

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030223\
 Data File : BP013937.D
 Acq On : 02 Mar 2023 23:38
 Operator : CG/JU
 Sample : 01749-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CF-18

Quant Time: Mar 03 02:42:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 02 04:26:35 2023
 Response via : Initial Calibration

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

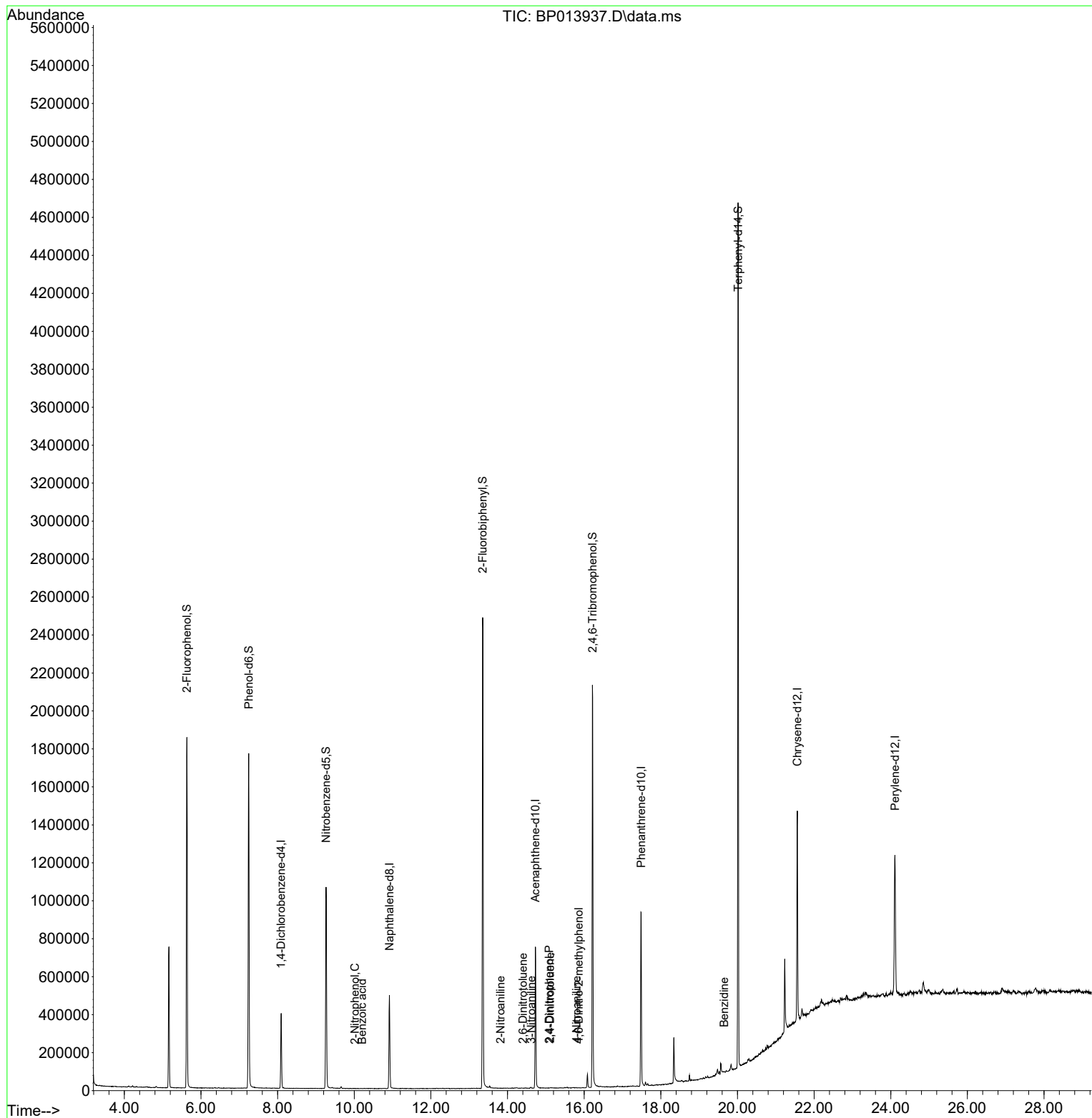
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	101358	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	406369	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	253031	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	568014	20.000	ng	0.00
76) Chrysene-d12	21.563	240	557652	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	631841	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	753080	122.453	ng	0.00
7) Phenol-d6	7.246	99	996225	126.482	ng	0.00
23) Nitrobenzene-d5	9.263	82	626188	83.210	ng	0.00
42) 2,4,6-Tribromophenol	16.222	330	428266	116.273	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	1317895	68.411	ng	0.00
79) Terphenyl-d14	20.016	244	2118032	73.076	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.016	139	28	2.775	ng	# 1
32) Benzoic acid	10.204	122	12	5.078	ng	# 1
48) 2-Nitroaniline	13.816	65	77	3.246	ng	# 44
51) 2,6-Dinitrotoluene	14.404	165	83	2.005	ng	97
53) 3-Nitroaniline	14.622	138	33	2.015	ng	# 73
54) 2,4-Dinitrophenol	15.086	184	10	5.265	ng	88
57) 2,4-Dinitrotoluene	15.116	165	122	2.300	ng	# 65
62) 4-Nitroaniline	15.804	138	43	2.556	ng	# 34
65) 4,6-Dinitro-2-methylph...	15.857	198	2	4.624	ng	# 1
77) Benzidine	19.657	184	179	2.298	ng	# 1

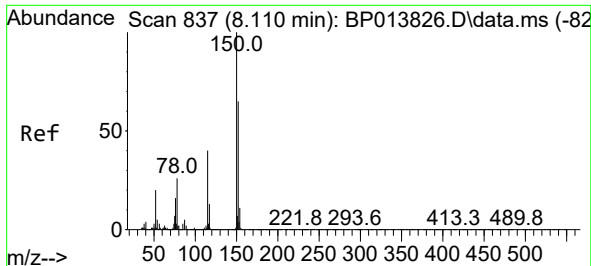
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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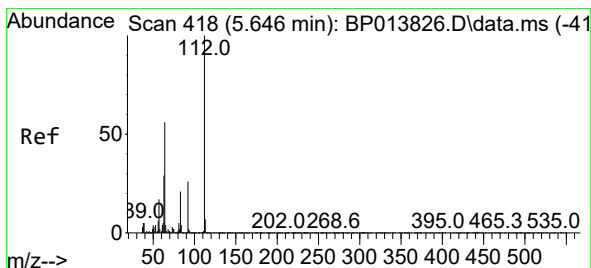
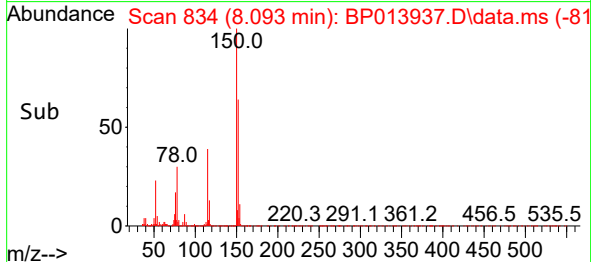
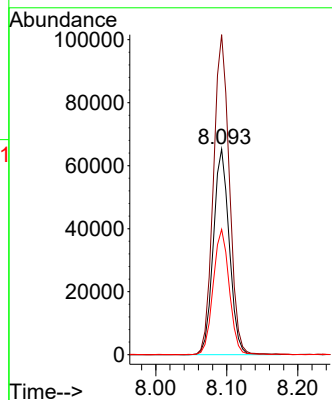
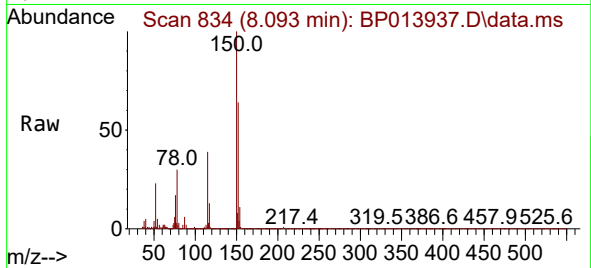




