

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
 Data File : BP013946.D
 Acq On : 03 Mar 2023 15:58
 Operator : CG/JU
 Sample : 01759-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DEP-2

Quant Time: Mar 04 00:56:54 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)

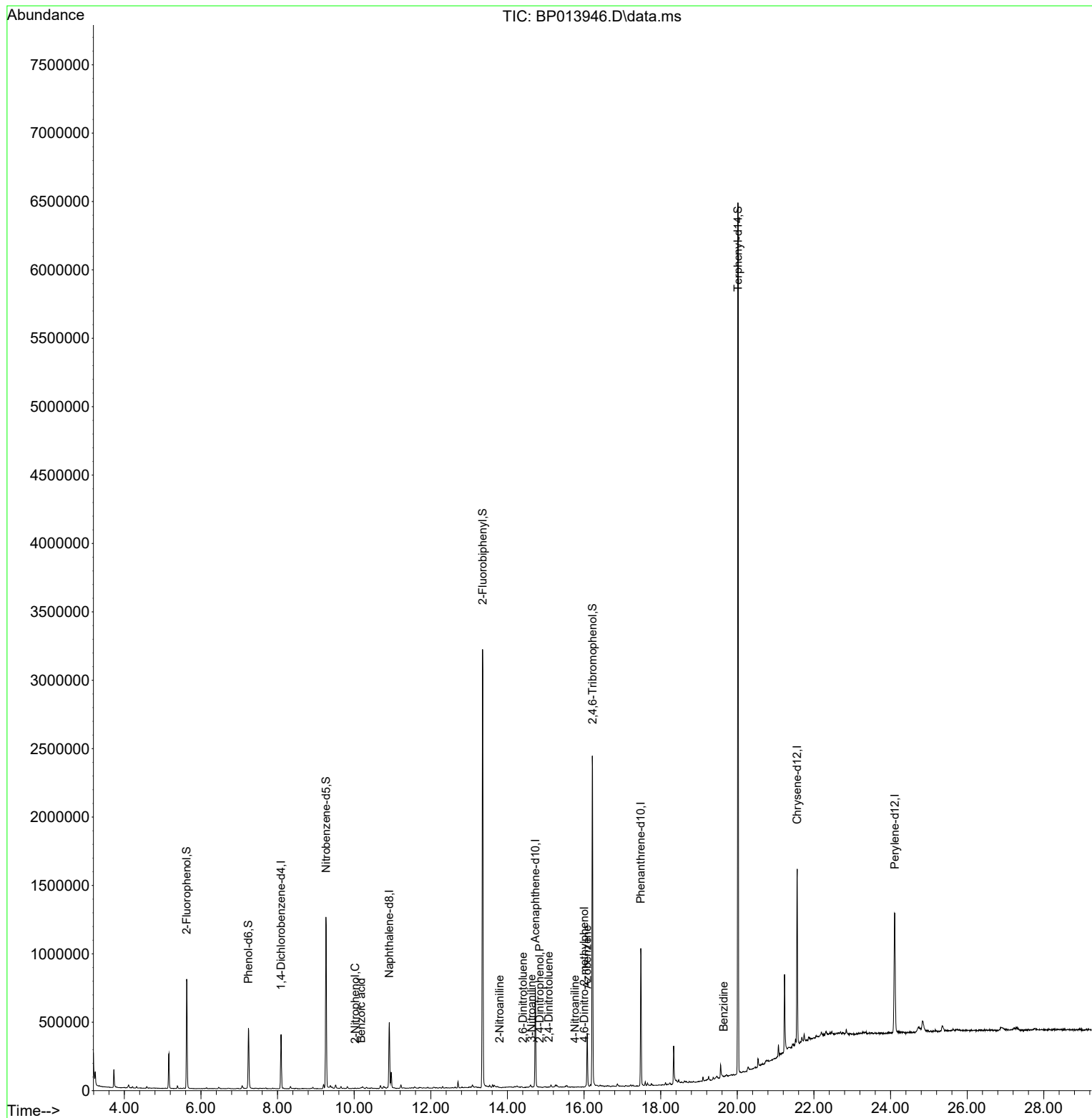
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.092	152	104541	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	381195	20.000	ng	0.00
39) Acenaphthene-d10	14.727	164	251072	20.000	ng	0.00
64) Phenanthrene-d10	17.480	188	597737	20.000	ng	0.00
76) Chrysene-d12	21.562	240	653968	20.000	ng	# 0.00
86) Perylene-d12	24.109	264	755940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	326903	51.537	ng	0.00
7) Phenol-d6	7.240	99	241913	29.778	ng	-0.01
23) Nitrobenzene-d5	9.263	82	719643	101.944	ng	0.00
42) 2,4,6-Tribromophenol	16.221	330	481351	131.705	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	1676115	87.685	ng	0.00
79) Terphenyl-d14	20.015	244	2986058	87.851	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.028	139	133	2.804	ng	# 1
32) Benzoic acid	10.181	122	517	5.178	ng	# 65
48) 2-Nitroaniline	13.798	65	102	3.252	ng	# 36
51) 2,6-Dinitrotoluene	14.404	165	76	2.004	ng	92
53) 3-Nitroaniline	14.627	138	138	2.036	ng	# 28
54) 2,4-Dinitrophenol	14.839	184	37	5.274	ng	# 1
57) 2,4-Dinitrotoluene	15.074	165	302	2.329	ng	# 72
62) 4-Nitroaniline	15.763	138	65	2.560	ng	# 32
63) Azobenzene	16.080	77	112339	6.233	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.004	198	25	4.629	ng	# 1
77) Benzidine	19.645	184	111	2.291	ng	# 1

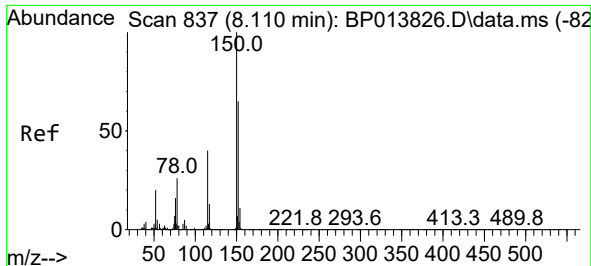
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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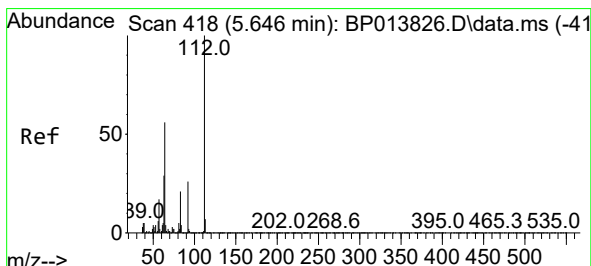
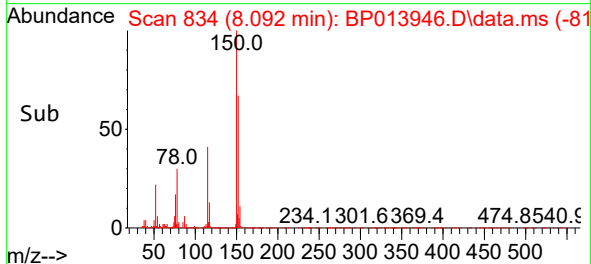
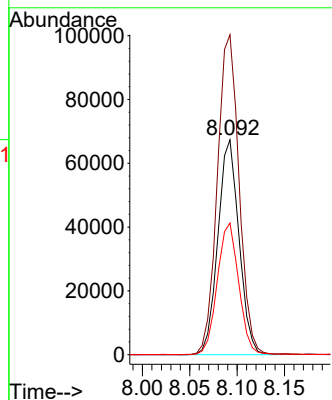
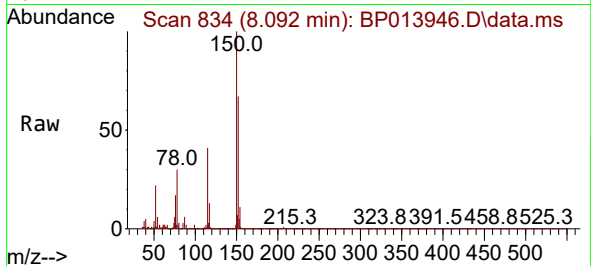




