

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134353.D
 Acq On : 18 Jul 2023 23:34
 Operator : CG\JU
 Sample : 03601-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-1-071223

Quant Time: Jul 19 01:43:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

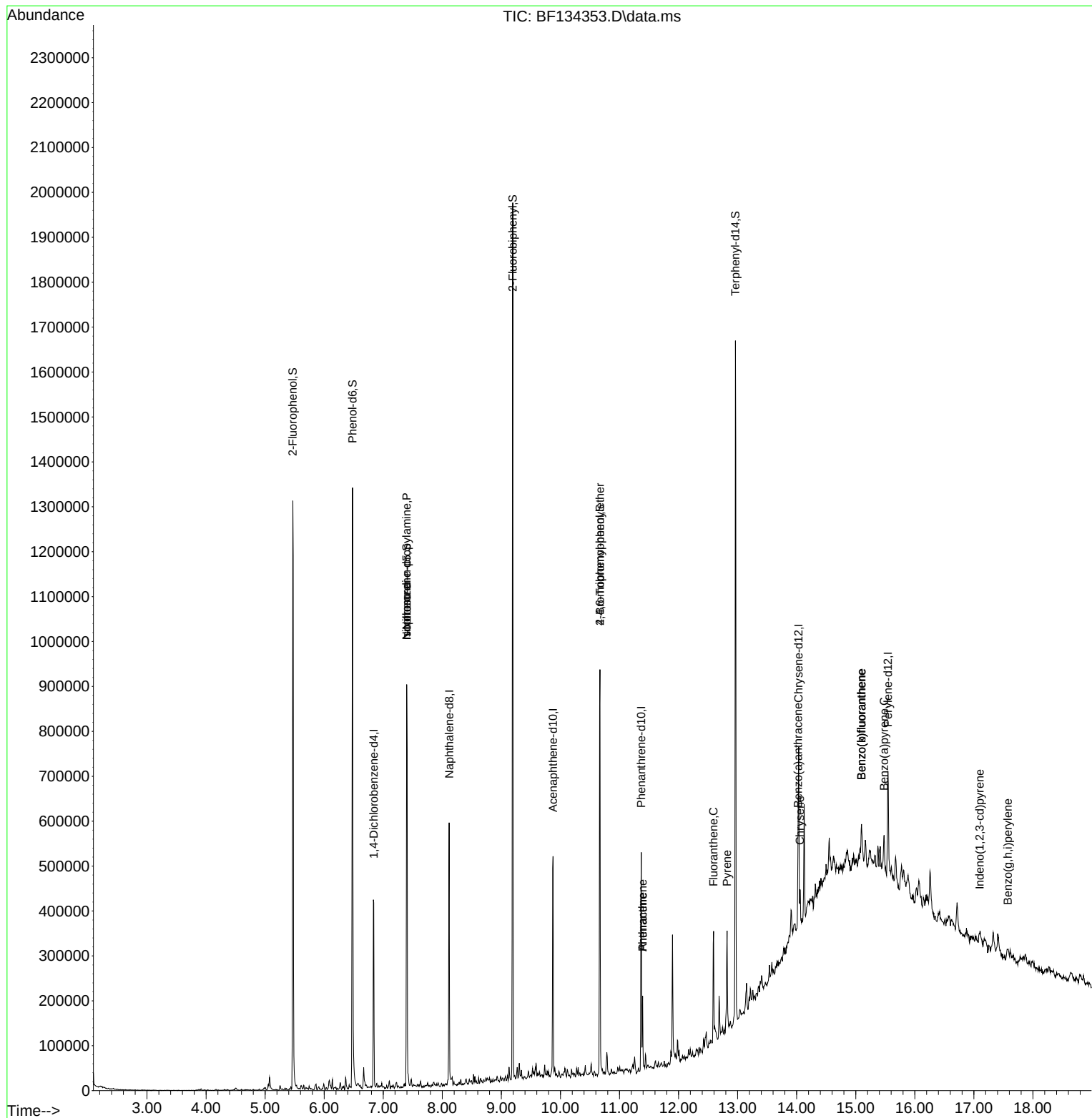
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	63124	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	227621	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	99260	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	176715	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	128850	20.000	ng	0.00
86) Perylene-d12	15.545	264	101198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	350974	93.007	ng	0.00
7) Phenol-d6	6.481	99	401185	86.447	ng	0.00
23) Nitrobenzene-d5	7.398	82	275559	65.258	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	116720	93.787	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	516370	75.634	ng	-0.01
79) Terphenyl-d14	12.963	244	539939	67.442	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.404	77	66	Below Cal		93
19) n-Nitroso-di-n-propyla...	7.398	70	39513	13.426	ng	# 74
25) Isophorone	7.398	82	275168	35.856	ng	# 64
67) 4-Bromophenyl-phenylether	10.669	248	7028	3.742	ng	# 1
71) Phenanthrene	11.392	178	53671	6.033	ng	99
72) Anthracene	11.392	178	53671	5.800	ng	98
75) Fluoranthene	12.592	202	101049	10.507	ng	97
78) Pyrene	12.822	202	92648	7.726	ng	99
81) Benzo(a)anthracene	14.021	228	43728	4.893	ng	94
83) Chrysene	14.057	228	39308	4.542	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	16489	2.348	ng	# 92
88) Benzo(b)fluoranthene	15.098	252	54503	9.159	ng	# 71
89) Benzo(k)fluoranthene	15.098	252	54503	8.996	ng	# 71
90) Benzo(a)pyrene	15.480	252	26800	4.658	ng	# 76
92) Benzo(g,h,i)perylene	17.574	276	19480	3.293	ng	# 91

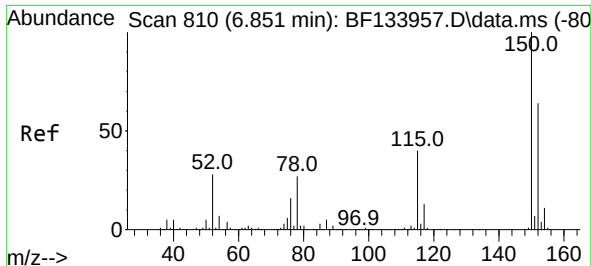
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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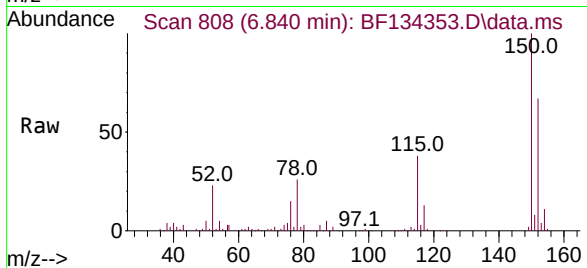
Quant Time: Jul 19 01:43:49 2023
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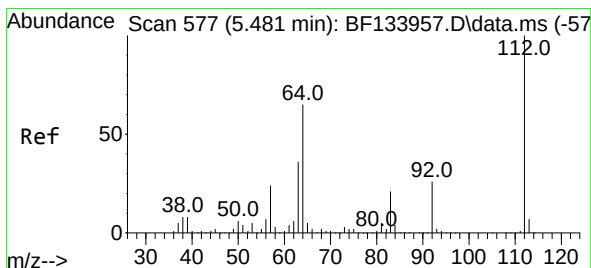
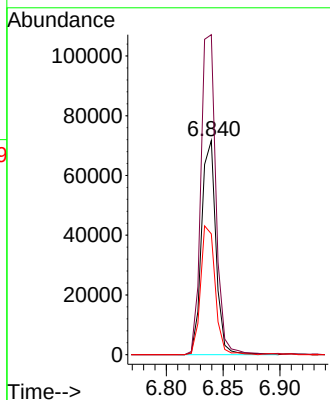
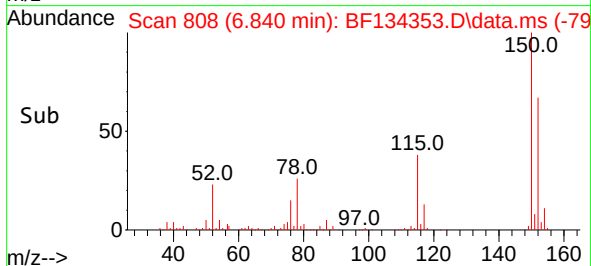


