

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
 Data File : BP013948.D
 Acq On : 03 Mar 2023 18:06
 Operator : CG/JU
 Sample : 01767-07RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CE-54-030123

Quant Time: Mar 04 00:57:39 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)

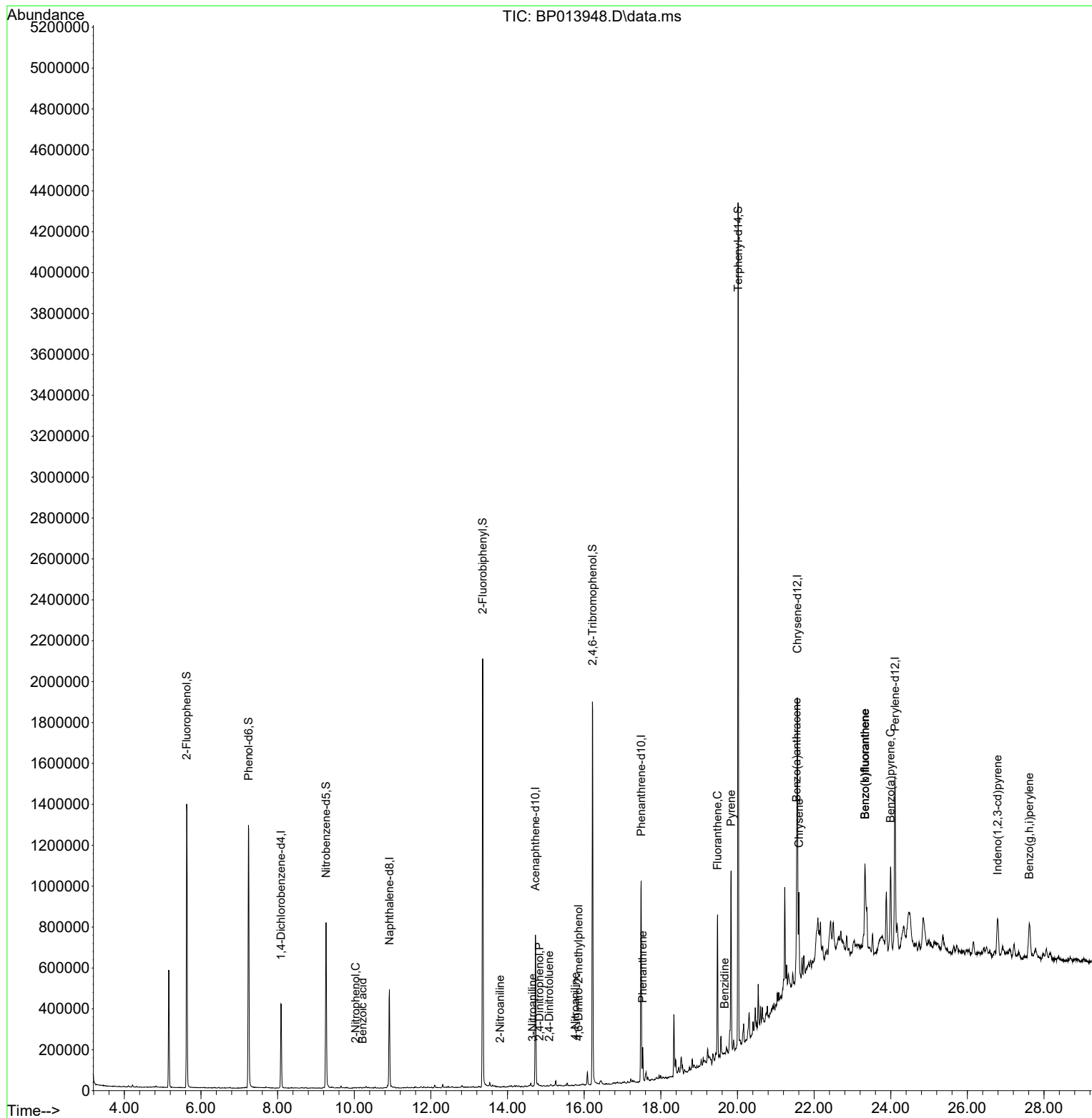
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	109150	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	382945	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	260376	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	603118	20.000	ng	0.00
76) Chrysene-d12	21.563	240	598191	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	703752	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	569805	86.038	ng	0.00
7) Phenol-d6	7.240	99	725015	85.478	ng	-0.01
23) Nitrobenzene-d5	9.263	82	459175	64.749	ng	0.00
42) 2,4,6-Tribromophenol	16.222	330	379540	100.137	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	1071593	54.057	ng	0.00
79) Terphenyl-d14	20.022	244	1996668	64.220	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.034	139	38	2.779	ng	# 32
32) Benzoic acid	10.216	122	84	5.092	ng	# 7
48) 2-Nitroaniline	13.804	65	94	3.249	ng	# 24
53) 3-Nitroaniline	14.651	138	20	2.012	ng	# 12
54) 2,4-Dinitrophenol	14.834	184	7	5.264	ng	# 1
57) 2,4-Dinitrotoluene	15.087	165	173	2.307	ng	# 48
62) 4-Nitroaniline	15.769	138	97	2.566	ng	81
65) 4,6-Dinitro-2-methylph...	15.851	198	9	4.626	ng	# 1
71) Phenanthrene	17.528	178	93048	2.754	ng	98
75) Fluoranthene	19.480	202	400882	9.518	ng	97
77) Benzidine	19.669	184	268	2.304	ng	# 1
78) Pyrene	19.833	202	523997	12.818	ng	99
81) Benzo(a)anthracene	21.545	228	280260	6.543	ng	98
83) Chrysene	21.604	228	264219	6.367	ng	97
87) Indeno(1,2,3-cd)pyrene	26.786	276	236842	4.326	ng	# 92
88) Benzo(b)fluoranthene	23.327	252	405628	9.113	ng	98
89) Benzo(k)fluoranthene	23.327	252	405628	8.978	ng	98
90) Benzo(a)pyrene	23.998	252	346446	8.051	ng	95
92) Benzo(g,h,i)perylene	27.615	276	264273	5.827	ng	# 95

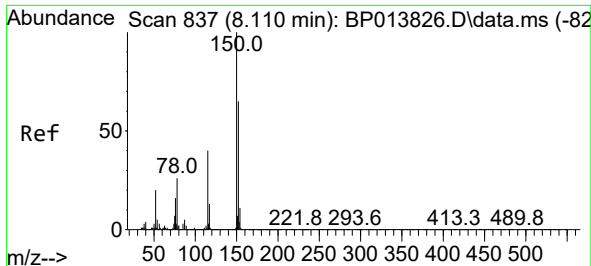
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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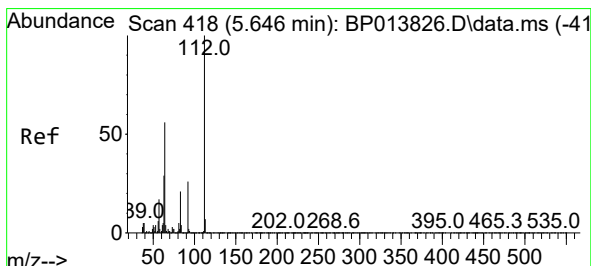
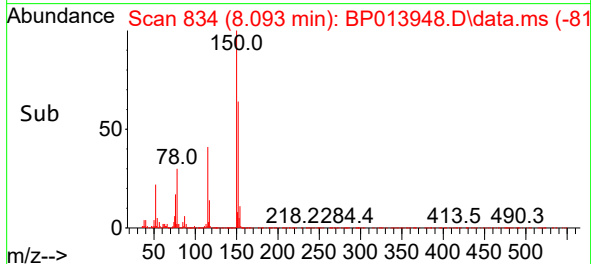
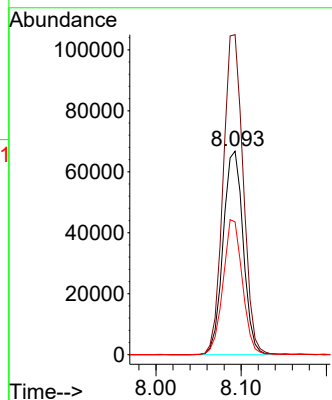
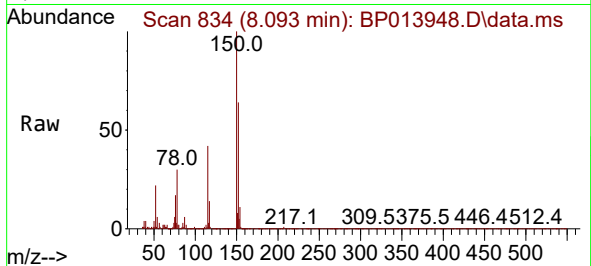




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

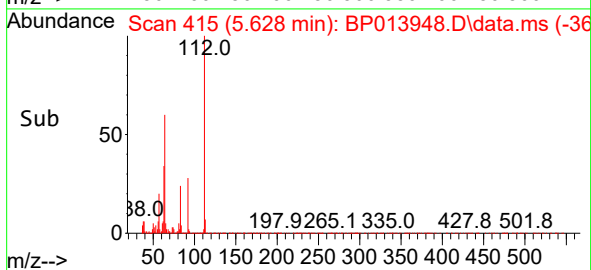
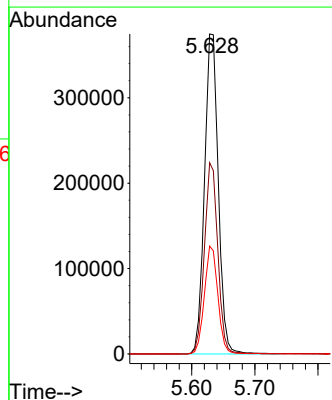
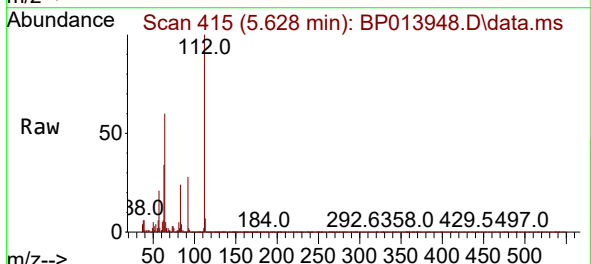
Instrument :
BNA_P
ClientSampleId :
CE-54-030123

