

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037449.D
 Acq On : 10 Nov 2022 13:43
 Operator : CG/JU
 Sample : N5436-02DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 250FERRYBLVD-TFS-02DL

Quant Time: Nov 10 15:55:54 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)

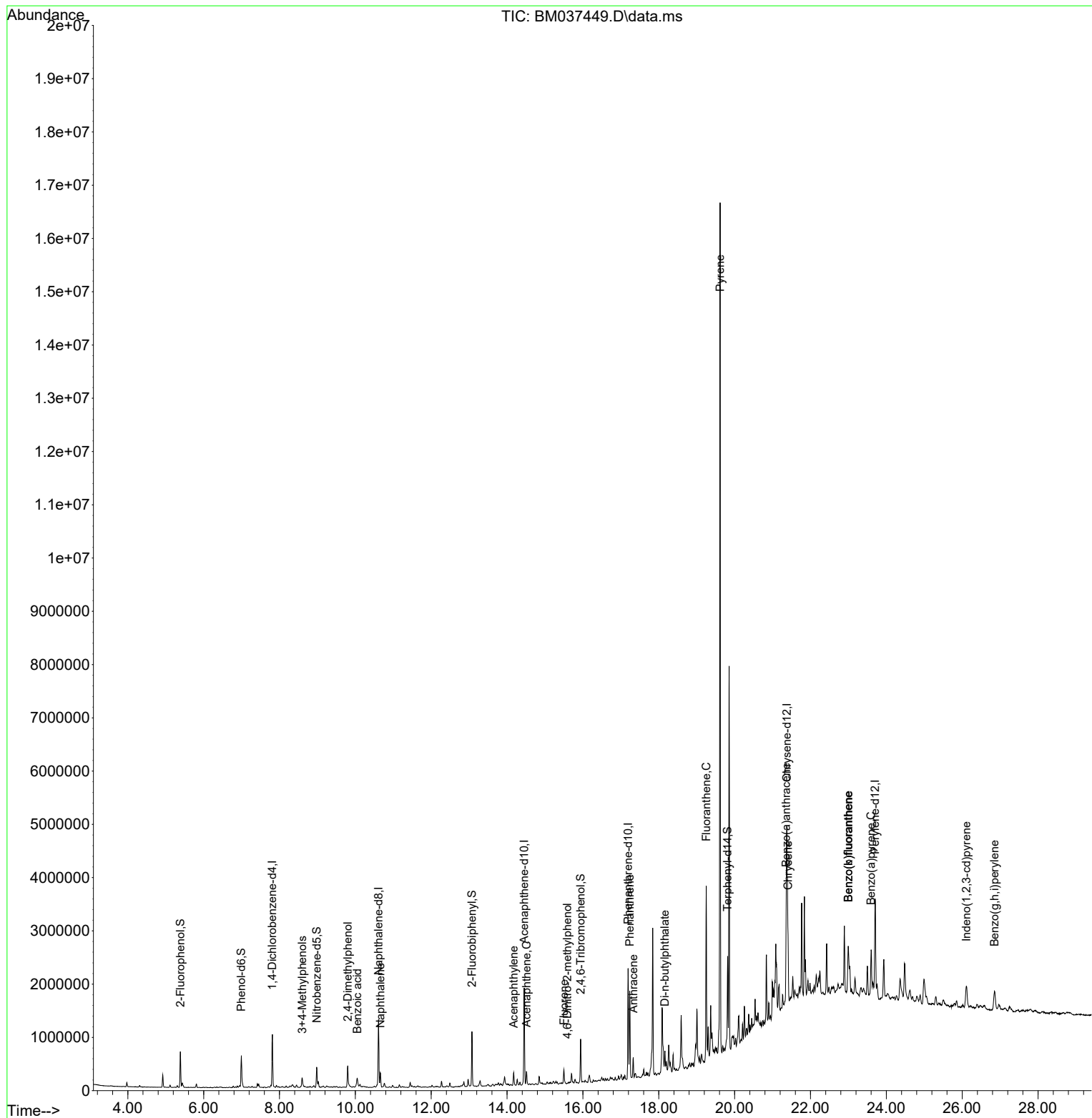
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	264710	20.000	ng	-0.01
21) Naphthalene-d8	10.610	136	1016418	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	580802	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1167907	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1202804	20.000	ng	0.00
86) Perylene-d12	23.703	264	1307844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	290022	18.928	ng	0.00
7) Phenol-d6	6.993	99	351489	16.902	ng	-0.01
23) Nitrobenzene-d5	8.981	82	215750	10.709	ng	-0.02
42) 2,4,6-Tribromophenol	15.939	330	144614	21.128	ng	-0.02
45) 2-Fluorobiphenyl	13.074	172	500780	11.456	ng	-0.02
79) Terphenyl-d14	19.815	244	748515	11.160	ng	-0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.598	107	95148	4.549	ng	95
27) 2,4-Dimethylphenol	9.798	122	138213	10.185	ng	99
31) Naphthalene	10.657	128	213128	3.701	ng	99
32) Benzoic acid	10.051	122	37037	9.540	ng	# 32
49) Acenaphthylene	14.174	152	167216	2.888	ng	99
52) Acenaphthene	14.510	154	82663	2.309	ng	98
58) Fluorene	15.498	166	115471	2.509	ng	99
65) 4,6-Dinitro-2-methylph...	15.586	198	68	5.021	ng	# 1
71) Phenanthrene	17.233	178	940538	12.980	ng	99
72) Anthracene	17.327	178	244864	3.570	ng	100
74) Di-n-butylphthalate	18.162	149	319419	4.597	ng	99
75) Fluoranthene	19.251	202	1614565	21.080	ng	99
78) Pyrene	19.615	202	2028631	21.933	ng	# 95
81) Benzo(a)anthracene	21.356	228	674403	7.876	ng	97
83) Chrysene	21.409	228	803392	9.738	ng	97
87) Indeno(1,2,3-cd)pyrene	26.109	276	421062	3.932	ng	# 94
88) Benzo(b)fluoranthene	22.997	252	811142	8.934	ng	98
89) Benzo(k)fluoranthene	22.997	252	811142	8.758	ng	98
90) Benzo(a)pyrene	23.597	252	617785	8.351	ng	97
92) Benzo(g,h,i)perylene	26.850	276	438950	5.072	ng	98

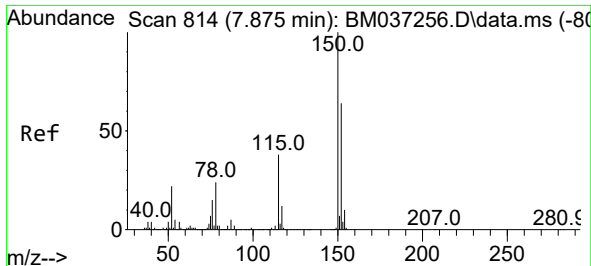
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BM037449.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 09 02:08:14 2022
Response via : Initial Calibration

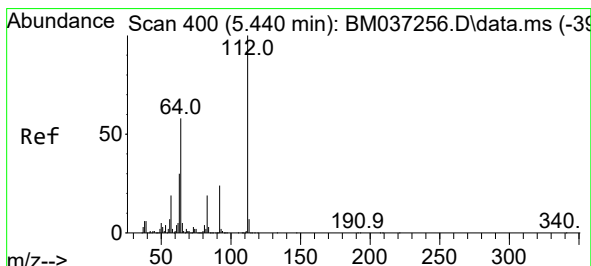
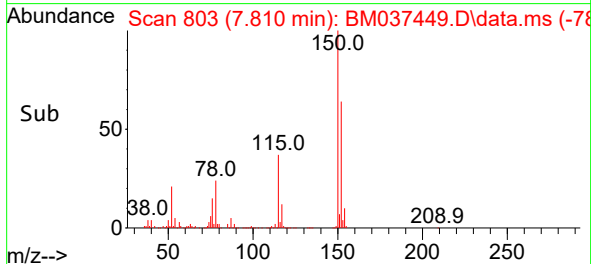
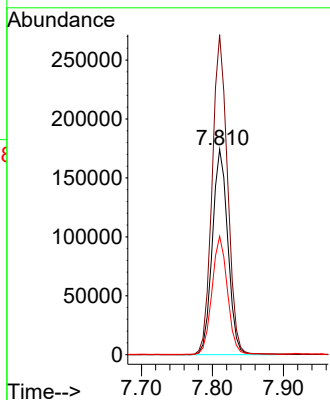
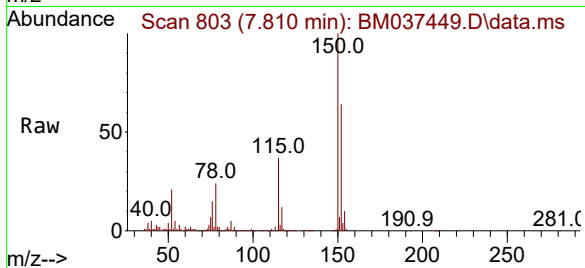




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

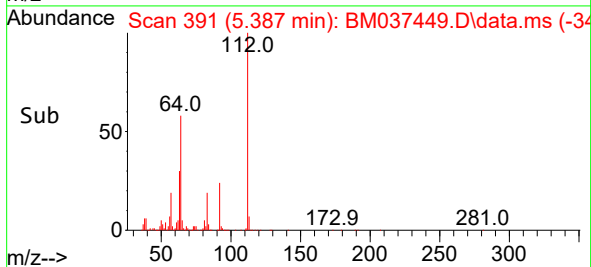
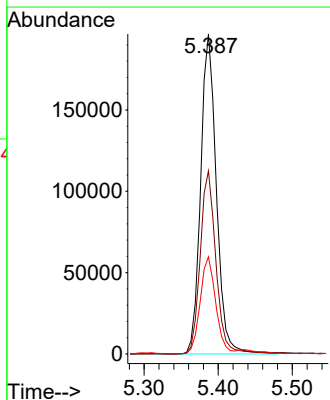
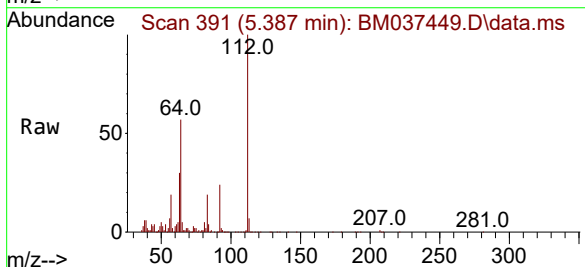
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