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Instrument :
BNA_F
ClientSampleId :
HR-1-071223

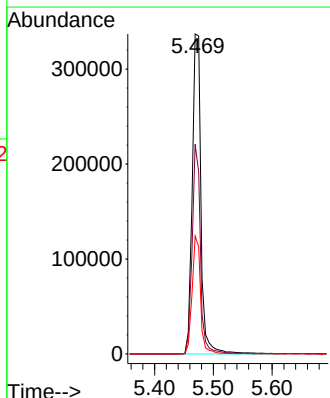
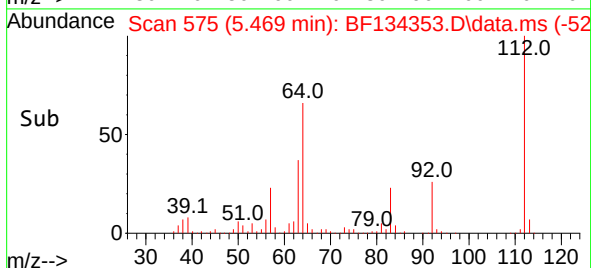
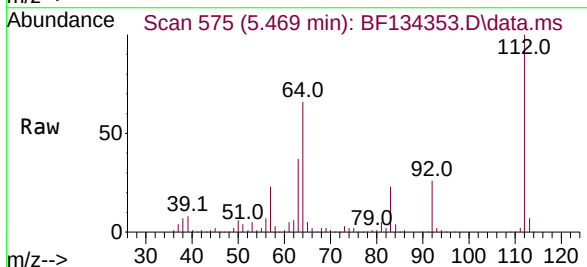


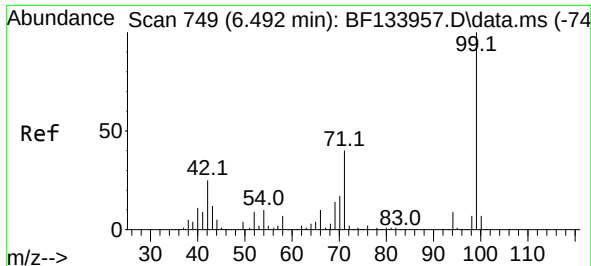
Tgt Ion:152 Resp: 63124
Ion Ratio Lower Upper
152 100
150 149.4 124.5 186.7
115 56.4 50.2 75.2



#5
2-Fluorophenol
Concen: 93.007 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion:112 Resp: 350974
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 36.9 28.6 42.8

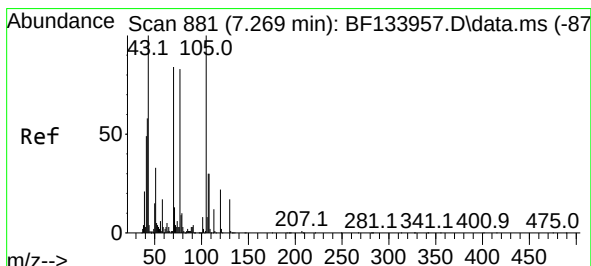
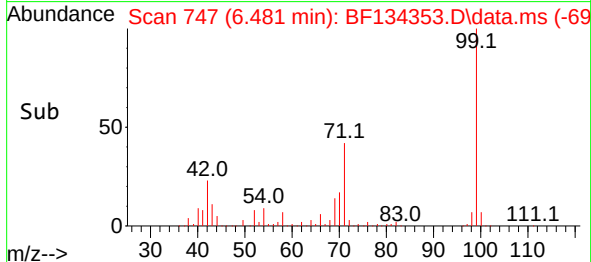
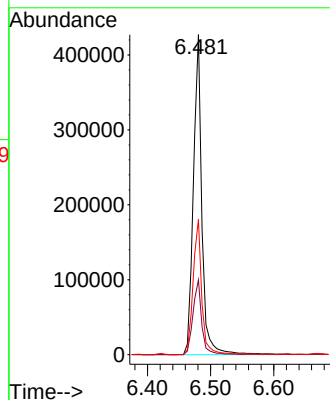
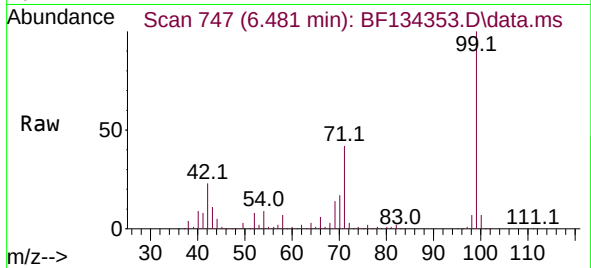




#7
Phenol-d6
Concen: 86.447 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

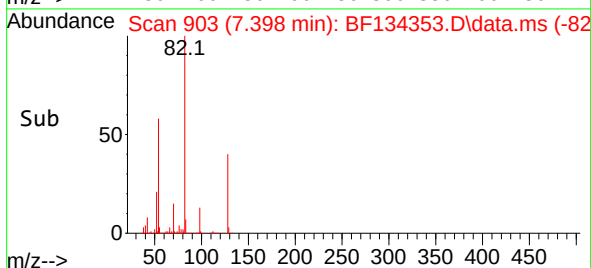
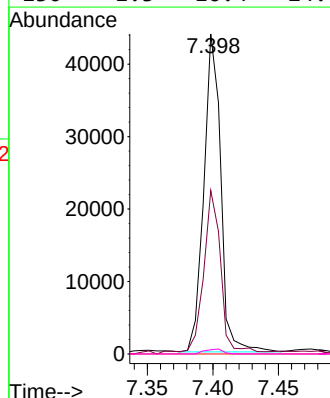
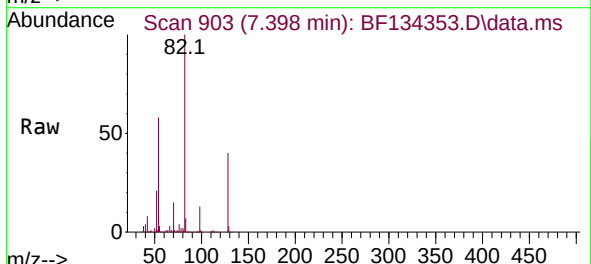
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

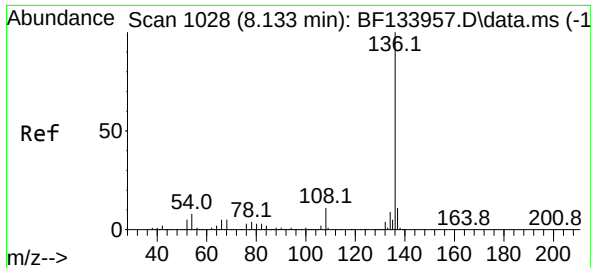
Tgt Ion: 99 Resp: 401185
Ion Ratio Lower Upper
99 100
42 23.3 19.8 29.6
71 42.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.426 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion: 70 Resp: 39513
Ion Ratio Lower Upper
70 100
42 51.1 54.7 82.1#
101 0.0 7.7 11.5#
130 1.3 16.4 24.6#

