

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
 Data File : BP013949.D
 Acq On : 03 Mar 2023 18:40
 Operator : CG/JU
 Sample : 01767-15RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CE-33-030123

Quant Time: Mar 04 00:58:03 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)

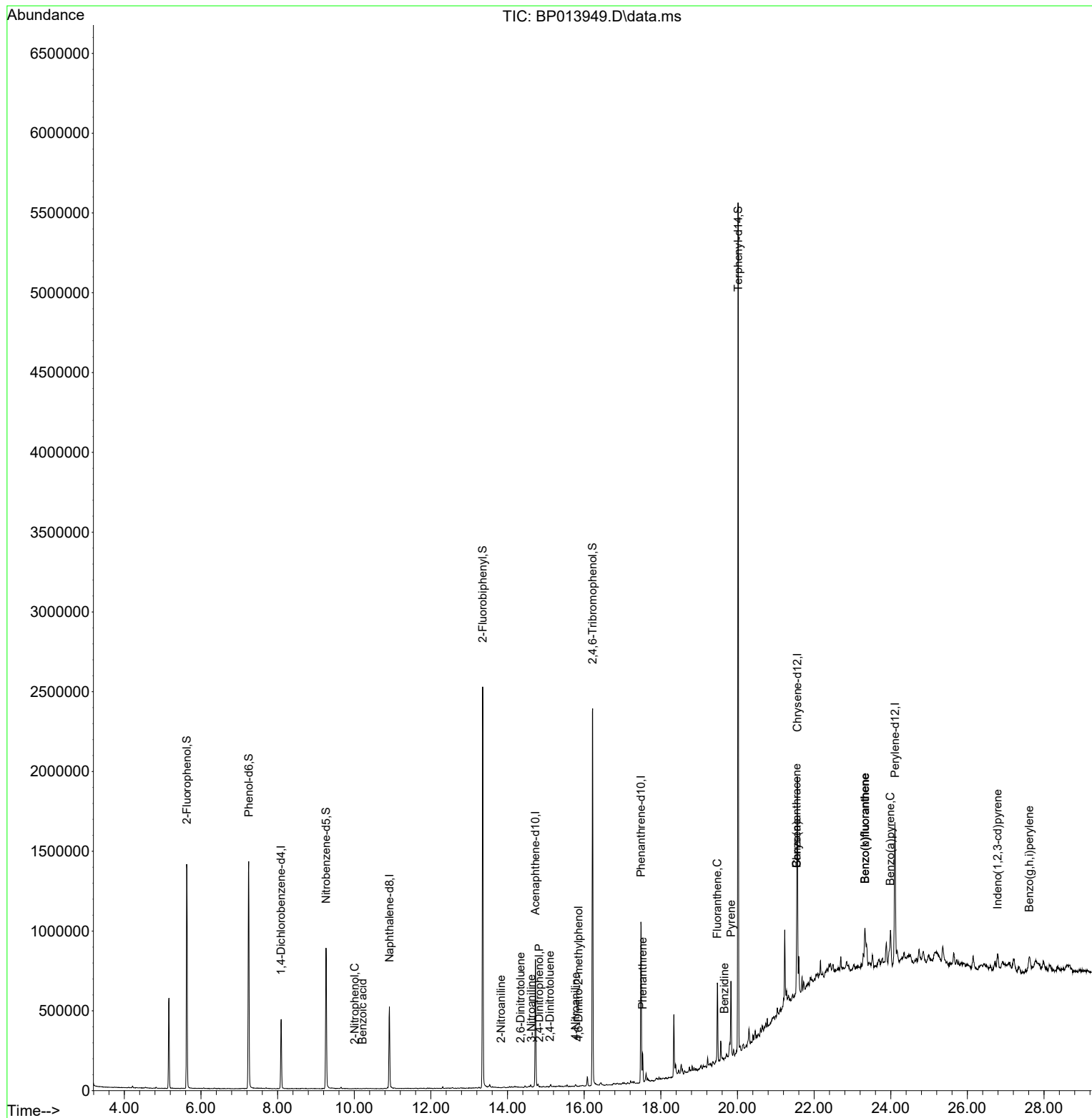
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	114391	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	403608	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	267732	20.000	ng	0.00
64) Phenanthrene-d10	17.481	188	612848	20.000	ng	0.00
76) Chrysene-d12	21.563	240	637632	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	743906	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	577132	83.151	ng	0.00
7) Phenol-d6	7.246	99	788335	88.685	ng	0.00
23) Nitrobenzene-d5	9.263	82	523120	69.990	ng	0.00
42) 2,4,6-Tribromophenol	16.222	330	473876	121.591	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	1227296	60.210	ng	0.00
79) Terphenyl-d14	20.016	244	2491276	75.172	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.010	139	35	2.777	ng	# 1
32) Benzoic acid	10.216	122	74	5.089	ng	# 1
48) 2-Nitroaniline	13.828	65	382	3.306	ng	# 35
51) 2,6-Dinitrotoluene	14.340	165	288	2.046	ng	# 62
53) 3-Nitroaniline	14.622	138	32	2.014	ng	# 72
54) 2,4-Dinitrophenol	14.828	184	14	5.266	ng	# 1
57) 2,4-Dinitrotoluene	15.104	165	170	2.306	ng	# 69
62) 4-Nitroaniline	15.775	138	83	2.563	ng	# 69
65) 4,6-Dinitro-2-methylph...	15.851	198	11	4.626	ng	# 1
71) Phenanthrene	17.528	178	107850	3.141	ng	97
75) Fluoranthene	19.475	202	301659	7.048	ng	98
77) Benzidine	19.663	184	537	2.322	ng	# 1
78) Pyrene	19.833	202	296276	6.799	ng	98
81) Benzo(a)anthracene	21.545	228	172326	3.774	ng	97
83) Chrysene	21.545	228	172326	3.896	ng	96
87) Indeno(1,2,3-cd)pyrene	26.786	276	126958	2.194	ng	# 93
88) Benzo(b)fluoranthene	23.327	252	229978	4.888	ng	# 94
89) Benzo(k)fluoranthene	23.327	252	229978	4.816	ng	# 93
90) Benzo(a)pyrene	23.992	252	187321	4.118	ng	98
92) Benzo(g,h,i)perylene	27.615	276	134447	2.804	ng	# 94

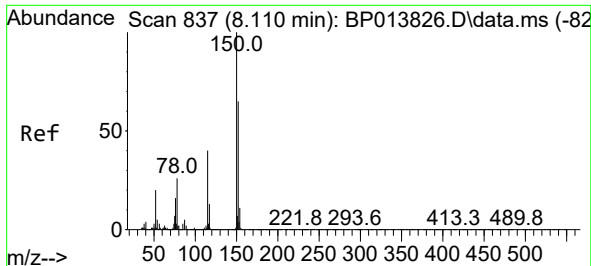
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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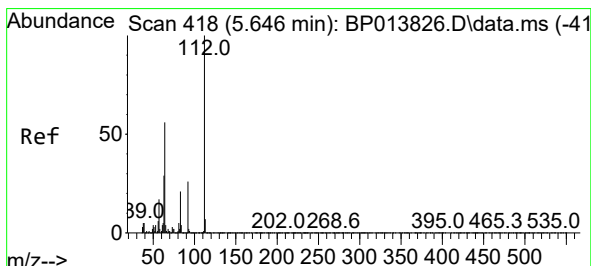
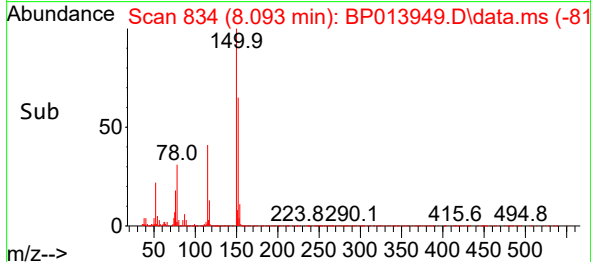
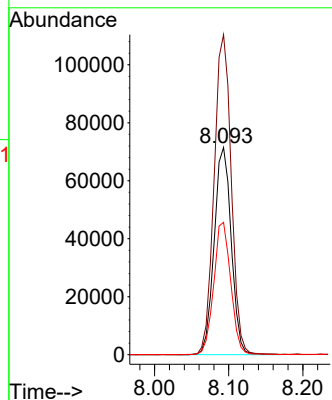
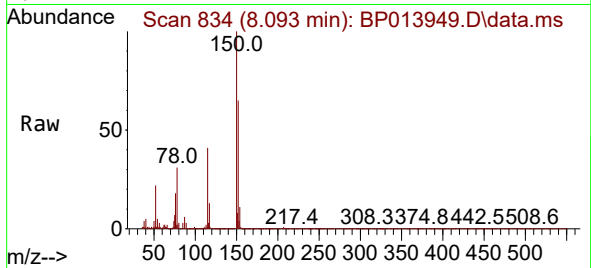




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

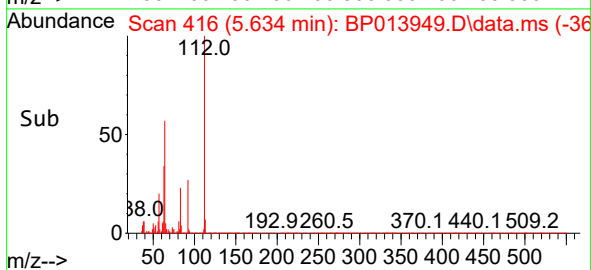
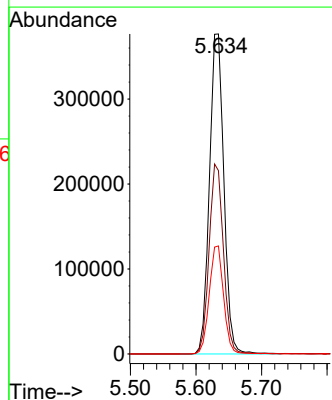
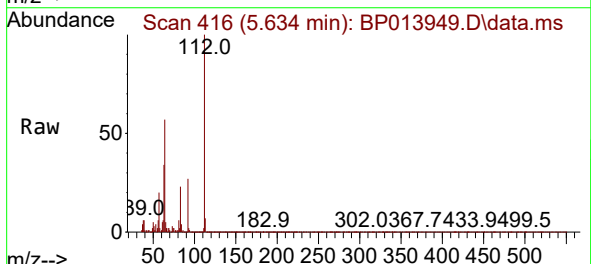
Instrument :
BNA_P
ClientSampleId :
CE-33-030123

