

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030223\
 Data File : BP013935.D
 Acq On : 02 Mar 2023 22:30
 Operator : CG/JU
 Sample : 01749-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CF-12

Quant Time: Mar 03 02:42:18 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)

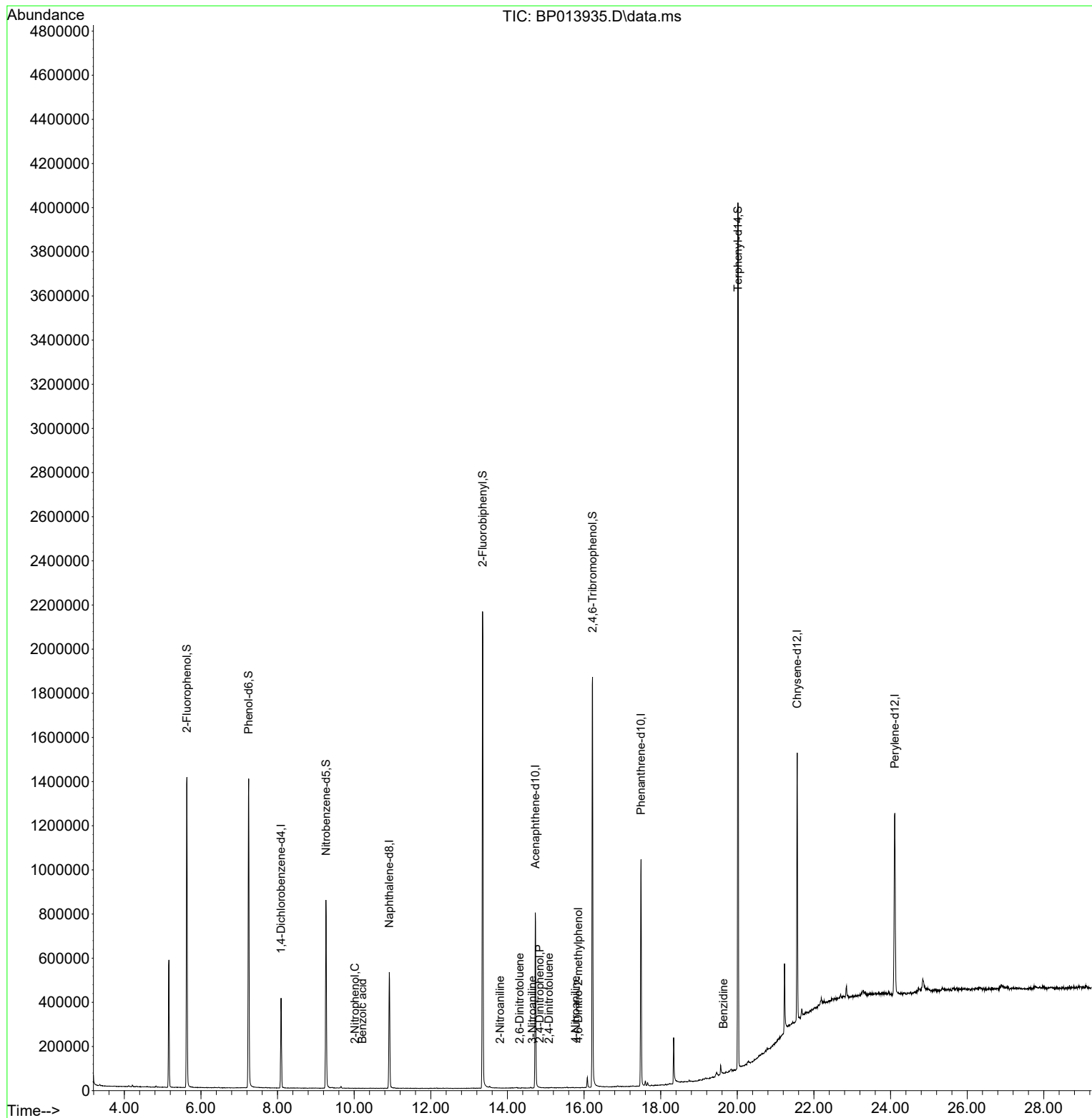
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	106961	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	424615	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	273815	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	632475	20.000	ng	0.00
76) Chrysene-d12	21.563	240	602786	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	695168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	589897	90.894	ng	0.00
7) Phenol-d6	7.246	99	782966	94.199	ng	0.00
23) Nitrobenzene-d5	9.263	82	497374	63.253	ng	0.00
42) 2,4,6-Tribromophenol	16.222	330	368855	92.541	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	1121677	53.806	ng	0.00
79) Terphenyl-d14	20.016	244	1839118	58.702	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.016	139	17	2.772	ng	# 72
32) Benzoic acid	10.210	122	17	5.078	ng	# 1
48) 2-Nitroaniline	13.810	65	40	3.238	ng	# 52
51) 2,6-Dinitrotoluene	14.316	165	77	2.003	ng	# 67
53) 3-Nitroaniline	14.645	138	8	2.009	ng	# 1
54) 2,4-Dinitrophenol	14.839	184	28	5.270	ng	# 78
57) 2,4-Dinitrotoluene	15.081	165	12	2.283	ng	# 1
62) 4-Nitroaniline	15.775	138	5	2.548	ng	87
65) 4,6-Dinitro-2-methylph...	15.851	198	10	4.626	ng	# 1
77) Benzidine	19.639	184	182	2.297	ng	# 1

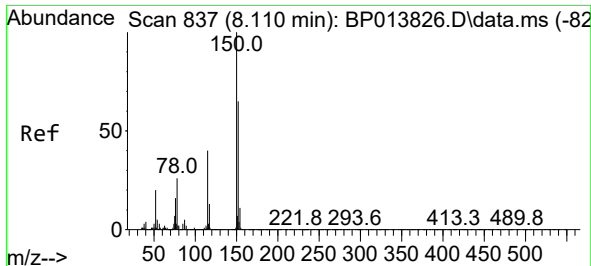
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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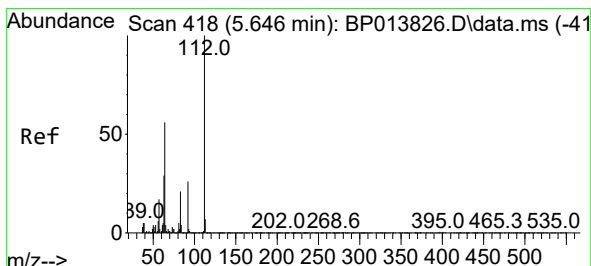
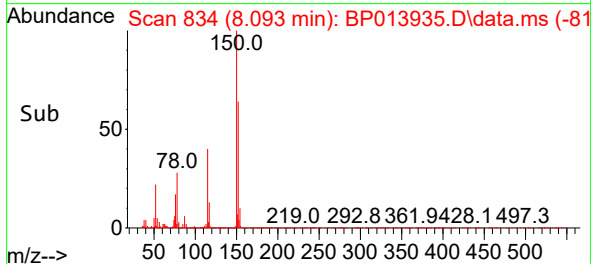
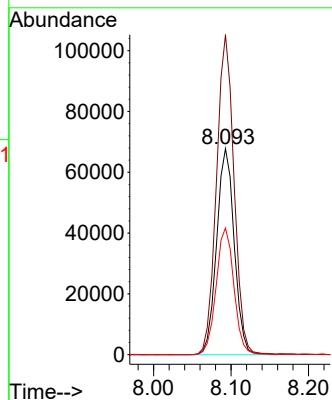
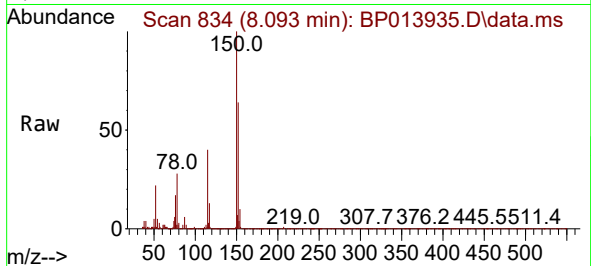