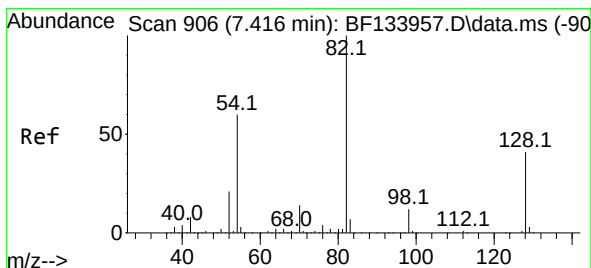
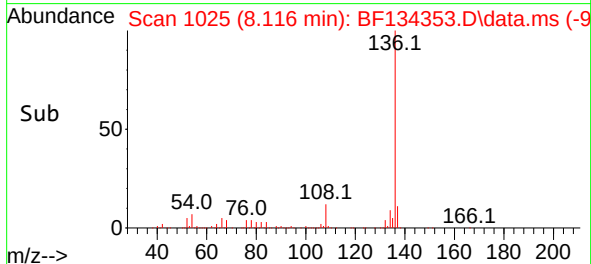
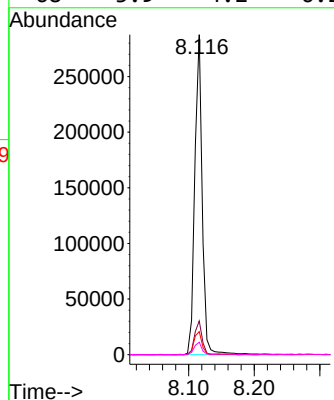
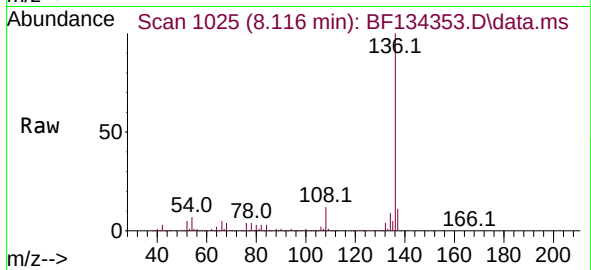




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

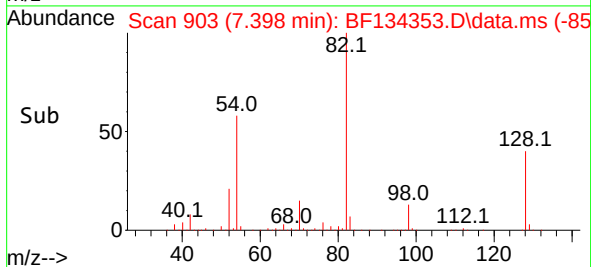
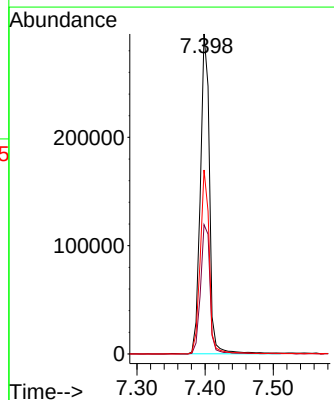
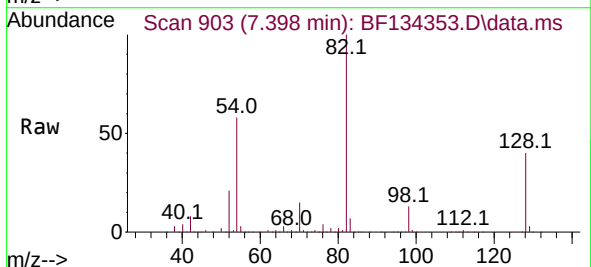
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

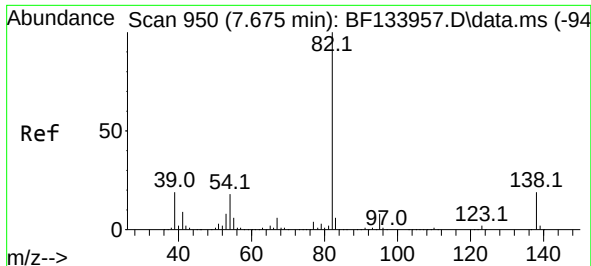
Tgt Ion:136 Resp: 227621
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.2 6.5 9.7
68 3.9 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 65.258 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion: 82 Resp: 275559
Ion Ratio Lower Upper
82 100
128 40.4 32.5 48.7
54 57.5 48.2 72.2

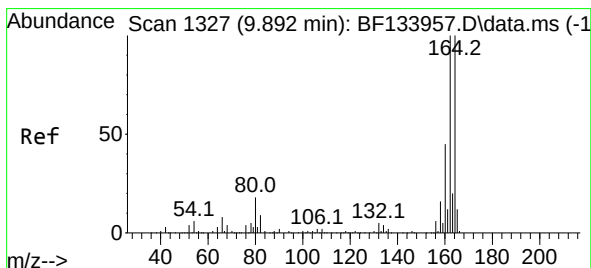
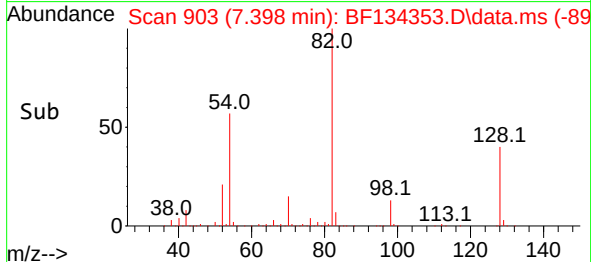
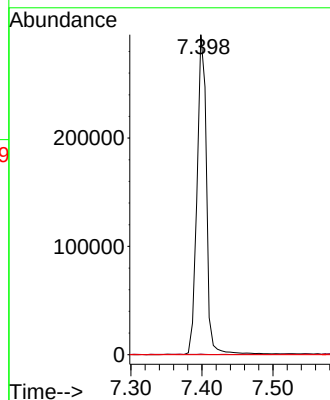
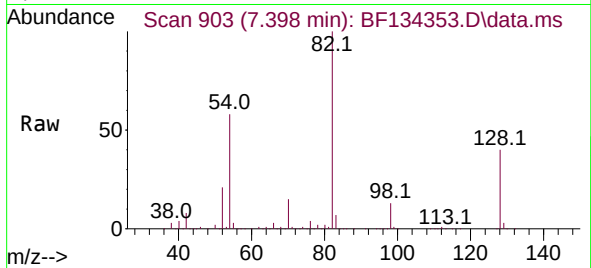




#25
Isophorone
Concen: 35.856 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

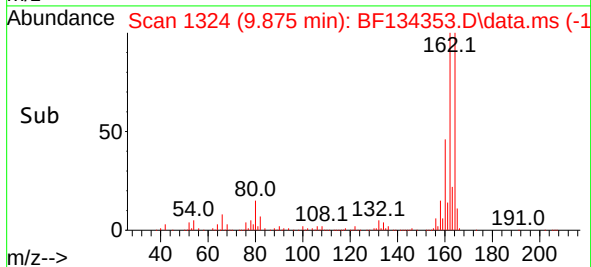
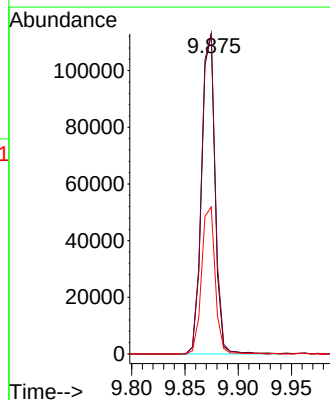
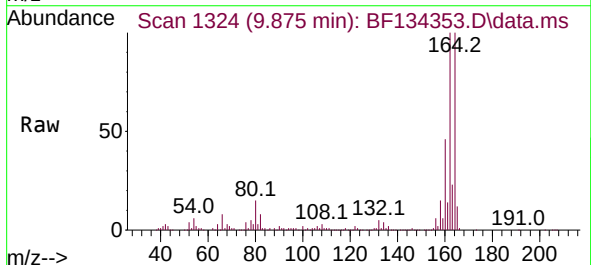
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

