

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030123\
 Data File : BP013916.D
 Acq On : 01 Mar 2023 12:39
 Operator : CG/JU
 Sample : PB151118BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB151118BL

Quant Time: Mar 02 04:29:58 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)

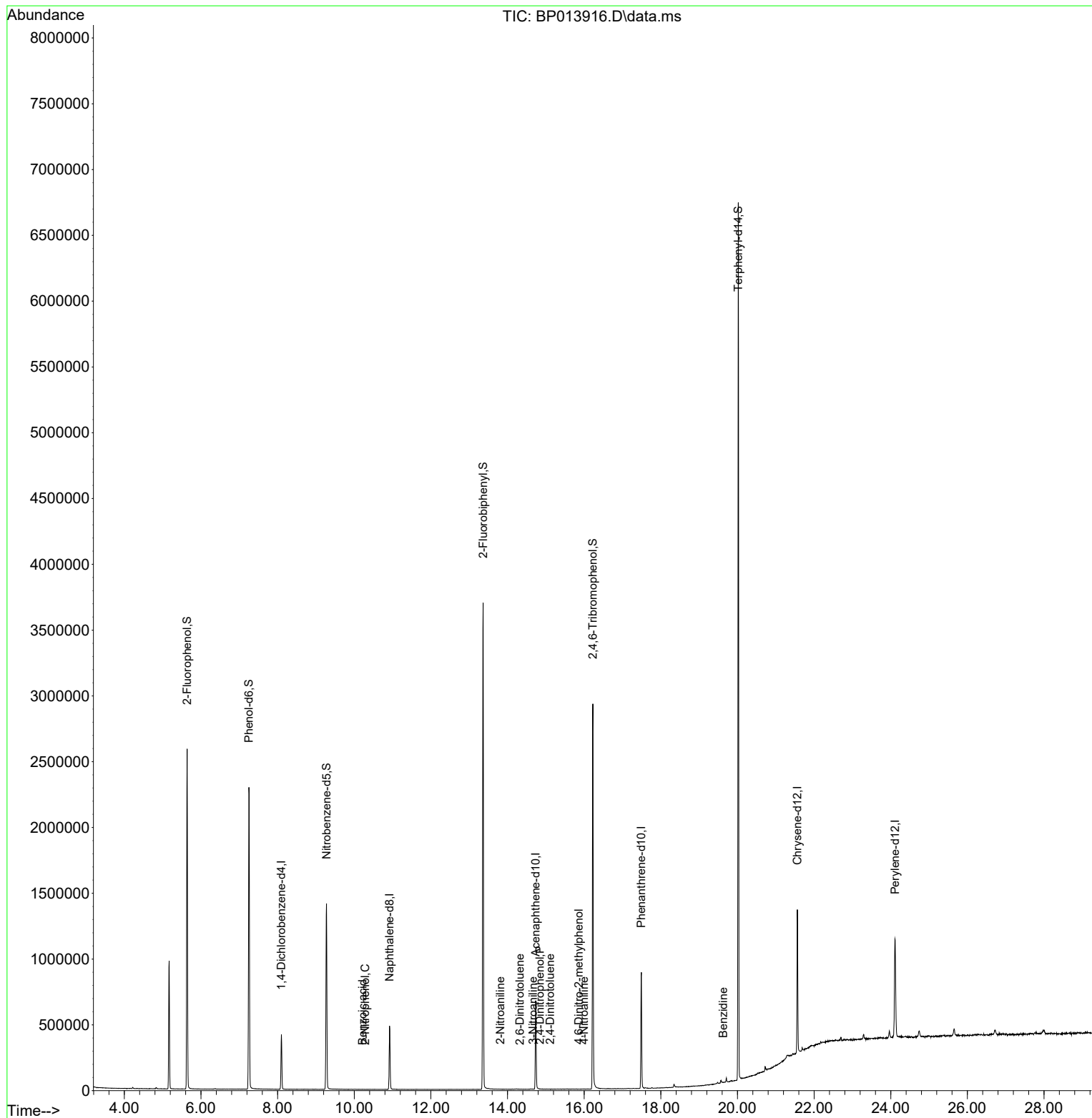
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.099	152	110615	20.000	ng	0.00
21) Naphthalene-d8	10.922	136	397803	20.000	ng	0.00
39) Acenaphthene-d10	14.734	164	241911	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	546626	20.000	ng	# 0.00
76) Chrysene-d12	21.563	240	556397	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	657396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	1048444	156.213	ng	0.00
7) Phenol-d6	7.252	99	1288334	149.880	ng	0.00
23) Nitrobenzene-d5	9.275	82	830985	112.802	ng	0.00
42) 2,4,6-Tribromophenol	16.228	330	592908	168.372	ng	0.00
45) 2-Fluorobiphenyl	13.363	172	1876173	101.868	ng	0.00
79) Terphenyl-d14	20.022	244	3139653	108.568	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.287	139	8	2.770	ng	90
32) Benzoic acid	10.216	122	22	5.079	ng	# 1
48) 2-Nitroaniline	13.810	65	62	3.244	ng	# 59
51) 2,6-Dinitrotoluene	14.322	165	88	2.007	ng	# 49
53) 3-Nitroaniline	14.663	138	13	2.011	ng	# 1
54) 2,4-Dinitrophenol	14.845	184	7	5.264	ng	# 1
57) 2,4-Dinitrotoluene	15.110	165	36	2.287	ng	# 63
62) 4-Nitroaniline	15.992	138	19	2.551	ng	80
65) 4,6-Dinitro-2-methylph...	15.857	198	16	4.628	ng	# 1
77) Benzidine	19.628	184	55	2.287	ng	# 29

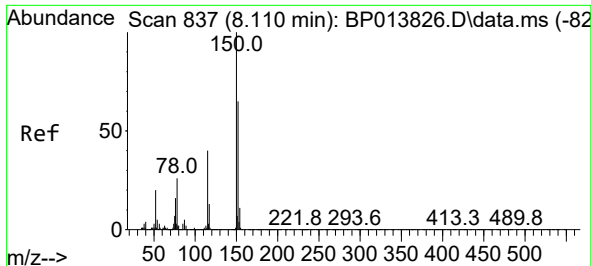
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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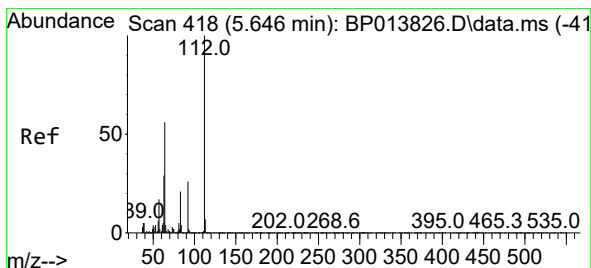
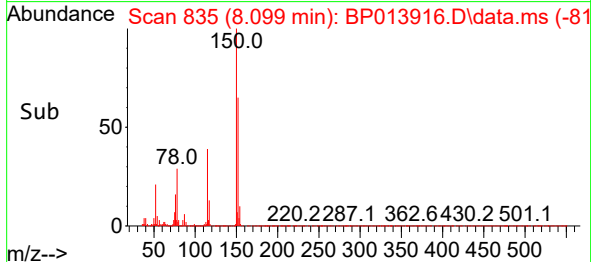
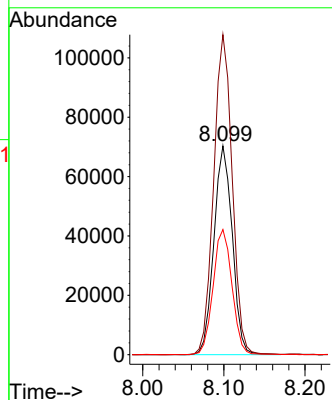
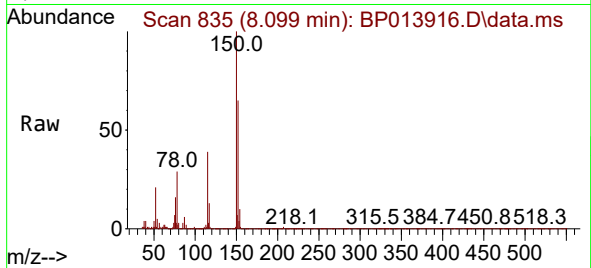