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

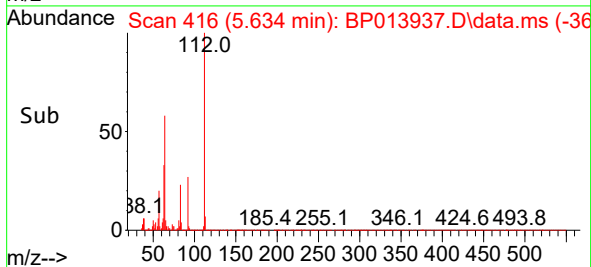
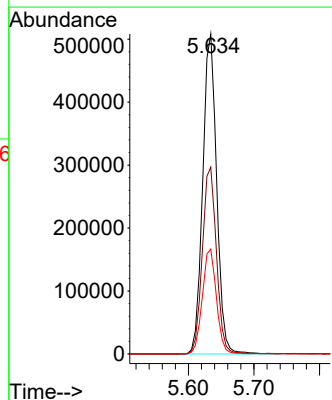
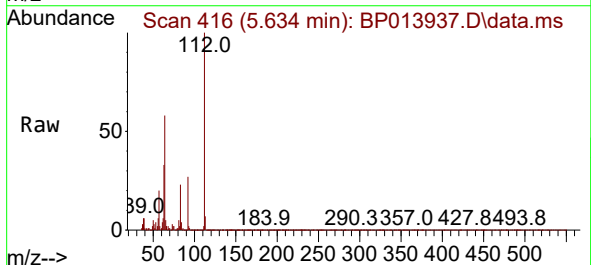
Instrument :
BNA_P
ClientSampleId :
CF-18

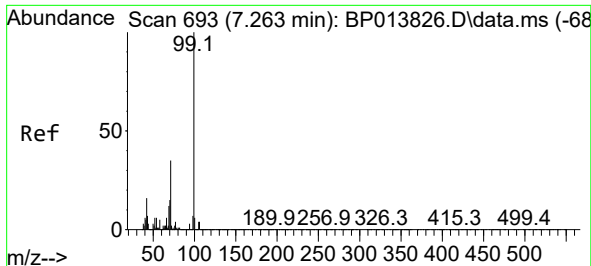
Tgt Ion:152 Resp: 101358
Ion Ratio Lower Upper
152 100
150 155.6 122.8 184.2
115 60.9 49.0 73.6



#5
2-Fluorophenol
Concen: 122.453 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

Tgt Ion:112 Resp: 753080
Ion Ratio Lower Upper
112 100
64 58.4 44.6 66.8
63 32.8 23.6 35.4

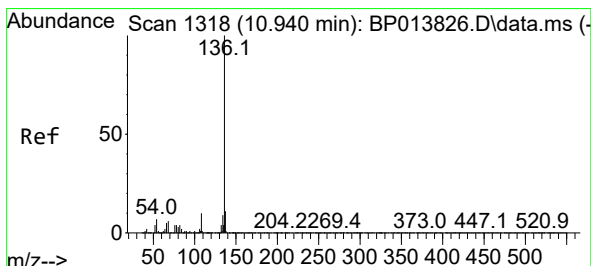
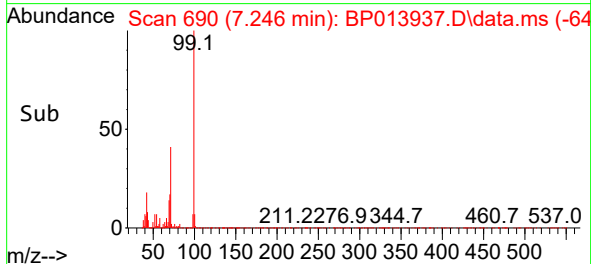
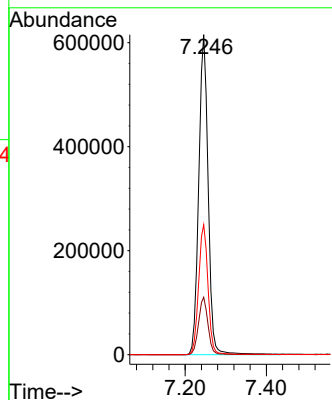
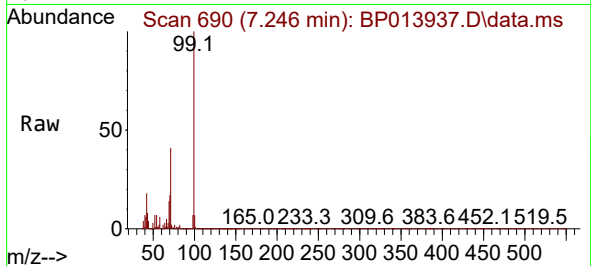




#7
Phenol-d6
Concen: 126.482 ng
RT: 7.246 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

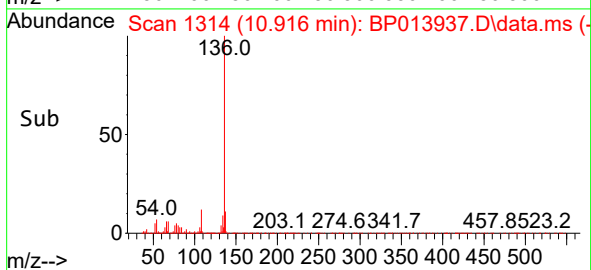
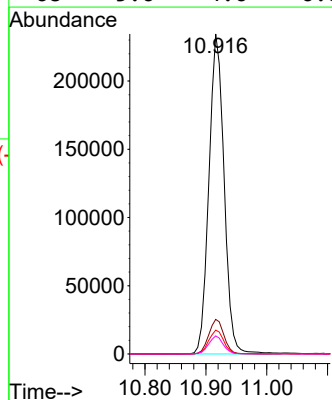
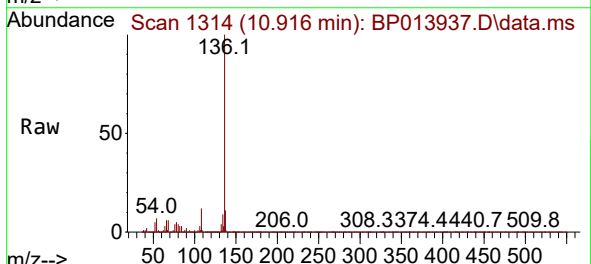
Instrument :
BNA_P
ClientSampleId :
CF-18

