

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037448.D
 Acq On : 10 Nov 2022 13:07
 Operator : CG/JU
 Sample : N5436-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 250FERRYBLVD-TFS-01DL

Quant Time: Nov 10 15:55:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 09 02:08:14 2022
 Response via : Initial Calibration

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

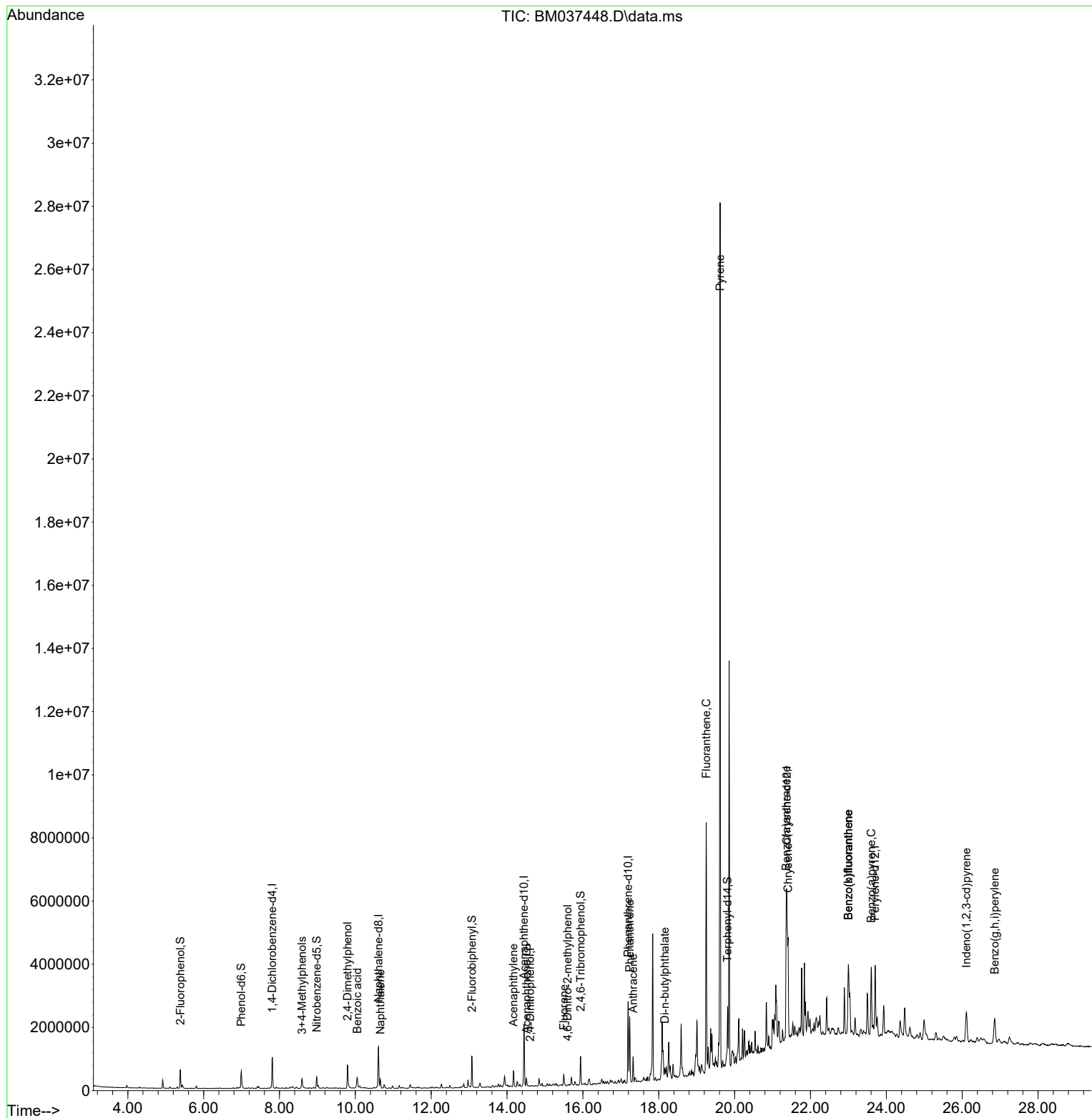
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	265910	20.000	ng	-0.01
21) Naphthalene-d8	10.610	136	1085746	20.000	ng	-0.02
39) Acenaphthene-d10	14.445	164	658494	20.000	ng	-0.02
64) Phenanthrene-d10	17.192	188	1410957	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1480092	20.000	ng	0.00
86) Perylene-d12	23.703	264	1538127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	265788	17.268	ng	0.00
7) Phenol-d6	6.993	99	333850	15.982	ng	-0.01
23) Nitrobenzene-d5	8.981	82	208235	9.676	ng	-0.02
42) 2,4,6-Tribromophenol	15.939	330	157776	20.332	ng	-0.02
45) 2-Fluorobiphenyl	13.075	172	502736	10.144	ng	-0.02
79) Terphenyl-d14	19.815	244	805630	9.761	ng	-0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.593	107	160010	7.615	ng	92
27) 2,4-Dimethylphenol	9.792	122	247050	17.043	ng	98
31) Naphthalene	10.657	128	220070	3.578	ng	99
32) Benzoic acid	10.051	122	76420	11.928	ng	# 31
49) Acenaphthylene	14.169	152	350726	5.343	ng	98
52) Acenaphthene	14.510	154	81183	2.000	ng	98
54) 2,4-Dinitrophenol	14.610	184	110	6.460	ng	# 1
58) Fluorene	15.492	166	158007	3.028	ng	# 98
65) 4,6-Dinitro-2-methylph...	15.598	198	534	5.062	ng	# 1
71) Phenanthrene	17.233	178	1185082	13.538	ng	99
72) Anthracene	17.321	178	497355	6.002	ng	99
74) Di-n-butylphthalate	18.162	149	267338	3.185	ng	100
75) Fluoranthene	19.251	202	4153831	44.890	ng	99
78) Pyrene	19.615	202	4756718	41.794	ng	96
81) Benzo(a)anthracene	21.356	228	1933860	18.353	ng	97
83) Chrysene	21.409	228	1794048	17.672	ng	98
87) Indeno(1,2,3-cd)pyrene	26.109	276	946528	7.516	ng	# 94
88) Benzo(b)fluoranthene	22.997	252	2644061	24.761	ng	99
89) Benzo(k)fluoranthene	22.997	252	2644219	24.276	ng	99
90) Benzo(a)pyrene	23.603	252	1490976	17.136	ng	97
92) Benzo(g,h,i)perylene	26.856	276	925462	9.092	ng	97

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

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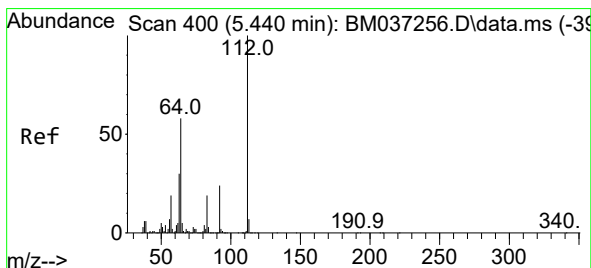
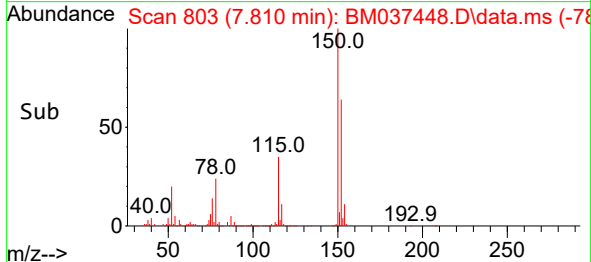
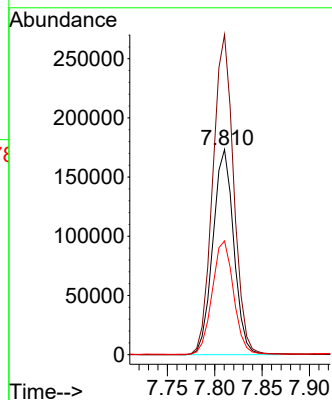
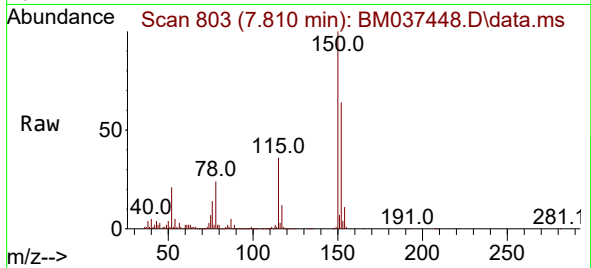




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

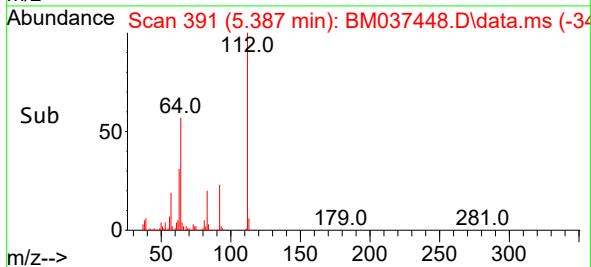
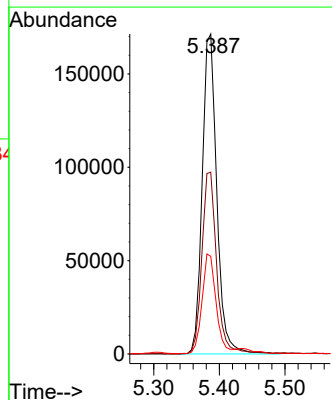
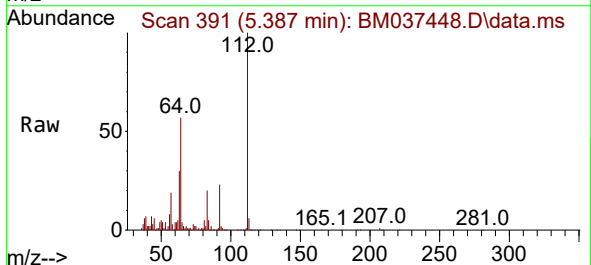
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