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.092 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

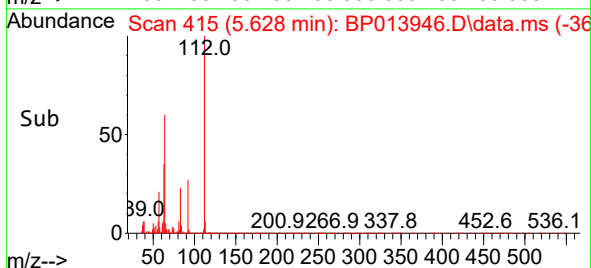
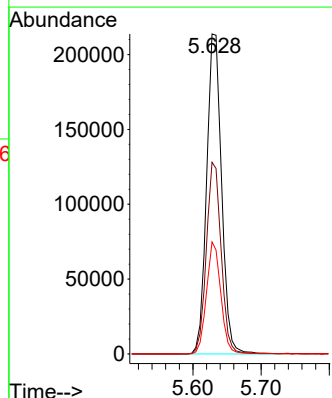
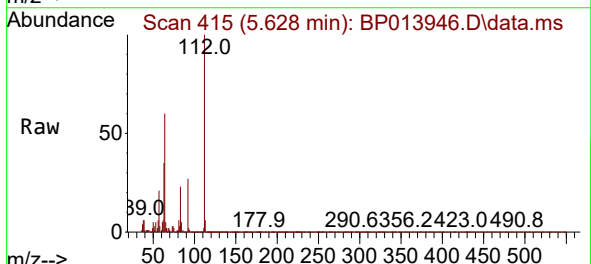
Instrument :
BNA_P
ClientSampleId :
DEP-2

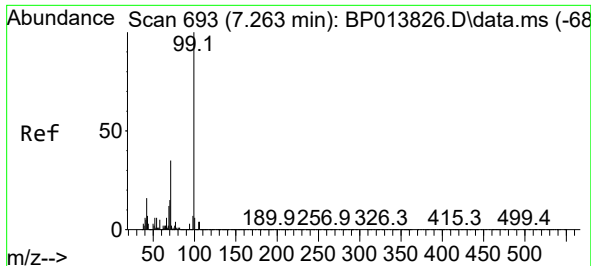
Tgt Ion:152 Resp: 104541
Ion Ratio Lower Upper
152 100
150 148.9 122.8 184.2
115 61.3 49.0 73.6



#5
2-Fluorophenol
Concen: 51.537 ng
RT: 5.628 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

Tgt Ion:112 Resp: 326903
Ion Ratio Lower Upper
112 100
64 59.9 44.6 66.8
63 35.0 23.6 35.4

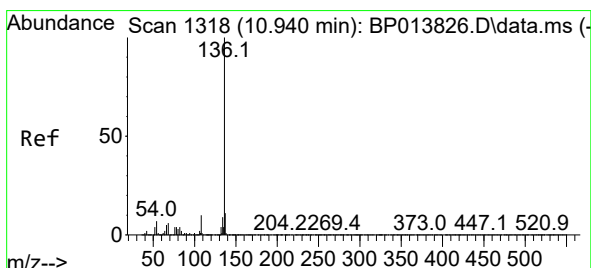
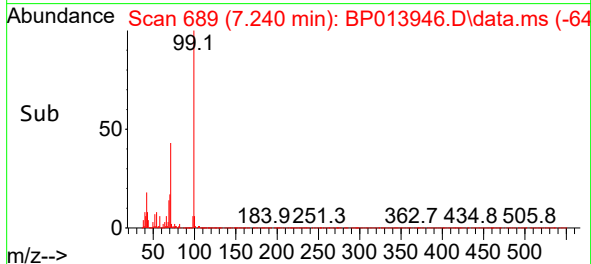
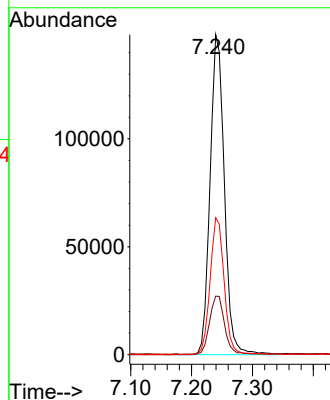
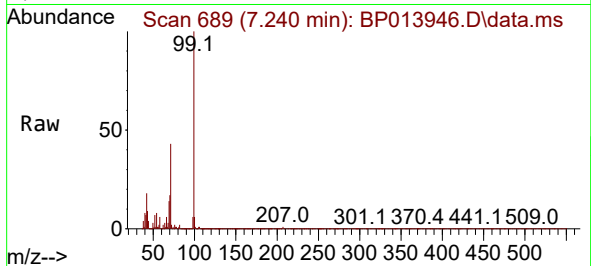




#7
Phenol-d6
Concen: 29.778 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

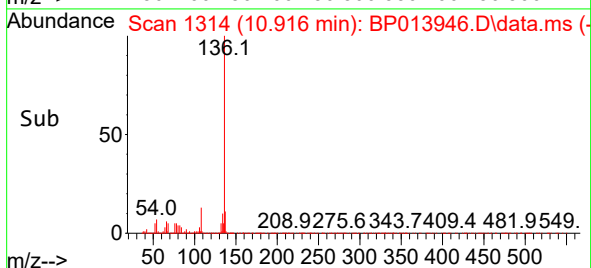
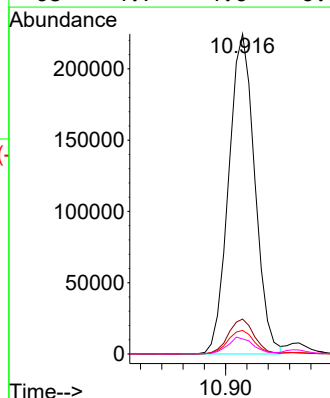
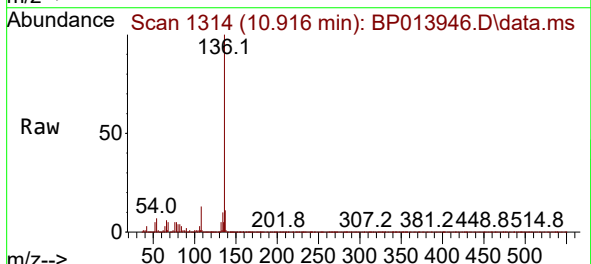
Instrument :
BNA_P
ClientSampleId :
DEP-2

