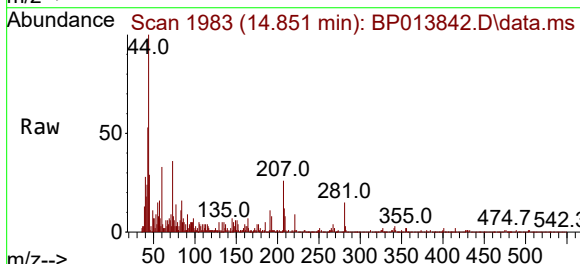
Instrument :
BNA_P
ClientSampleId :
ASH

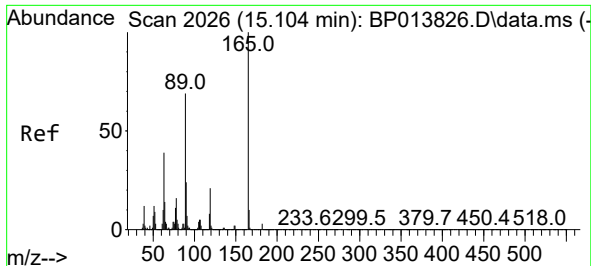
Tgt Ion:138 Resp: 156
Ion Ratio Lower Upper
138 100
108 2430.3 9.0 13.4#
92 740.8 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.265 ng
RT: 14.851 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 238.9 47.0 70.4#
154 61.1 51.5 77.3

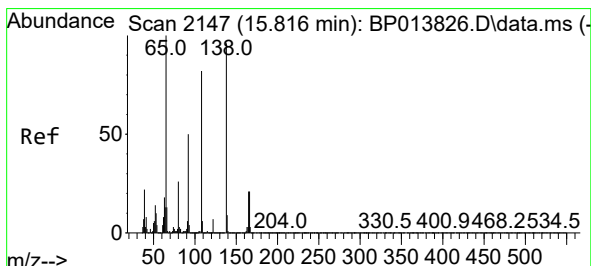
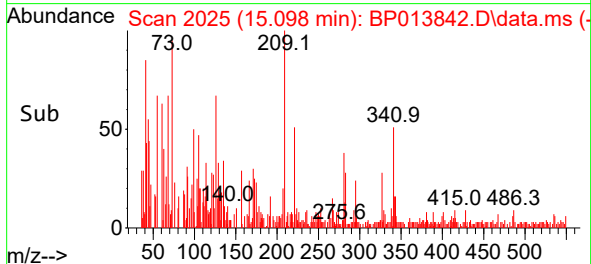
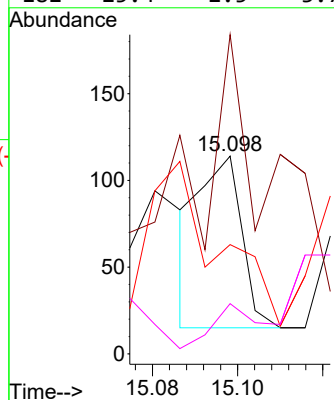
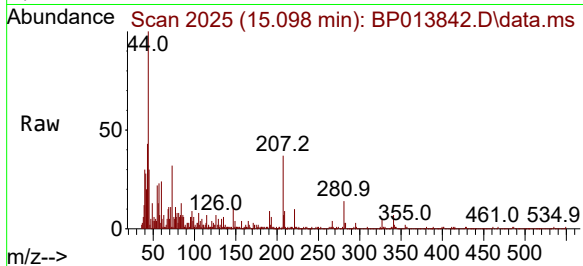




#57
2,4-Dinitrotoluene
Concen: 2.289 ng
RT: 15.098 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

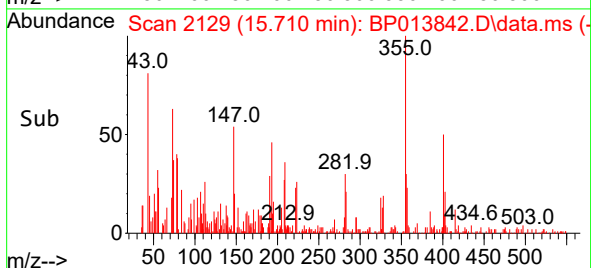
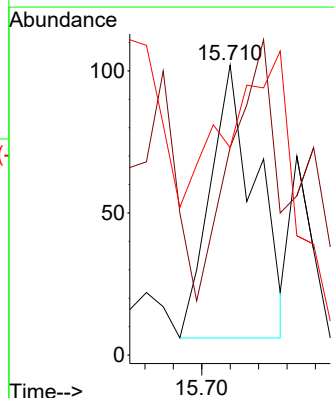
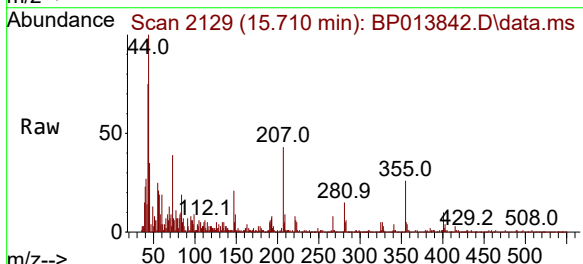
Instrument :
BNA_P
ClientSampleId :
ASH

