

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
 Data File : BF134277.D
 Acq On : 13 Jul 2023 23:53
 Operator : CG\JU
 Sample : 03358-04 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 14 01:58:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

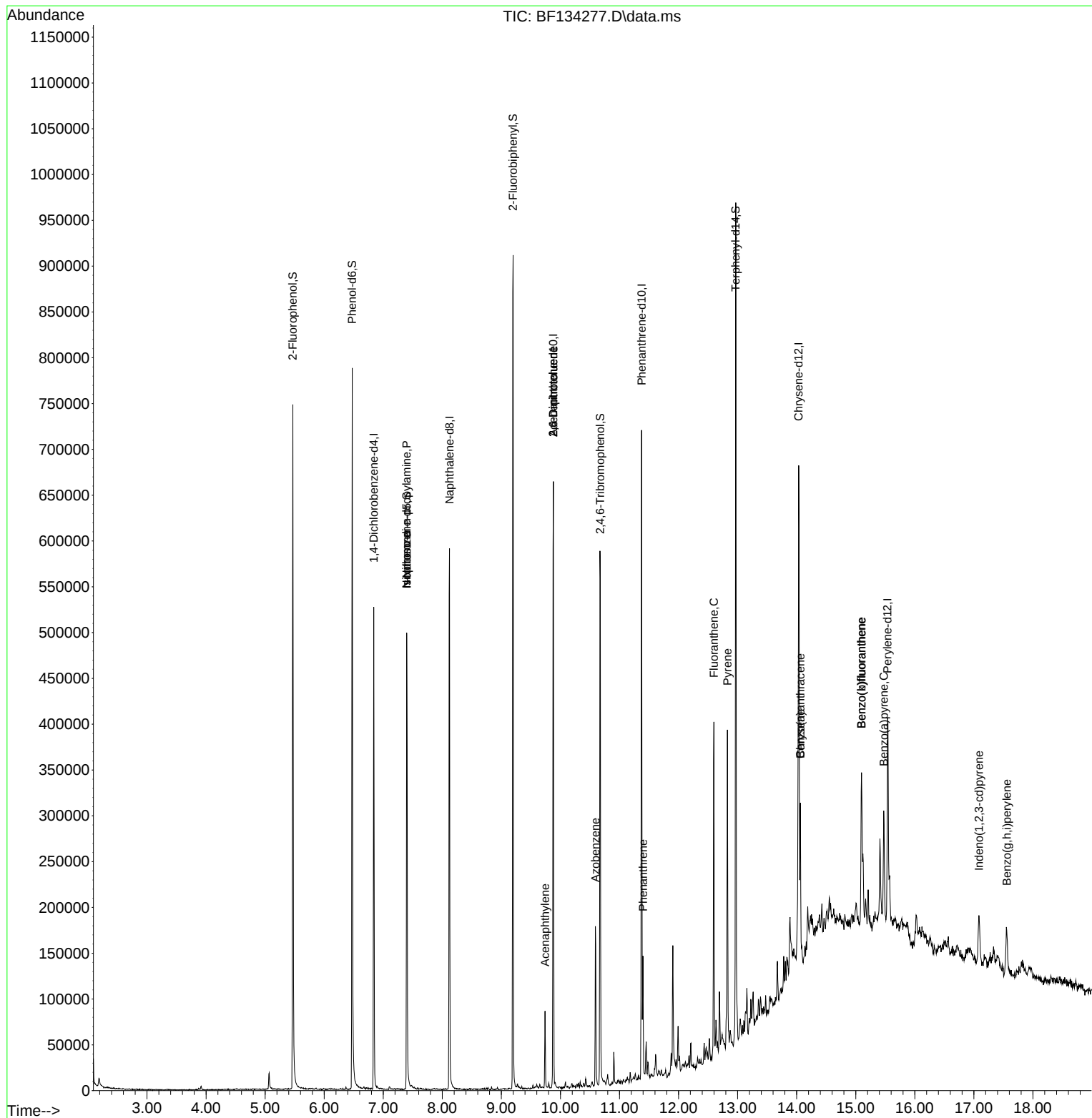
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	70320	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	260177	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	130655	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	244000	20.000	ng	0.00
76) Chrysene-d12	14.033	240	159374	20.000	ng	0.00
86) Perylene-d12	15.539	264	115594	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	188665	44.880	ng	0.00
7) Phenol-d6	6.475	99	219779	42.512	ng	-0.01
23) Nitrobenzene-d5	7.398	82	145709	30.189	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	72370	44.178	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	276587	30.778	ng	0.00
79) Terphenyl-d14	12.968	244	284297	28.709	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.475	77	557	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	20118	6.136	ng	# 79
25) Isophorone	7.398	82	145709	16.611	ng	# 64
49) Acenaphthylene	9.739	152	33233	2.537	ng	95
51) 2,6-Dinitrotoluene	9.880	165	16405	8.031	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	16405	6.081	ng	# 22
63) Azobenzene	10.592	77	31810	3.403	ng	# 1
71) Phenanthrene	11.398	178	42057	3.424	ng	98
75) Fluoranthene	12.598	202	146353	11.021	ng	96
78) Pyrene	12.827	202	132146	8.910	ng	97
81) Benzo(a)anthracene	14.063	228	75978	6.874	ng	98
83) Chrysene	14.063	228	75978	7.097	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	42853	5.343	ng	# 95
88) Benzo(b)fluoranthene	15.098	252	120432	17.718	ng	98
89) Benzo(k)fluoranthene	15.098	252	120432	17.402	ng	97
90) Benzo(a)pyrene	15.474	252	54663	8.317	ng	94
92) Benzo(g,h,i)perylene	17.556	276	44243	6.549	ng	97

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

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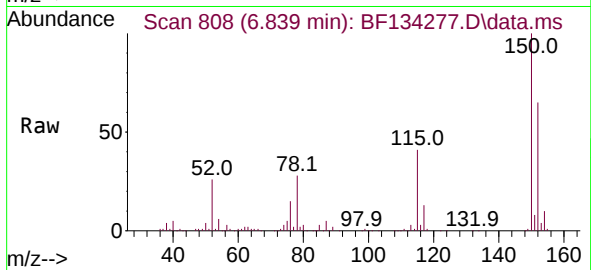
Quant Time: Jul 14 01:58:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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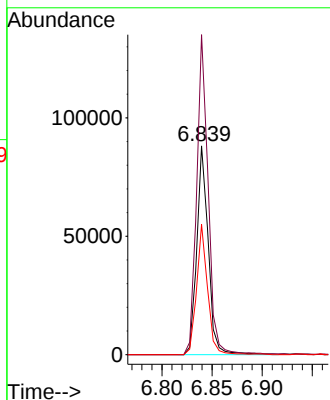
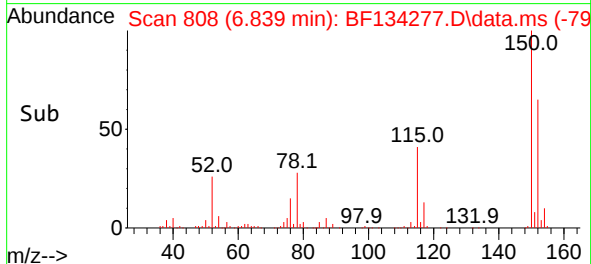


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

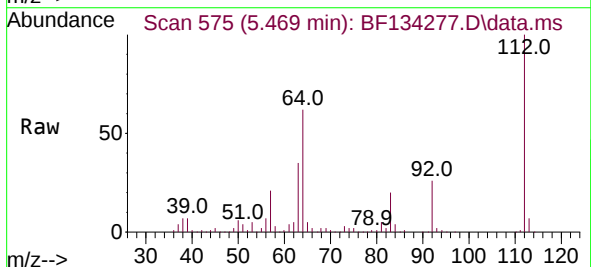
Instrument :
BNA_F
ClientSampleId :



