

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134348.D
 Acq On : 18 Jul 2023 20:51
 Operator : CG\JU
 Sample : 03597-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-50-(0-2)

Quant Time: Jul 19 01:41:50 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)

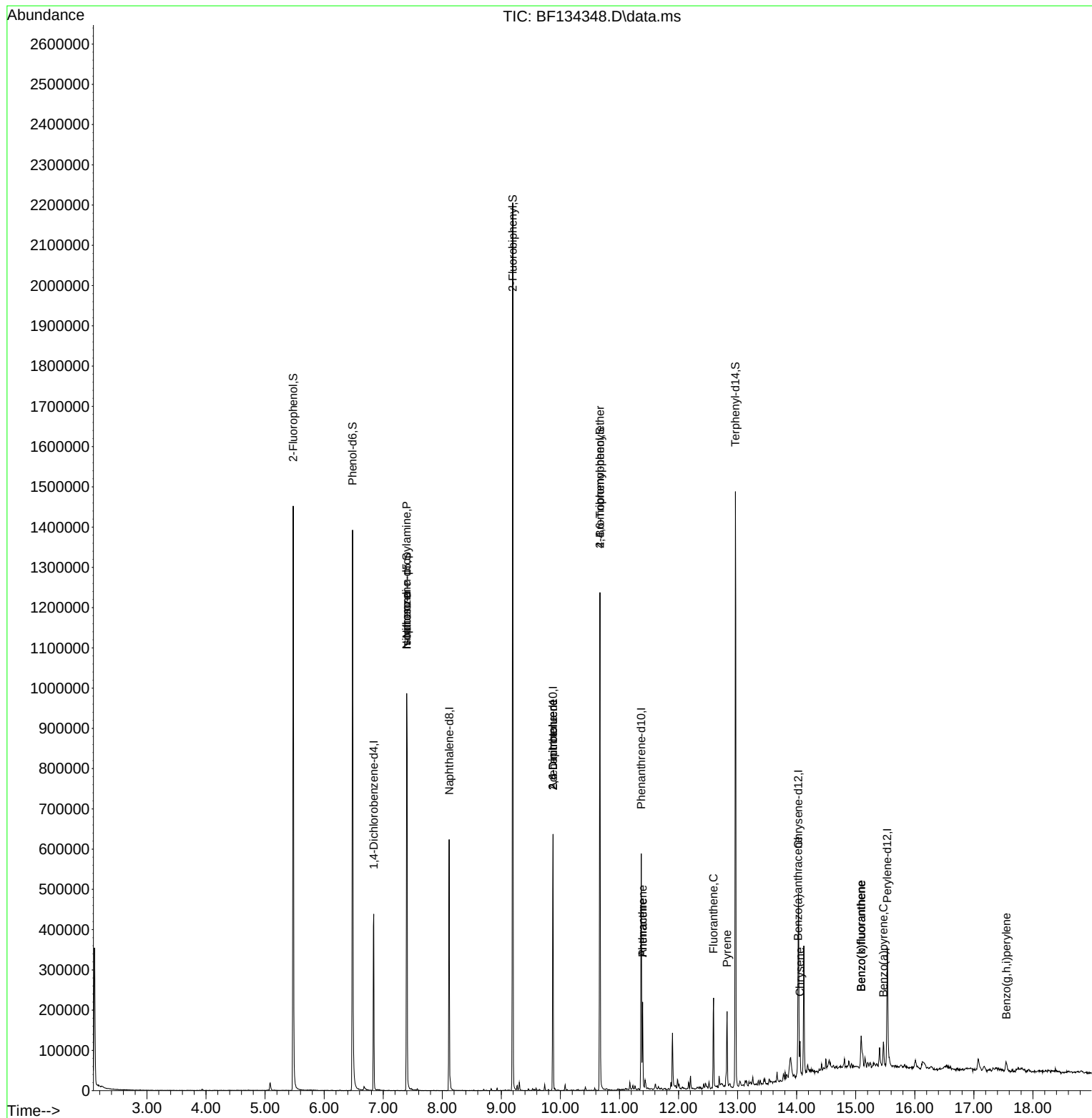
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	63232	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	242440	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	118195	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	200735	20.000	ng	0.00
76) Chrysene-d12	14.027	240	140920	20.000	ng	-0.01
86) Perylene-d12	15.533	264	147149	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	362986	96.026	ng	0.00
7) Phenol-d6	6.481	99	433176	93.181	ng	0.00
23) Nitrobenzene-d5	7.398	82	299682	66.633	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	143885	97.093	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	574484	70.666	ng	-0.01
79) Terphenyl-d14	12.963	244	507403	57.949	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	718	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	43995	14.923	ng	# 77
25) Isophorone	7.398	82	299679	36.663	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	15586	8.434	ng	# 24
57) 2,4-Dinitrotoluene	9.875	165	15586	6.387	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	8500	3.984	ng	# 1
71) Phenanthrene	11.392	178	70621	6.988	ng	97
72) Anthracene	11.392	178	70621	6.719	ng	98
75) Fluoranthene	12.592	202	88570	8.107	ng	95
78) Pyrene	12.822	202	76668	5.846	ng	99
81) Benzo(a)anthracene	14.022	228	31986	3.273	ng	94
83) Chrysene	14.057	228	33175	3.505	ng	96
88) Benzo(b)fluoranthene	15.092	252	54839	6.338	ng	97
89) Benzo(k)fluoranthene	15.092	252	54839	6.225	ng	97
90) Benzo(a)pyrene	15.468	252	28897	3.454	ng	96
92) Benzo(g,h,i)perylene	17.551	276	18237	2.120	ng	97