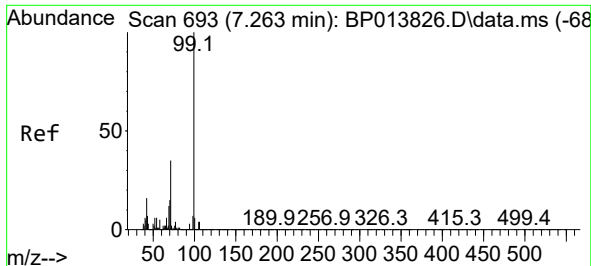
Tgt Ion:152 Resp: 109150
Ion Ratio Lower Upper
152 100
150 157.2 122.8 184.2
115 65.3 49.0 73.6



#5
2-Fluorophenol
Concen: 86.038 ng
RT: 5.628 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:112 Resp: 569805
Ion Ratio Lower Upper
112 100
64 59.8 44.6 66.8
63 33.7 23.6 35.4

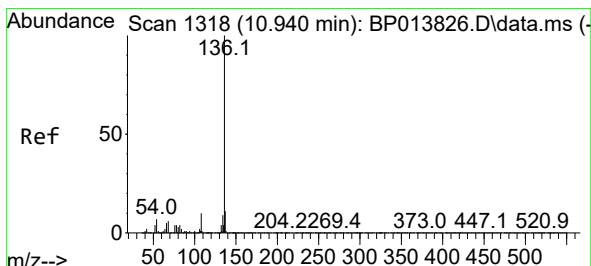
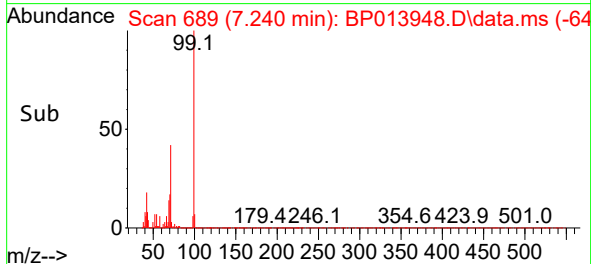
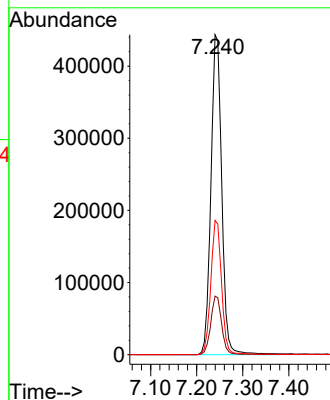
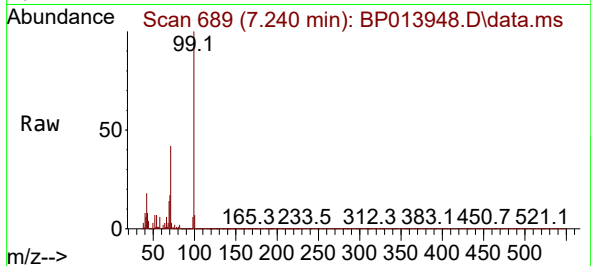




#7
Phenol-d6
Concen: 85.478 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

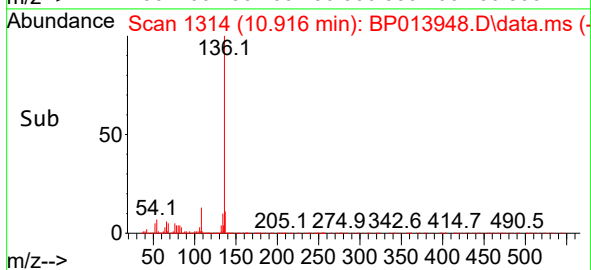
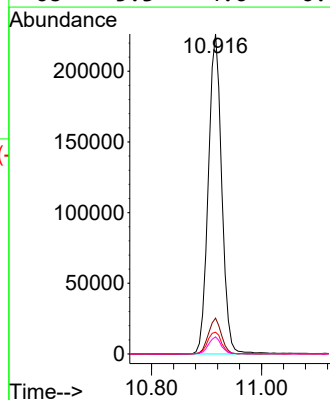
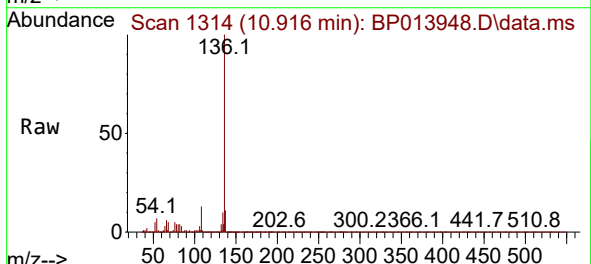
Instrument :
BNA_P
ClientSampleId :
CE-54-030123

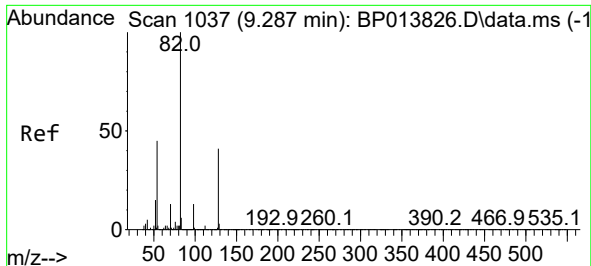
Tgt Ion: 99 Resp: 725015
Ion Ratio Lower Upper
99 100
42 18.3 12.5 18.7
71 42.0 27.8 41.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion: 136 Resp: 382945
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 6.8 5.8 8.6
68 5.3 4.6 6.8

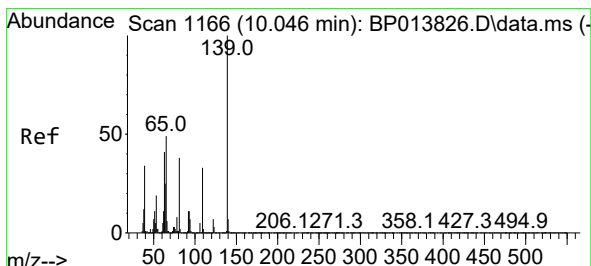
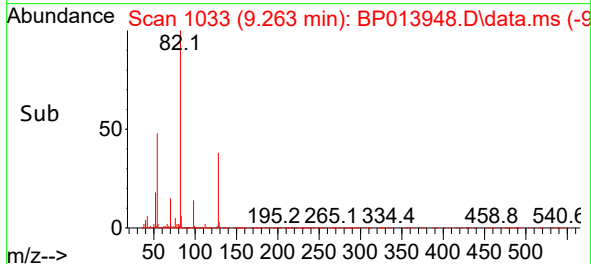
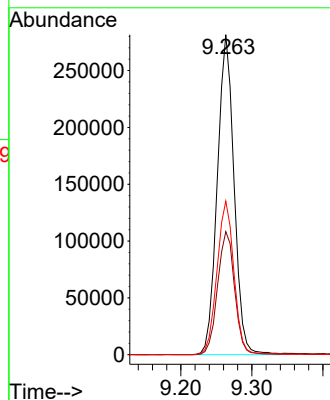
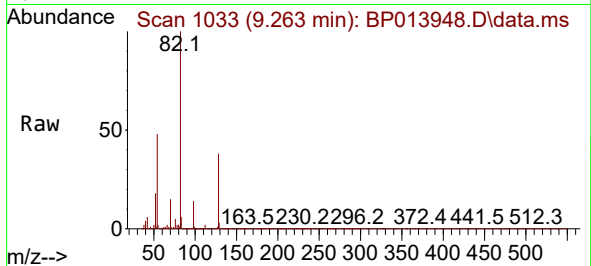




#23
Nitrobenzene-d5
Concen: 64.749 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

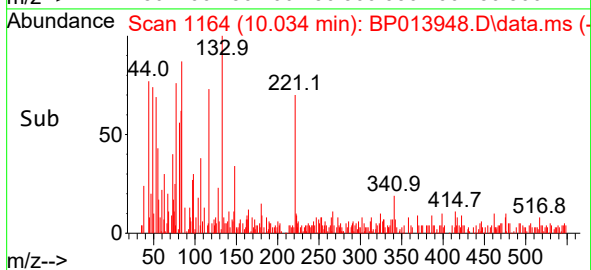
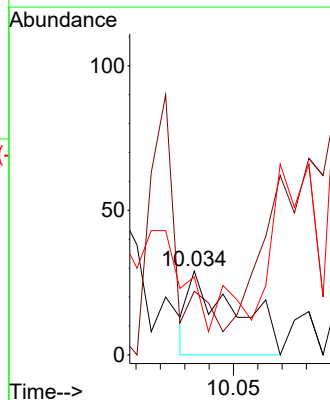
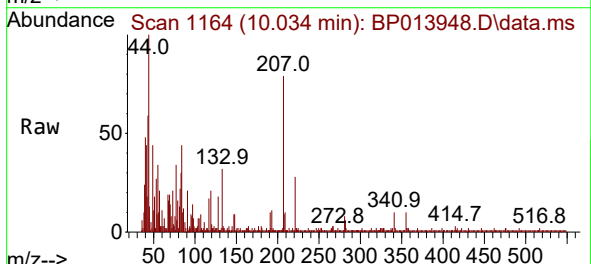
Instrument :
BNA_P
ClientSampleId :
CE-54-030123