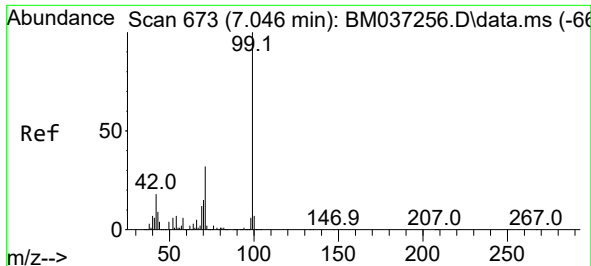
Tgt Ion:152 Resp: 264710
Ion Ratio Lower Upper
152 100
150 155.9 124.8 187.2
115 57.7 47.0 70.4



#5
2-Fluorophenol
Concen: 18.928 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:112 Resp: 290022
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 30.3 24.4 36.6

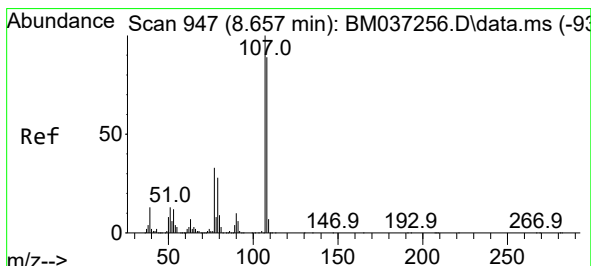
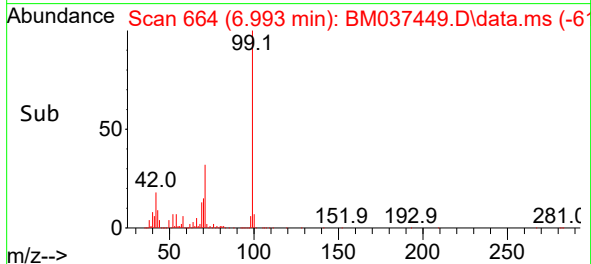
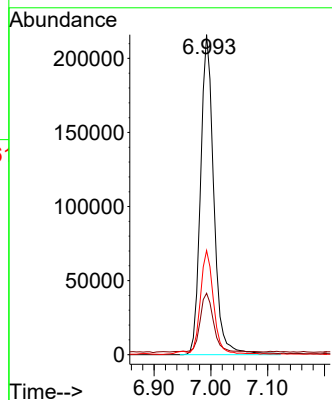
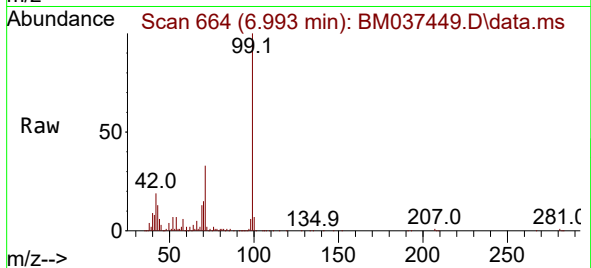




#7
Phenol-d6
Concen: 16.902 ng
RT: 6.993 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

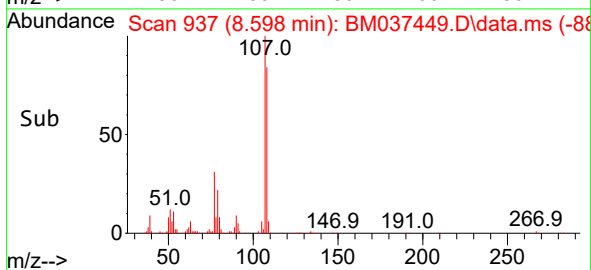
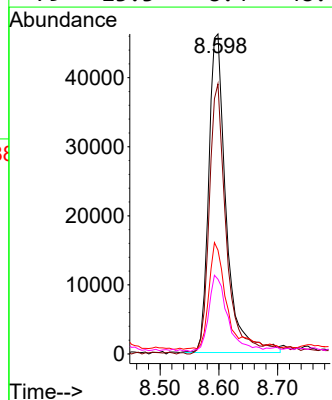
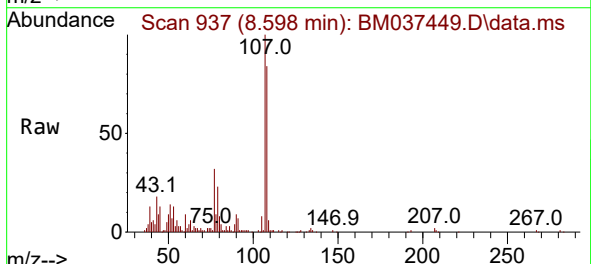
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

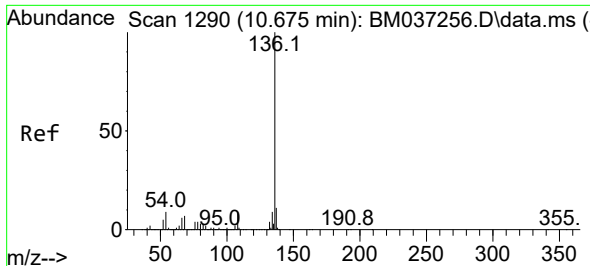
Tgt Ion: 99 Resp: 351489
Ion Ratio Lower Upper
99 100
42 19.2 14.8 22.2
71 32.5 25.6 38.4



#20
3+4-Methylphenols
Concen: 4.549 ng
RT: 8.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:107 Resp: 95148
Ion Ratio Lower Upper
107 100
108 84.4 69.4 109.4
77 32.5 12.8 52.8
79 23.3 8.4 48.4

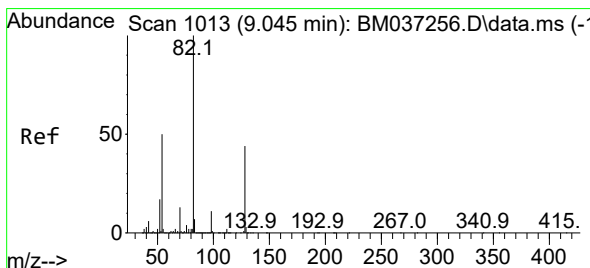
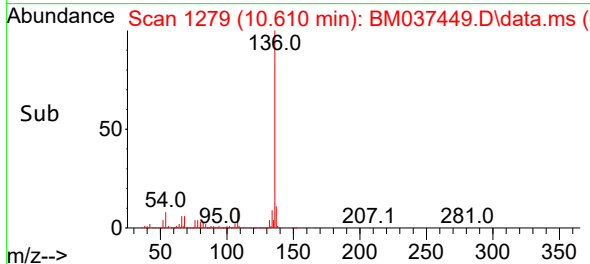
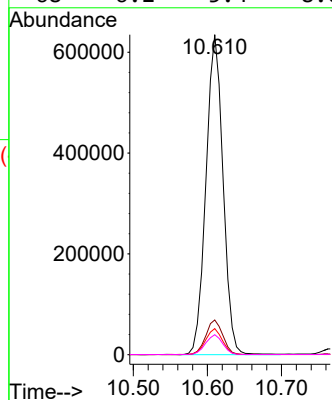
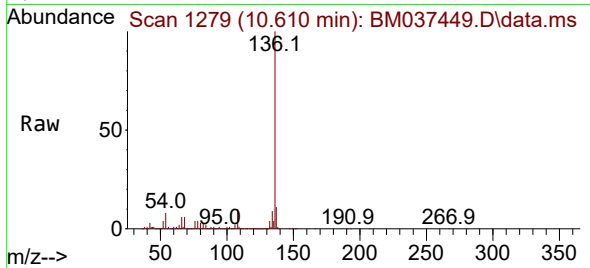




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

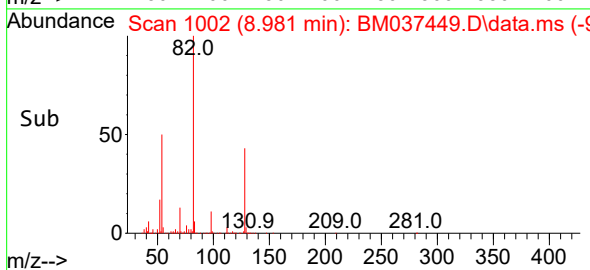
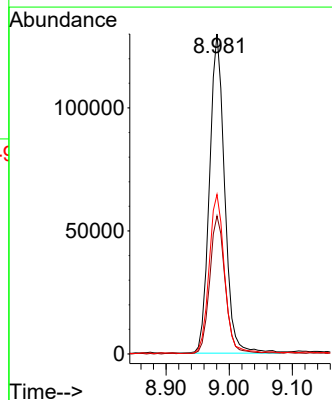
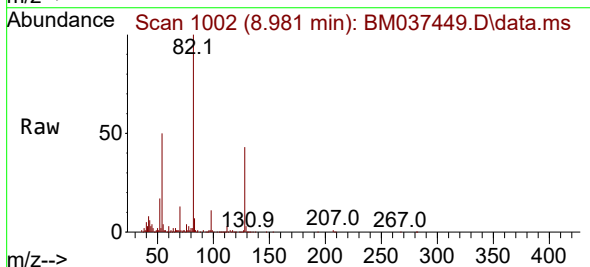
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