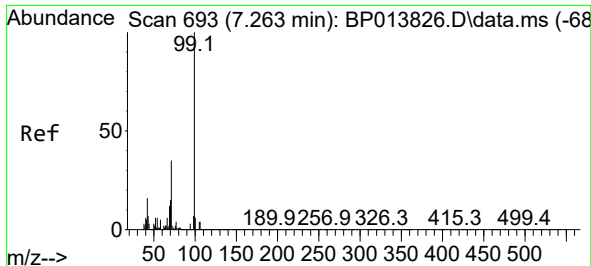
Tgt Ion:152 Resp: 114391
Ion Ratio Lower Upper
152 100
150 154.4 122.8 184.2
115 63.9 49.0 73.6



#5
2-Fluorophenol
Concen: 83.151 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:112 Resp: 577132
Ion Ratio Lower Upper
112 100
64 57.3 44.6 66.8
63 33.8 23.6 35.4

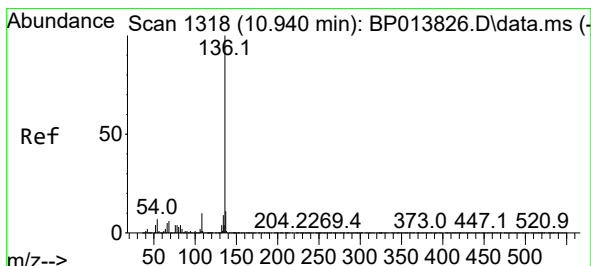
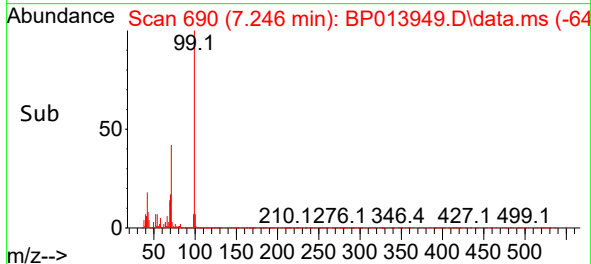
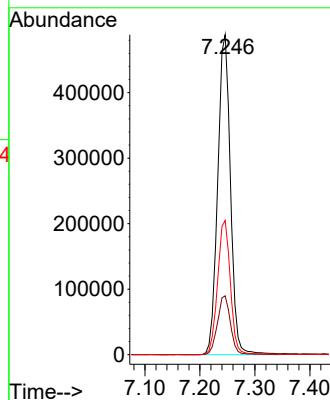
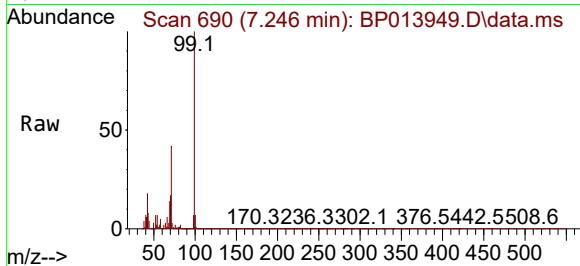




#7
Phenol-d6
Concen: 88.685 ng
RT: 7.246 min Scan# 64
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

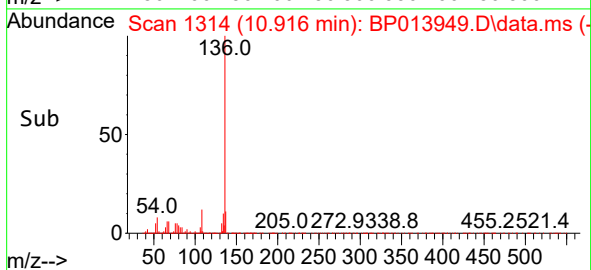
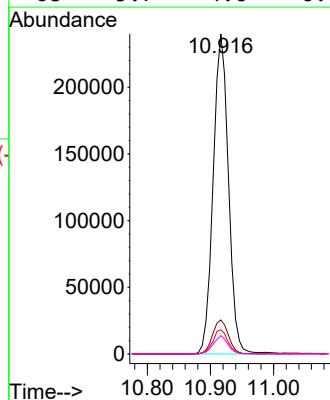
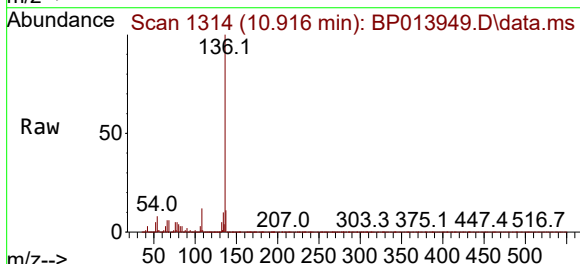
Instrument :
BNA_P
ClientSampleId :
CE-33-030123

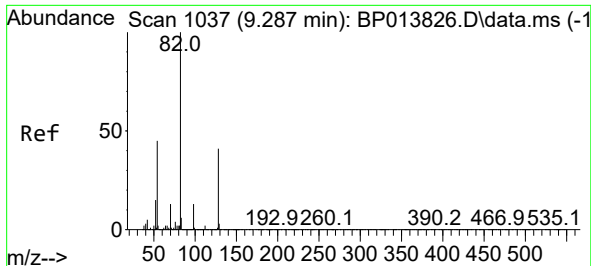
Tgt Ion: 99 Resp: 788335
Ion Ratio Lower Upper
99 100
42 18.4 12.5 18.7
71 42.0 27.8 41.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion: 136 Resp: 403608
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.6 5.8 8.6
68 5.7 4.6 6.8

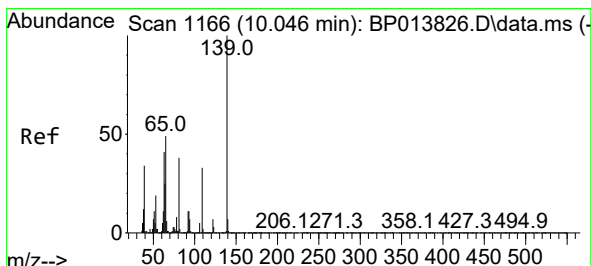
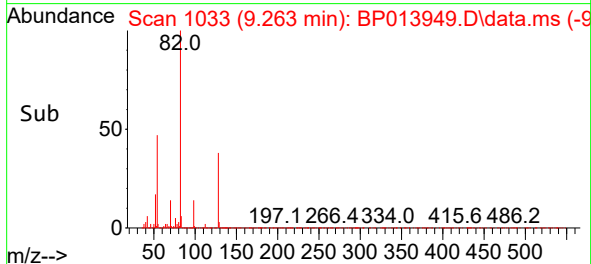
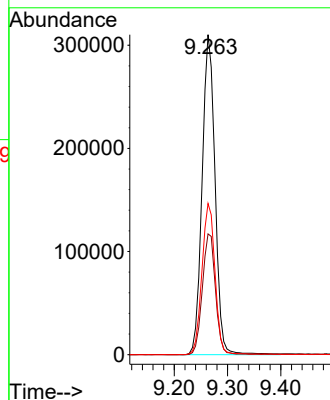
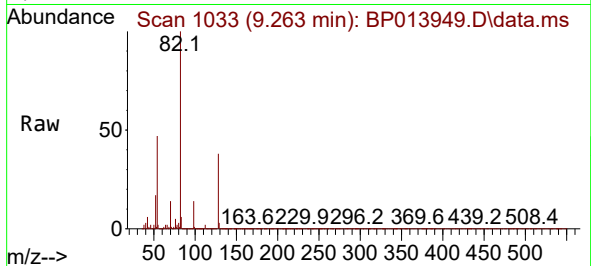




#23
Nitrobenzene-d5
Concen: 69.990 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

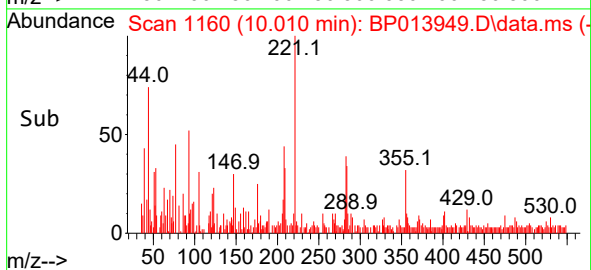
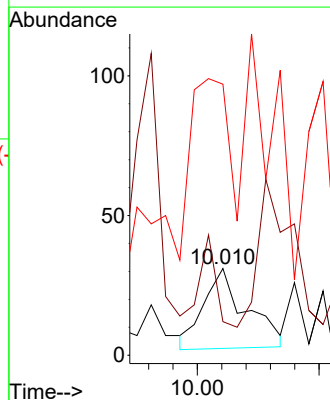
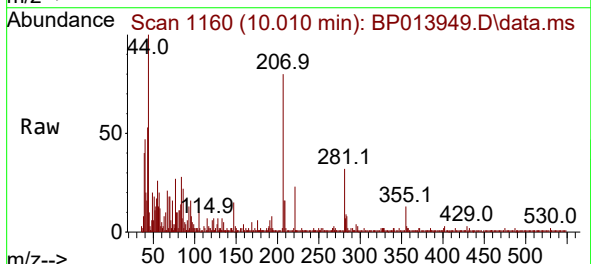
Instrument :
BNA_P
ClientSampleId :
CE-33-030123