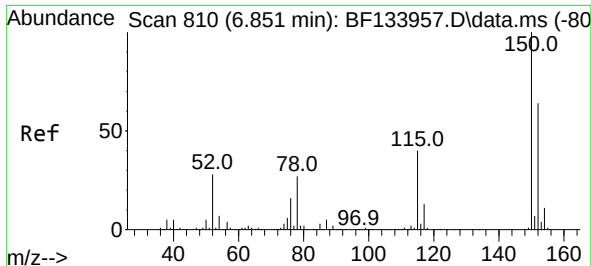
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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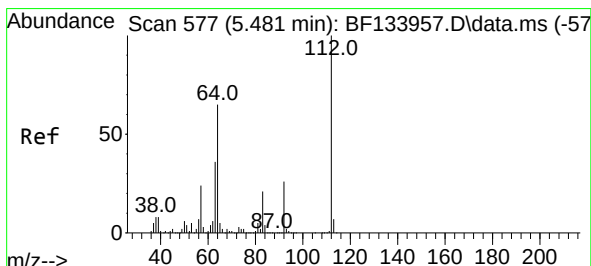
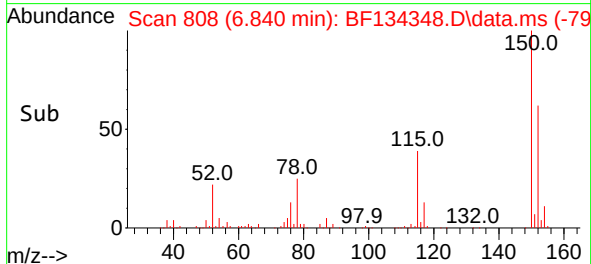
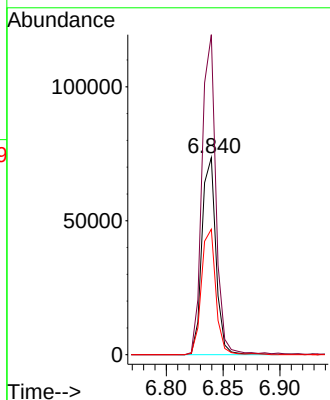
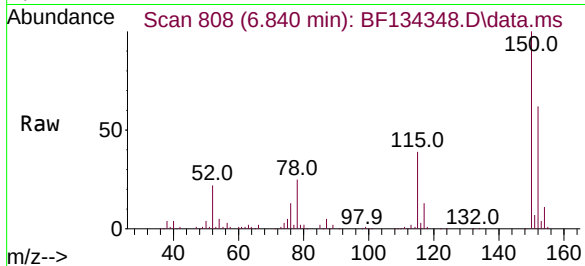




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

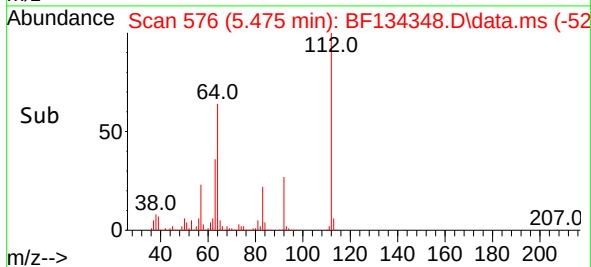
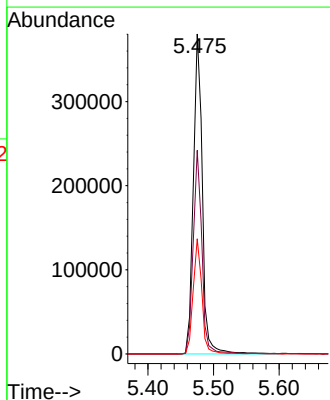
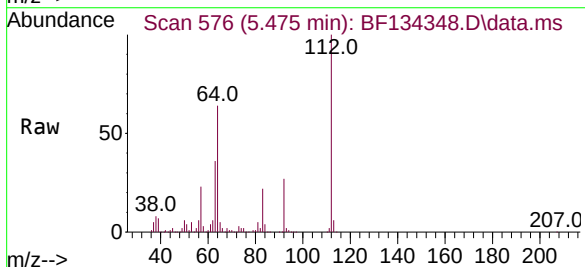
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

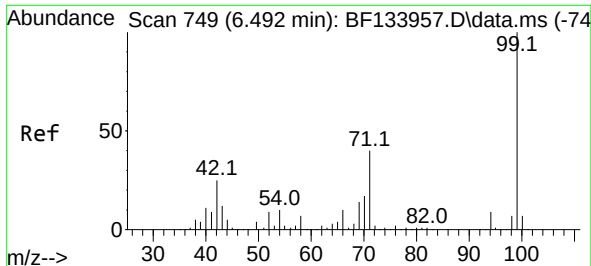
Tgt Ion:152 Resp: 63232
Ion Ratio Lower Upper
152 100
150 162.4 124.5 186.7
115 63.7 50.2 75.2



#5
2-Fluorophenol
Concen: 96.026 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion:112 Resp: 362986
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 36.0 28.6 42.8

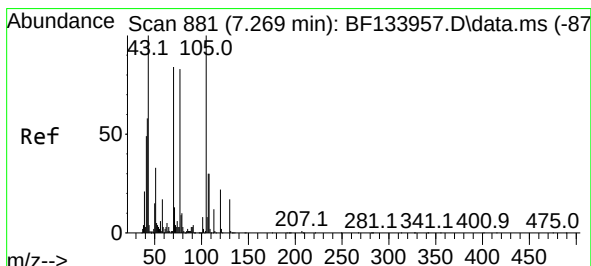
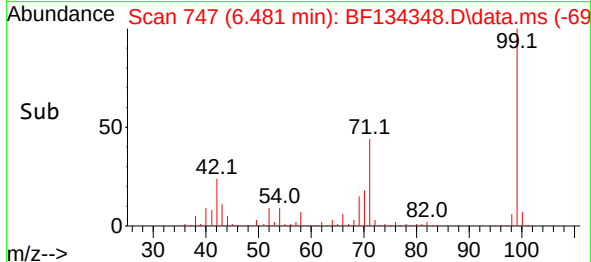
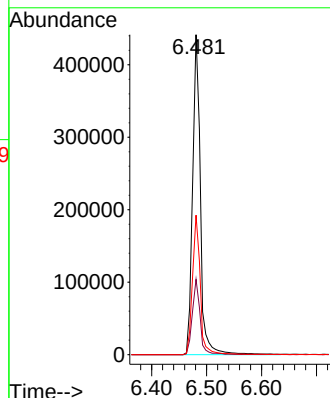
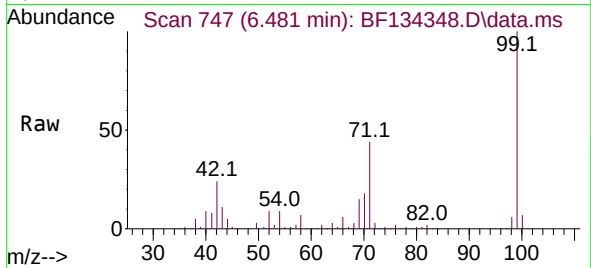