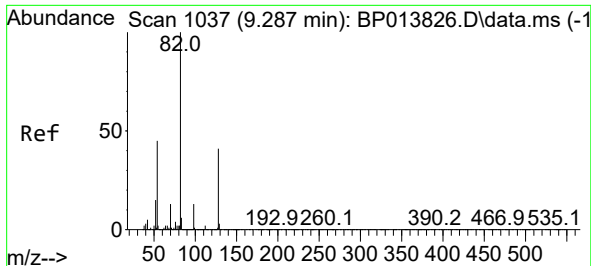
Tgt Ion: 99 Resp: 996225
Ion Ratio Lower Upper
99 100
42 18.0 12.5 18.7
71 40.6 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

Tgt Ion: 136 Resp: 406369
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.4 5.8 8.6
68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 83.210 ng

RT: 9.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

Instrument :

BNA_P

ClientSampleId :

CF-18

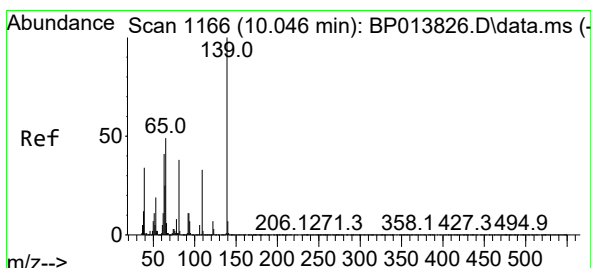
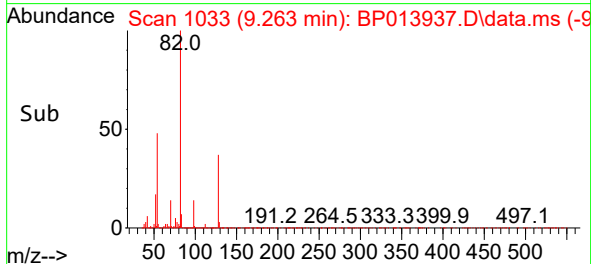
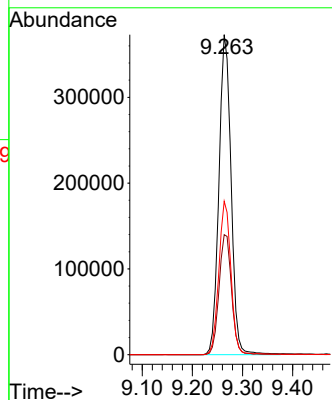
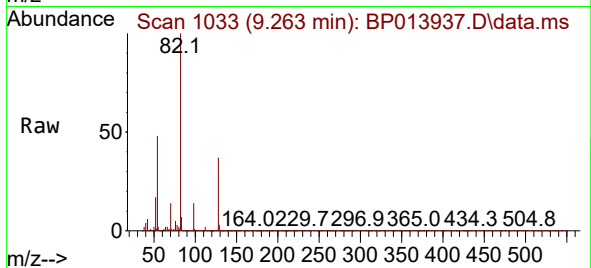
Tgt Ion: 82 Resp: 626188

Ion Ratio Lower Upper

82 100

128 37.5 32.9 49.3

54 47.9 35.6 53.4



#26

2-Nitrophenol

Concen: 2.775 ng

RT: 10.016 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

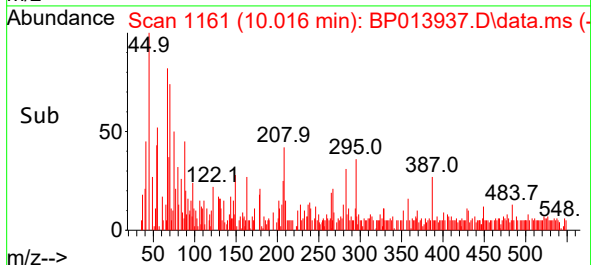
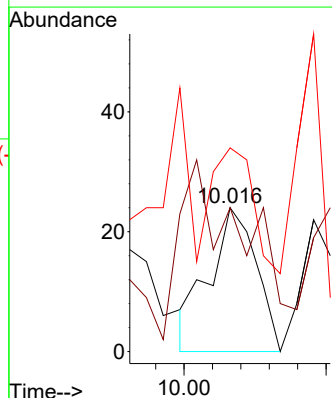
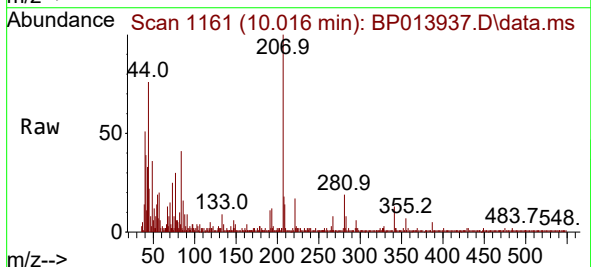
Tgt Ion:139 Resp: 28