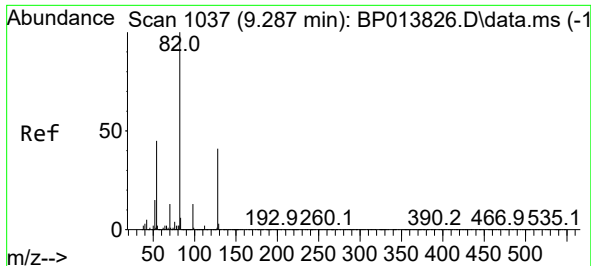
Tgt Ion: 99 Resp: 241913
Ion Ratio Lower Upper
99 100
42 18.3 12.5 18.7
71 42.8 27.8 41.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

Tgt Ion: 136 Resp: 381195
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.4 5.8 8.6
68 4.7 4.6 6.8

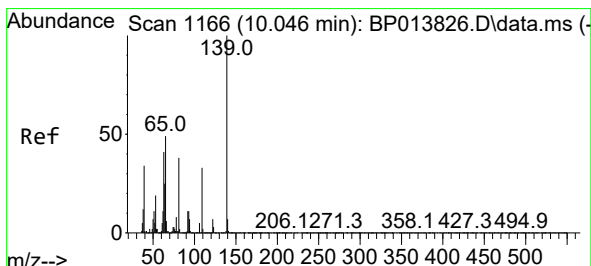
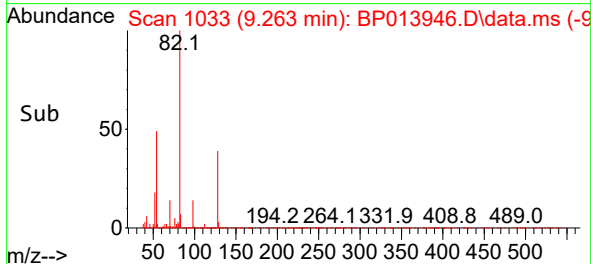
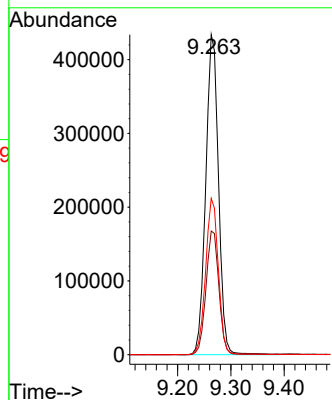
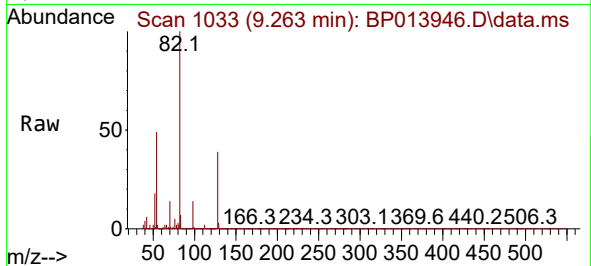




#23
Nitrobenzene-d5
Concen: 101.944 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

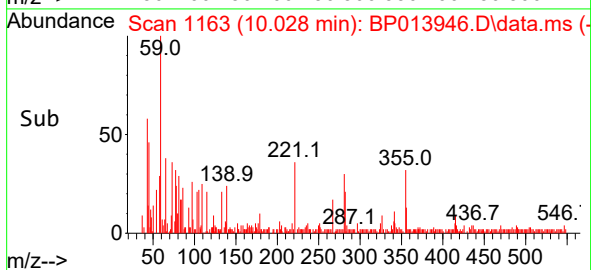
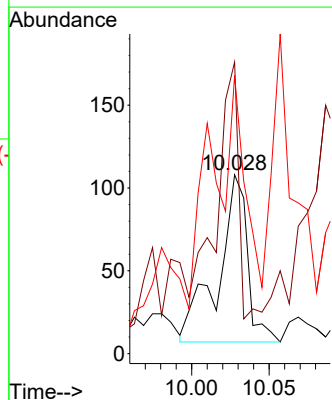
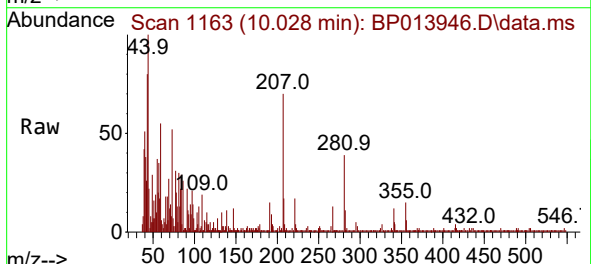
Instrument :
BNA_P
ClientSampleId :
DEP-2

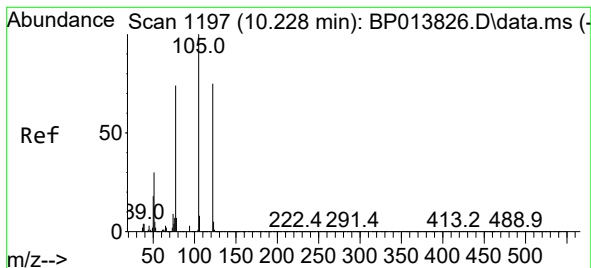
Tgt Ion: 82 Resp: 719643
Ion Ratio Lower Upper
82 100
128 38.6 32.9 49.3
54 48.9 35.6 53.4



#26
2-Nitrophenol
Concen: 2.804 ng
RT: 10.028 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

Tgt Ion:139 Resp: 133
Ion Ratio Lower Upper
139 100
109 163.0 26.7 40.1#
65 155.6 39.4 59.2#





#32

Benzoic acid

Concen: 5.178 ng

RT: 10.181 min Scan# 1189

Delta R.T. -0.030 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

Instrument :

BNA_P

ClientSampleId :

DEP-2

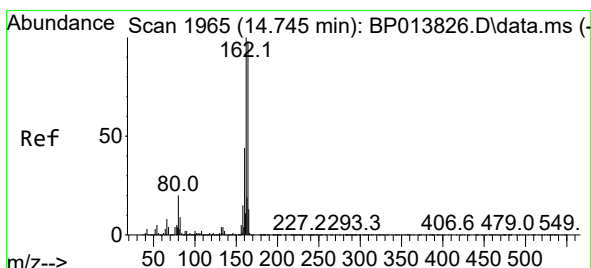
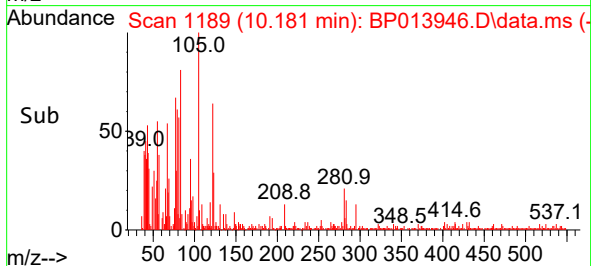
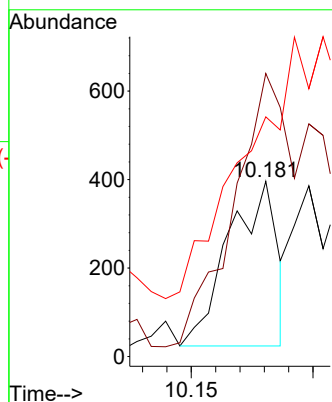
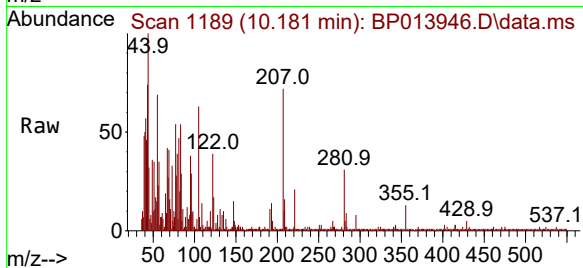
Tgt Ion:122 Resp: 517