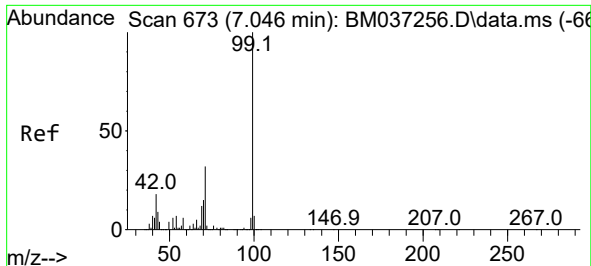
Tgt Ion:152 Resp: 265910
Ion Ratio Lower Upper
152 100
150 156.0 124.8 187.2
115 55.4 47.0 70.4



#5
2-Fluorophenol
Concen: 17.268 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:112 Resp: 265788
Ion Ratio Lower Upper
112 100
64 56.8 46.8 70.2
63 30.5 24.4 36.6

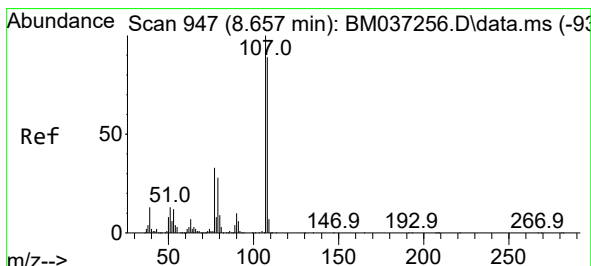
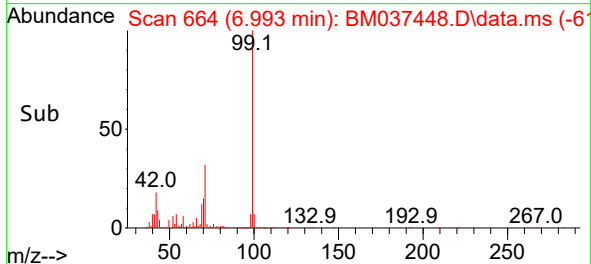
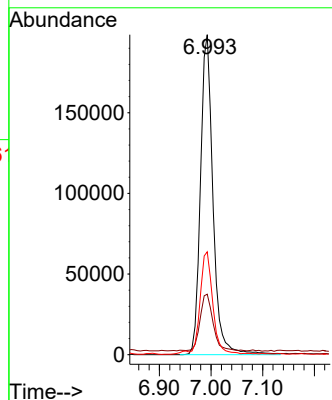
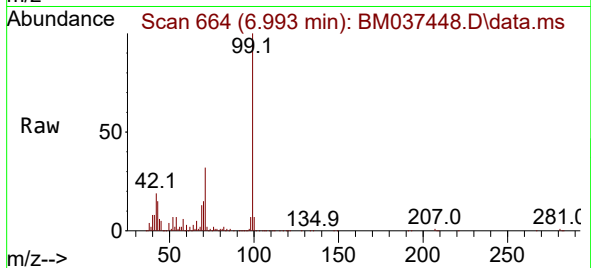




#7
Phenol-d6
Concen: 15.982 ng
RT: 6.993 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

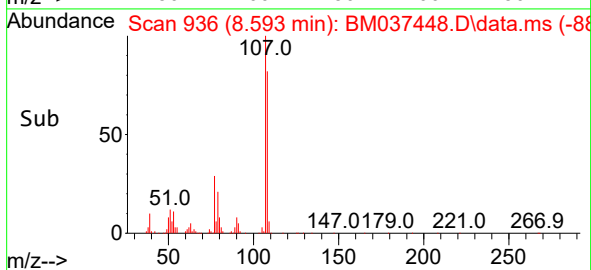
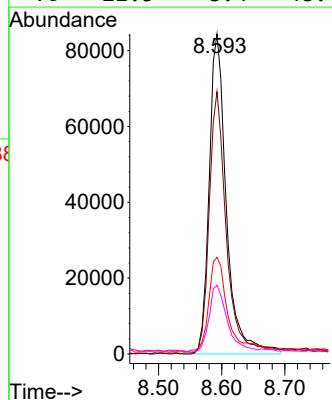
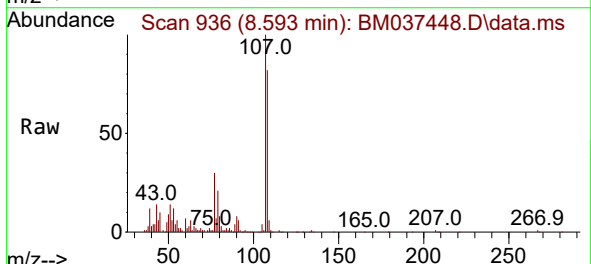
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

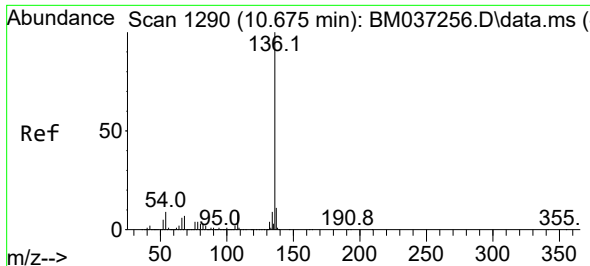
Tgt Ion: 99 Resp: 333850
Ion Ratio Lower Upper
99 100
42 18.9 14.8 22.2
71 32.1 25.6 38.4



#20
3+4-Methylphenols
Concen: 7.615 ng
RT: 8.593 min Scan# 936
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion: 107 Resp: 160010
Ion Ratio Lower Upper
107 100
108 82.0 69.4 109.4
77 30.2 12.8 52.8
79 21.5 8.4 48.4

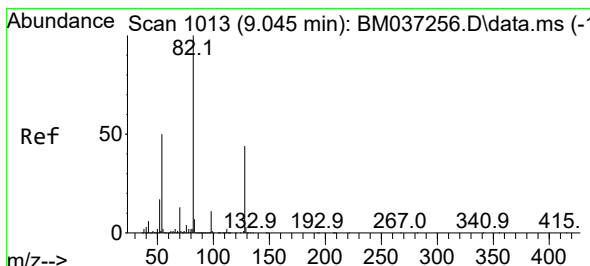
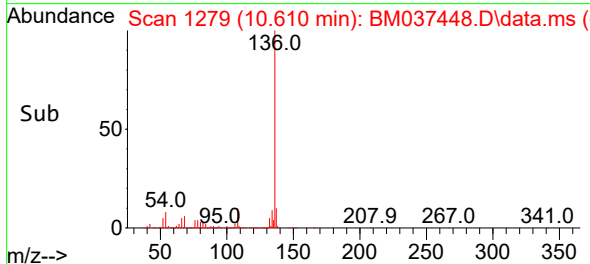
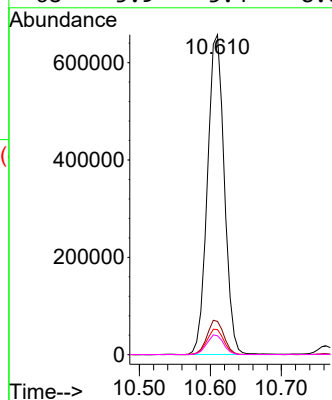
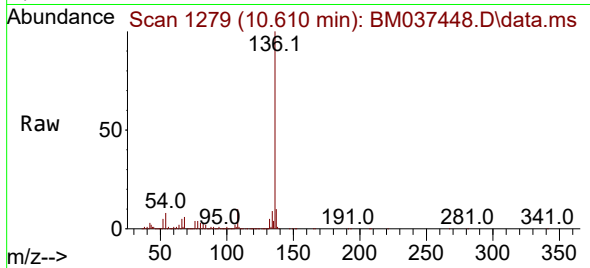




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

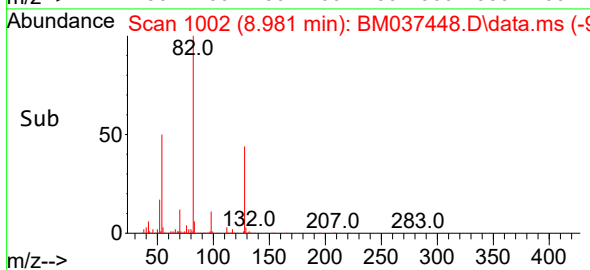
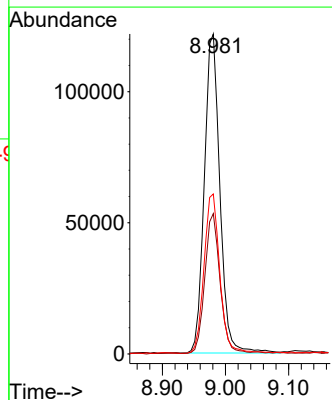
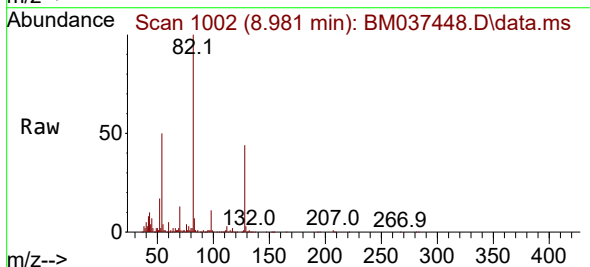
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

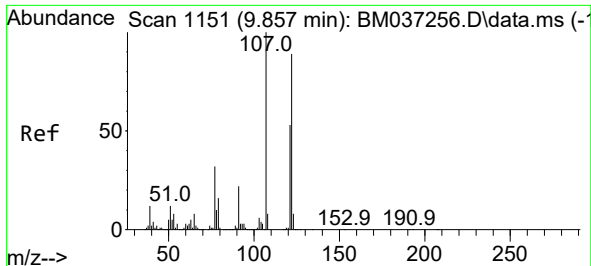
Tgt Ion:136 Resp: 1085746
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 7.8 7.0 10.4
68 5.9 5.4 8.0