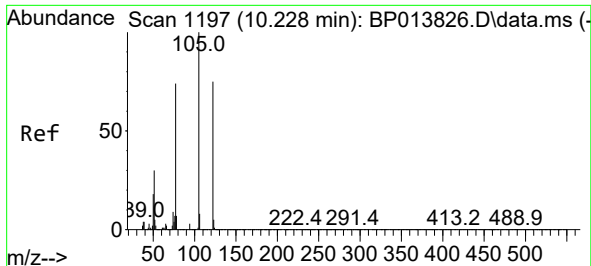
Ion Ratio Lower Upper

139 100

109 100.0 26.7 40.1#

65 141.7 39.4 59.2#

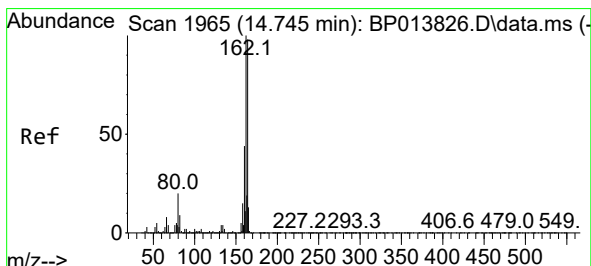
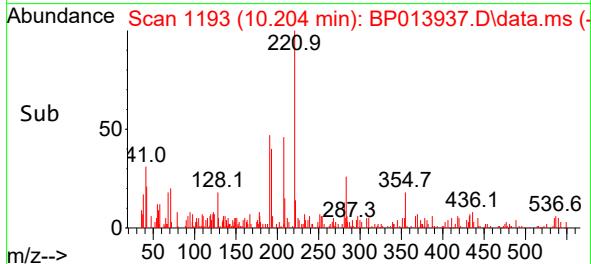
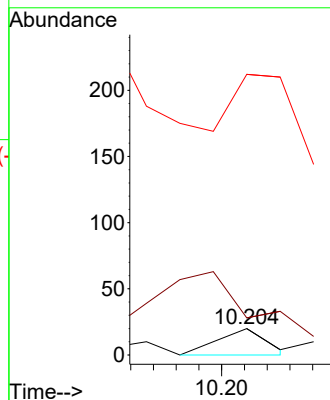
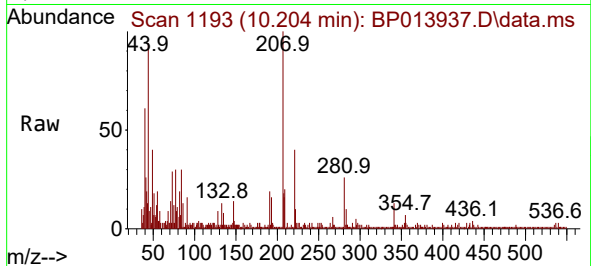




#32
Benzoic acid
Concen: 5.078 ng
RT: 10.204 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

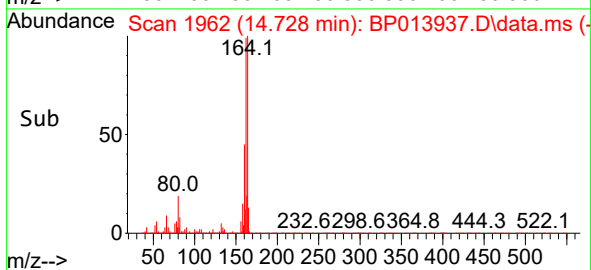
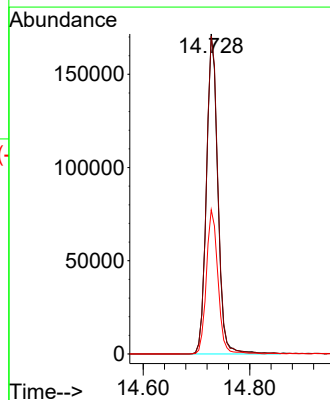
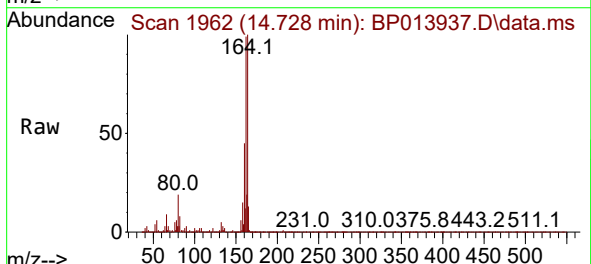
Instrument :
BNA_P
ClientSampleId :
CF-18

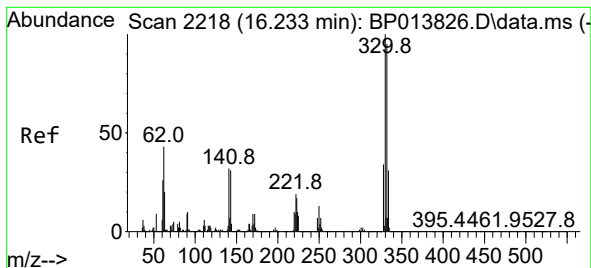
Tgt Ion:122 Resp: 12
Ion Ratio Lower Upper
122 100
105 65.1 107.4 147.4#
77 493.0 76.0 116.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.728 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

Tgt Ion:164 Resp: 253031
Ion Ratio Lower Upper
164 100
162 99.3 81.7 122.5
160 45.1 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 116.273 ng

RT: 16.222 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

Instrument :

BNA_P

ClientSampleId :

CF-18

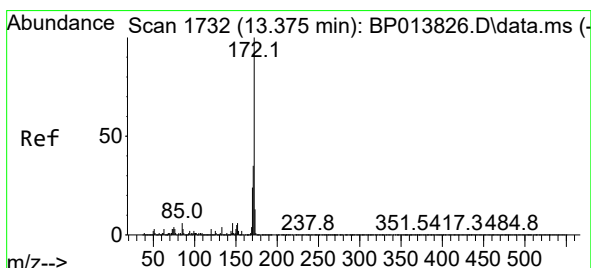
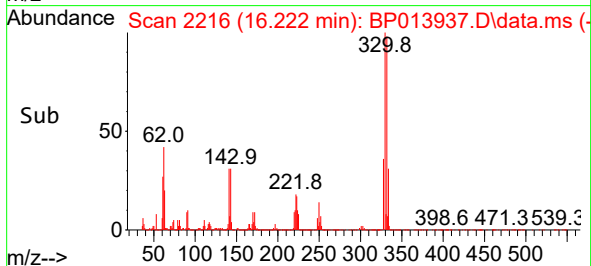
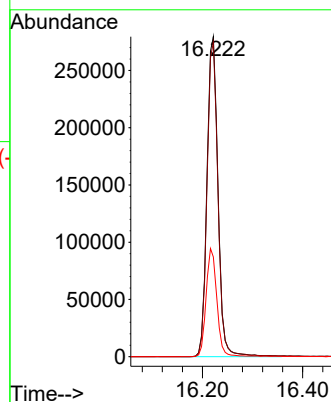
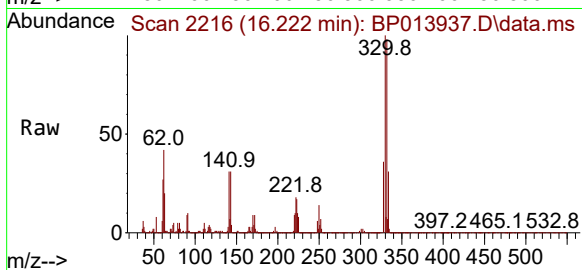
Tgt Ion:330 Resp: 428266

Ion Ratio Lower Upper

330 100

332 97.3 76.7 115.1

141 32.8 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 68.411 ng

RT: 13.351 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

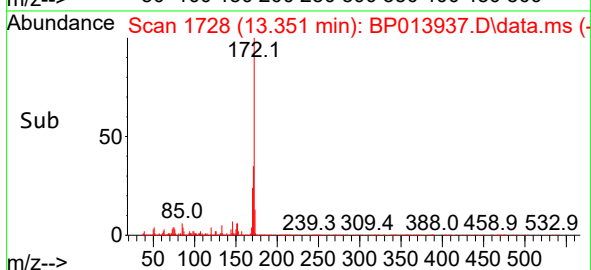
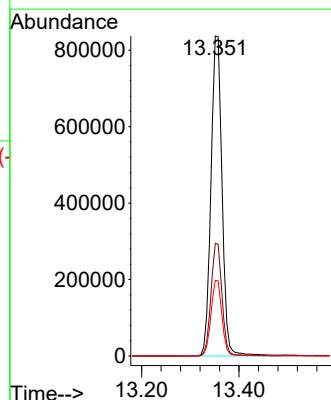
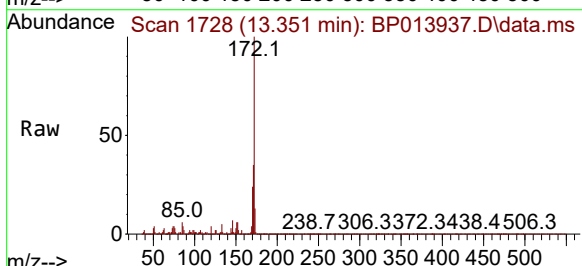
Tgt Ion:172 Resp: 1317895

