

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
 Data File : BP013590.D
 Acq On : 25 Jan 2023 02:09
 Operator : CG/JU
 Sample : 01233-11DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-P38CDL

Quant Time: Jan 25 03:55:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 03:43:27 2023
 Response via : Initial Calibration

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

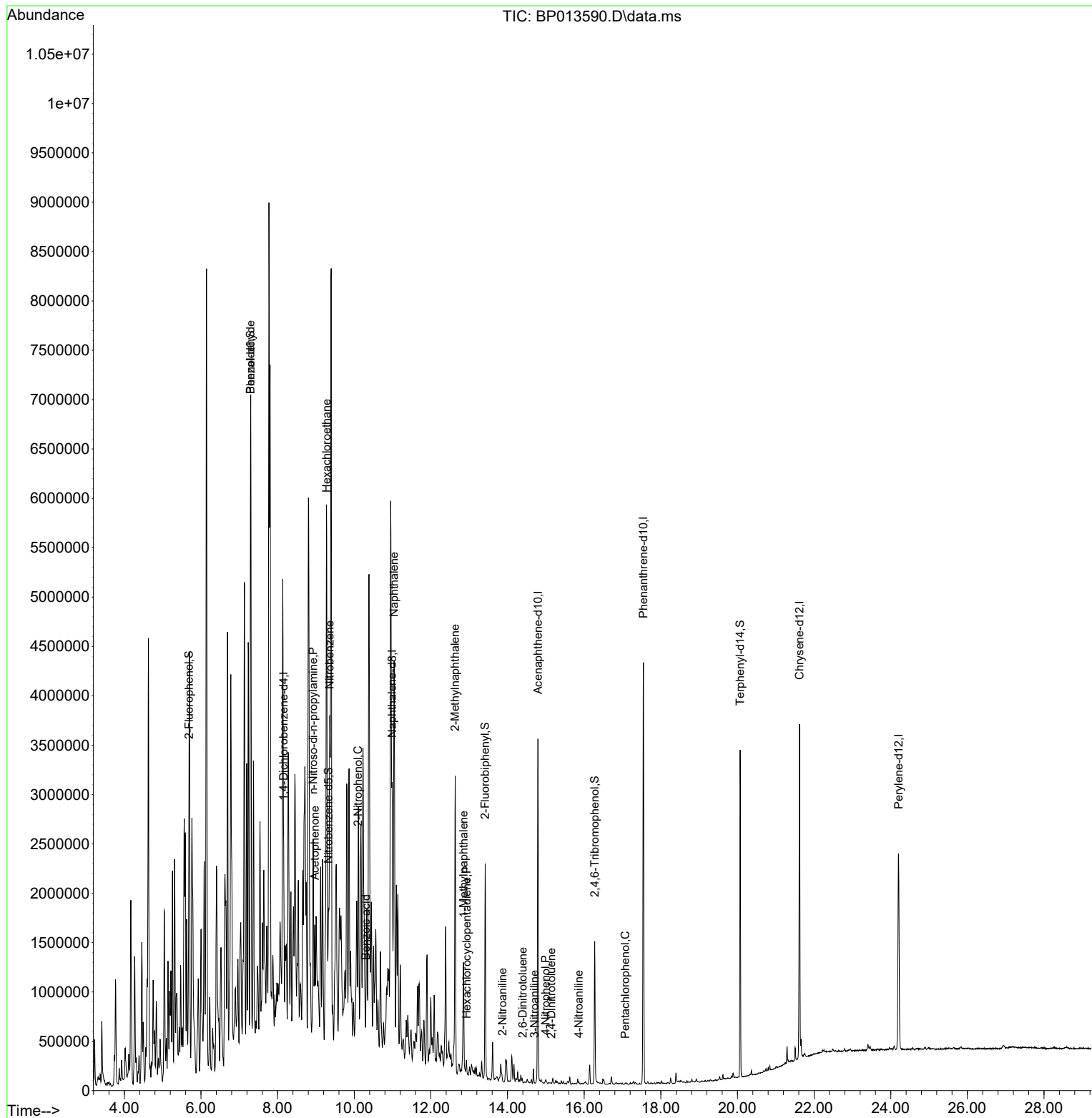
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.157	152	476799	20.000	ng	0.00
21) Naphthalene-d8	10.987	136	1980989	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	1235300	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	2590773	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1671768	20.000	ng	-0.01
86) Perylene-d12	24.204	264	1637103	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	616642	22.159	ng	0.00
7) Phenol-d6	7.293	99	772624	20.629	ng	0.00
23) Nitrobenzene-d5	9.328	82	485594	16.182	ng	0.00
42) 2,4,6-Tribromophenol	16.275	330	278533	22.479	ng	-0.01
45) 2-Fluorobiphenyl	13.416	172	1112206	12.359	ng	-0.01
79) Terphenyl-d14	20.069	244	1537432	16.544	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.293	77	157036	6.621	ng	# 1
18) Hexachloroethane	9.281	117	520110	45.191	ng	# 1
19) n-Nitroso-di-n-propyla...	8.928	70	77522	3.214	ng	# 58
22) Acetophenone	8.969	105	660779	13.002	ng	# 57
24) Nitrobenzene	9.357	77	96687	2.997	ng	# 25
26) 2-Nitrophenol	10.099	139	9809	2.888	ng	# 1
31) Naphthalene	11.040	128	2358525	22.146	ng	# 97
32) Benzoic acid	10.304	122	1732	2.077	ng	# 1
37) 2-Methylnaphthalene	12.634	142	1417002	18.719	ng	99
38) 1-Methylnaphthalene	12.851	142	522783	7.349	ng	99
41) Hexachlorocyclopentadiene	12.934	237	18	3.904	ng	88
48) 2-Nitroaniline	13.869	65	791	6.255	ng	# 45
51) 2,6-Dinitrotoluene	14.398	165	278	5.178	ng	92
53) 3-Nitroaniline	14.698	138	578	5.433	ng	# 17
54) 2,4-Dinitrophenol	14.910	184	101	Below Cal	#	1
56) 4-Nitrophenol	14.992	139	2769	5.358	ng	# 58
57) 2,4-Dinitrotoluene	15.145	165	149	5.200	ng	# 63
62) 4-Nitroaniline	15.857	138	908	3.706	ng	# 29
70) Pentachlorophenol	17.069	266	77	5.332	ng	92

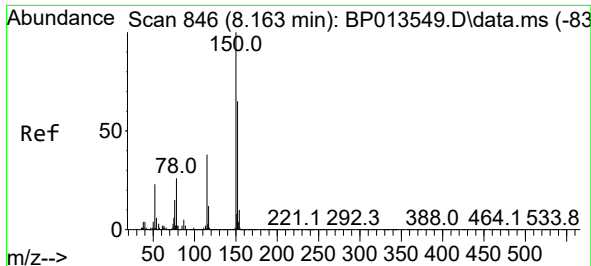
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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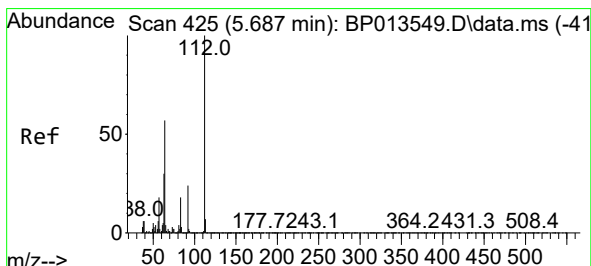
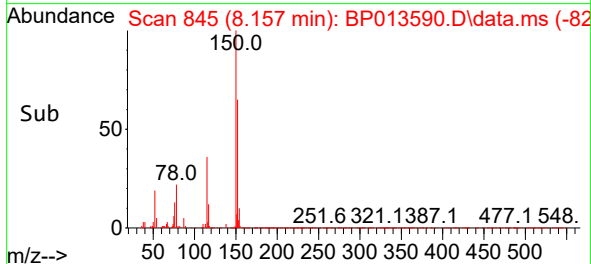
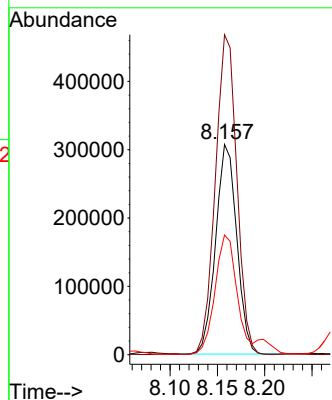
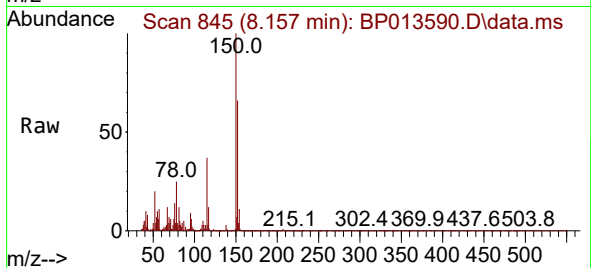




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.157 min Scan# 846
Delta R.T. -0.007 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