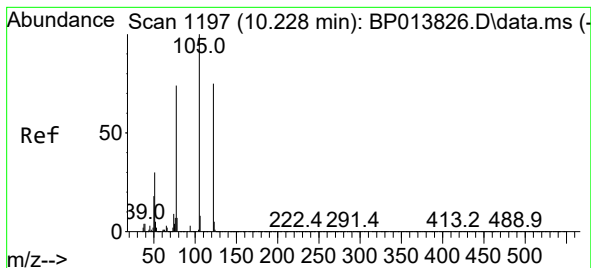
Tgt Ion: 82 Resp: 459175
Ion Ratio Lower Upper
82 100
128 38.4 32.9 49.3
54 48.0 35.6 53.4



#26
2-Nitrophenol
Concen: 2.779 ng
RT: 10.034 min Scan# 1164
Delta R.T. 0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:139 Resp: 38
Ion Ratio Lower Upper
139 100
109 75.9 26.7 40.1#
65 93.1 39.4 59.2#

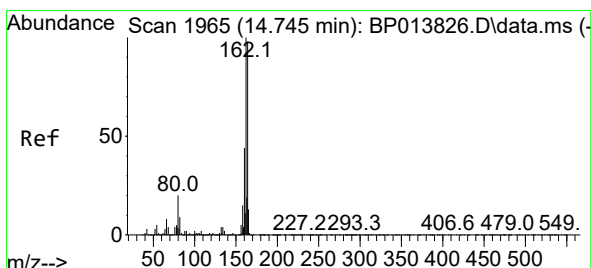
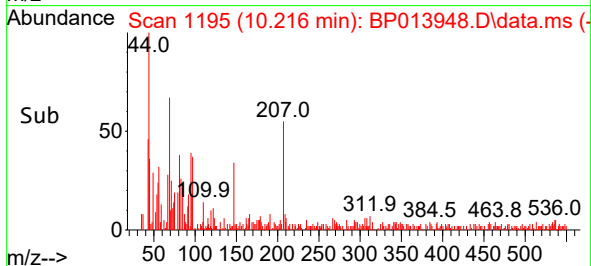
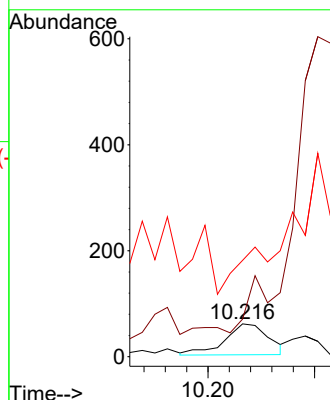
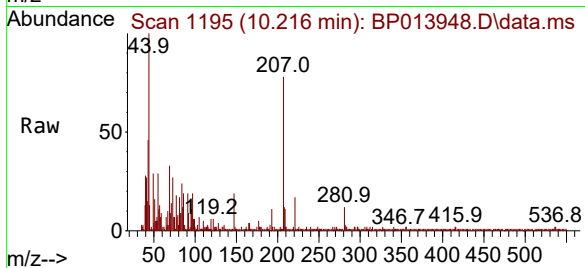




#32
Benzoic acid
Concen: 5.092 ng
RT: 10.216 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

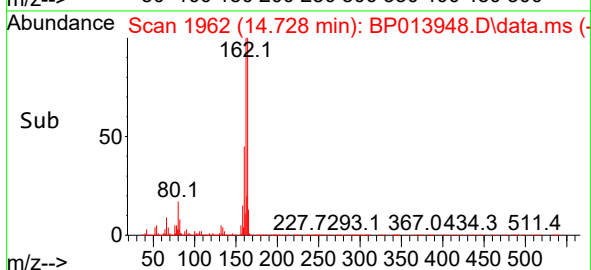
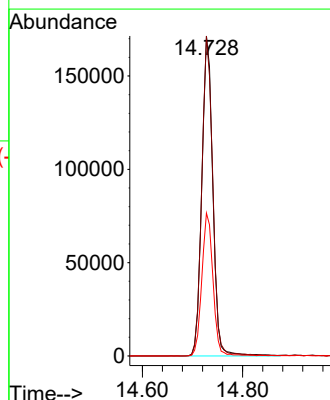
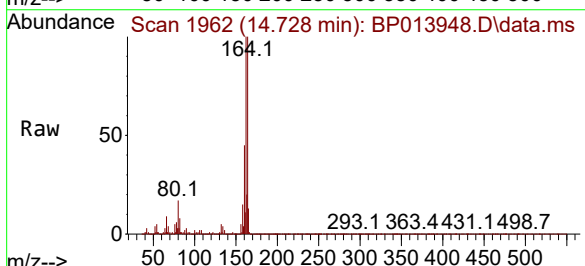
Instrument :
BNA_P
ClientSampleId :
CE-54-030123

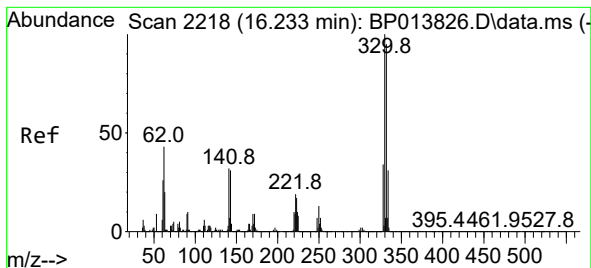
Tgt Ion:	122	Resp:	84
Ion Ratio	Lower	Upper	
122	100		
105	114.5	107.4	147.4
77	293.5	76.0	116.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.728 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:	164	Resp:	260376
Ion Ratio	Lower	Upper	
164	100		
162	100.1	81.7	122.5
160	44.7	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 100.137 ng

RT: 16.222 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

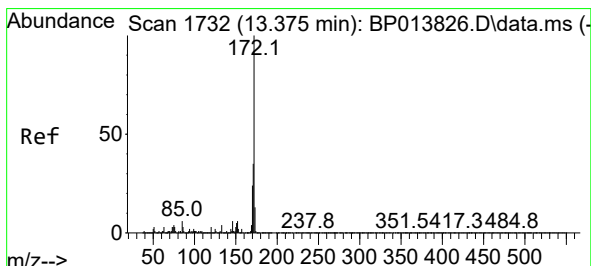
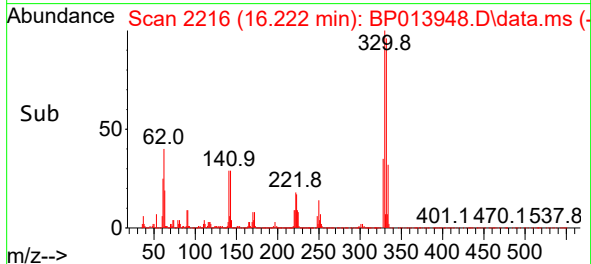
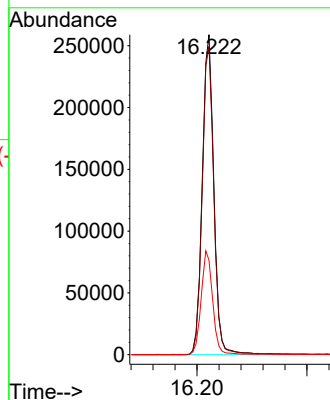
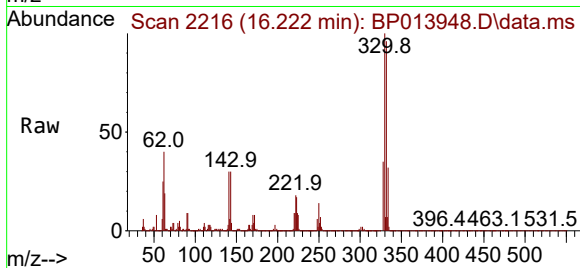
Tgt Ion:330 Resp: 379540

Ion Ratio Lower Upper

330 100

332 96.2 76.7 115.1

141 32.0 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 54.057 ng

RT: 13.351 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

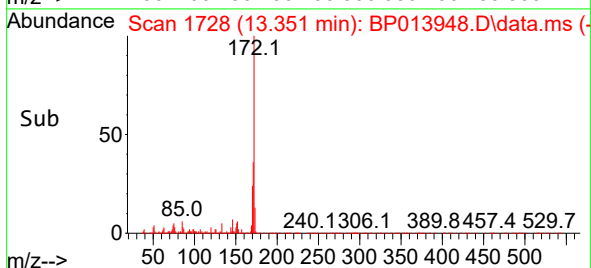
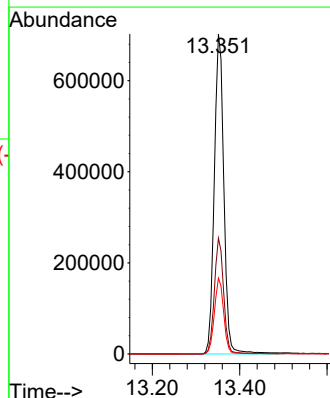
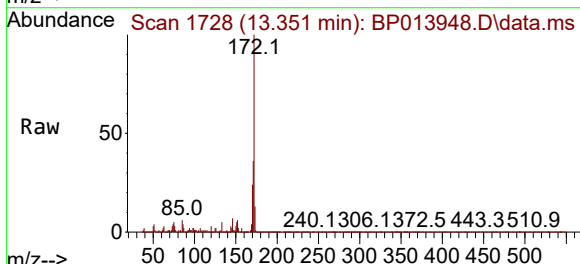
Tgt Ion:172 Resp: 1071593