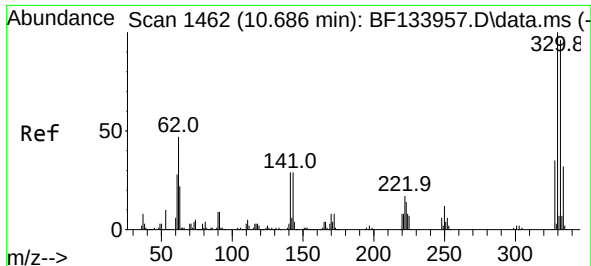
Tgt Ion: 82 Resp: 275168
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion: 164 Resp: 99260
Ion Ratio Lower Upper
164 100
162 100.0 80.0 120.0
160 45.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 93.787 ng

RT: 10.669 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

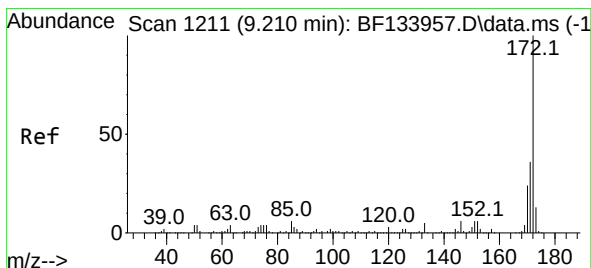
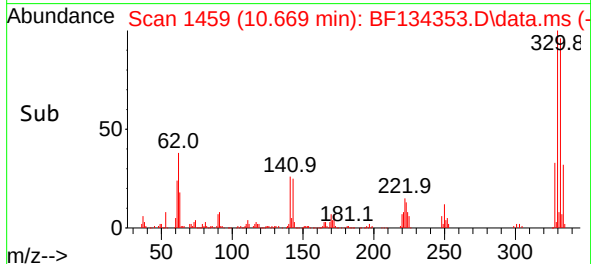
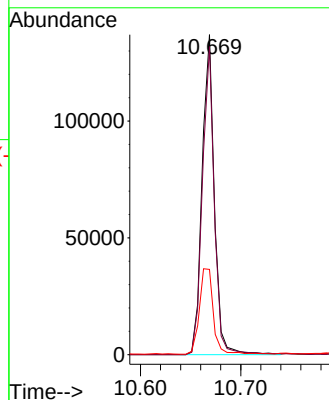
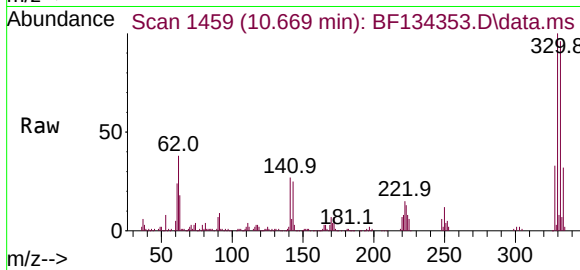
Tgt Ion:330 Resp: 116720

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

141 30.5 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 75.634 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

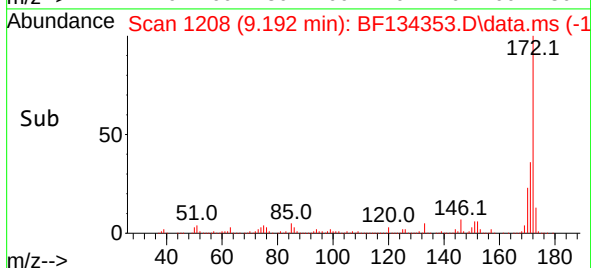
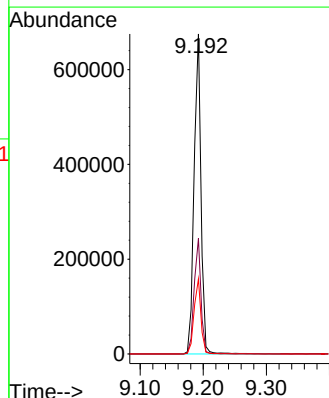
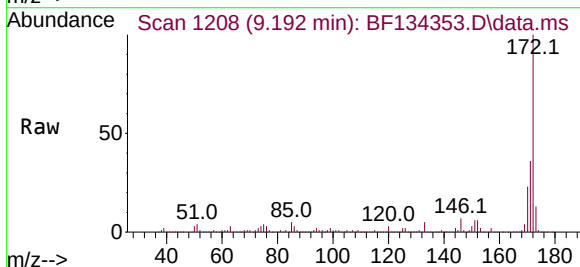
Tgt Ion:172 Resp: 516370

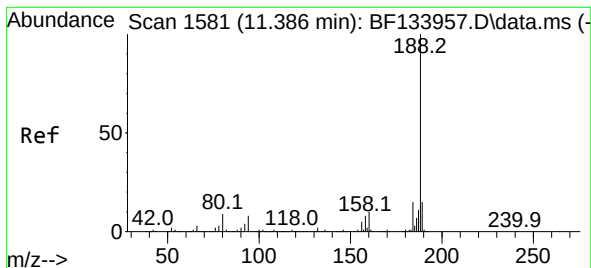
Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

170 23.5 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

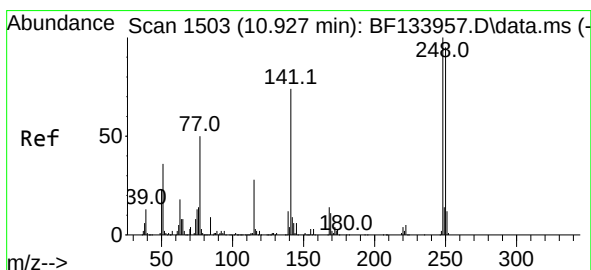
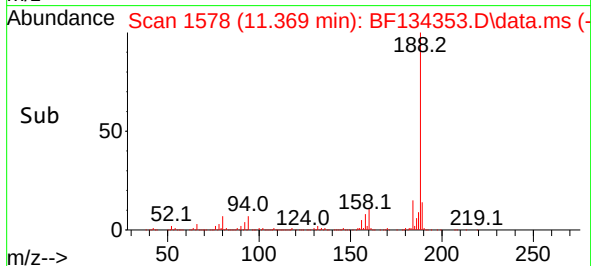
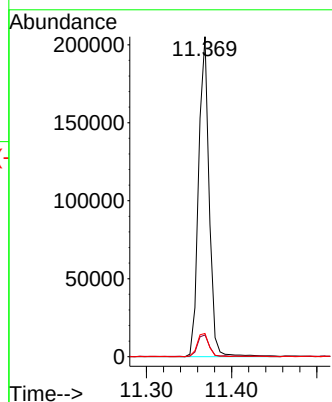
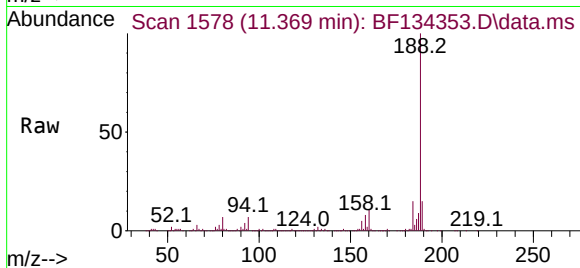
Tgt Ion:188 Resp: 176715