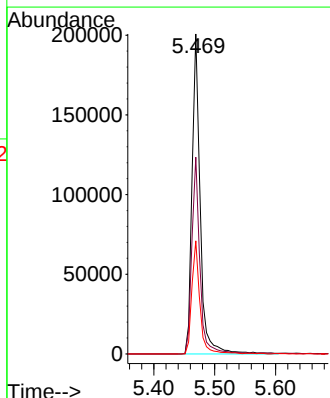
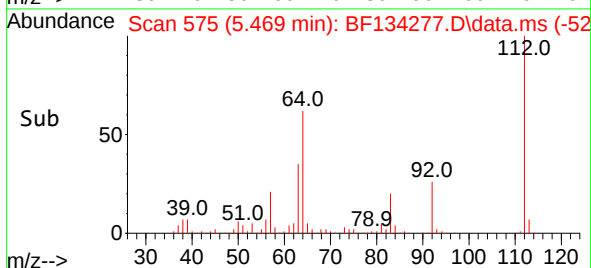
Tgt Ion:152 Resp: 70320
Ion Ratio Lower Upper
152 100
150 153.3 124.5 186.7
115 62.3 50.2 75.2



#5
2-Fluorophenol
Concen: 44.880 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53



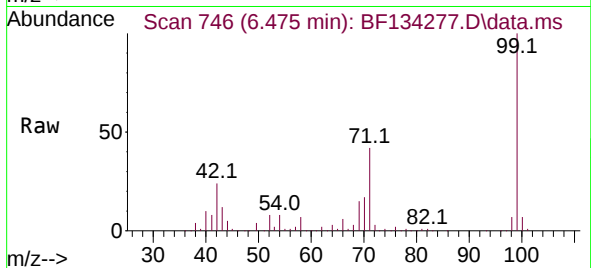
Tgt Ion:112 Resp: 188665
Ion Ratio Lower Upper
112 100
64 61.5 52.1 78.1
63 35.3 28.6 42.8



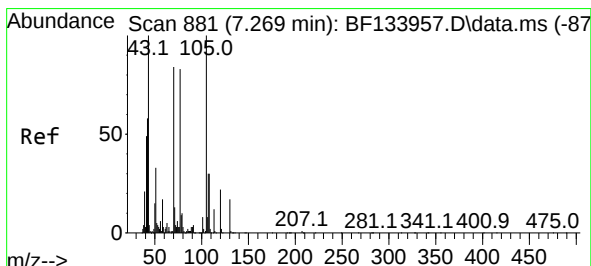
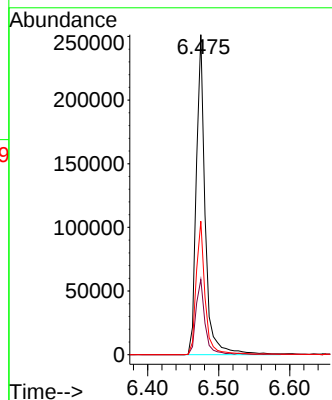
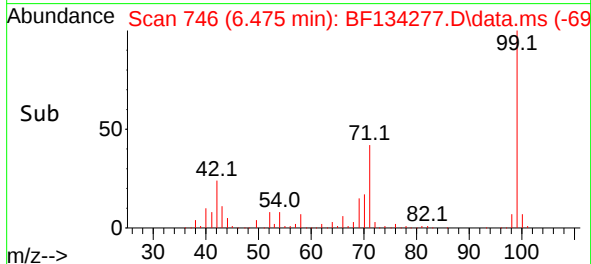


#7
Phenol-d6
Concen: 42.512 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

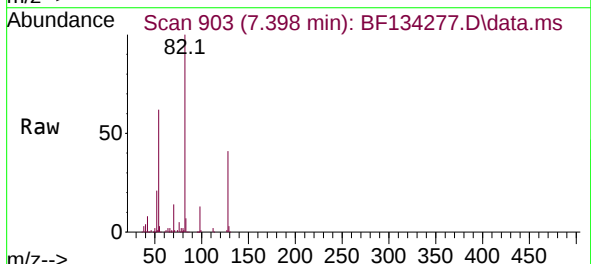
Instrument :
BNA_F
ClientSampleId :



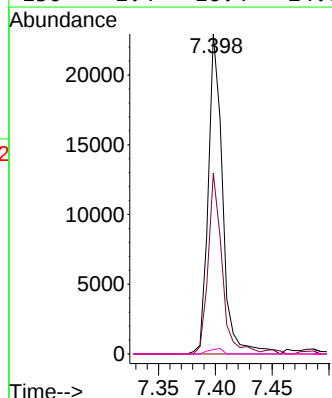
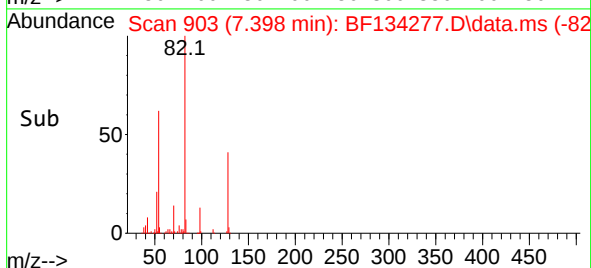
Tgt Ion: 99 Resp: 219779
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 41.7 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 6.136 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53



Tgt Ion: 70 Resp: 20118
Ion Ratio Lower Upper
70 100
42 56.5 54.7 82.1
101 0.0 7.7 11.5#
130 1.4 16.4 24.6#



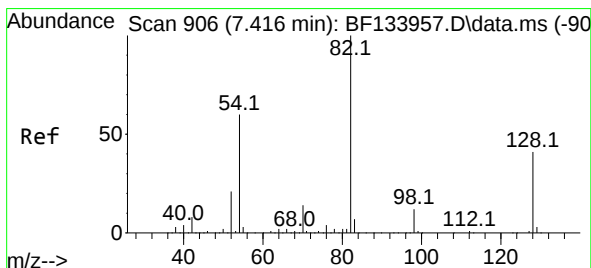
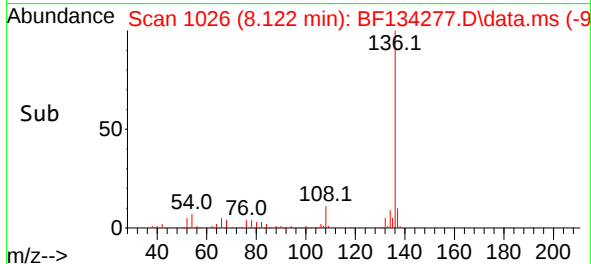
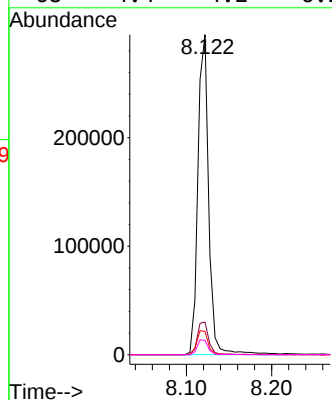
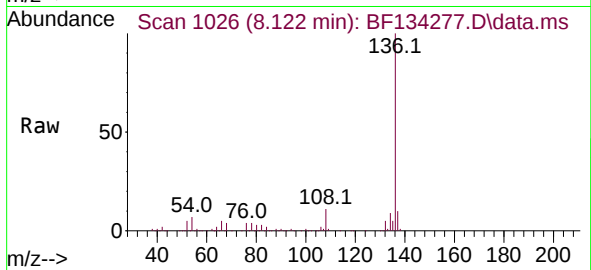


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 260177

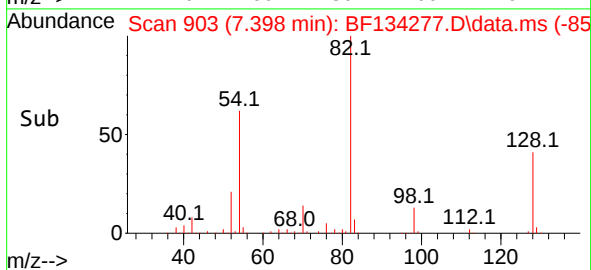
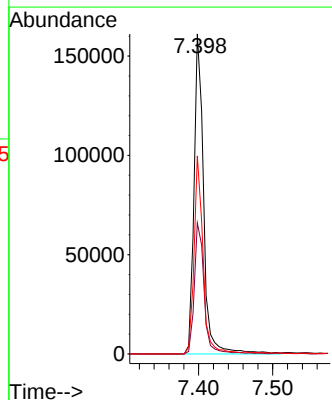
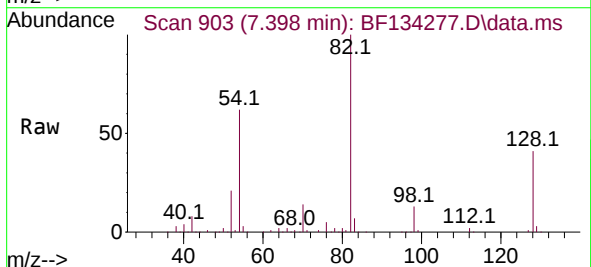
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	12.8
54	7.2	6.5	9.7
68	4.4	4.2	6.2