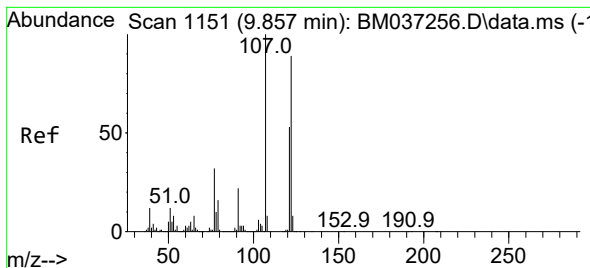
Tgt Ion:136 Resp: 1016418
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.1 7.0 10.4
68 6.2 5.4 8.0



#23
Nitrobenzene-d5
Concen: 10.709 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion: 82 Resp: 215750
Ion Ratio Lower Upper
82 100
128 43.2 35.2 52.8
54 49.8 40.4 60.6

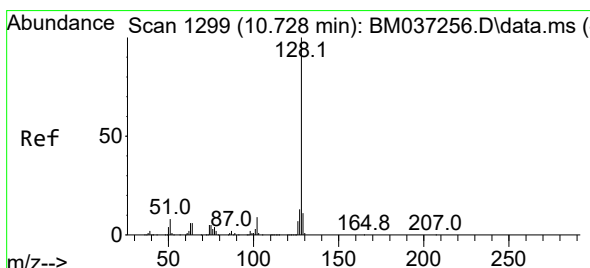
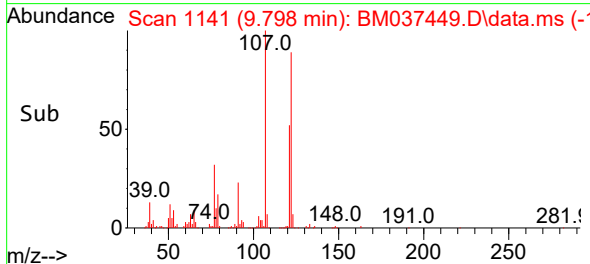
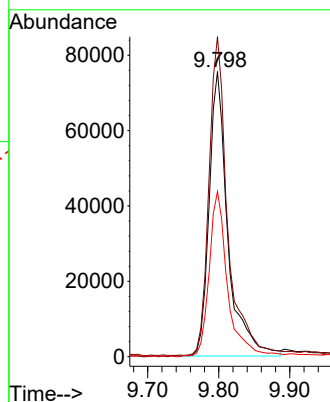
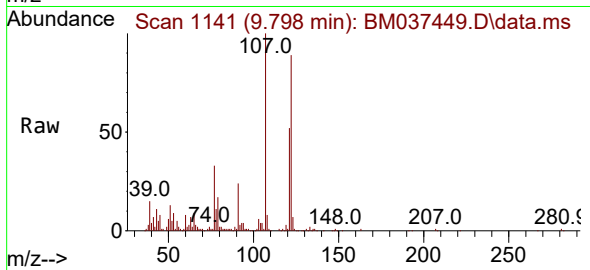




#27
2,4-Dimethylphenol
Concen: 10.185 ng
RT: 9.798 min Scan# 1141
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

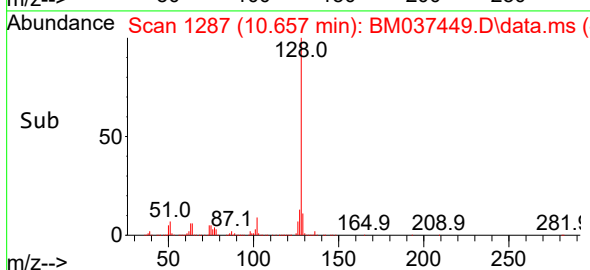
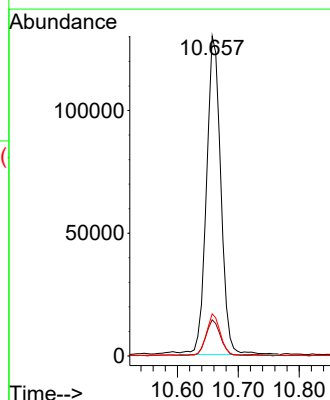
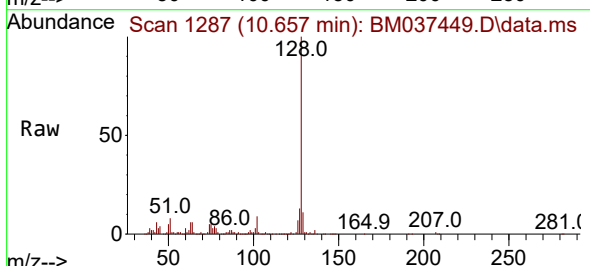
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

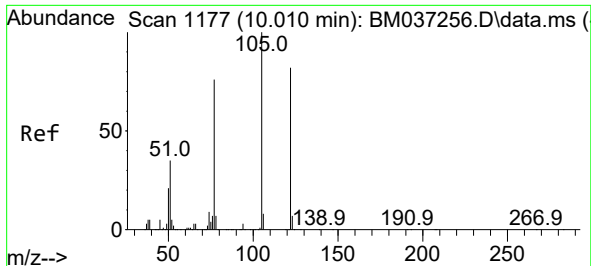
Tgt Ion:122 Resp: 138213
Ion Ratio Lower Upper
122 100
107 112.3 89.7 134.5
121 57.9 47.1 70.7



#31
Naphthalene
Concen: 3.701 ng
RT: 10.657 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:128 Resp: 213128
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.2 10.2 15.2

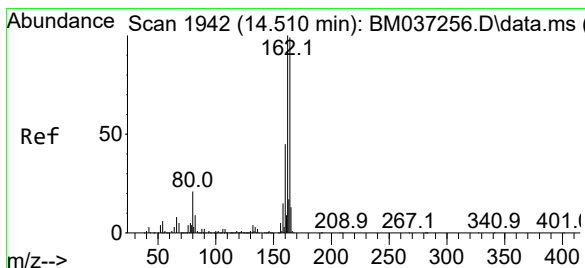
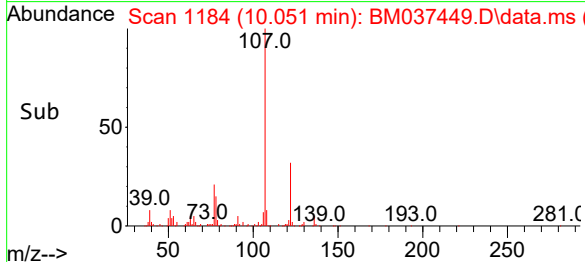
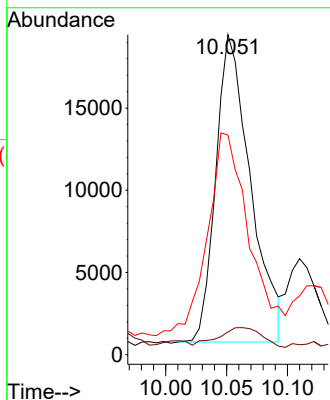
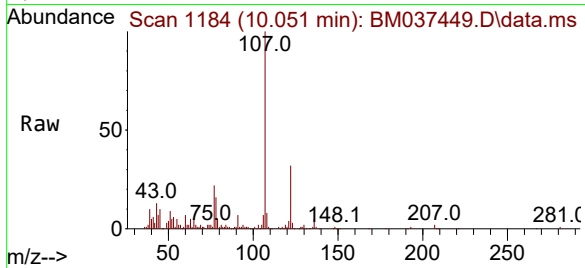




#32
Benzoic acid
Concen: 9.540 ng
RT: 10.051 min Scan# 1177
Delta R.T. 0.076 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

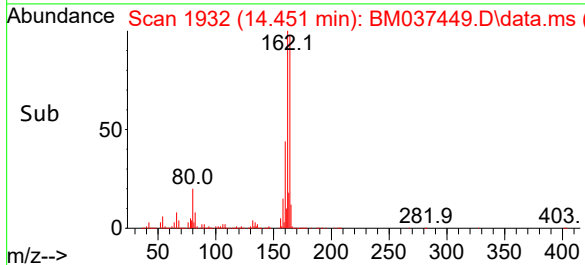
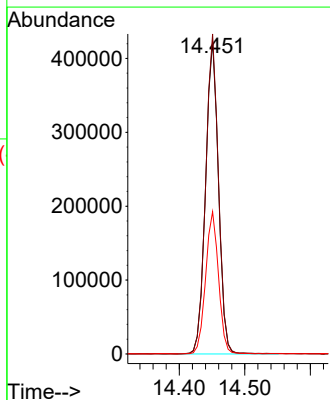
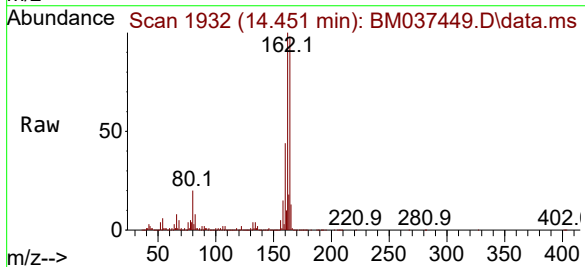
Instrument :
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ClientSampleId :
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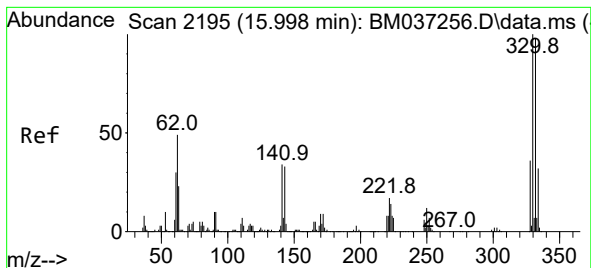
Tgt Ion:122 Resp: 37037
Ion Ratio Lower Upper
122 100
105 7.1 100.1 140.1#
77 68.7 71.7 111.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:164 Resp: 580802
Ion Ratio Lower Upper
164 100
162 102.4 80.6 120.8
160 45.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 21.128 ng