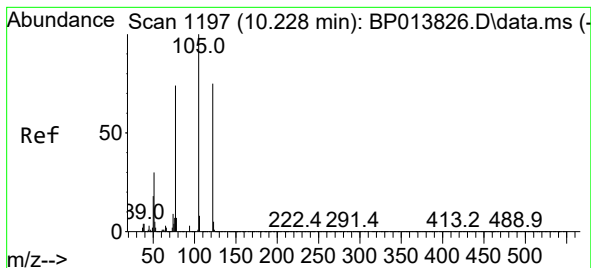
Tgt Ion: 82 Resp: 523120
Ion Ratio Lower Upper
82 100
128 37.8 32.9 49.3
54 47.2 35.6 53.4



#26
2-Nitrophenol
Concen: 2.777 ng
RT: 10.010 min Scan# 1160
Delta R.T. -0.018 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:139 Resp: 35
Ion Ratio Lower Upper
139 100
109 38.7 26.7 40.1
65 312.9 39.4 59.2#





#32

Benzoic acid

Concen: 5.089 ng

RT: 10.216 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

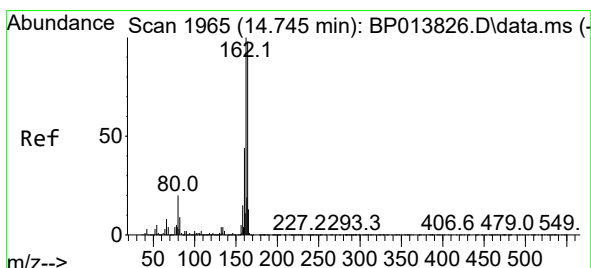
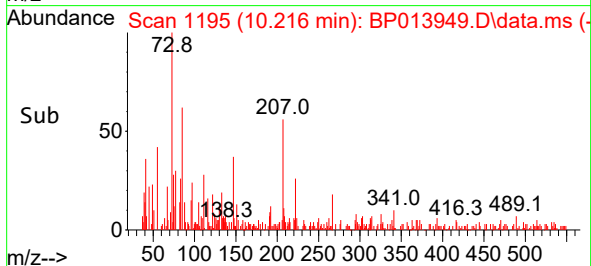
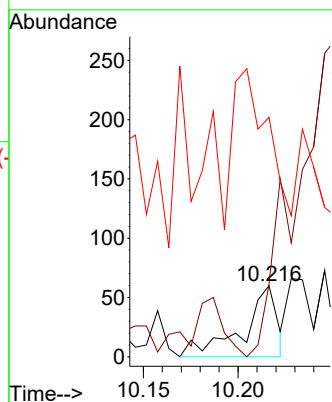
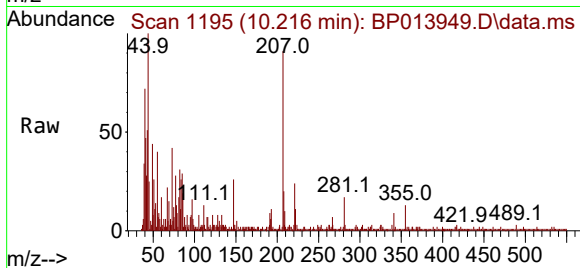
Tgt Ion:122 Resp: 74

Ion Ratio Lower Upper

122 100

105 101.7 107.4 147.4#

77 336.7 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: BP013949.D

Acq: 03 Mar 2023 18:40

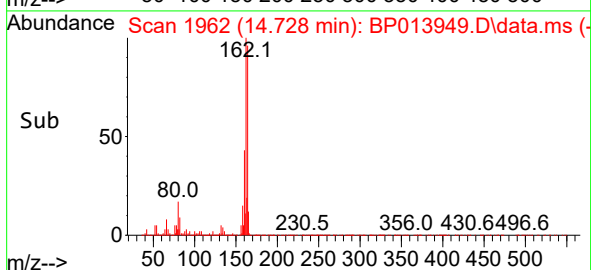
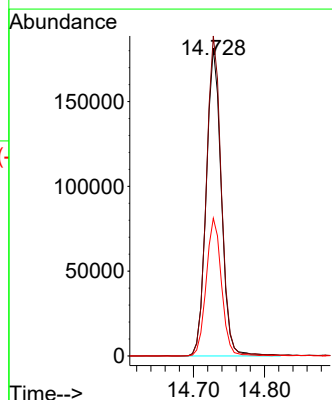
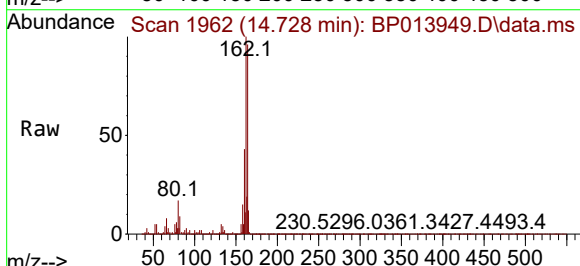
Tgt Ion:164 Resp: 267732

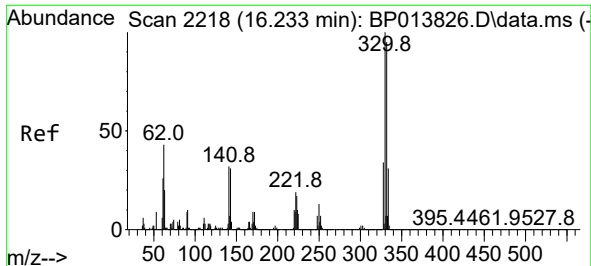
Ion Ratio Lower Upper

164 100

162 103.9 81.7 122.5

160 44.7 36.1 54.1

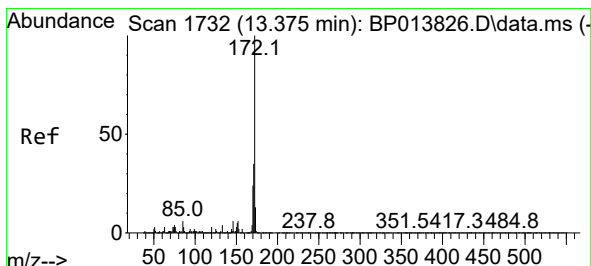
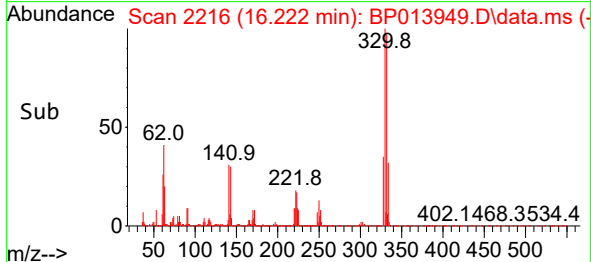
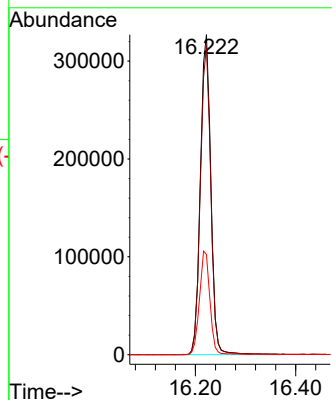
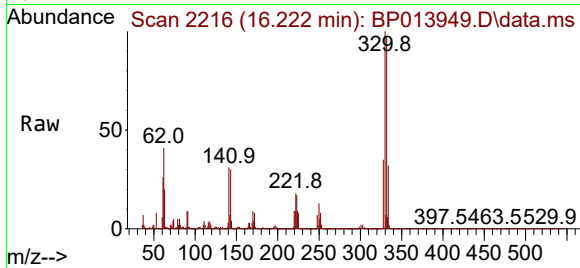




#42
2,4,6-Tribromophenol
Concen: 121.591 ng
RT: 16.222 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

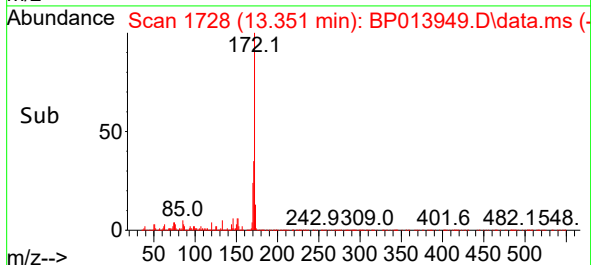
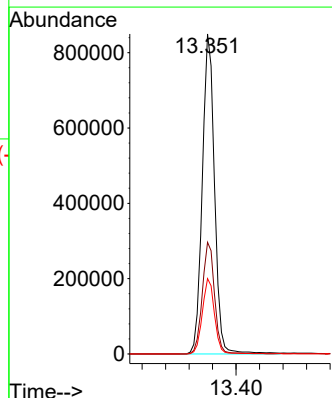
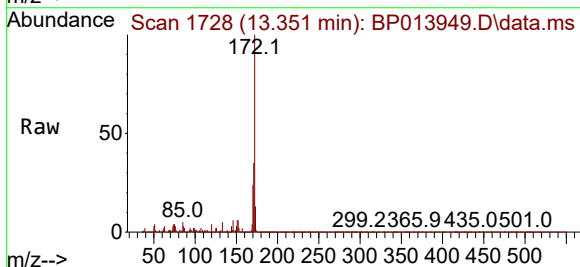
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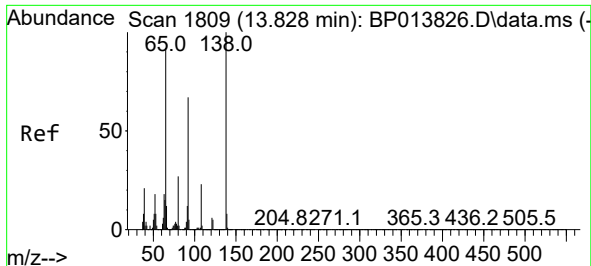
Tgt Ion:330 Resp: 473876
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 32.2 25.1 37.7