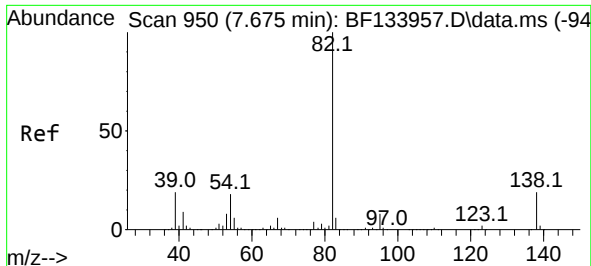


#23
Nitrobenzene-d5
Concen: 30.189 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

Tgt Ion: 82 Resp: 145709

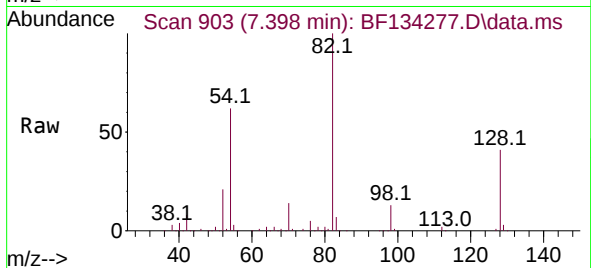
Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.5	48.7
54	61.9	48.2	72.2



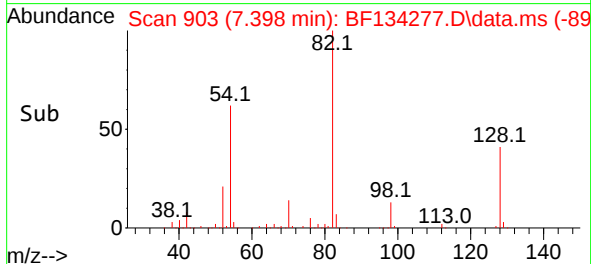
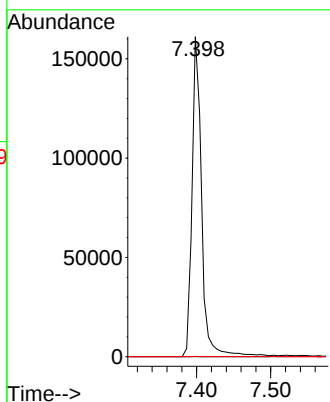


#25
Isophorone
Concen: 16.611 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

Instrument :
BNA_F
ClientSampleId :

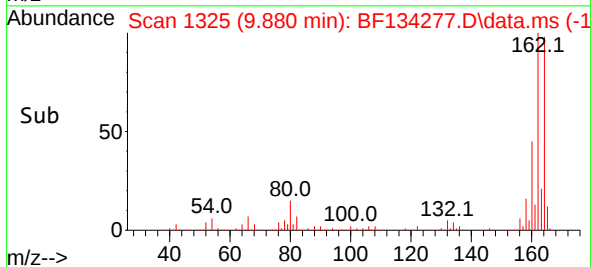
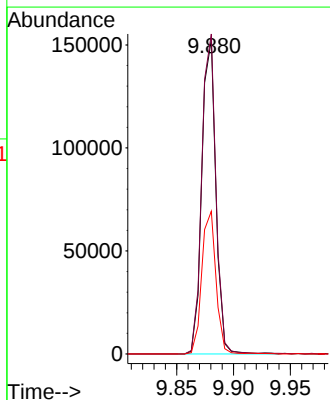
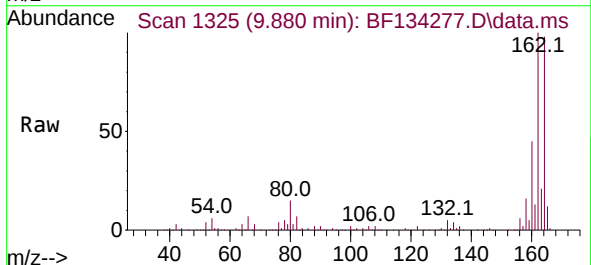


Tgt Ion: 82 Resp: 145709
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

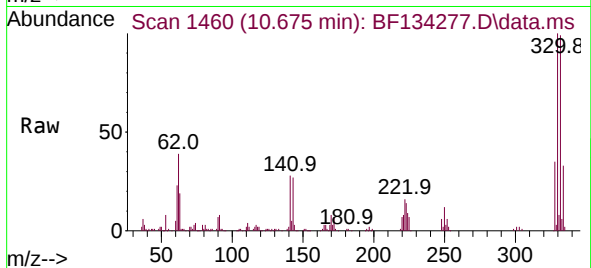
Tgt Ion: 164 Resp: 130655
Ion Ratio Lower Upper
164 100
162 101.8 80.0 120.0
160 45.4 35.9 53.9



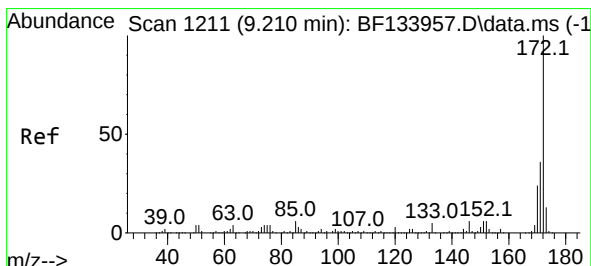
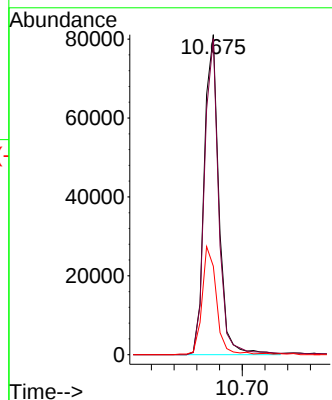
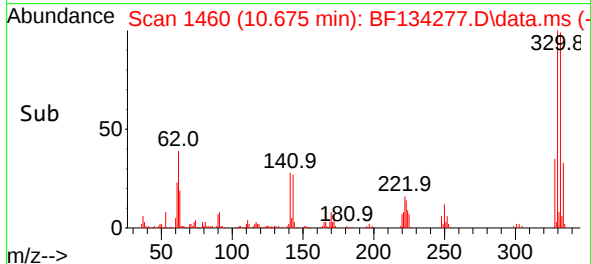


#42
 2,4,6-Tribromophenol
 Concen: 44.178 ng
 RT: 10.675 min Scan# 1460
 Delta R.T. -0.006 min
 Lab File: BF134277.D
 Acq: 13 Jul 2023 23:53

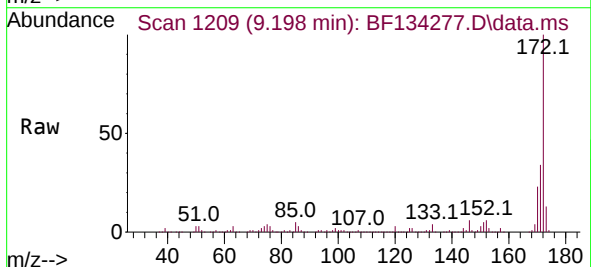
Instrument :
 BNA_F
 ClientSampleId :