Ion Ratio Lower Upper

188 100

94 6.8 6.4 9.6

80 7.2 7.3 10.9#



#67

4-Bromophenyl-phenylether

Concen: 3.742 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

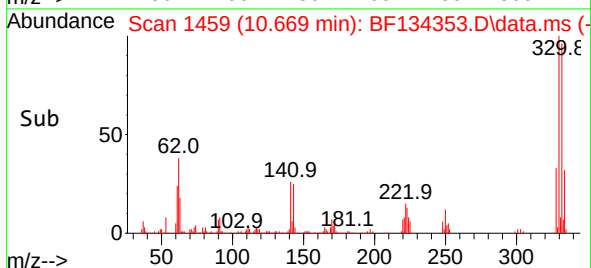
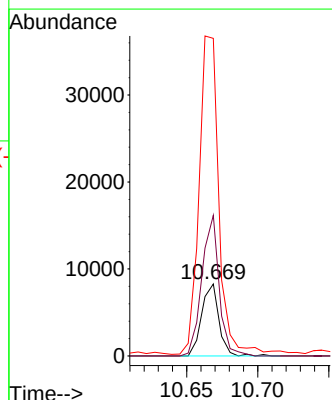
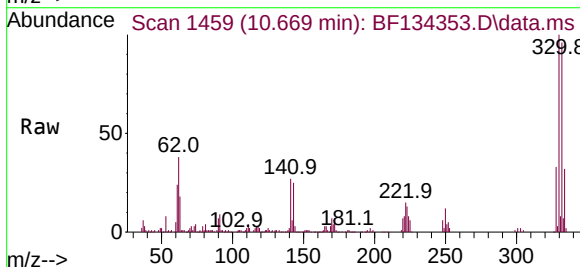
Tgt Ion:248 Resp: 7028

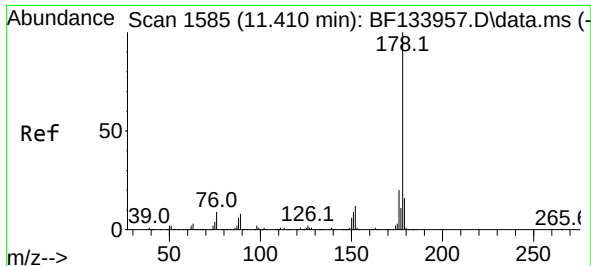
Ion Ratio Lower Upper

248 100

250 195.3 76.2 114.4#

141 441.1 59.0 88.4#

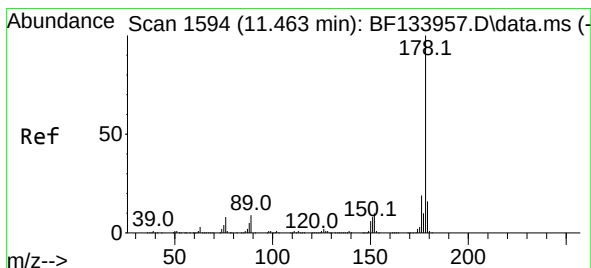
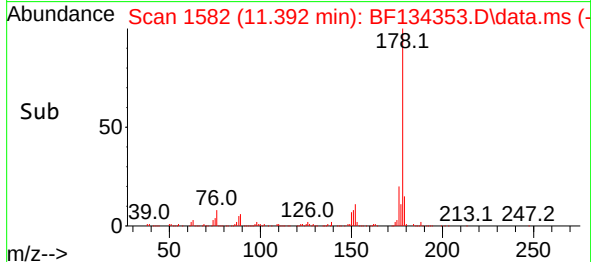
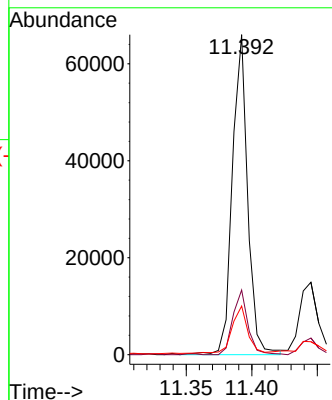
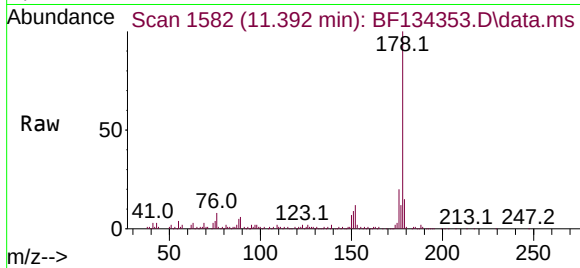




#71
Phenanthrene
Concen: 6.033 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

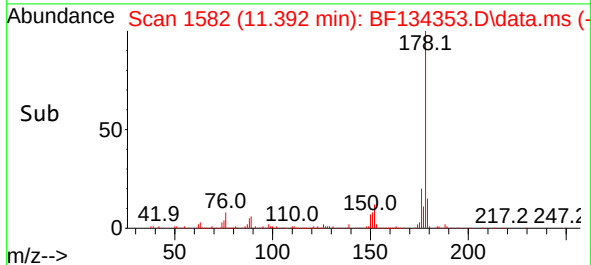
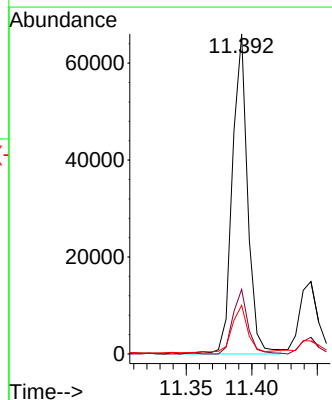
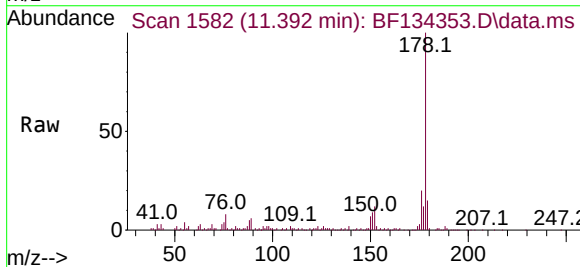
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

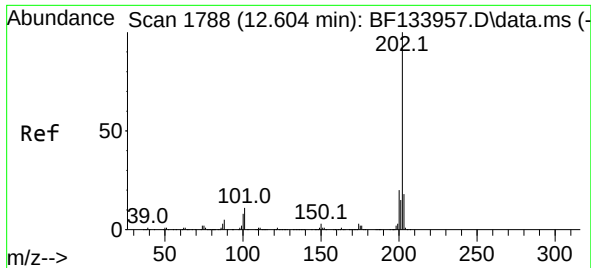
Tgt Ion:178 Resp: 53671
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 15.2 12.4 18.6



#72
Anthracene
Concen: 5.800 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.065 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion:178 Resp: 53671
Ion Ratio Lower Upper
178 100
176 20.2 15.3 22.9
179 15.2 12.4 18.6

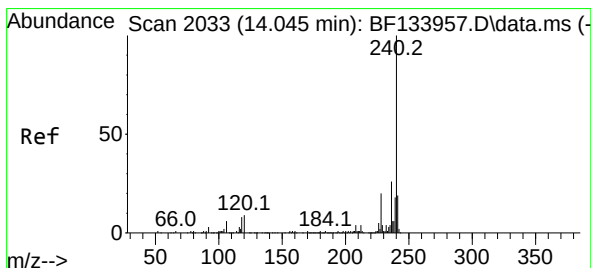
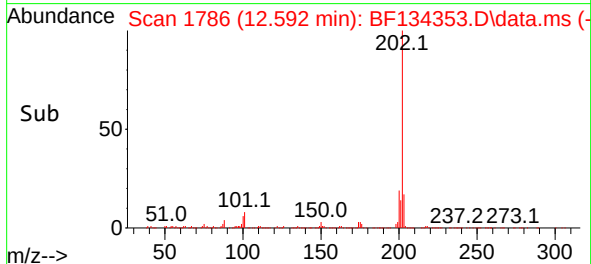
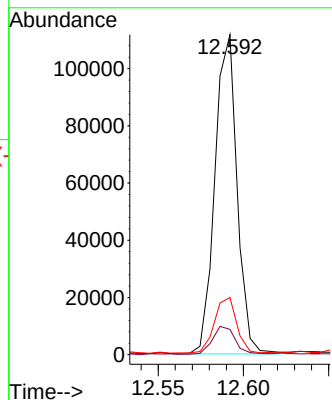
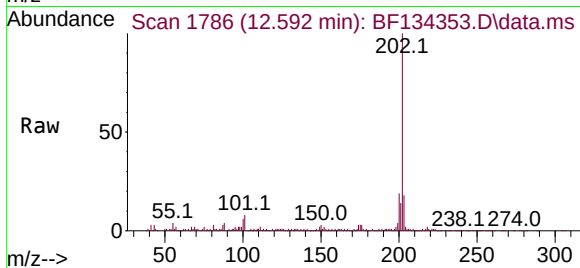