#23
Nitrobenzene-d5
Concen: 9.676 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion: 82 Resp: 208235
Ion Ratio Lower Upper
82 100
128 43.8 35.2 52.8
54 50.0 40.4 60.6

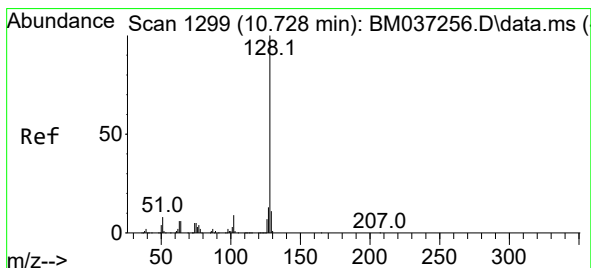
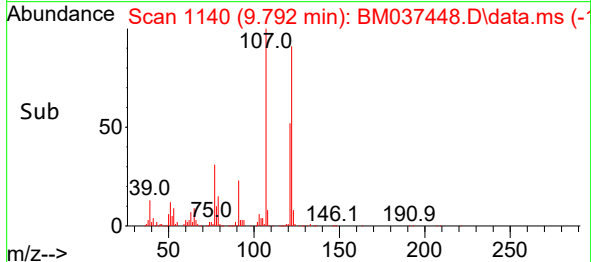
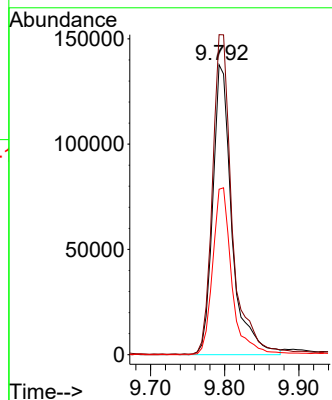
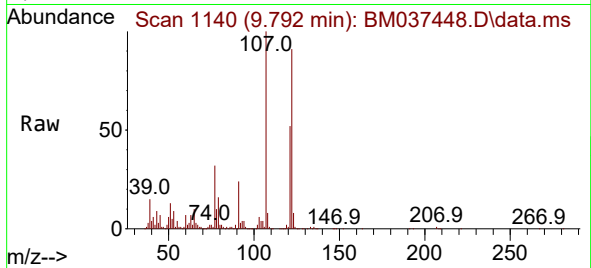




#27
2,4-Dimethylphenol
Concen: 17.043 ng
RT: 9.792 min Scan# 1151
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

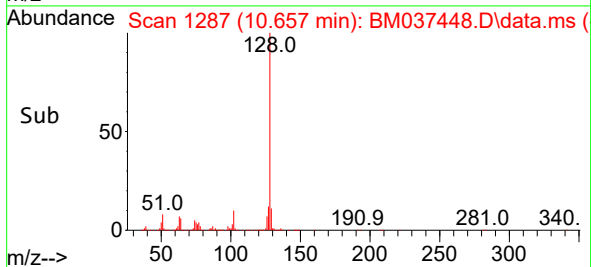
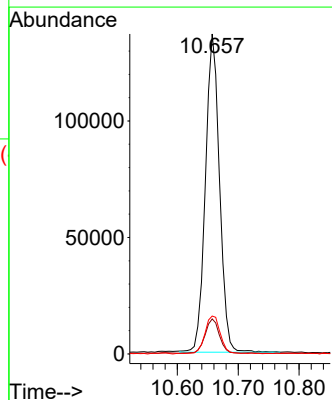
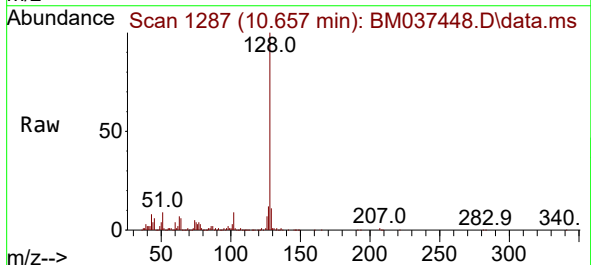
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

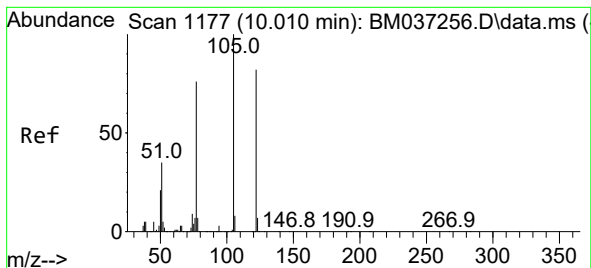
Tgt Ion:122 Resp: 247050
Ion Ratio Lower Upper
122 100
107 110.4 89.7 134.5
121 57.1 47.1 70.7



#31
Naphthalene
Concen: 3.578 ng
RT: 10.657 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:128 Resp: 220070
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 11.9 10.2 15.2





#32

Benzoic acid

Concen: 11.928 ng

RT: 10.051 min Scan# 1177

Delta R.T. 0.077 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

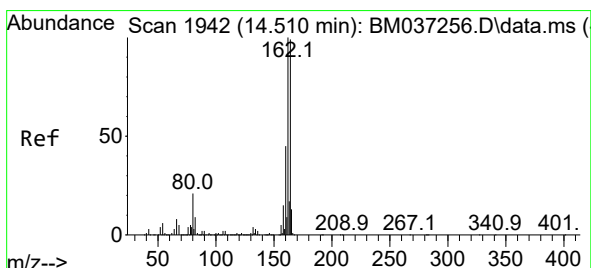
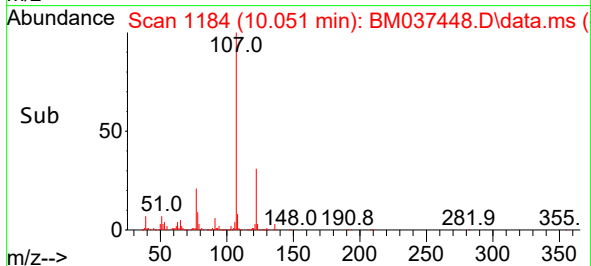
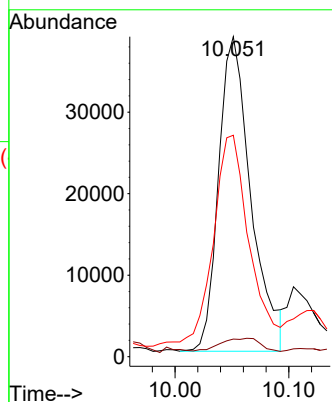
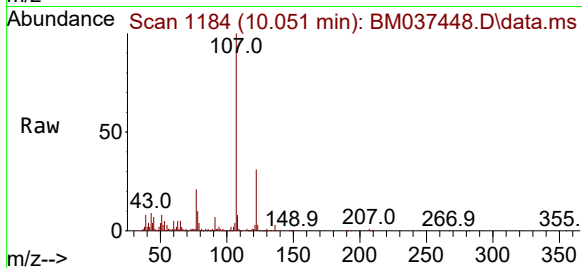
Tgt Ion:122 Resp: 76420

Ion Ratio Lower Upper

122 100

105 5.5 100.1 140.1#

77 69.2 71.7 111.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1931

Delta R.T. -0.018 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

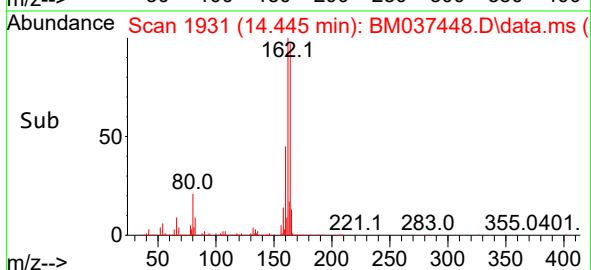
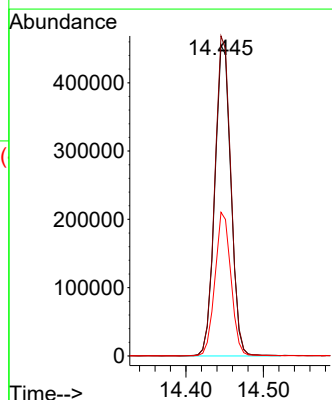
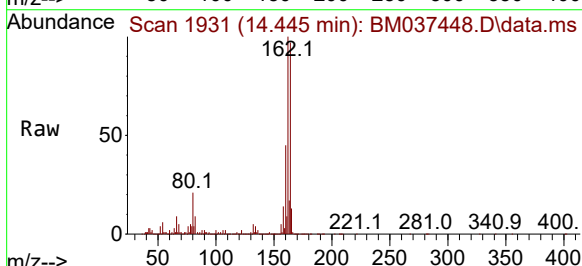
Tgt Ion:164 Resp: 658494