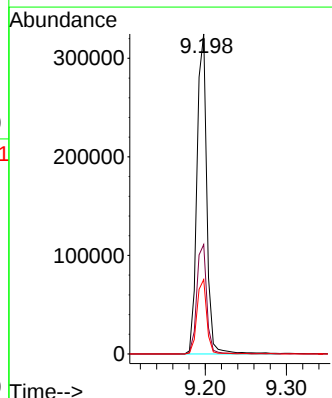
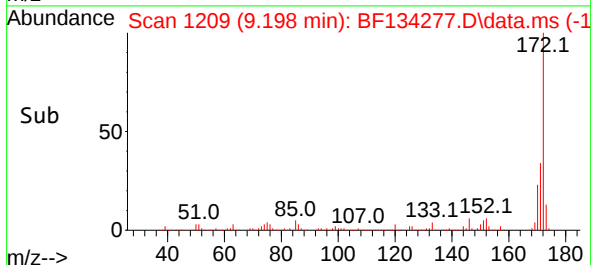
Tgt Ion: 330 Resp: 72370
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 33.4 26.3 39.5

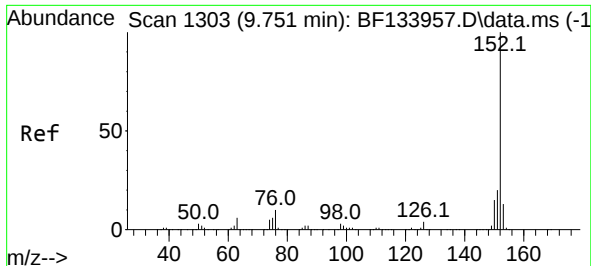


#45
 2-Fluorobiphenyl
 Concen: 30.778 ng
 RT: 9.198 min Scan# 1209
 Delta R.T. -0.006 min
 Lab File: BF134277.D
 Acq: 13 Jul 2023 23:53



Tgt Ion: 172 Resp: 276587
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.6 43.0
 170 23.3 19.4 29.0





#49

Acenaphthylene

Concen: 2.537 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.006 min

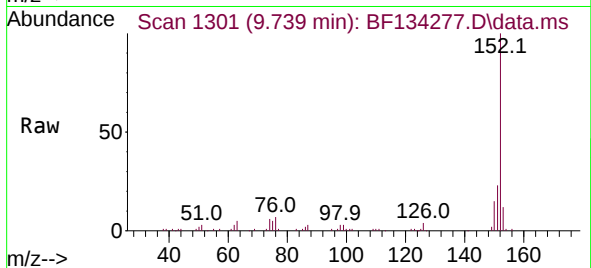
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Acq: 13 Jul 2023 23:53

Instrument :

BNA_F

ClientSampleId :



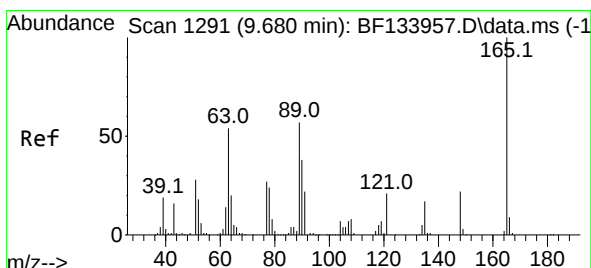
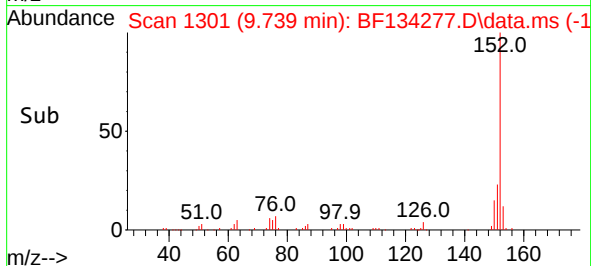
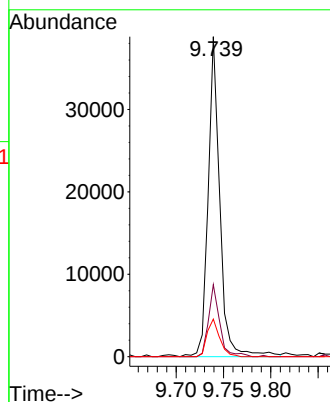
Tgt Ion:152 Resp: 33233

Ion Ratio Lower Upper

152 100

151 22.5 16.2 24.2

153 11.7 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 8.031 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

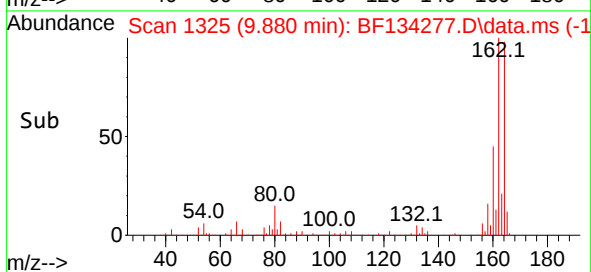
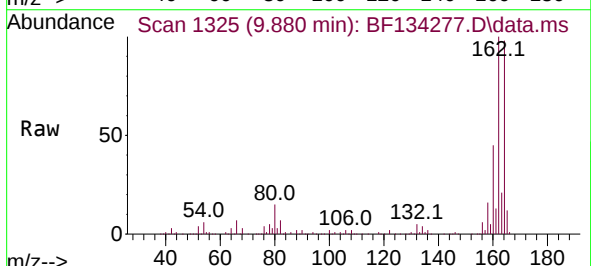
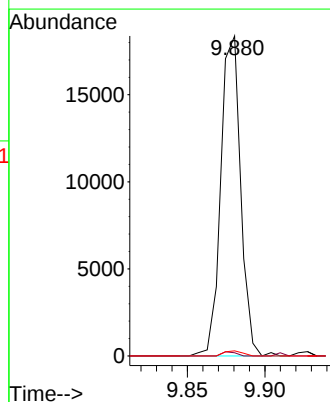
Tgt Ion:165 Resp: 16405

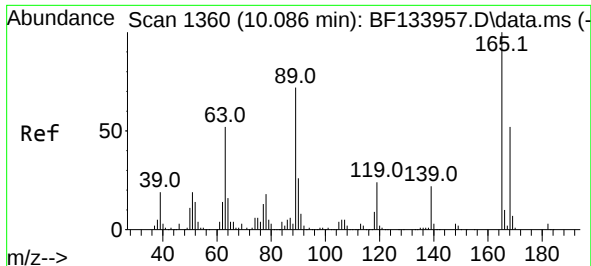
Ion Ratio Lower Upper

165 100

63 1.0 48.5 72.7#

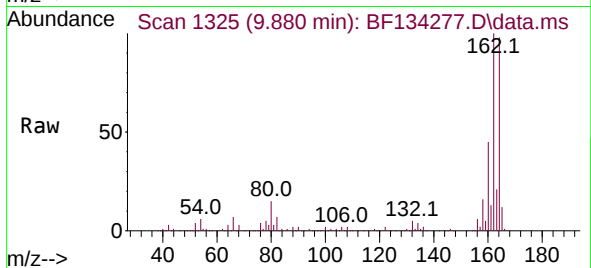
89 1.6 45.5 68.3#



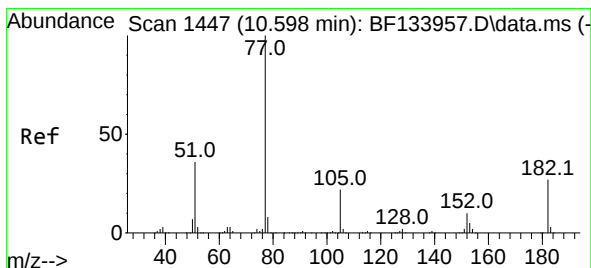
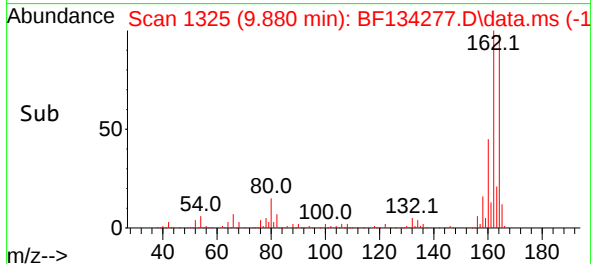
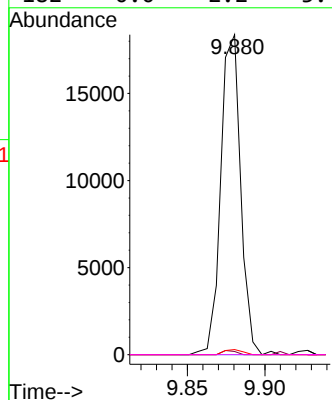