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.099 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

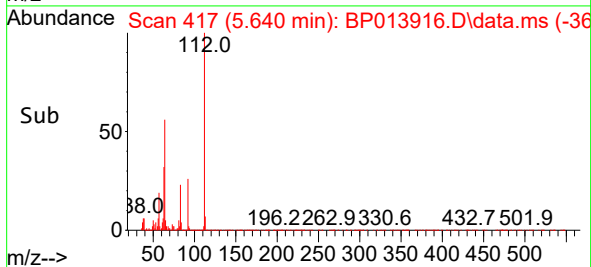
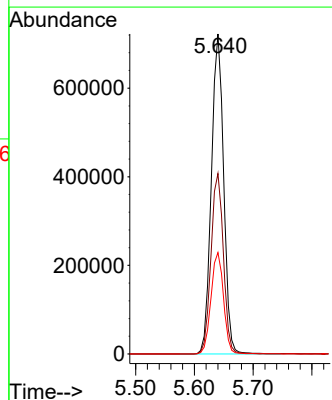
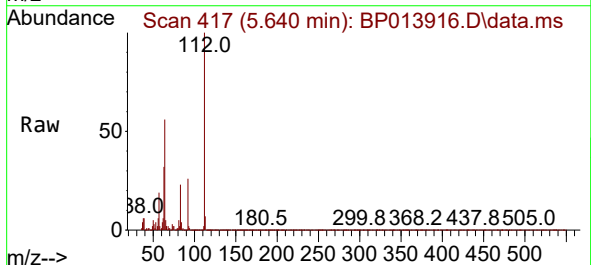
Instrument :
BNA_P
ClientSampleId :
PB151118BL

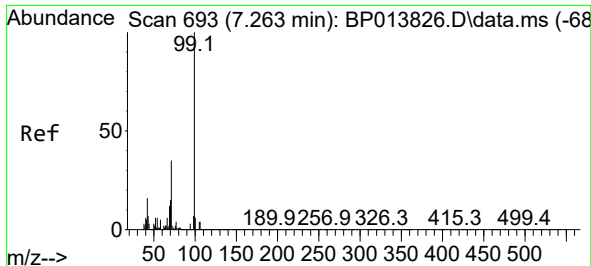
Tgt Ion:152 Resp: 110615
Ion Ratio Lower Upper
152 100
150 153.2 122.8 184.2
115 59.9 49.0 73.6



#5
2-Fluorophenol
Concen: 156.213 ng
RT: 5.640 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

Tgt Ion:112 Resp: 1048444
Ion Ratio Lower Upper
112 100
64 56.4 44.6 66.8
63 31.7 23.6 35.4

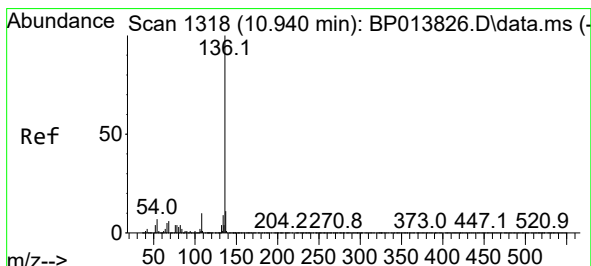
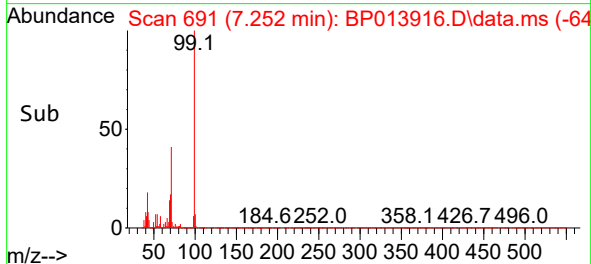
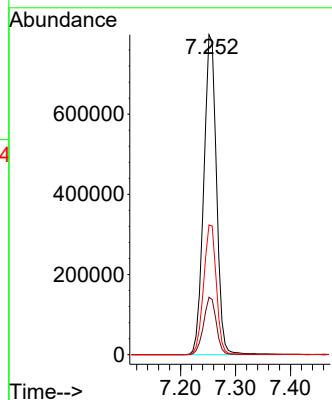
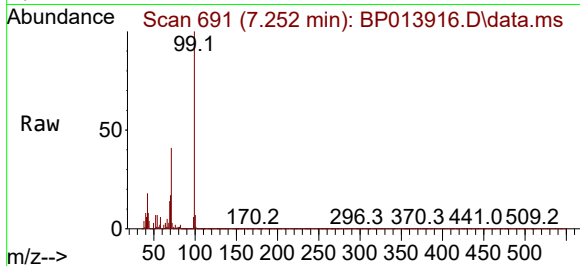




#7
Phenol-d6
Concen: 149.880 ng
RT: 7.252 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

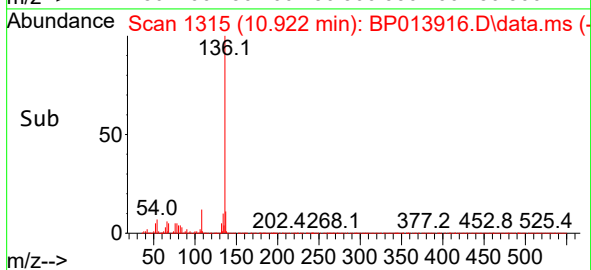
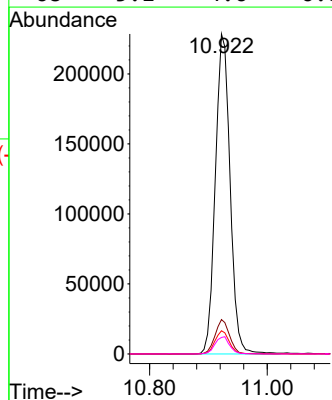
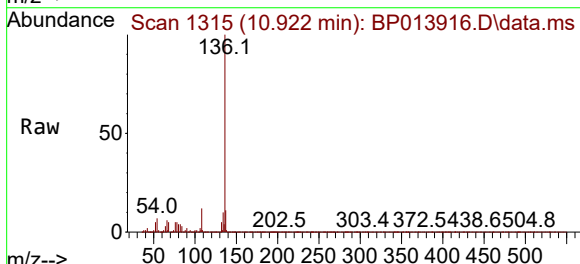
Instrument :
BNA_P
ClientSampleId :
PB151118BL

