

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133817.D
 Acq On : 16 Jun 2023 20:49
 Operator : CG\JU
 Sample : 03214-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HYATT-PIPE-TP

Quant Time: Jun 17 00:12:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

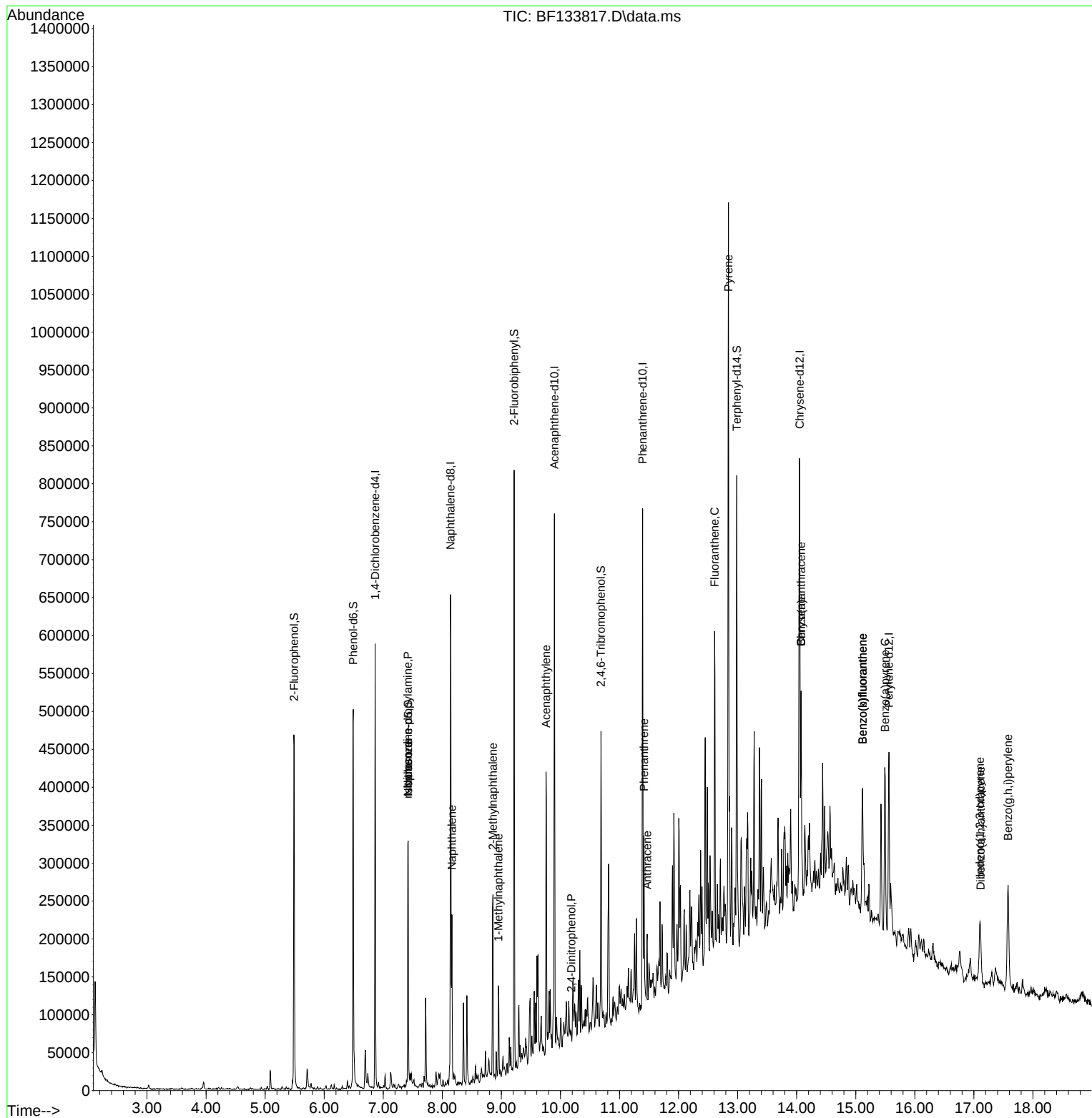
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	74080	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	279196	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	122658	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	220808	20.000	ng	0.00
76) Chrysene-d12	14.051	240	145628	20.000	ng	0.00
86) Perylene-d12	15.562	264	114524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	127802	30.034	ng	0.00
7) Phenol-d6	6.492	99	154667	27.924	ng	0.00
23) Nitrobenzene-d5	7.422	82	98309	19.179	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	36902	23.767	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	199961	23.174	ng	0.00
79) Terphenyl-d14	12.986	244	184609	19.615	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	14356	4.074	ng	# 76
25) Isophorone	7.422	82	98309	10.446	ng	# 65
31) Naphthalene	8.163	128	77241	5.678	ng	99
37) 2-Methylnaphthalene	8.857	142	55954	5.920	ng	99
38) 1-Methylnaphthalene	8.951	142	25529	2.935	ng	98
49) Acenaphthylene	9.757	152	140090	11.343	ng	99
54) 2,4-Dinitrophenol	10.186	184	70	5.787	ng	# 56
71) Phenanthrene	11.416	178	75170	6.710	ng	99
72) Anthracene	11.468	178	38512	3.297	ng	97
75) Fluoranthene	12.610	202	161272	13.556	ng	98
78) Pyrene	12.845	202	385705	28.432	ng	100
81) Benzo(a)anthracene	14.074	228	106075	10.530	ng	92
83) Chrysene	14.074	228	106075	11.134	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	66116	8.391	ng	95
88) Benzo(b)fluoranthene	15.115	252	117922	16.950	ng	# 96
89) Benzo(k)fluoranthene	15.115	252	117922	17.401	ng	# 96
90) Benzo(a)pyrene	15.498	252	90047	13.947	ng	97
91) Dibenzo(a,h)anthracene	17.115	278	14505	2.224	ng	# 79
92) Benzo(g,h,i)perylene	17.580	276	122797	18.987	ng	97

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

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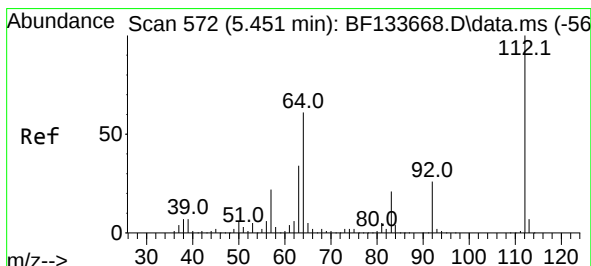
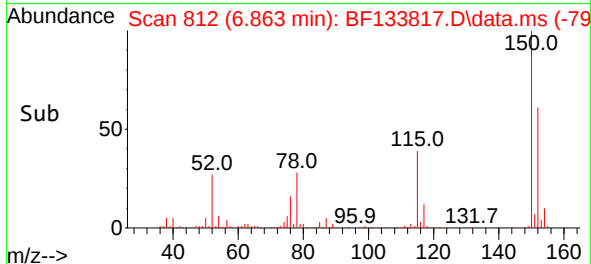
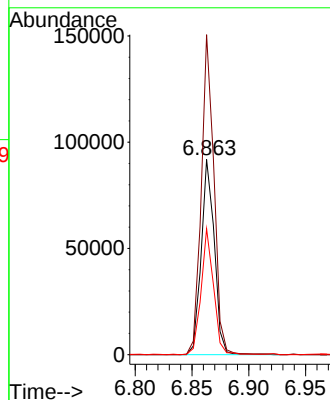
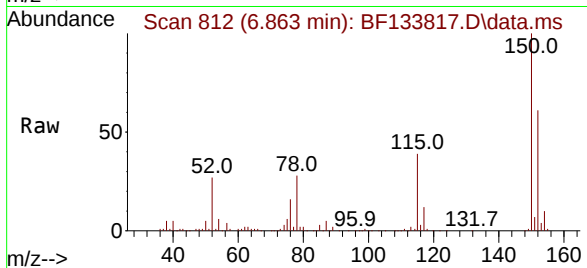




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

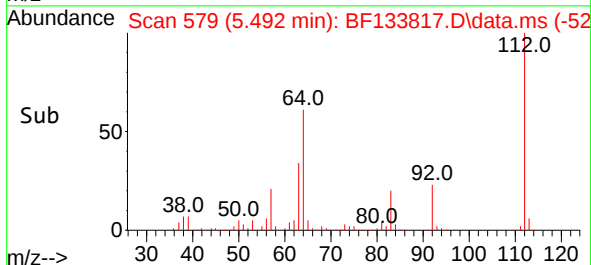
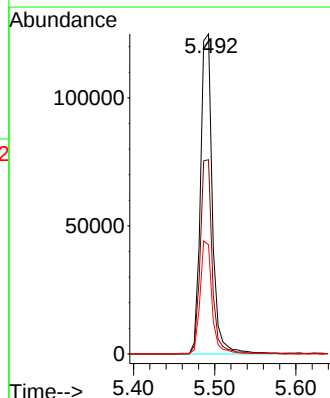
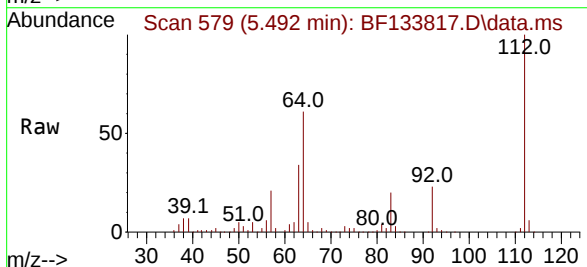
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