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

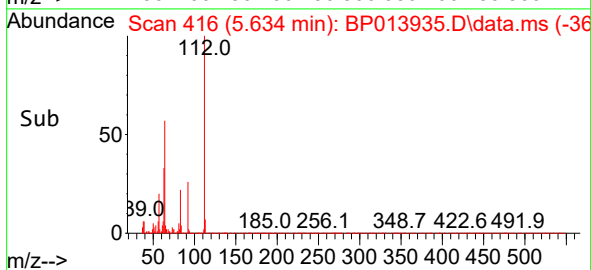
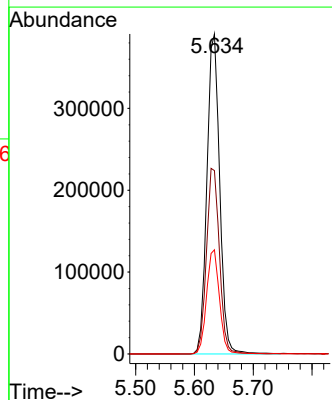
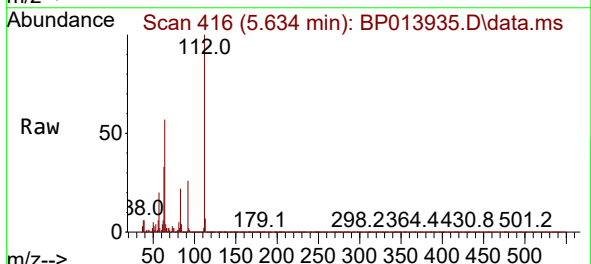
Instrument :
BNA_P
ClientSampleId :
CF-12

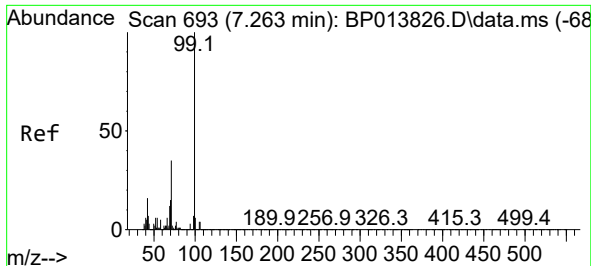
Tgt Ion:152 Resp: 106961
Ion Ratio Lower Upper
152 100
150 155.3 122.8 184.2
115 61.5 49.0 73.6



#5
2-Fluorophenol
Concen: 90.894 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

Tgt Ion:112 Resp: 589897
Ion Ratio Lower Upper
112 100
64 57.3 44.6 66.8
63 32.6 23.6 35.4

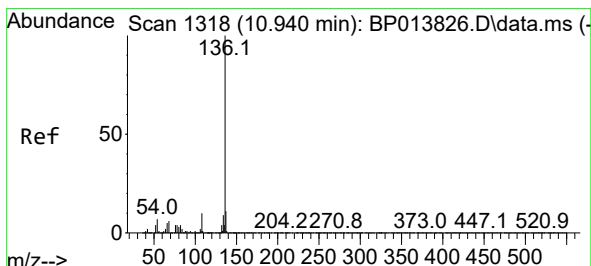
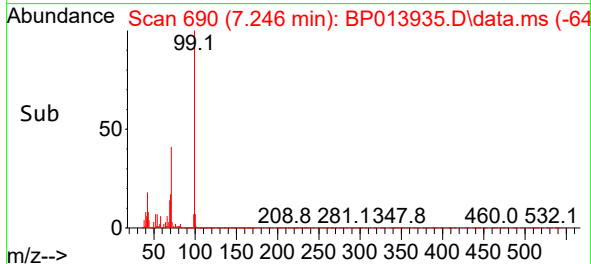
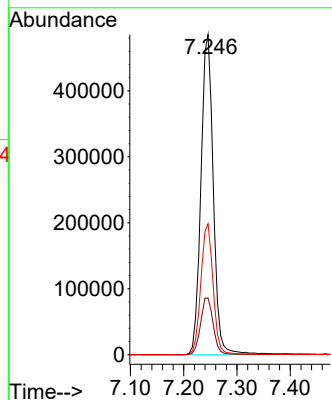
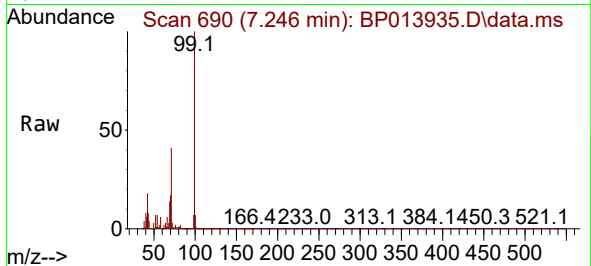




#7
Phenol-d6
Concen: 94.199 ng
RT: 7.246 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

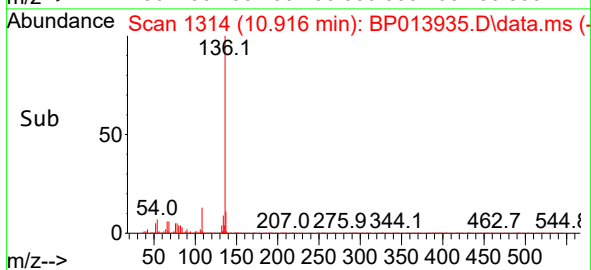
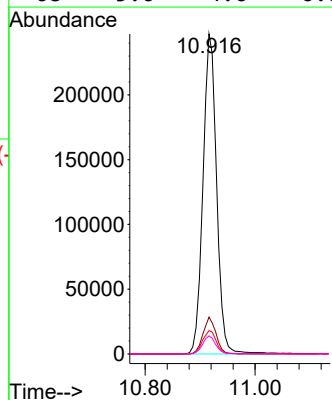
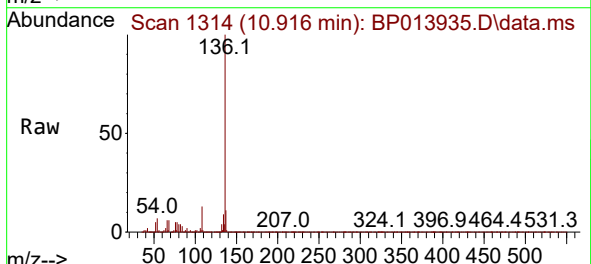
Instrument :
BNA_P
ClientSampleId :
CF-12