#75
Fluoranthene
Concen: 10.507 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

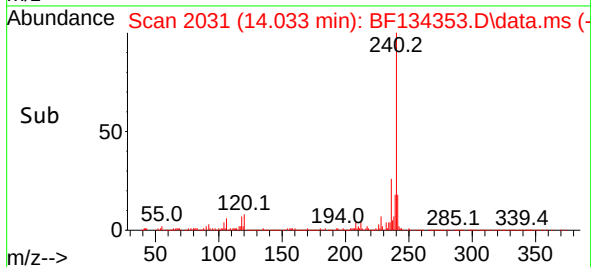
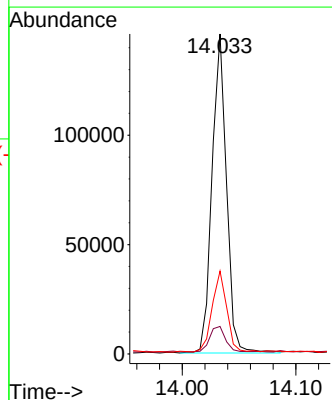
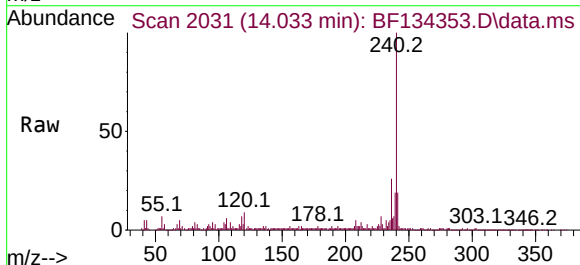
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

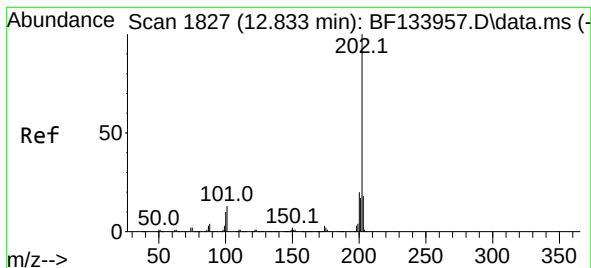
Tgt Ion:202 Resp: 101049
Ion Ratio Lower Upper
202 100
101 7.9 0.0 31.0
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion:240 Resp: 128850
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 25.9 21.0 31.6





#78

Pyrene

Concen: 7.726 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

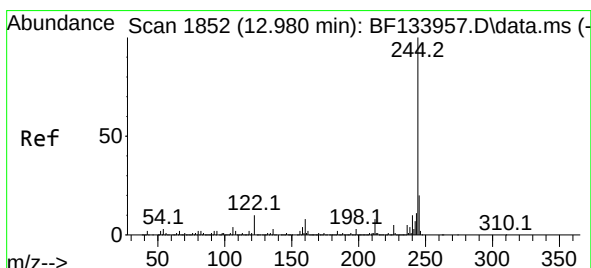
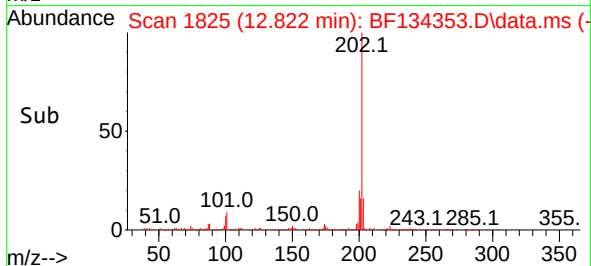
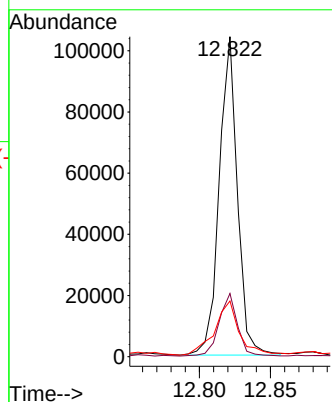
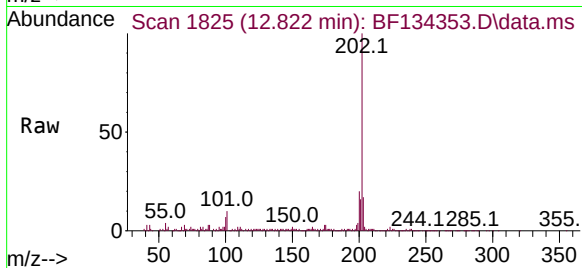
Tgt Ion:202 Resp: 92648

Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 17.4 14.3 21.5



#79

Terphenyl-d14

Concen: 67.442 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

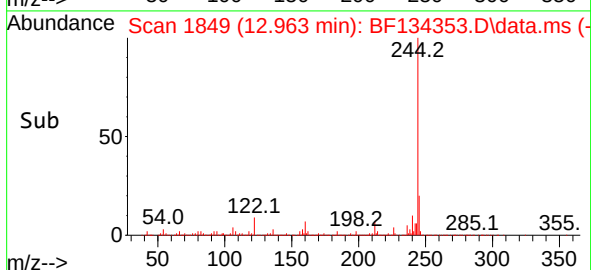
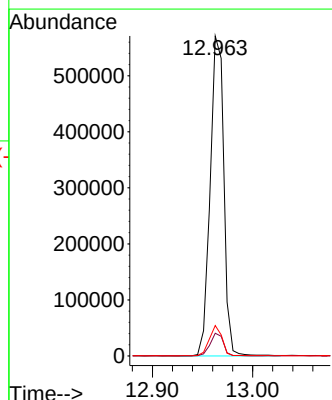
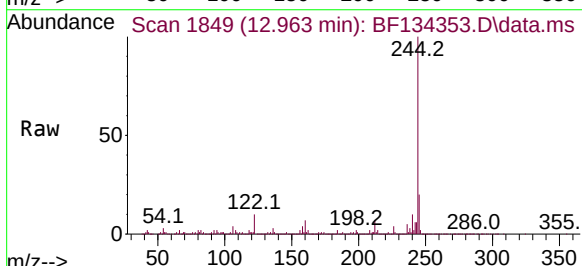
Tgt Ion:244 Resp: 539939

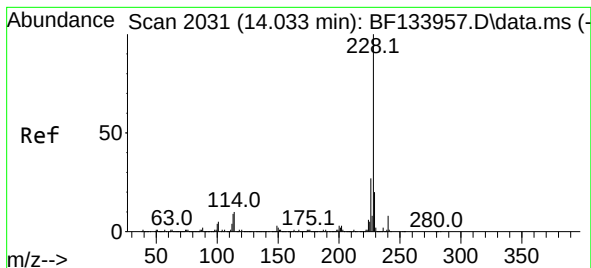
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.5 8.3 12.5