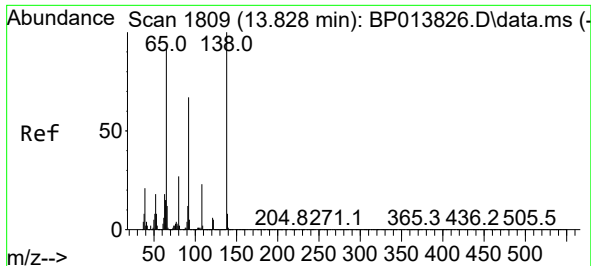
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.7 19.0 28.4

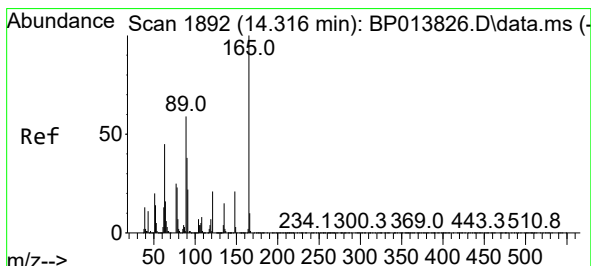
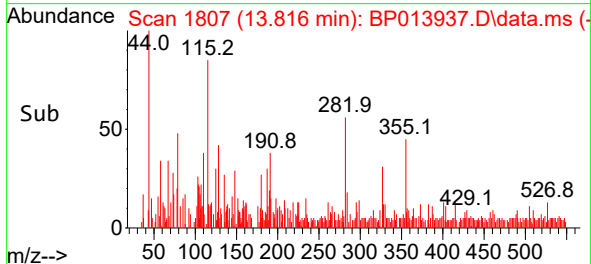
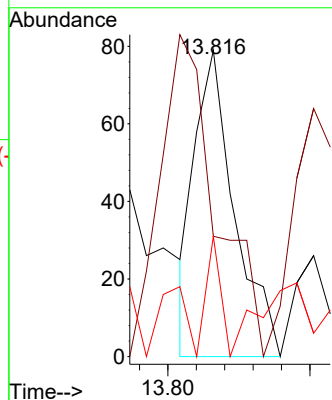
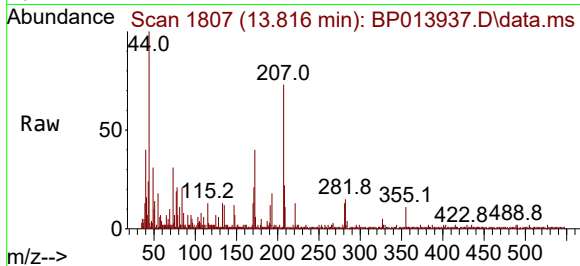




#48
2-Nitroaniline
Concen: 3.246 ng
RT: 13.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

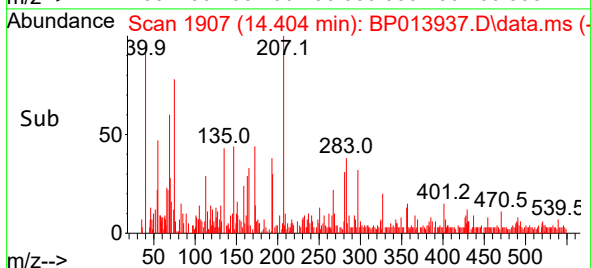
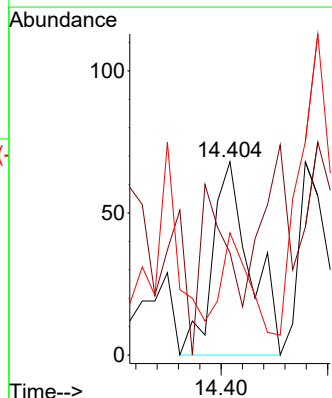
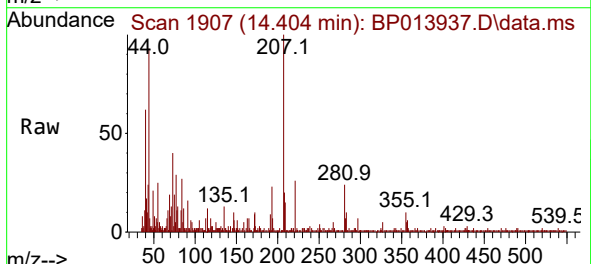
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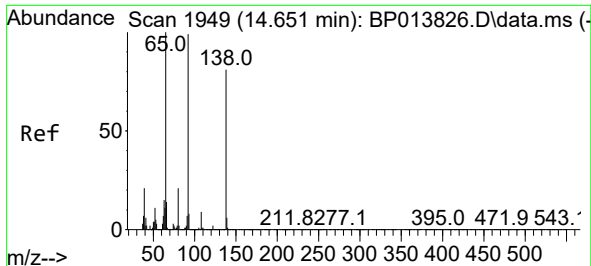
Tgt Ion: 65 Resp: 77
Ion Ratio Lower Upper
65 100
92 39.2 58.7 88.1#
138 39.2 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.005 ng
RT: 14.404 min Scan# 1907
Delta R.T. 0.094 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

Tgt Ion: 165 Resp: 83
Ion Ratio Lower Upper
165 100
63 52.9 42.6 63.8
89 63.2 47.1 70.7