Ion Ratio Lower Upper

122 100

105 161.6 107.4 147.4#

77 136.9 76.0 116.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.727 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

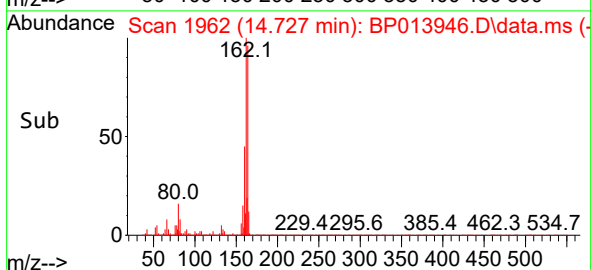
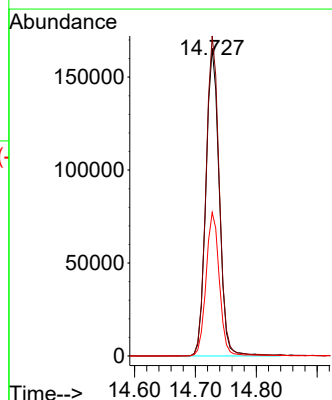
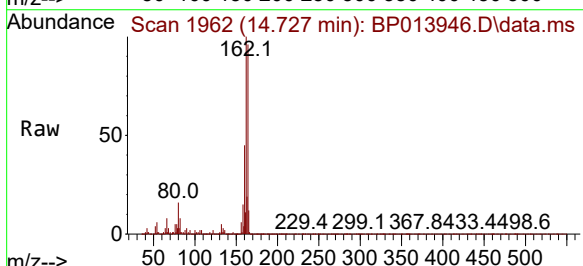
Tgt Ion:164 Resp: 251072

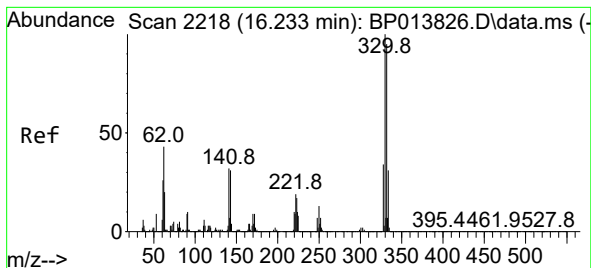
Ion Ratio Lower Upper

164 100

162 104.1 81.7 122.5

160 46.7 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 131.705 ng

RT: 16.221 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

Instrument :

BNA_P

ClientSampleId :

DEP-2

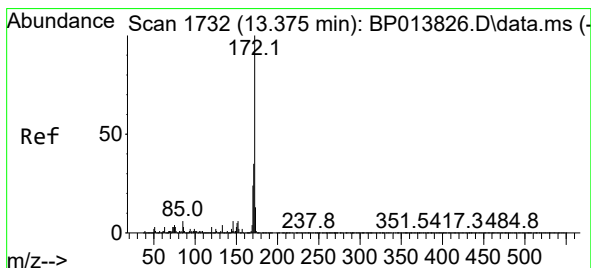
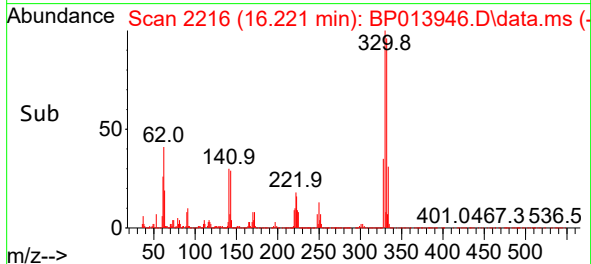
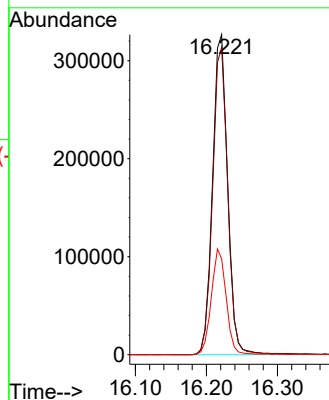
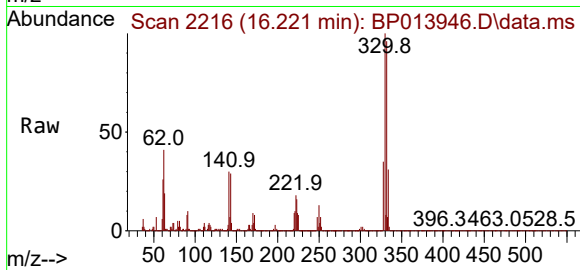
Tgt Ion:330 Resp: 481351

Ion Ratio Lower Upper

330 100

332 95.8 76.7 115.1

141 32.6 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 87.685 ng

RT: 13.351 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

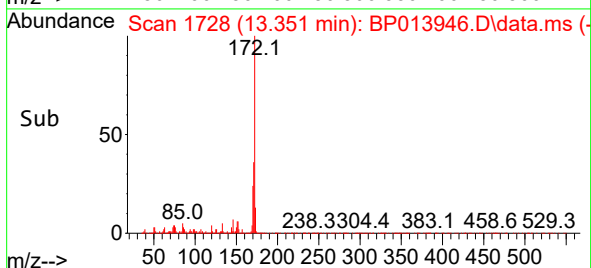
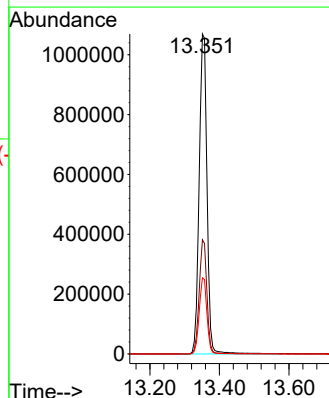
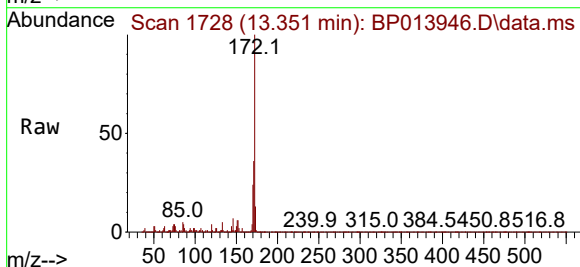
Tgt Ion:172 Resp: 1676115