RT: 15.939 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-02DL

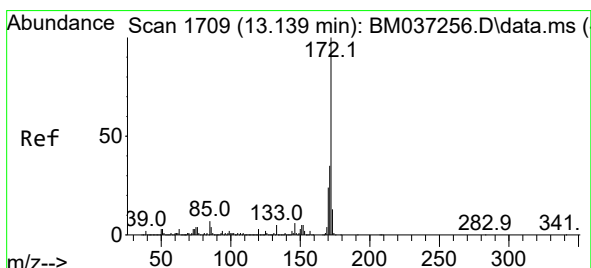
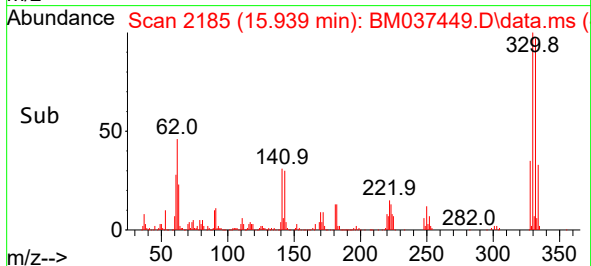
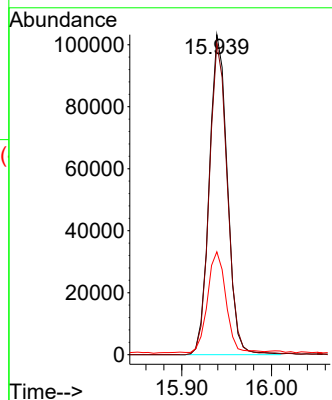
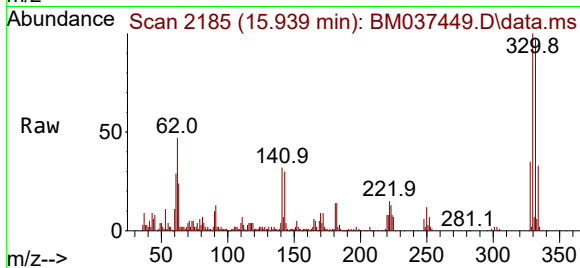
Tgt Ion:330 Resp: 144614

Ion Ratio Lower Upper

330 100

332 97.9 78.0 117.0

141 32.9 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 11.456 ng

RT: 13.074 min Scan# 1698

Delta R.T. -0.018 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

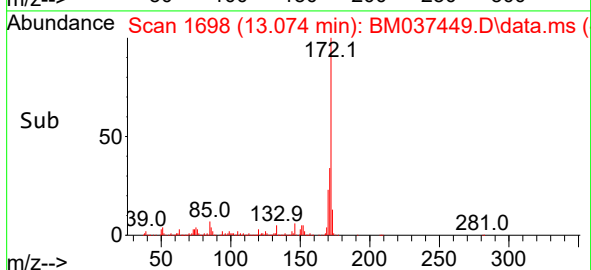
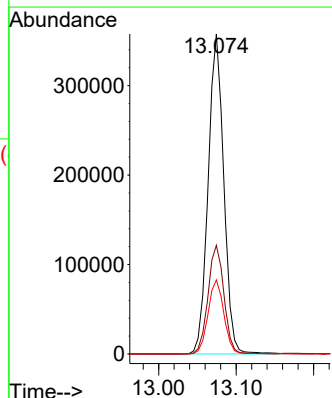
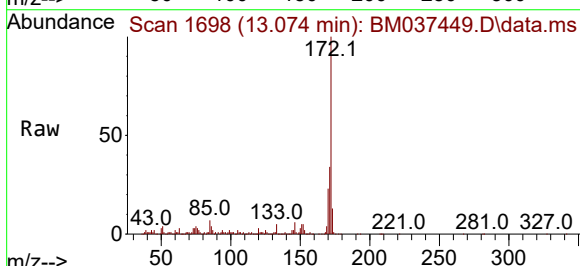
Tgt Ion:172 Resp: 500780

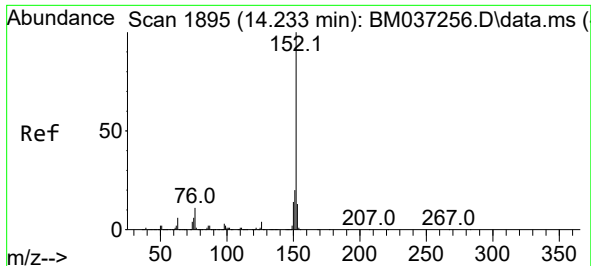
Ion Ratio Lower Upper

172 100

171 33.9 28.1 42.1

170 23.2 19.0 28.4

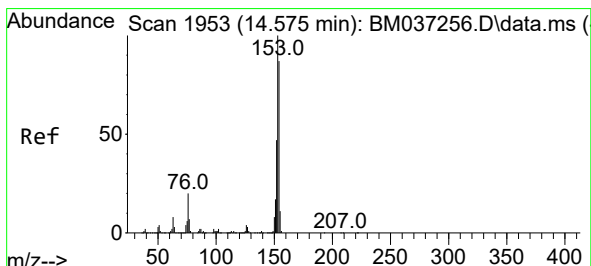
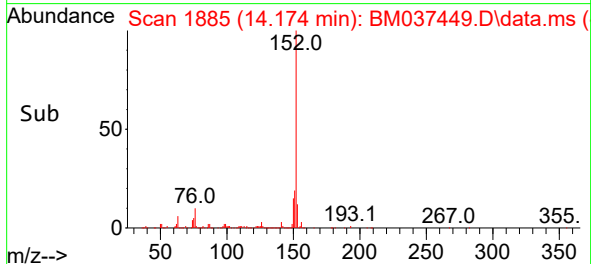
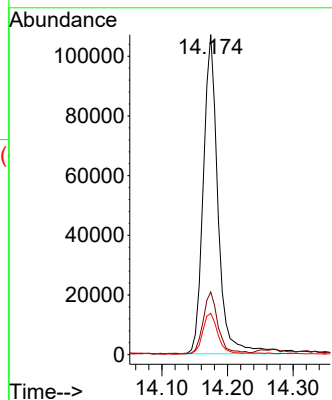
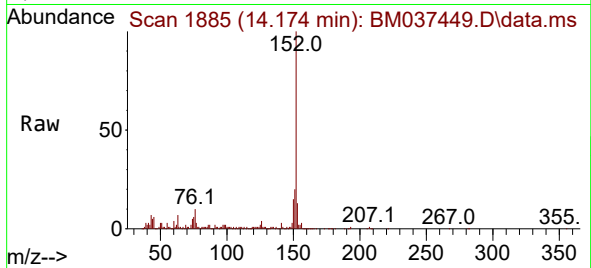




#49
Acenaphthylene
Concen: 2.888 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

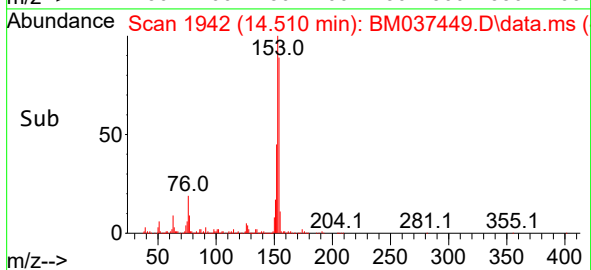
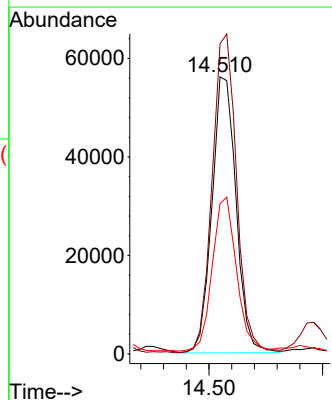
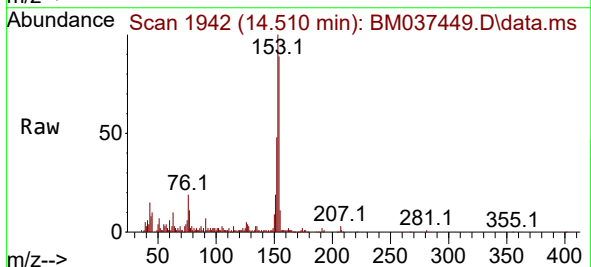
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

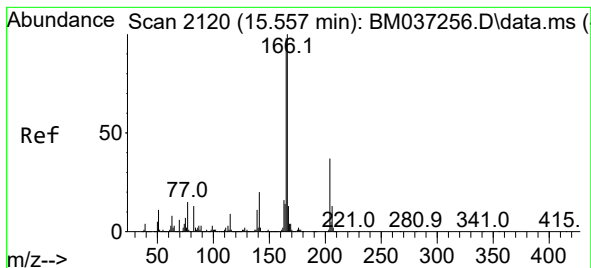
Tgt Ion:152 Resp: 167216
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 12.9 10.6 15.8



#52
Acenaphthene
Concen: 2.309 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:154 Resp: 82663
Ion Ratio Lower Upper
154 100
153 112.0 91.5 137.3
152 54.3 43.0 64.6