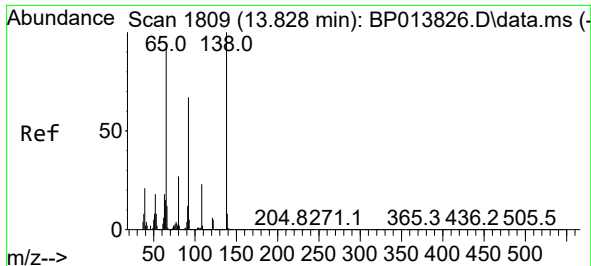
Ion Ratio Lower Upper

172 100

171 36.2 28.2 42.4

170 23.7 19.0 28.4

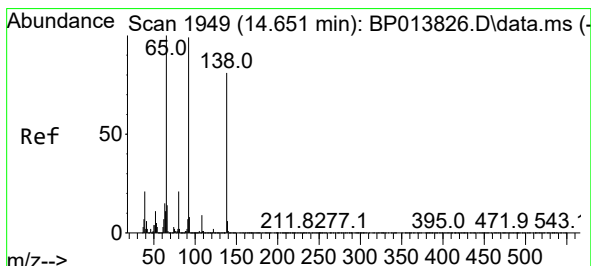
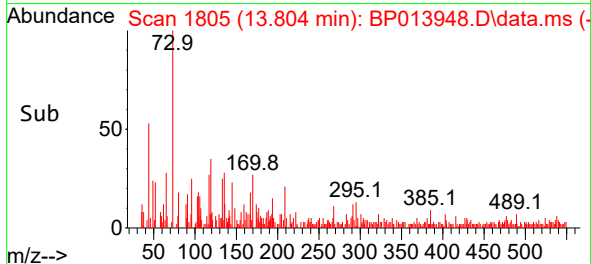
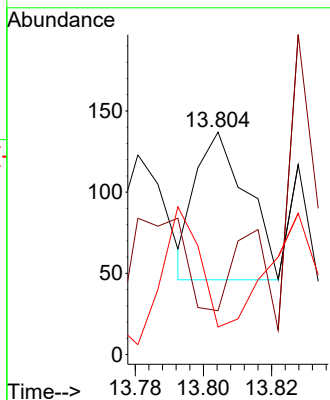
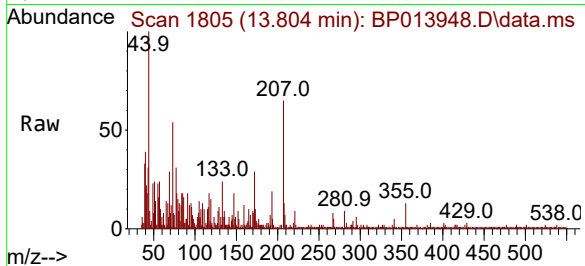




#48
2-Nitroaniline
Concen: 3.249 ng
RT: 13.804 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

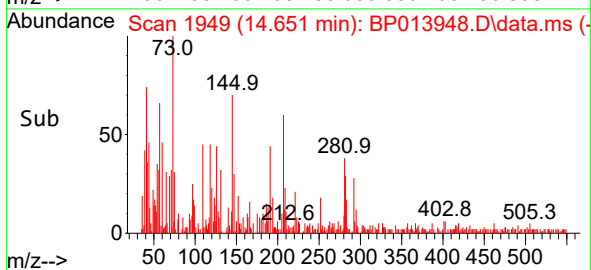
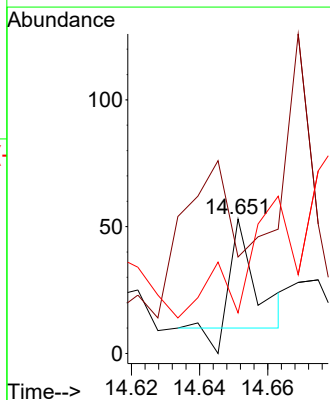
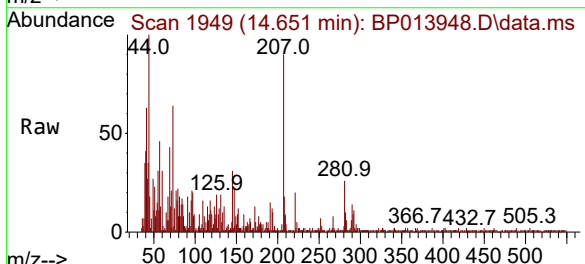
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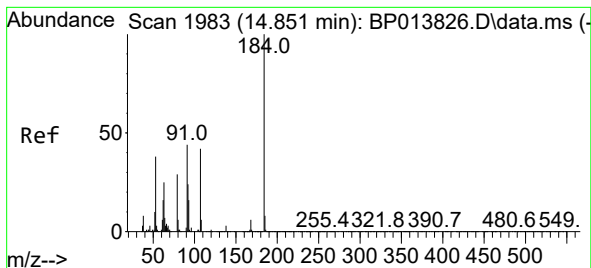
Tgt Ion: 65 Resp: 94
Ion Ratio Lower Upper
65 100
92 17.9 58.7 88.1#
138 22.5 87.3 130.9#



#53
3-Nitroaniline
Concen: 2.012 ng
RT: 14.651 min Scan# 1949
Delta R.T. 0.012 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion: 138 Resp: 20
Ion Ratio Lower Upper
138 100
108 71.7 9.0 13.4#
92 30.2 97.1 145.7#

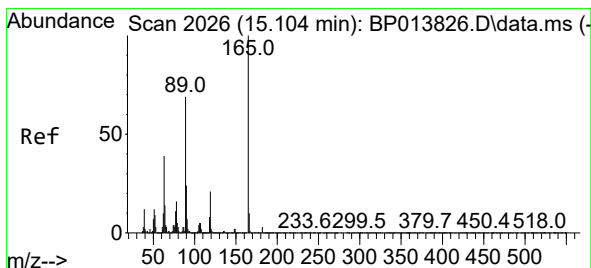
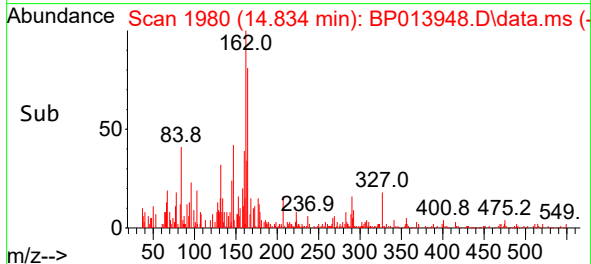
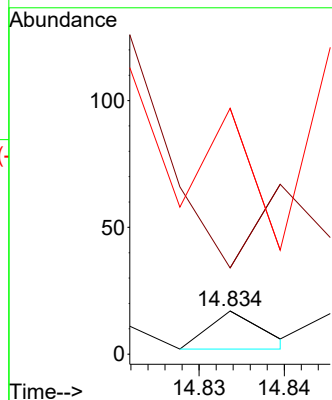
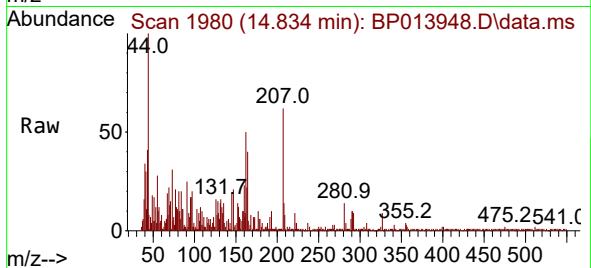




#54
2,4-Dinitrophenol
Concen: 5.264 ng
RT: 14.834 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

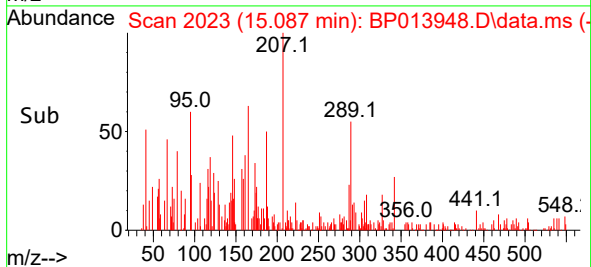
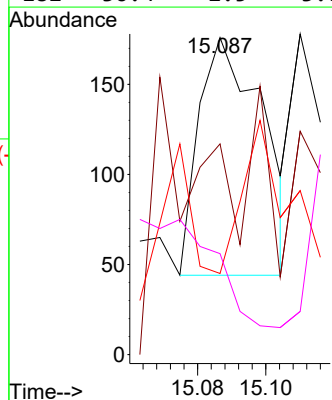
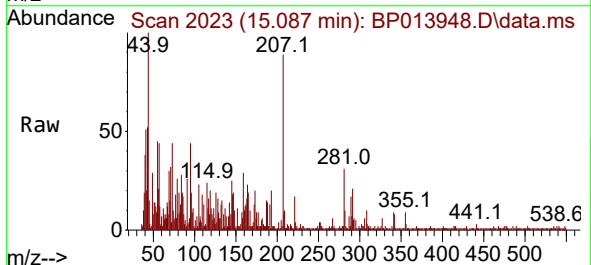
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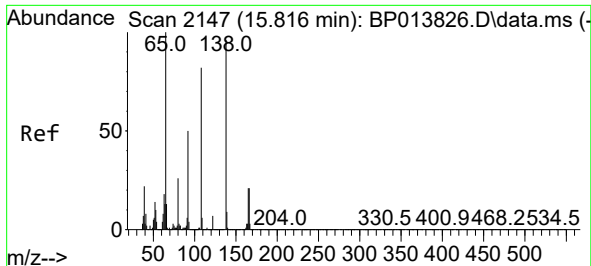
Tgt Ion:184 Resp: 7
Ion Ratio Lower Upper
184 100
63 200.0 47.0 70.4#
154 570.6 51.5 77.3#