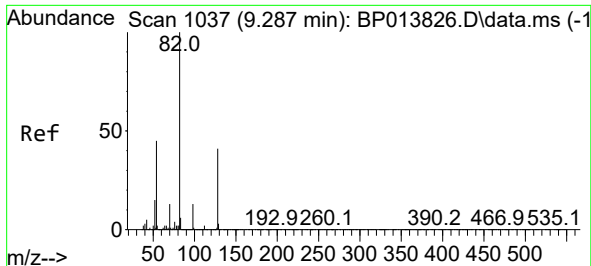
Tgt Ion: 99 Resp: 782966
Ion Ratio Lower Upper
99 100
42 17.7 12.5 18.7
71 40.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

Tgt Ion: 136 Resp: 424615
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 7.3 5.8 8.6
68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 63.253 ng

RT: 9.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013935.D

Acq: 02 Mar 2023 22:30

Instrument :

BNA_P

ClientSampleId :

CF-12

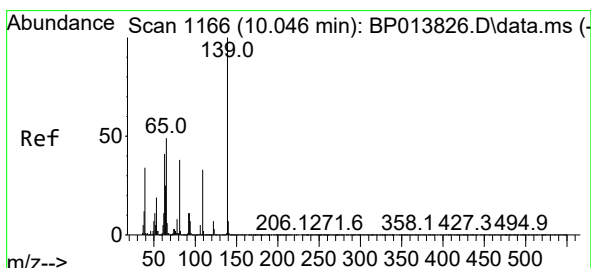
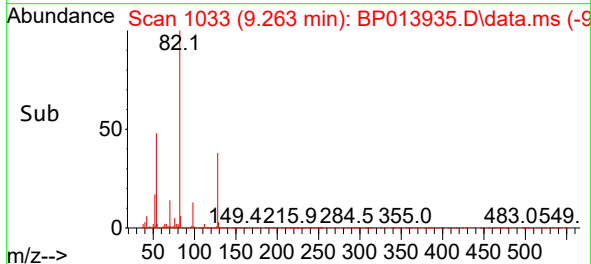
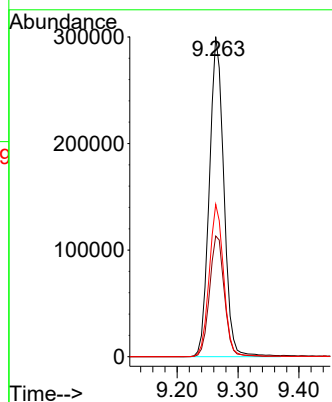
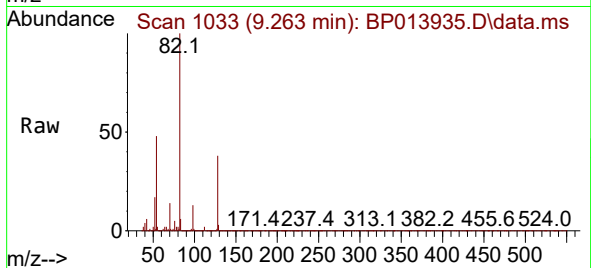
Tgt Ion: 82 Resp: 497374

Ion Ratio Lower Upper

82 100

128 37.7 32.9 49.3

54 47.6 35.6 53.4



#26

2-Nitrophenol

Concen: 2.772 ng

RT: 10.016 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BP013935.D

Acq: 02 Mar 2023 22:30

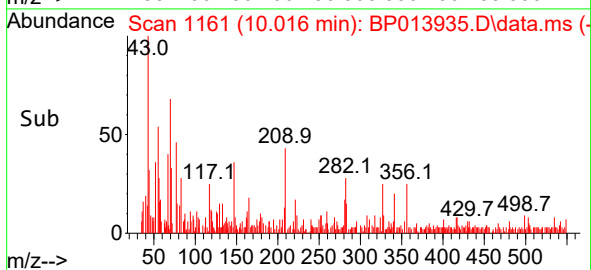
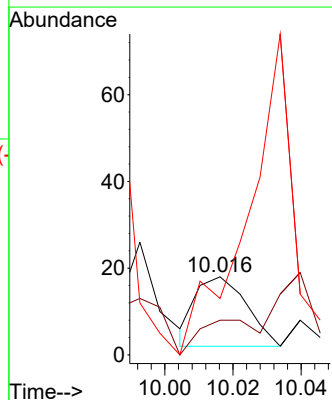
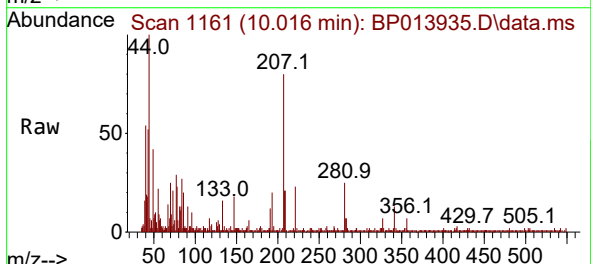
Tgt Ion:139 Resp: 17

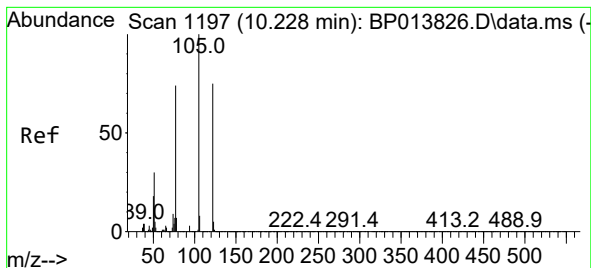
Ion Ratio Lower Upper

139 100

109 44.4 26.7 40.1#

65 72.2 39.4 59.2#





#32

Benzoic acid

Concen: 5.078 ng

RT: 10.210 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BP013935.D

Acq: 02 Mar 2023 22:30

Instrument :

BNA_P

ClientSampleId :