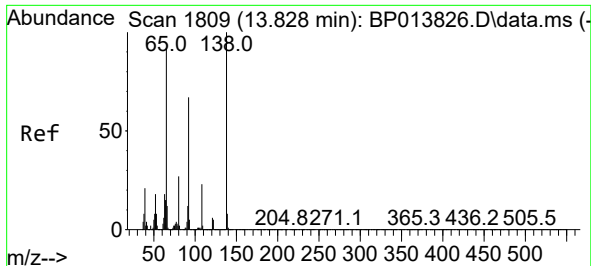
Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.8 19.0 28.4

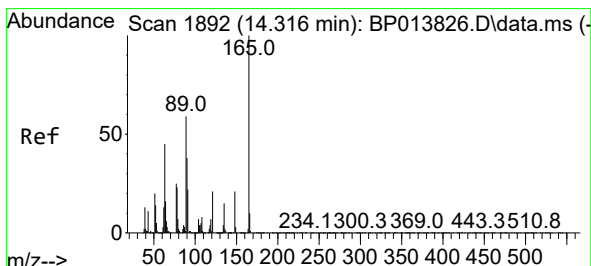
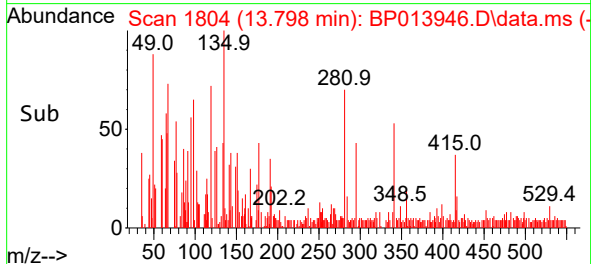
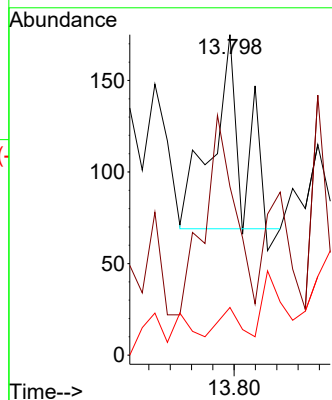
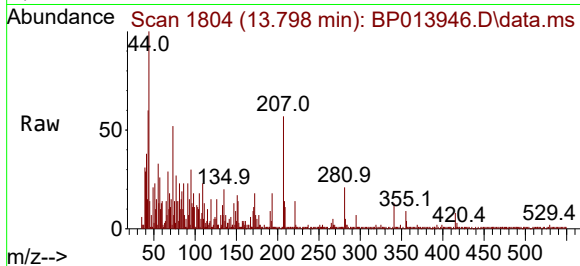




#48
2-Nitroaniline
Concen: 3.252 ng
RT: 13.798 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

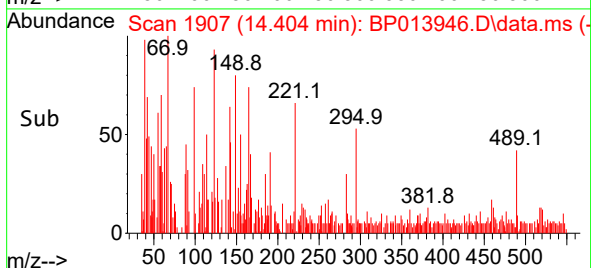
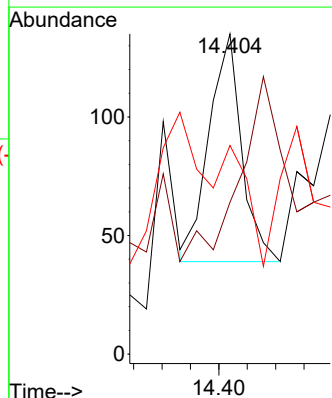
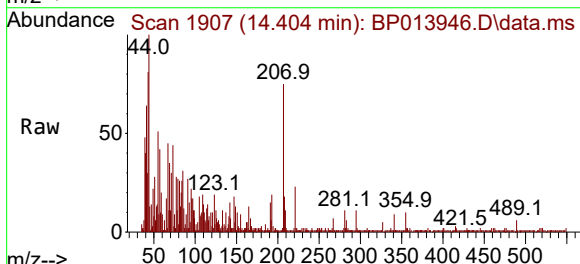
Instrument :
BNA_P
ClientSampleId :
DEP-2

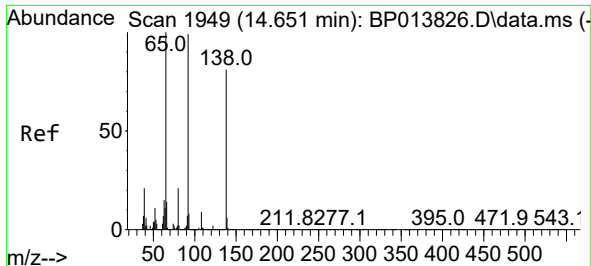
Tgt Ion: 65 Resp: 102
Ion Ratio Lower Upper
65 100
92 52.6 58.7 88.1#
138 14.9 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.004 ng
RT: 14.404 min Scan# 1907
Delta R.T. 0.094 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

Tgt Ion: 165 Resp: 76
Ion Ratio Lower Upper
165 100
63 45.4 42.6 63.8
89 62.4 47.1 70.7

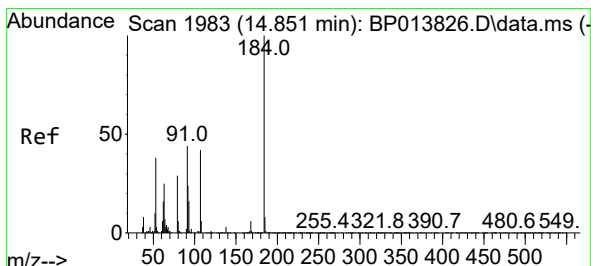
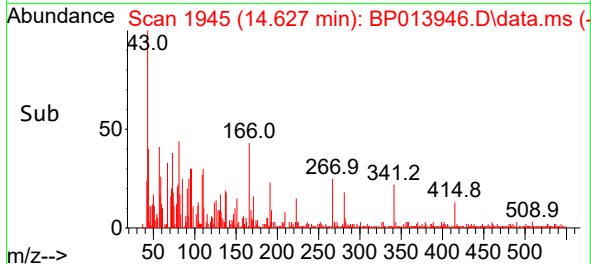
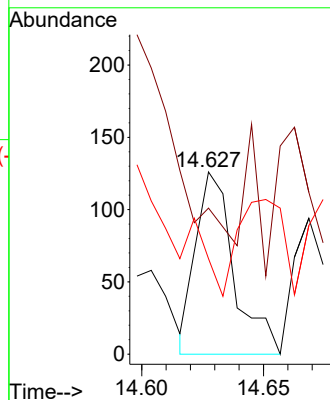
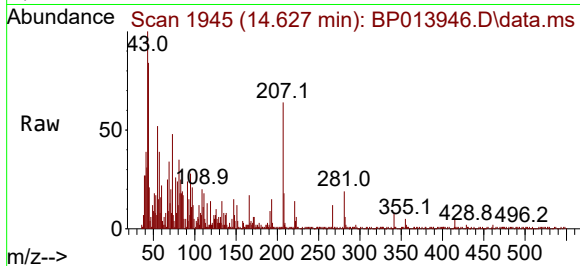




#53
3-Nitroaniline
Concen: 2.036 ng
RT: 14.627 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