#57
2,4-Dinitrotoluene
Concen: 2.307 ng
RT: 15.087 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:165 Resp: 173
Ion Ratio Lower Upper
165 100
63 66.5 31.1 46.7#
89 25.6 54.9 82.3#
182 36.4 2.5 3.7#

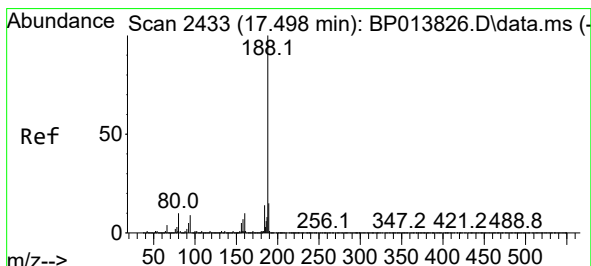
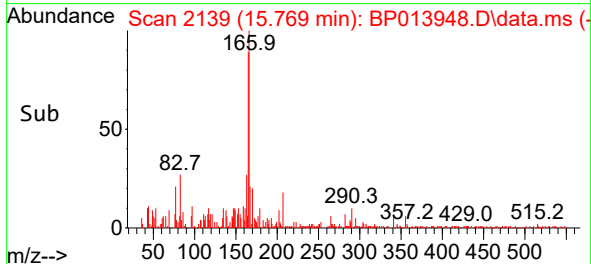
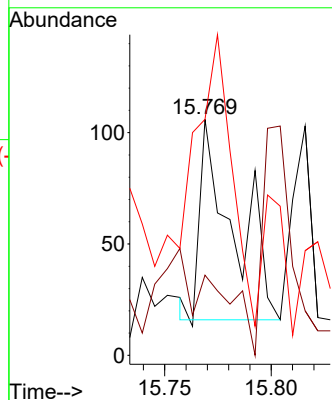
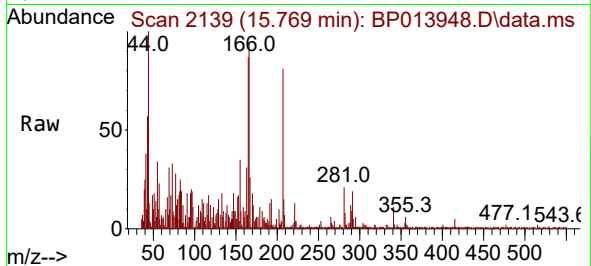




#62
4-Nitroaniline
Concen: 2.566 ng
RT: 15.769 min Scan# 2147
Delta R.T. -0.035 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

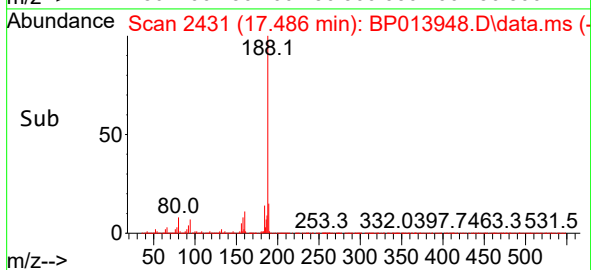
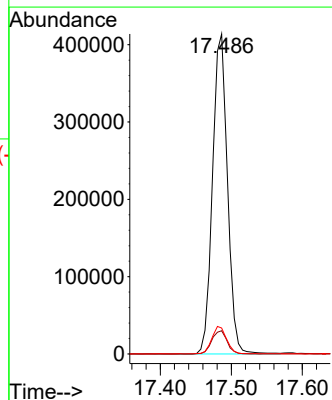
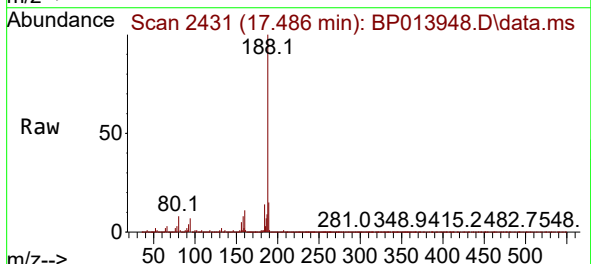
Instrument :
BNA_P
ClientSampleId :
CE-54-030123

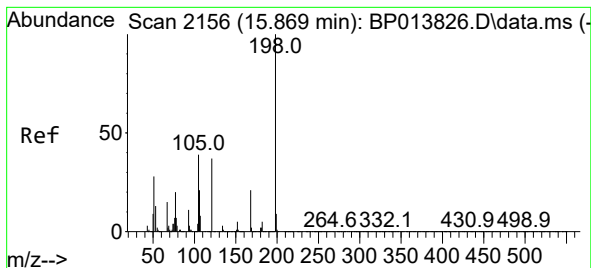
Tgt Ion:138 Resp: 97
Ion Ratio Lower Upper
138 100
92 34.0 32.0 72.0
108 100.0 65.6 105.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.486 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:188 Resp: 603118
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.6
80 8.1 7.8 11.8

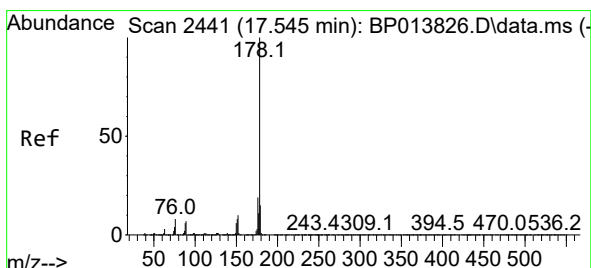
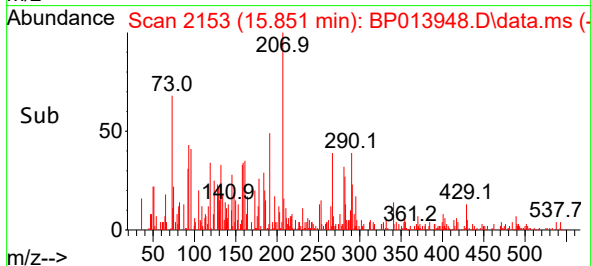
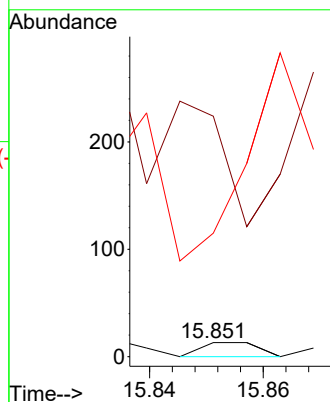
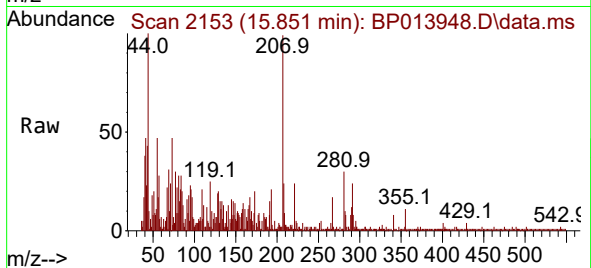




#65
4,6-Dinitro-2-methylphenol
Concen: 4.626 ng
RT: 15.851 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

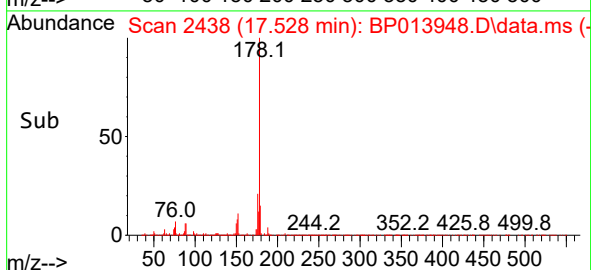
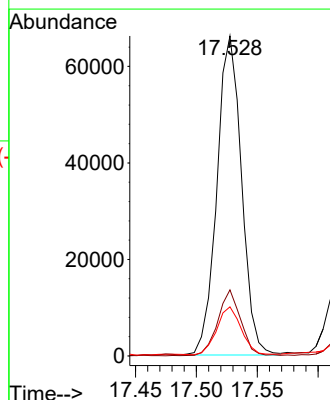
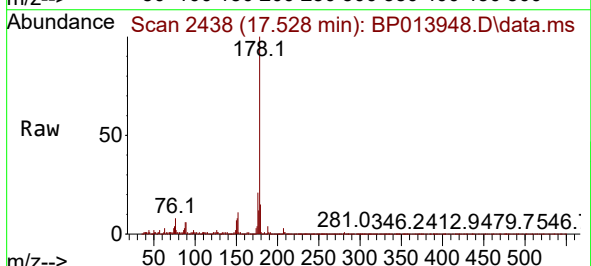
Instrument :
BNA_P
ClientSampleId :
CE-54-030123