#57
2,4-Dinitrotoluene
Concen: 6.081 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

Instrument :
BNA_F
ClientSampleId :

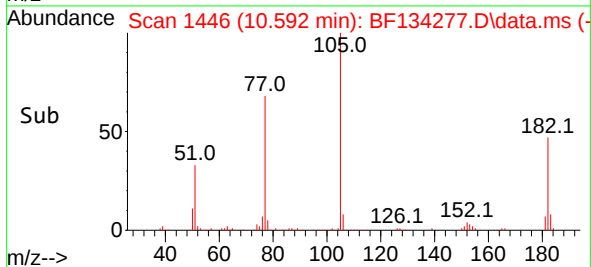
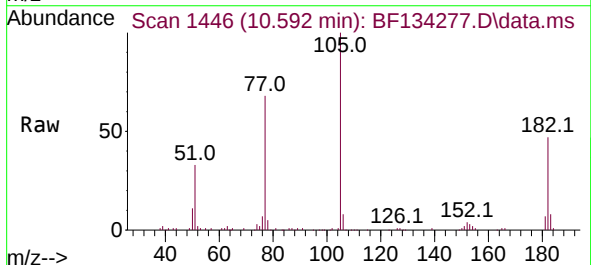
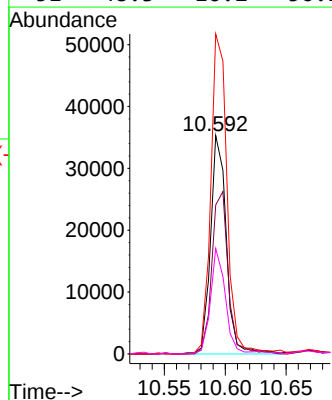


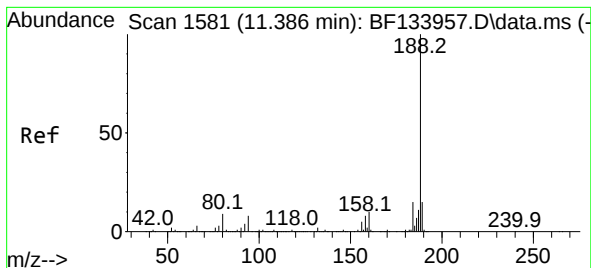
Tgt Ion:165 Resp: 16405
Ion Ratio Lower Upper
165 100
63 1.0 42.2 63.2#
89 1.6 57.4 86.2#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 3.403 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

Tgt Ion: 77 Resp: 31810
Ion Ratio Lower Upper
77 100
182 68.2 6.8 46.8#
105 146.6 2.3 42.3#
51 48.3 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

Instrument :

BNA_F

ClientSampleId :

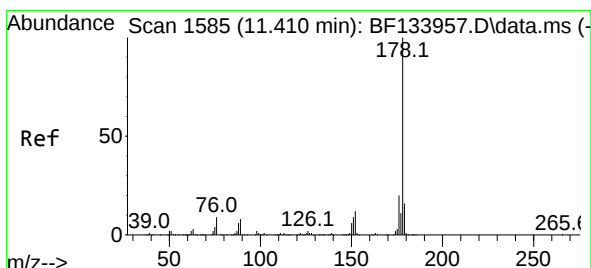
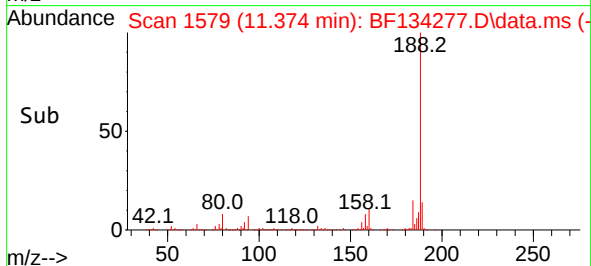
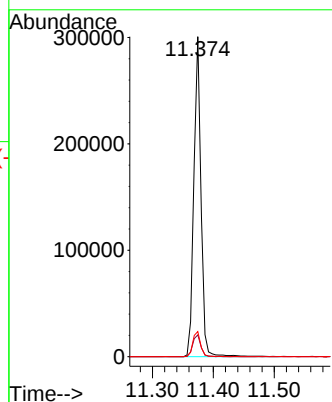
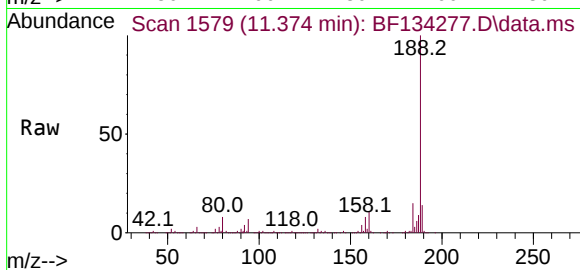
Tgt Ion:188 Resp: 244000

Ion Ratio Lower Upper

188 100

94 6.8 6.4 9.6

80 7.8 7.3 10.9



#71

Phenanthrene

Concen: 3.424 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

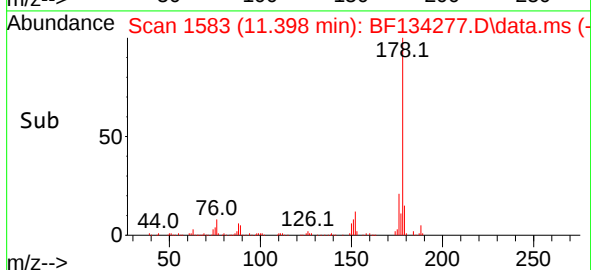
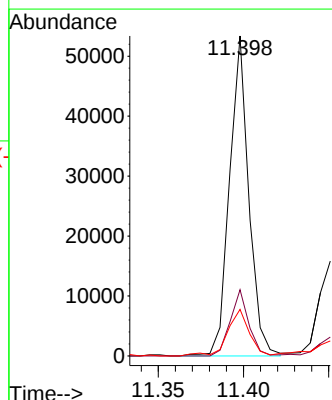
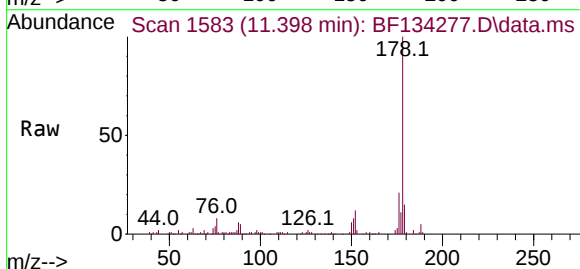
Tgt Ion:178 Resp: 42057