#45
2-Fluorobiphenyl
Concen: 60.210 ng
RT: 13.351 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:172 Resp: 1227296
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.5 19.0 28.4

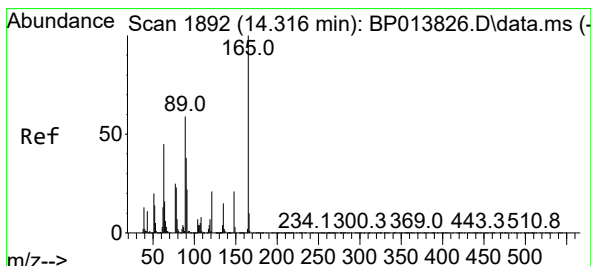
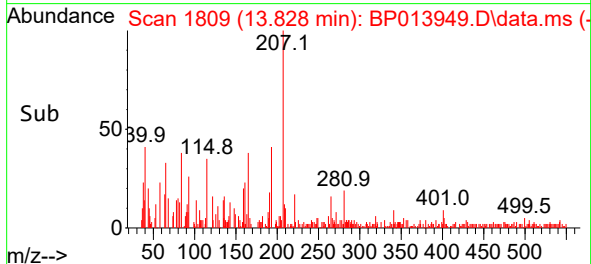
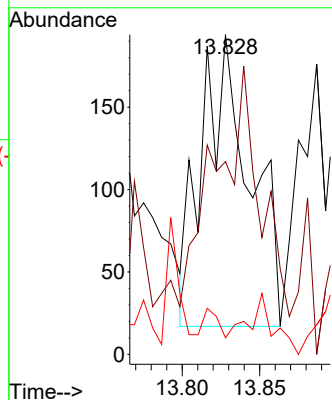
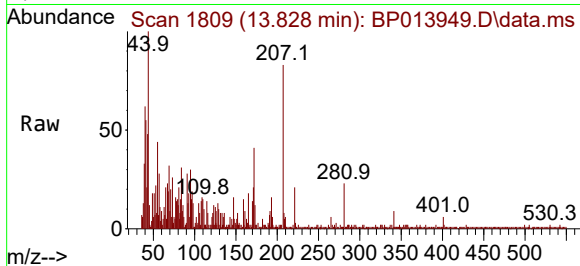




#48
2-Nitroaniline
Concen: 3.306 ng
RT: 13.828 min Scan# 1809
Delta R.T. 0.012 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

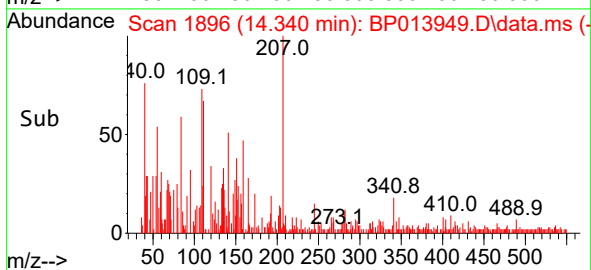
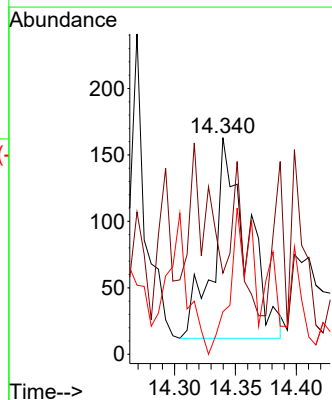
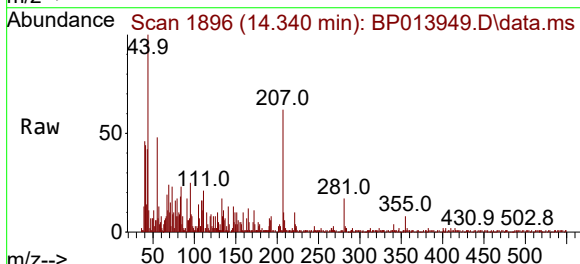
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CE-33-030123

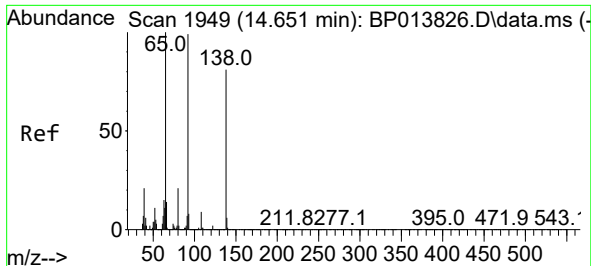
Tgt Ion: 65 Resp: 382
Ion Ratio Lower Upper
65 100
92 60.3 58.7 88.1
138 5.2 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.046 ng
RT: 14.340 min Scan# 1896
Delta R.T. 0.030 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion: 165 Resp: 288
Ion Ratio Lower Upper
165 100
63 37.4 42.6 63.8#
89 19.6 47.1 70.7#

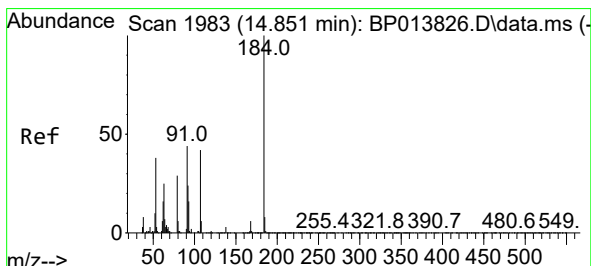
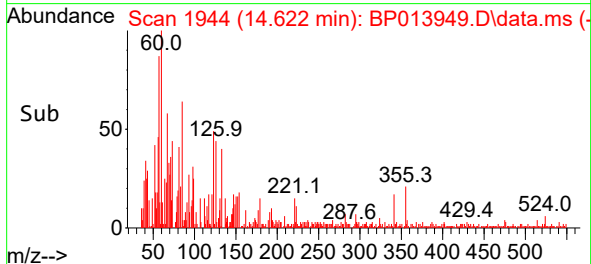
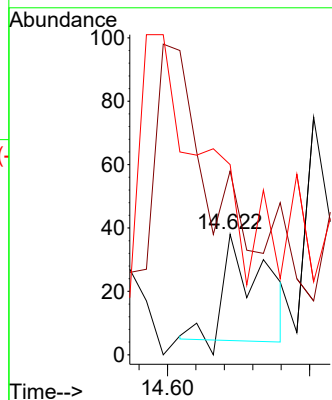
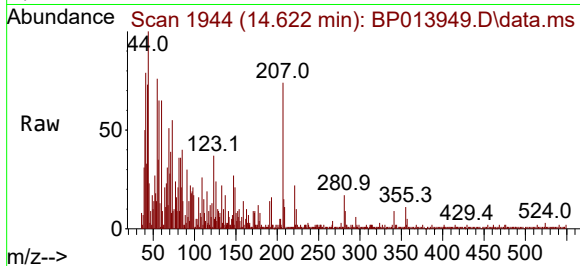




#53
3-Nitroaniline
Concen: 2.014 ng
RT: 14.622 min Scan# 1944
Delta R.T. -0.018 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

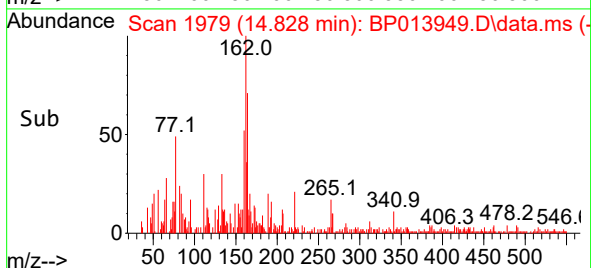
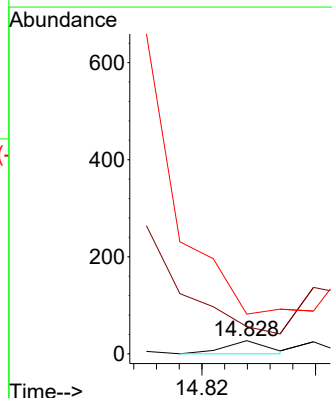
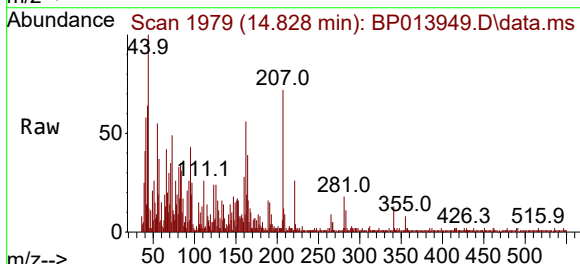
Instrument :
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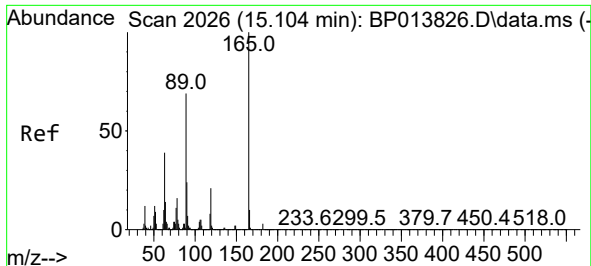
Tgt Ion:138 Resp: 32
Ion Ratio Lower Upper
138 100
108 109.4 9.0 13.4#
92 113.2 97.1 145.7



#54
2,4-Dinitrophenol
Concen: 5.266 ng
RT: 14.828 min Scan# 1979
Delta R.T. -0.012 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:184 Resp: 14
Ion Ratio Lower Upper
184 100
63 207.4 47.0 70.4#
154 303.7 51.5 77.3#