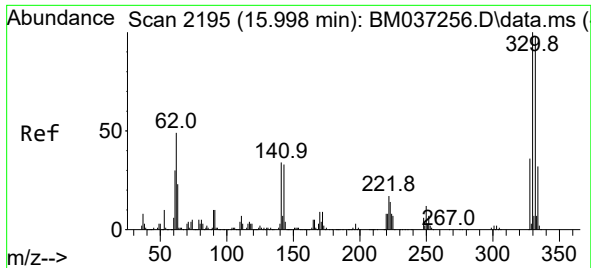
Ion Ratio Lower Upper

164 100

162 102.9 80.6 120.8

160 46.2 36.2 54.4

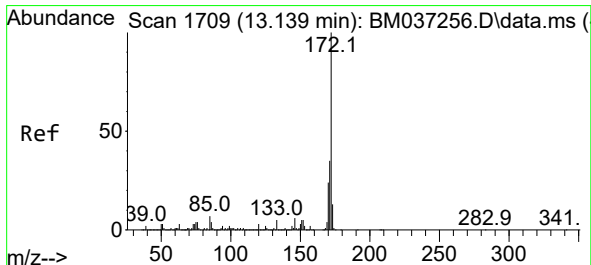
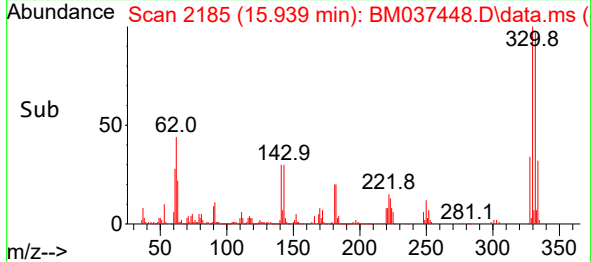
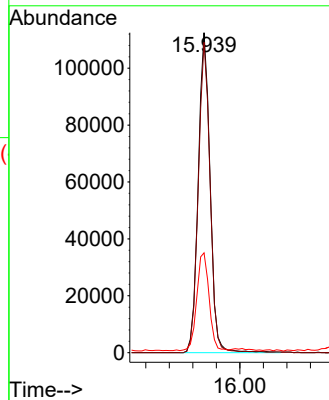
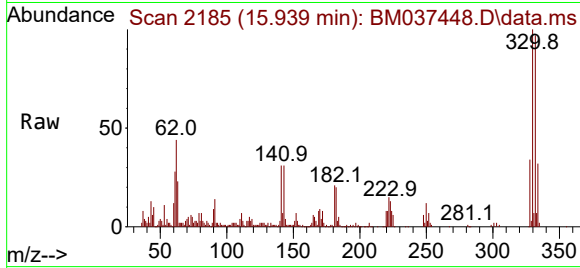




#42
2,4,6-Tribromophenol
Concen: 20.332 ng
RT: 15.939 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

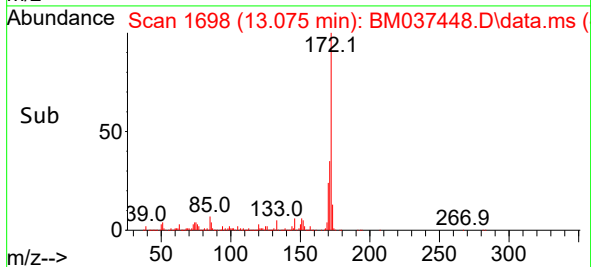
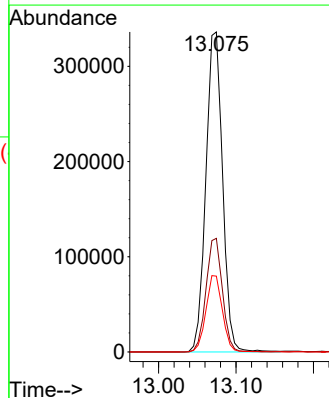
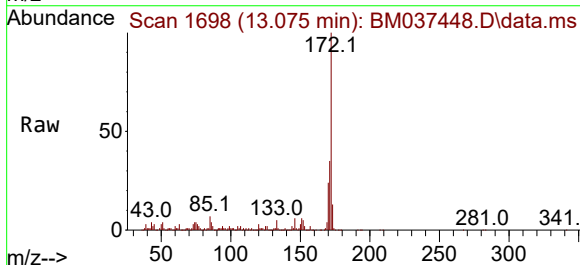
Instrument :
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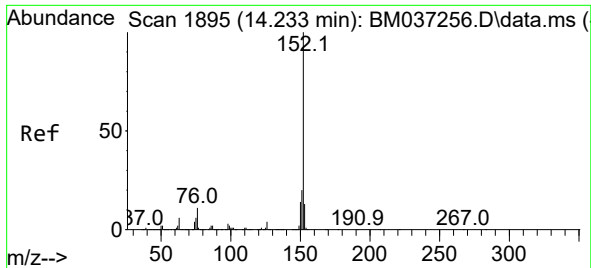
Tgt Ion:330 Resp: 157776
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 31.5 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 10.144 ng
RT: 13.075 min Scan# 1698
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:172 Resp: 502736
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.7 19.0 28.4

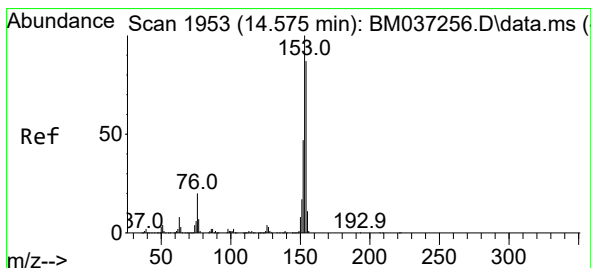
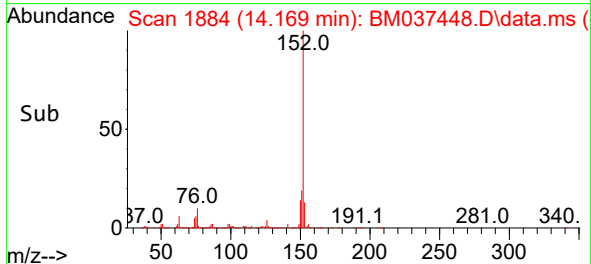
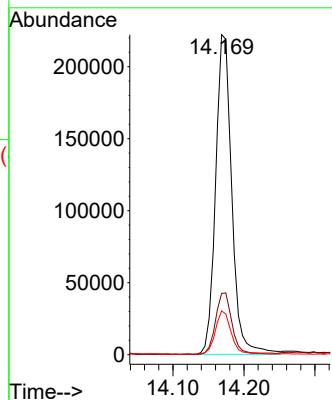
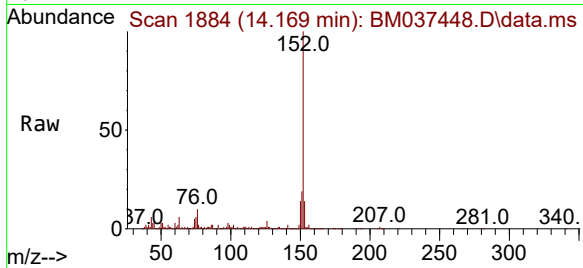




#49
Acenaphthylene
Concen: 5.343 ng
RT: 14.169 min Scan# 1884
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

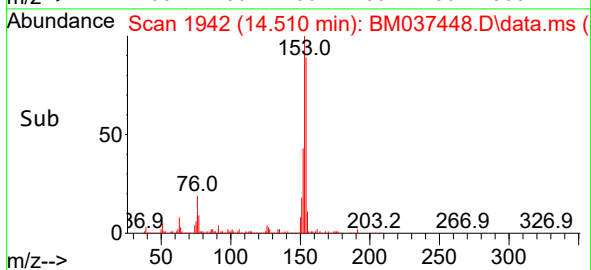
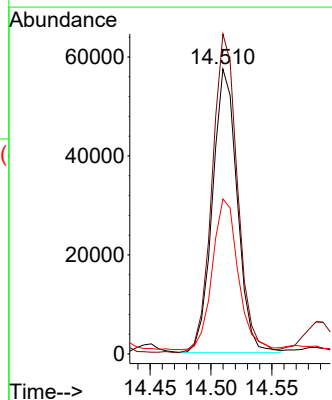
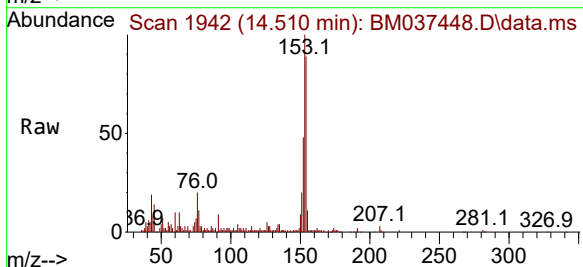
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

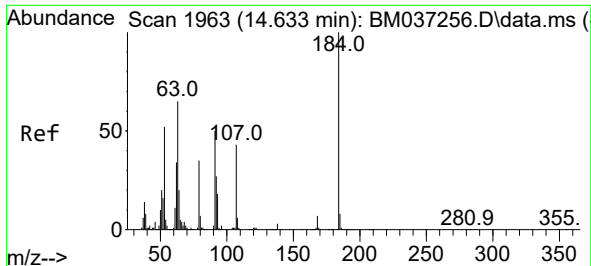
Tgt Ion:152 Resp: 350726
Ion Ratio Lower Upper
152 100
151 19.2 16.0 24.0
153 13.7 10.6 15.8



#52
Acenaphthene
Concen: 2.000 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:154 Resp: 81183
Ion Ratio Lower Upper
154 100
153 112.3 91.5 137.3
152 54.4 43.0 64.6

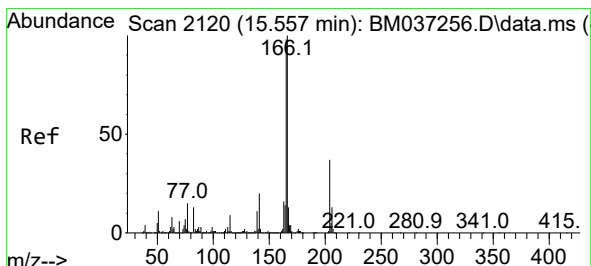
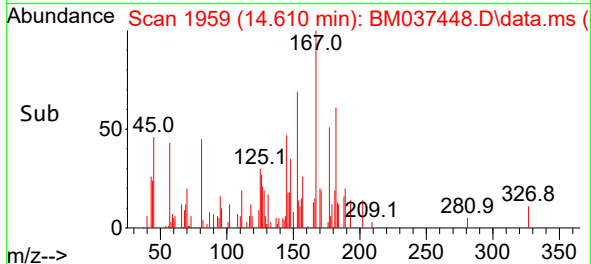
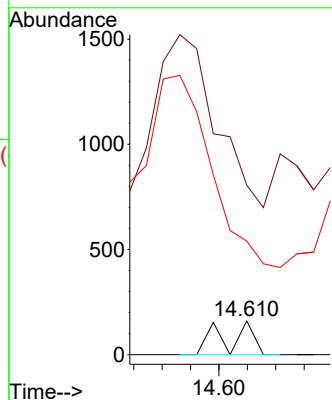
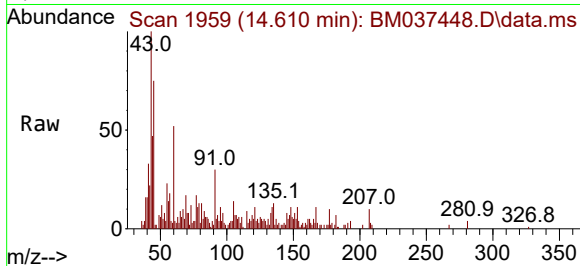