CF-12

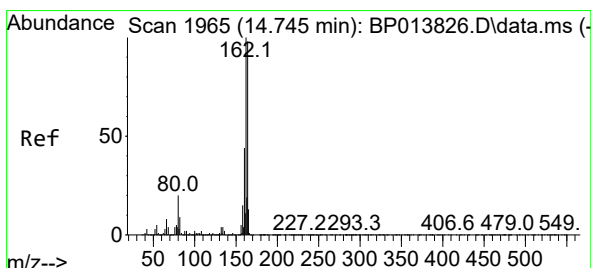
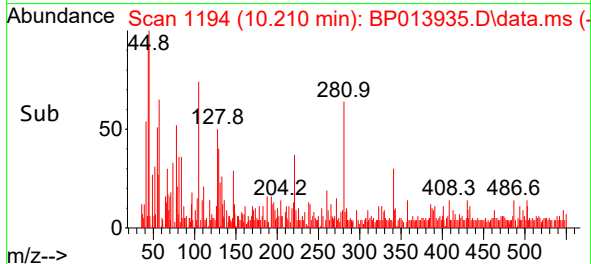
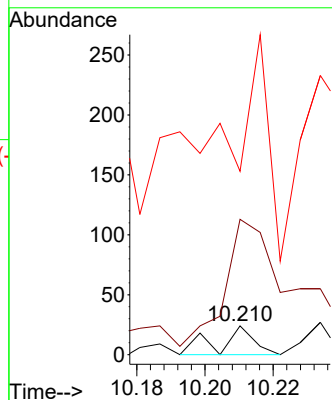
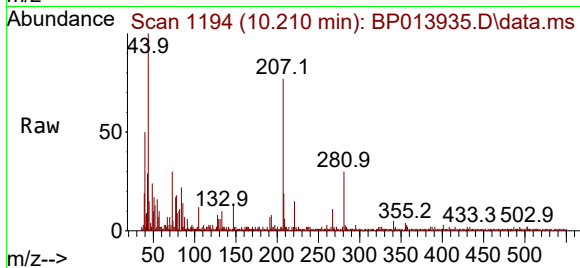
Tgt Ion:122 Resp: 17

Ion Ratio Lower Upper

122 100

105 470.8 107.4 147.4#

77 637.5 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: BP013935.D

Acq: 02 Mar 2023 22:30

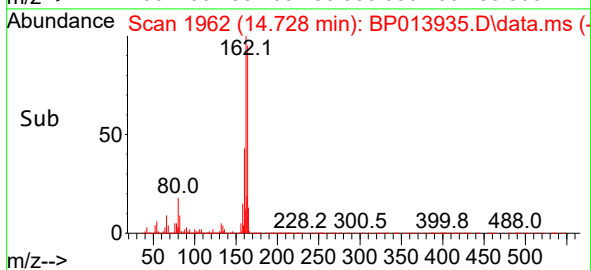
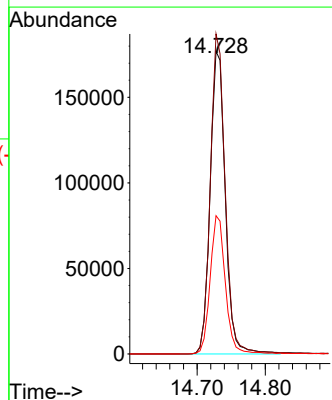
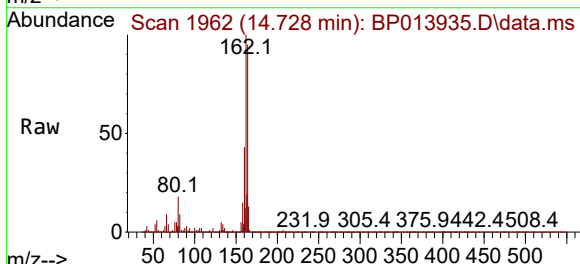
Tgt Ion:164 Resp: 273815

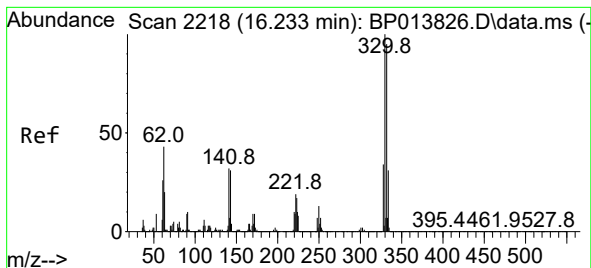
Ion Ratio Lower Upper

164 100

162 105.7 81.7 122.5

160 45.7 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 92.541 ng

RT: 16.222 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013935.D

Acq: 02 Mar 2023 22:30

Instrument :

BNA_P

ClientSampleId :

CF-12

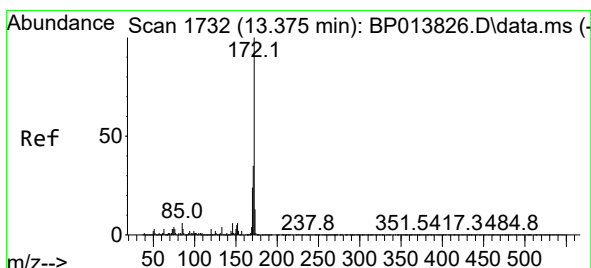
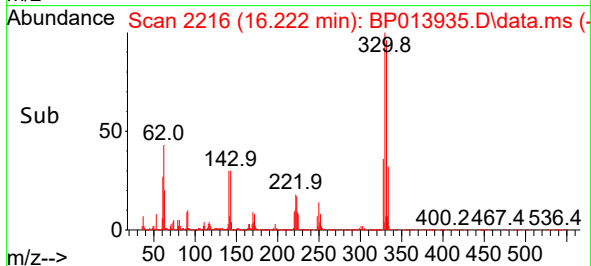
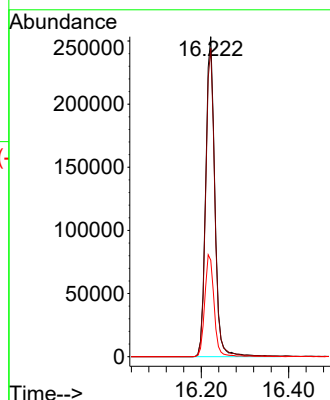
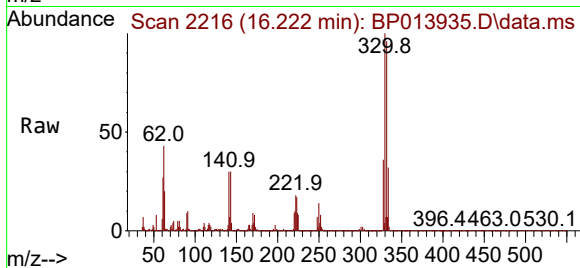
Tgt Ion:330 Resp: 368855

Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 32.6 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 53.806 ng