#58

Fluorene

Concen: 2.509 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-02DL

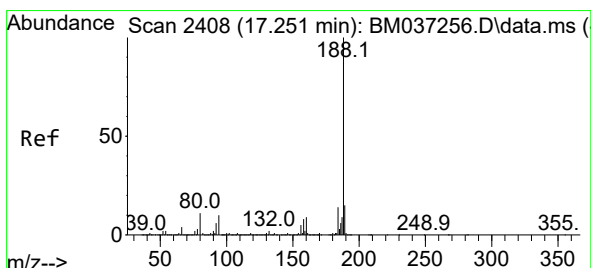
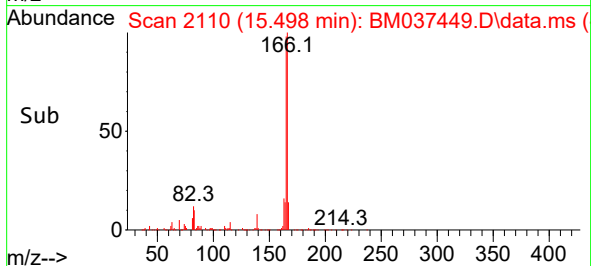
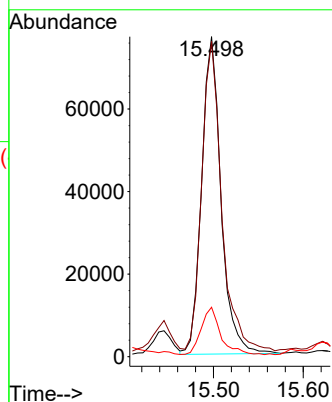
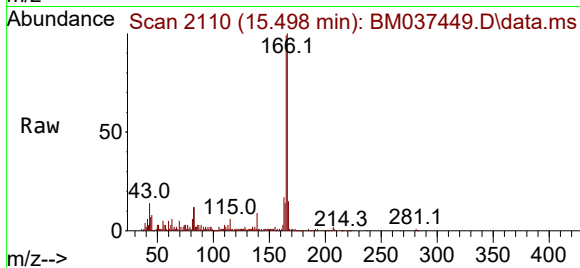
Tgt Ion:166 Resp: 115471

Ion Ratio Lower Upper

166 100

165 98.6 78.2 117.4

167 15.4 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2398

Delta R.T. -0.012 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

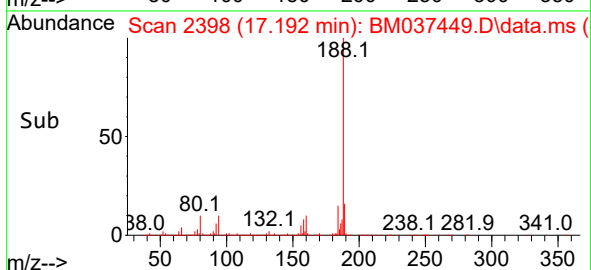
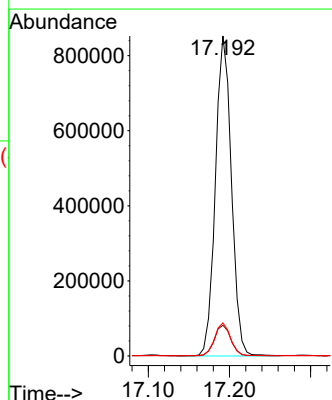
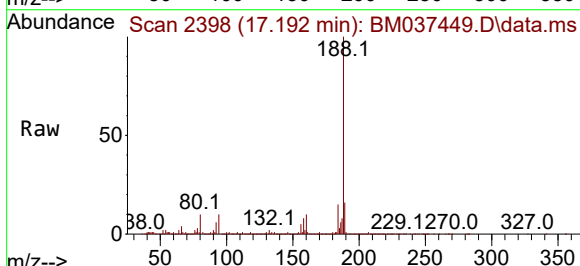
Tgt Ion:188 Resp: 1167907

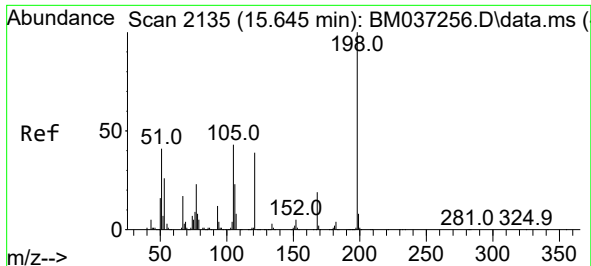
Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 10.4 8.5 12.7

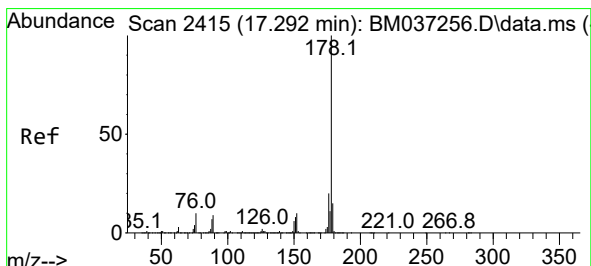
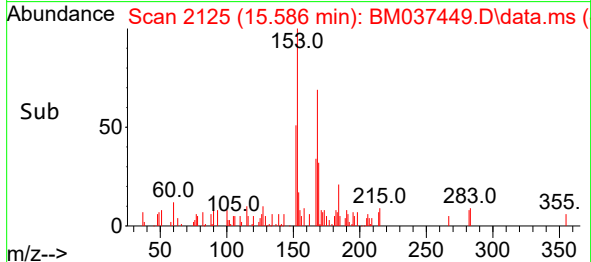
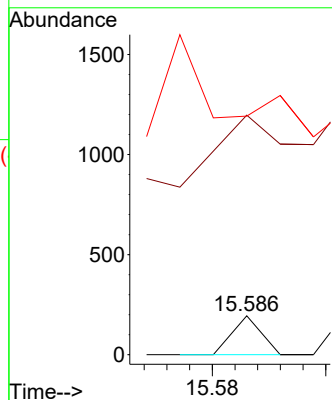
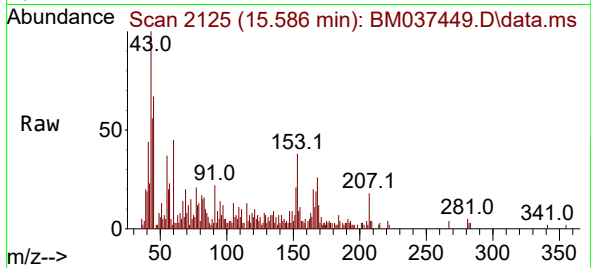




#65
4,6-Dinitro-2-methylphenol
Concen: 5.021 ng
RT: 15.586 min Scan# 2135
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

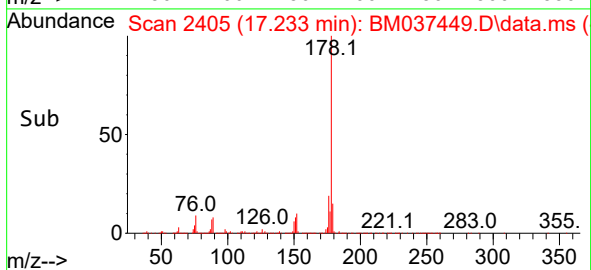
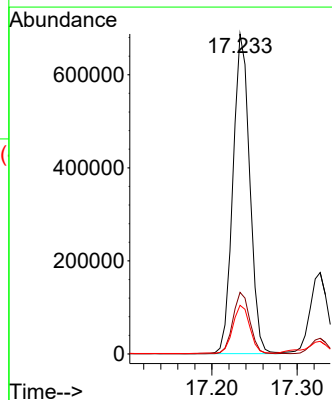
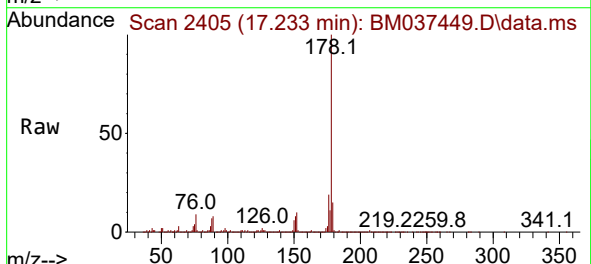
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

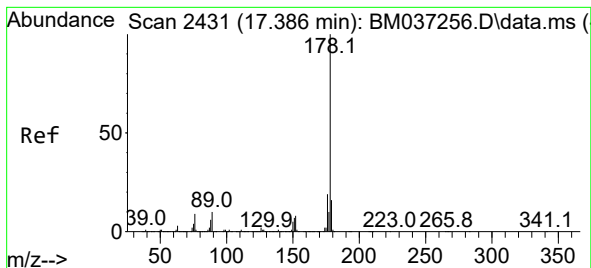
Tgt Ion:198 Resp: 68
Ion Ratio Lower Upper
198 100
51 617.0 26.8 66.8#
105 614.4 24.1 64.1#



#71
Phenanthrene
Concen: 12.980 ng
RT: 17.233 min Scan# 2405
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:178 Resp: 940538
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.2 12.4 18.6