#7
Phenol-d6
Concen: 93.181 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

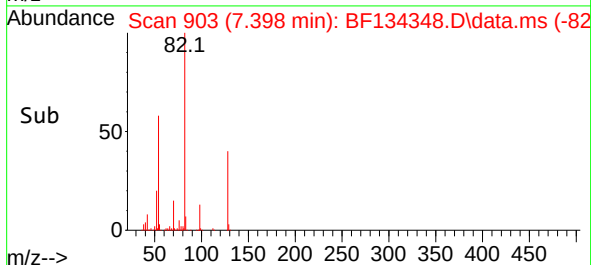
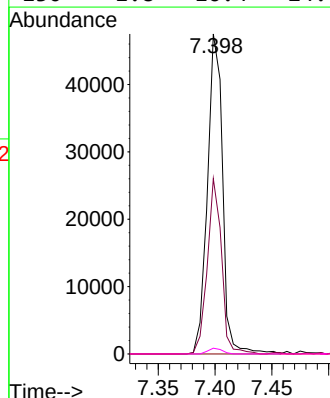
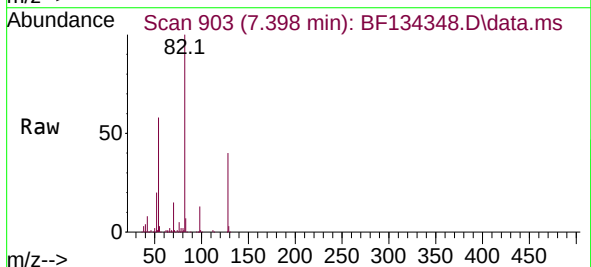
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

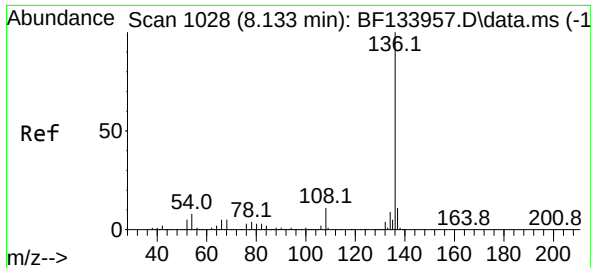
Tgt Ion: 99 Resp: 433176
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.6
71 43.6 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.923 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion: 70 Resp: 43995
Ion Ratio Lower Upper
70 100
42 54.8 54.7 82.1
101 0.0 7.7 11.5#
130 1.8 16.4 24.6#



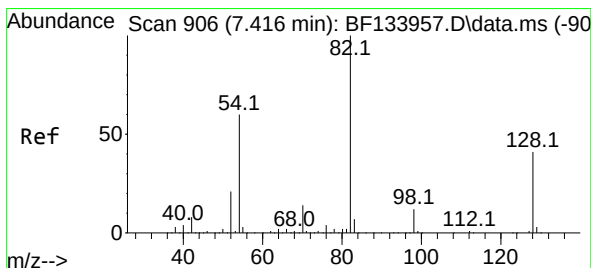
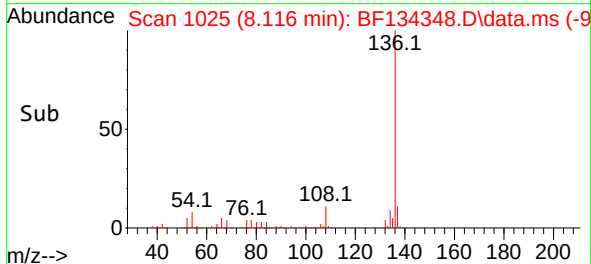
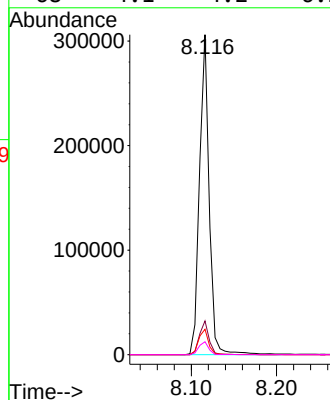
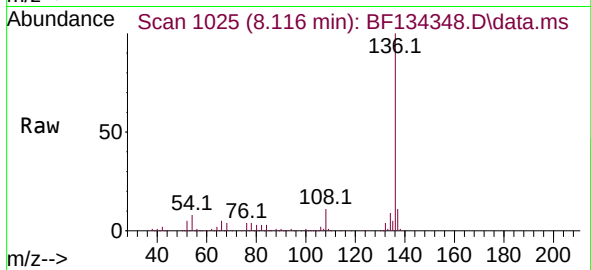


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

Tgt Ion:136 Resp: 242440

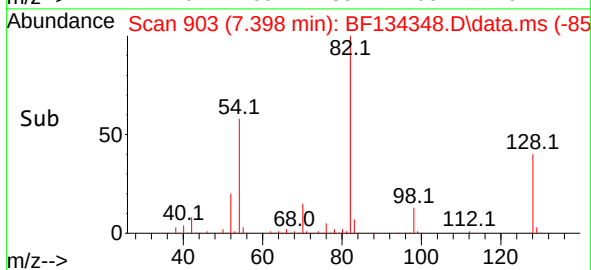
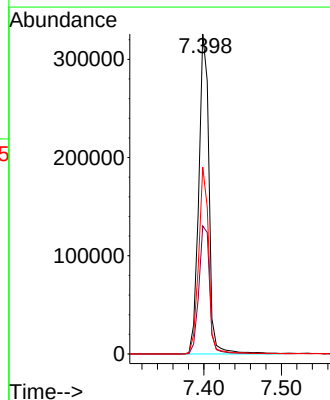
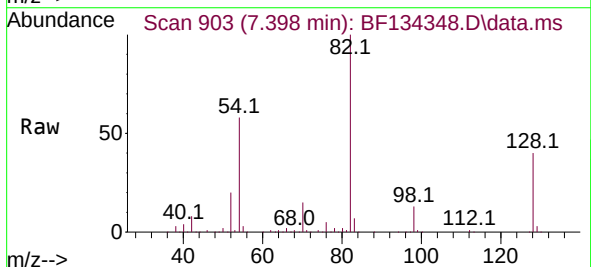
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	7.9	6.5	9.7
68	4.1	4.2	6.2