RT: 13.351 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BP013935.D

Acq: 02 Mar 2023 22:30

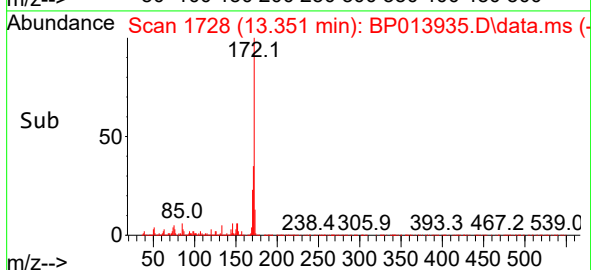
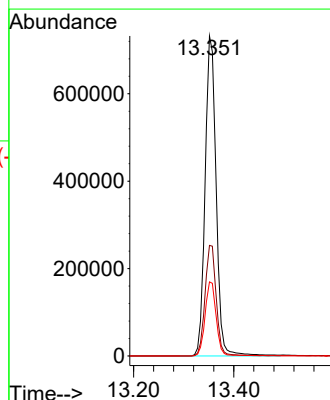
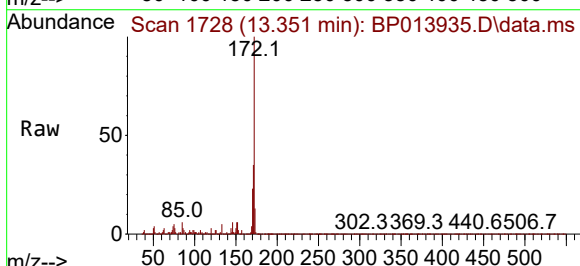
Tgt Ion:172 Resp: 1121677

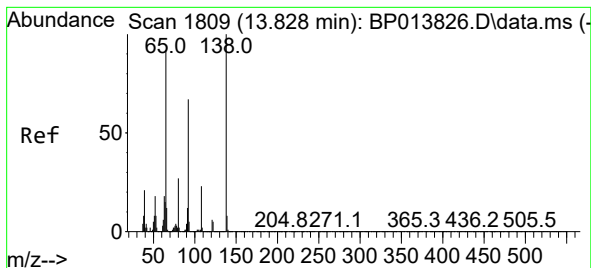
Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 23.2 19.0 28.4

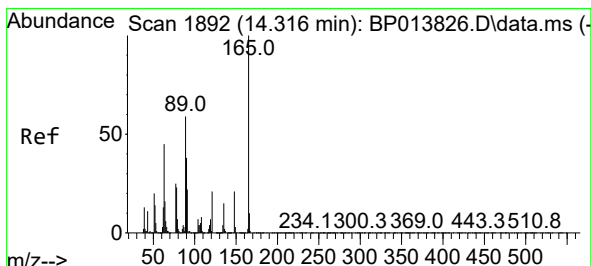
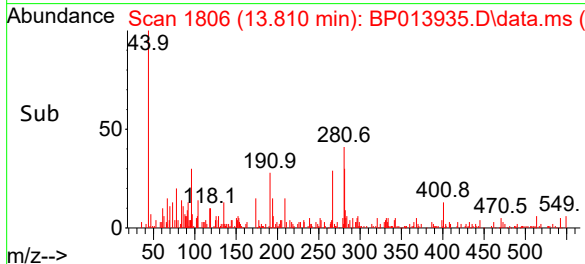
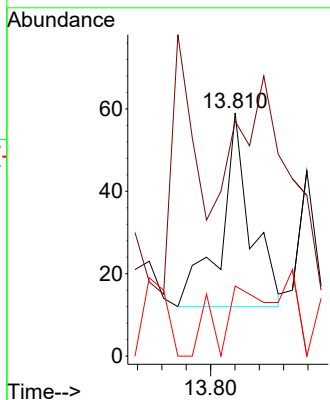
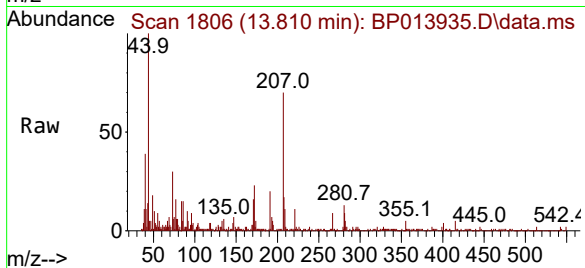




#48
2-Nitroaniline
Concen: 3.238 ng
RT: 13.810 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

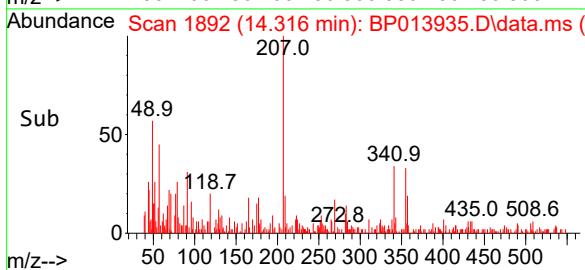
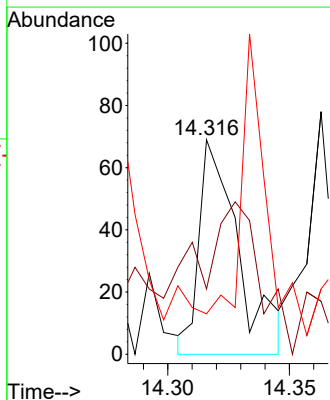
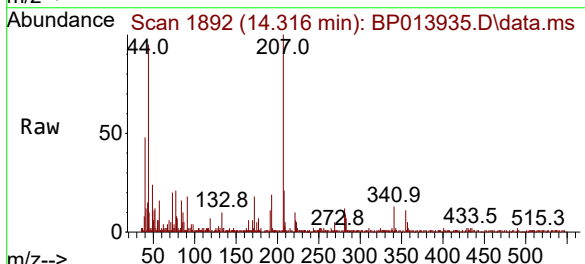
Instrument :
BNA_P
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CF-12

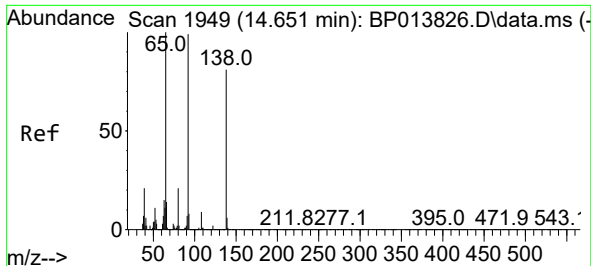
Tgt Ion: 65 Resp: 40
Ion Ratio Lower Upper
65 100
92 96.6 58.7 88.1#
138 44.1 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.003 ng
RT: 14.316 min Scan# 1892
Delta R.T. 0.006 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

Tgt Ion: 165 Resp: 77
Ion Ratio Lower Upper
165 100
63 46.4 42.6 63.8
89 18.8 47.1 70.7#