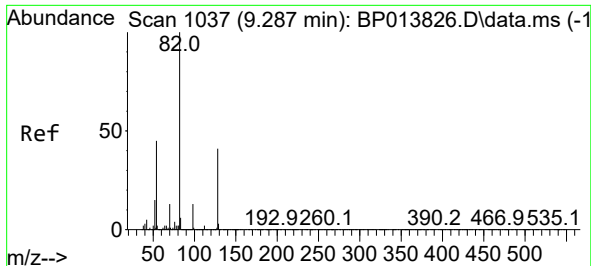
Tgt Ion: 99 Resp: 1288334
Ion Ratio Lower Upper
99 100
42 17.9 12.5 18.7
71 40.6 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.922 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

Tgt Ion: 136 Resp: 397803
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.2 5.8 8.6
68 5.1 4.6 6.8

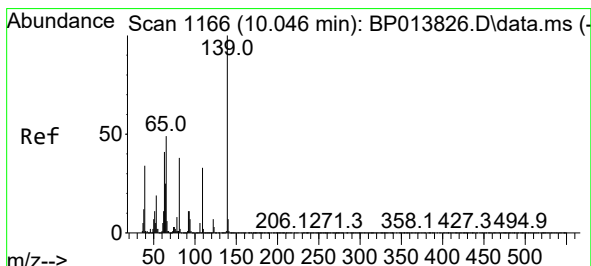
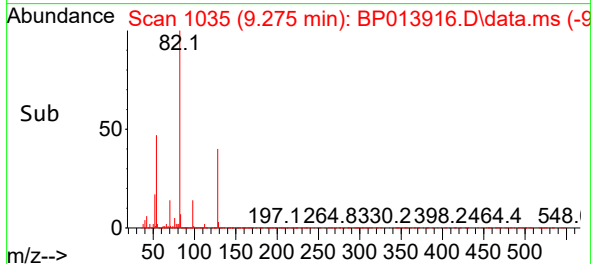
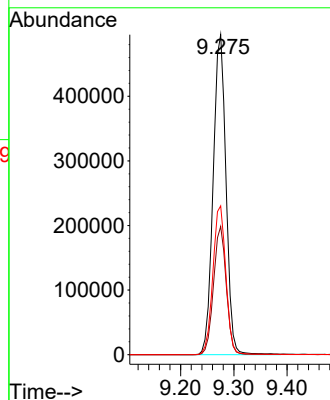
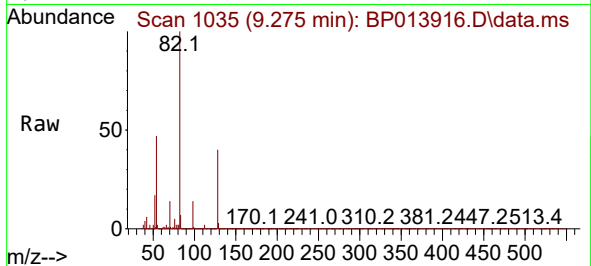




#23
Nitrobenzene-d5
Concen: 112.802 ng
RT: 9.275 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

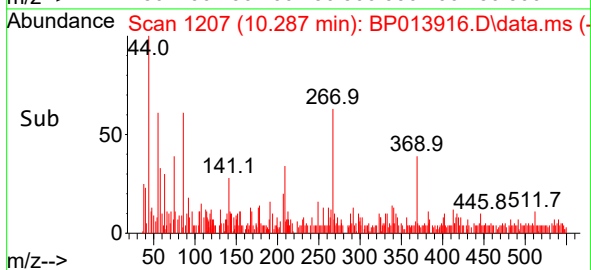
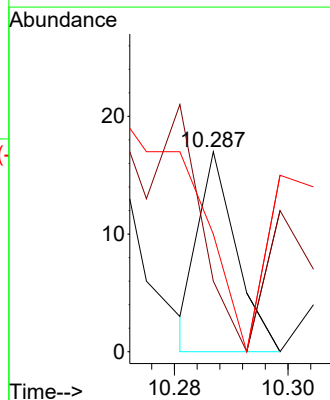
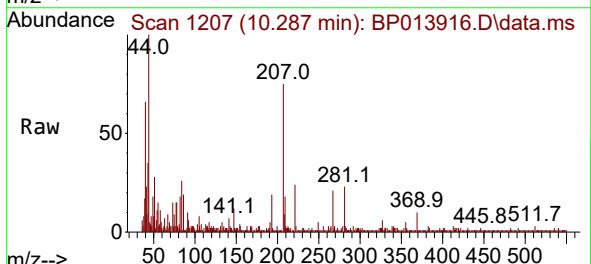
Instrument :
BNA_P
ClientSampleId :
PB151118BL

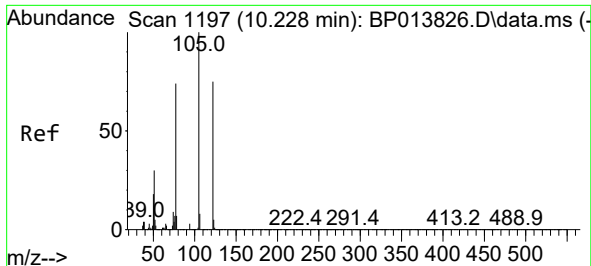
Tgt Ion: 82 Resp: 830985
Ion Ratio Lower Upper
82 100
128 40.1 32.9 49.3
54 46.5 35.6 53.4



#26
2-Nitrophenol
Concen: 2.770 ng
RT: 10.287 min Scan# 1207
Delta R.T. 0.259 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

Tgt Ion:139 Resp: 8
Ion Ratio Lower Upper
139 100
109 35.3 26.7 40.1
65 58.8 39.4 59.2