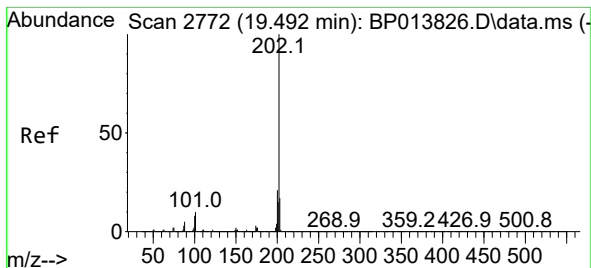
Tgt Ion:198 Resp: 9
Ion Ratio Lower Upper
198 100
51 1723.1 14.3 54.3#
105 884.6 20.5 60.5#



#71
Phenanthrene
Concen: 2.754 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:178 Resp: 93048
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.0
179 15.4 12.2 18.4





#75

Fluoranthene

Concen: 9.518 ng

RT: 19.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

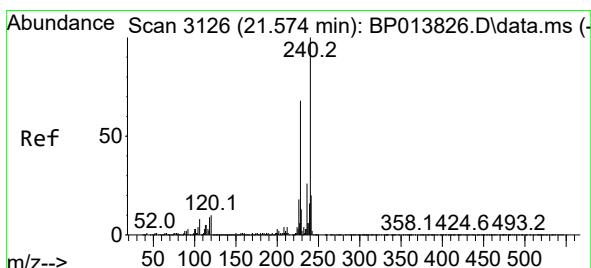
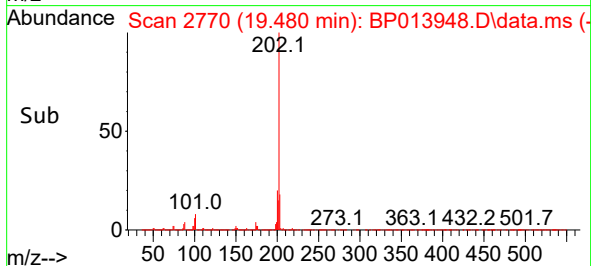
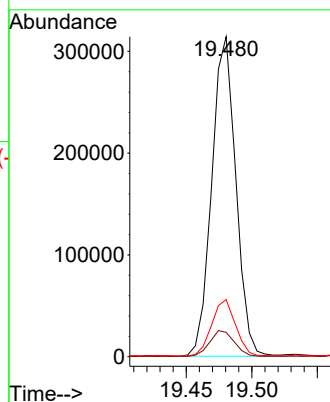
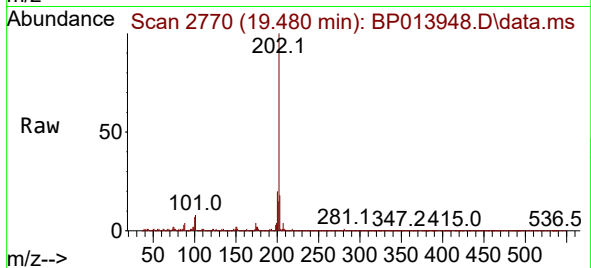
Tgt Ion:202 Resp: 400882

Ion Ratio Lower Upper

202 100

101 7.6 0.0 30.0

203 17.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.563 min Scan# 3124

Delta R.T. -0.006 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

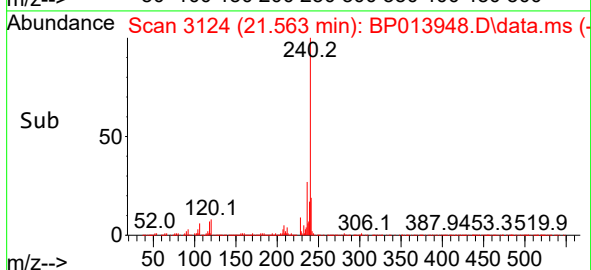
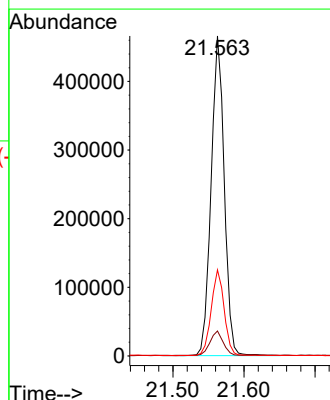
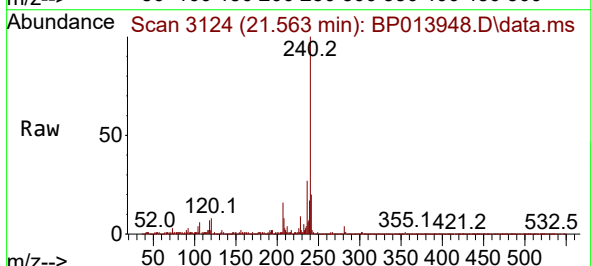
Tgt Ion:240 Resp: 598191

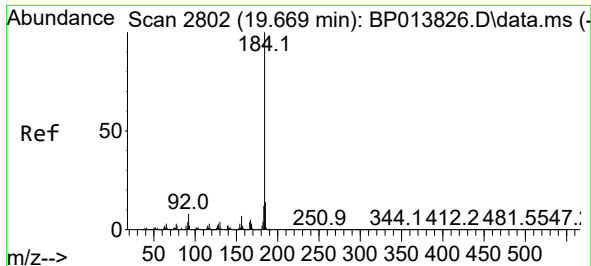
Ion Ratio Lower Upper

240 100

120 7.8 7.9 11.9#

236 26.9 20.9 31.3

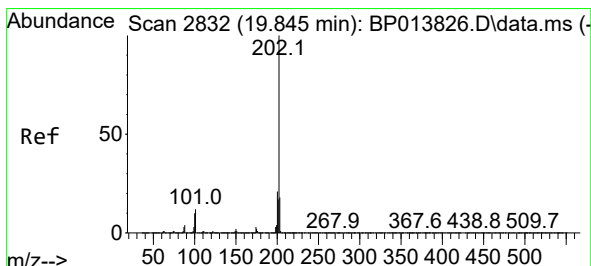
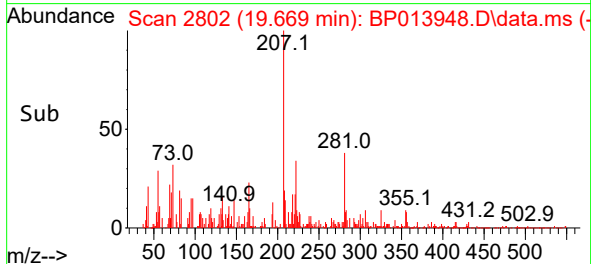
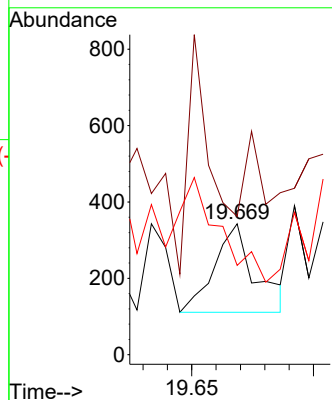
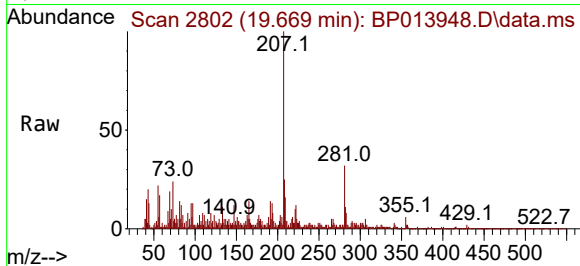




#77
Benzidine
Concen: 2.304 ng
RT: 19.669 min Scan# 2802
Delta R.T. 0.012 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

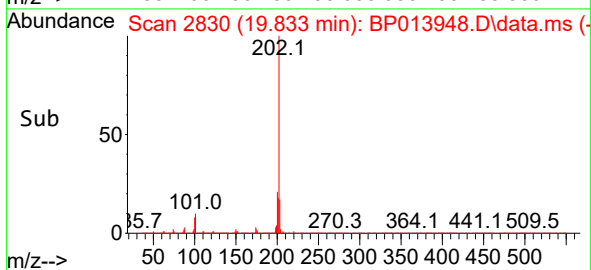
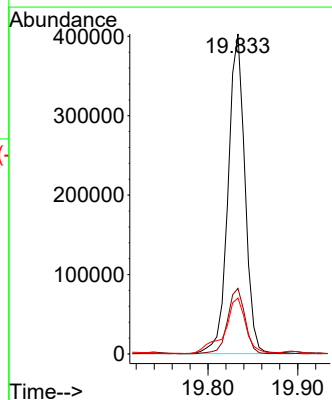
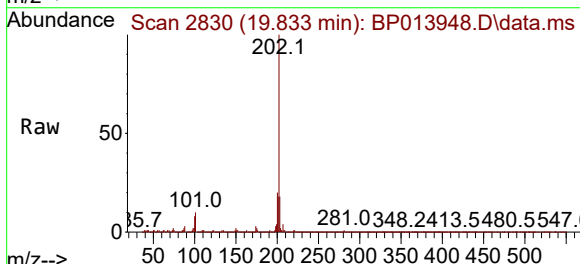
Instrument :
BNA_P
ClientSampleId :
CE-54-030123

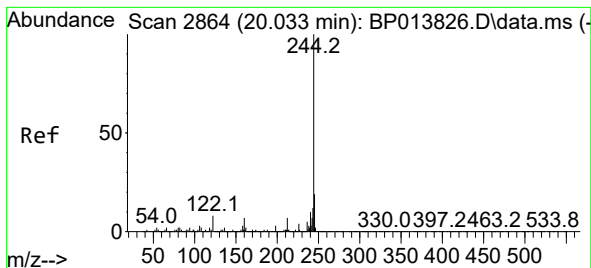
Tgt Ion:184 Resp: 268
Ion Ratio Lower Upper
184 100
185 105.5 11.4 17.0#
183 68.2 9.6 14.4#