#57

2,4-Dinitrotoluene

Concen: 2.306 ng

RT: 15.104 min Scan# 20

Delta R.T. 0.012 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

Tgt Ion:165 Resp: 170

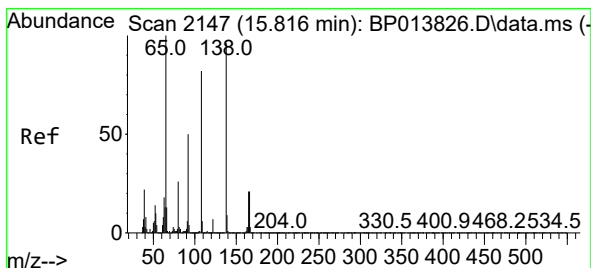
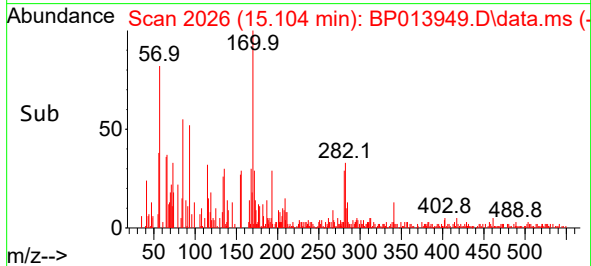
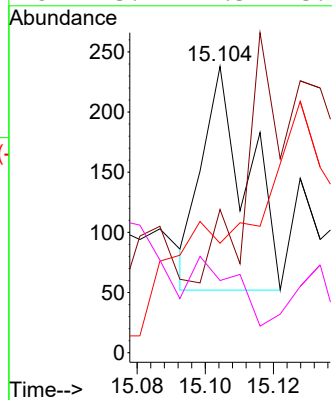
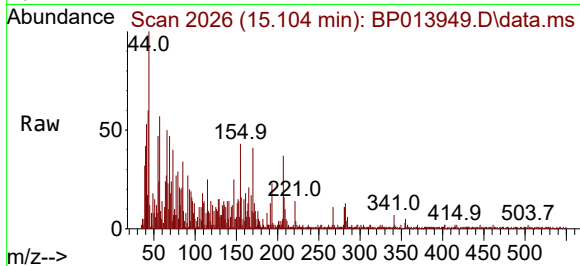
Ion Ratio Lower Upper

165 100

63 50.0 31.1 46.7#

89 38.2 54.9 82.3#

182 25.2 2.5 3.7#



#62

4-Nitroaniline

Concen: 2.563 ng

RT: 15.775 min Scan# 2140

Delta R.T. -0.029 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

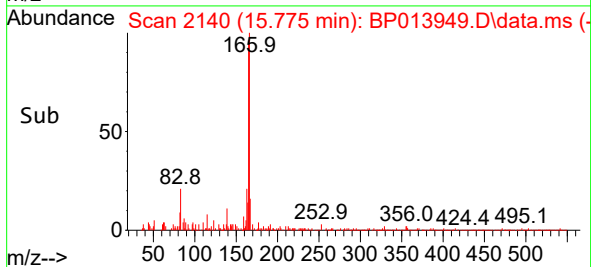
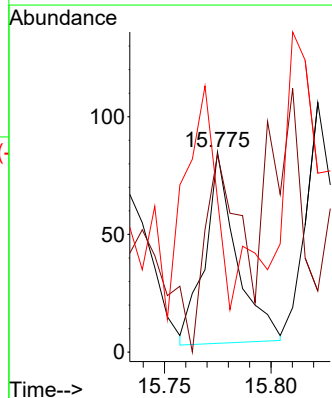
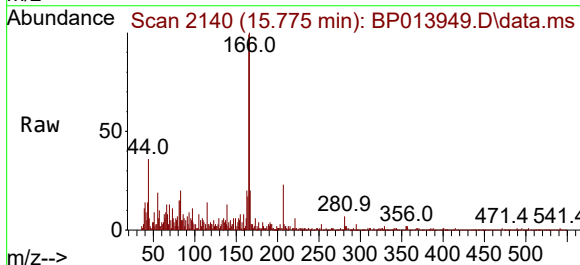
Tgt Ion:138 Resp: 83

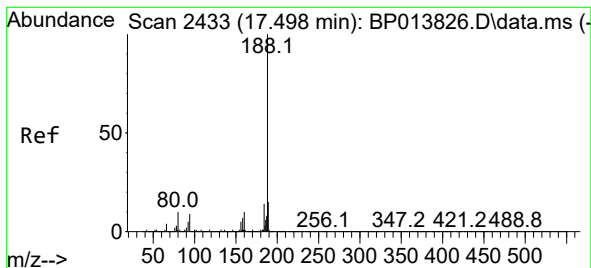
Ion Ratio Lower Upper

138 100

92 98.8 32.0 72.0#

108 76.5 65.6 105.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.481 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

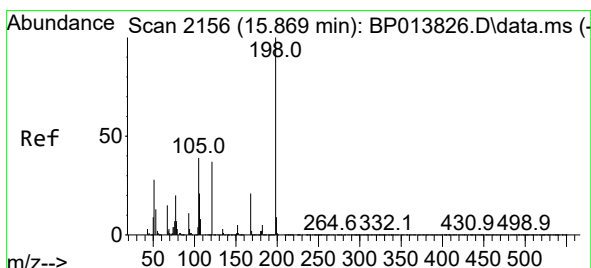
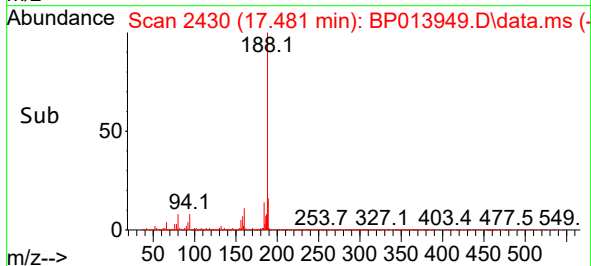
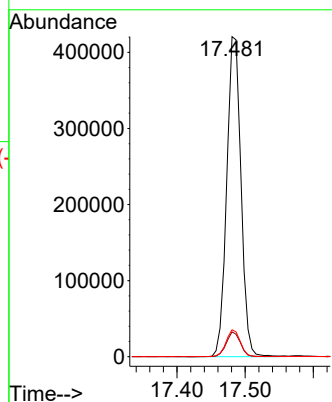
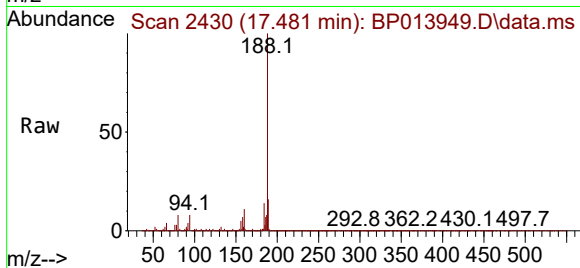
Tgt Ion:188 Resp: 612848

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.6

80 8.4 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: BP013949.D

Acq: 03 Mar 2023 18:40

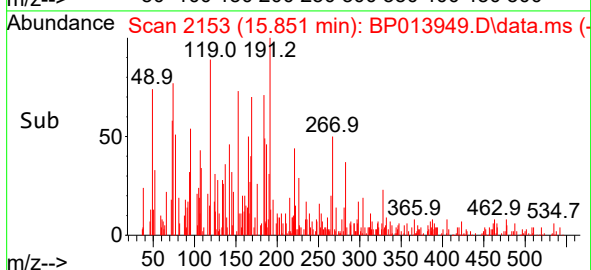
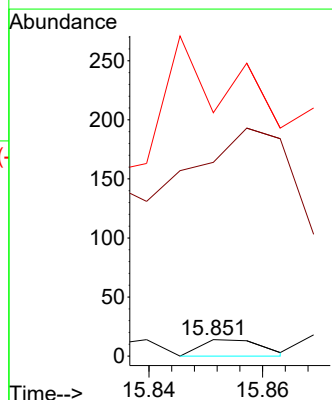
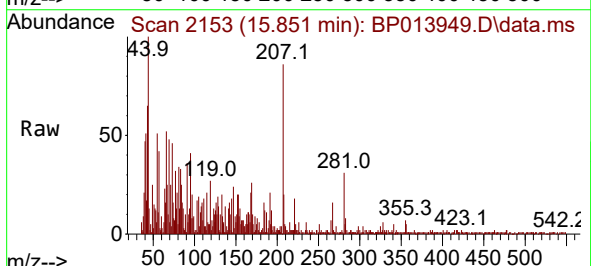
Tgt Ion:198 Resp: 11