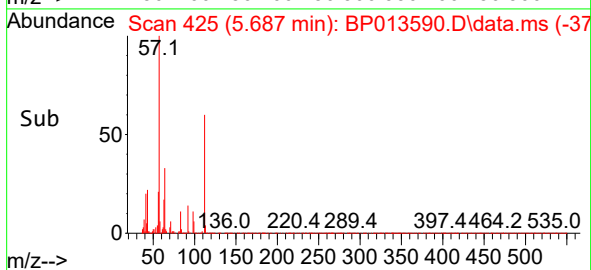
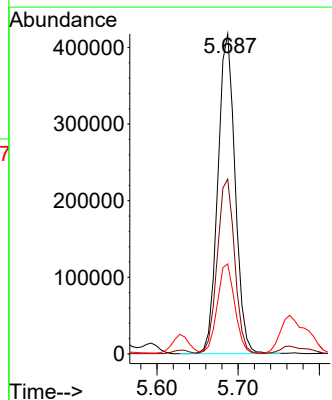
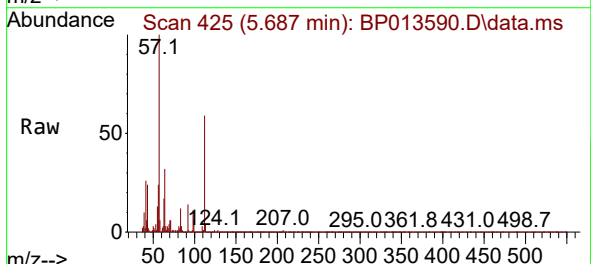
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

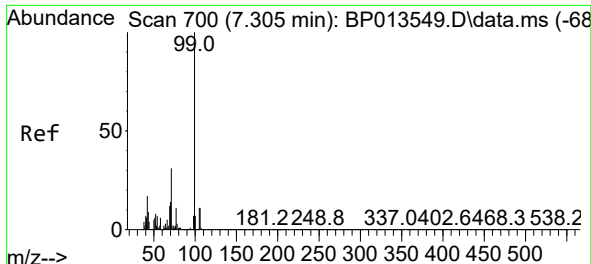
Tgt Ion:152 Resp: 476799
Ion Ratio Lower Upper
152 100
150 152.2 122.4 183.6
115 56.9 46.1 69.1



#5
2-Fluorophenol
Concen: 22.159 ng
RT: 5.687 min Scan# 425
Delta R.T. -0.000 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion:112 Resp: 616642
Ion Ratio Lower Upper
112 100
64 54.6 45.4 68.0
63 28.2 24.1 36.1

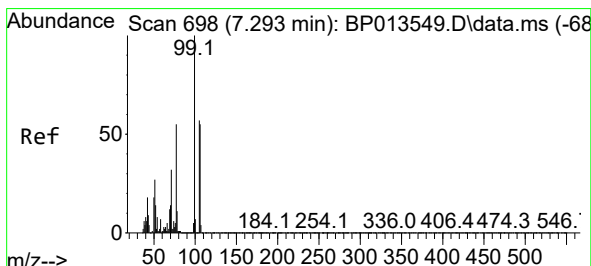
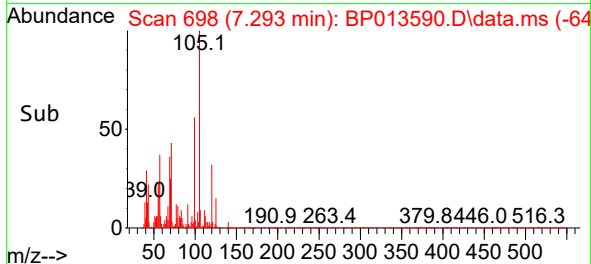
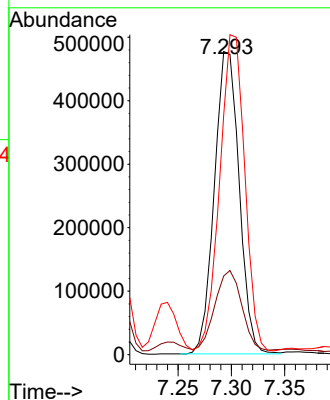
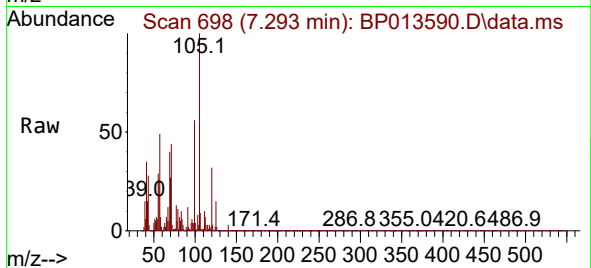




#7
Phenol-d6
Concen: 20.629 ng
RT: 7.293 min Scan# 698
Delta R.T. -0.006 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

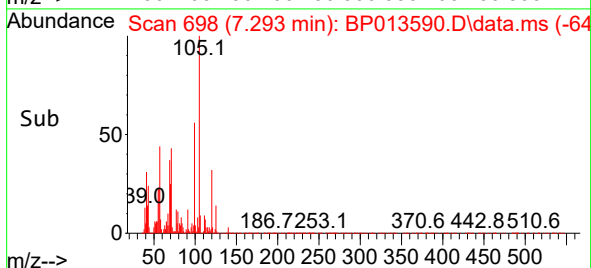
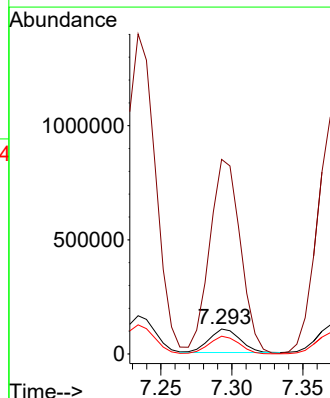
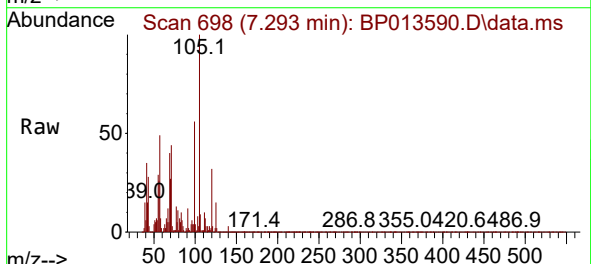
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

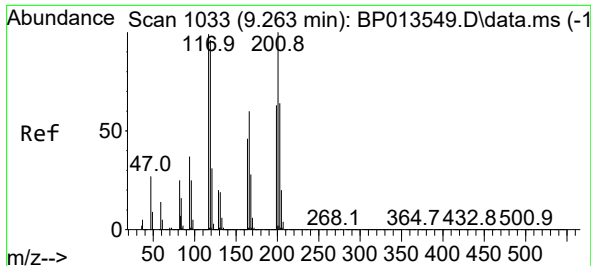
Tgt Ion: 99 Resp: 772624
Ion Ratio Lower Upper
99 100
42 25.9 14.0 21.0#
71 79.1 24.7 37.1#



#9
Benzaldehyde
Concen: 6.621 ng
RT: 7.293 min Scan# 698
Delta R.T. 0.006 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion: 77 Resp: 157036
Ion Ratio Lower Upper
77 100
105 781.2 82.6 122.6#
106 71.4 78.9 118.9#

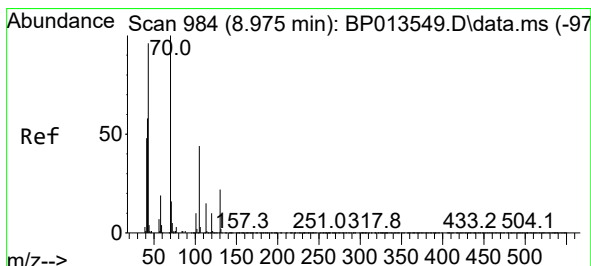
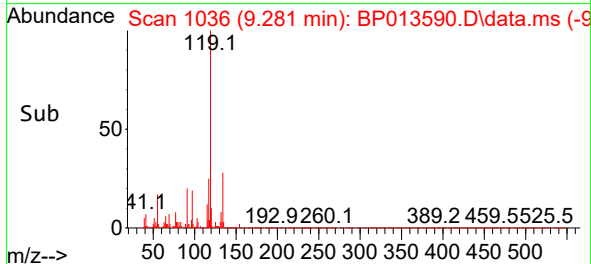
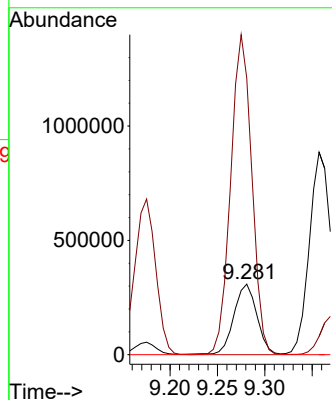
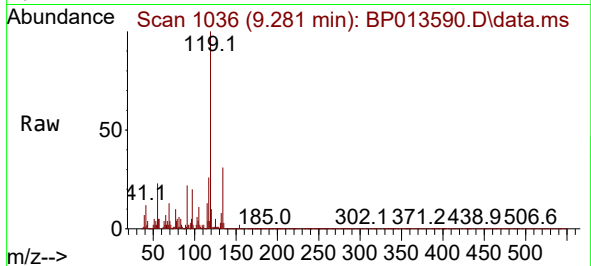




#18
Hexachloroethane
Concen: 45.191 ng
RT: 9.281 min Scan# 1036
Delta R.T. 0.023 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