#78
Pyrene
Concen: 12.818 ng
RT: 19.833 min Scan# 2830
Delta R.T. 0.000 min
Lab File: BP013948.D
Acq: 03 Mar 2023 18:06

Tgt Ion:202 Resp: 523997
Ion Ratio Lower Upper
202 100
200 20.5 16.9 25.3
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 64.220 ng

RT: 20.022 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

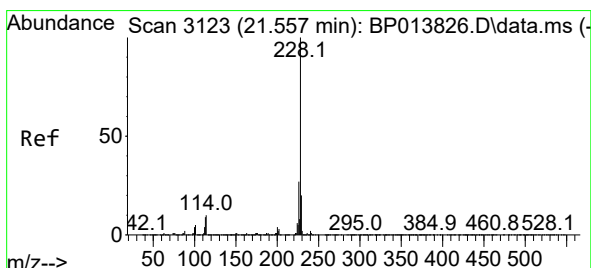
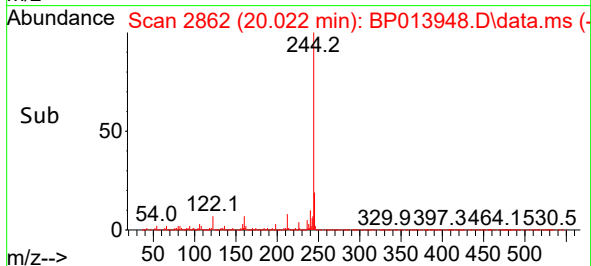
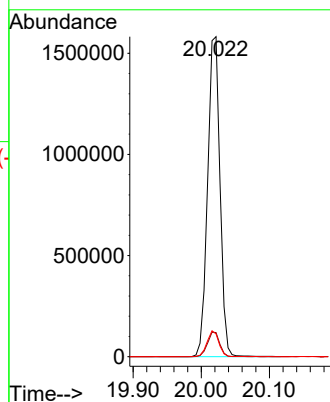
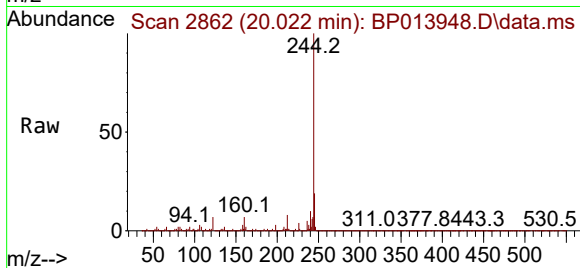
Tgt Ion:244 Resp: 1996668

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 7.1 6.7 10.1



#81

Benzo(a)anthracene

Concen: 6.543 ng

RT: 21.545 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

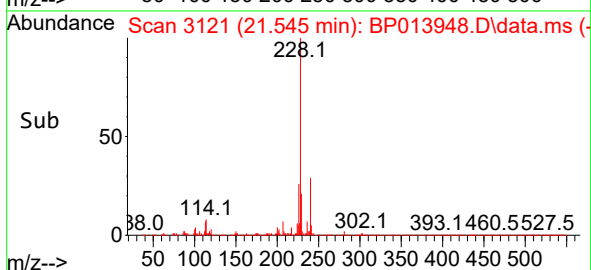
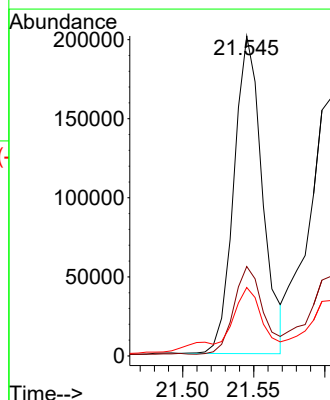
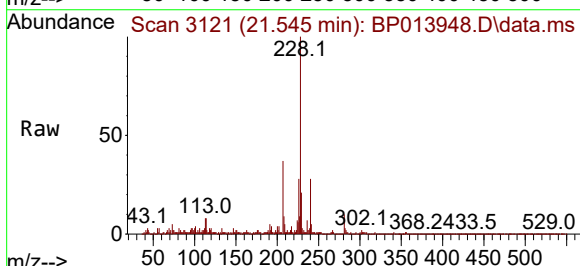
Tgt Ion:228 Resp: 280260

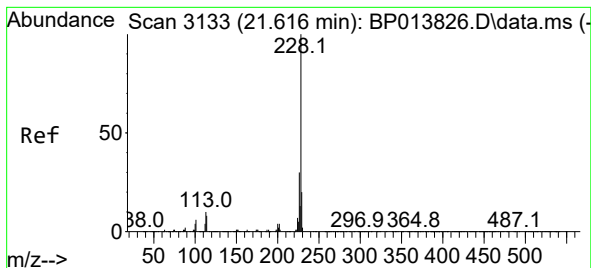
Ion Ratio Lower Upper

228 100

226 27.9 21.7 32.5

229 21.4 15.8 23.6





#83

Chrysene

Concen: 6.367 ng

RT: 21.604 min Scan# 3133

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

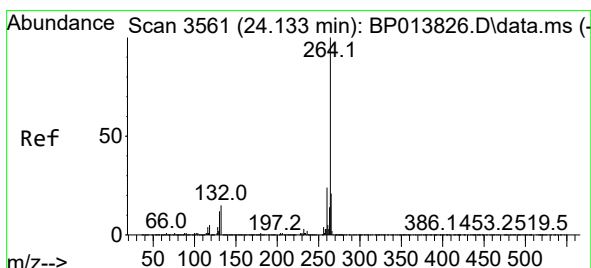
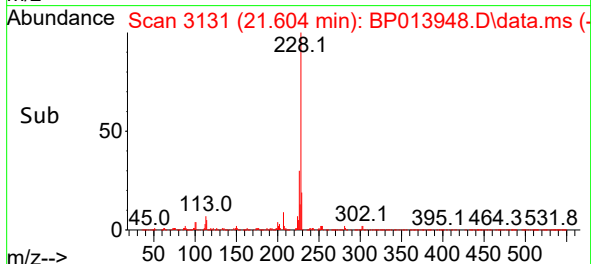
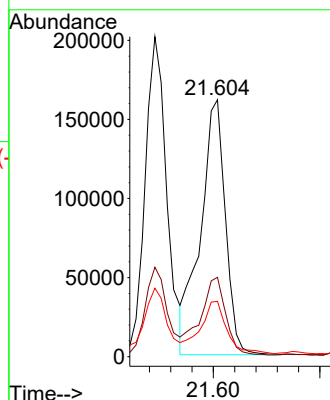
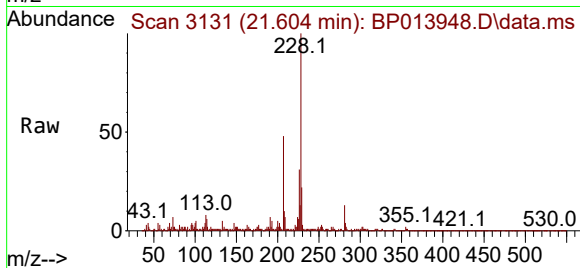
Tgt Ion:228 Resp: 264219

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.8

229 21.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.110 min Scan# 3557

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

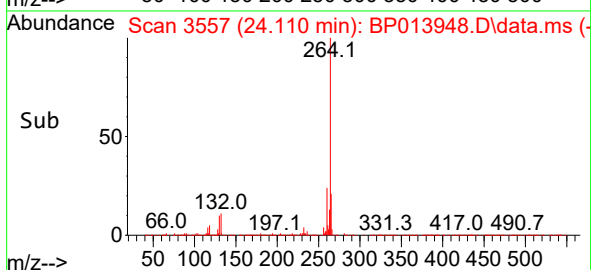
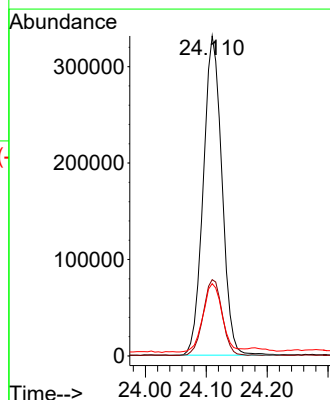
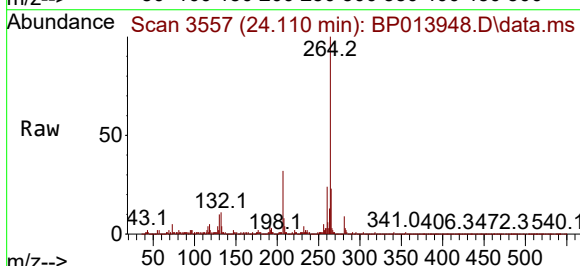
Tgt Ion:264 Resp: 703752

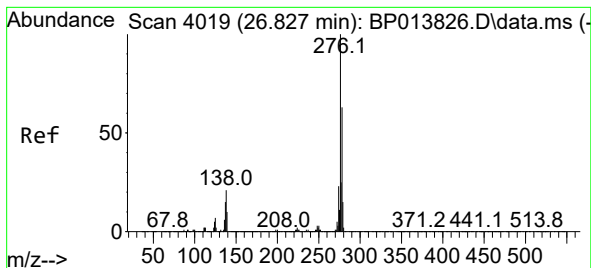
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