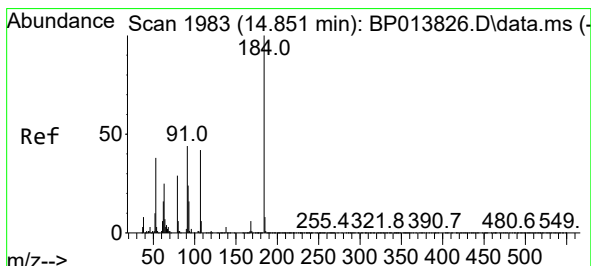
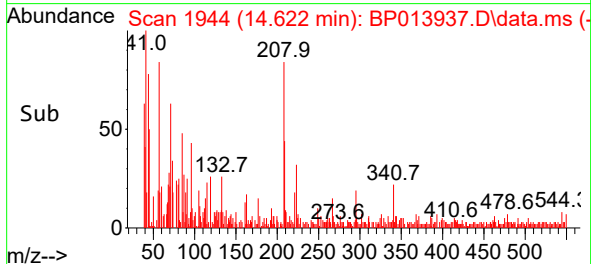
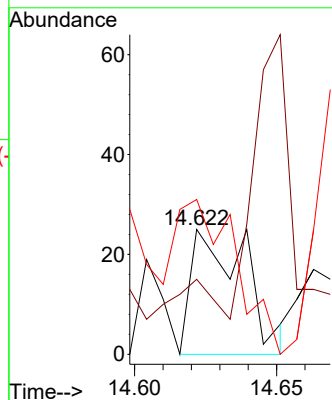
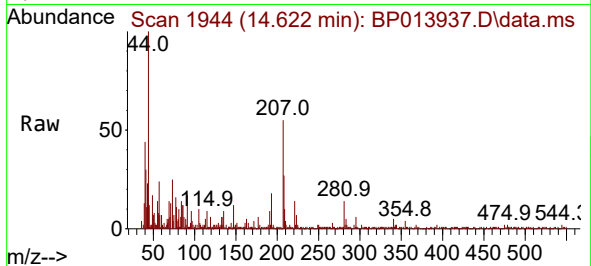




#53
3-Nitroaniline
Concen: 2.015 ng
RT: 14.622 min Scan# 1949
Delta R.T. -0.018 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

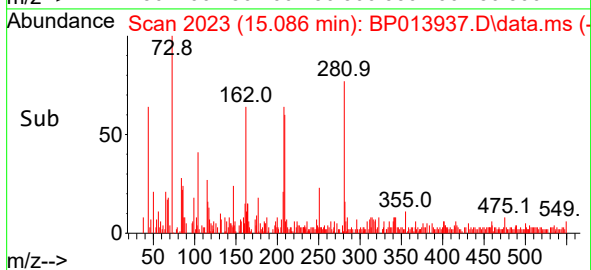
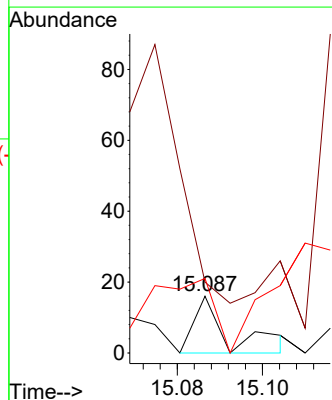
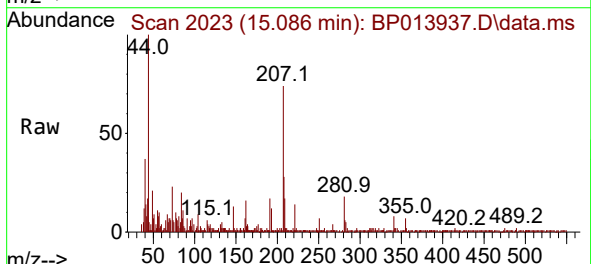
Instrument :
BNA_P
ClientSampleId :
CF-18

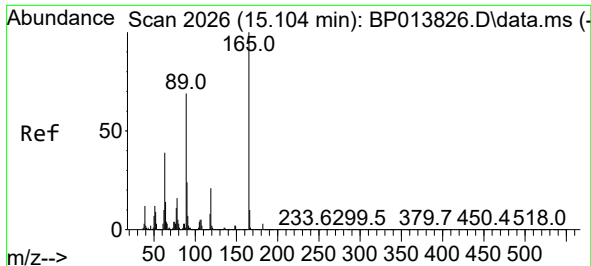
Tgt Ion:138 Resp: 33
Ion Ratio Lower Upper
138 100
108 124.0 9.0 13.4#
92 124.0 97.1 145.7



#54
2,4-Dinitrophenol
Concen: 5.265 ng
RT: 15.086 min Scan# 2023
Delta R.T. 0.247 min
Lab File: BP013937.D
Acq: 02 Mar 2023 23:38

Tgt Ion:184 Resp: 10
Ion Ratio Lower Upper
184 100
63 69.0 47.0 70.4
154 72.4 51.5 77.3





#57

2,4-Dinitrotoluene

Concen: 2.300 ng

RT: 15.116 min Scan# 20

Delta R.T. 0.023 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

Instrument :

BNA_P

ClientSampleId :

CF-18

Tgt Ion:165 Resp: 122

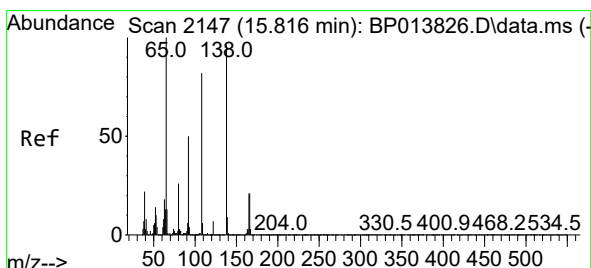
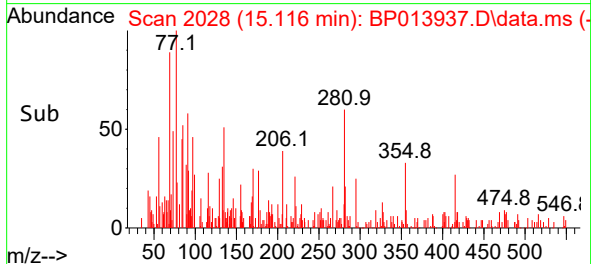
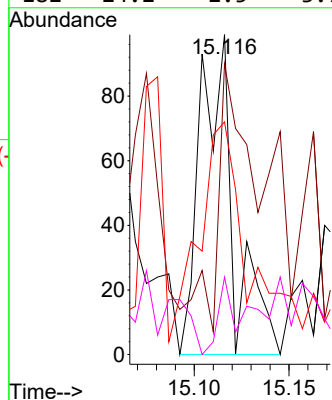
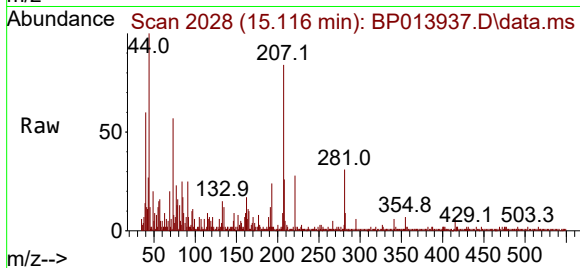
Ion Ratio Lower Upper