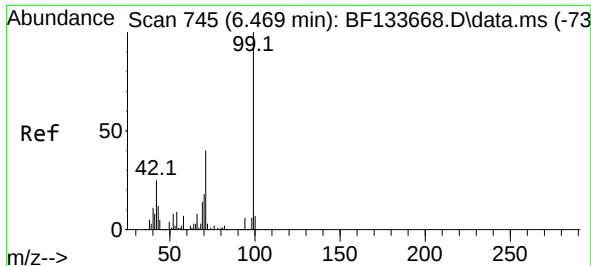
Tgt Ion:152 Resp: 74080
Ion Ratio Lower Upper
152 100
150 164.0 124.3 186.5
115 64.5 48.5 72.7



#5
2-Fluorophenol
Concen: 30.034 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:112 Resp: 127802
Ion Ratio Lower Upper
112 100
64 60.7 49.0 73.4
63 34.1 26.8 40.2

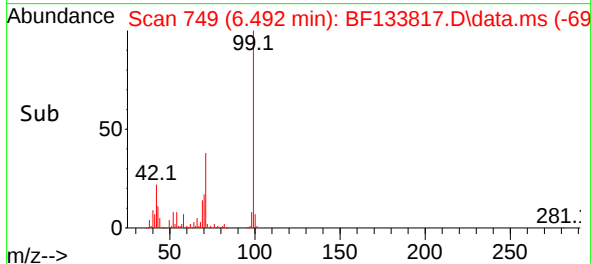
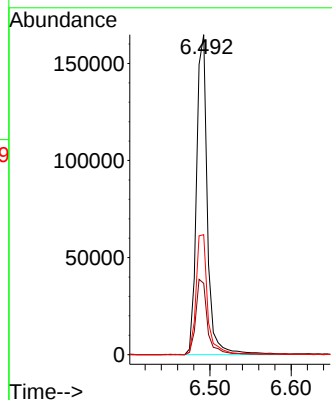
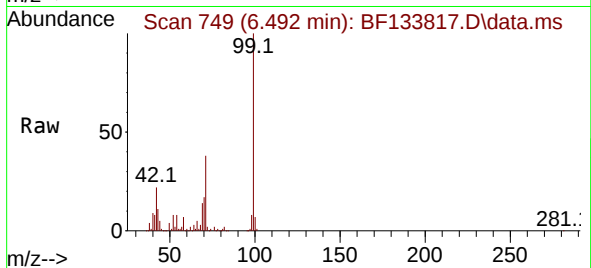




#7
Phenol-d6
Concen: 27.924 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

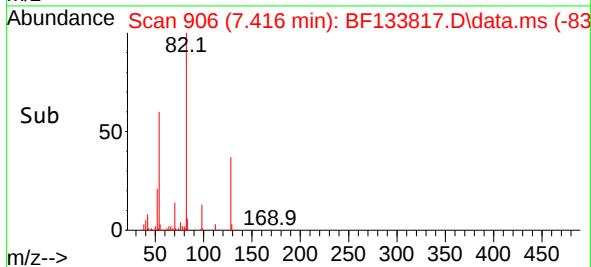
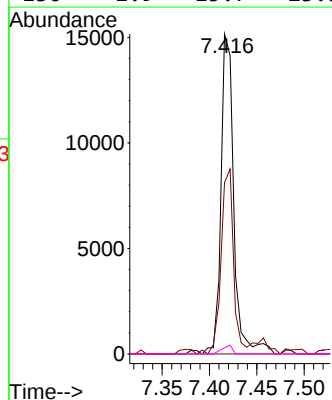
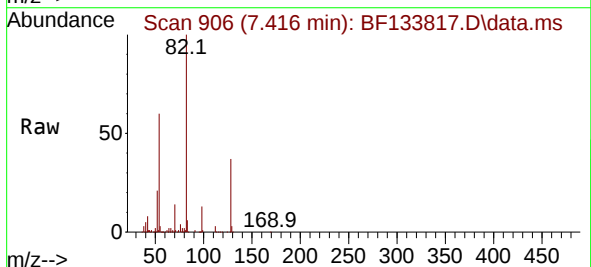
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

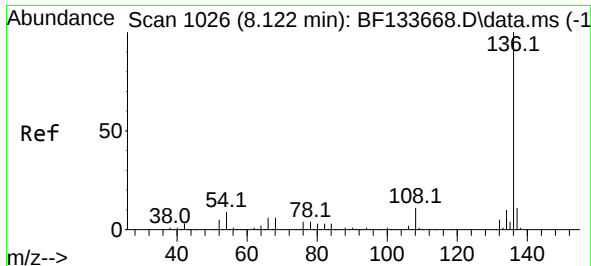
Tgt Ion: 99 Resp: 154667
Ion Ratio Lower Upper
99 100
42 22.3 19.9 29.9
71 37.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.074 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion: 70 Resp: 14356
Ion Ratio Lower Upper
70 100
42 53.6 55.8 83.8#
101 0.0 8.1 12.1#
130 1.9 15.7 23.5#

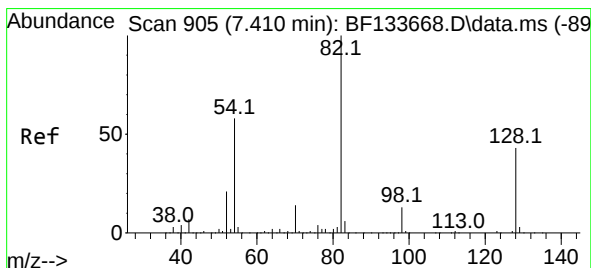
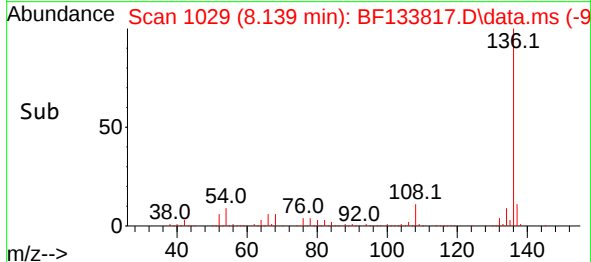
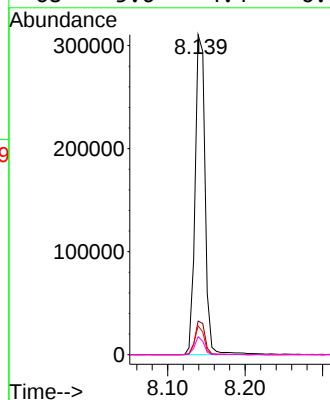
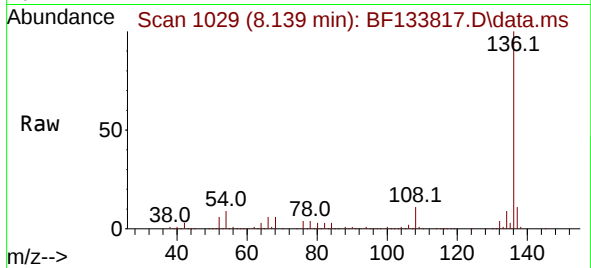




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

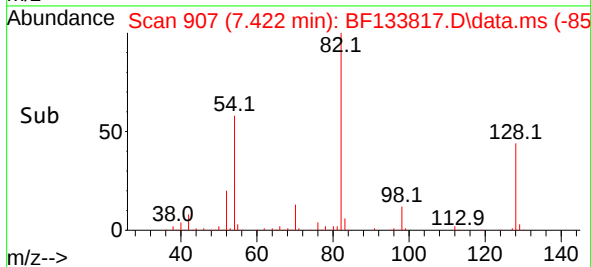
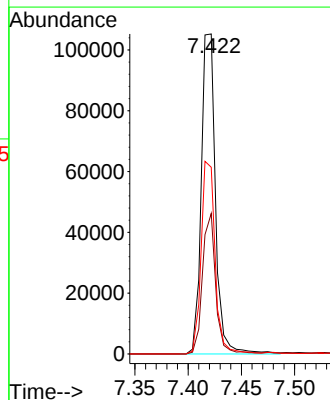
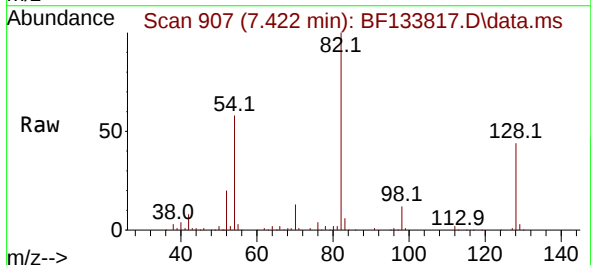
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

Tgt Ion:136 Resp: 279196
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 9.0 7.4 11.0
68 5.6 4.4 6.6



#23
Nitrobenzene-d5
Concen: 19.179 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion: 82 Resp: 98309
Ion Ratio Lower Upper
82 100
128 43.9 34.2 51.2
54 58.4 46.5 69.7