#54
2,4-Dinitrophenol
Concen: 6.460 ng
RT: 14.610 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

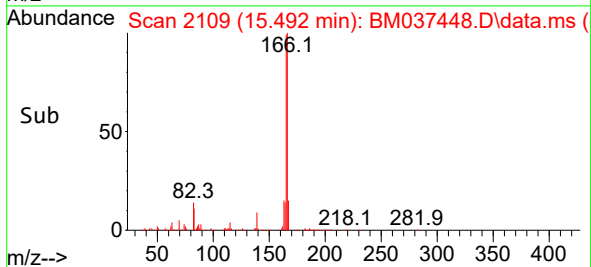
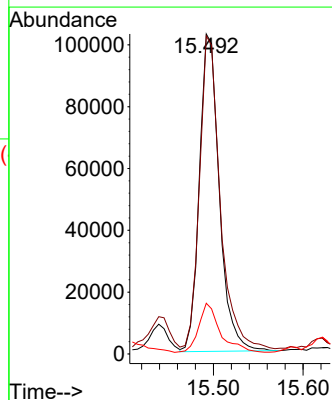
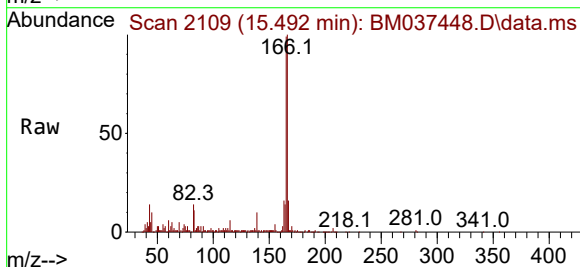
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

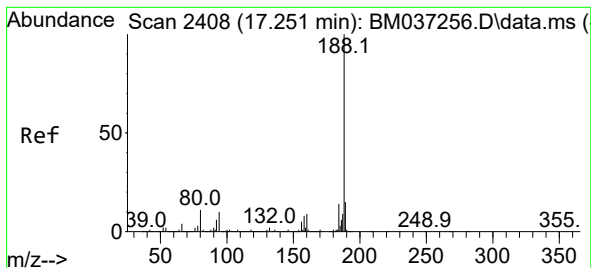
Tgt Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
63 503.1 57.7 86.5#
154 337.5 48.3 72.5#



#58
Fluorene
Concen: 3.028 ng
RT: 15.492 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:166 Resp: 158007
Ion Ratio Lower Upper
166 100
165 99.4 78.2 117.4
167 15.9 10.6 15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

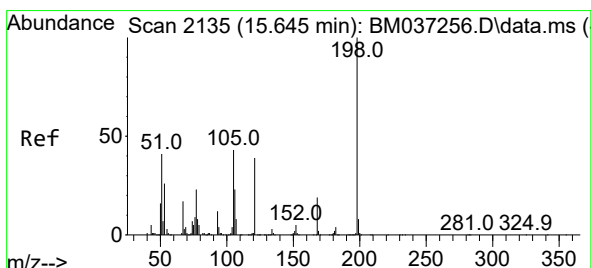
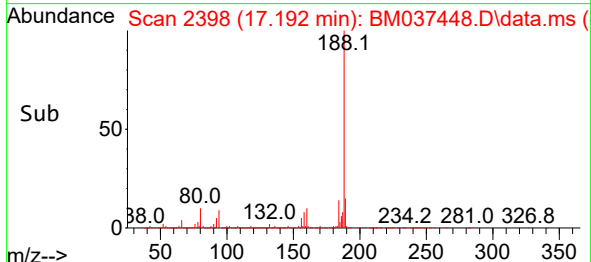
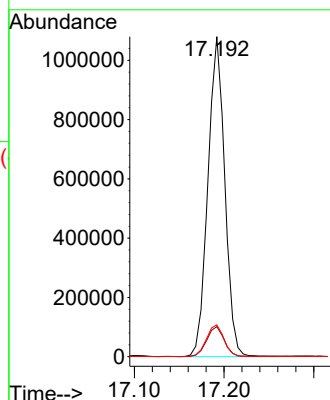
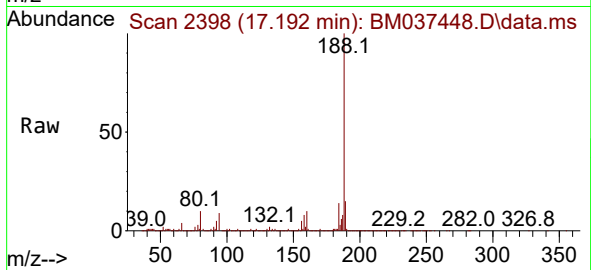
Tgt Ion:188 Resp: 1410957

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 9.9 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.062 ng

RT: 15.598 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

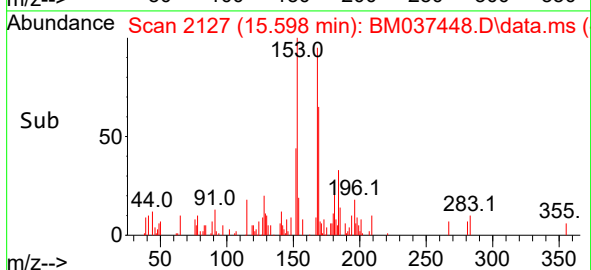
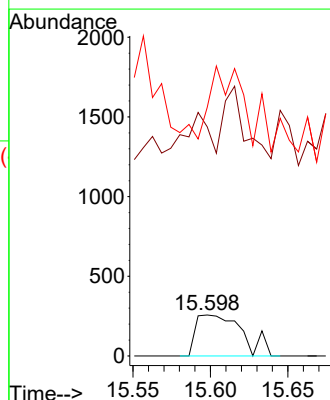
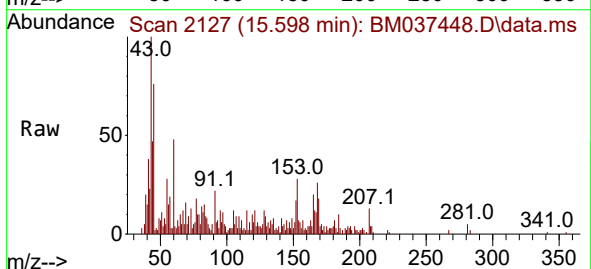
Tgt Ion:198 Resp: 534

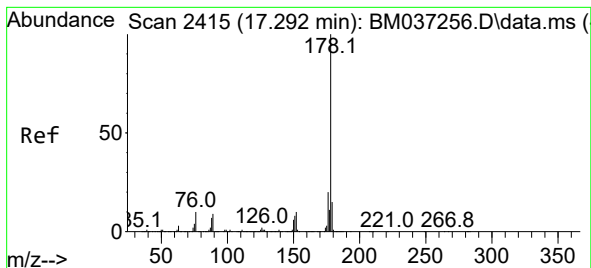
Ion Ratio Lower Upper

198 100

51 559.5 26.8 66.8#

105 607.0 24.1 64.1#





#71

Phenanthrene

Concen: 13.538 ng

RT: 17.233 min Scan# 2415

Delta R.T. -0.017 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

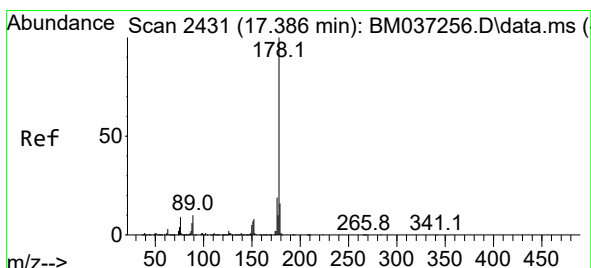
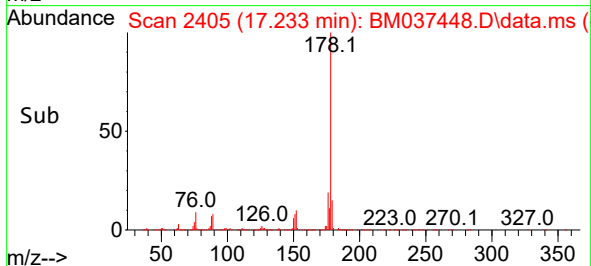
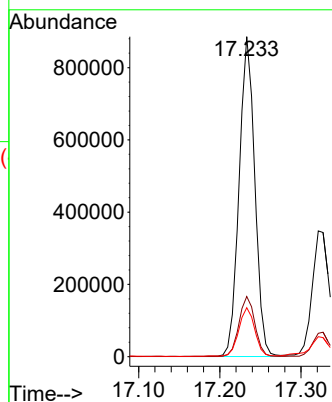
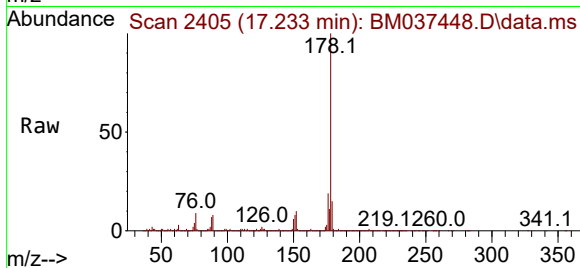
Tgt Ion:178 Resp: 1185082