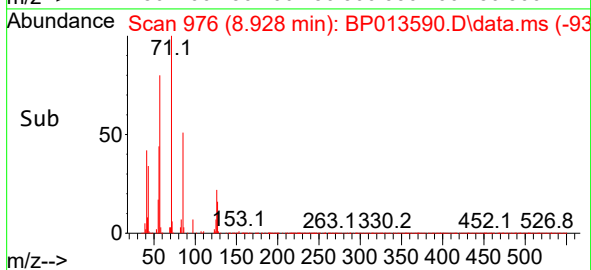
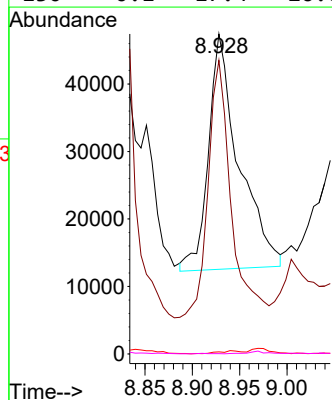
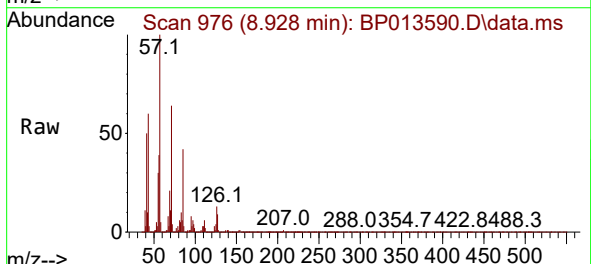
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

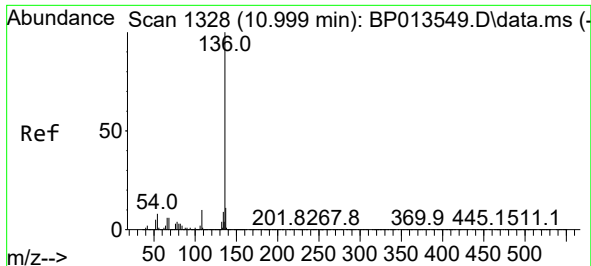
Tgt Ion:117 Resp: 520110
Ion Ratio Lower Upper
117 100
119 391.9 77.0 115.6#
201 0.0 80.6 120.8#



#19
n-Nitroso-di-n-propylamine
Concen: 3.214 ng
RT: 8.928 min Scan# 976
Delta R.T. -0.047 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion: 70 Resp: 77522
Ion Ratio Lower Upper
70 100
42 91.7 47.2 70.8#
101 0.7 8.0 12.0#
130 0.1 17.4 26.0#

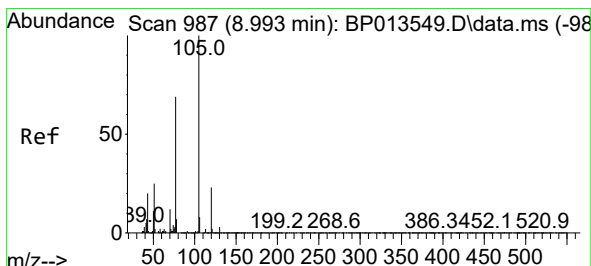
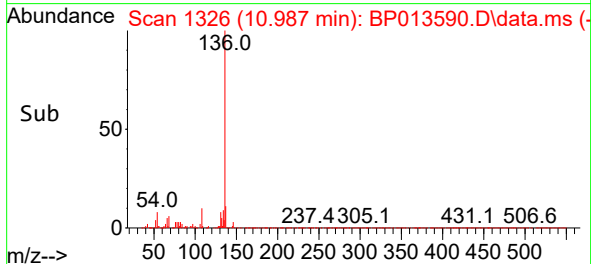
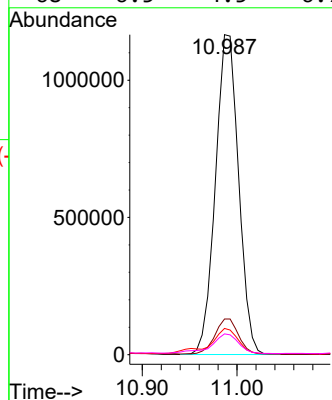
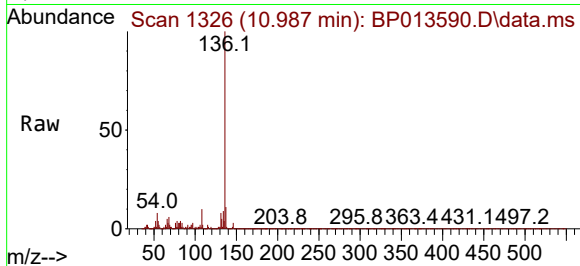




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.987 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

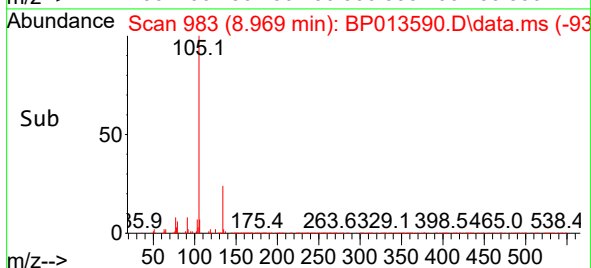
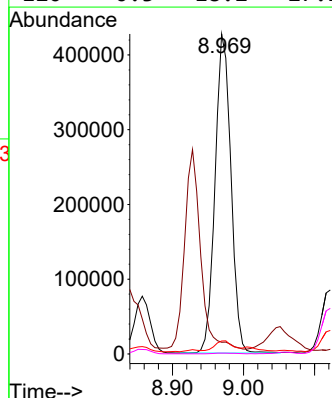
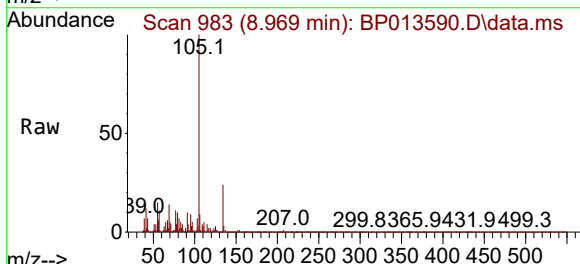
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

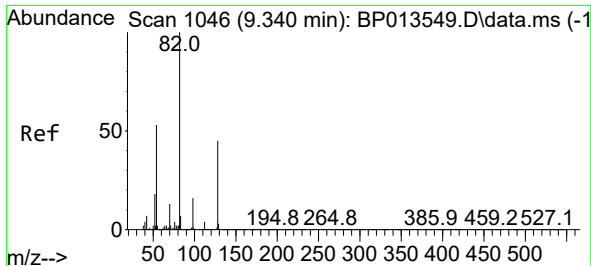
Tgt Ion:136 Resp: 1980989
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.2 6.6 9.8
68 6.5 4.5 6.7



#22
Acetophenone
Concen: 13.002 ng
RT: 8.969 min Scan# 983
Delta R.T. -0.024 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion:105 Resp: 660779
Ion Ratio Lower Upper
105 100
71 3.6 1.8 2.8#
51 4.0 21.1 31.7#
120 0.3 18.2 27.2#





#23

Nitrobenzene-d5

Concen: 16.182 ng

RT: 9.328 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

Instrument :

BNA_P

ClientSampleId :

B-P38CDL

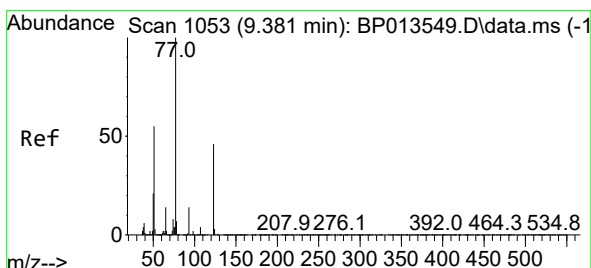
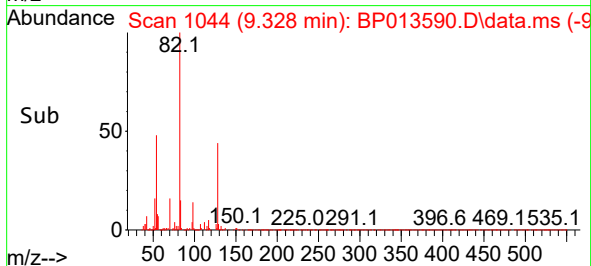
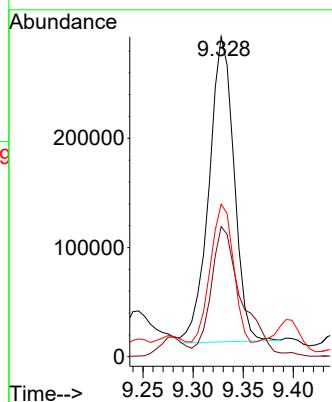
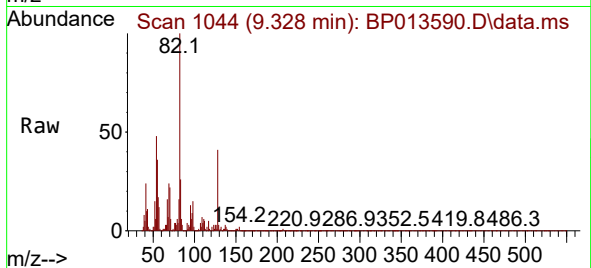
Tgt Ion: 82 Resp: 485594