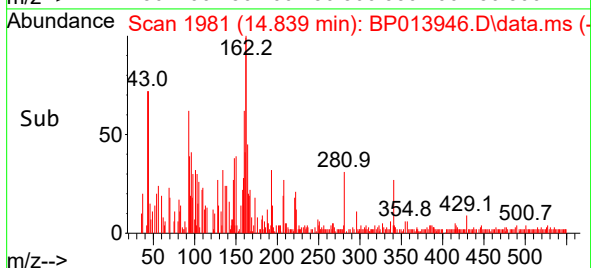
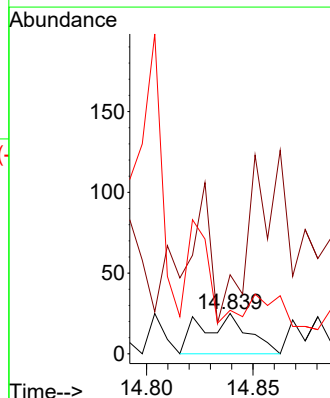
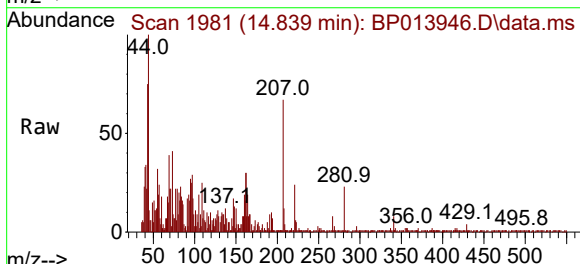
Instrument :
BNA_P
ClientSampleId :
DEP-2

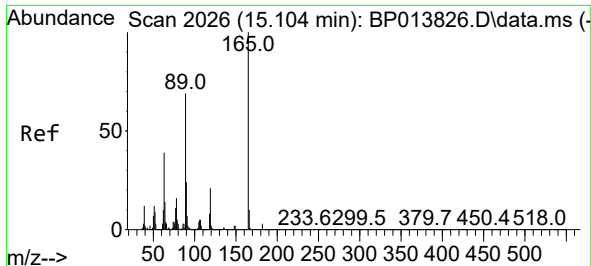
Tgt Ion:138 Resp: 138
Ion Ratio Lower Upper
138 100
108 80.2 9.0 13.4#
92 52.4 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.274 ng
RT: 14.839 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

Tgt Ion:184 Resp: 37
Ion Ratio Lower Upper
184 100
63 196.0 47.0 70.4#
154 108.0 51.5 77.3#

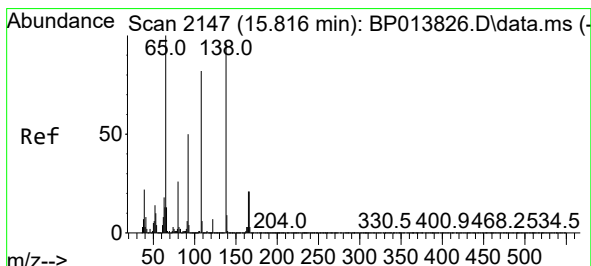
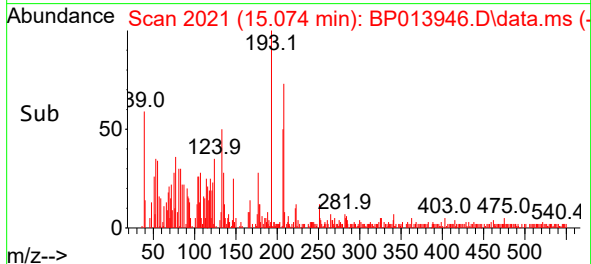
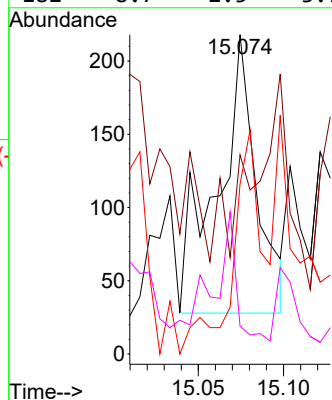
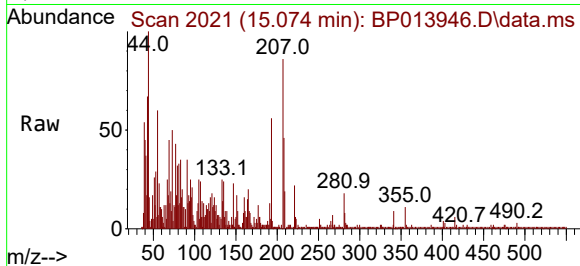




#57
2,4-Dinitrotoluene
Concen: 2.329 ng
RT: 15.074 min Scan# 20
Delta R.T. -0.018 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

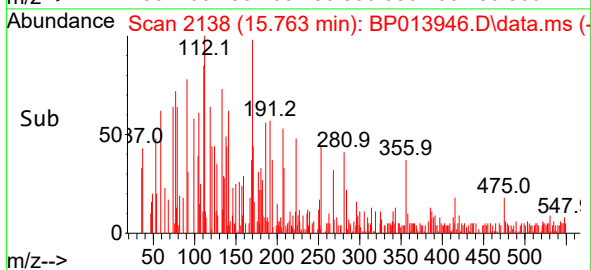
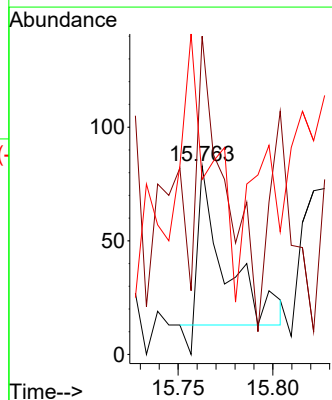
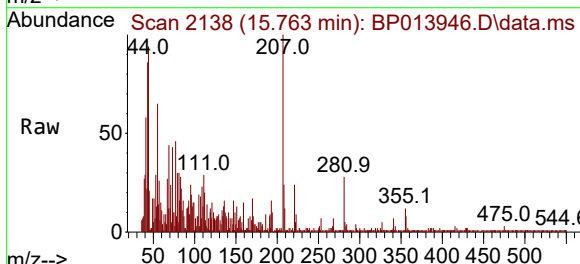
Instrument :
BNA_P
ClientSampleId :
DEP-2

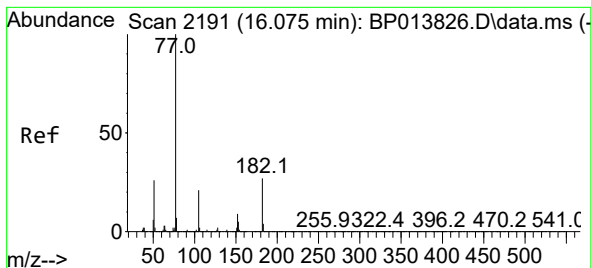
Tgt Ion:165 Resp: 302
Ion Ratio Lower Upper
165 100
63 66.1 31.1 46.7#
89 53.2 54.9 82.3#
182 8.7 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.560 ng
RT: 15.763 min Scan# 2138
Delta R.T. -0.041 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

Tgt Ion:138 Resp: 65
Ion Ratio Lower Upper
138 100
92 168.7 32.0 72.0#
108 92.8 65.6 105.6