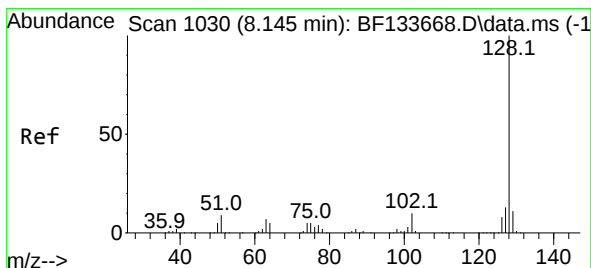
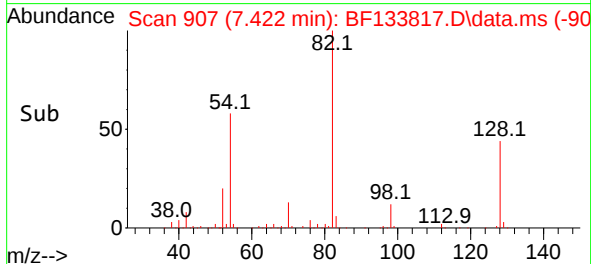
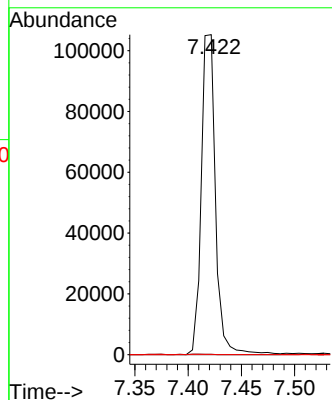
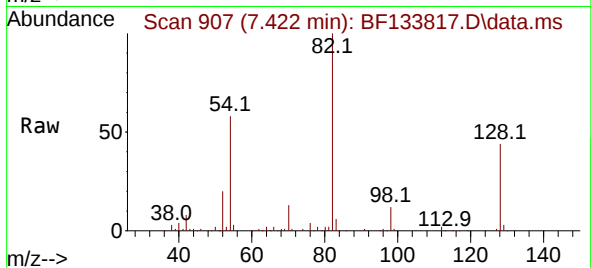




#25
Isophorone
Concen: 10.446 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

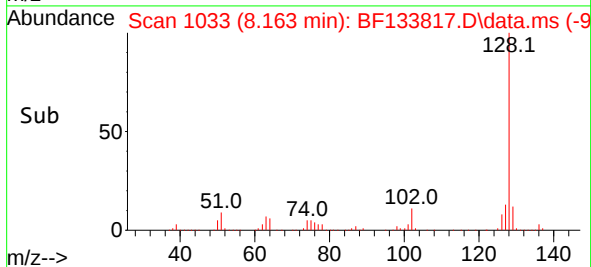
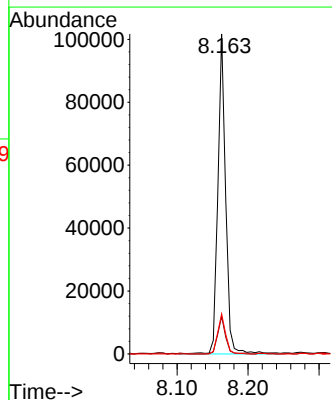
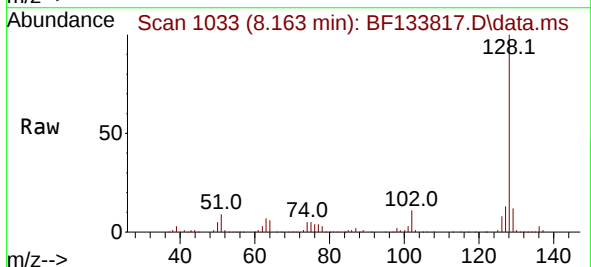
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

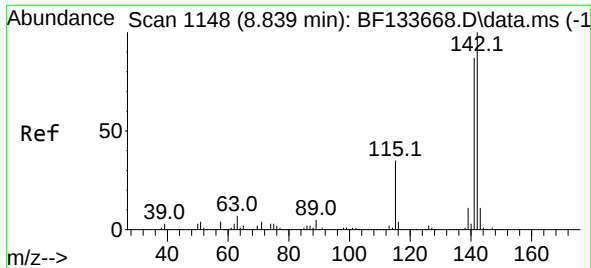
Tgt Ion: 82 Resp: 98309
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 5.678 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion: 128 Resp: 77241
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 12.5 10.5 15.7

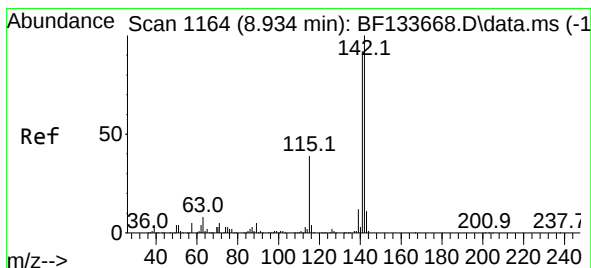
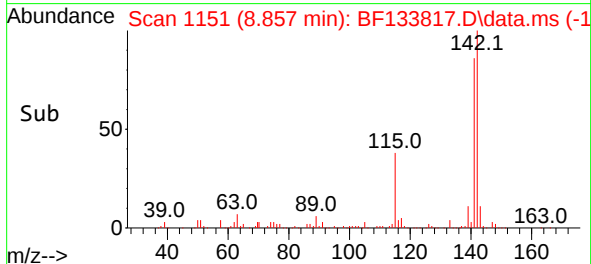
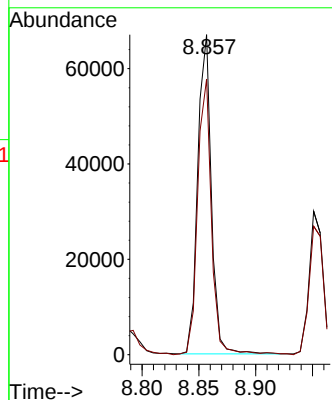
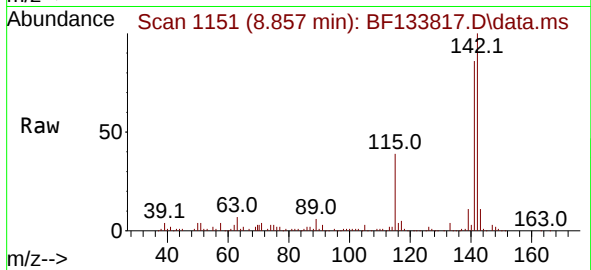




#37
2-Methylnaphthalene
Concen: 5.920 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

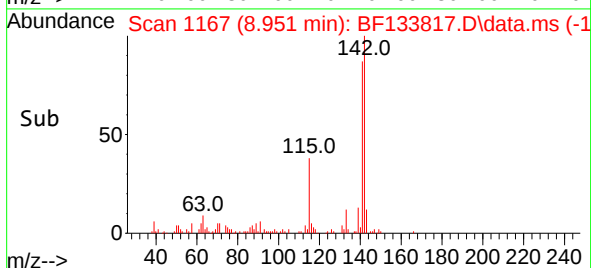
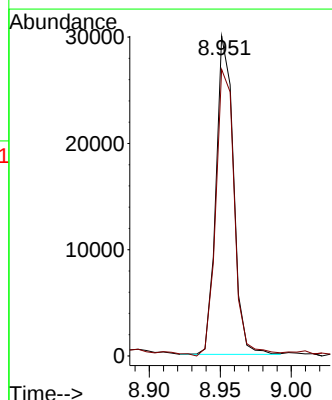
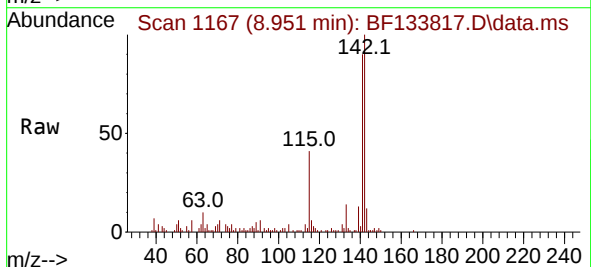
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

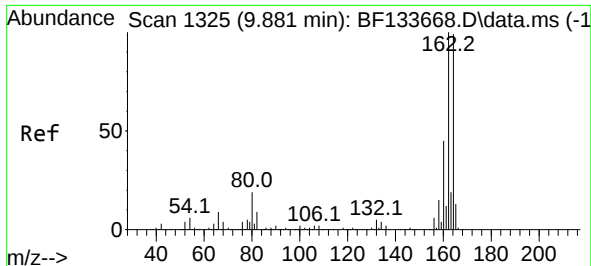
Tgt Ion:142 Resp: 55954
Ion Ratio Lower Upper
142 100
141 86.2 69.8 104.8



#38
1-Methylnaphthalene
Concen: 2.935 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:142 Resp: 25529
Ion Ratio Lower Upper
142 100
141 89.5 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