#81

Benzo(a)anthracene

Concen: 4.893 ng

RT: 14.021 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

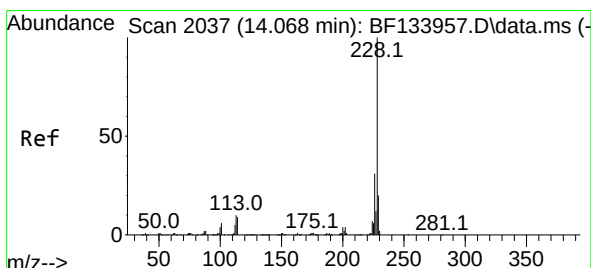
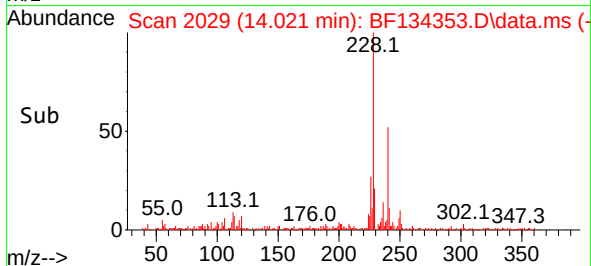
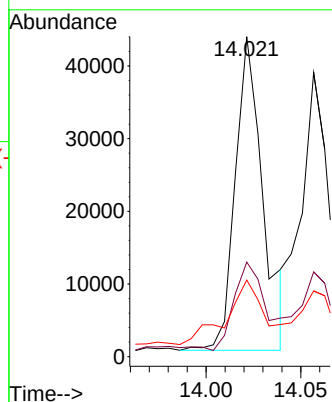
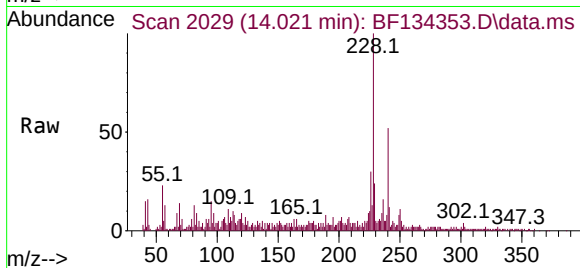
Tgt Ion:228 Resp: 43728

Ion Ratio Lower Upper

228 100

226 29.6 22.0 33.0

229 24.0 16.3 24.5



#83

Chrysene

Concen: 4.542 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

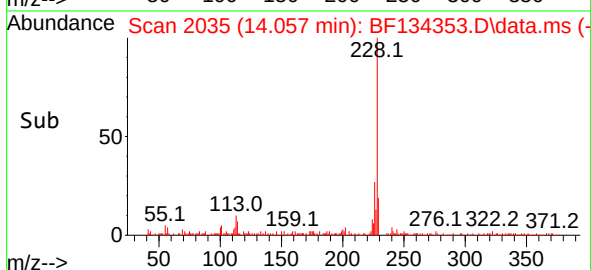
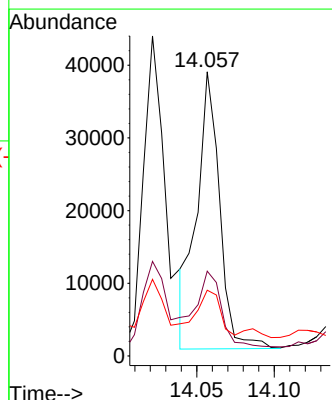
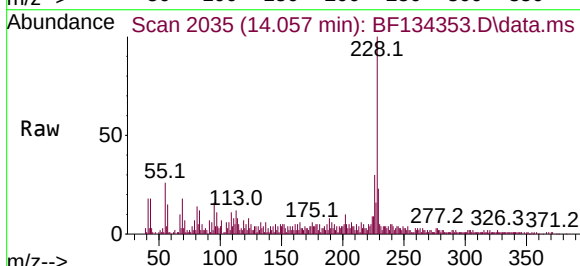
Tgt Ion:228 Resp: 39308

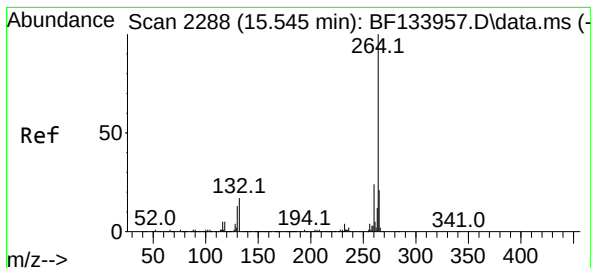
Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 23.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

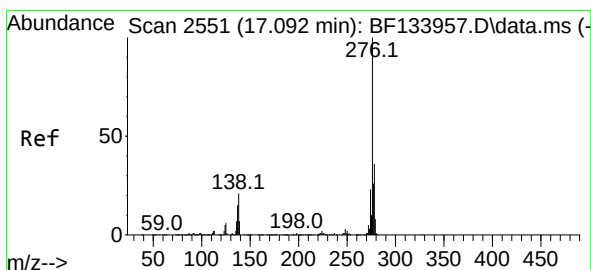
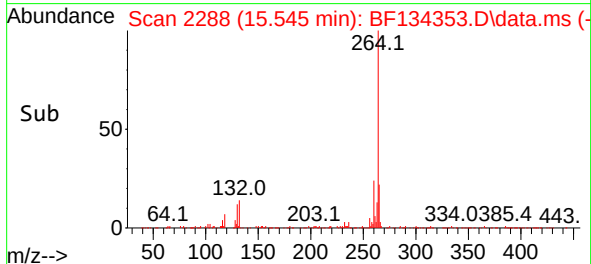
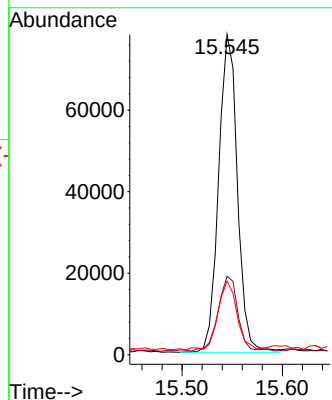
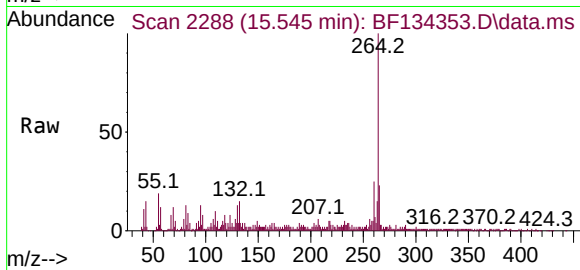
Tgt Ion:264 Resp: 101198

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 23.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.348 ng

RT: 17.098 min Scan# 2552

Delta R.T. 0.000 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

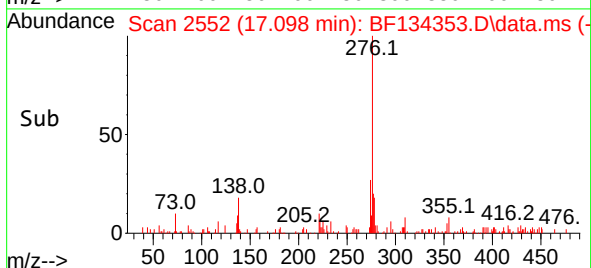
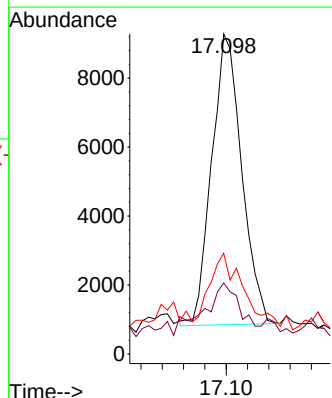
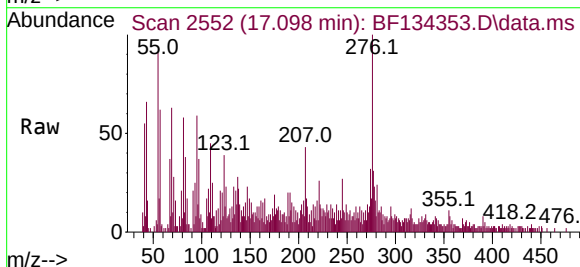
Tgt Ion:276 Resp: 16489