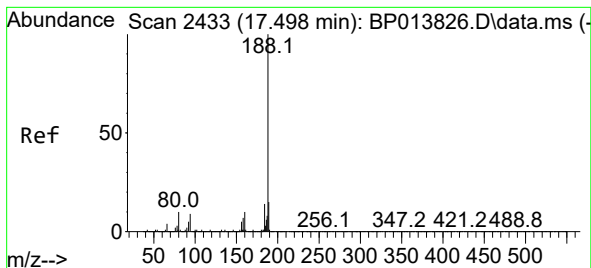
Tgt Ion:165 Resp: 67
Ion Ratio Lower Upper
165 100
63 161.4 31.1 46.7#
89 55.3 54.9 82.3
182 25.4 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.564 ng
RT: 15.710 min Scan# 2129
Delta R.T. -0.106 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

Tgt Ion:138 Resp: 108
Ion Ratio Lower Upper
138 100
92 71.6 32.0 72.0
108 71.6 65.6 105.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.498 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BP013842.D

Acq: 17 Feb 2023 13:22

Instrument :

BNA_P

ClientSampleId :

ASH

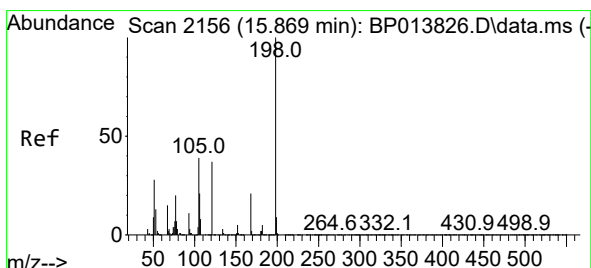
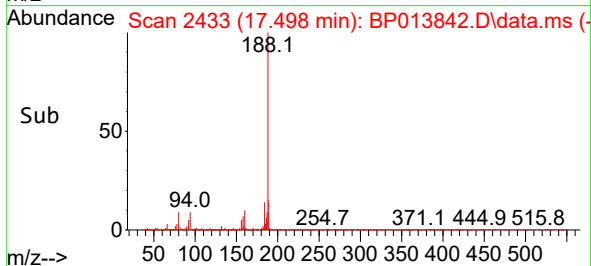
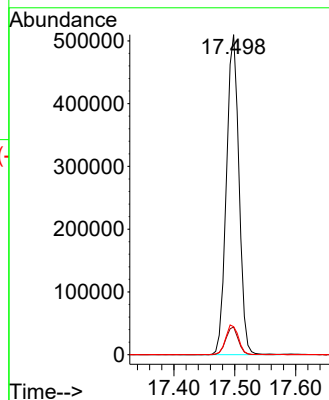
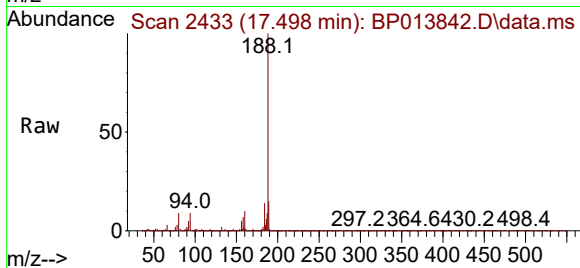
Tgt Ion:188 Resp: 729767