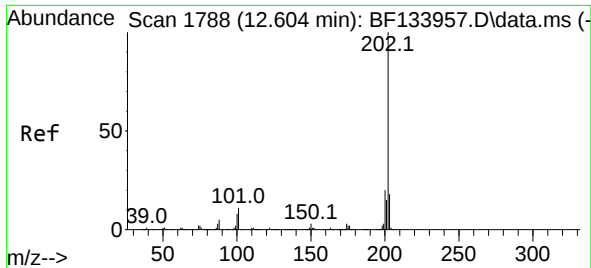
Ion Ratio Lower Upper

178 100

176 20.7 16.0 24.0

179 14.5 12.4 18.6

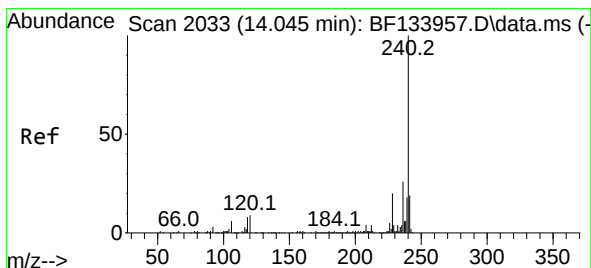
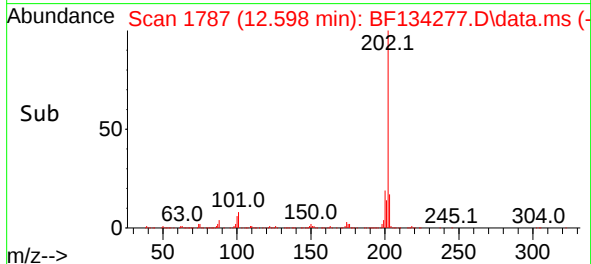
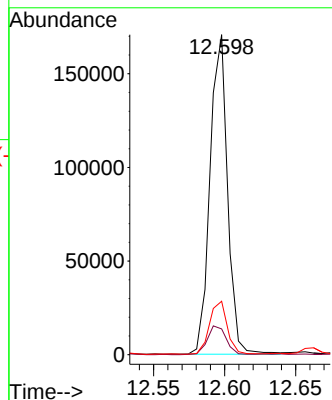
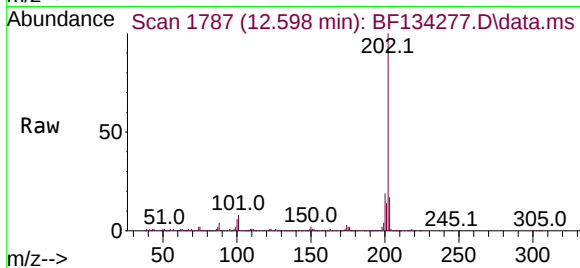




#75
Fluoranthene
Concen: 11.021 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

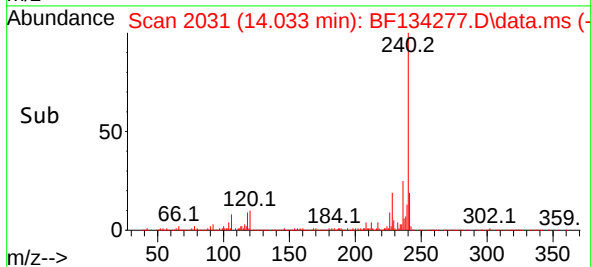
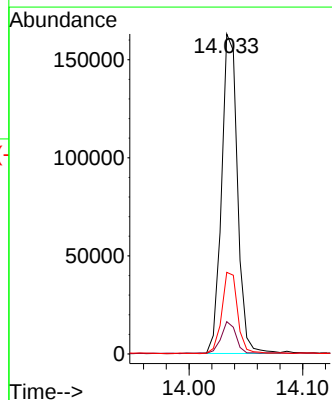
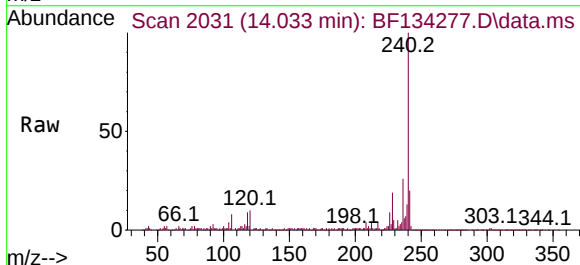
Instrument :
BNA_F
ClientSampleId :

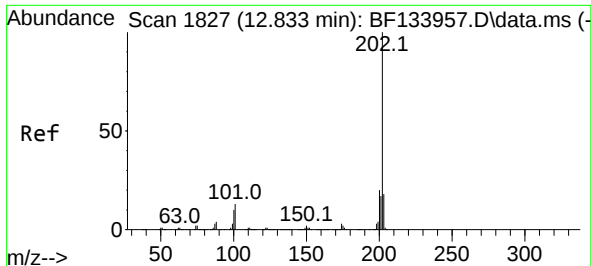
Tgt Ion:202 Resp: 146353
Ion Ratio Lower Upper
202 100
101 8.0 0.0 31.0
203 16.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

Tgt Ion:240 Resp: 159374
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.0
236 25.5 21.0 31.6

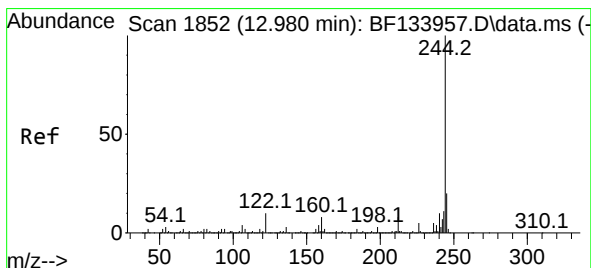
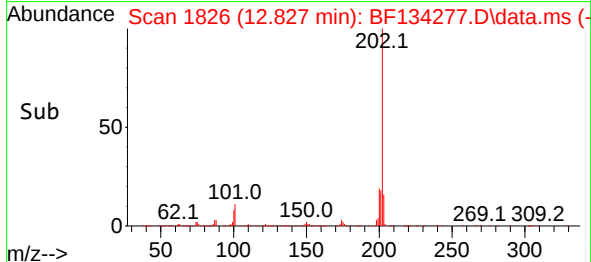
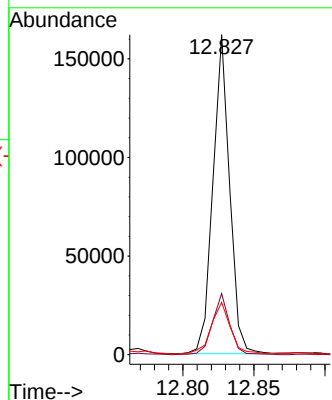
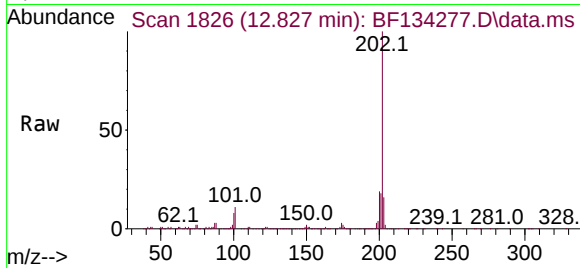




#78
Pyrene
Concen: 8.910 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

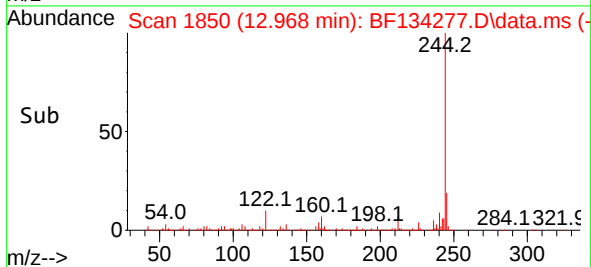
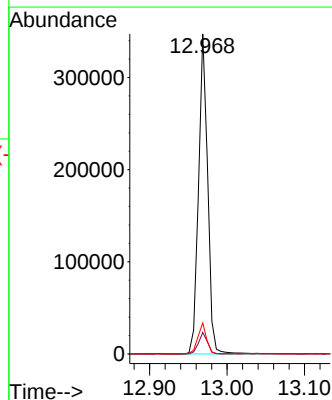
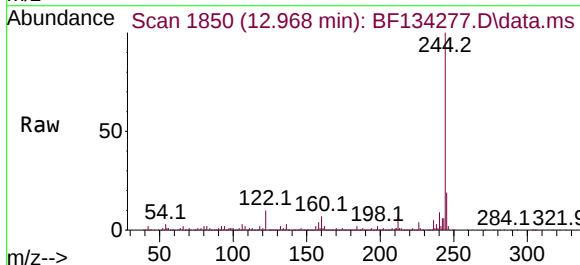
Instrument :
BNA_F
ClientSampleId :

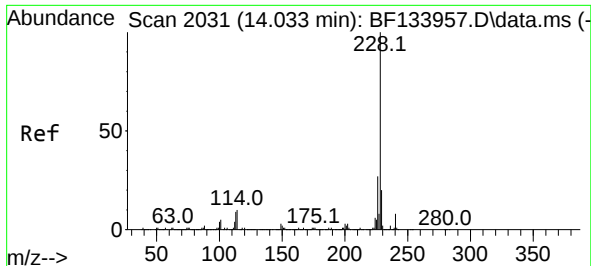
Tgt Ion:202 Resp: 132146
Ion Ratio Lower Upper
202 100
200 19.1 16.1 24.1
203 16.4 14.3 21.5



#79
Terphenyl-d14
Concen: 28.709 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