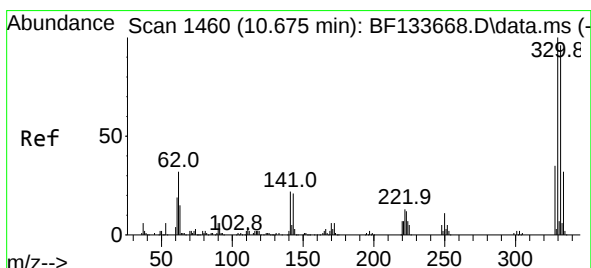
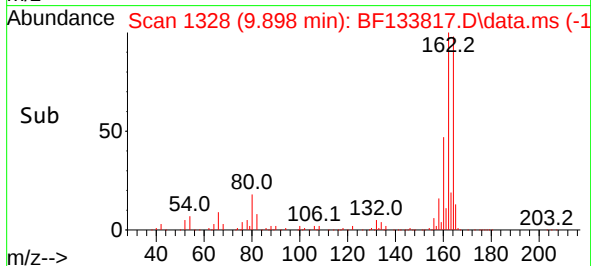
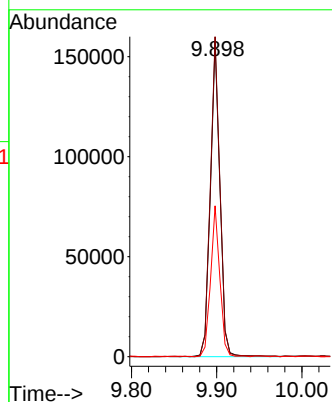
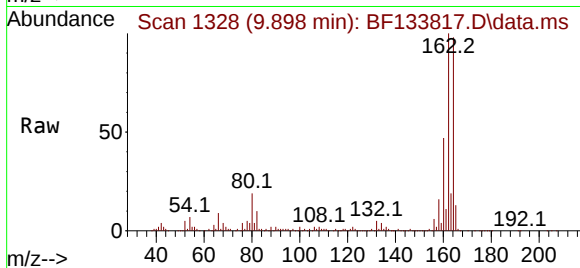
Tgt Ion:164 Resp: 122658

Ion Ratio Lower Upper

164 100

162 101.7 80.8 121.2

160 48.0 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 23.767 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

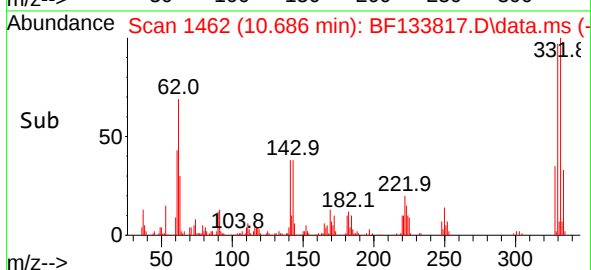
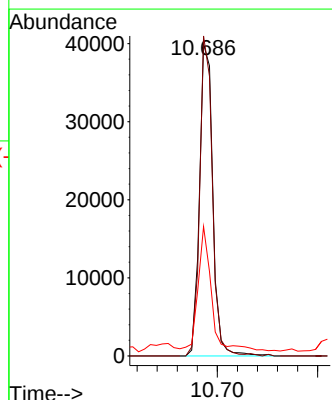
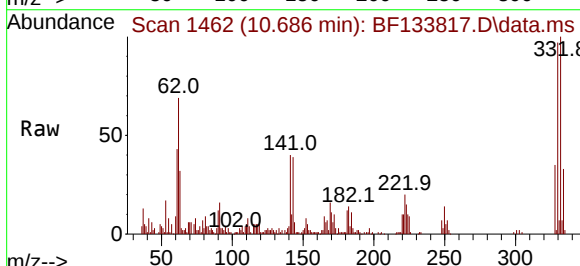
Tgt Ion:330 Resp: 36902

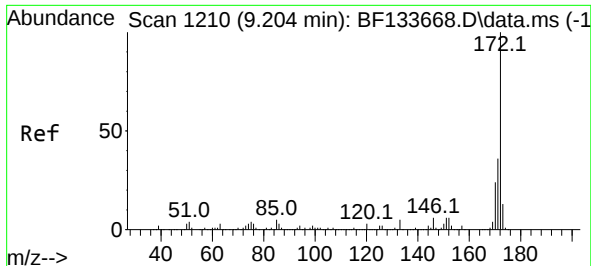
Ion Ratio Lower Upper

330 100

332 97.7 77.2 115.8

141 42.0 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 23.174 ng

RT: 9.216 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

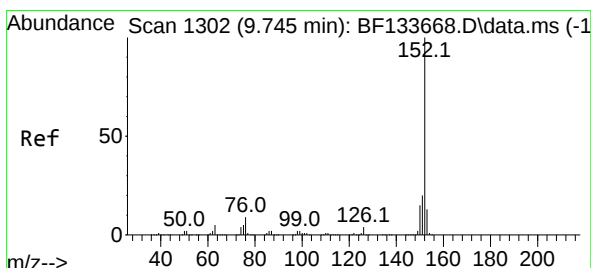
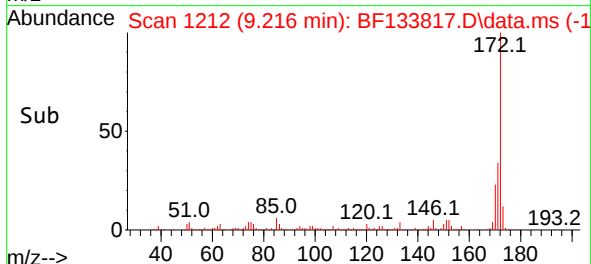
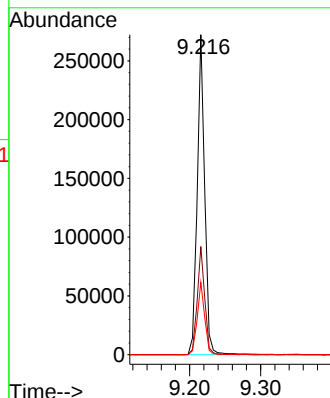
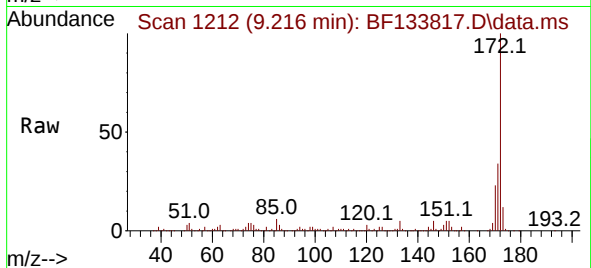
Tgt Ion:172 Resp: 199961

Ion Ratio Lower Upper

172 100

171 33.8 28.6 43.0

170 22.7 19.1 28.7



#49

Acenaphthylene

Concen: 11.343 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

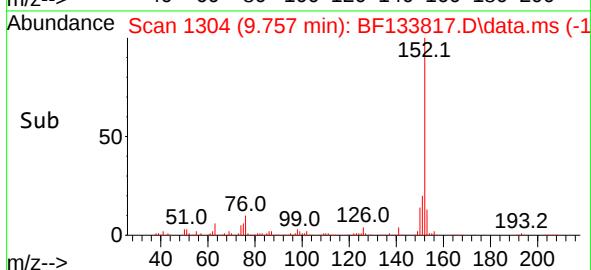
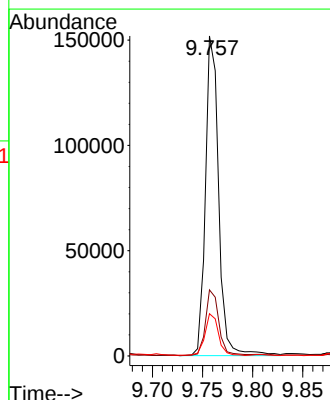
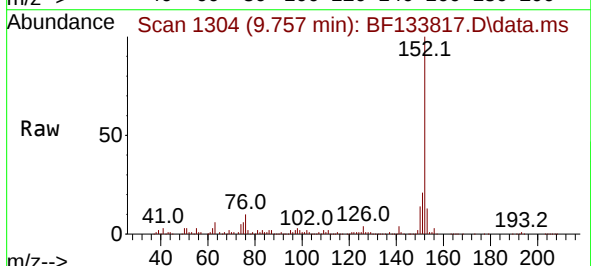
Tgt Ion:152 Resp: 140090

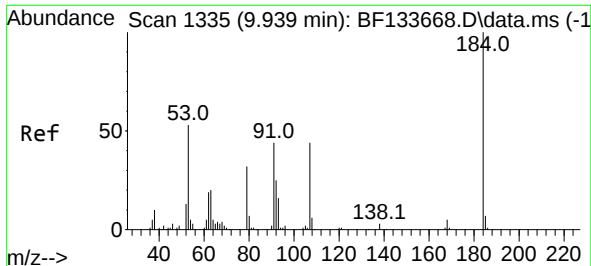
Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