#72

Anthracene

Concen: 3.570 ng

RT: 17.327 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-02DL

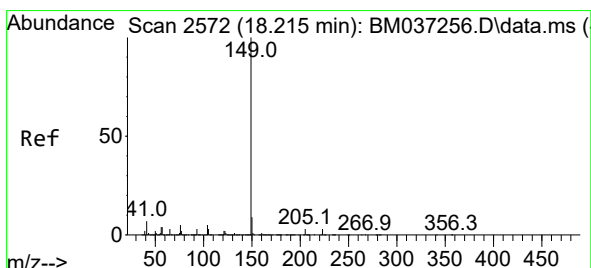
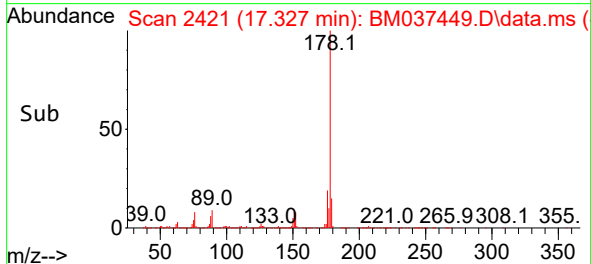
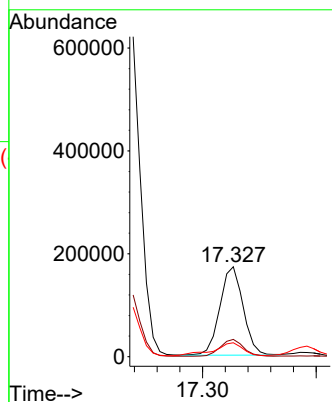
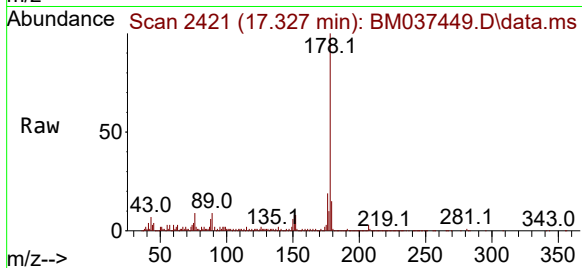
Tgt Ion:178 Resp: 244864

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.5 12.6 19.0



#74

Di-n-butylphthalate

Concen: 4.597 ng

RT: 18.162 min Scan# 2563

Delta R.T. -0.012 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

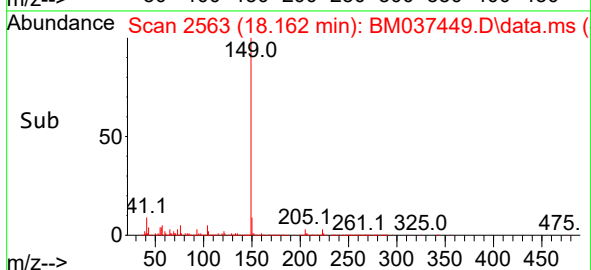
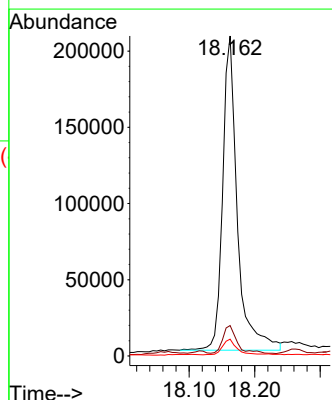
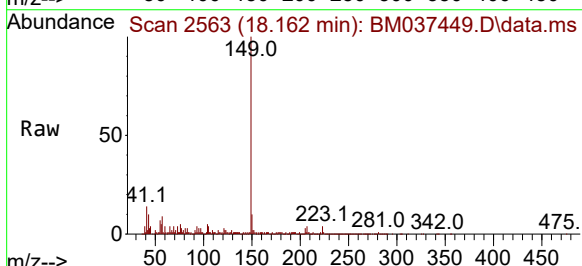
Tgt Ion:149 Resp: 319419

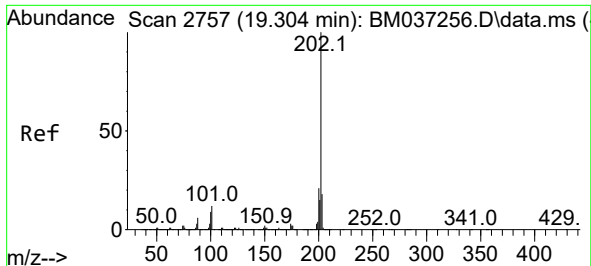
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 5.2 4.0 6.0

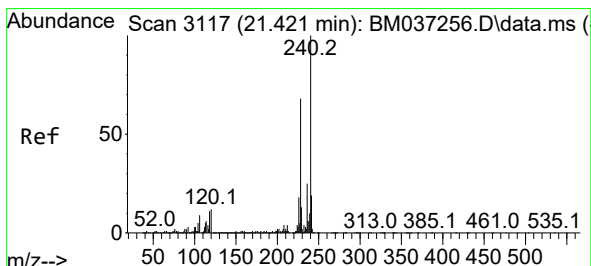
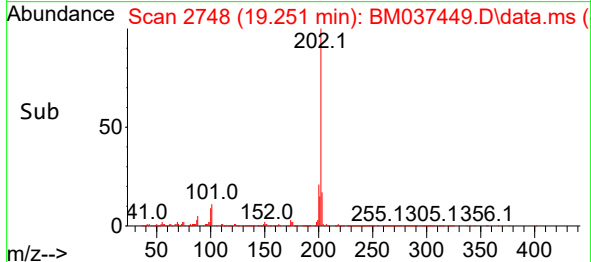
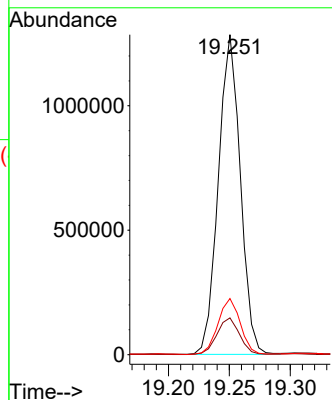
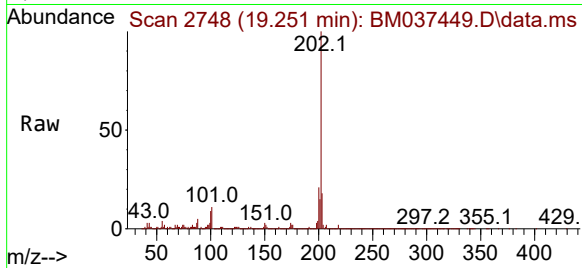




#75
Fluoranthene
Concen: 21.080 ng
RT: 19.251 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

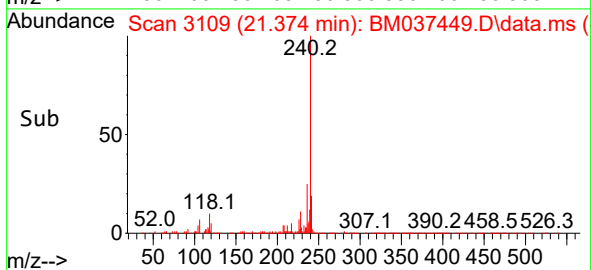
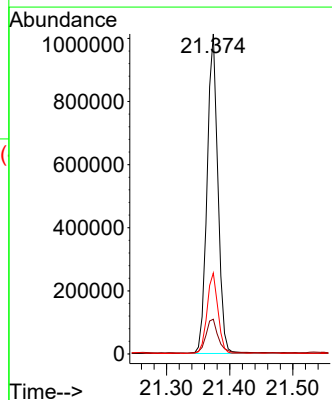
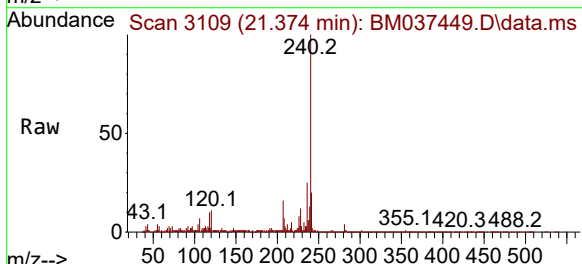
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

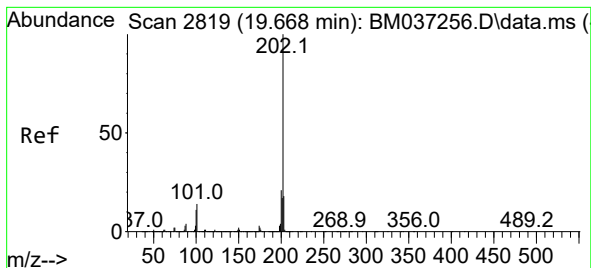
Tgt Ion:202 Resp: 1614565
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.4
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:240 Resp: 1202804
Ion Ratio Lower Upper
240 100
120 10.8 9.9 14.9
236 25.3 20.3 30.5





#78

Pyrene

Concen: 21.933 ng

RT: 19.615 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-02DL

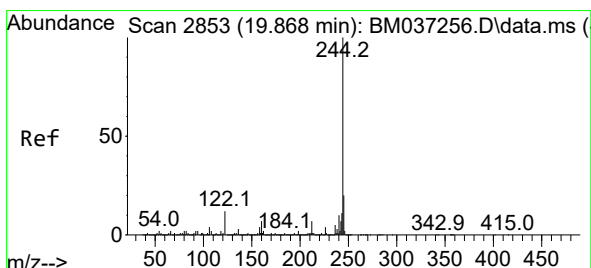
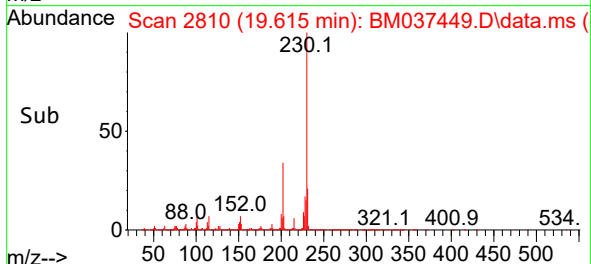
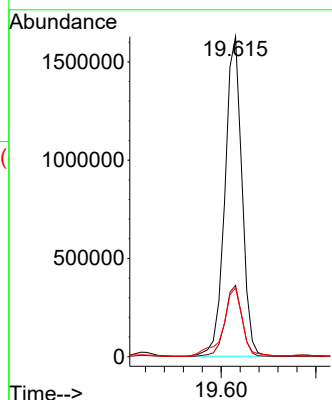
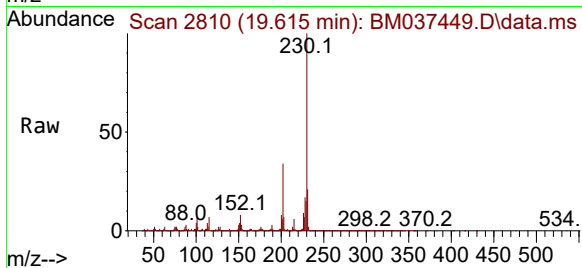
Tgt Ion:202 Resp: 2028631