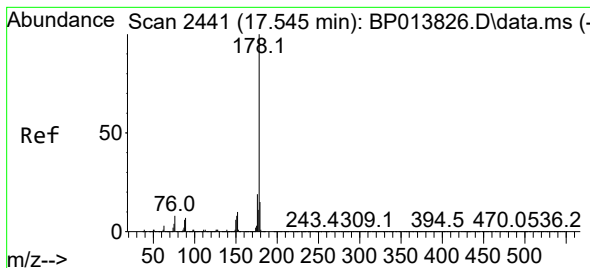
Ion Ratio Lower Upper

198 100

51 1171.4 14.3 54.3#

105 1471.4 20.5 60.5#





#71

Phenanthrene

Concen: 3.141 ng

RT: 17.528 min Scan# 2441

Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

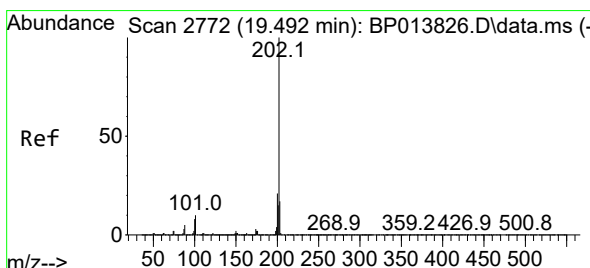
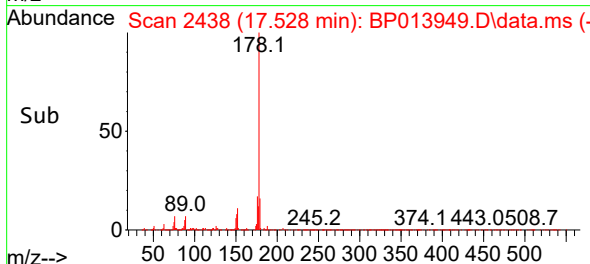
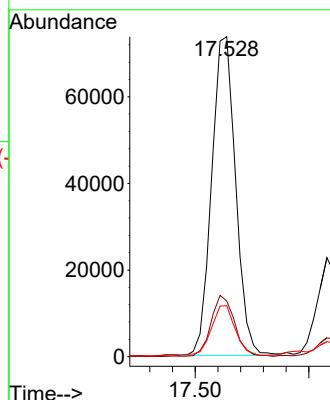
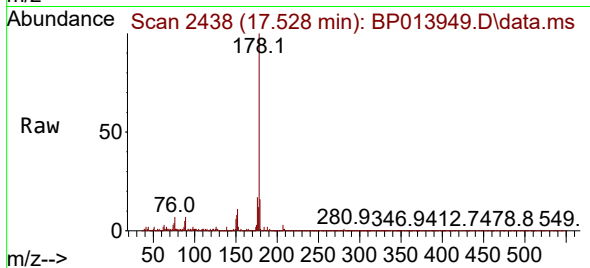
Tgt Ion:178 Resp: 107850

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.0

179 16.0 12.2 18.4



#75

Fluoranthene

Concen: 7.048 ng

RT: 19.475 min Scan# 2769

Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

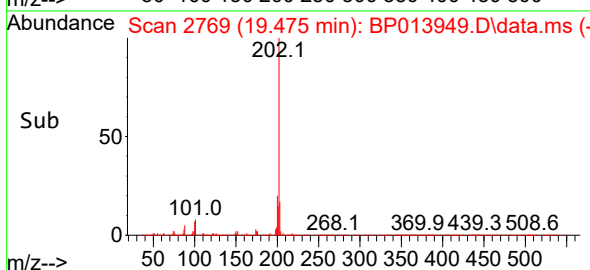
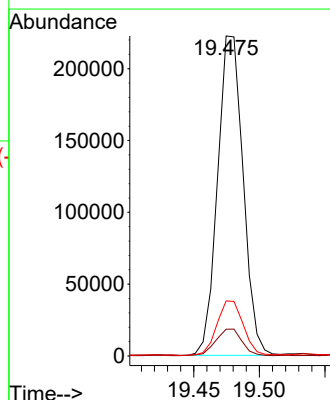
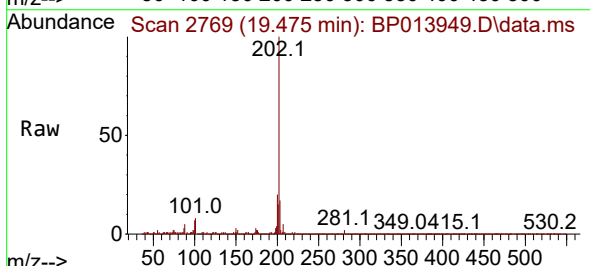
Tgt Ion:202 Resp: 301659

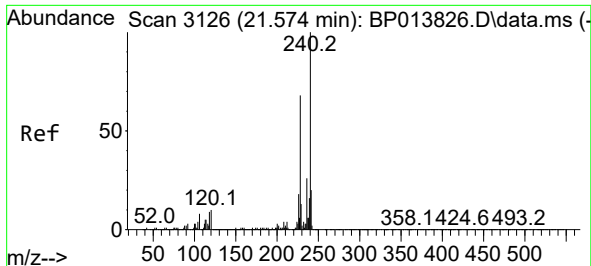
Ion Ratio Lower Upper

202 100

101 8.3 0.0 30.0

203 17.2 0.0 37.5

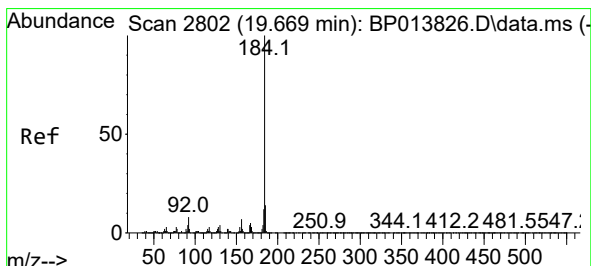
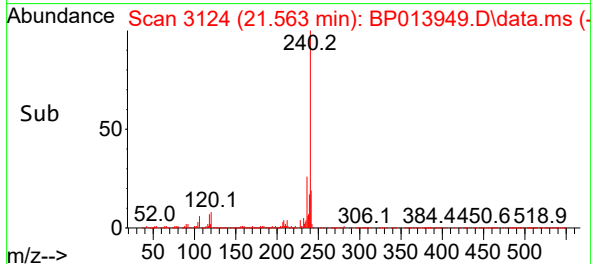
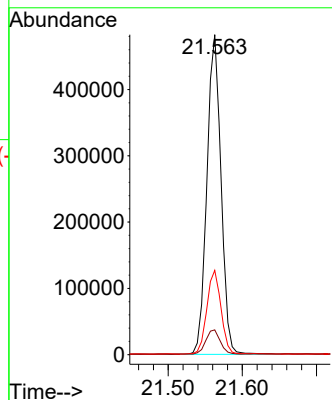
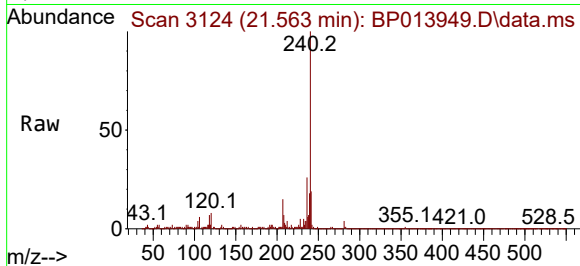




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.563 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

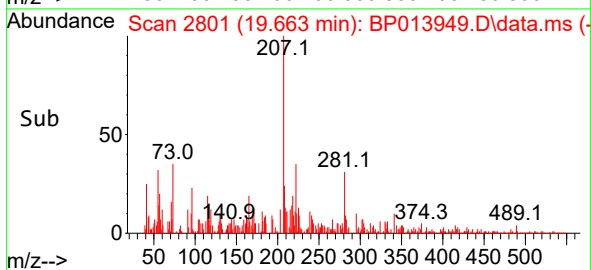
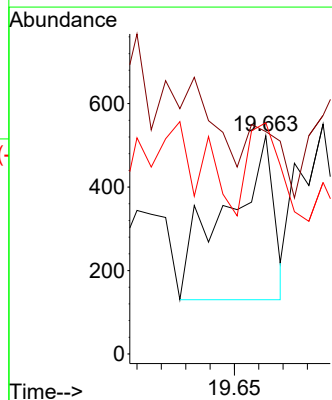
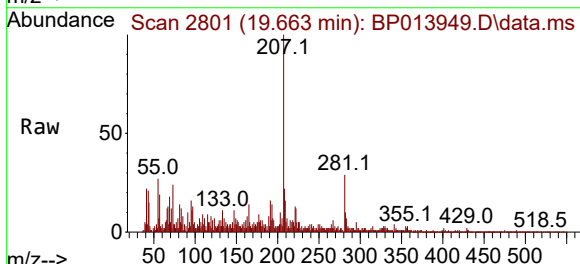
Instrument :
BNA_P
ClientSampleId :
CE-33-030123

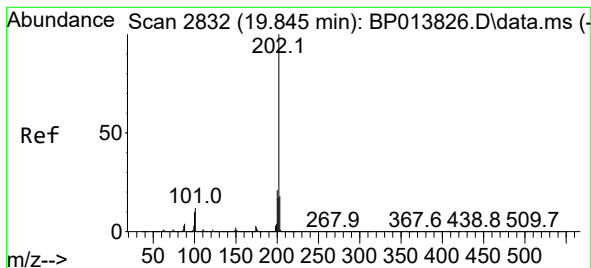
Tgt Ion:240 Resp: 637632
Ion Ratio Lower Upper
240 100
120 7.7 7.9 11.9#
236 26.4 20.9 31.3



#77
Benzidine
Concen: 2.322 ng
RT: 19.663 min Scan# 2801
Delta R.T. 0.006 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:184 Resp: 537
Ion Ratio Lower Upper
184 100
185 101.9 11.4 17.0#
183 105.9 9.6 14.4#





#78

Pyrene

Concen: 6.799 ng

RT: 19.833 min Scan# 2833

Delta R.T. 0.000 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

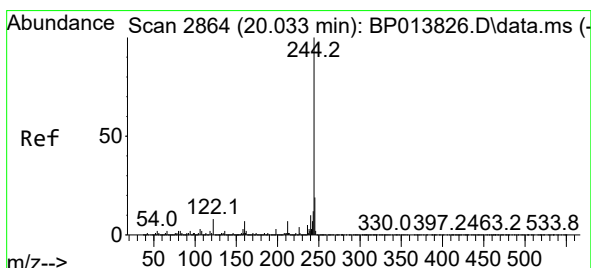
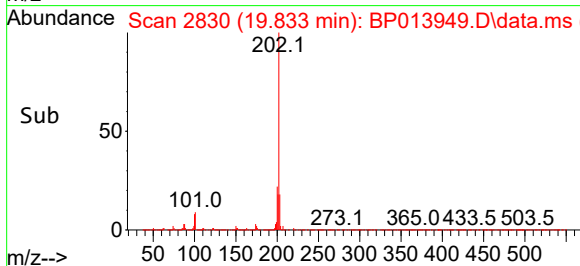
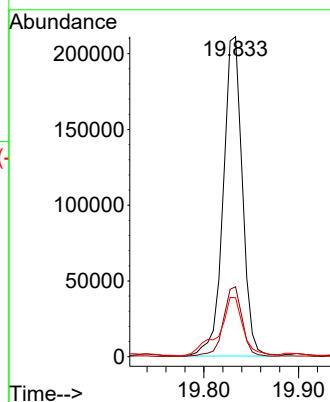
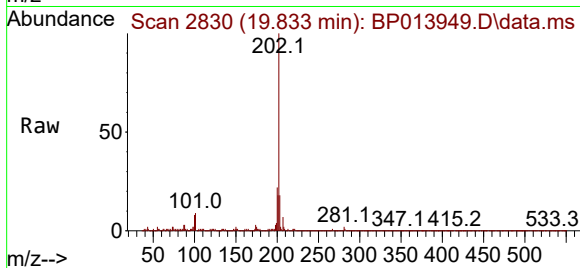
Tgt Ion:202 Resp: 296276