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.3 12.4 18.6



#72

Anthracene

Concen: 6.002 ng

RT: 17.321 min Scan# 2420

Delta R.T. -0.018 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

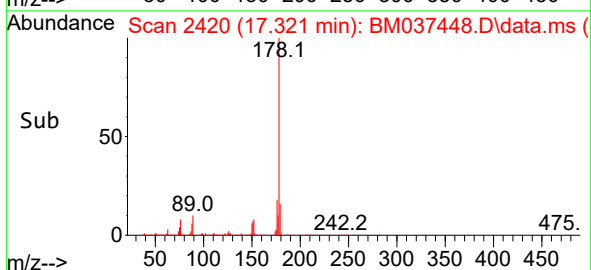
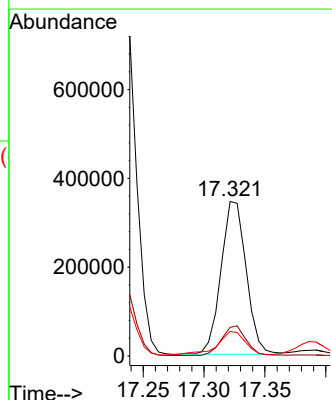
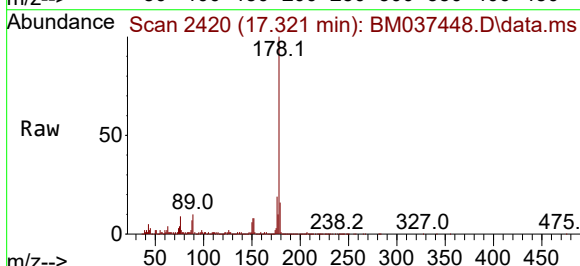
Tgt Ion:178 Resp: 497355

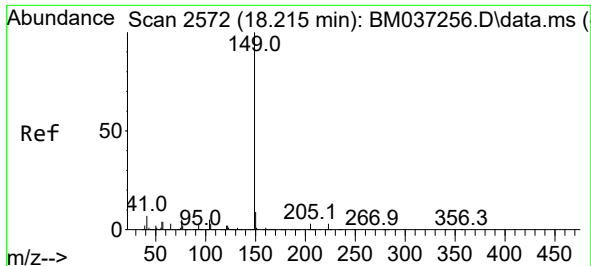
Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

179 16.0 12.6 19.0

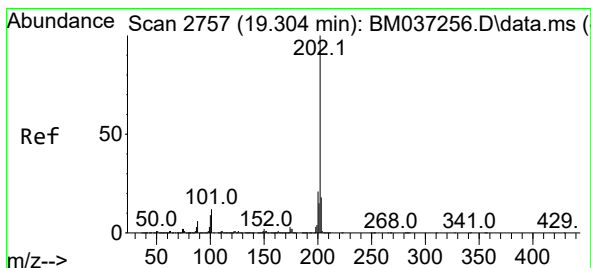
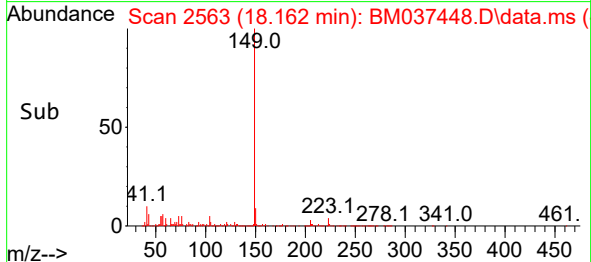
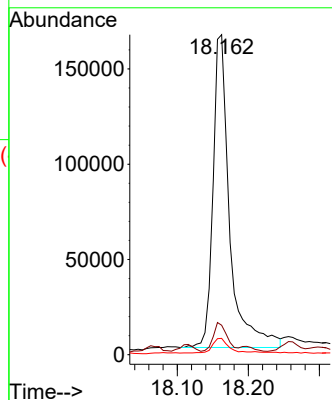
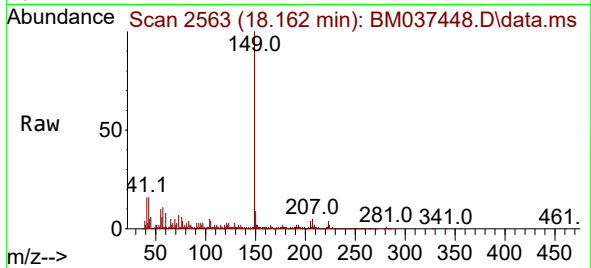




#74
Di-n-butylphthalate
Concen: 3.185 ng
RT: 18.162 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

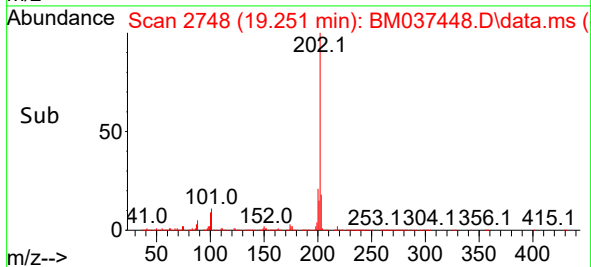
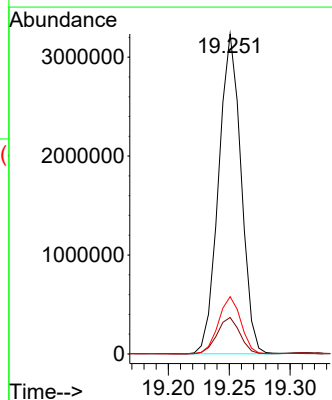
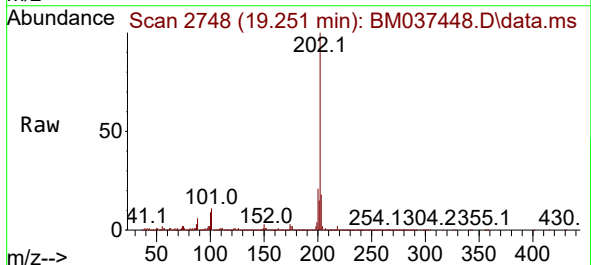
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

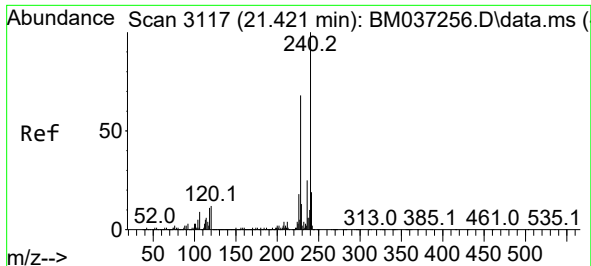
Tgt Ion:149 Resp: 267338
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.1 4.0 6.0



#75
Fluoranthene
Concen: 44.890 ng
RT: 19.251 min Scan# 2748
Delta R.T. -0.012 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:202 Resp: 4153831
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.4
203 17.9 0.0 37.8

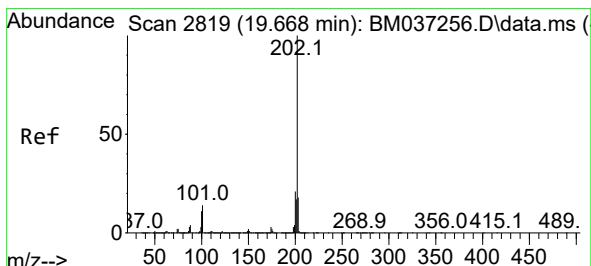
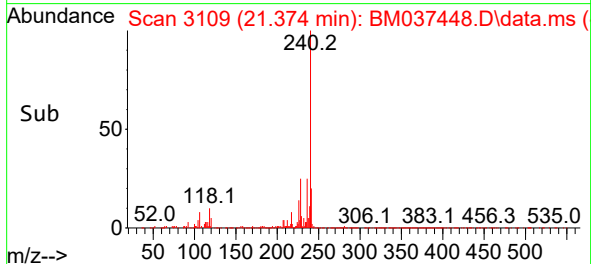
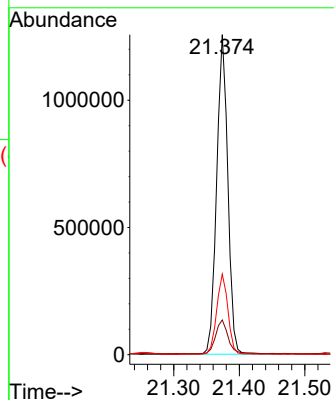
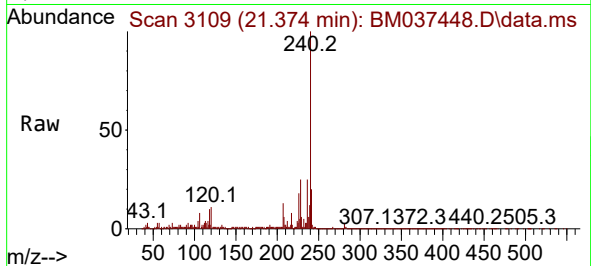




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

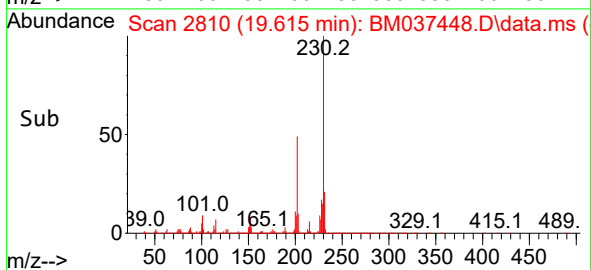
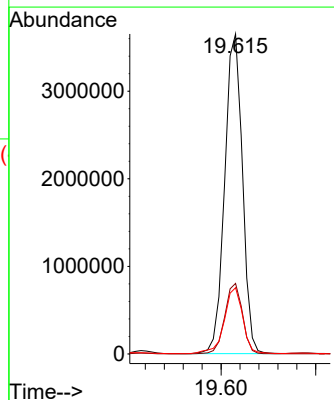
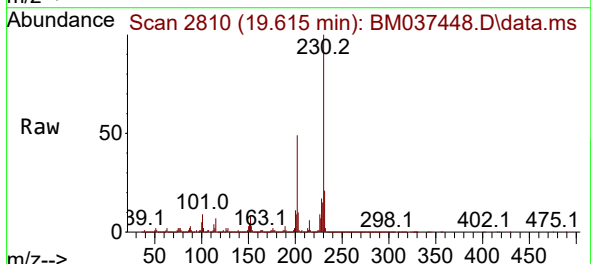
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