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

80 8.8 7.8 11.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.626 ng

RT: 15.857 min Scan# 2154

Delta R.T. -0.012 min

Lab File: BP013842.D

Acq: 17 Feb 2023 13:22

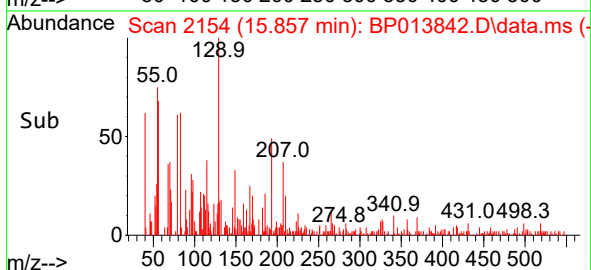
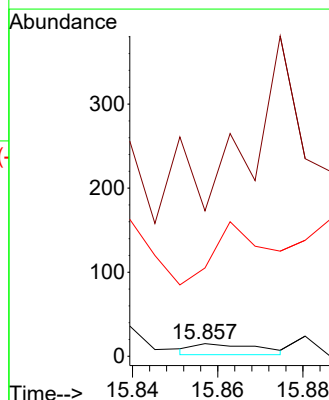
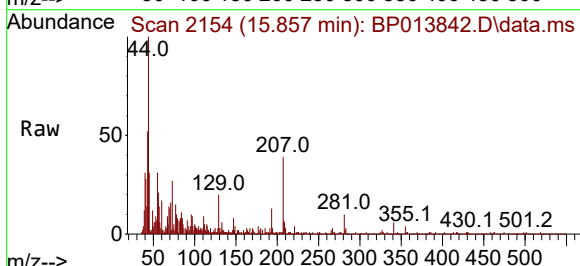
Tgt Ion:198 Resp: 13

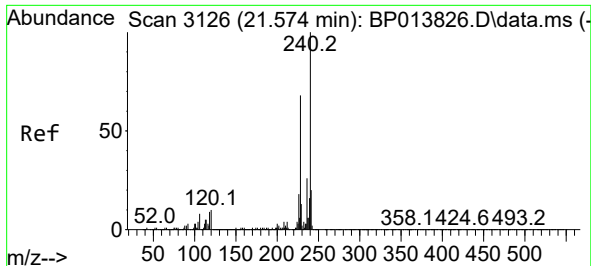
Ion Ratio Lower Upper

198 100

51 1153.3 14.3 54.3#

105 700.0 20.5 60.5#

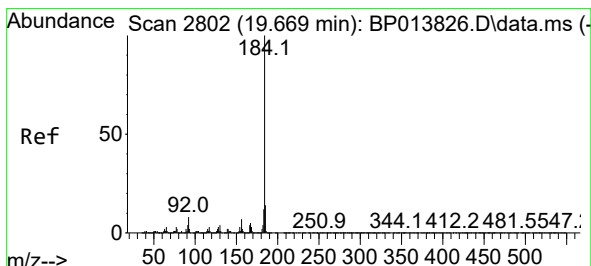
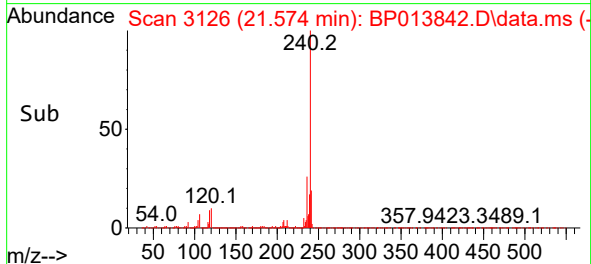
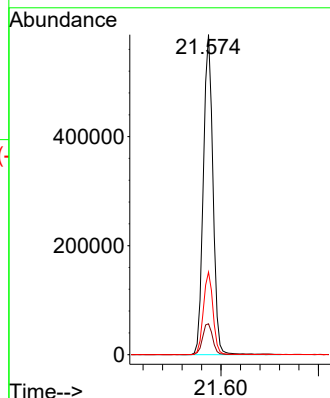
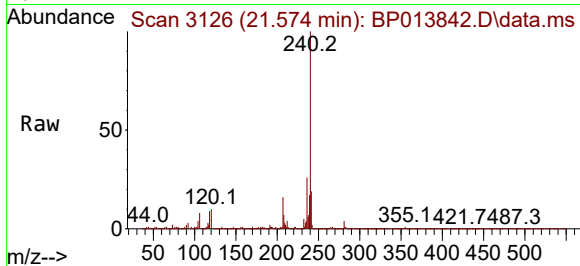