165 100

63 90.9 31.1 46.7#

89 72.7 54.9 82.3

182 24.2 2.5 3.7#



#62

4-Nitroaniline

Concen: 2.556 ng

RT: 15.804 min Scan# 2145

Delta R.T. -0.000 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

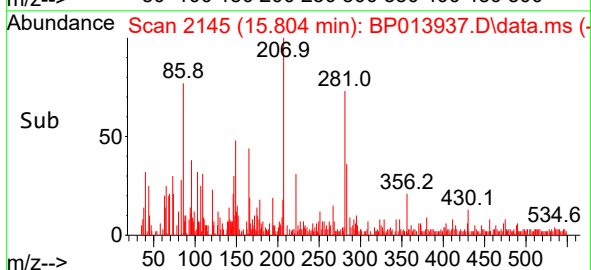
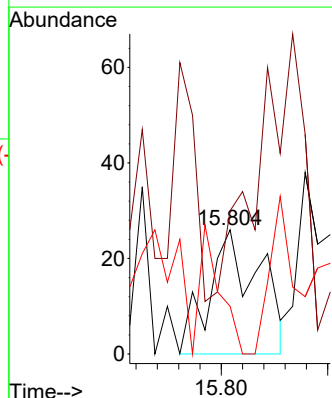
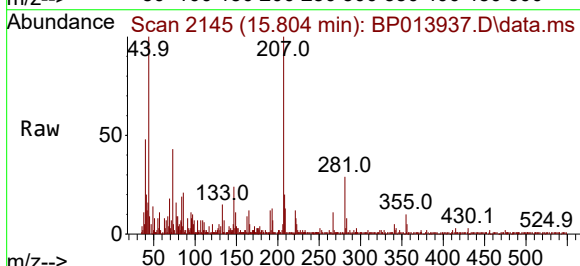
Tgt Ion:138 Resp: 43

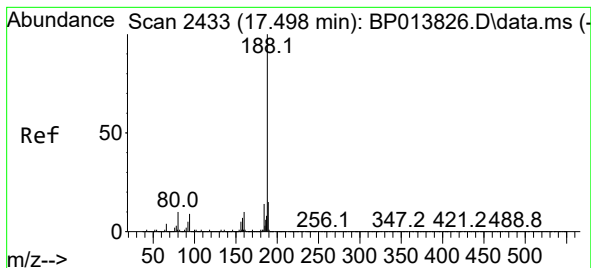
Ion Ratio Lower Upper

138 100

92 115.4 32.0 72.0#

108 38.5 65.6 105.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.486 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

Instrument :

BNA_P

ClientSampleId :

CF-18

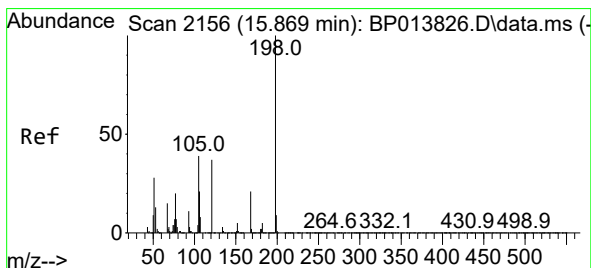
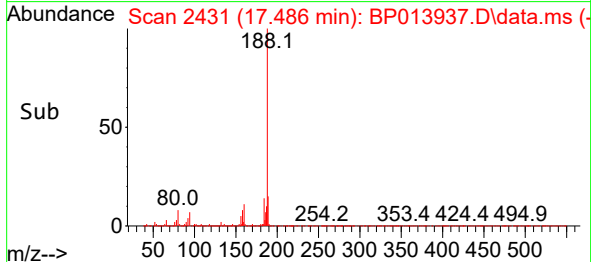
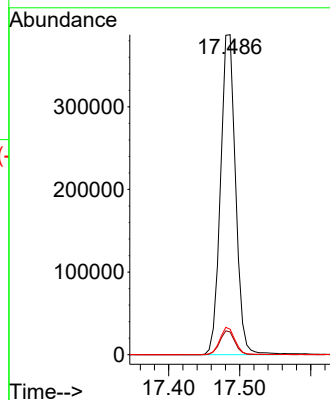
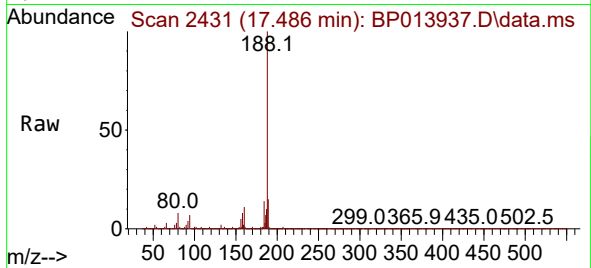
Tgt Ion:188 Resp: 568014

Ion Ratio Lower Upper

188 100

94 7.1 7.0 10.6

80 7.9 7.8 11.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.624 ng

RT: 15.857 min Scan# 2154

Delta R.T. -0.000 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

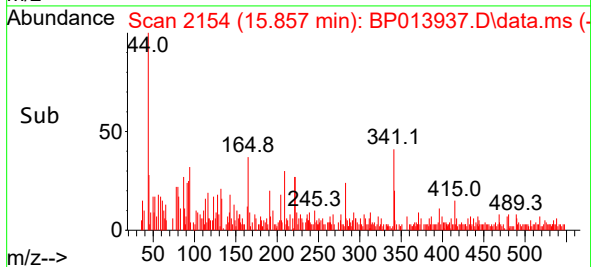
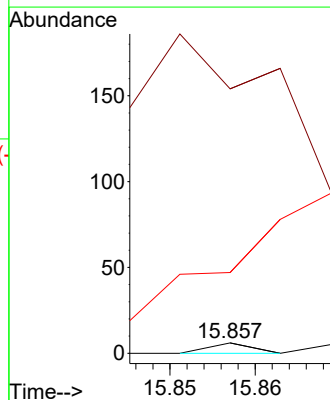
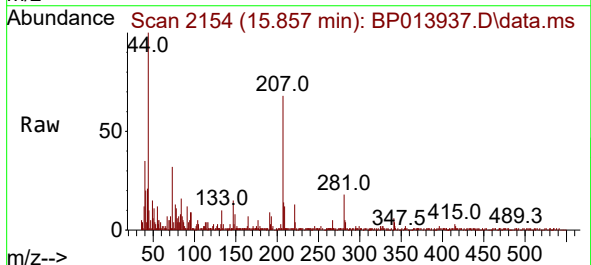
Tgt Ion:198 Resp: 2

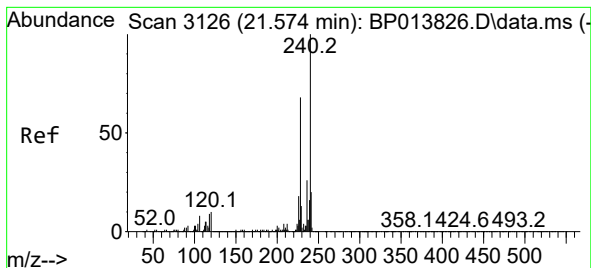
Ion Ratio Lower Upper

198 100

51 2566.7 14.3 54.3#

105 783.3 20.5 60.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.563 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

Instrument :

BNA_P

ClientSampleId :