Tgt Ion:244 Resp: 284297
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 9.7 8.3 12.5

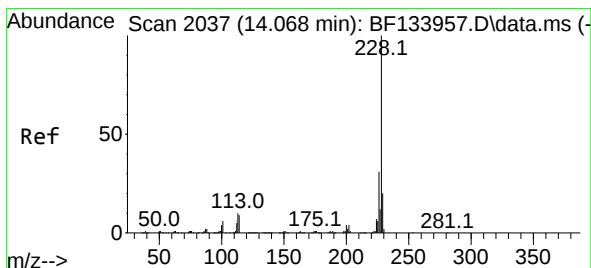
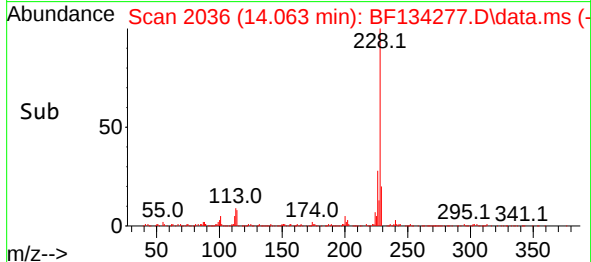
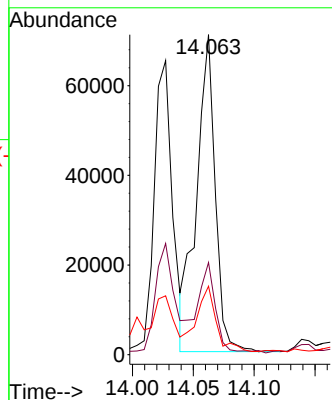
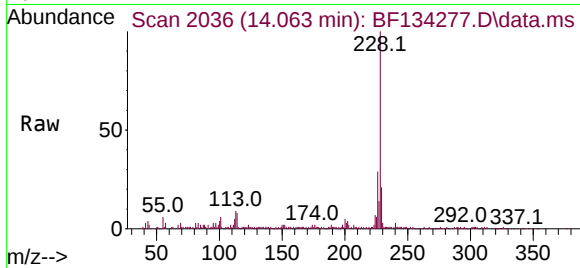




#81
Benzo(a)anthracene
Concen: 6.874 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.029 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

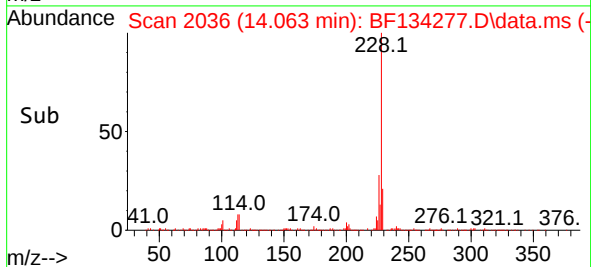
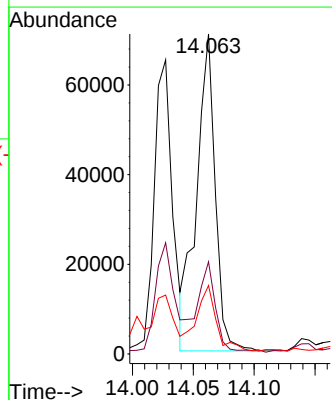
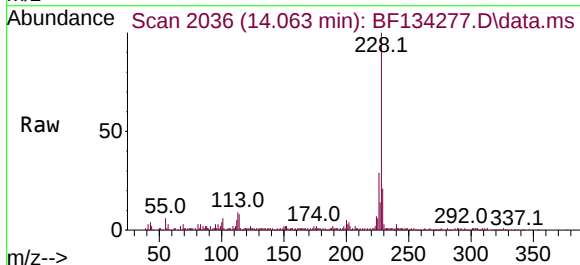
Instrument :
BNA_F
ClientSampleId :

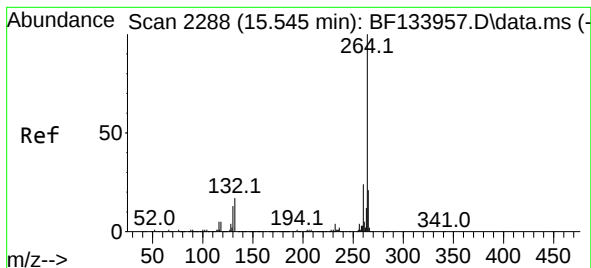
Tgt Ion:228 Resp: 75978
Ion Ratio Lower Upper
228 100
226 28.8 22.0 33.0
229 21.4 16.3 24.5



#83
Chrysene
Concen: 7.097 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134277.D
Acq: 13 Jul 2023 23:53

Tgt Ion:228 Resp: 75978
Ion Ratio Lower Upper
228 100
226 28.8 24.4 36.6
229 21.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

Instrument :

BNA_F

ClientSampleId :

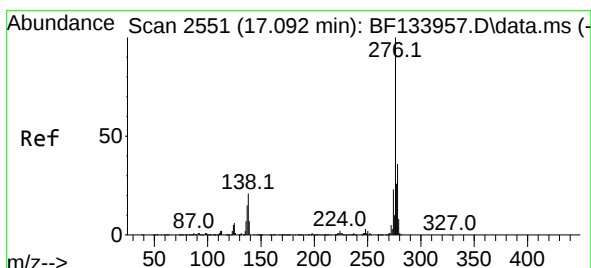
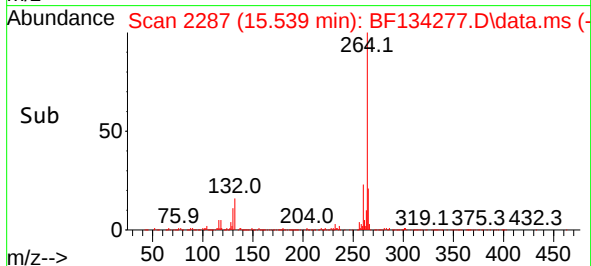
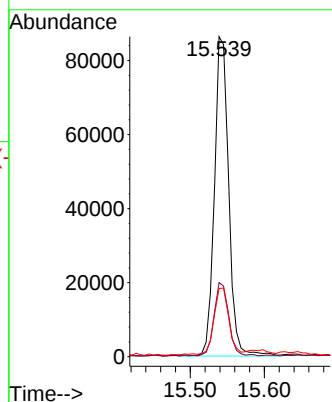
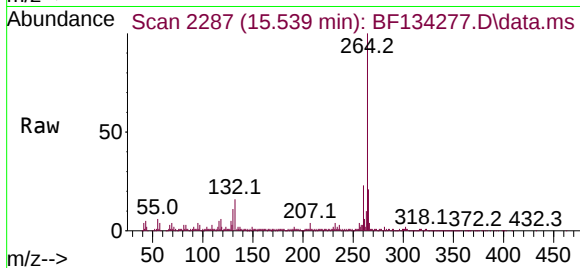
Tgt Ion:264 Resp: 115594

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 21.3 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.343 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.012 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

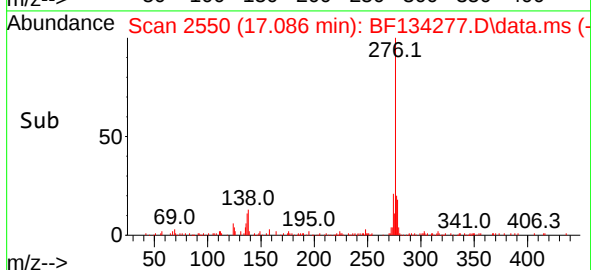
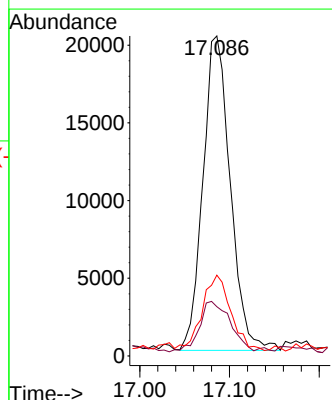
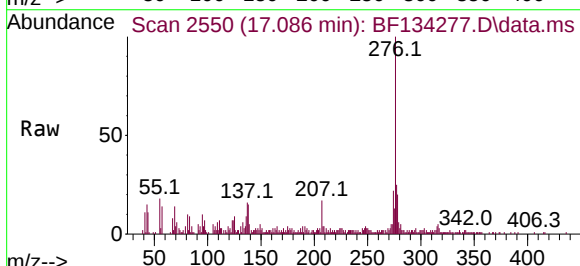
Tgt Ion:276 Resp: 42853