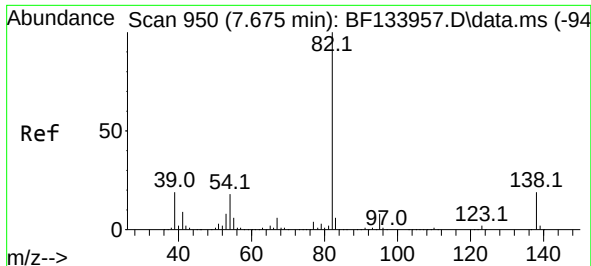


#23
Nitrobenzene-d5
Concen: 66.633 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion: 82 Resp: 299682

Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.5	48.7
54	58.4	48.2	72.2

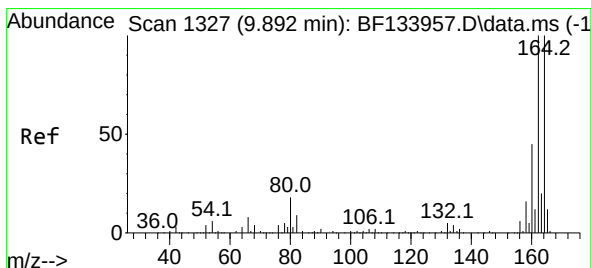
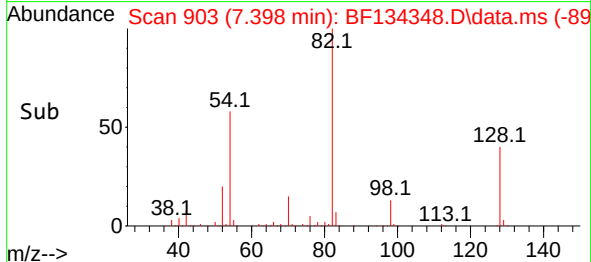
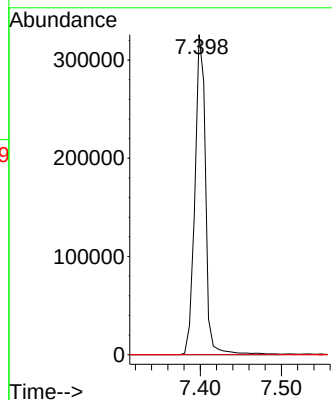
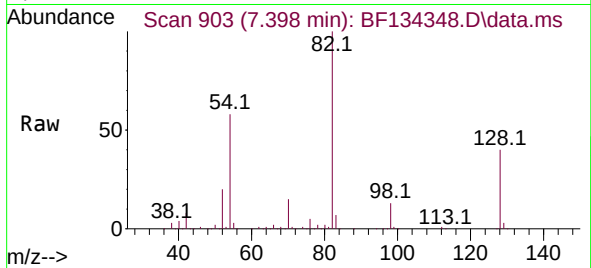




#25
Isophorone
Concen: 36.663 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

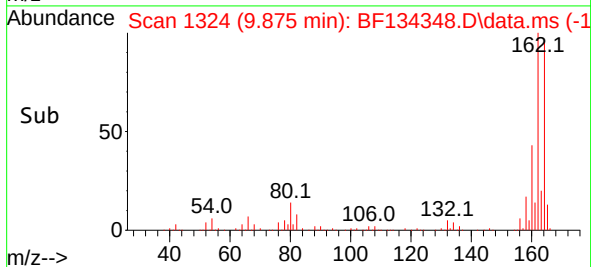
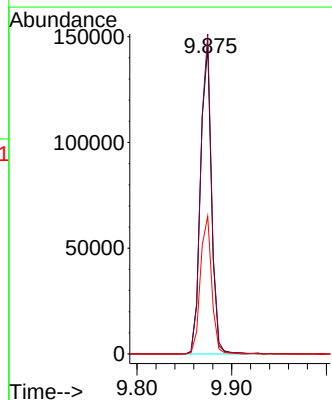
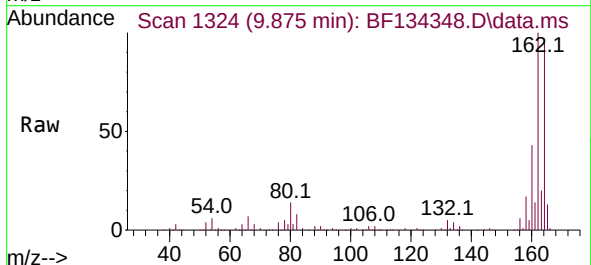
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

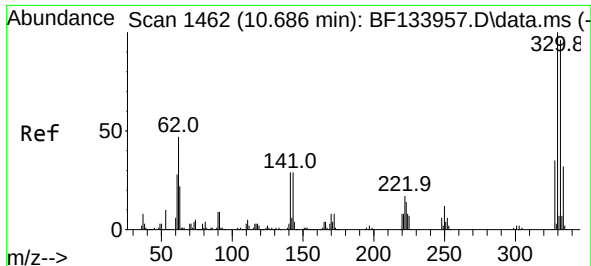
Tgt Ion: 82 Resp: 299679
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion: 164 Resp: 118195
Ion Ratio Lower Upper
164 100
162 104.1 80.0 120.0
160 44.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 97.093 ng

RT: 10.669 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF134348.D

Acq: 18 Jul 2023 20:51

Instrument :

BNA_F

ClientSampleId :

RB-50-(0-2)