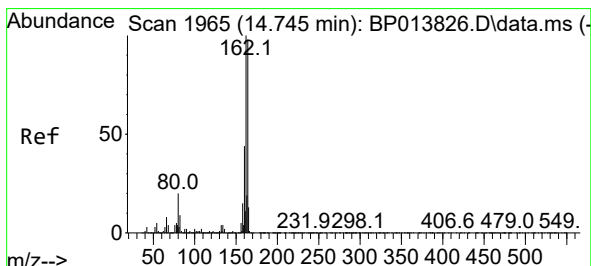
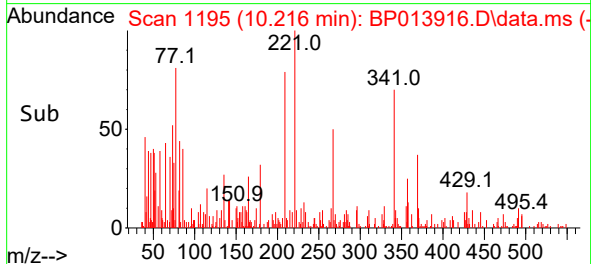
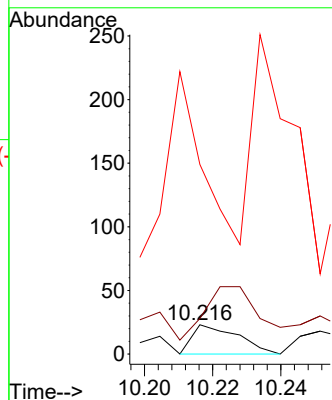
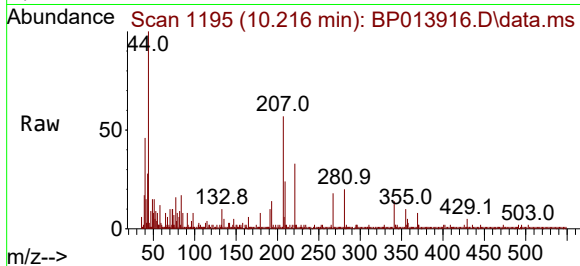




#32
Benzoic acid
Concen: 5.079 ng
RT: 10.216 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

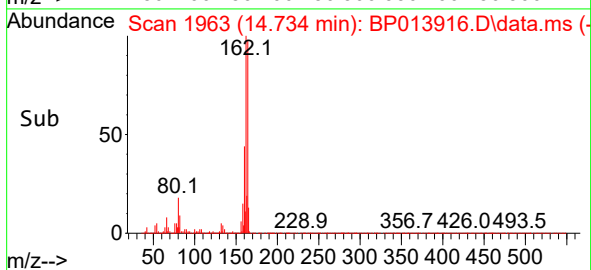
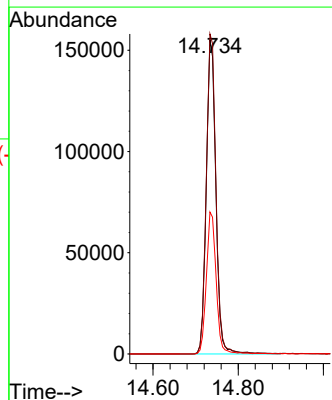
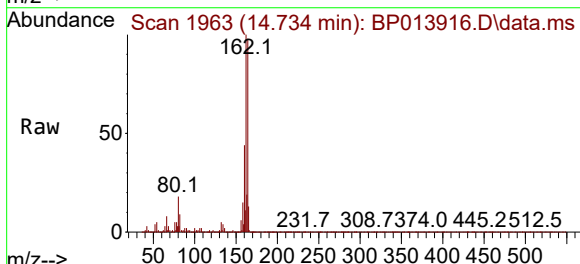
Instrument :
BNA_P
ClientSampleId :
PB151118BL

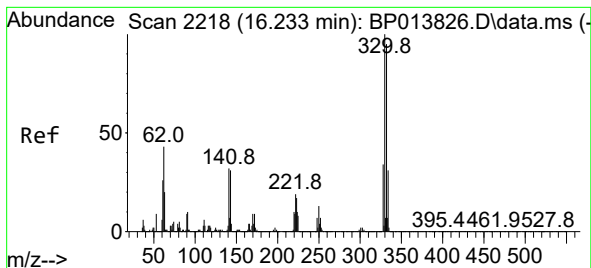
Tgt Ion:122 Resp: 22
Ion Ratio Lower Upper
122 100
105 121.7 107.4 147.4
77 647.8 76.0 116.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.734 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

Tgt Ion:164 Resp: 241911
Ion Ratio Lower Upper
164 100
162 101.9 81.7 122.5
160 45.2 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 168.372 ng

RT: 16.228 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013916.D

Acq: 01 Mar 2023 12:39

Instrument :

BNA_P

ClientSampleId :

PB151118BL

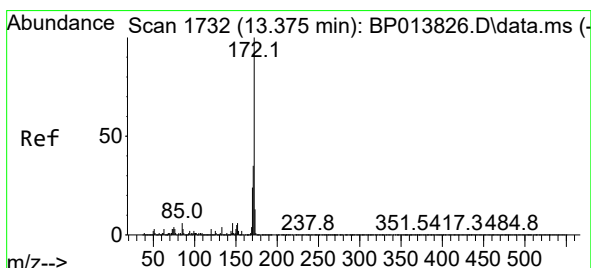
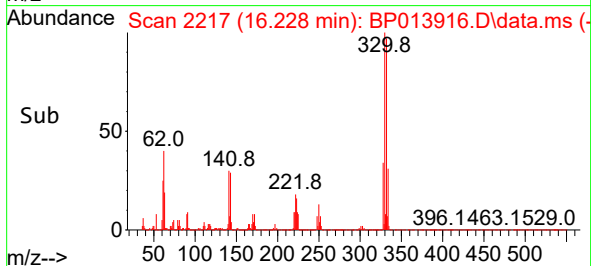
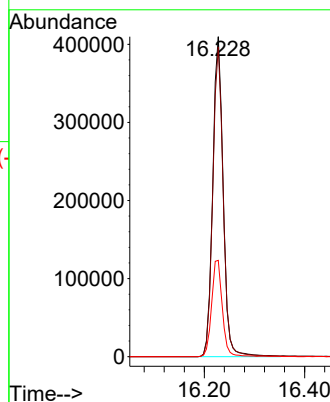
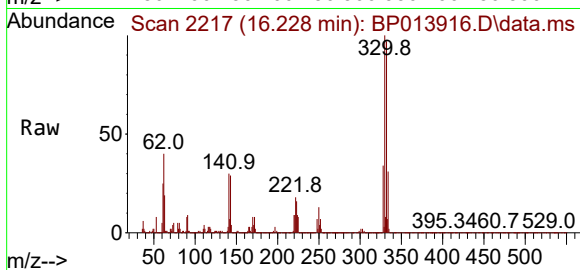
Tgt Ion:330 Resp: 592908