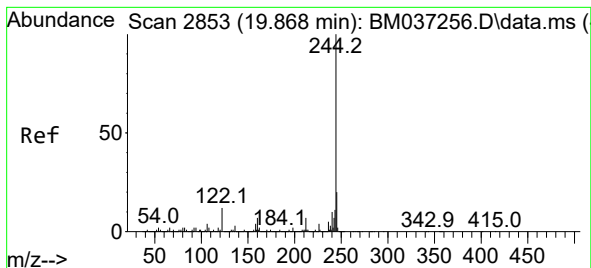
Tgt Ion:240 Resp: 1480092
Ion Ratio Lower Upper
240 100
120 10.8 9.9 14.9
236 25.2 20.3 30.5



#78
Pyrene
Concen: 41.794 ng
RT: 19.615 min Scan# 2810
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:202 Resp: 4756718
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.6
203 20.7 14.1 21.1





#79

Terphenyl-d14

Concen: 9.761 ng

RT: 19.815 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

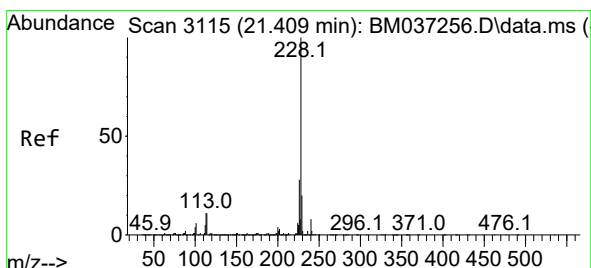
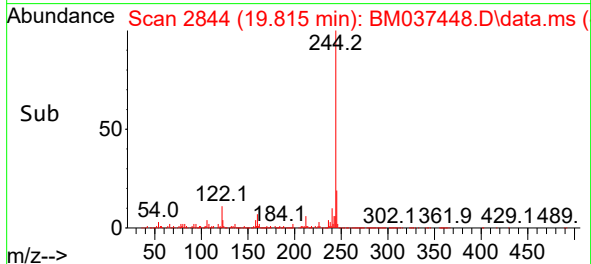
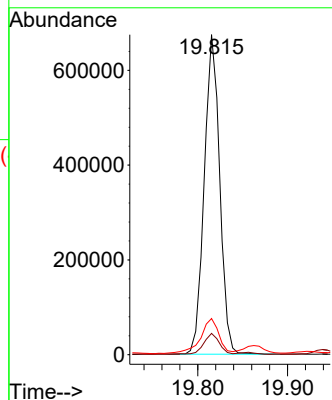
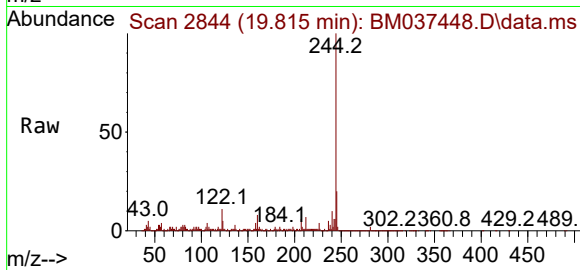
Tgt Ion:244 Resp: 805630

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.3 9.4 14.2



#81

Benzo(a)anthracene

Concen: 18.353 ng

RT: 21.356 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

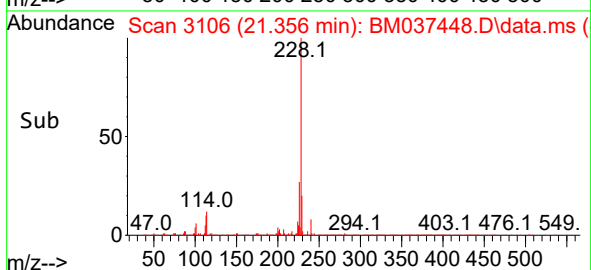
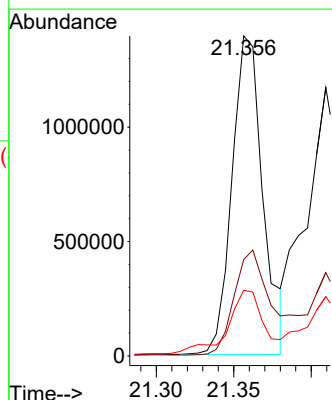
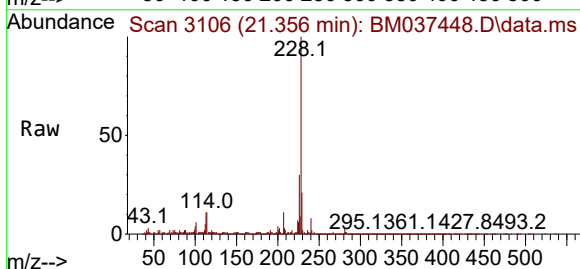
Tgt Ion:228 Resp: 1933860

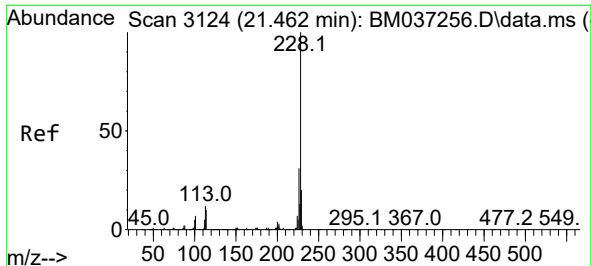
Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

229 20.6 16.2 24.2

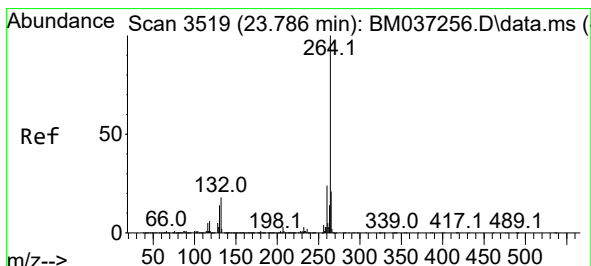
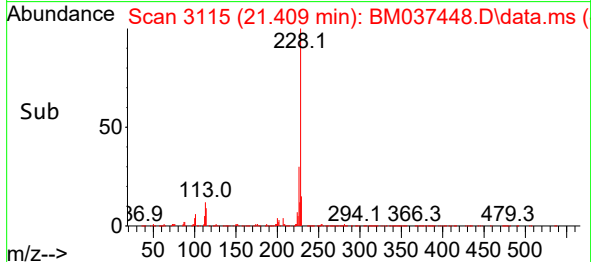
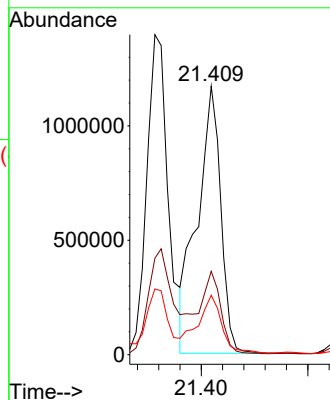
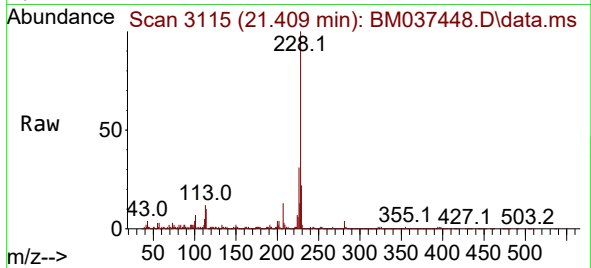




#83
Chrysene
Concen: 17.672 ng
RT: 21.409 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

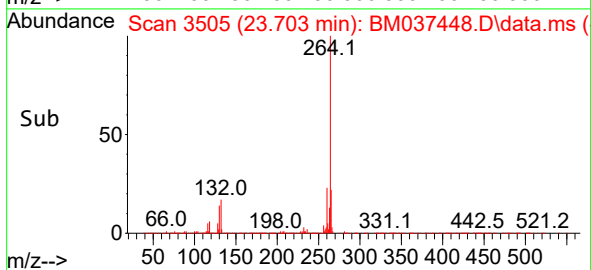
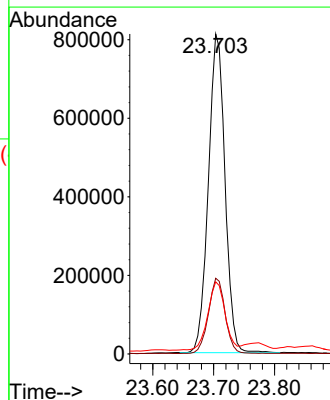
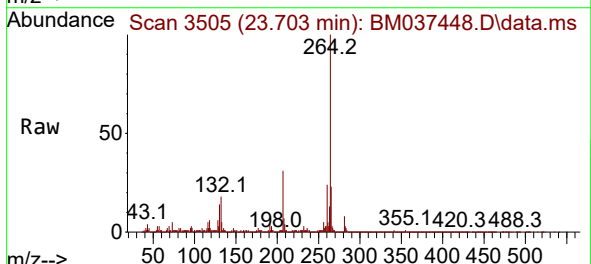
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

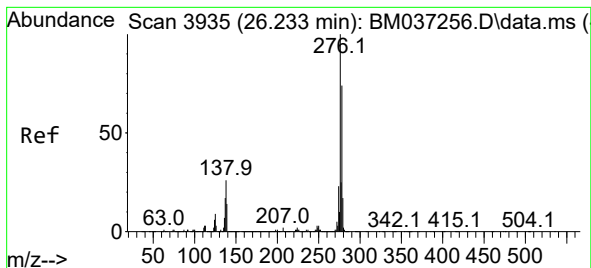
Tgt Ion:228 Resp: 1794048
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 22.1 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.703 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:264 Resp: 1538127
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.6 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.516 ng