Ion Ratio Lower Upper

82 100

128 40.6 35.8 53.6

54 47.7 42.6 64.0



#24

Nitrobenzene

Concen: 2.997 ng

RT: 9.357 min Scan# 1049

Delta R.T. -0.018 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

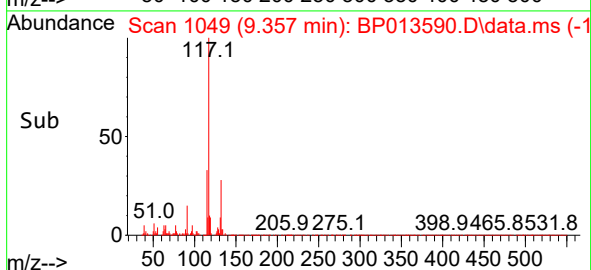
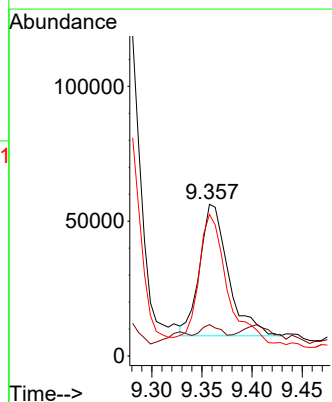
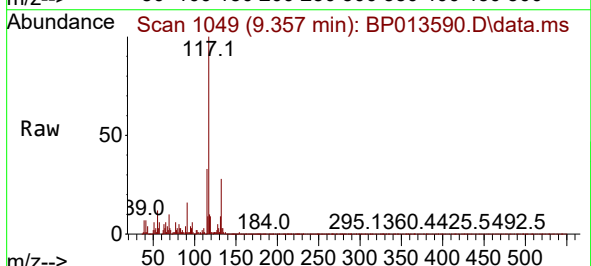
Tgt Ion: 77 Resp: 96687

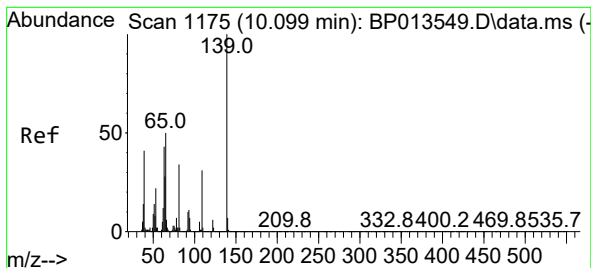
Ion Ratio Lower Upper

77 100

123 20.6 37.2 55.8#

65 93.3 11.1 16.7#





#26

2-Nitrophenol

Concen: 2.888 ng

RT: 10.099 min Scan# 1175

Delta R.T. 0.006 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

Instrument :

BNA_P

ClientSampleId :

B-P38CDL

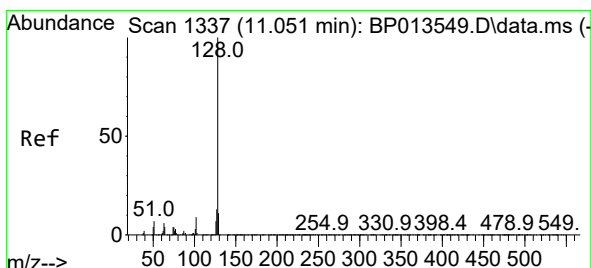
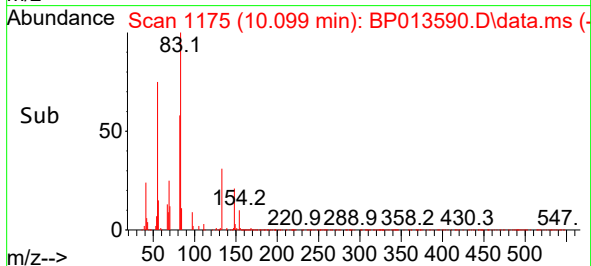
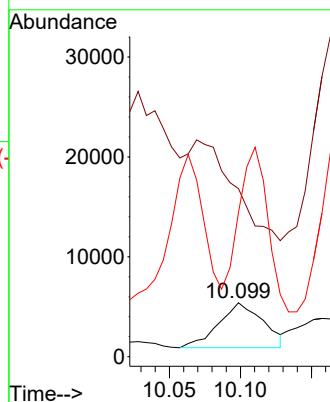
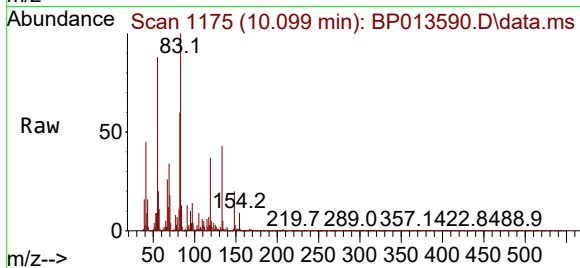
Tgt Ion:139 Resp: 9809

Ion Ratio Lower Upper

139 100

109 311.4 25.1 37.7#

65 266.8 40.1 60.1#



#31

Naphthalene

Concen: 22.146 ng

RT: 11.040 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

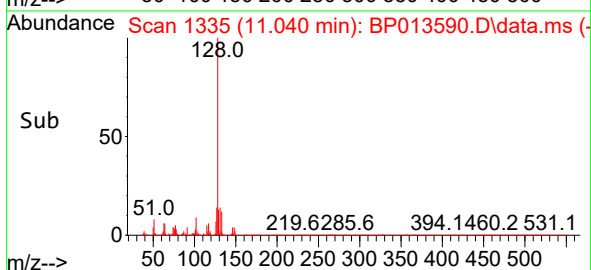
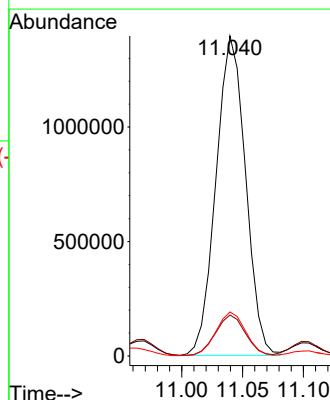
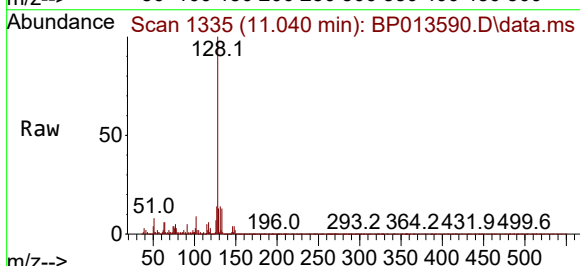
Tgt Ion:128 Resp: 2358525

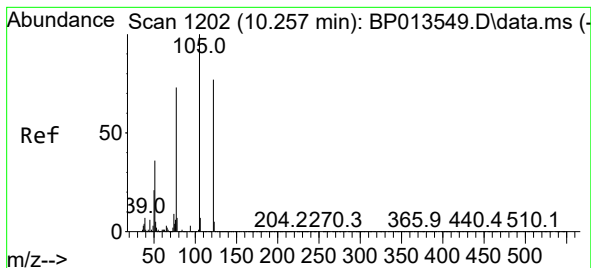
Ion Ratio Lower Upper

128 100

129 12.8 8.5 12.7#

127 13.8 10.6 16.0

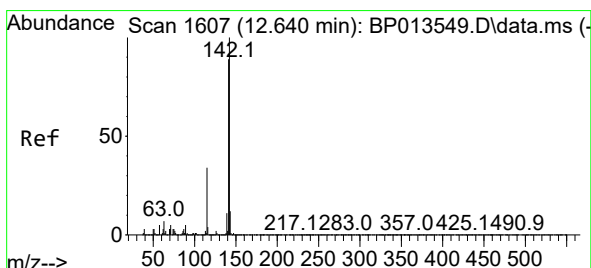
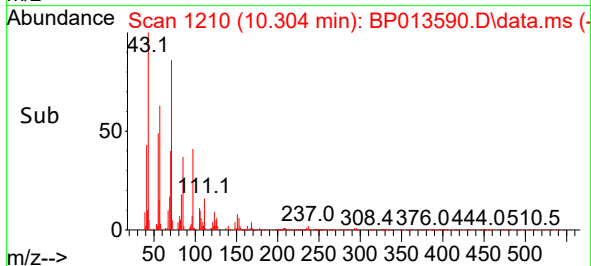
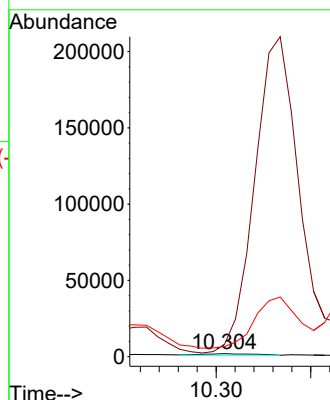
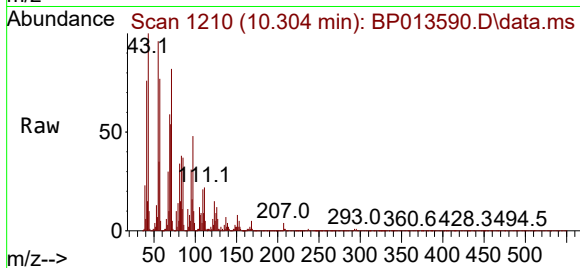




#32
Benzoic acid
Concen: 2.077 ng
RT: 10.304 min Scan# 11
Delta R.T. 0.035 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