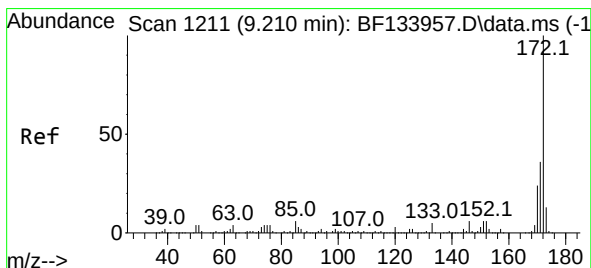
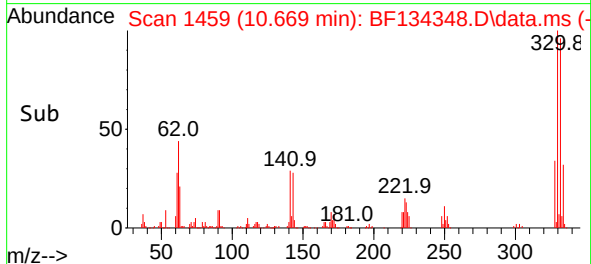
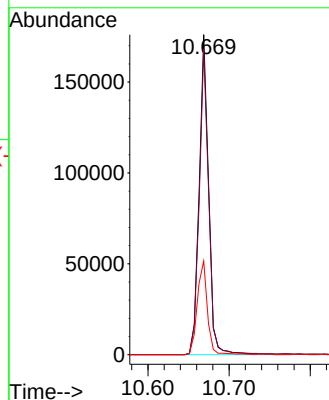
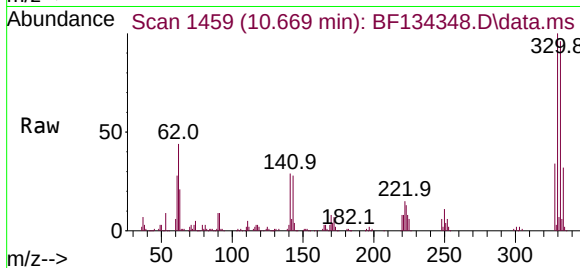
Tgt Ion:330 Resp: 143885

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

141 31.1 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 70.666 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF134348.D

Acq: 18 Jul 2023 20:51

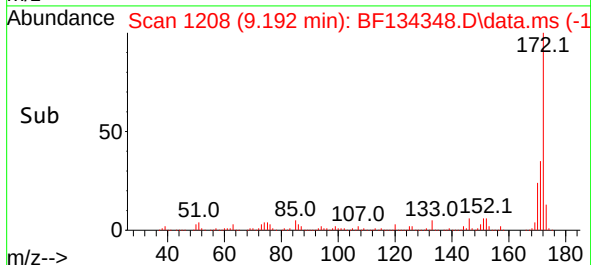
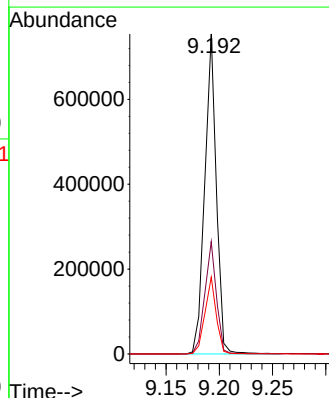
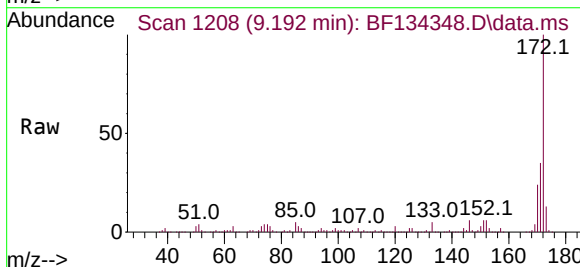
Tgt Ion:172 Resp: 574484

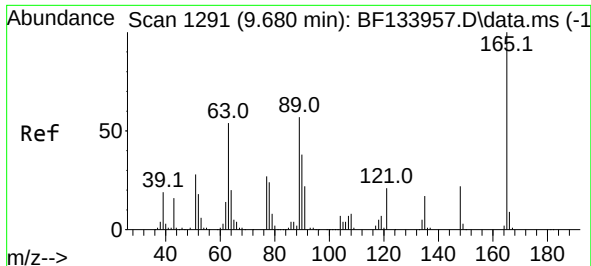
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 24.0 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.434 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF134348.D

Acq: 18 Jul 2023 20:51

Instrument :

BNA_F

ClientSampleId :

RB-50-(0-2)

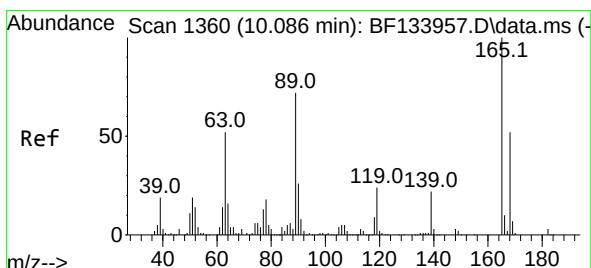
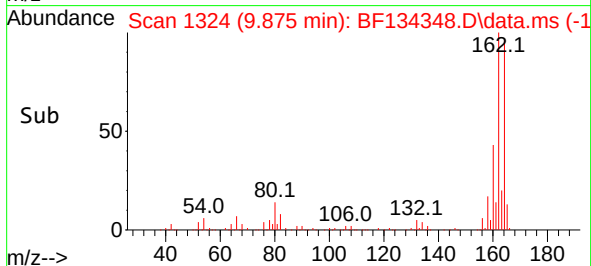
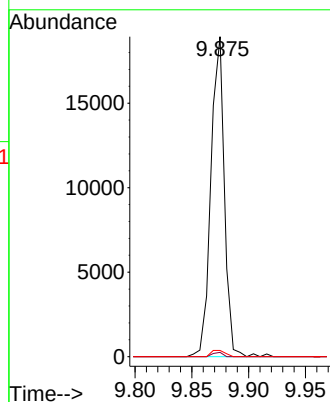
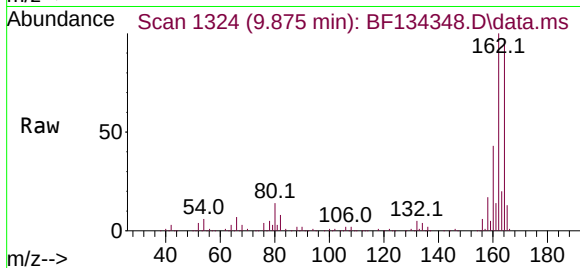
Tgt Ion:165 Resp: 15586

Ion Ratio Lower Upper

165 100

63 1.3 48.5 72.7#

89 1.9 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.387 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134348.D