153 13.2 10.4 15.6

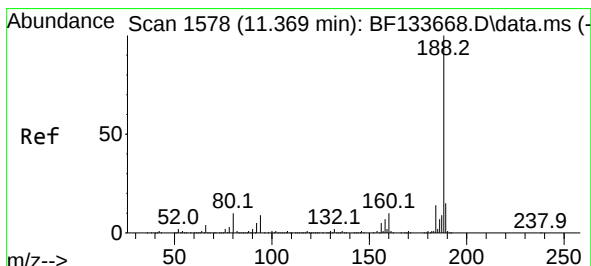
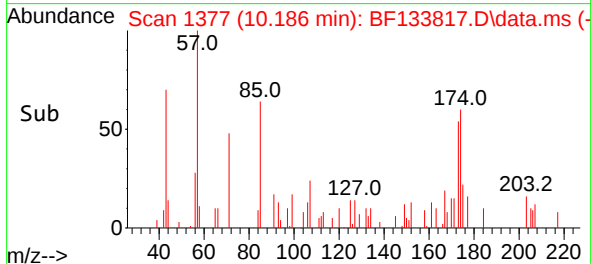
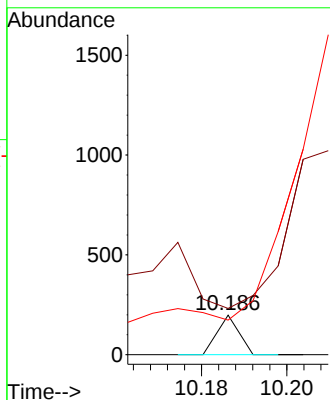
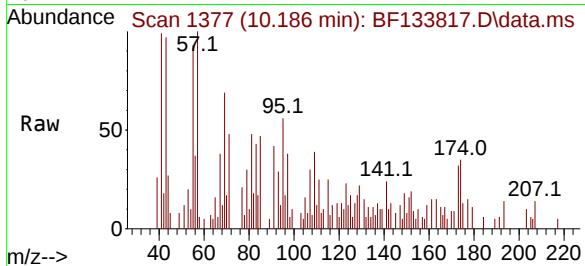




#54
2,4-Dinitrophenol
Concen: 5.787 ng
RT: 10.186 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

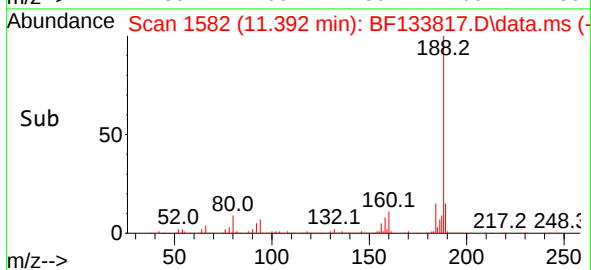
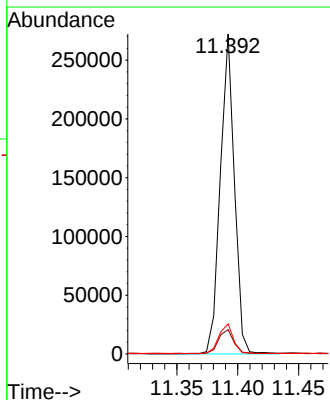
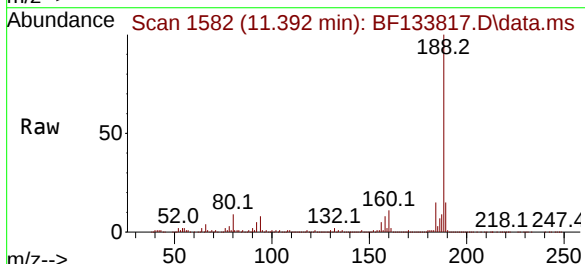
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

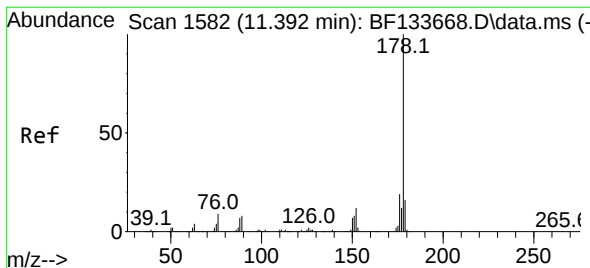
Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 117.2 55.3 82.9#
154 87.4 51.9 77.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:188 Resp: 220808
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 9.4 7.8 11.6





#71

Phenanthrene

Concen: 6.710 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

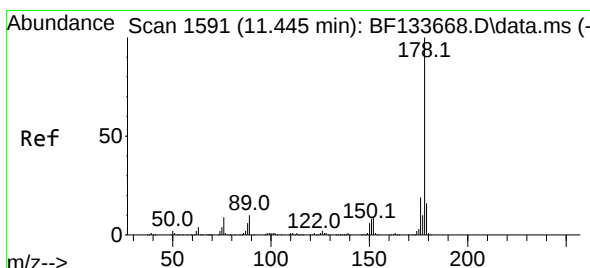
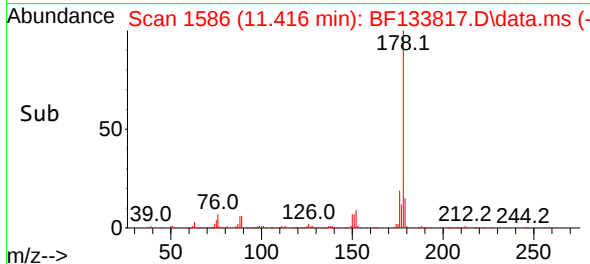
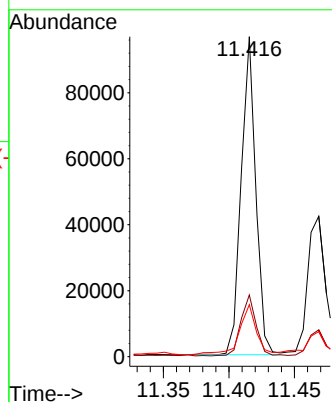
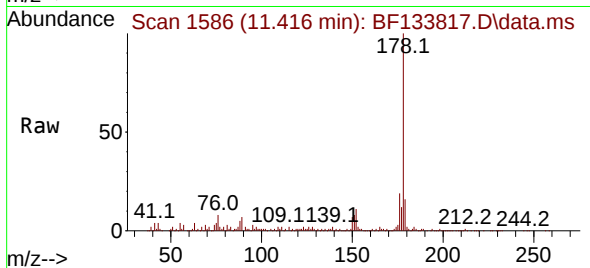
Tgt Ion:178 Resp: 75170

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 16.2 12.4 18.6



#72

Anthracene

Concen: 3.297 ng

RT: 11.468 min Scan# 1595

Delta R.T. -0.000 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

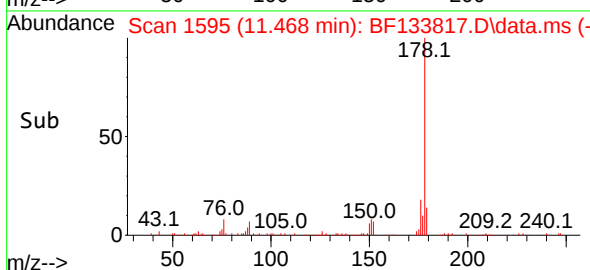
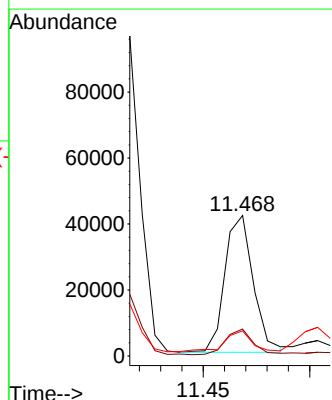
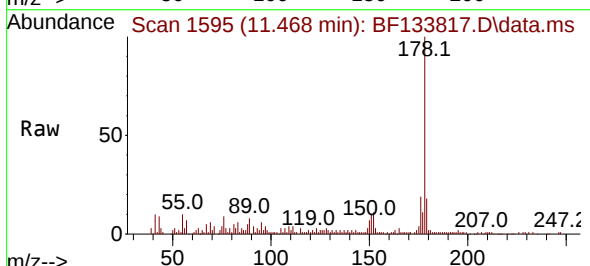
Tgt Ion:178 Resp: 38512

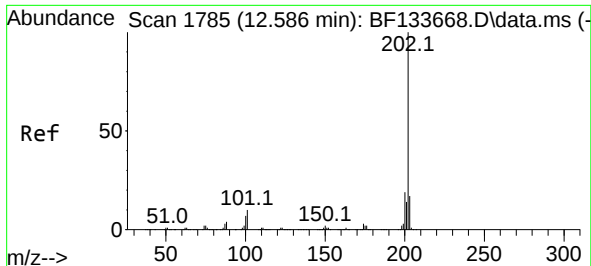
Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 17.8 12.6 18.8