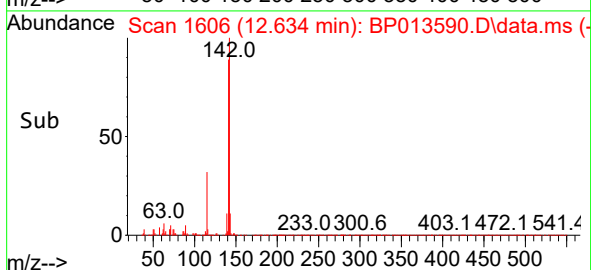
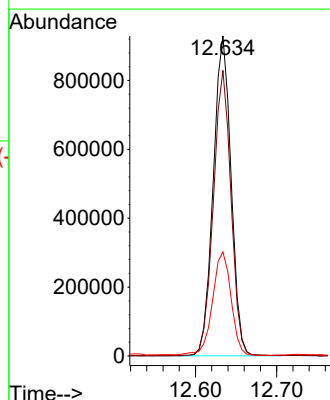
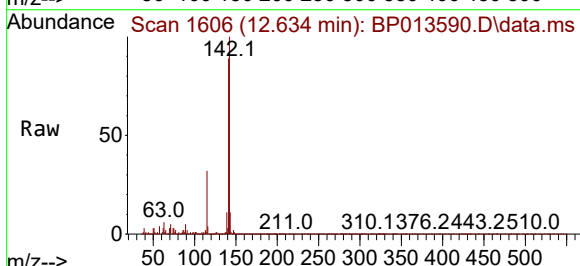
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

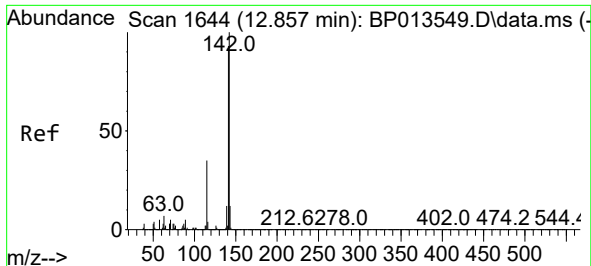
Tgt Ion:122 Resp: 1732
Ion Ratio Lower Upper
122 100
105 411.9 100.5 140.5#
77 339.3 70.9 110.9#



#37
2-Methylnaphthalene
Concen: 18.719 ng
RT: 12.634 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion:142 Resp: 1417002
Ion Ratio Lower Upper
142 100
141 89.3 71.4 107.2
115 32.5 27.4 41.2

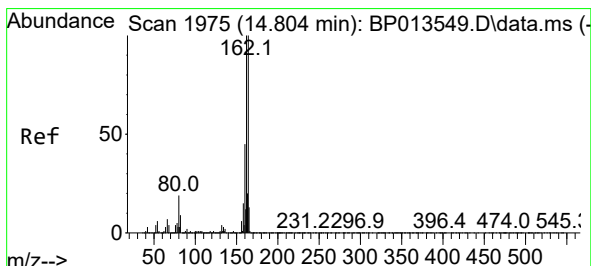
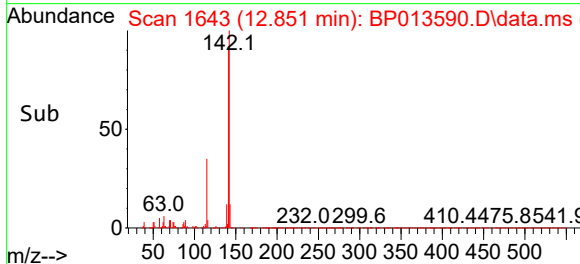
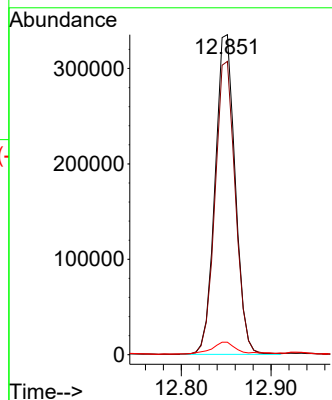
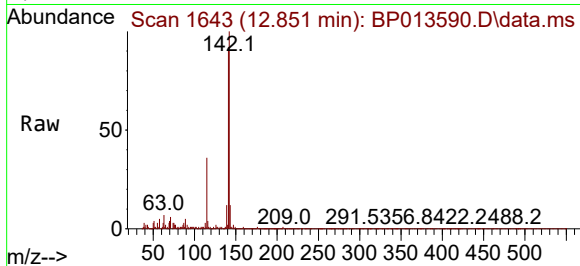




#38
1-Methylnaphthalene
Concen: 7.349 ng
RT: 12.851 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

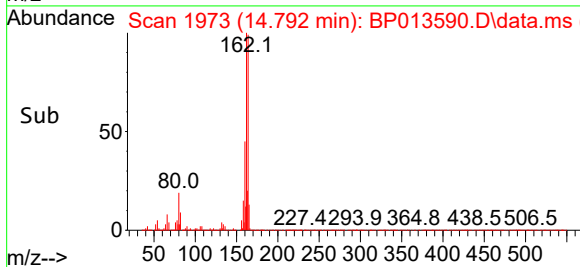
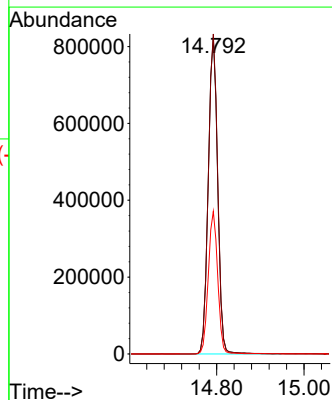
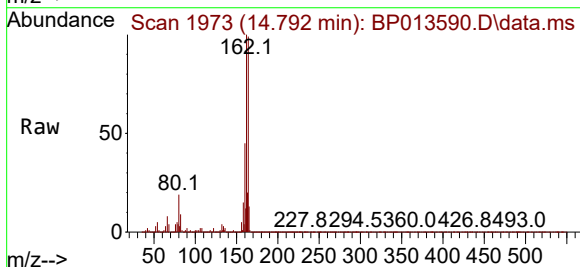
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

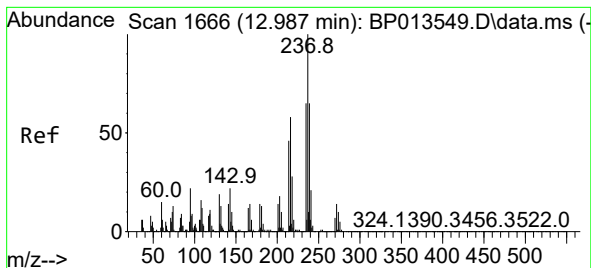
Tgt Ion:142 Resp: 522783
Ion Ratio Lower Upper
142 100
141 91.7 74.3 111.5
116 3.9 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion:164 Resp: 1235300
Ion Ratio Lower Upper
164 100
162 101.1 80.1 120.1
160 45.0 35.9 53.9





#41

Hexachlorocyclopentadiene

Concen: 3.904 ng

RT: 12.934 min Scan# 1657

Delta R.T. -0.047 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

Instrument :

BNA_P

ClientSampleId :

B-P38CDL

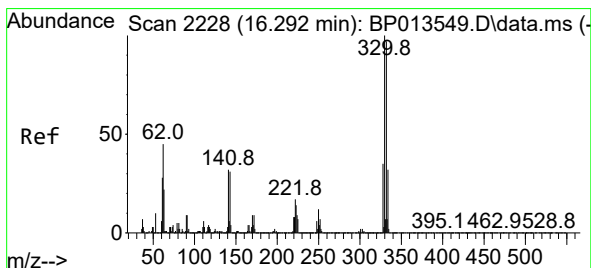
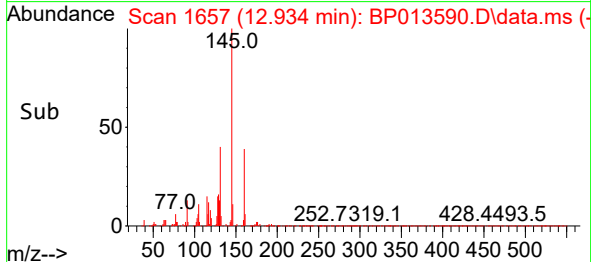
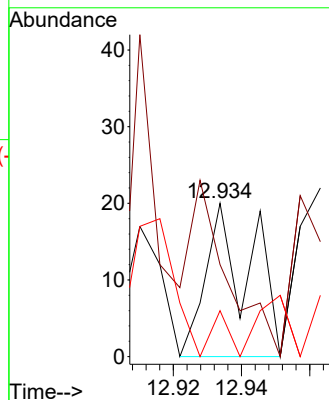
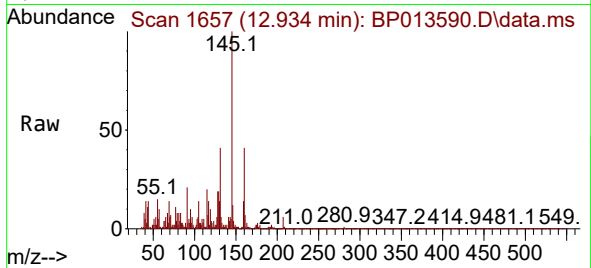
Tgt Ion:237 Resp: 18