RT: 26.109 min Scan# 3914

Delta R.T. -0.023 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

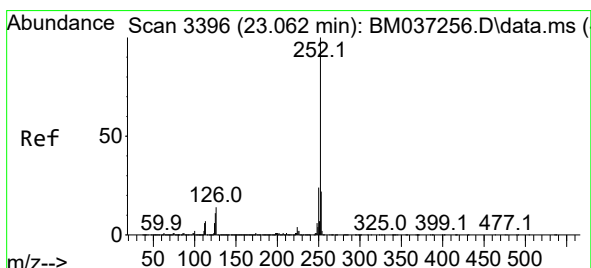
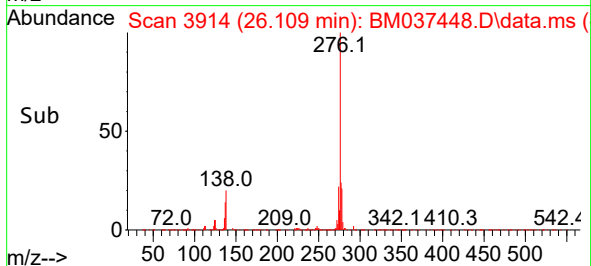
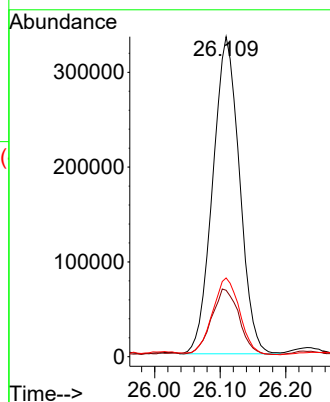
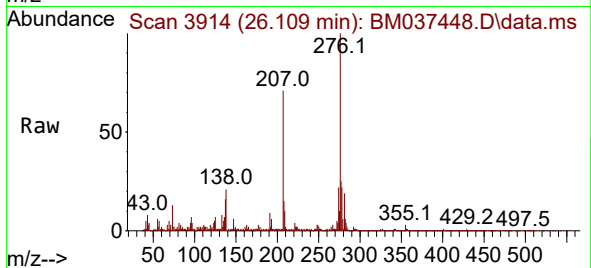
Tgt Ion:276 Resp: 946528

Ion Ratio Lower Upper

276 100

138 21.3 21.5 32.3#

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 24.761 ng

RT: 22.997 min Scan# 3385

Delta R.T. -0.006 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

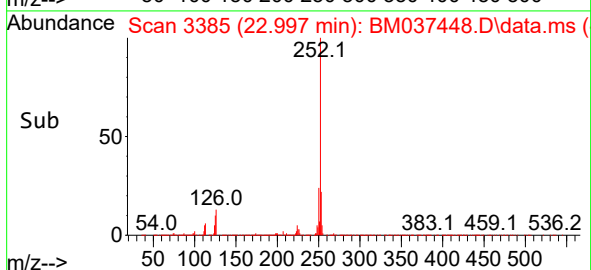
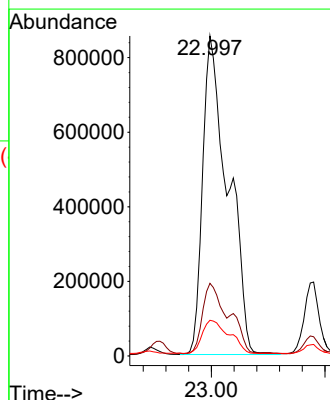
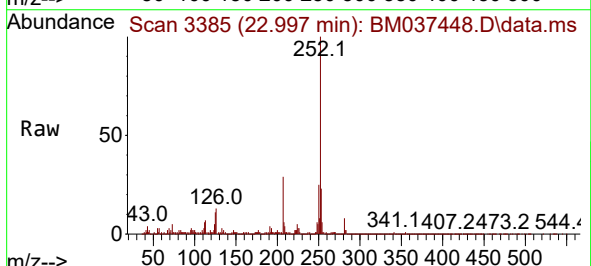
Tgt Ion:252 Resp: 2644061

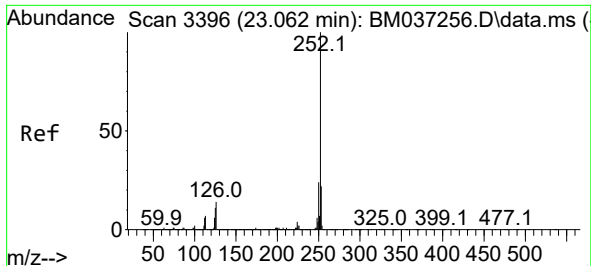
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 11.2 9.1 13.7

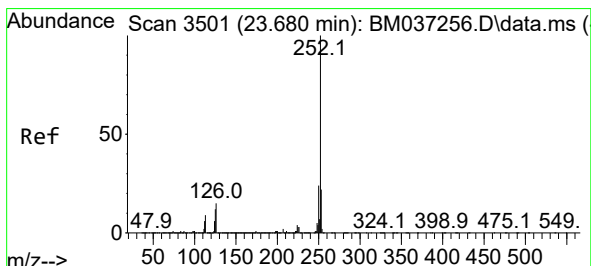
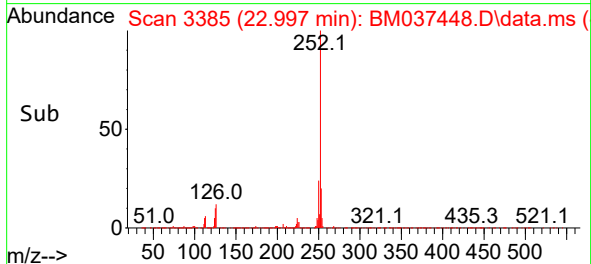
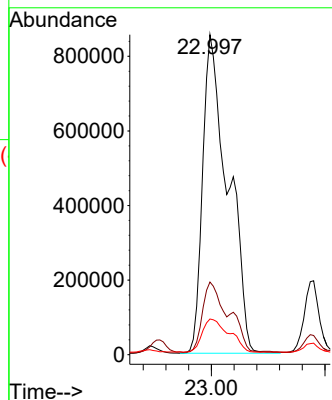
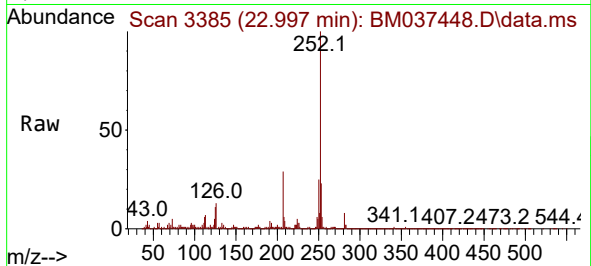




#89
Benzo(k)fluoranthene
Concen: 24.276 ng
RT: 22.997 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

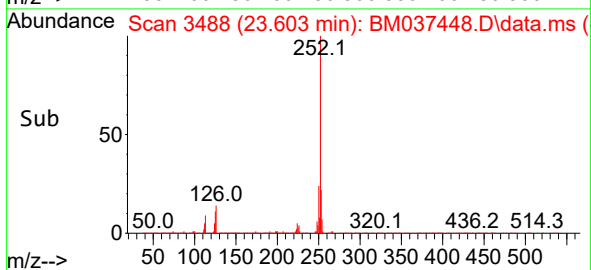
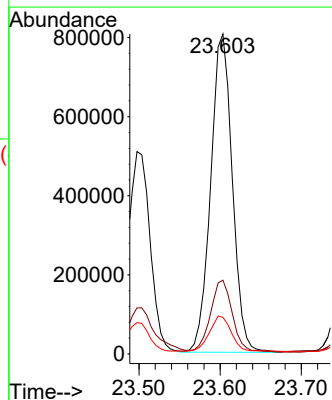
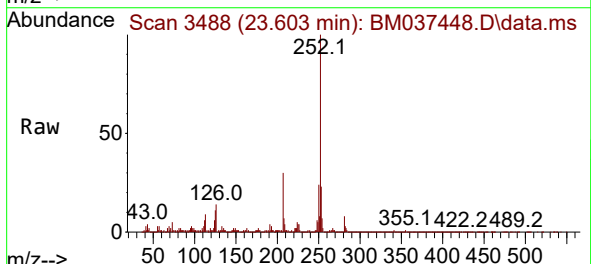
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

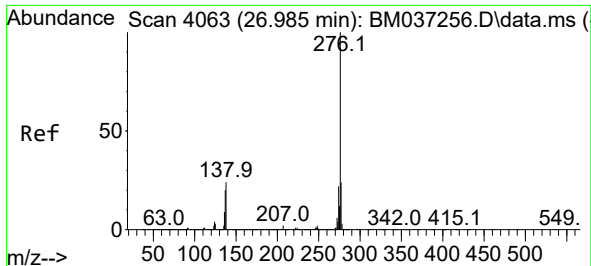
Tgt Ion:252 Resp: 2644219
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 11.2 9.1 13.7



#90
Benzo(a)pyrene
Concen: 17.136 ng
RT: 23.603 min Scan# 3488
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

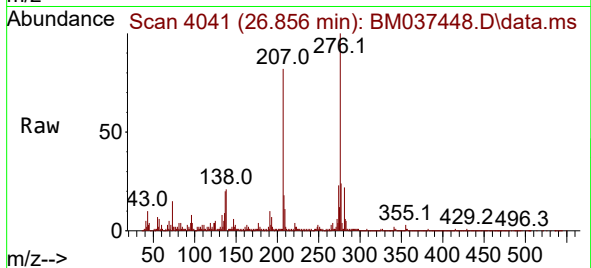
Tgt Ion:252 Resp: 1490976
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 11.4 9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 9.092 ng
RT: 26.856 min Scan# 4063
Delta R.T. -0.023 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL



Tgt Ion:	276	Resp:	925462
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.4	29.2
138	21.3	18.9	28.3