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

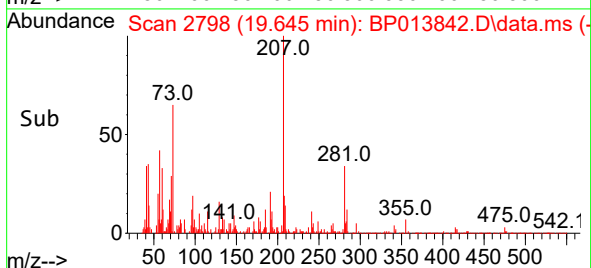
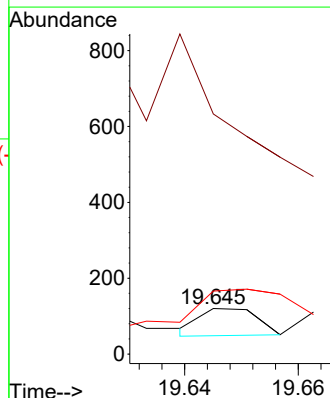
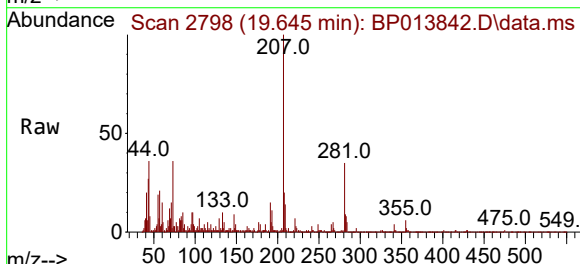
Instrument :
BNA_P
ClientSampleId :
ASH

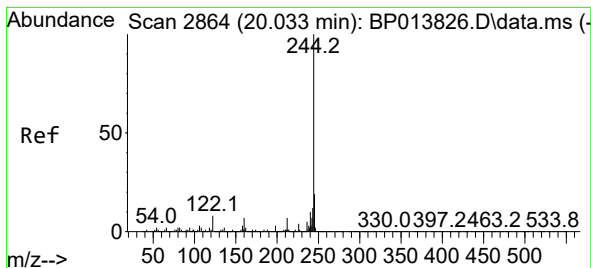
Tgt Ion:240 Resp: 803004
Ion Ratio Lower Upper
240 100
120 9.6 7.9 11.9
236 25.8 20.9 31.3



#77
Benzidine
Concen: 2.286 ng
RT: 19.645 min Scan# 2798
Delta R.T. -0.024 min
Lab File: BP013842.D
Acq: 17 Feb 2023 13:22

Tgt Ion:184 Resp: 50
Ion Ratio Lower Upper
184 100
185 527.5 11.4 17.0#
183 138.3 9.6 14.4#





#79

Terphenyl-d14

Concen: 115.128 ng

RT: 20.033 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013842.D

Acq: 17 Feb 2023 13:22

Instrument :

BNA_P

ClientSampleId :

ASH

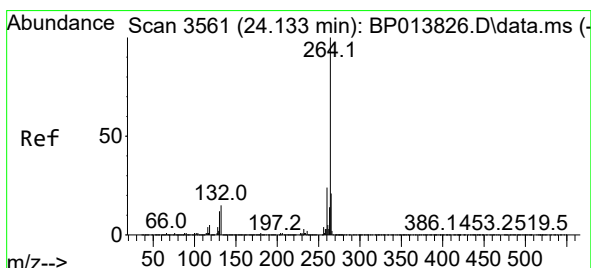
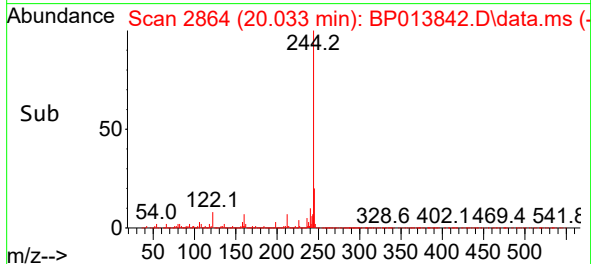
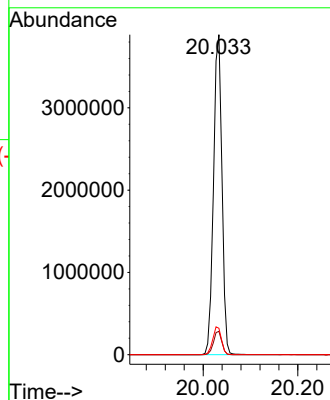
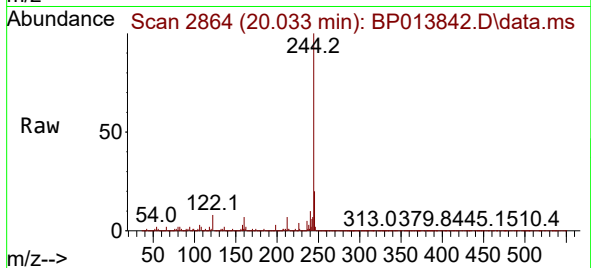
Tgt Ion:244 Resp: 4805014

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 8.3 6.7 10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.133 min Scan# 3561

Delta R.T. 0.000 min

Lab File: BP013842.D

Acq: 17 Feb 2023 13:22

Tgt Ion:264 Resp: 941656

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

265 21.6 17.6 26.4