Ion Ratio Lower Upper

237 100

235 60.0 44.6 84.6

272 30.0 0.0 33.9



#42

2,4,6-Tribromophenol

Concen: 22.479 ng

RT: 16.275 min Scan# 2225

Delta R.T. -0.012 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

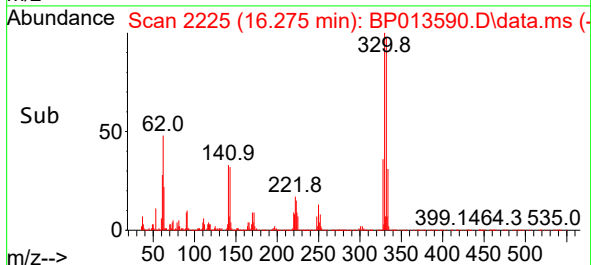
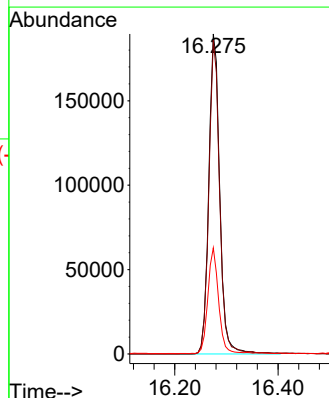
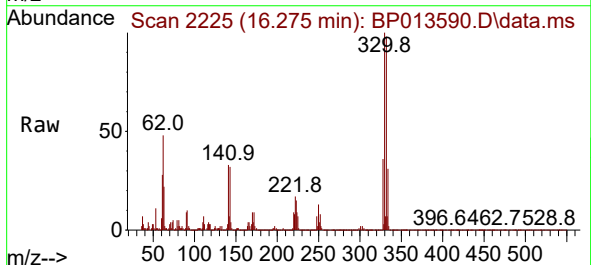
Tgt Ion:330 Resp: 278533

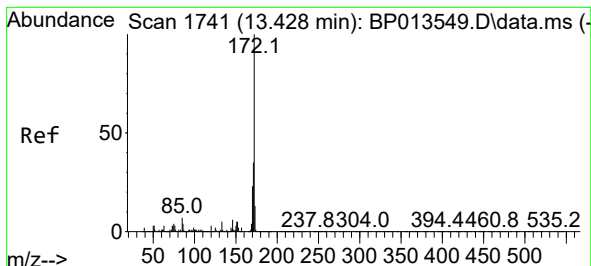
Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

141 32.8 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 12.359 ng

RT: 13.416 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

Instrument :

BNA_P

ClientSampleId :

B-P38CDL

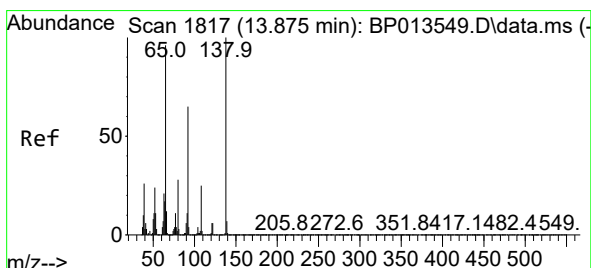
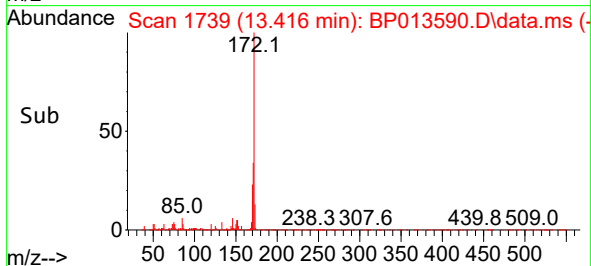
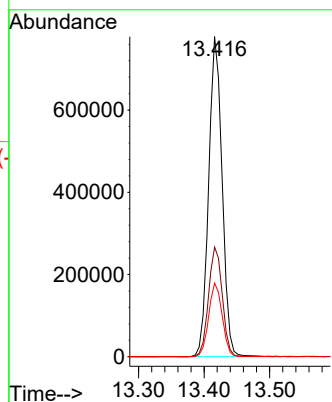
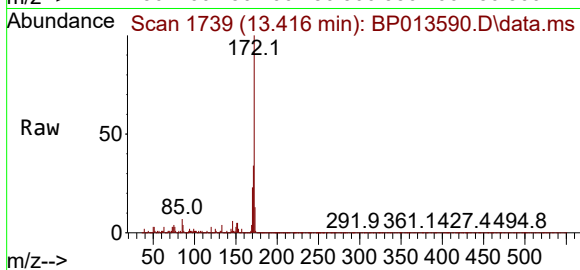
Tgt Ion:172 Resp: 1112206

Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.8

170 23.0 18.6 27.8



#48

2-Nitroaniline

Concen: 6.255 ng

RT: 13.869 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

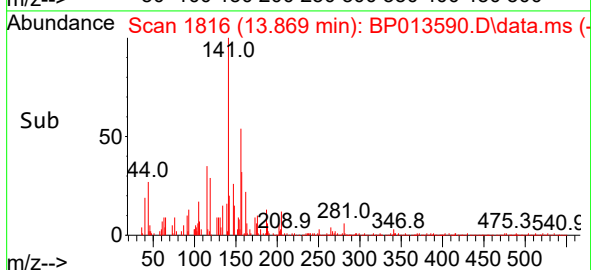
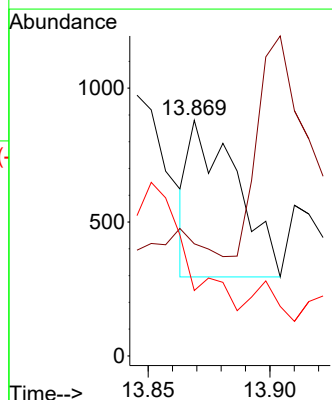
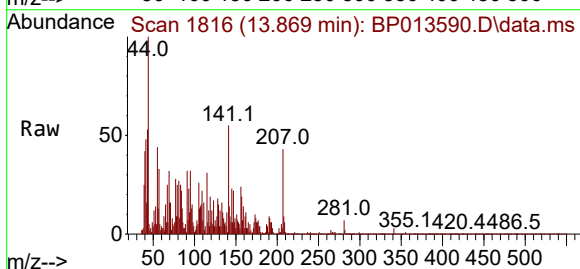
Tgt Ion: 65 Resp: 791

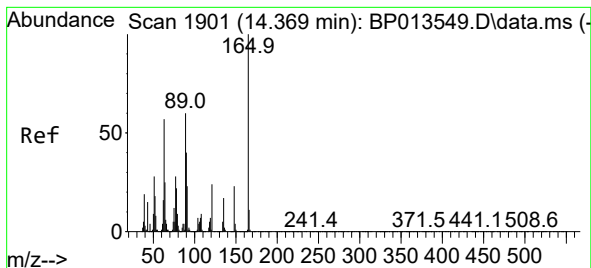
Ion Ratio Lower Upper

65 100

92 47.6 54.1 81.1#

138 27.7 83.6 125.4#

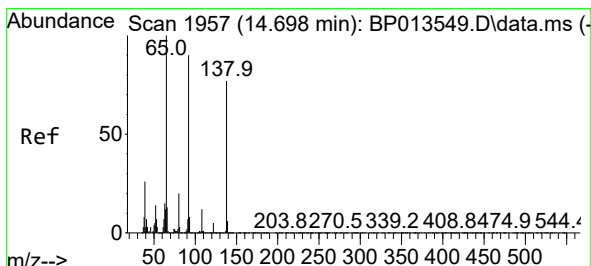
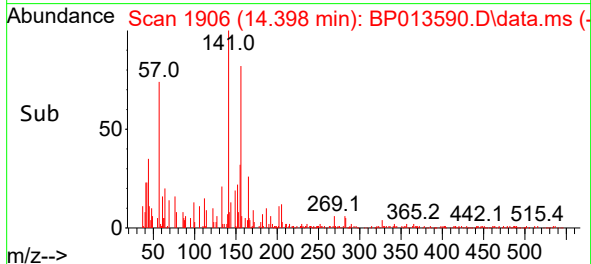
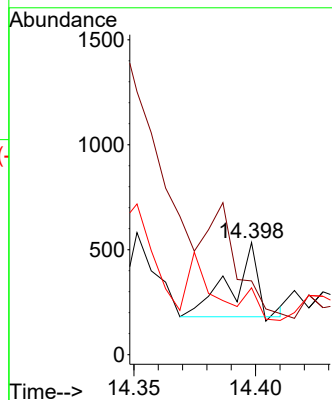
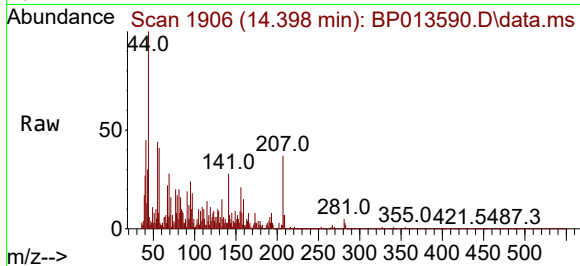




#51
2,6-Dinitrotoluene
Concen: 5.178 ng
RT: 14.398 min Scan# 1906
Delta R.T. 0.035 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