CF-18

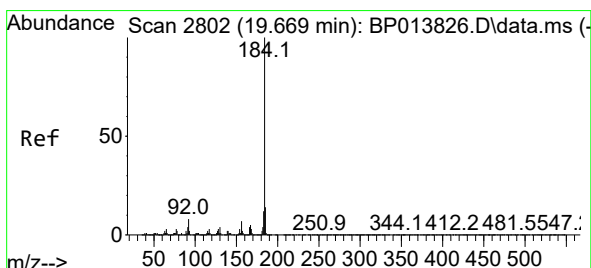
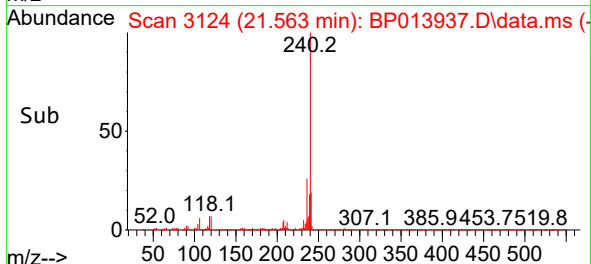
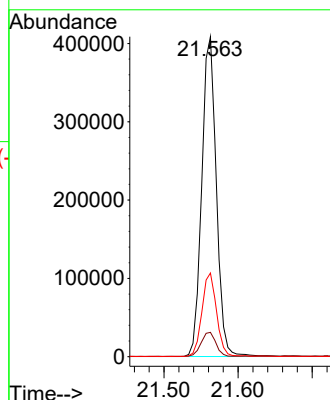
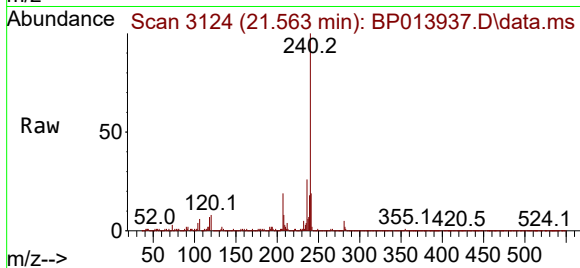
Tgt Ion:240 Resp: 557652

Ion Ratio Lower Upper

240 100

120 7.6 7.9 11.9#

236 26.1 20.9 31.3



#77

Benzidine

Concen: 2.298 ng

RT: 19.657 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

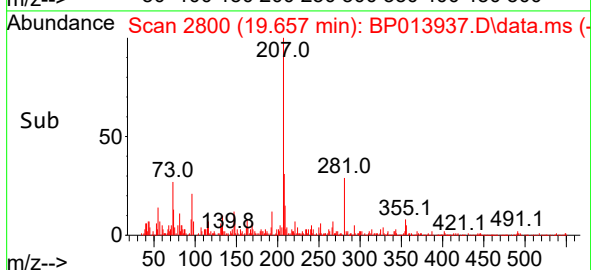
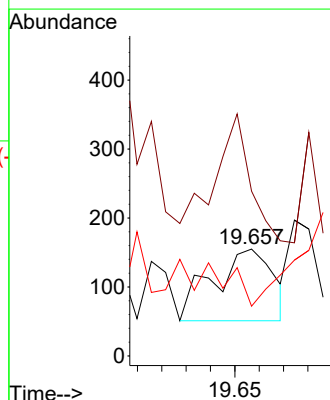
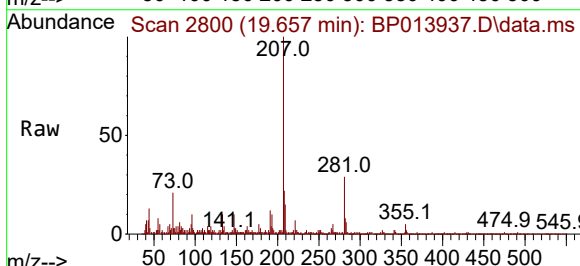
Tgt Ion:184 Resp: 179

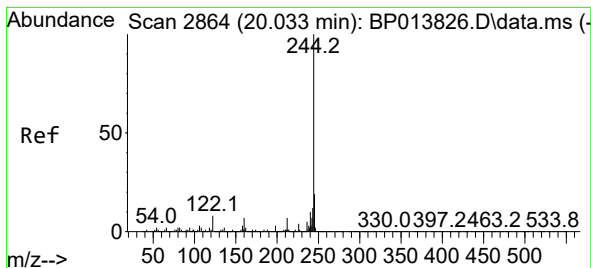
Ion Ratio Lower Upper

184 100

185 154.2 11.4 17.0#

183 46.5 9.6 14.4#





#79

Terphenyl-d14

Concen: 73.076 ng

RT: 20.016 min Scan# 2118032

Delta R.T. -0.006 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

Instrument :

BNA_P

ClientSampleId :

CF-18

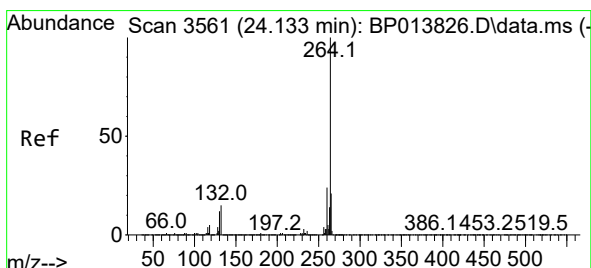
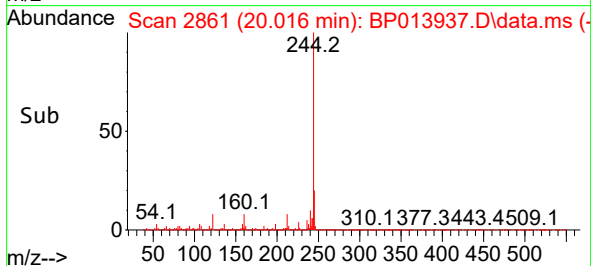
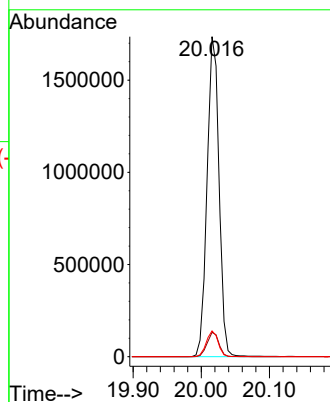
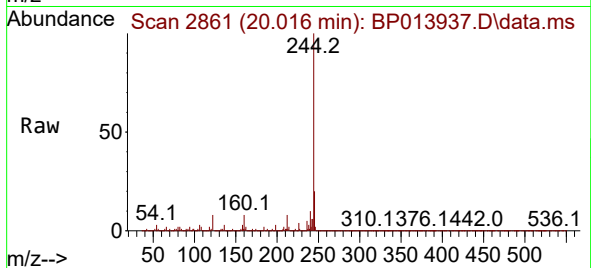
Tgt Ion:244 Resp: 2118032

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 8.0 6.7 10.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.110 min Scan# 3557

Delta R.T. -0.000 min

Lab File: BP013937.D

Acq: 02 Mar 2023 23:38

Tgt Ion:264 Resp: 631841

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

265 22.6 17.6 26.4