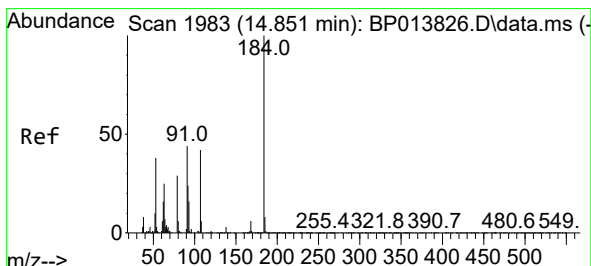
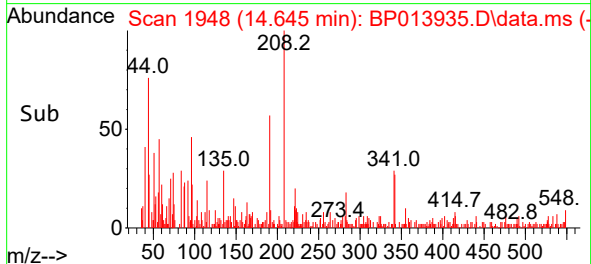
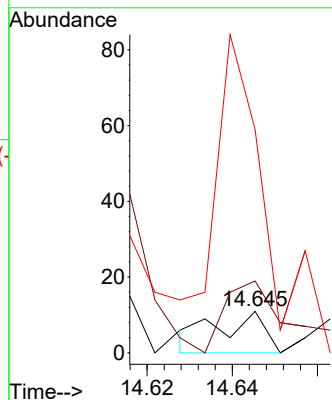
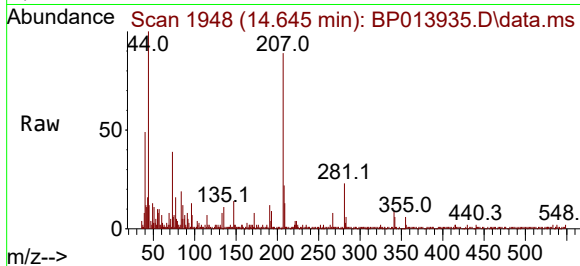




#53
3-Nitroaniline
Concen: 2.009 ng
RT: 14.645 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

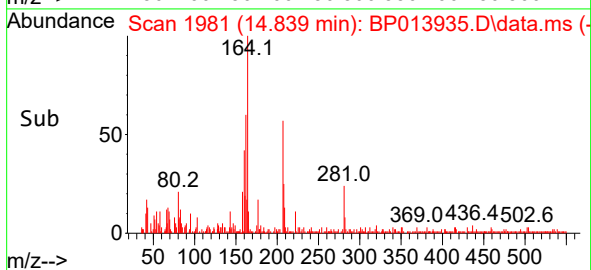
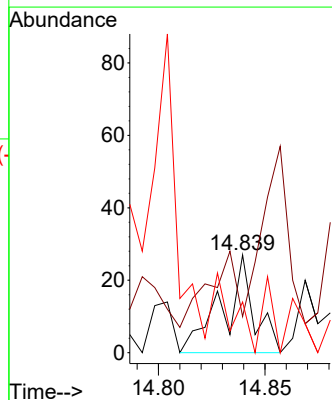
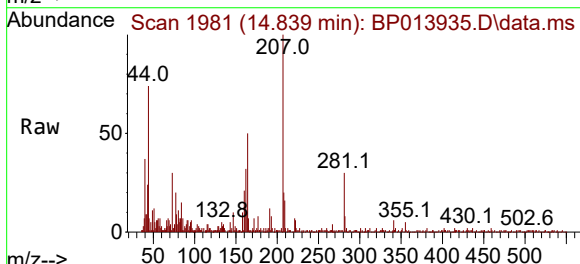
Instrument :
BNA_P
ClientSampleId :
CF-12

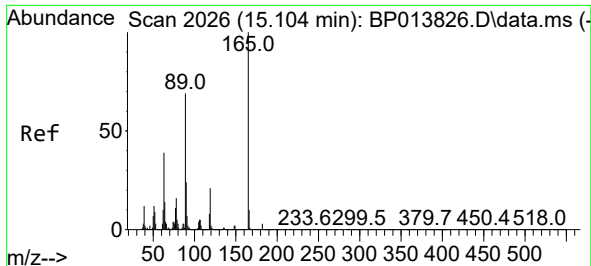
Tgt Ion:138 Resp: 8
Ion Ratio Lower Upper
138 100
108 172.7 9.0 13.4#
92 536.4 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.270 ng
RT: 14.839 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

Tgt Ion:184 Resp: 28
Ion Ratio Lower Upper
184 100
63 37.0 47.0 70.4#
154 51.9 51.5 77.3

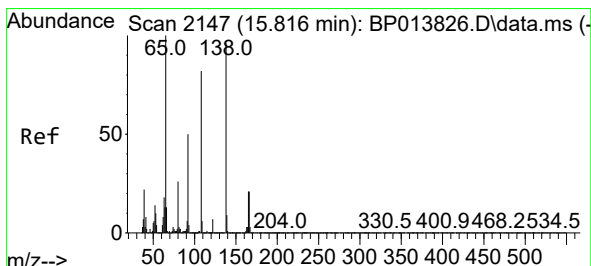
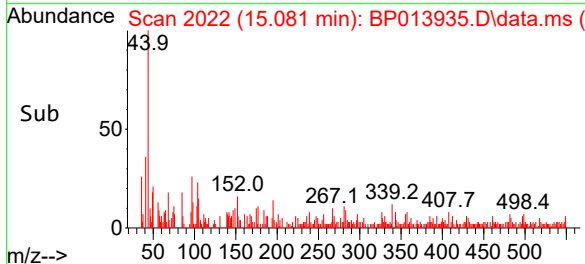
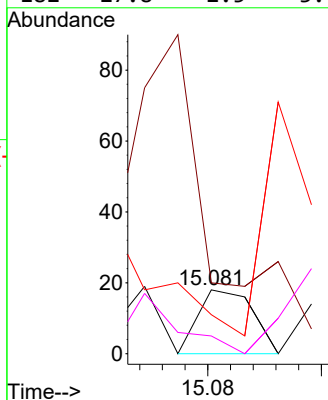
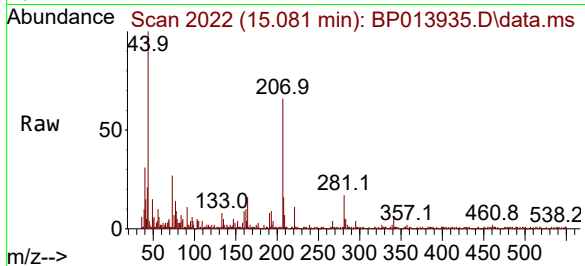




#57
2,4-Dinitrotoluene
Concen: 2.283 ng
RT: 15.081 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

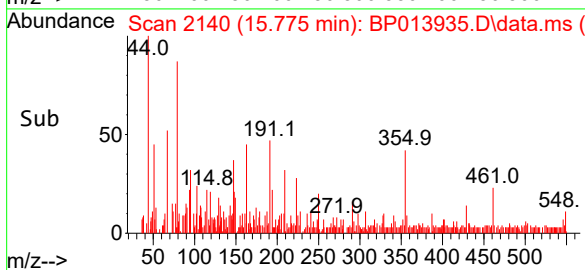
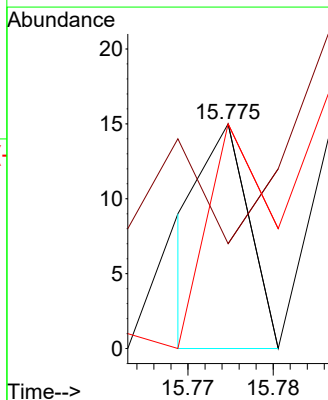
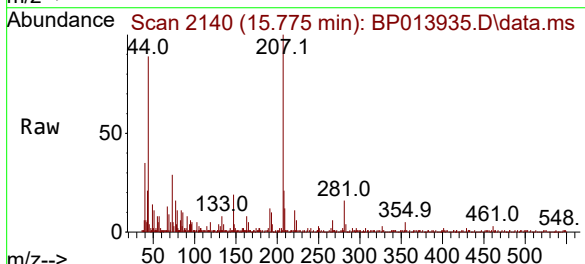
Instrument :
BNA_P
ClientSampleId :
CF-12