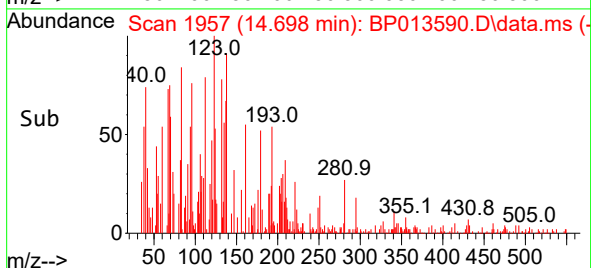
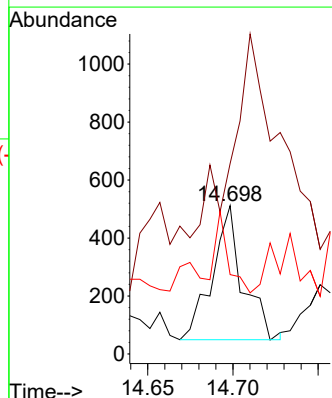
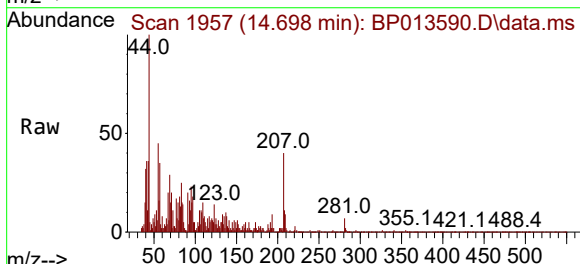
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

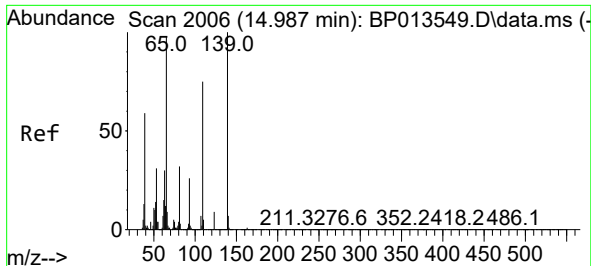
Tgt Ion:165 Resp: 278
Ion Ratio Lower Upper
165 100
63 65.7 47.2 70.8
89 64.4 47.8 71.6



#53
3-Nitroaniline
Concen: 5.433 ng
RT: 14.698 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion:138 Resp: 578
Ion Ratio Lower Upper
138 100
108 128.3 12.8 19.2#
92 53.5 93.3 139.9#

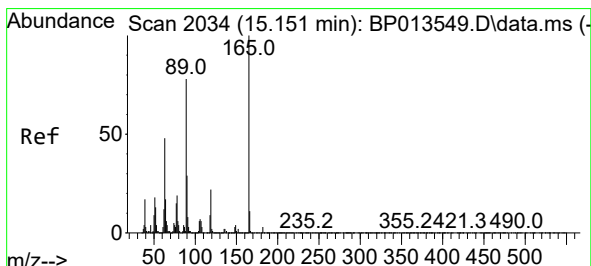
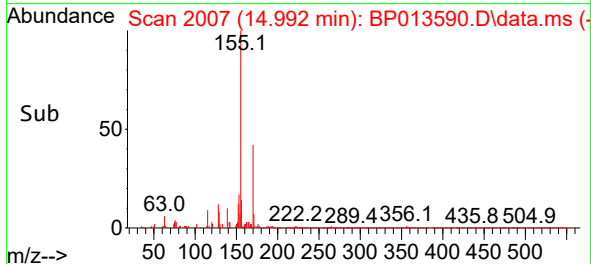
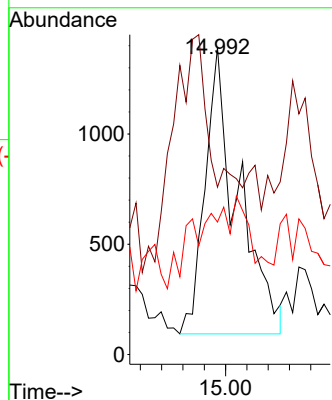
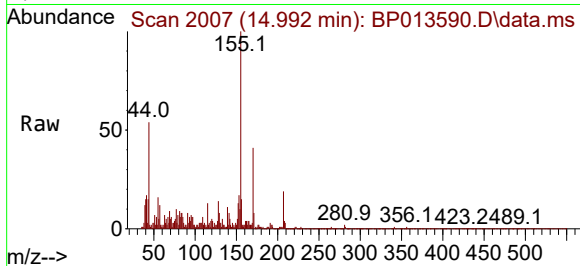




#56
4-Nitrophenol
Concen: 5.358 ng
RT: 14.992 min Scan# 2007
Delta R.T. 0.012 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

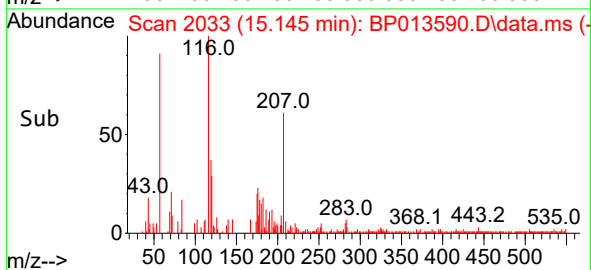
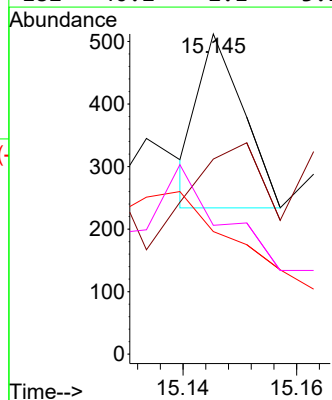
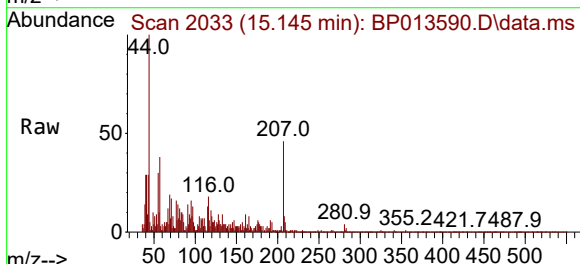
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

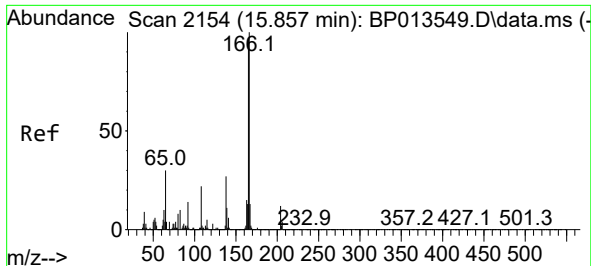
Tgt Ion:139 Resp: 2769
Ion Ratio Lower Upper
139 100
109 54.5 55.0 95.0#
65 43.1 77.7 117.7#



#57
2,4-Dinitrotoluene
Concen: 5.200 ng
RT: 15.145 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion:165 Resp: 149
Ion Ratio Lower Upper
165 100
63 60.9 38.3 57.5#
89 38.3 62.1 93.1#
182 40.2 2.1 3.1#

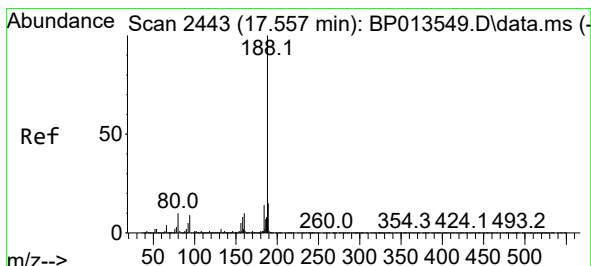
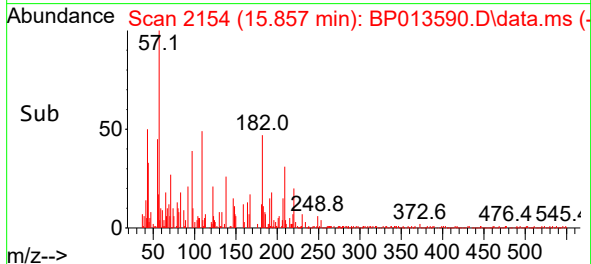
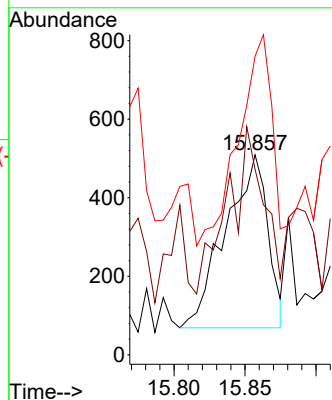
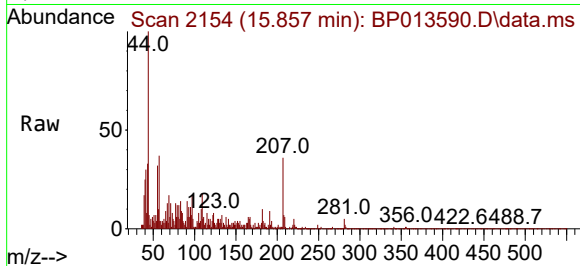




#62
4-Nitroaniline
Concen: 3.706 ng
RT: 15.857 min Scan# 2154
Delta R.T. -0.000 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