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

203 18.4 14.2 21.2



#79

Terphenyl-d14

Concen: 75.172 ng

RT: 20.016 min Scan# 2861

Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

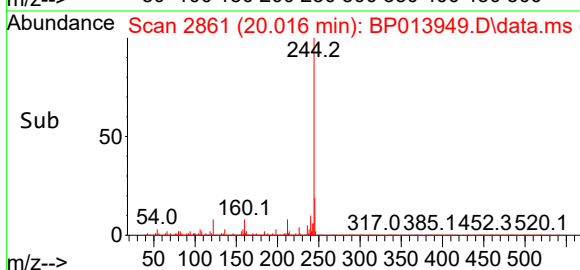
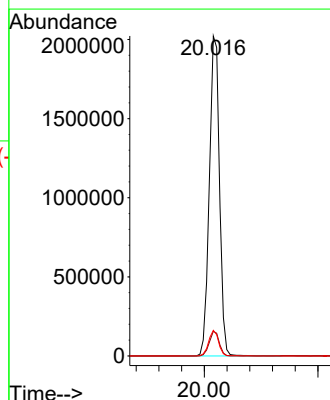
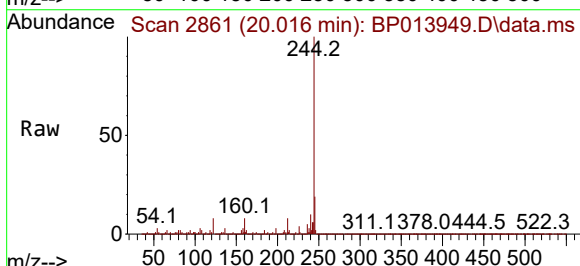
Tgt Ion:244 Resp: 2491276

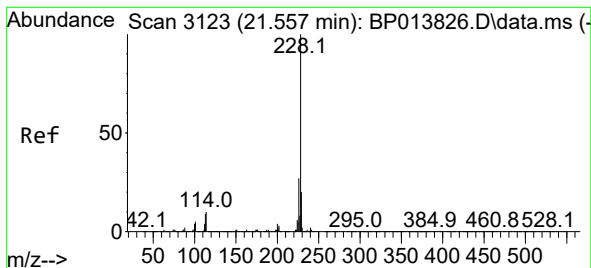
Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 8.0 6.7 10.1





#81

Benzo(a)anthracene

Concen: 3.774 ng

RT: 21.545 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

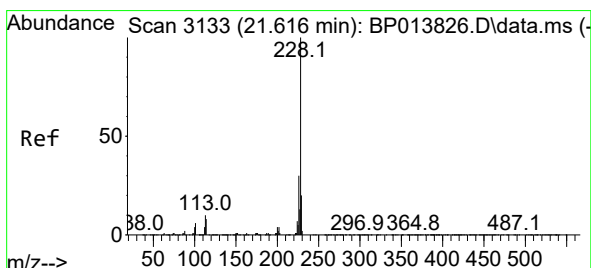
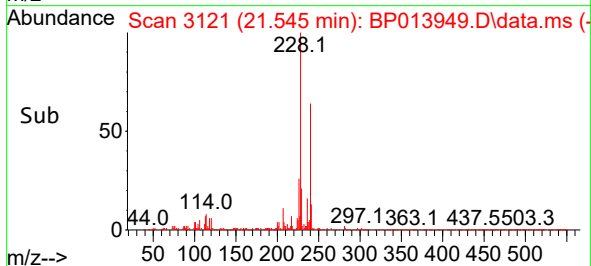
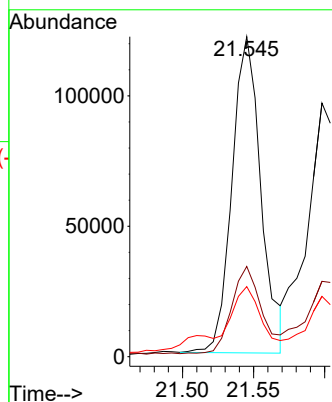
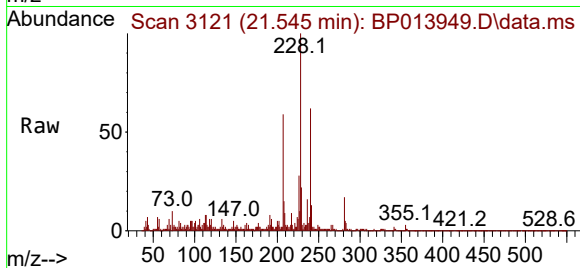
Tgt Ion:228 Resp: 172326

Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

229 21.9 15.8 23.6



#83

Chrysene

Concen: 3.896 ng

RT: 21.545 min Scan# 3121

Delta R.T. -0.059 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

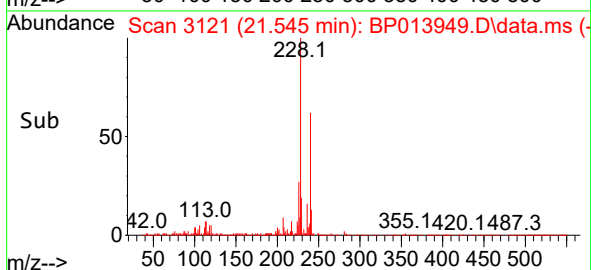
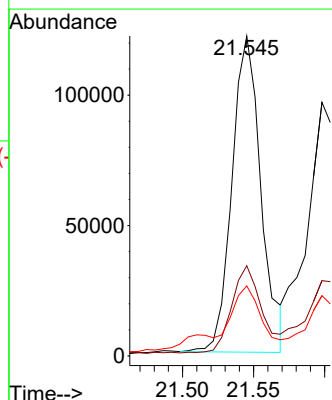
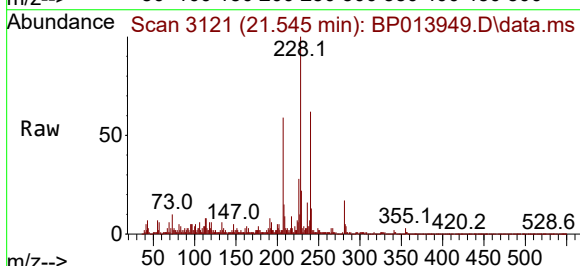
Tgt Ion:228 Resp: 172326

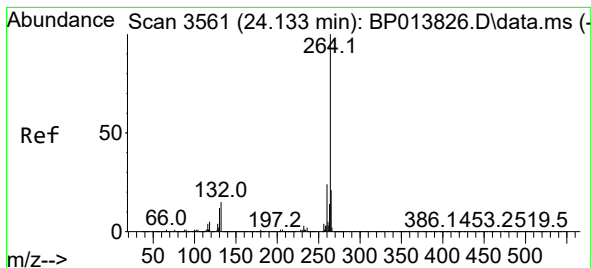
Ion Ratio Lower Upper

228 100

226 28.2 23.8 35.8

229 21.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.110 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

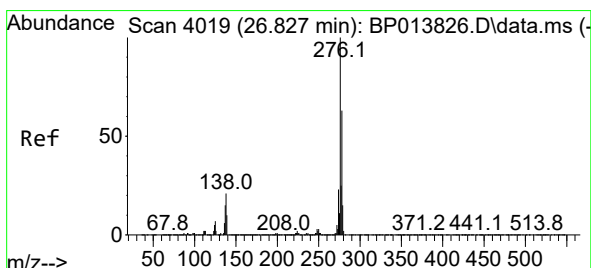
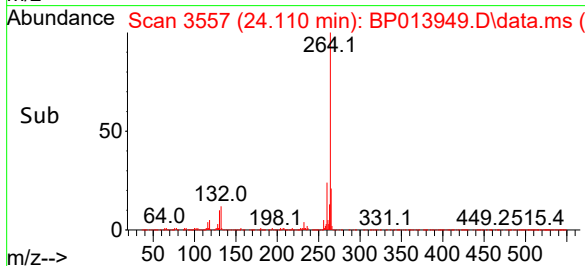
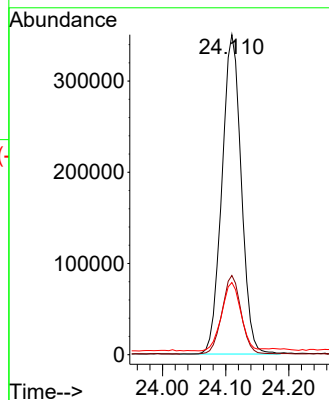
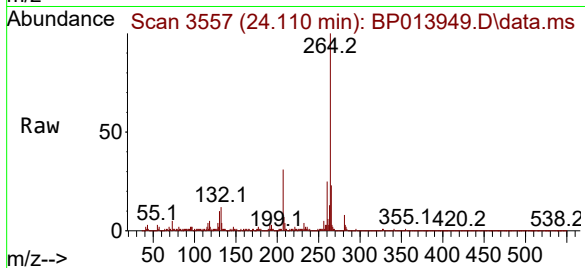
Tgt Ion:264 Resp: 743906