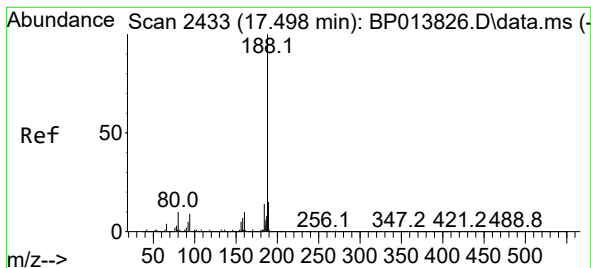
Tgt Ion:165 Resp: 12
Ion Ratio Lower Upper
165 100
63 111.1 31.1 46.7#
89 155.6 54.9 82.3#
182 27.8 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.548 ng
RT: 15.775 min Scan# 2140
Delta R.T. -0.029 min
Lab File: BP013935.D
Acq: 02 Mar 2023 22:30

Tgt Ion:138 Resp: 5
Ion Ratio Lower Upper
138 100
92 46.7 32.0 72.0
108 100.0 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: BP013935.D

Acq: 02 Mar 2023 22:30

Instrument :

BNA_P

ClientSampleId :

CF-12

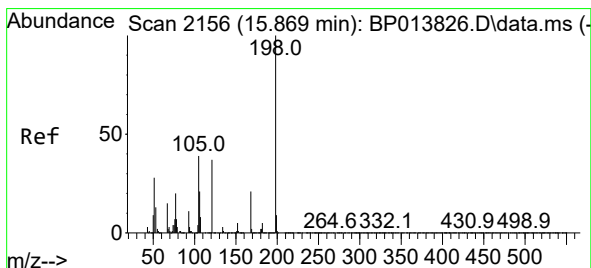
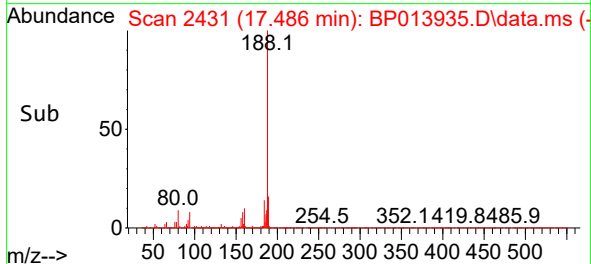
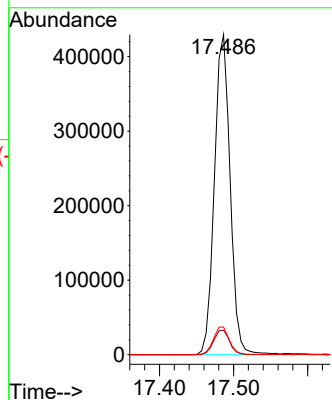
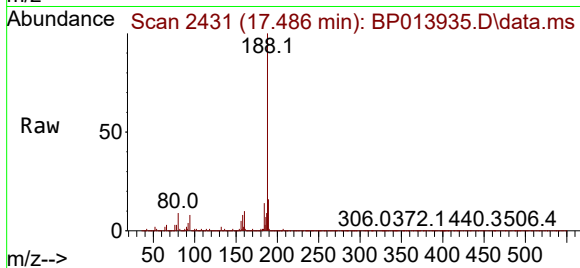
Tgt Ion:188 Resp: 632475

Ion Ratio Lower Upper

188 100

94 7.6 7.0 10.6

80 8.7 7.8 11.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.626 ng

RT: 15.851 min Scan# 2153

Delta R.T. -0.006 min

Lab File: BP013935.D

Acq: 02 Mar 2023 22:30

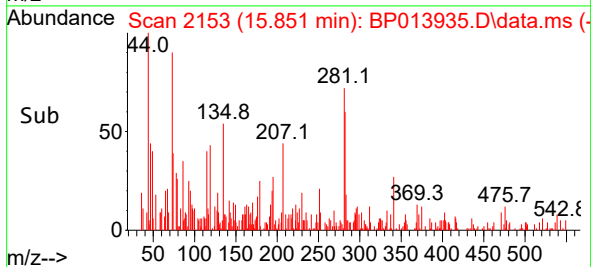
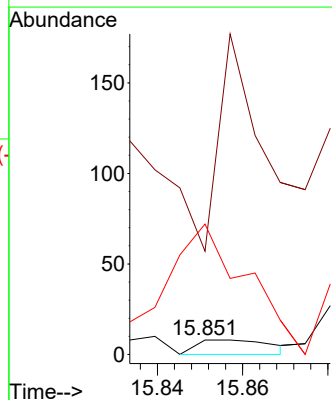
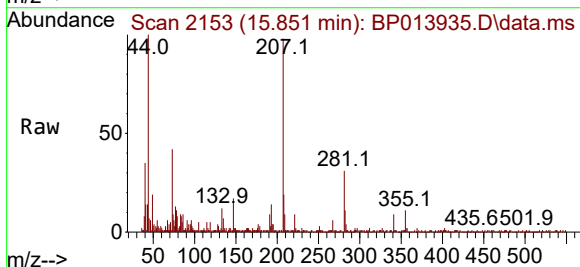
Tgt Ion:198 Resp: 10

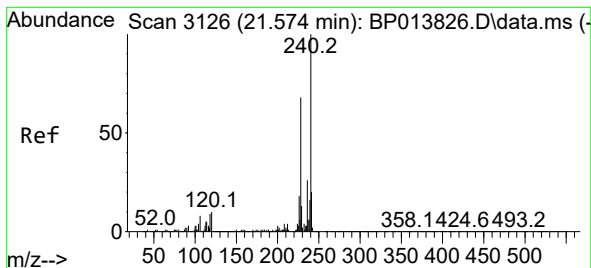
Ion Ratio Lower Upper

198 100

51 712.5 14.3 54.3#

105 900.0 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: BP013935.D

Acq: 02 Mar 2023 22:30

Instrument :

BNA_P

ClientSampleId :