Ion Ratio Lower Upper

202 100

200 22.3 17.0 25.6

203 21.5 14.1 21.1#



#79

Terphenyl-d14

Concen: 11.160 ng

RT: 19.815 min Scan# 2844

Delta R.T. -0.012 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

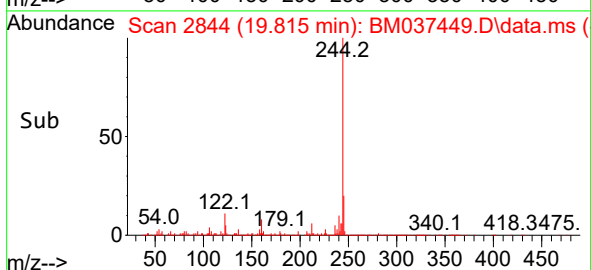
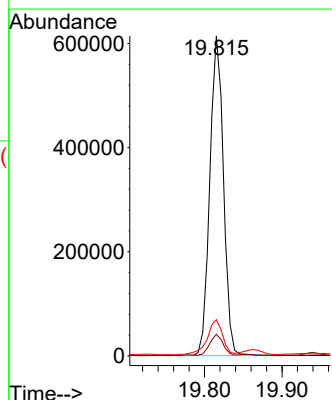
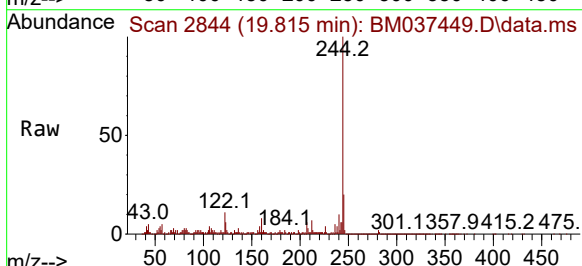
Tgt Ion:244 Resp: 748515

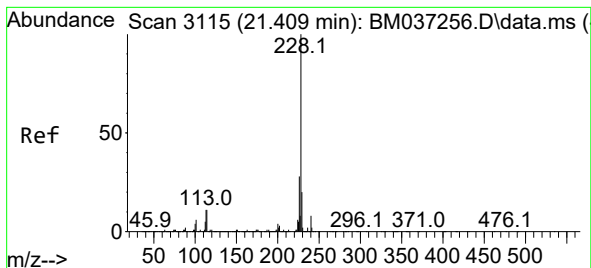
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 11.3 9.4 14.2





#81

Benzo(a)anthracene

Concen: 7.876 ng

RT: 21.356 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-02DL

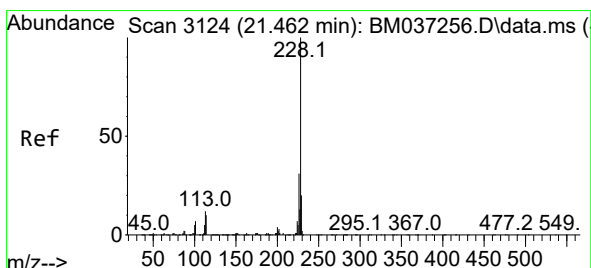
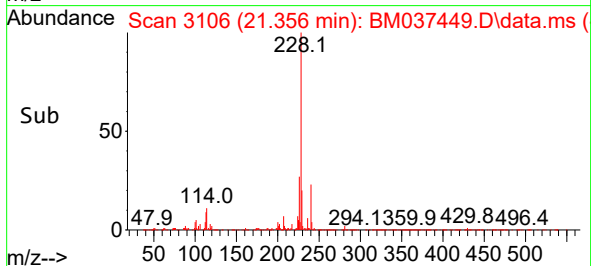
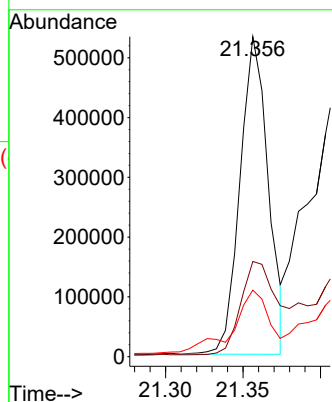
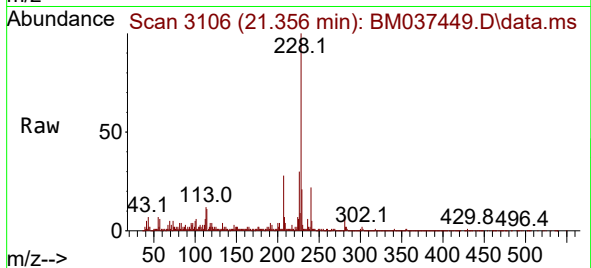
Tgt Ion:228 Resp: 674403

Ion Ratio Lower Upper

228 100

226 29.7 22.3 33.5

229 20.8 16.2 24.2



#83

Chrysene

Concen: 9.738 ng

RT: 21.409 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

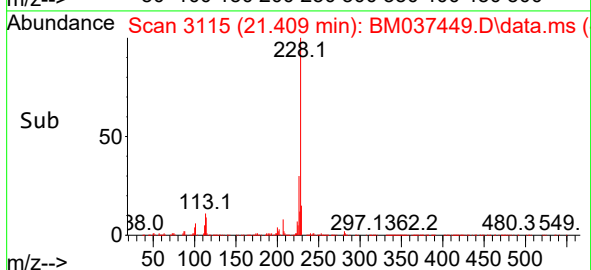
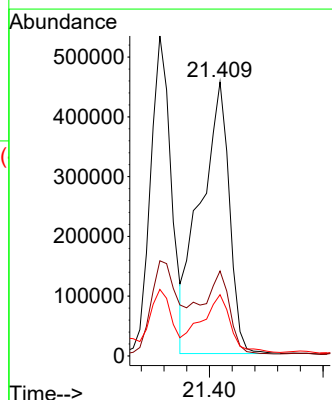
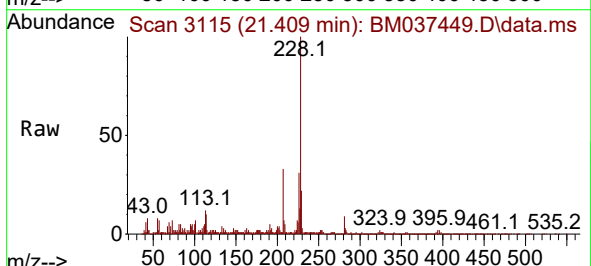
Tgt Ion:228 Resp: 803392

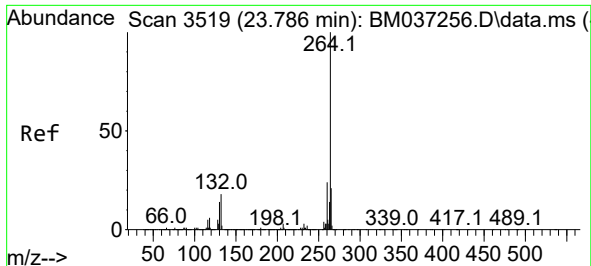
Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

229 22.4 16.0 24.0

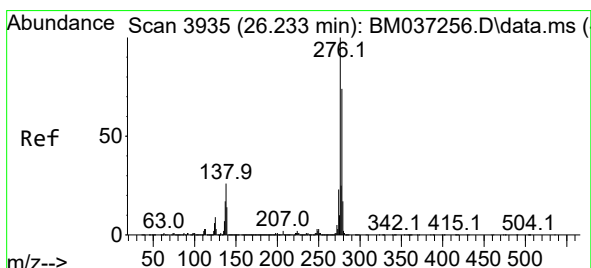
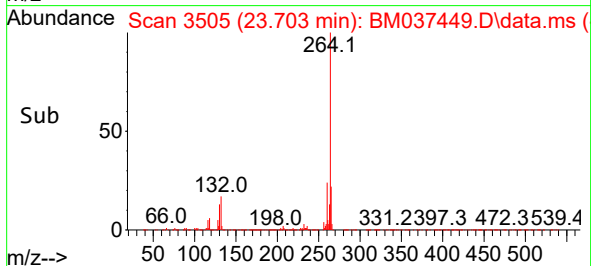
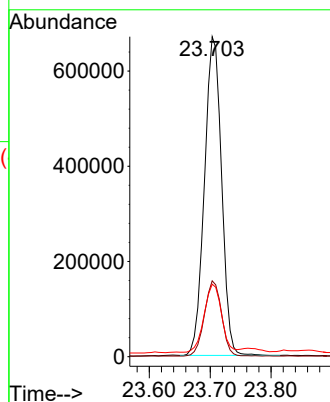
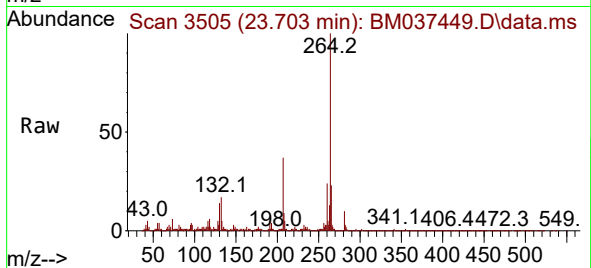