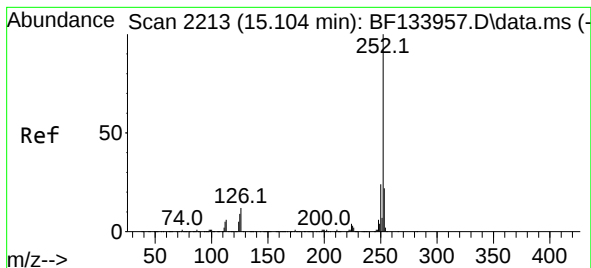
Ion Ratio Lower Upper

276 100

138 18.0 18.7 28.1#

277 24.9 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 17.718 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

Instrument :

BNA_F

ClientSampleId :

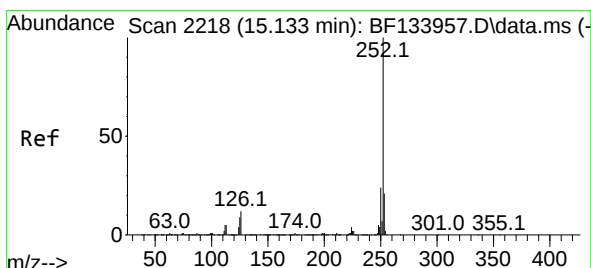
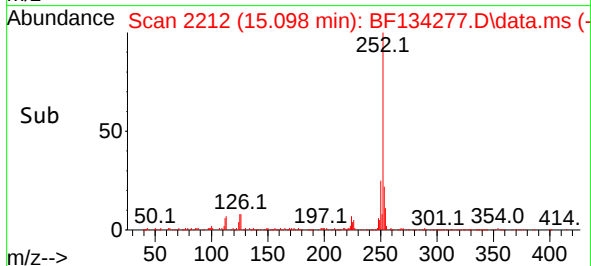
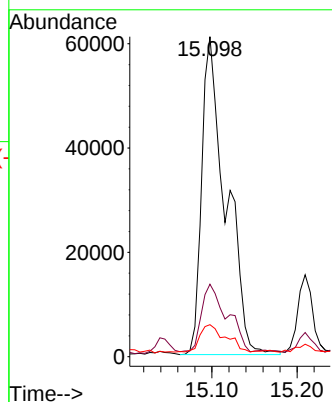
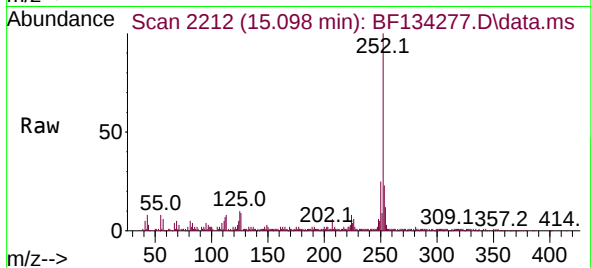
Tgt Ion:252 Resp: 120432

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 10.0 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 17.402 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.035 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

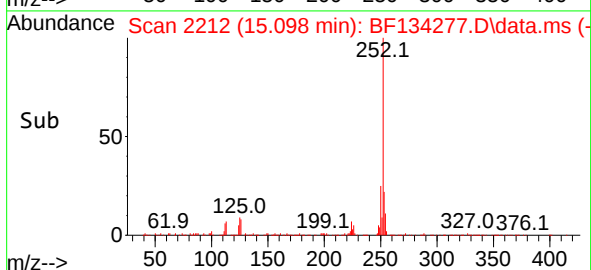
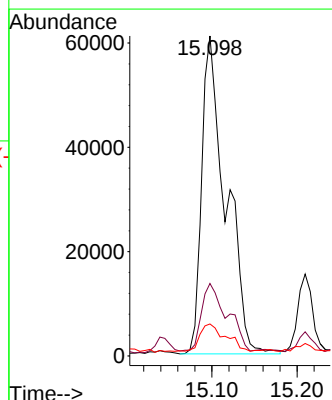
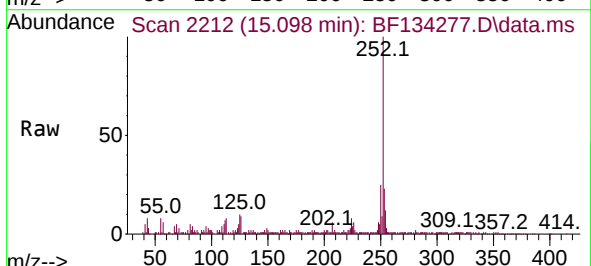
Tgt Ion:252 Resp: 120432

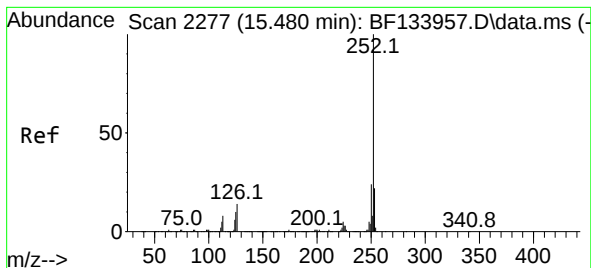
Ion Ratio Lower Upper

252 100

253 22.7 16.9 25.3

125 10.0 7.4 11.2





#90

Benzo(a)pyrene

Concen: 8.317 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

Instrument :

BNA_F

ClientSampleId :

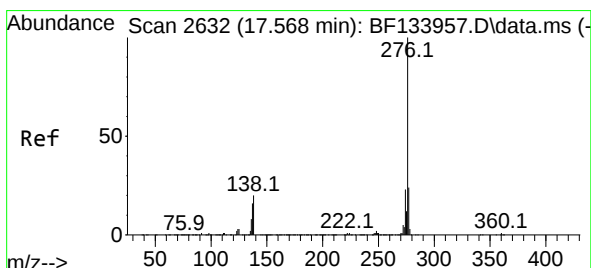
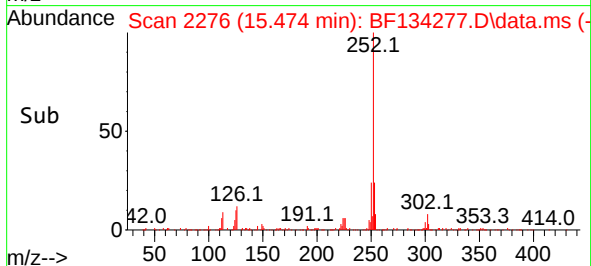
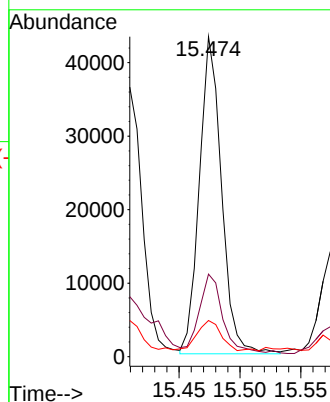
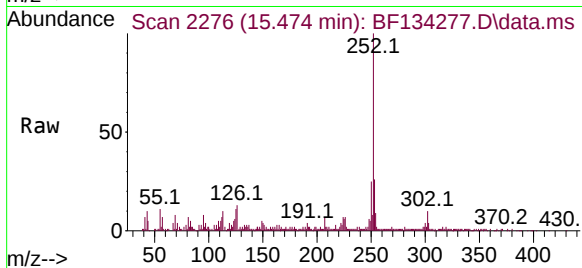
Tgt Ion:252 Resp: 54663

Ion Ratio Lower Upper

252 100

253 25.8 17.4 26.0

125 11.3 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 6.549 ng

RT: 17.556 min Scan# 2630

Delta R.T. -0.012 min

Lab File: BF134277.D

Acq: 13 Jul 2023 23:53

Tgt Ion:276 Resp: 44243

Ion Ratio Lower Upper

276 100

277 25.1 19.0 28.6

138 21.4 16.2 24.2