CF-12

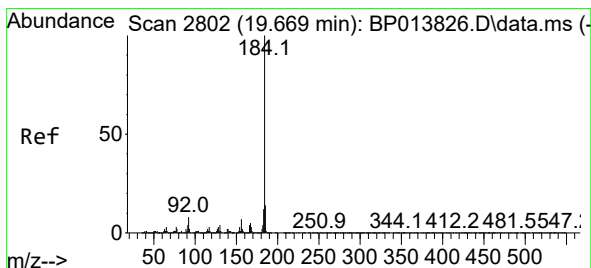
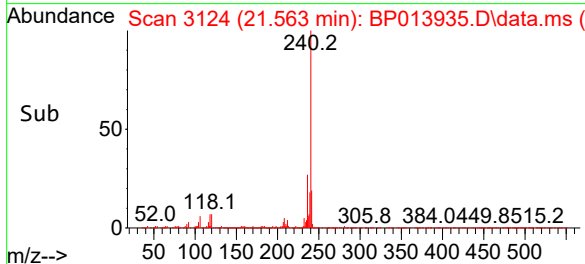
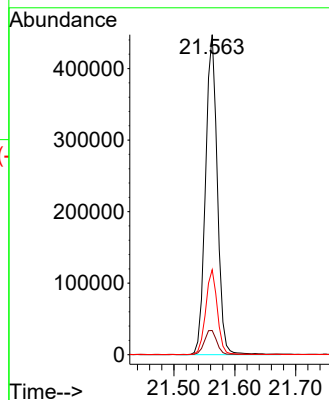
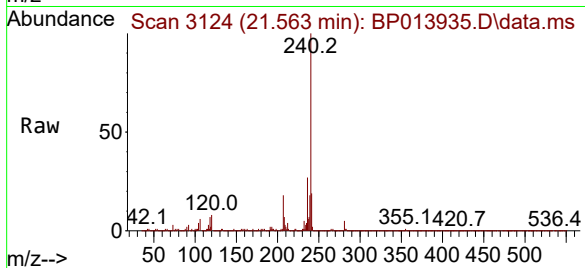
Tgt Ion:240 Resp: 602786

Ion Ratio Lower Upper

240 100

120 7.6 7.9 11.9#

236 26.5 20.9 31.3



#77

Benzidine

Concen: 2.297 ng

RT: 19.639 min Scan# 2797

Delta R.T. -0.018 min

Lab File: BP013935.D

Acq: 02 Mar 2023 22:30

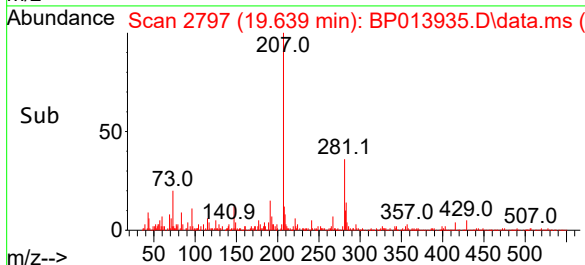
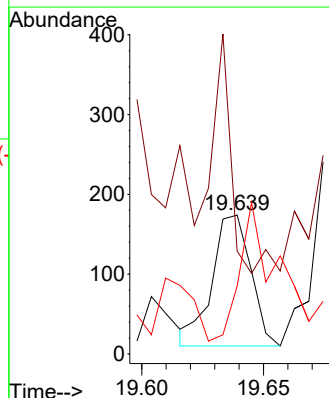
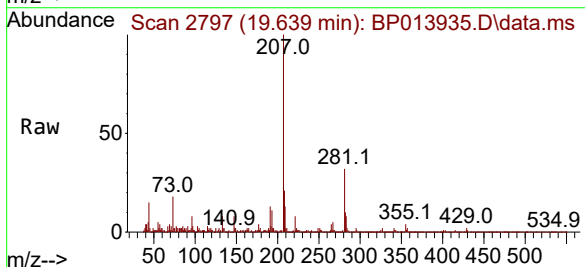
Tgt Ion:184 Resp: 182

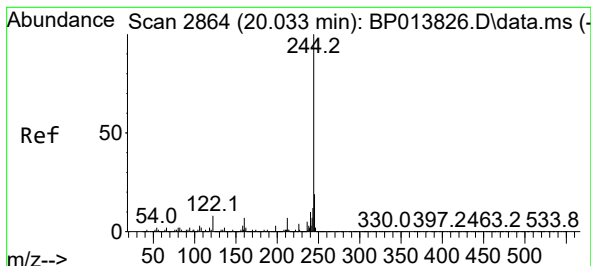
Ion Ratio Lower Upper

184 100

185 74.1 11.4 17.0#

183 48.9 9.6 14.4#





#79

Terphenyl-d14

Concen: 58.702 ng

RT: 20.016 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013935.D

Acq: 02 Mar 2023 22:30

Instrument :

BNA_P

ClientSampleId :

CF-12

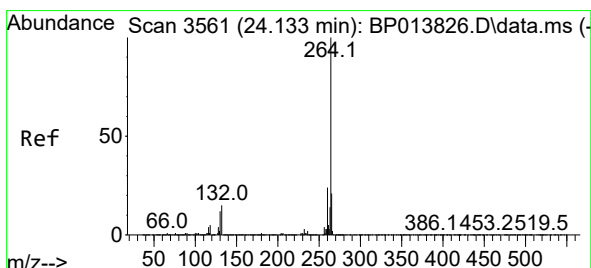
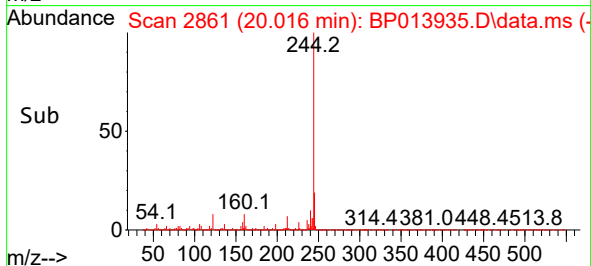
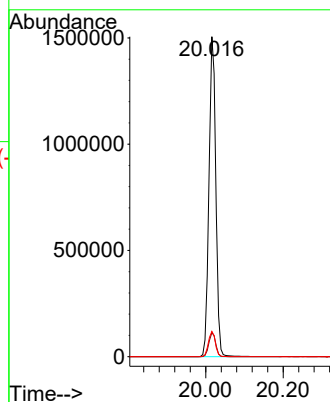
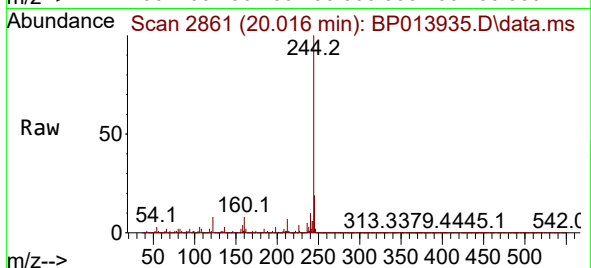
Tgt Ion:244 Resp: 1839118

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 7.9 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: BP013935.D

Acq: 02 Mar 2023 22:30

Tgt Ion:264 Resp: 695168

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

265 22.3 17.6 26.4