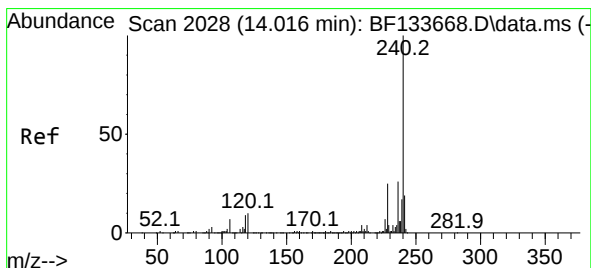
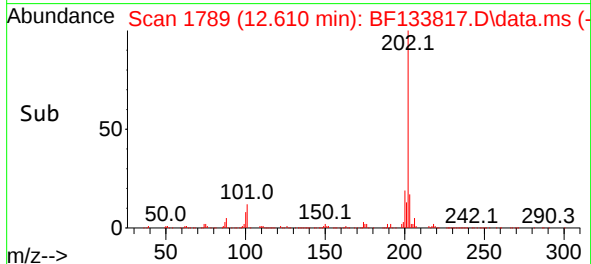
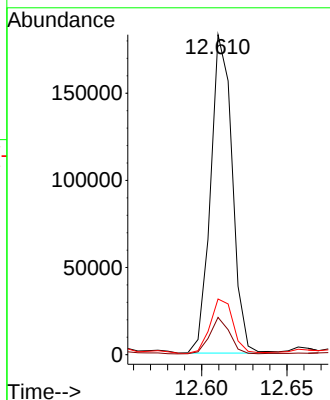
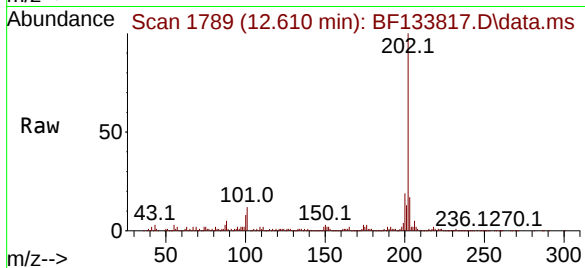




#75
Fluoranthene
Concen: 13.556 ng
RT: 12.610 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

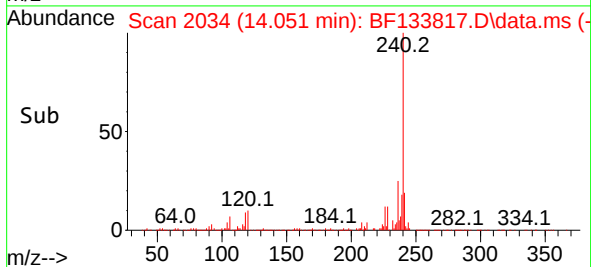
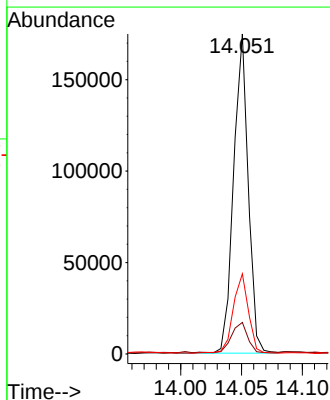
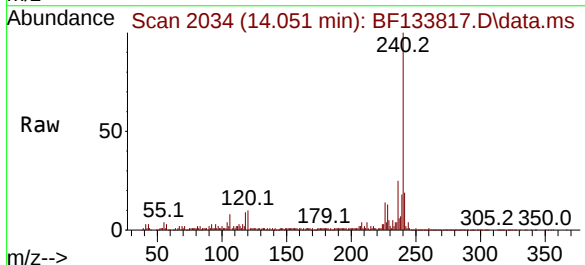
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

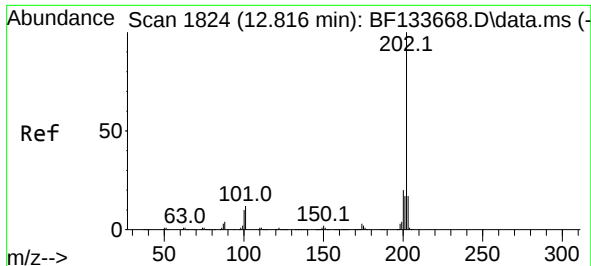
Tgt Ion:202 Resp: 161272
Ion Ratio Lower Upper
202 100
101 11.7 0.0 29.6
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:240 Resp: 145628
Ion Ratio Lower Upper
240 100
120 9.8 8.1 12.1
236 25.1 20.5 30.7

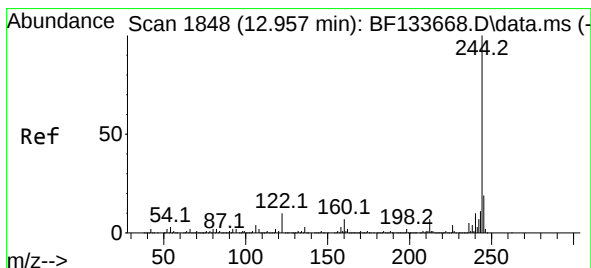
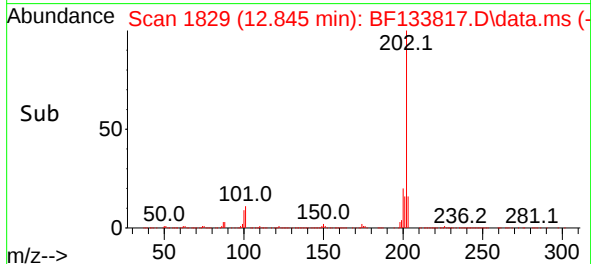
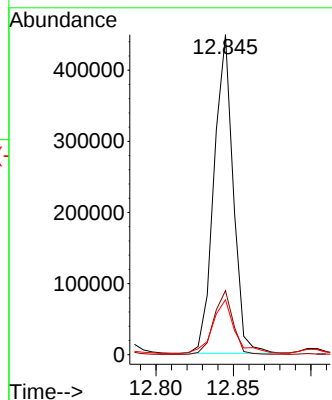
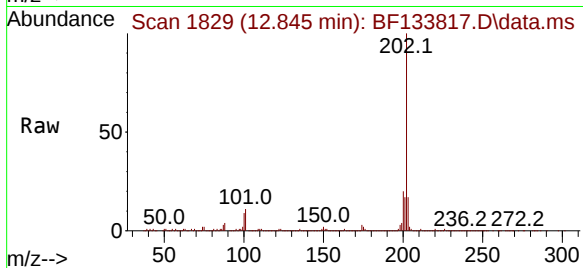




#78
 Pyrene
 Concen: 28.432 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: BF133817.D
 Acq: 16 Jun 2023 20:49

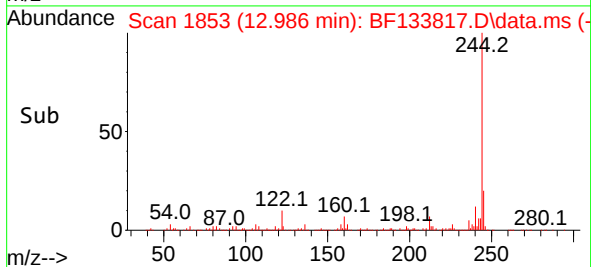
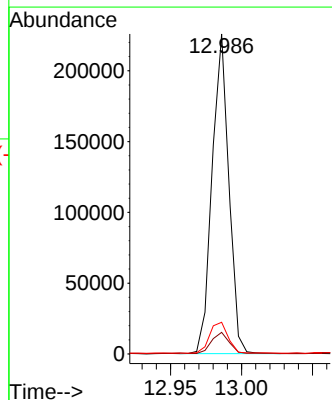
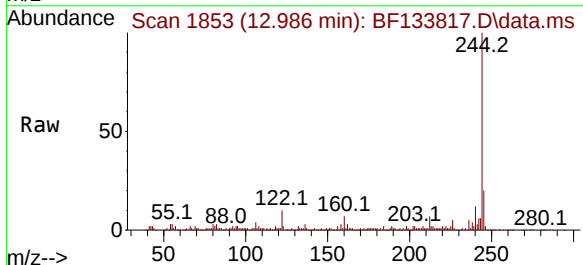
Instrument :
 BNA_F
 ClientSampleId :
 HYATT-PIPE-TP

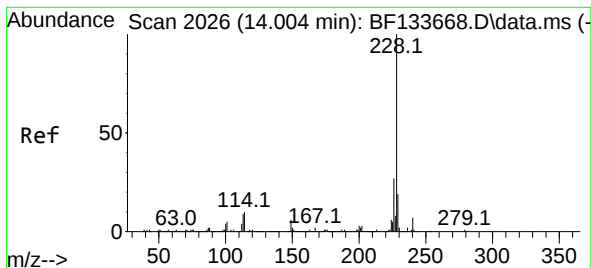
Tgt Ion:202 Resp: 385705
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.2 24.2
 203 17.2 13.9 20.9



#79
 Terphenyl-d14
 Concen: 19.615 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF133817.D
 Acq: 16 Jun 2023 20:49

Tgt Ion:244 Resp: 184609
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 9.9 8.1 12.1