#63

Azobenzene

Concen: 6.233 ng

RT: 16.080 min Scan# 2191

Delta R.T. 0.017 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

Instrument :

BNA_P

ClientSampleId :

DEP-2

Tgt Ion: 77 Resp: 112339

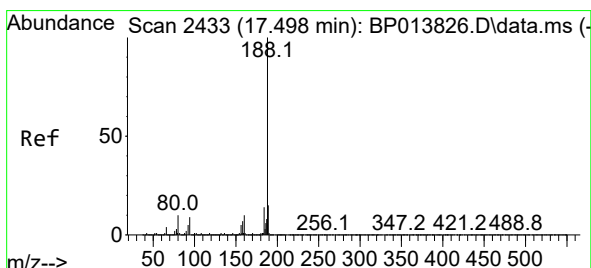
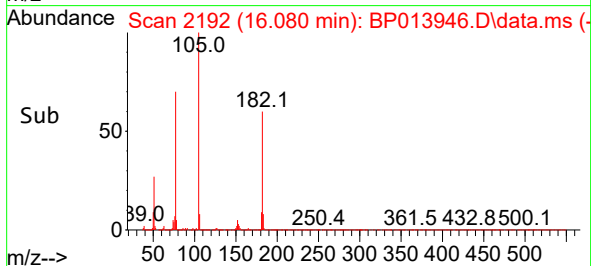
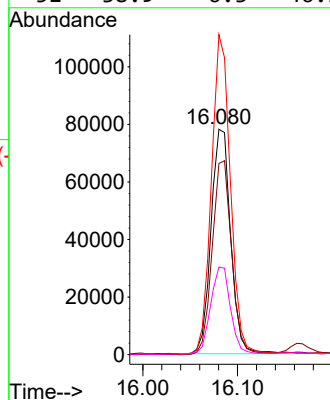
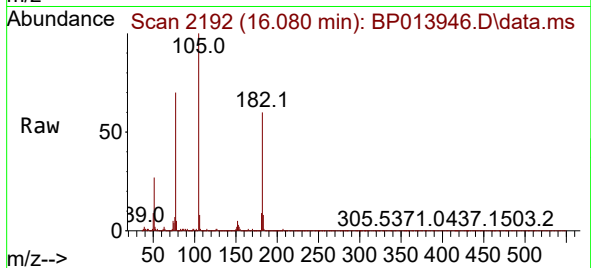
Ion Ratio Lower Upper

77 100

182 84.8 6.9 46.9#

105 141.9 1.1 41.1#

51 38.9 6.3 46.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.480 min Scan# 2430

Delta R.T. -0.006 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

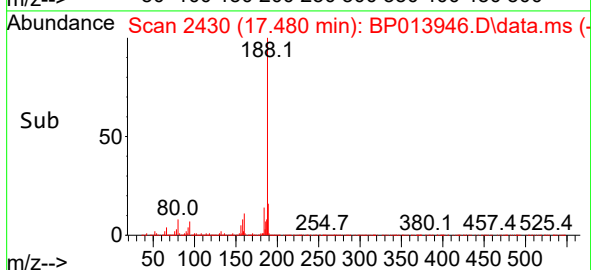
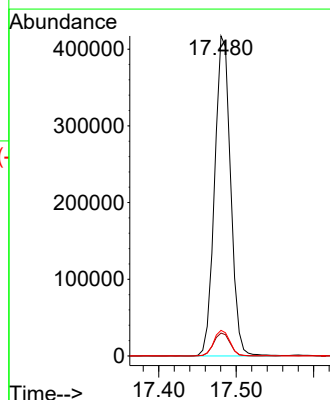
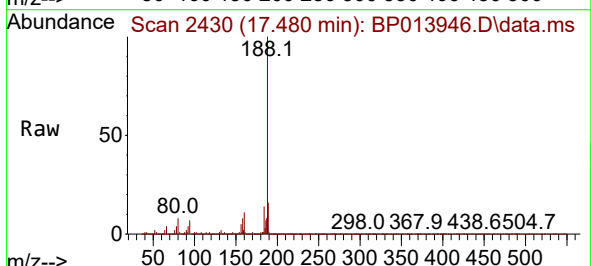
Tgt Ion:188 Resp: 597737

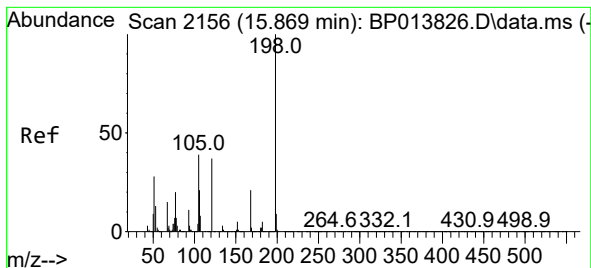
Ion Ratio Lower Upper

188 100

94 7.2 7.0 10.6

80 8.0 7.8 11.8

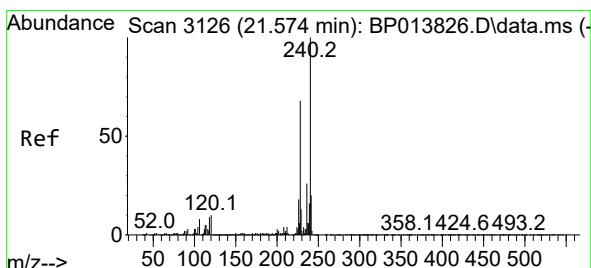
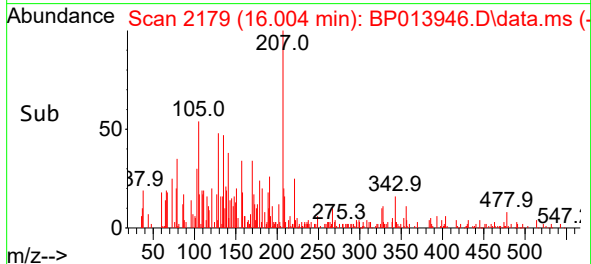
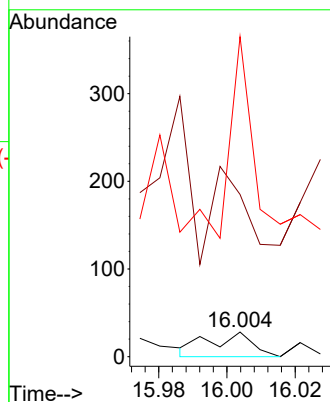
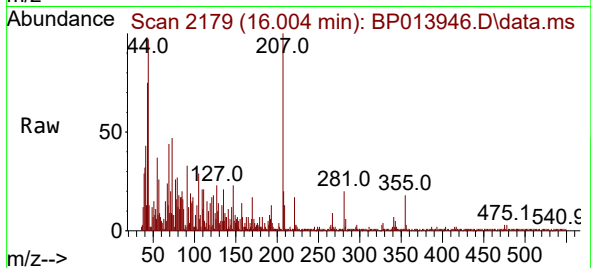




#65
4,6-Dinitro-2-methylphenol
Concen: 4.629 ng
RT: 16.004 min Scan# 2156
Delta R.T. 0.147 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