Ion Ratio Lower Upper

330 100

332 97.0 76.7 115.1

141 31.0 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 101.868 ng

RT: 13.363 min Scan# 1730

Delta R.T. 0.006 min

Lab File: BP013916.D

Acq: 01 Mar 2023 12:39

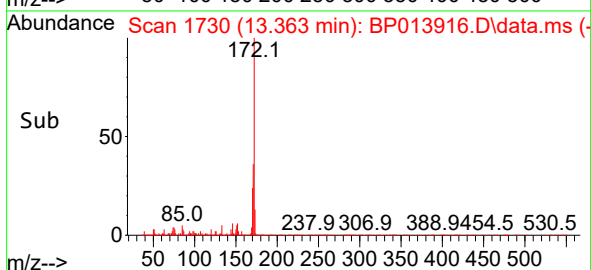
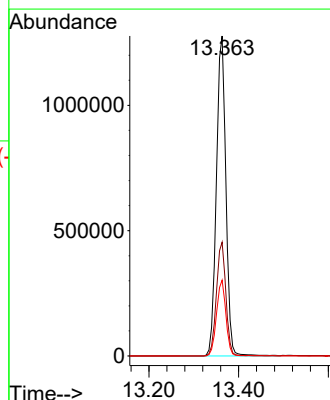
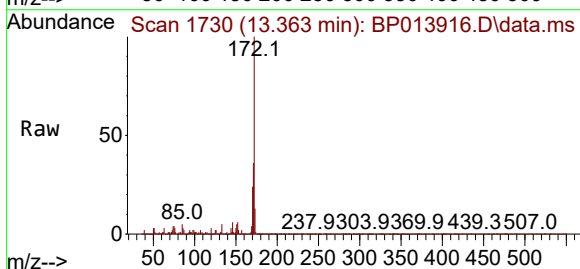
Tgt Ion:172 Resp: 1876173

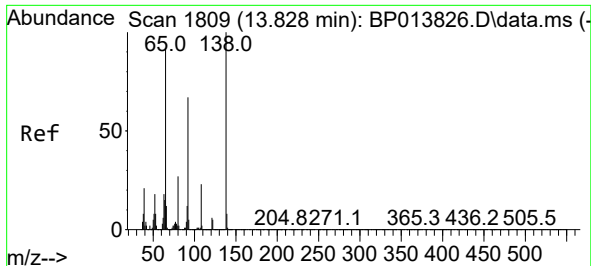
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.7 19.0 28.4

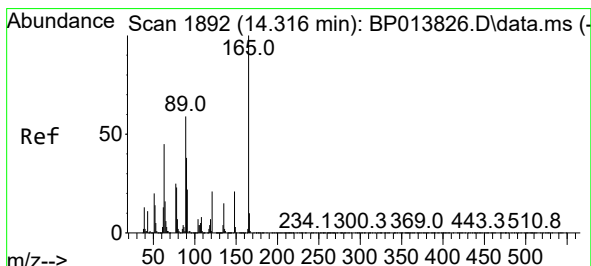
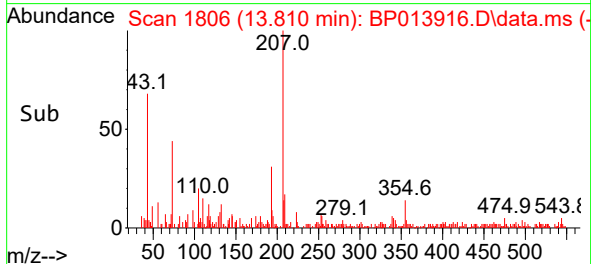
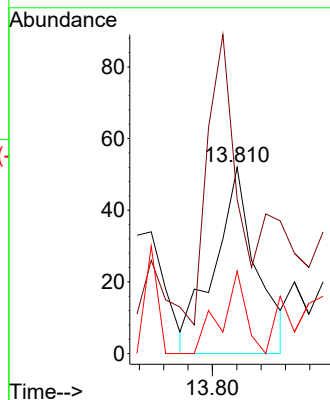
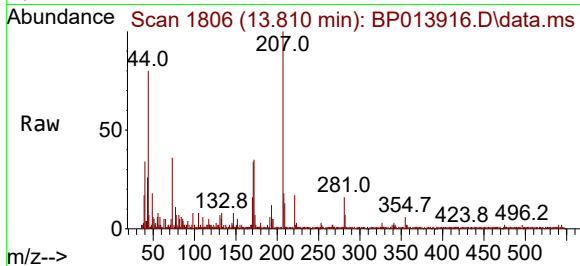




#48
2-Nitroaniline
Concen: 3.244 ng
RT: 13.810 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

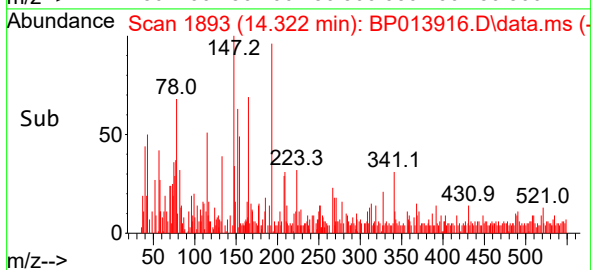
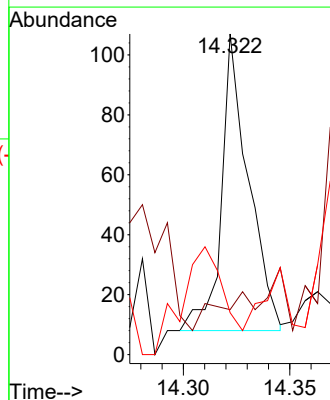
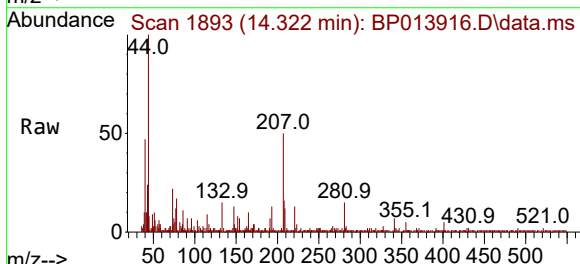
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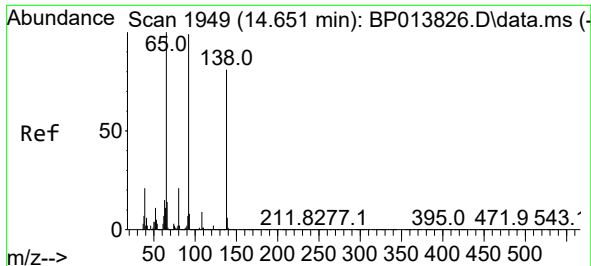
Tgt Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 82.7 58.7 88.1
138 44.2 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.007 ng
RT: 14.322 min Scan# 1893
Delta R.T. 0.012 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

Tgt Ion: 165 Resp: 88
Ion Ratio Lower Upper
165 100
63 13.3 42.6 63.8#
89 23.9 47.1 70.7#