#81

Benzo(a)anthracene

Concen: 10.530 ng

RT: 14.074 min Scan# 2026

Delta R.T. 0.029 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

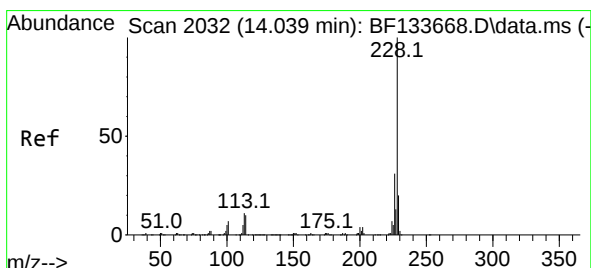
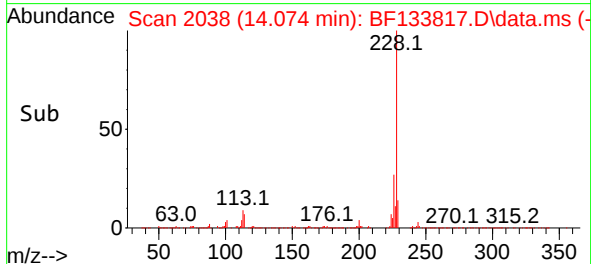
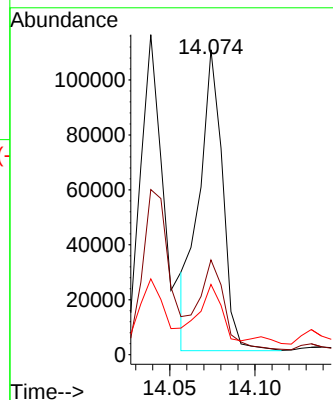
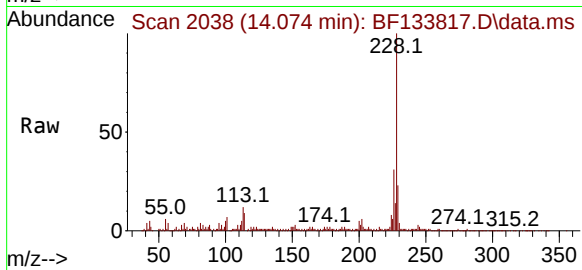
Tgt Ion:228 Resp: 106075

Ion Ratio Lower Upper

228 100

226 31.1 21.7 32.5

229 23.0 15.4 23.2



#83

Chrysene

Concen: 11.134 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

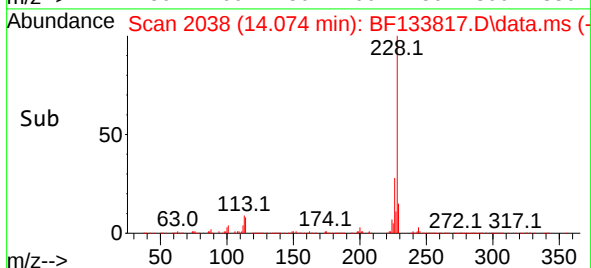
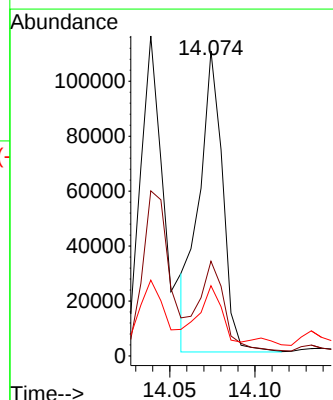
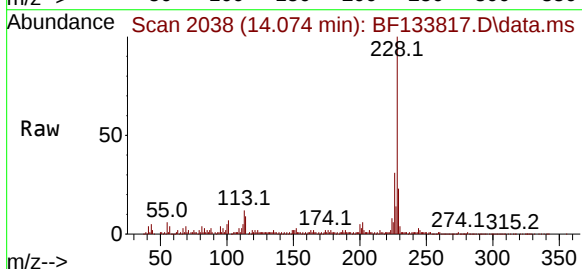
Tgt Ion:228 Resp: 106075

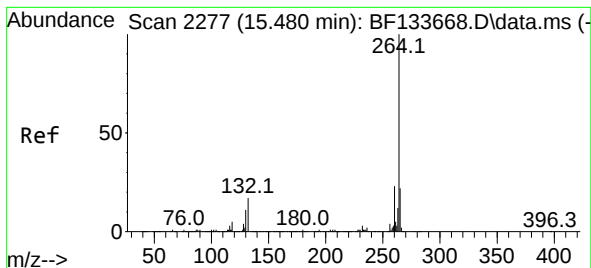
Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

229 23.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

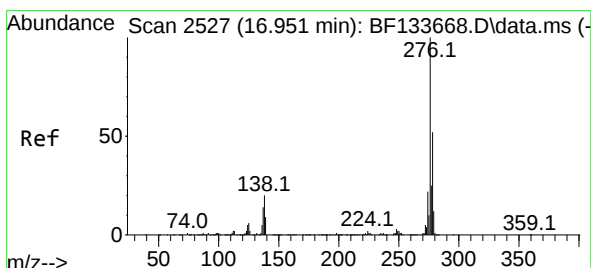
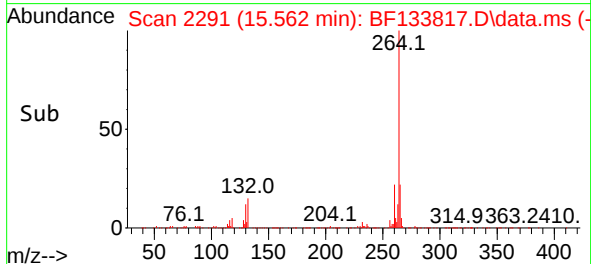
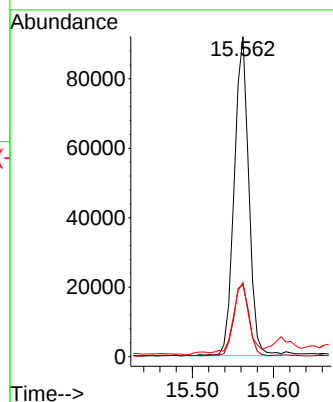
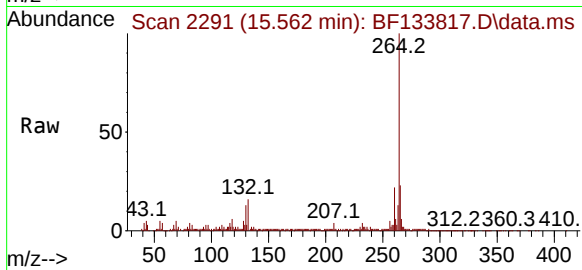
Tgt Ion:264 Resp: 114524

Ion Ratio Lower Upper

264 100

260 22.5 18.2 27.2

265 23.1 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.391 ng

RT: 17.103 min Scan# 2553

Delta R.T. -0.012 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

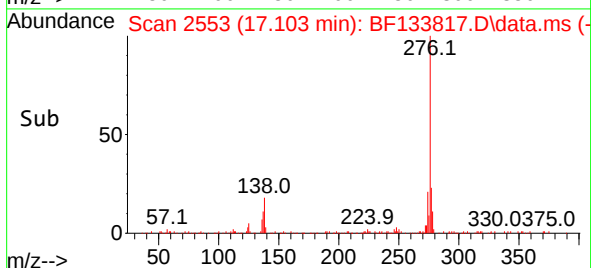
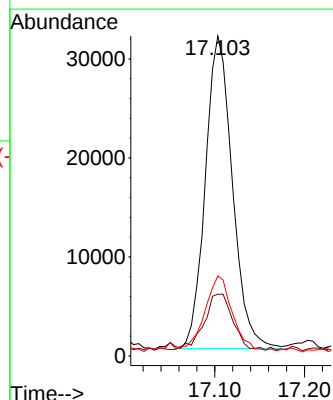
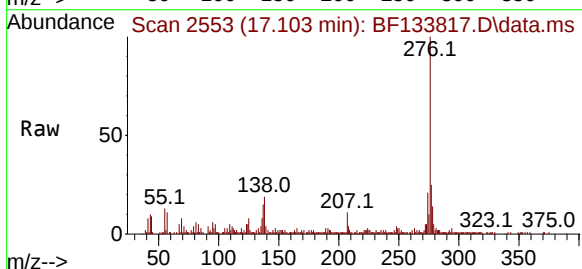
Tgt Ion:276 Resp: 66116

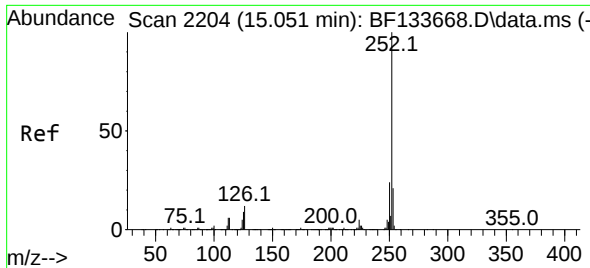
Ion Ratio Lower Upper

276 100

138 18.4 17.9 26.9

277 24.4 20.3 30.5

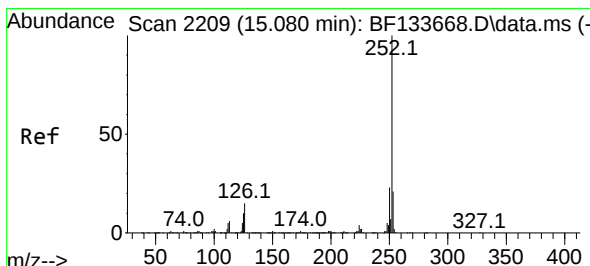
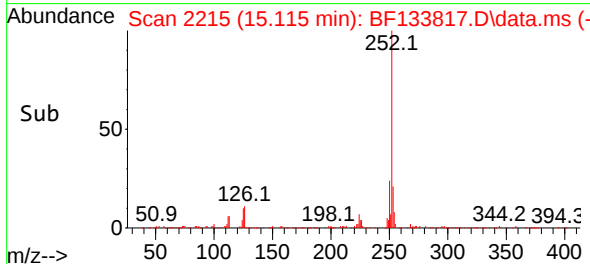
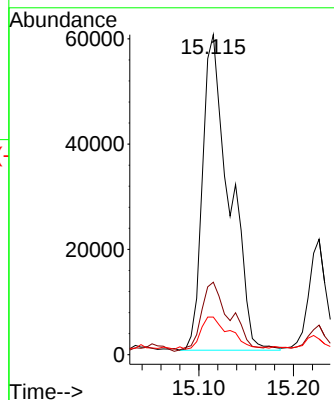
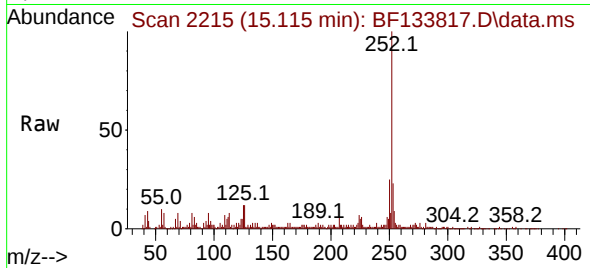