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.703 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BM037449.D
 Acq: 10 Nov 2022 13:43

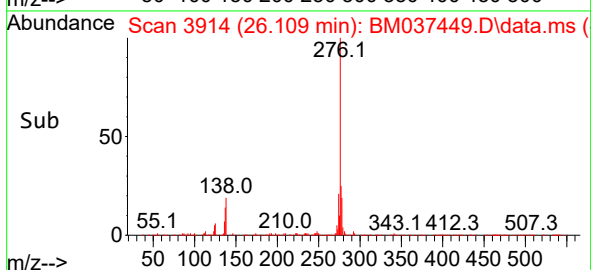
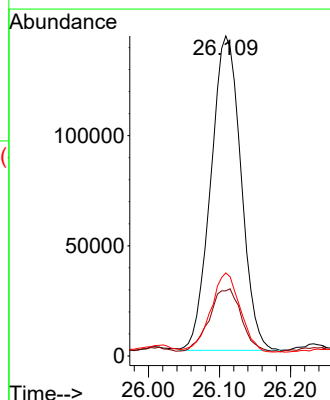
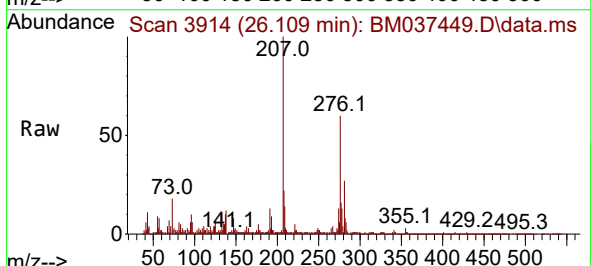
Instrument :
 BNA_M
 ClientSampleId :
 250FERRYBLVD-TFS-02DL

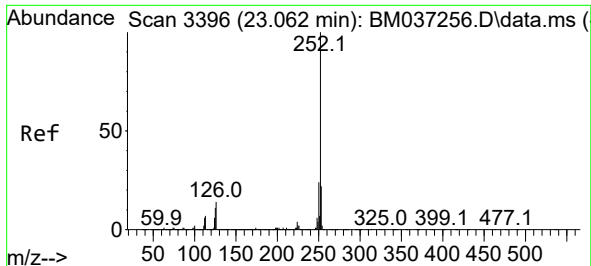
Tgt Ion:264 Resp: 1307844
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 22.6 17.7 26.5



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.932 ng
 RT: 26.109 min Scan# 3914
 Delta R.T. -0.024 min
 Lab File: BM037449.D
 Acq: 10 Nov 2022 13:43

Tgt Ion:276 Resp: 421062
 Ion Ratio Lower Upper
 276 100
 138 21.5 21.5 32.3#
 277 24.7 20.1 30.1

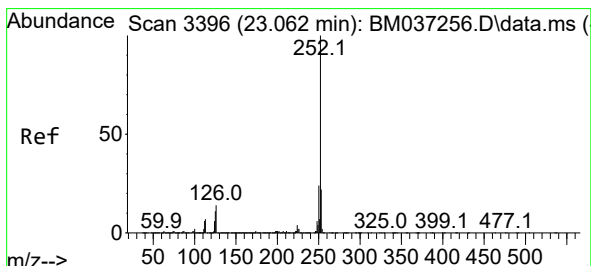
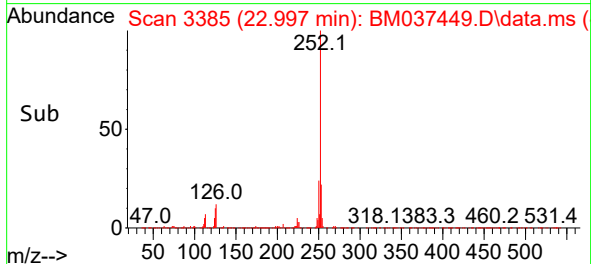
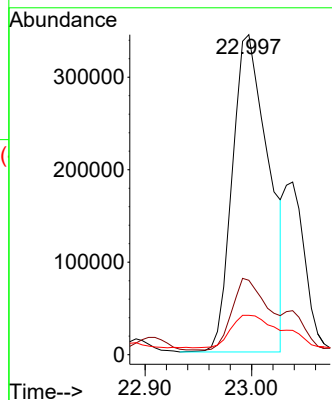
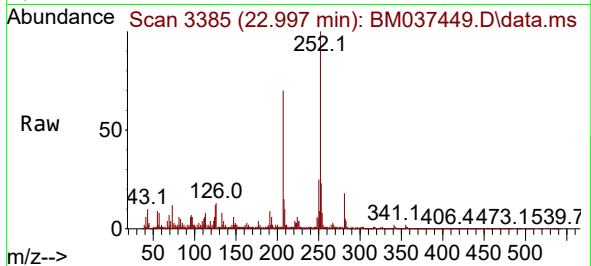




#88
Benzo(b)fluoranthene
Concen: 8.934 ng
RT: 22.997 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

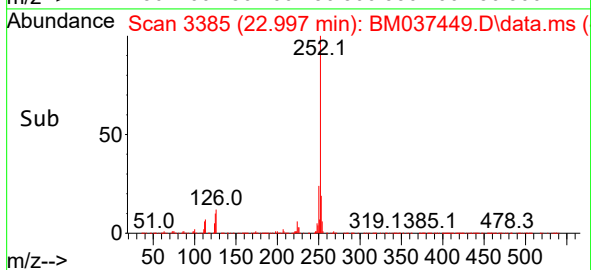
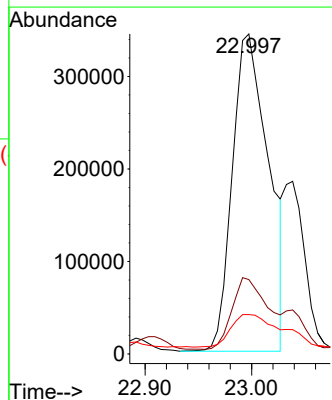
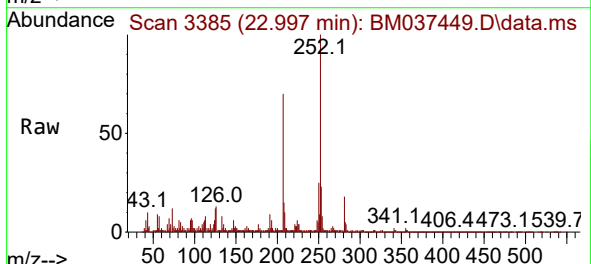
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

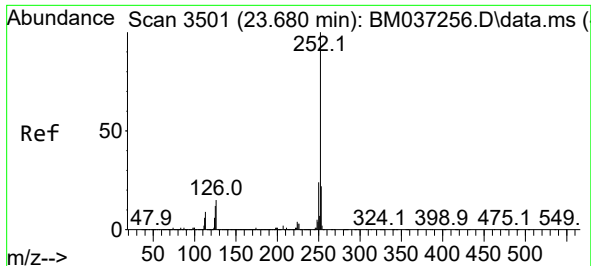
Tgt Ion:252 Resp: 811142
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.3 9.1 13.7



#89
Benzo(k)fluoranthene
Concen: 8.758 ng
RT: 22.997 min Scan# 3385
Delta R.T. -0.053 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:252 Resp: 811142
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.3 9.1 13.7

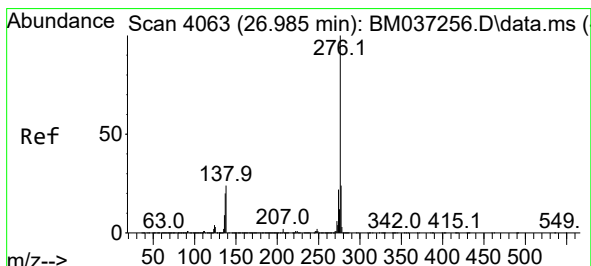
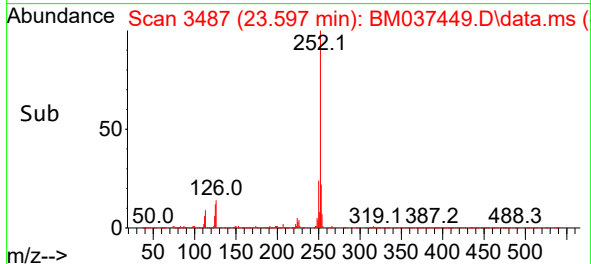
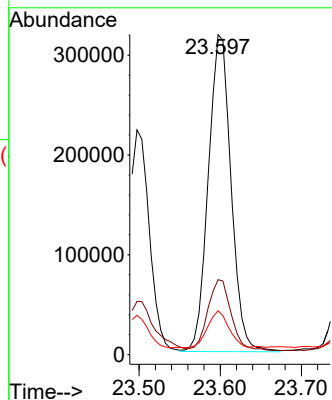
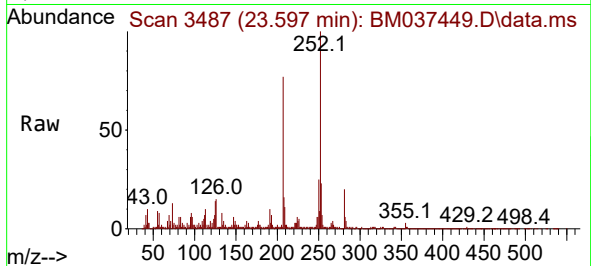




#90
Benzo(a)pyrene
Concen: 8.351 ng
RT: 23.597 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

Tgt Ion:252 Resp: 617785
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 13.7 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 5.072 ng
RT: 26.850 min Scan# 4040
Delta R.T. -0.029 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:276 Resp: 438950
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.2
138 21.7 18.9 28.3