Acq: 18 Jul 2023 20:51

Tgt Ion:165 Resp: 15586

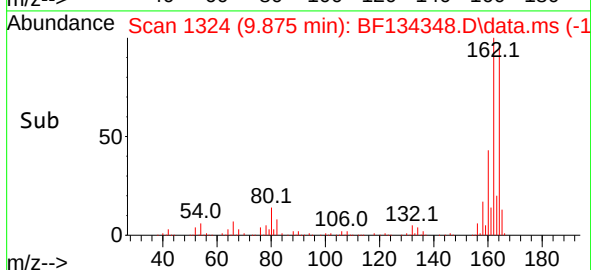
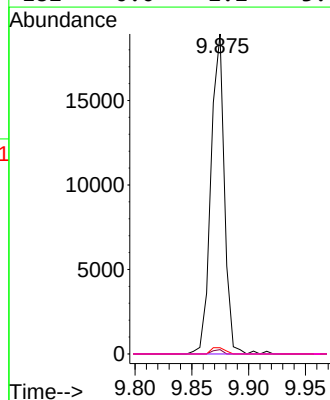
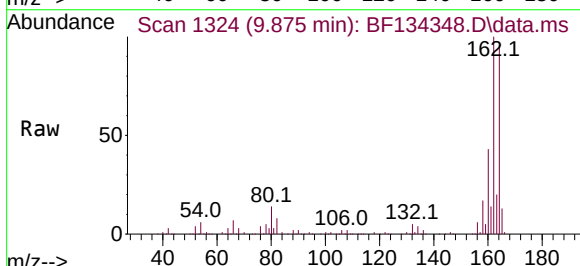
Ion Ratio Lower Upper

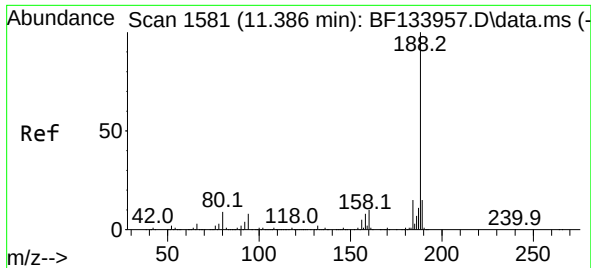
165 100

63 1.3 42.2 63.2#

89 1.9 57.4 86.2#

182 0.0 2.2 3.4#

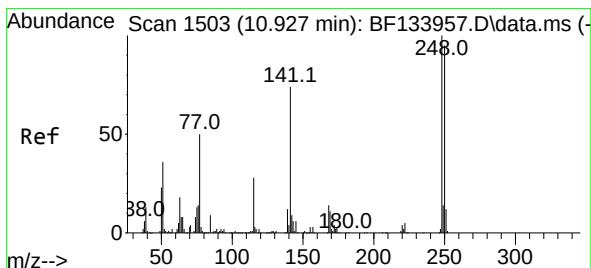
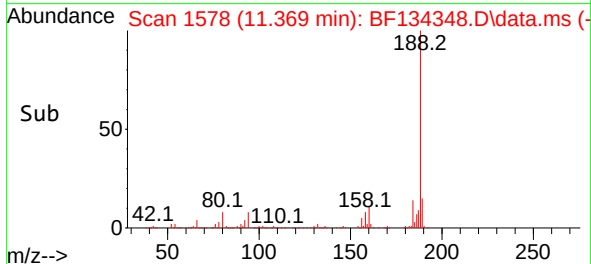
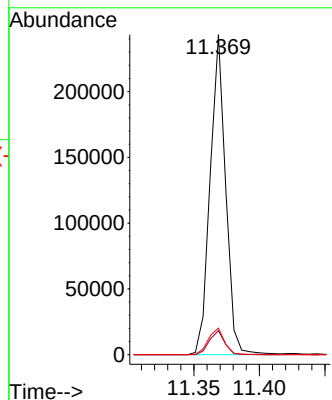
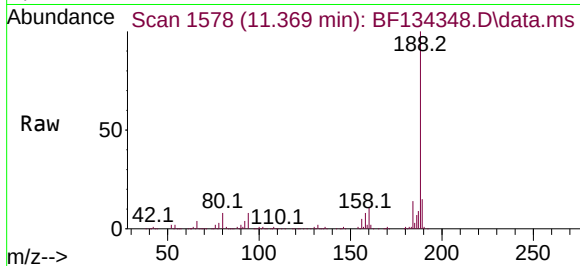




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

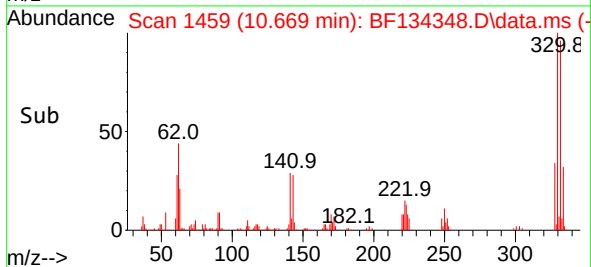
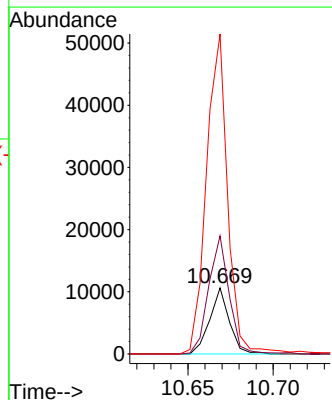
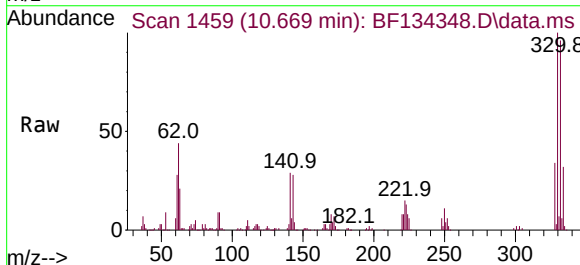
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