#88
Benzo(b)fluoranthene
Concen: 16.950 ng
RT: 15.115 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

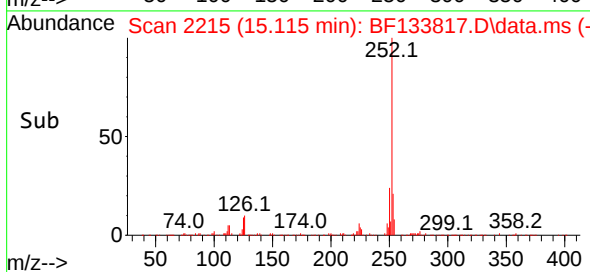
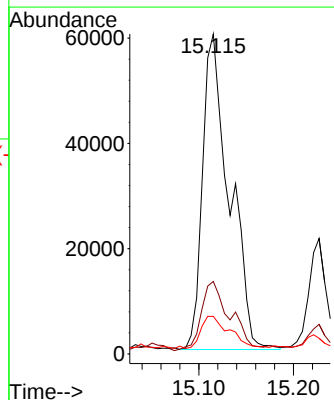
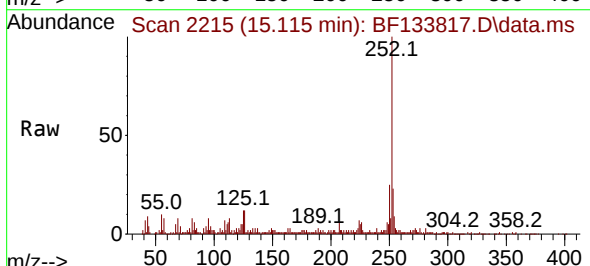
Instrument :
BNA_F
ClientSampleId :
HYATT-PIPE-TP

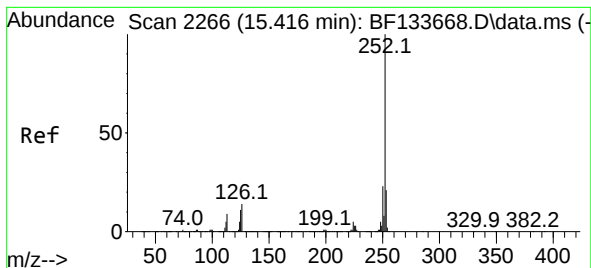
Tgt Ion:252 Resp: 117922
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 11.7 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 17.401 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.030 min
Lab File: BF133817.D
Acq: 16 Jun 2023 20:49

Tgt Ion:252 Resp: 117922
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 11.7 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 13.947 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP

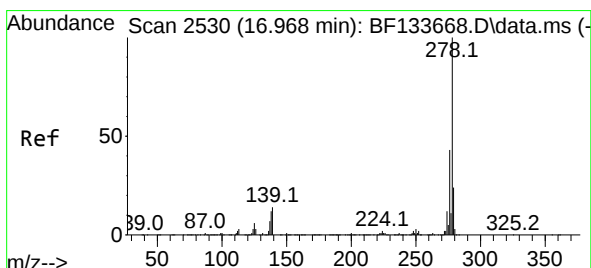
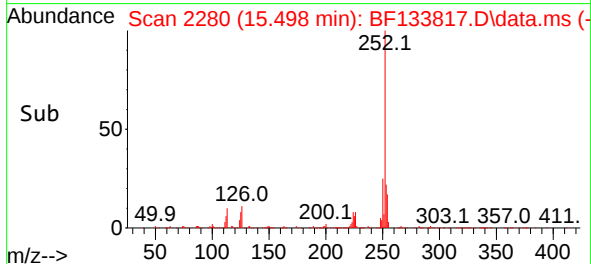
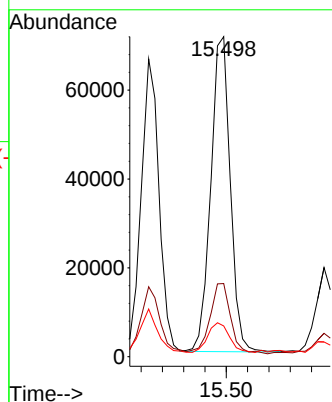
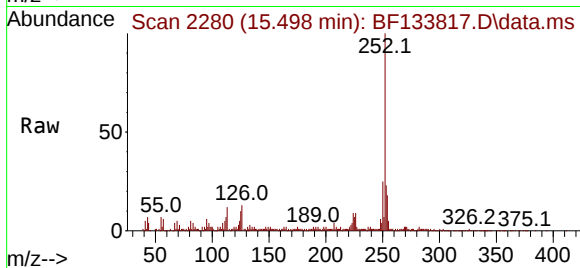
Tgt Ion:252 Resp: 90047

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 9.6 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 2.224 ng

RT: 17.115 min Scan# 2555

Delta R.T. -0.024 min

Lab File: BF133817.D

Acq: 16 Jun 2023 20:49

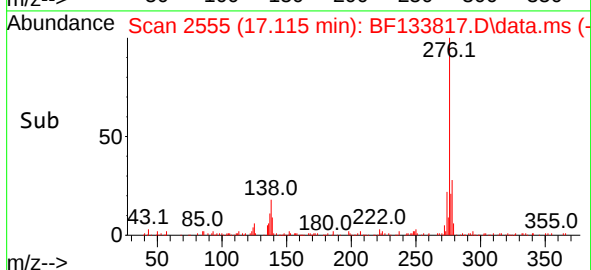
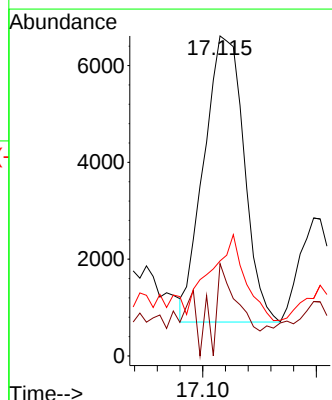
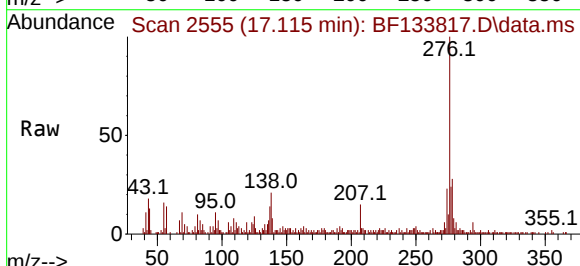
Tgt Ion:278 Resp: 14505

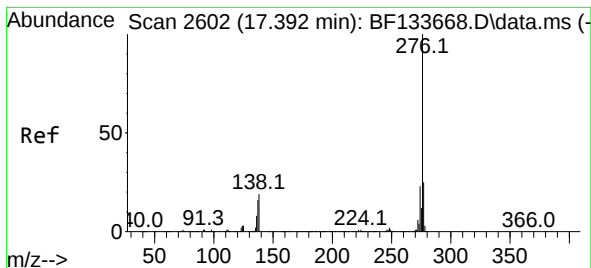
Ion Ratio Lower Upper

278 100

139 28.9 11.4 17.2#

279 29.7 19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 18.987 ng

RT: 17.580 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133817.D

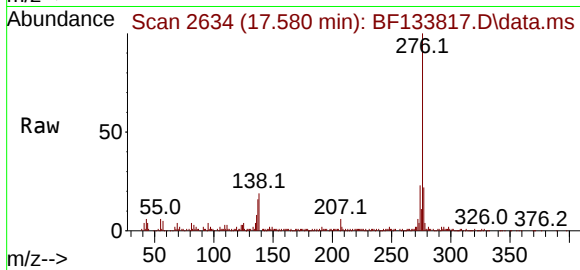
Acq: 16 Jun 2023 20:49

Instrument :

BNA_F

ClientSampleId :

HYATT-PIPE-TP



Tgt Ion:276 Resp: 122797

Ion Ratio Lower Upper

276 100

277 22.1 19.8 29.8

138 18.9 15.0 22.4