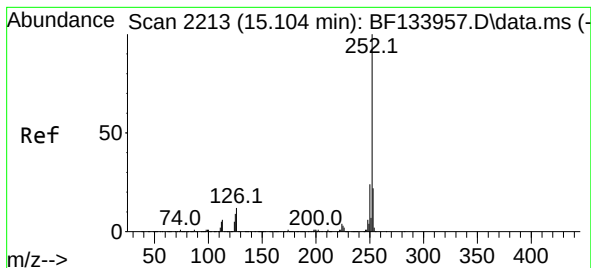
Ion Ratio Lower Upper

276 100

138 22.1 18.7 28.1

277 31.3 19.9 29.9#





#88

Benzo(b)fluoranthene

Concen: 9.159 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

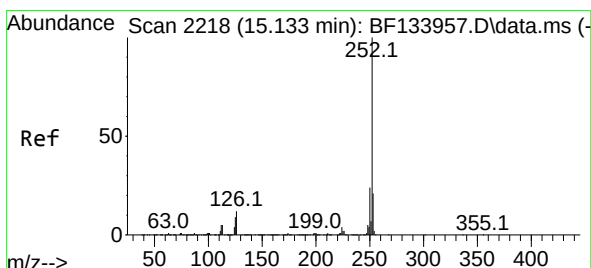
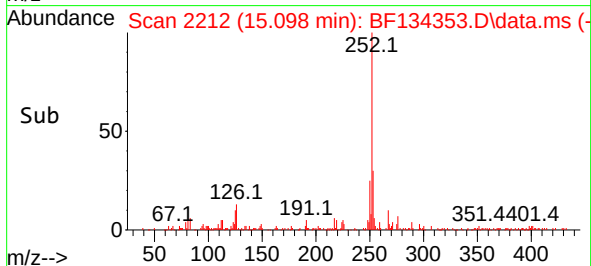
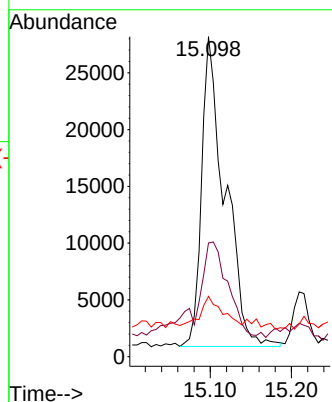
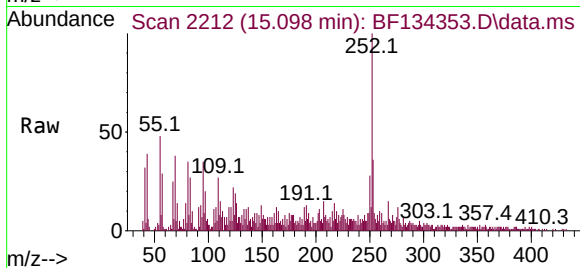
Tgt Ion:252 Resp: 54503

Ion Ratio Lower Upper

252 100

253 35.5 17.4 26.0#

125 18.9 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 8.996 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.035 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

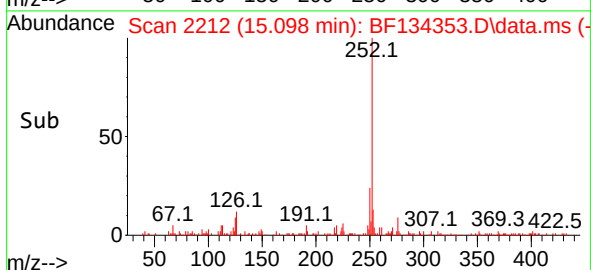
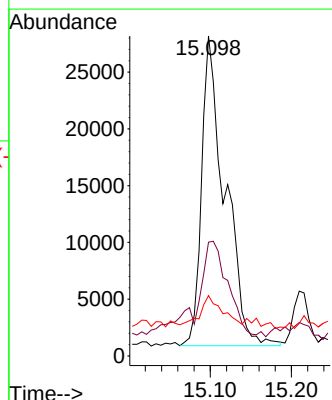
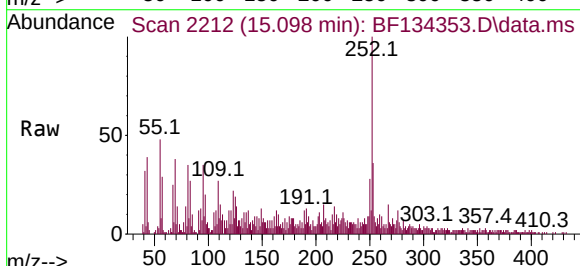
Tgt Ion:252 Resp: 54503

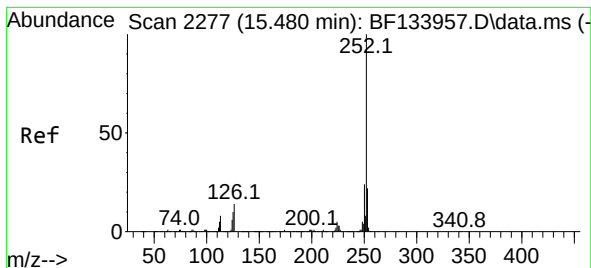
Ion Ratio Lower Upper

252 100

253 35.5 16.9 25.3#

125 18.9 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.658 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.000 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

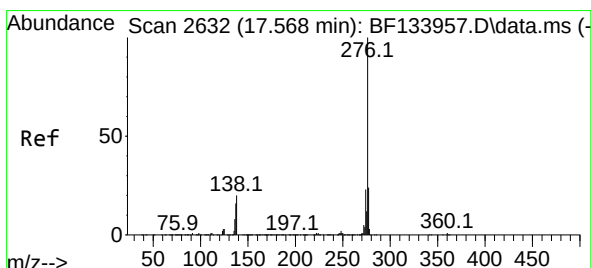
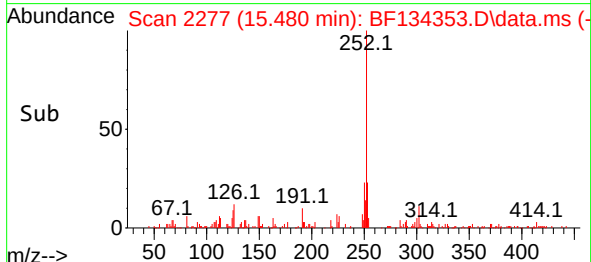
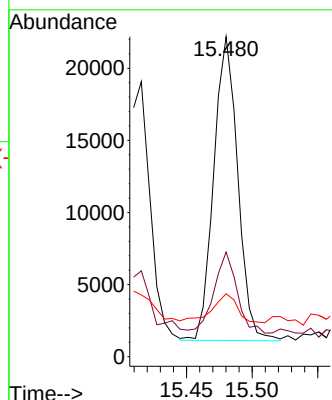
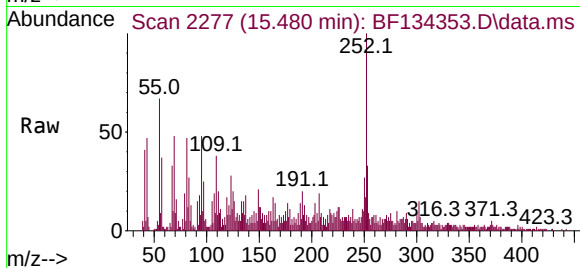
Tgt Ion:252 Resp: 26800

Ion Ratio Lower Upper

252 100

253 32.7 17.4 26.0#

125 19.6 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 3.293 ng

RT: 17.574 min Scan# 2633

Delta R.T. 0.006 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Tgt Ion:276 Resp: 19480

Ion Ratio Lower Upper

276 100

277 29.8 19.0 28.6#

138 17.7 16.2 24.2