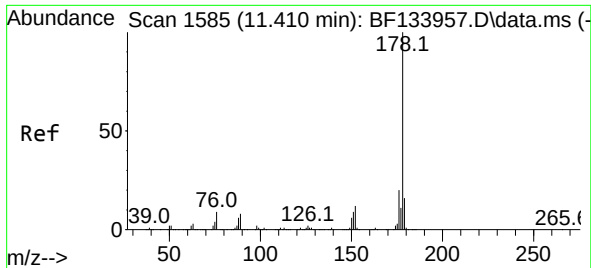
Tgt Ion:188 Resp: 200735
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.3 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 3.984 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.247 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion:248 Resp: 8500
Ion Ratio Lower Upper
248 100
250 178.5 76.2 114.4#
141 484.1 59.0 88.4#

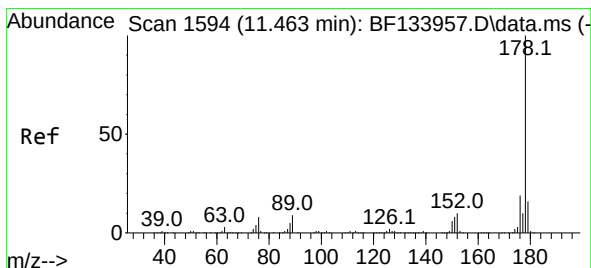
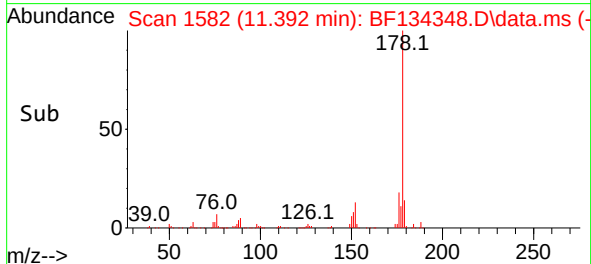
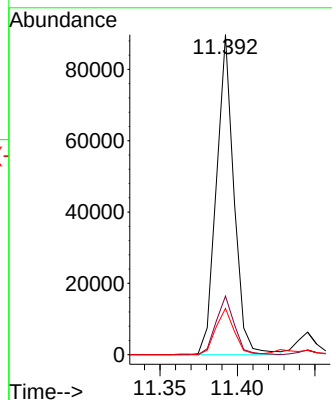
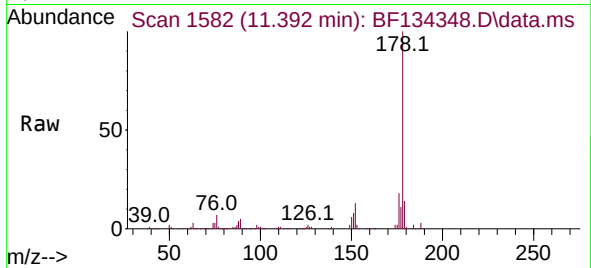




#71
Phenanthrene
Concen: 6.988 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

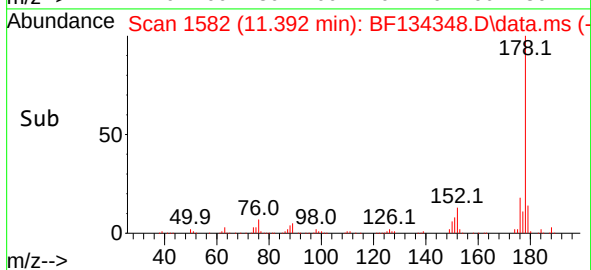
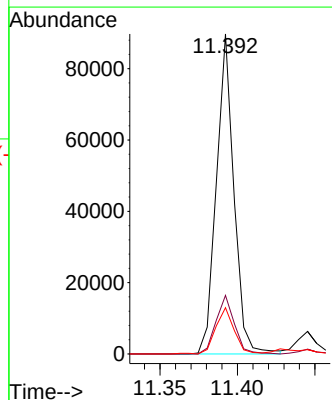
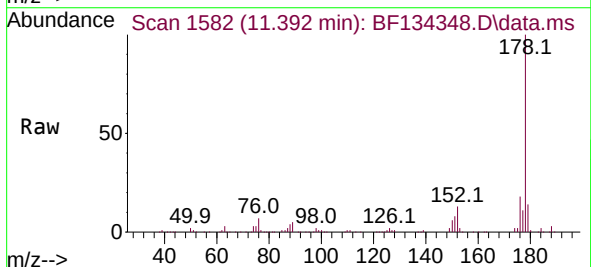
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

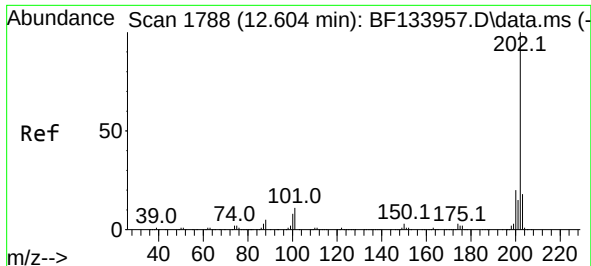
Tgt Ion:178 Resp: 70621
Ion Ratio Lower Upper
178 100
176 18.3 16.0 24.0
179 14.5 12.4 18.6



#72
Anthracene
Concen: 6.719 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.065 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion:178 Resp: 70621
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 14.5 12.4 18.6