265 22.6 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.326 ng

RT: 26.786 min Scan# 4019

Delta R.T. -0.018 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

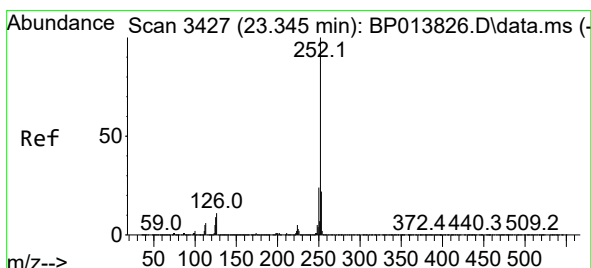
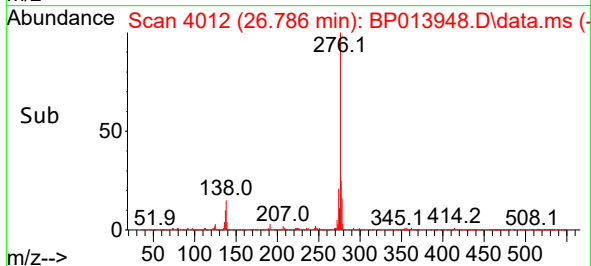
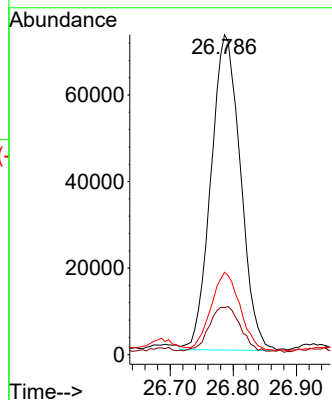
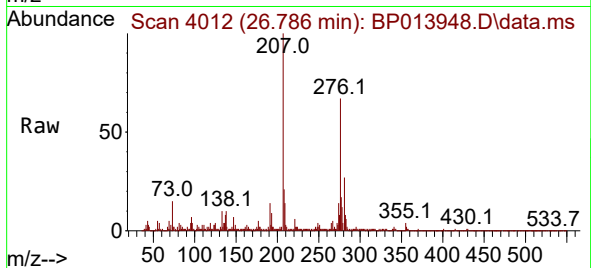
Tgt Ion:276 Resp: 236842

Ion Ratio Lower Upper

276 100

138 14.8 17.8 26.8#

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.113 ng

RT: 23.327 min Scan# 3424

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

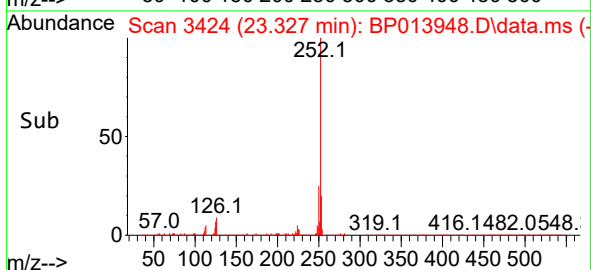
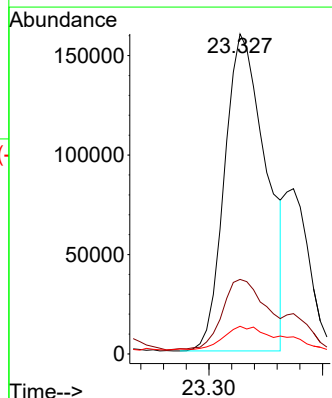
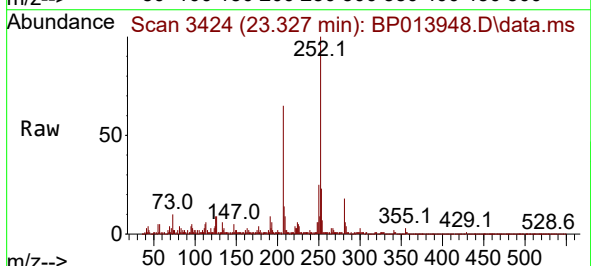
Tgt Ion:252 Resp: 405628

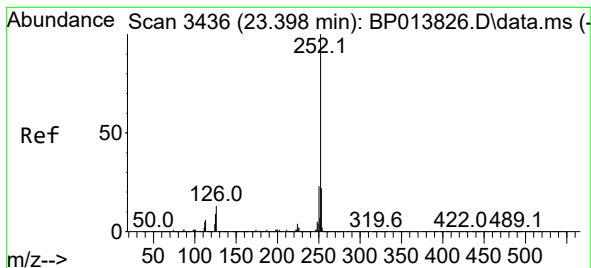
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 8.7 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 8.978 ng

RT: 23.327 min Scan# 34

Delta R.T. -0.053 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

Instrument :

BNA_P

ClientSampleId :

CE-54-030123

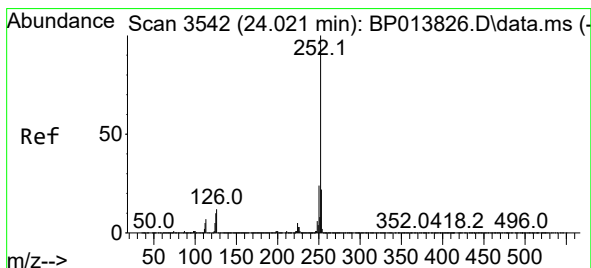
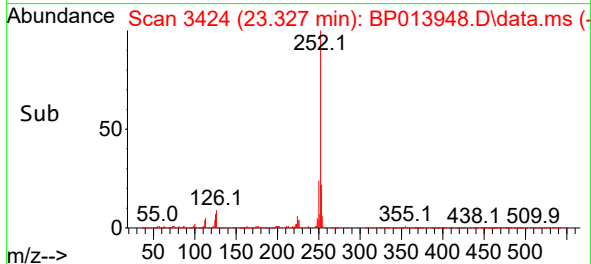
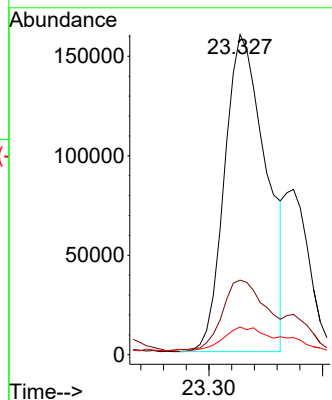
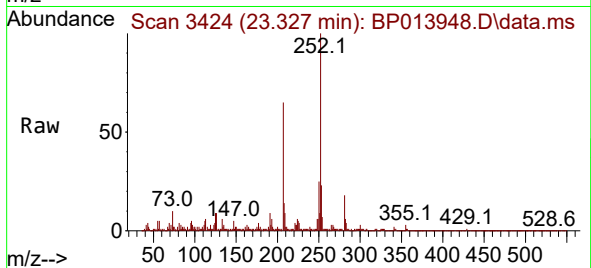
Tgt Ion:252 Resp: 405628

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 8.7 7.0 10.4



#90

Benzo(a)pyrene

Concen: 8.051 ng

RT: 23.998 min Scan# 3538

Delta R.T. 0.000 min

Lab File: BP013948.D

Acq: 03 Mar 2023 18:06

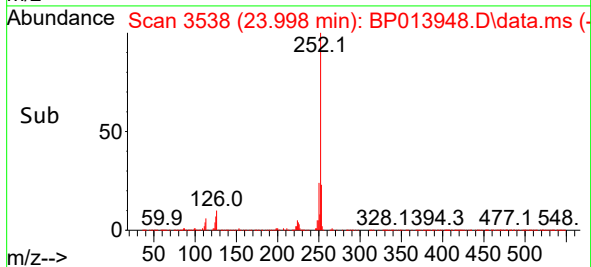
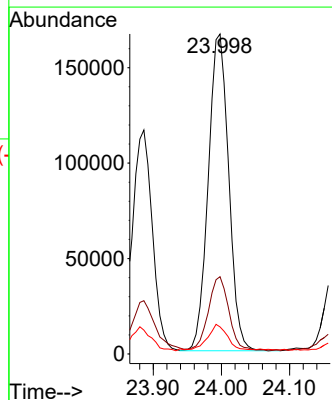
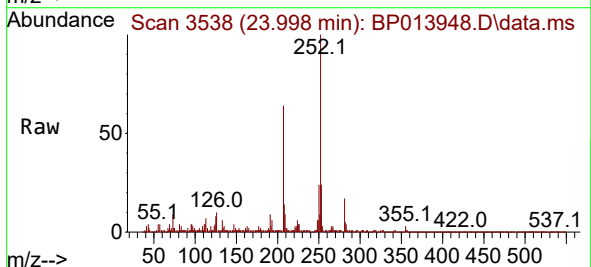
Tgt Ion:252 Resp: 346446

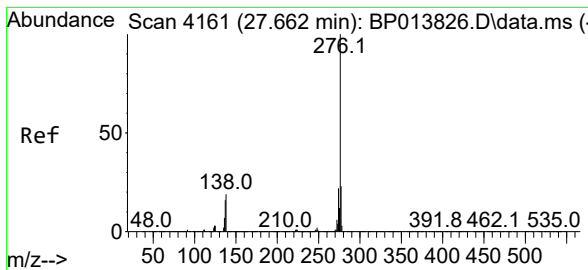
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 8.4 7.7 11.5





#92
 Benzo(g,h,i)perylene
 Concen: 5.827 ng
 RT: 27.615 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BP013948.D
 Acq: 03 Mar 2023 18:06

Instrument :
 BNA_P
 ClientSampleId :
 CE-54-030123

Tgt Ion:	276	Resp:	264273
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.7	28.1
138	15.3	15.5	23.3#