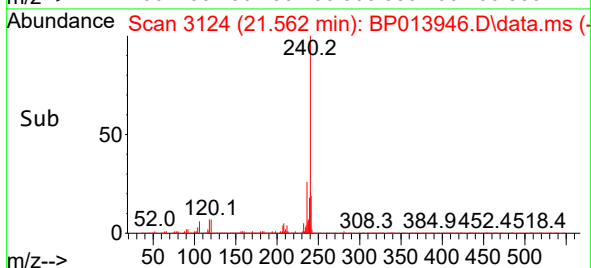
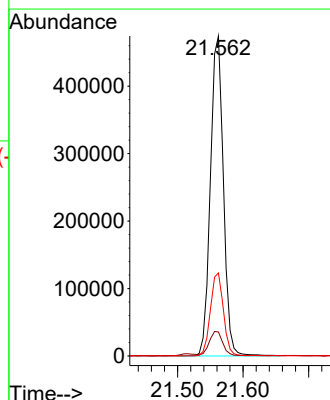
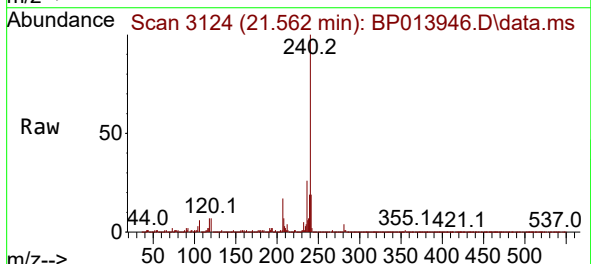
Instrument :
BNA_P
ClientSampleId :
DEP-2

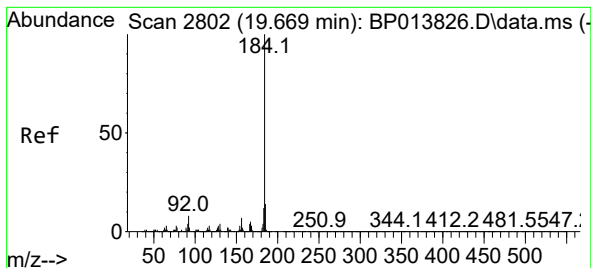
Tgt Ion:198 Resp: 25
Ion Ratio Lower Upper
198 100
51 660.7 14.3 54.3#
105 1303.6 20.5 60.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BP013946.D
Acq: 03 Mar 2023 15:58

Tgt Ion:240 Resp: 653968
Ion Ratio Lower Upper
240 100
120 7.5 7.9 11.9#
236 26.0 20.9 31.3





#77

Benzidine

Concen: 2.291 ng

RT: 19.645 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

Instrument :

BNA_P

ClientSampleId :

DEP-2

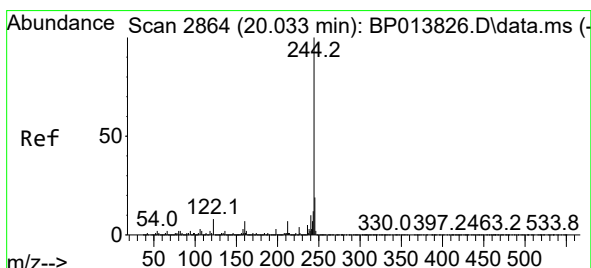
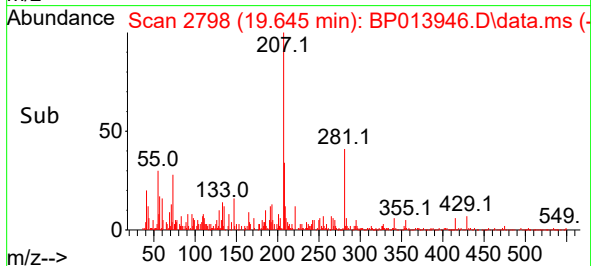
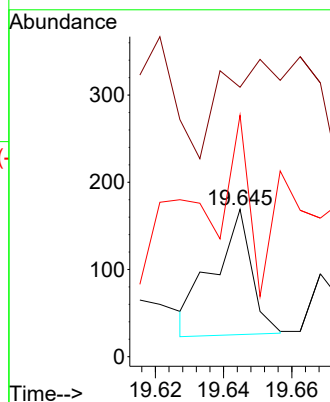
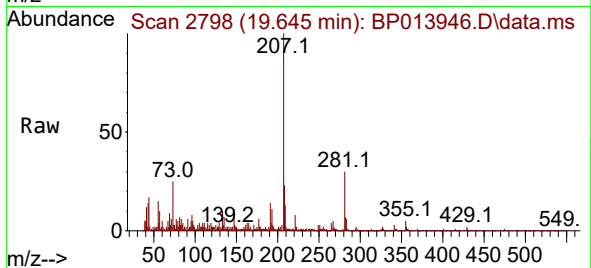
Tgt Ion:184 Resp: 111

Ion Ratio Lower Upper

184 100

185 182.8 11.4 17.0#

183 163.9 9.6 14.4#



#79

Terphenyl-d14

Concen: 87.851 ng

RT: 20.015 min Scan# 2861

Delta R.T. -0.006 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

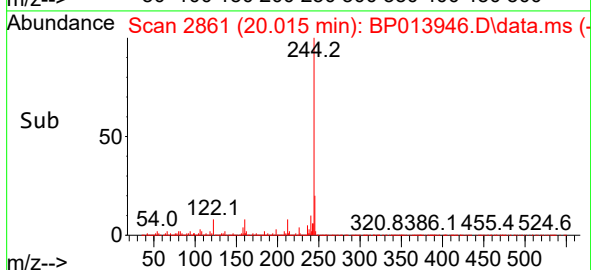
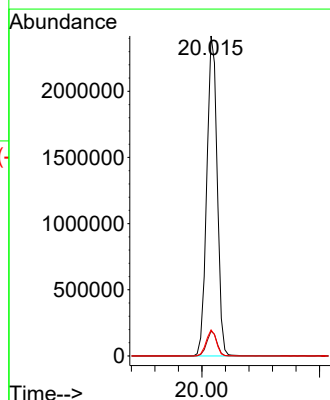
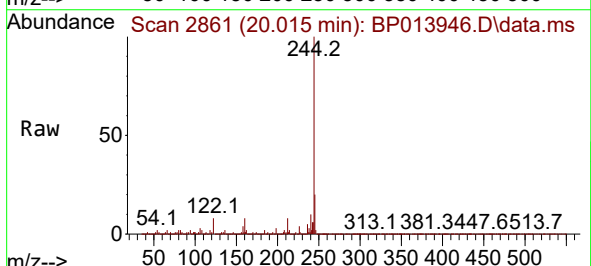
Tgt Ion:244 Resp: 2986058

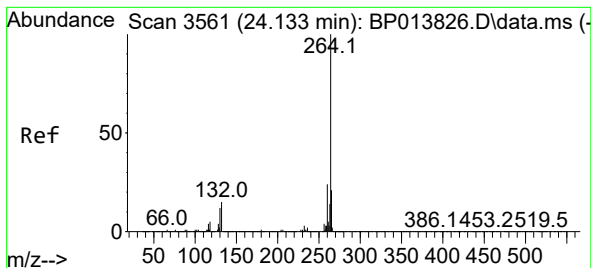
Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.6

122 8.1 6.7 10.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.109 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP013946.D

Acq: 03 Mar 2023 15:58

Instrument :

BNA_P

ClientSampleId :

DEP-2

Tgt Ion:264 Resp: 755940

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

265 22.0 17.6 26.4