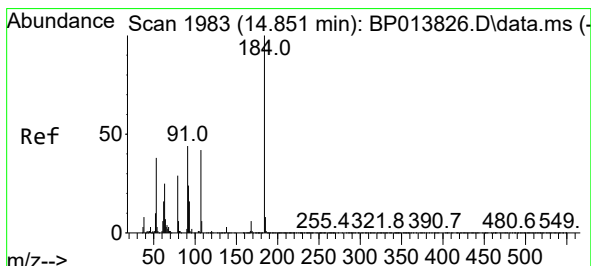
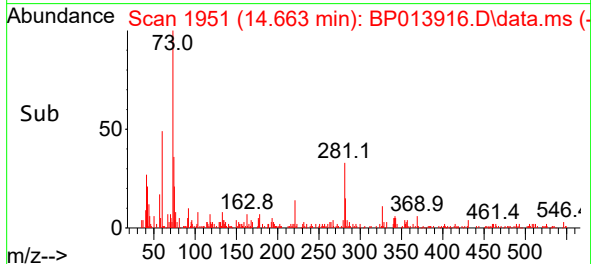
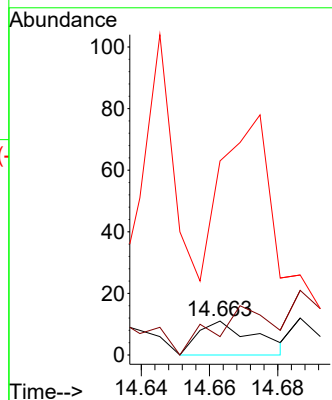
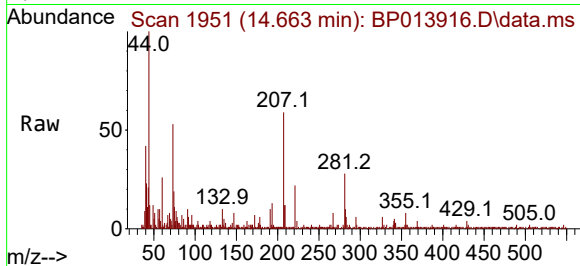




#53
3-Nitroaniline
Concen: 2.011 ng
RT: 14.663 min Scan# 1949
Delta R.T. 0.024 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

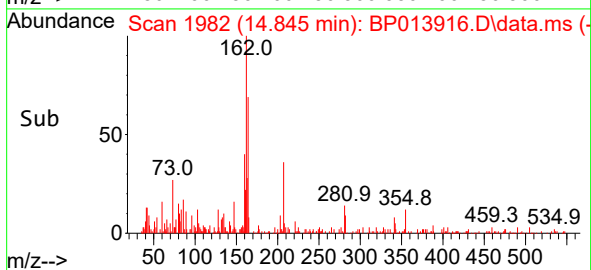
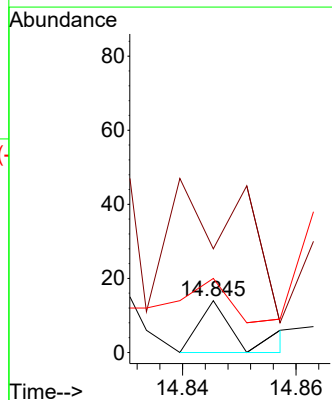
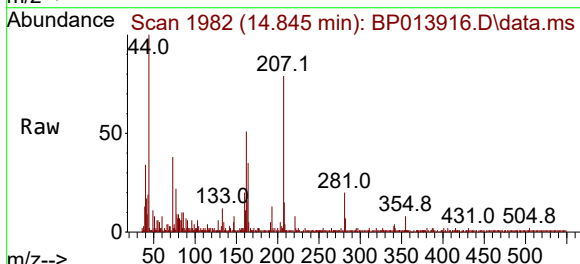
Instrument :
BNA_P
ClientSampleId :
PB151118BL

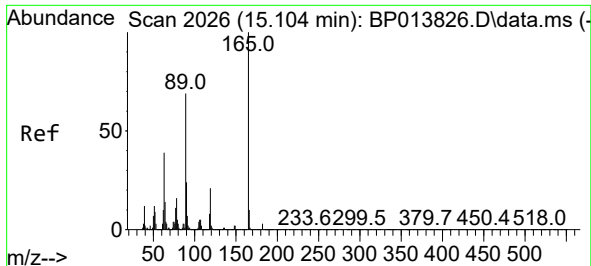
Tgt Ion:138 Resp: 13
Ion Ratio Lower Upper
138 100
108 54.5 9.0 13.4#
92 572.7 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.264 ng
RT: 14.845 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

Tgt Ion:184 Resp: 7
Ion Ratio Lower Upper
184 100
63 200.0 47.0 70.4#
154 142.9 51.5 77.3#

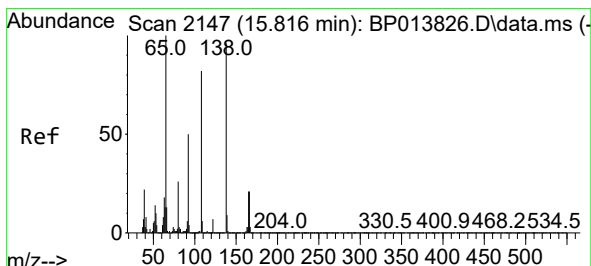
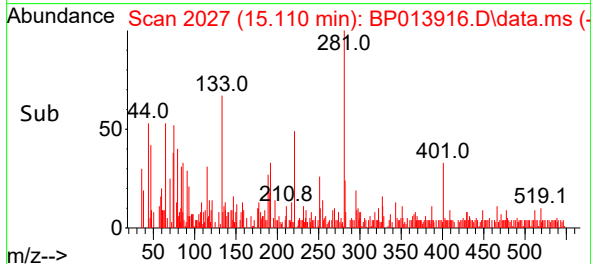
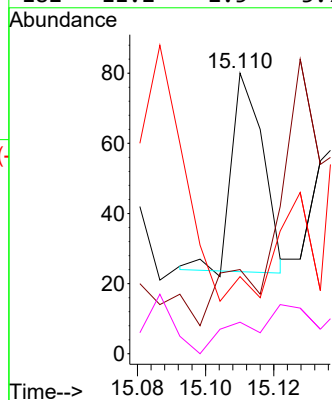
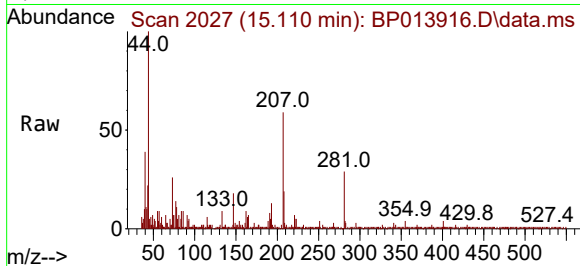




#57
2,4-Dinitrotoluene
Concen: 2.287 ng
RT: 15.110 min Scan# 20
Delta R.T. 0.018 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

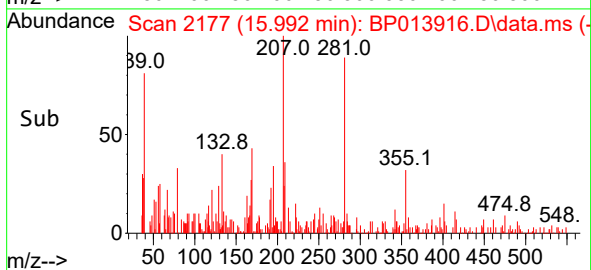
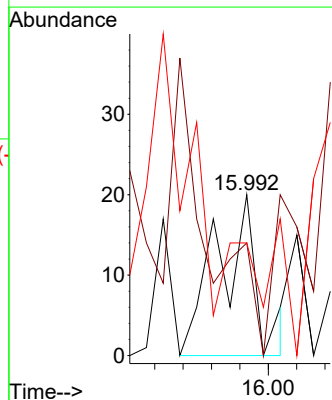
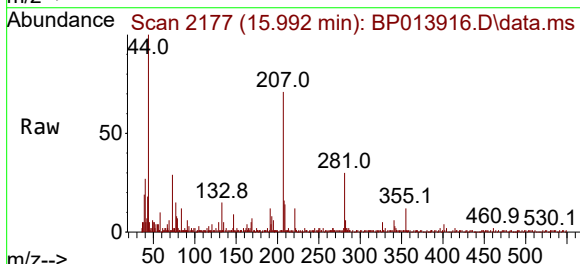
Instrument :
BNA_P
ClientSampleId :
PB151118BL