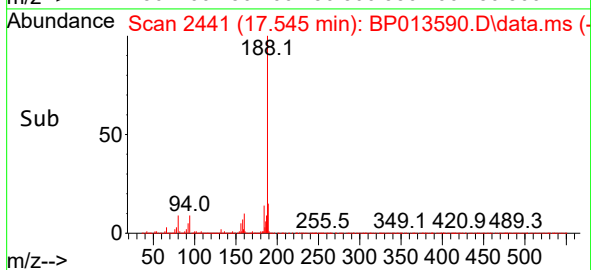
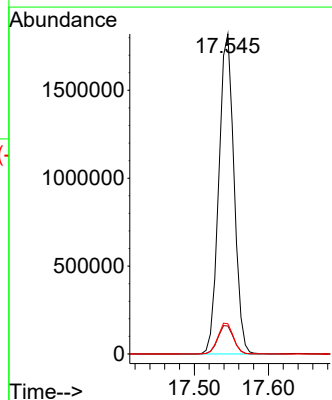
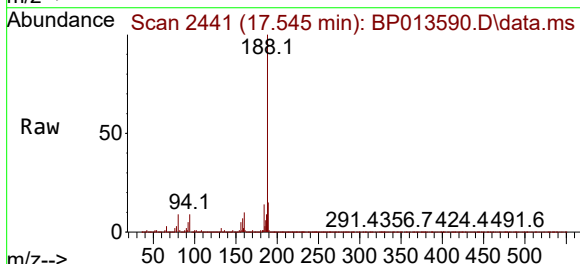
Instrument :
BNA_P
ClientSampleId :
B-P38CDL

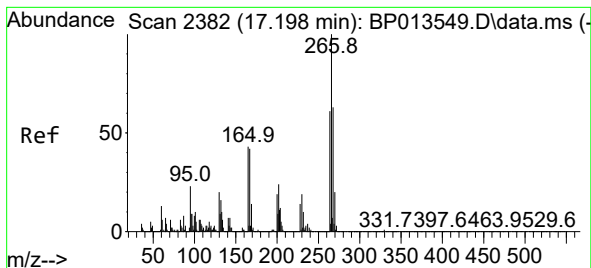
Tgt Ion:138 Resp: 908
Ion Ratio Lower Upper
138 100
92 92.7 32.3 72.3#
108 149.3 59.2 99.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.545 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BP013590.D
Acq: 25 Jan 2023 02:09

Tgt Ion:188 Resp: 2590773
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 9.5 8.2 12.2





#70

Pentachlorophenol

Concen: 5.332 ng

RT: 17.069 min Scan# 21

Delta R.T. -0.124 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

Instrument :

BNA_P

ClientSampleId :

B-P38CDL

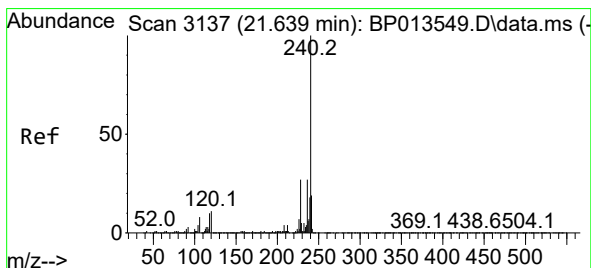
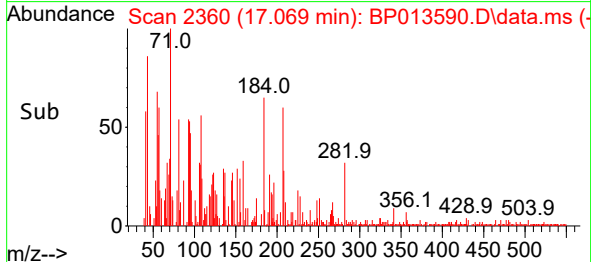
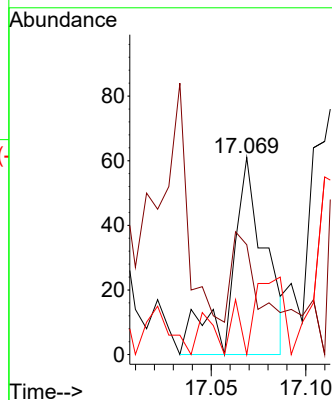
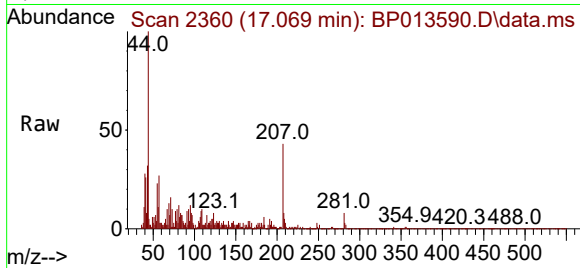
Tgt Ion:266 Resp: 77

Ion Ratio Lower Upper

266 100

268 55.7 50.7 76.1

264 65.6 48.9 73.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.616 min Scan# 3133

Delta R.T. -0.012 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

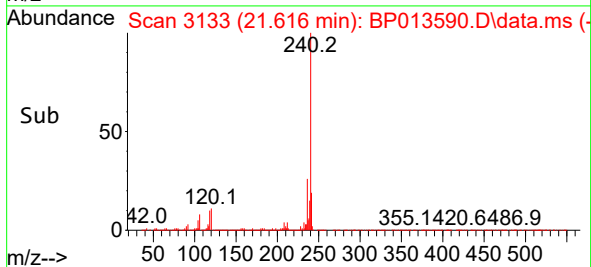
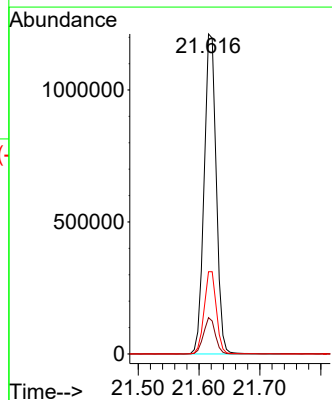
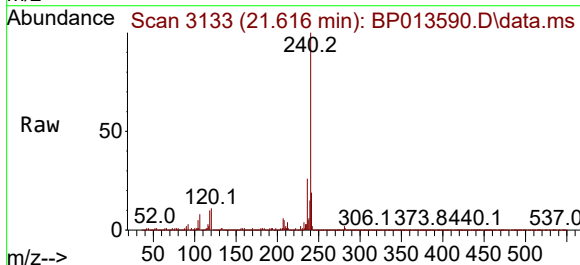
Tgt Ion:240 Resp: 1671768

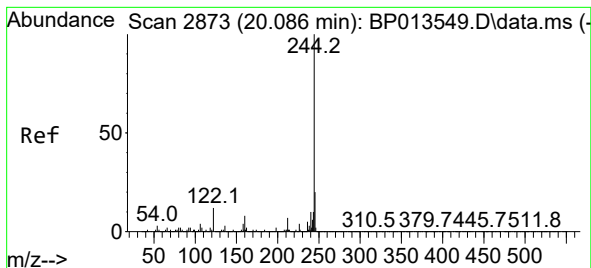
Ion Ratio Lower Upper

240 100

120 11.4 8.6 13.0

236 25.7 21.3 31.9





#79

Terphenyl-d14

Concen: 16.544 ng

RT: 20.069 min Scan# 2

Delta R.T. -0.012 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

Instrument :

BNA_P

ClientSampleId :

B-P38CDL

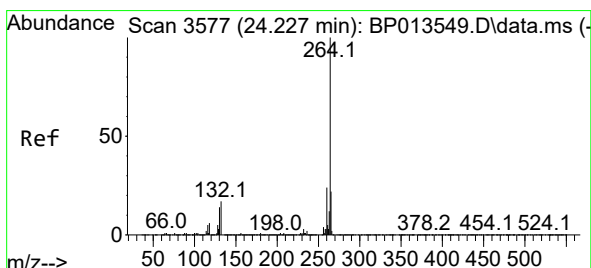
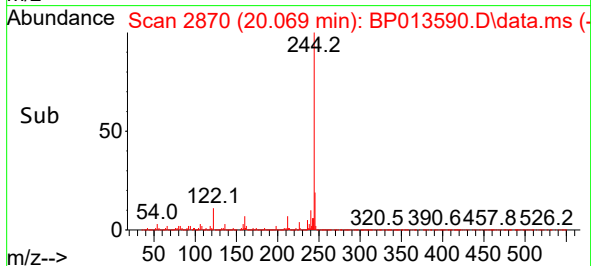
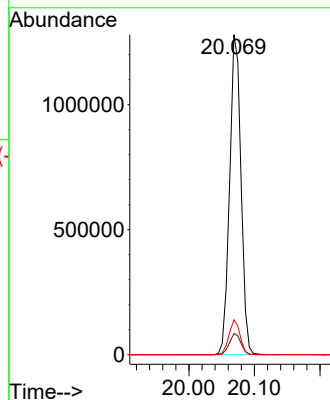
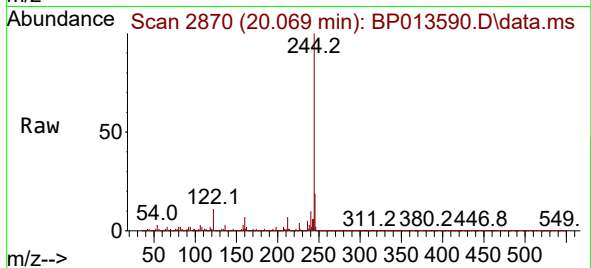
Tgt Ion:244 Resp: 1537432

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.9 9.2 13.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.204 min Scan# 3573

Delta R.T. -0.012 min

Lab File: BP013590.D

Acq: 25 Jan 2023 02:09

Tgt Ion:264 Resp: 1637103

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.1 17.4 26.2