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.0

265 22.5 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.194 ng

RT: 26.786 min Scan# 4012

Delta R.T. -0.018 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

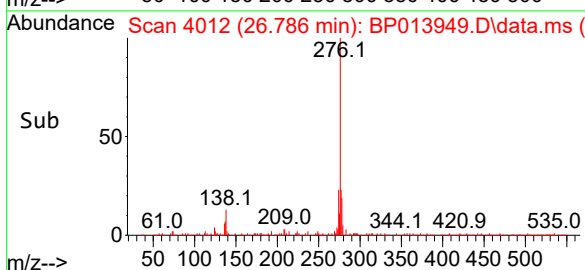
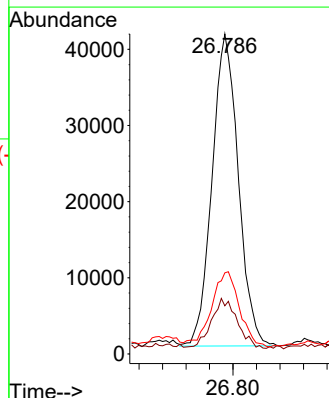
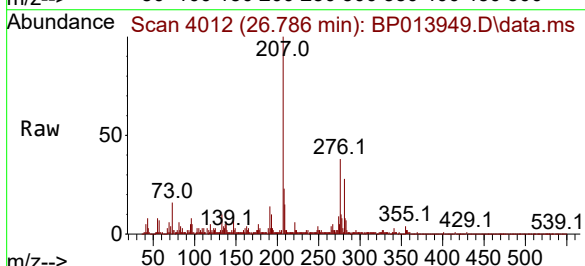
Tgt Ion:276 Resp: 126958

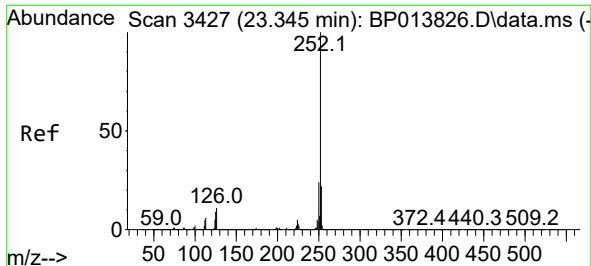
Ion Ratio Lower Upper

276 100

138 15.8 17.8 26.8#

277 25.7 20.2 30.2

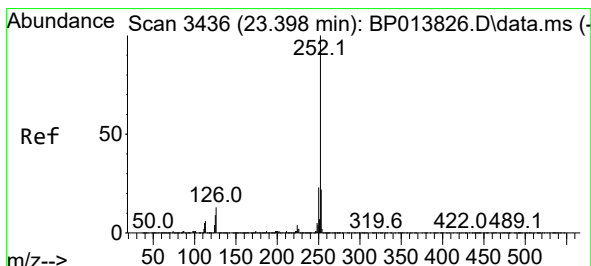
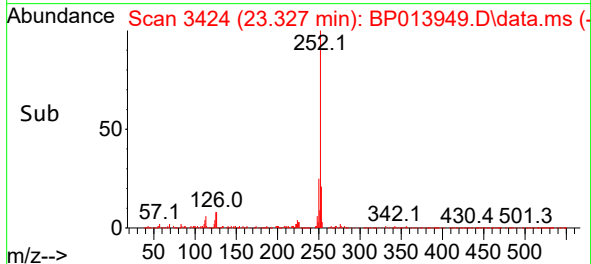
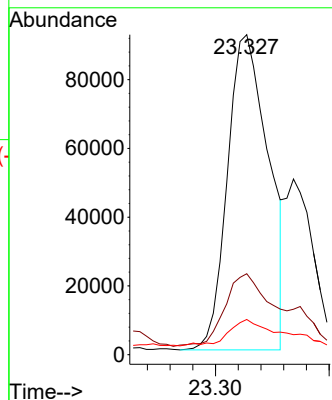
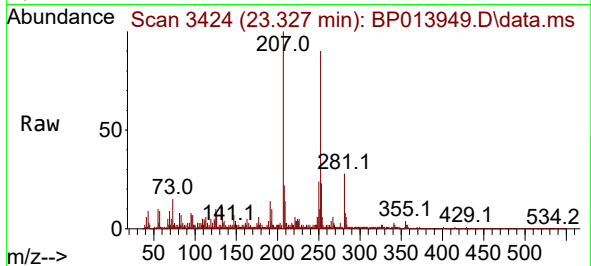




#88
Benzo(b)fluoranthene
Concen: 4.888 ng
RT: 23.327 min Scan# 3424
Delta R.T. 0.000 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

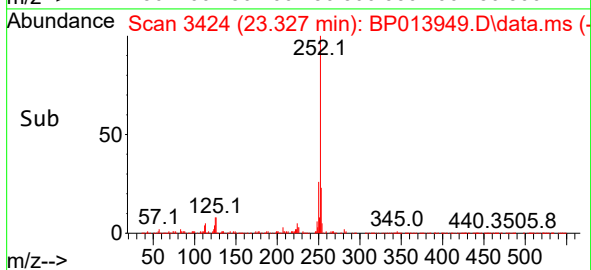
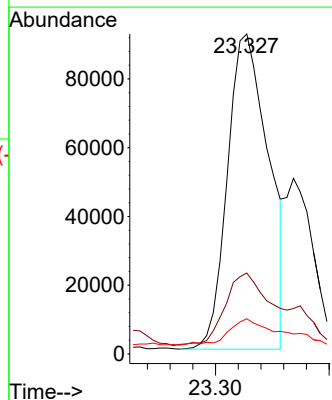
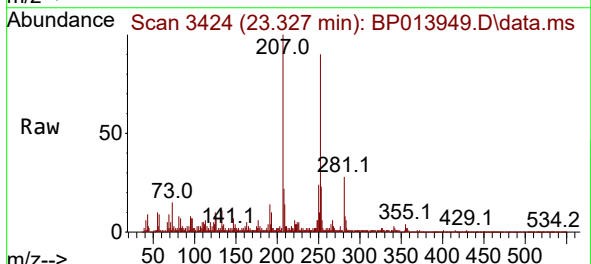
Instrument :
BNA_P
ClientSampleId :
CE-33-030123

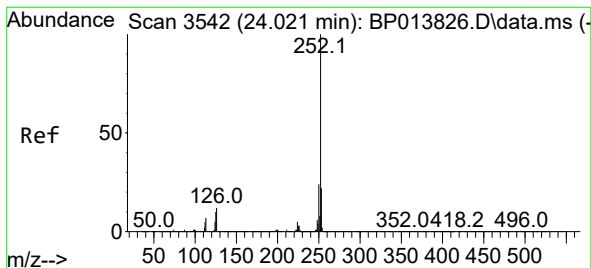
Tgt Ion:252 Resp: 229978
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 11.0 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 4.816 ng
RT: 23.327 min Scan# 3424
Delta R.T. -0.053 min
Lab File: BP013949.D
Acq: 03 Mar 2023 18:40

Tgt Ion:252 Resp: 229978
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 11.0 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 4.118 ng

RT: 23.992 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Instrument :

BNA_P

ClientSampleId :

CE-33-030123

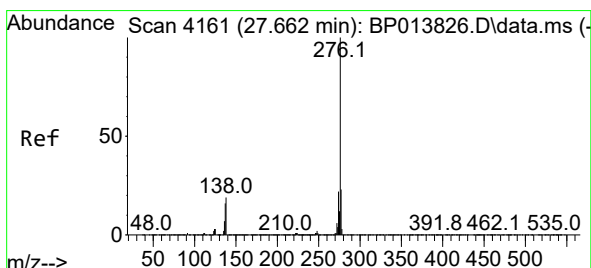
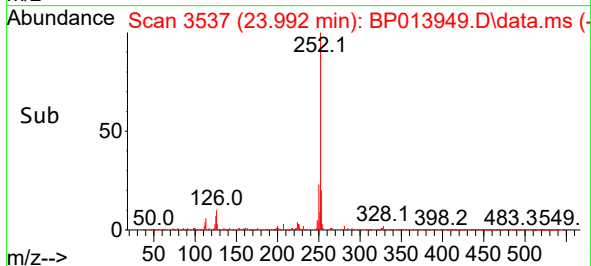
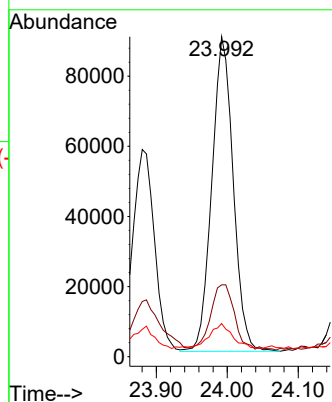
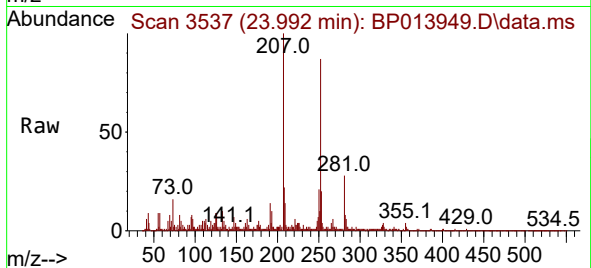
Tgt Ion:252 Resp: 187321

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.3 7.7 11.5



#92

Benzo(g,h,i)perylene

Concen: 2.804 ng

RT: 27.615 min Scan# 4153

Delta R.T. -0.012 min

Lab File: BP013949.D

Acq: 03 Mar 2023 18:40

Tgt Ion:276 Resp: 134447

Ion Ratio Lower Upper

276 100

277 24.8 18.7 28.1

138 15.2 15.5 23.3#