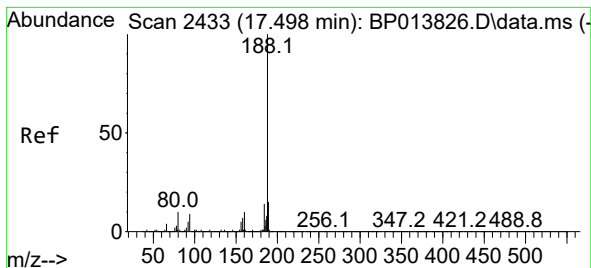
Tgt Ion:165 Resp: 36
Ion Ratio Lower Upper
165 100
63 30.0 31.1 46.7#
89 27.5 54.9 82.3#
182 11.2 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.551 ng
RT: 15.992 min Scan# 2177
Delta R.T. 0.188 min
Lab File: BP013916.D
Acq: 01 Mar 2023 12:39

Tgt Ion:138 Resp: 19
Ion Ratio Lower Upper
138 100
92 70.0 32.0 72.0
108 70.0 65.6 105.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.492 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP013916.D

Acq: 01 Mar 2023 12:39

Instrument :

BNA_P

ClientSampleId :

PB151118BL

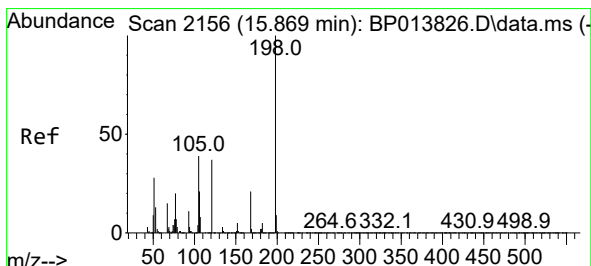
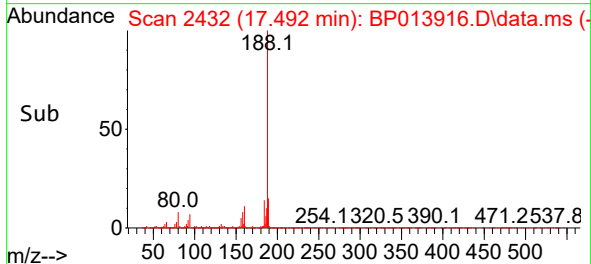
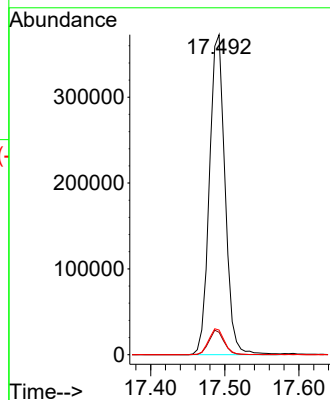
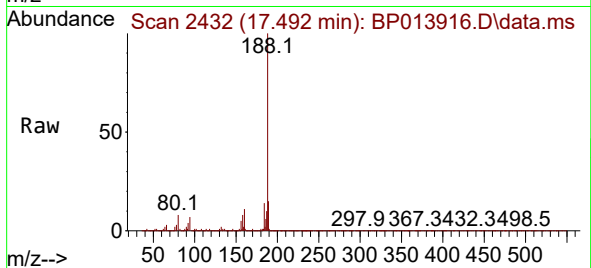
Tgt Ion:188 Resp: 546626

Ion Ratio Lower Upper

188 100

94 7.0 7.0 10.6#

80 7.7 7.8 11.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 4.628 ng

RT: 15.857 min Scan# 2154

Delta R.T. 0.000 min

Lab File: BP013916.D

Acq: 01 Mar 2023 12:39

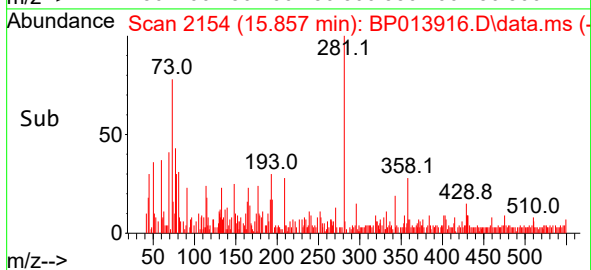
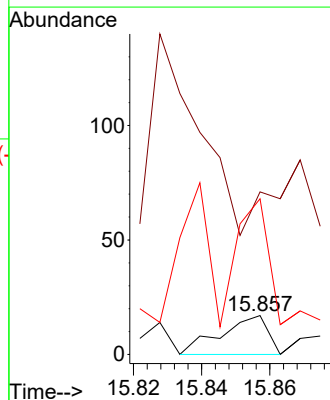
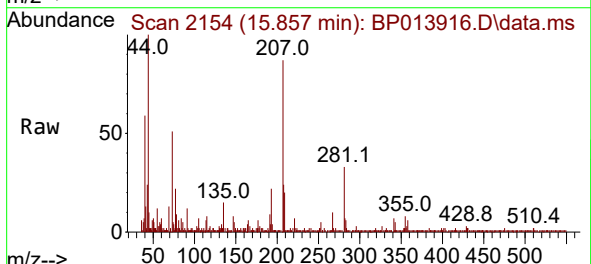
Tgt Ion:198 Resp: 16

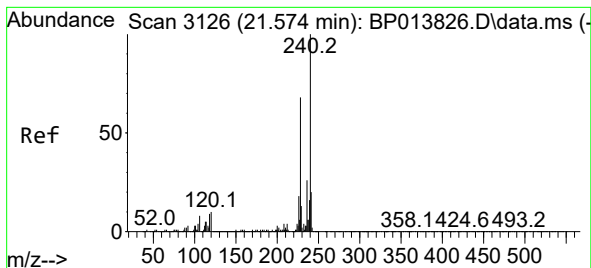
Ion Ratio Lower Upper

198 100

51 417.6 14.3 54.3#

105 523.5 20.5 60.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.563 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013916.D

Acq: 01 Mar 2023 12:39

Instrument :

BNA_P

ClientSampleId :

PB151118BL

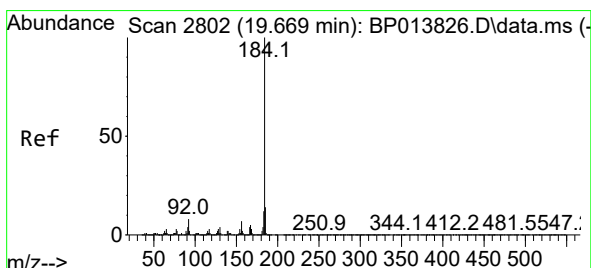
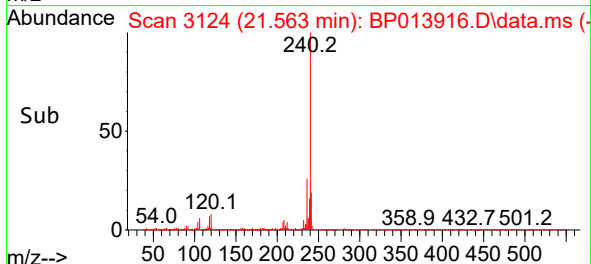
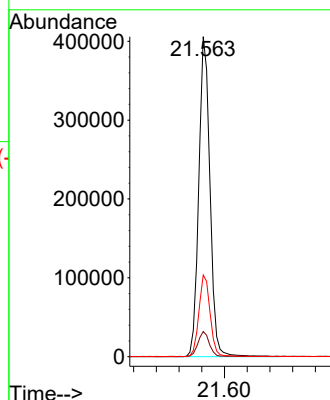
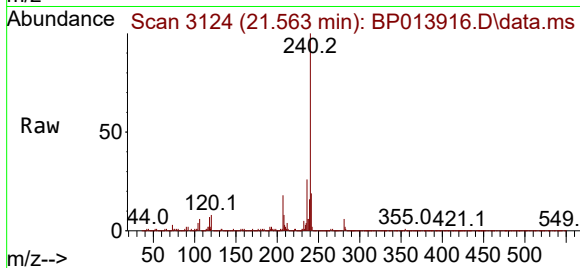
Tgt Ion:240 Resp: 556397

Ion Ratio Lower Upper

240 100

120 7.9 7.9 11.9#

236 25.5 20.9 31.3



#77

Benzidine

Concen: 2.287 ng

RT: 19.628 min Scan# 2795

Delta R.T. -0.029 min

Lab File: BP013916.D

Acq: 01 Mar 2023 12:39

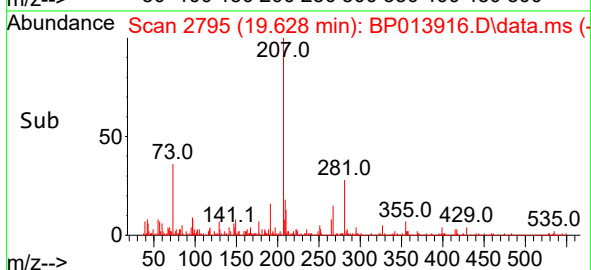
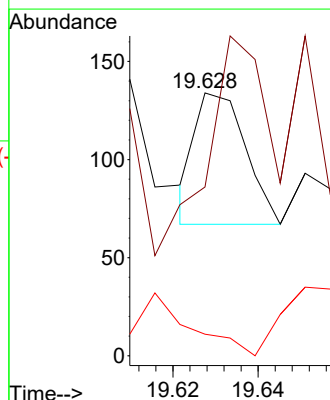
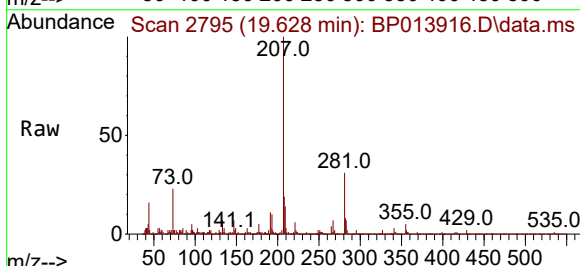
Tgt Ion:184 Resp: 55

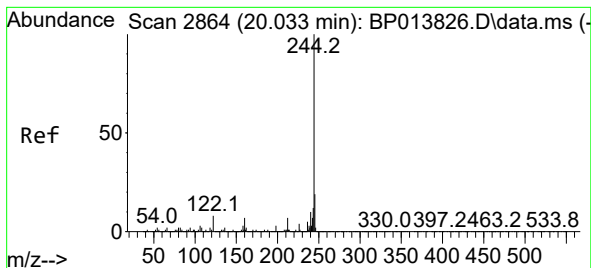
Ion Ratio Lower Upper

184 100

185 64.2 11.4 17.0#

183 8.2 9.6 14.4#





#79

Terphenyl-d14

Concen: 108.568 ng

RT: 20.022 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013916.D

Acq: 01 Mar 2023 12:39

Instrument :

BNA_P

ClientSampleId :

PB151118BL

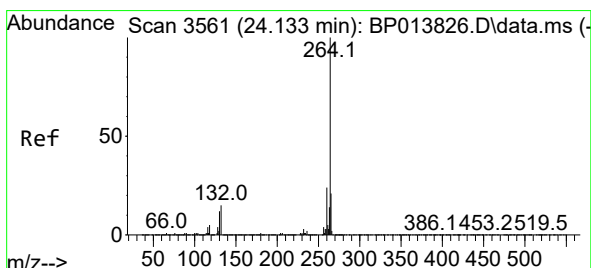
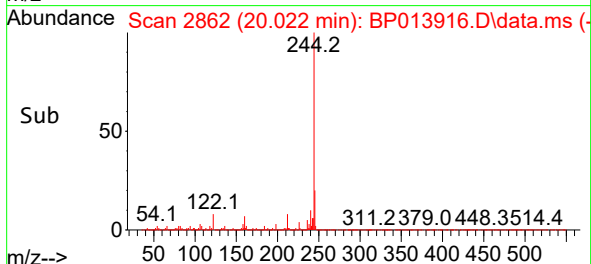
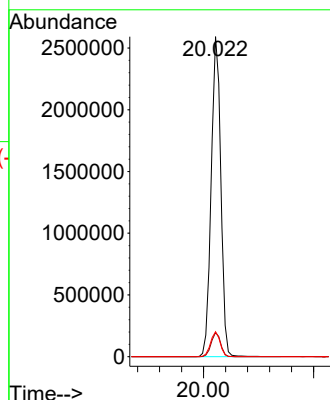
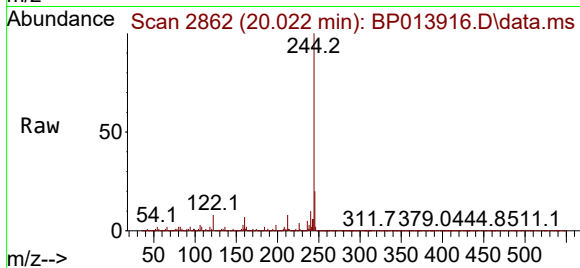
Tgt Ion:244 Resp: 3139653

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 7.8 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: BP013916.D

Acq: 01 Mar 2023 12:39

Tgt Ion:264 Resp: 657396

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.0

265 22.6 17.6 26.4