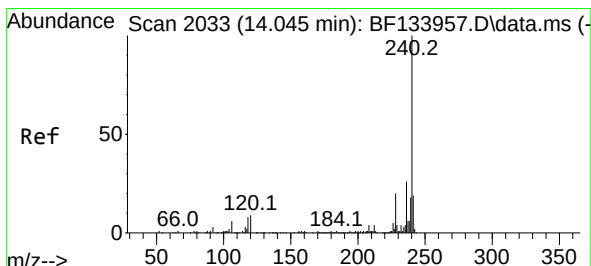
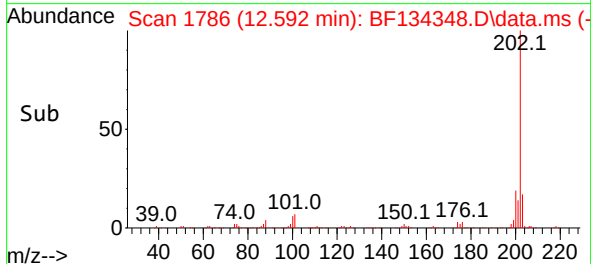
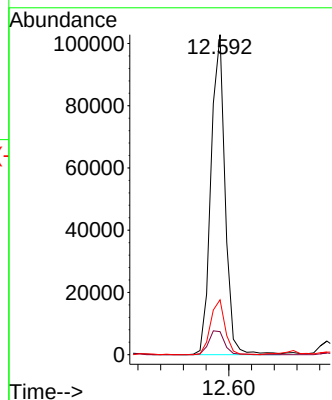
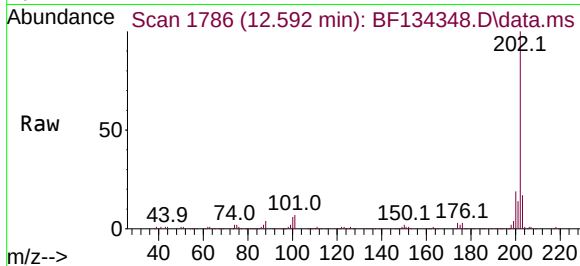




#75
Fluoranthene
Concen: 8.107 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

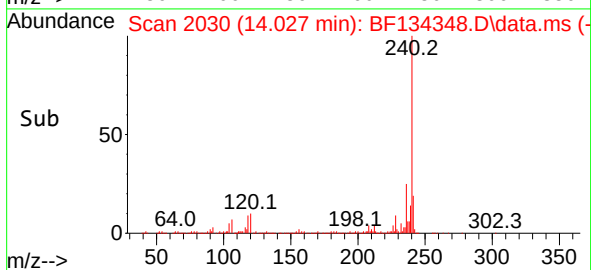
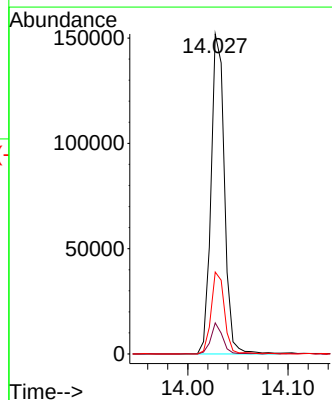
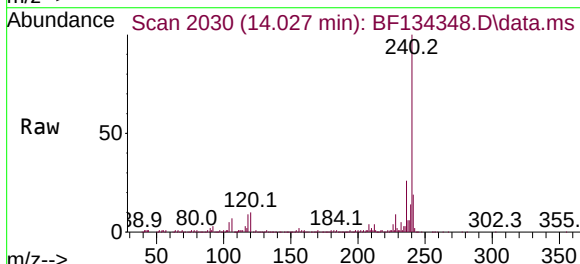
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

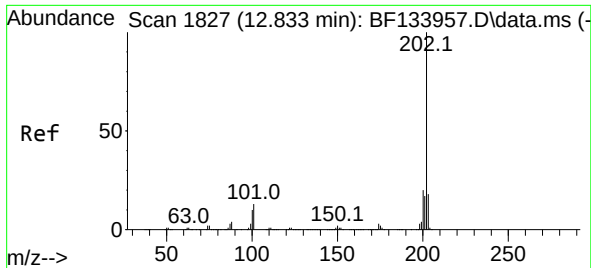
Tgt Ion:202 Resp: 88570
Ion Ratio Lower Upper
202 100
101 7.2 0.0 31.0
203 17.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion:240 Resp: 140920
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 25.6 21.0 31.6

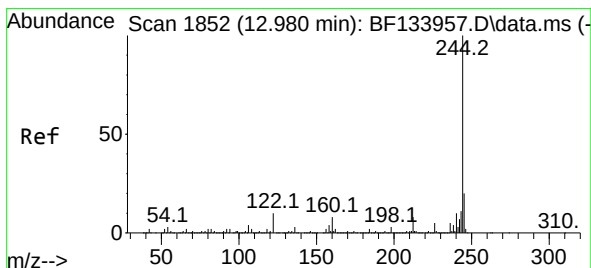
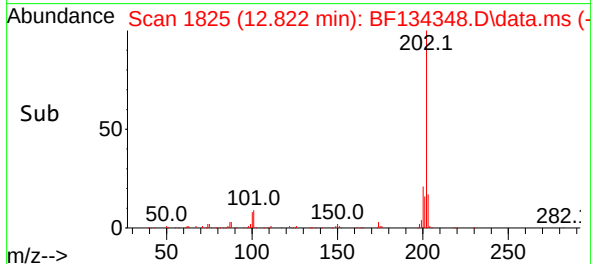
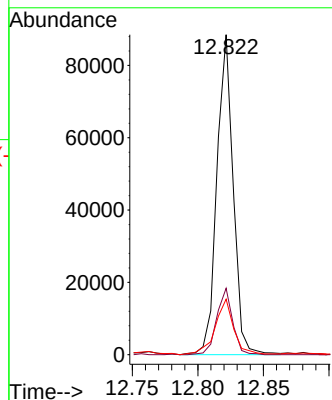
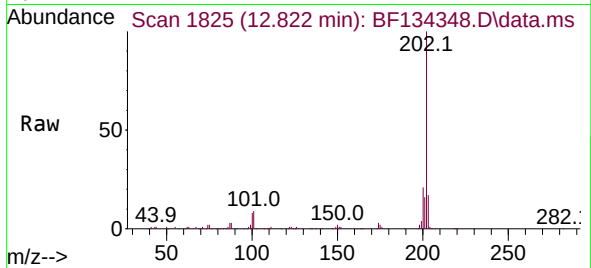




#78
 Pyrene
 Concen: 5.846 ng
 RT: 12.822 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF134348.D
 Acq: 18 Jul 2023 20:51

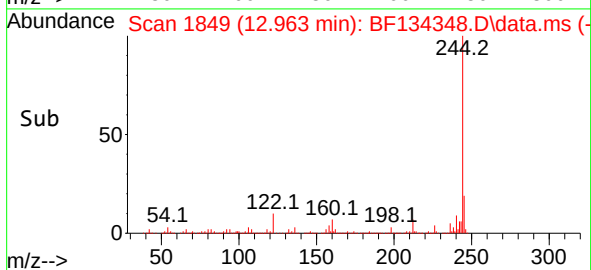
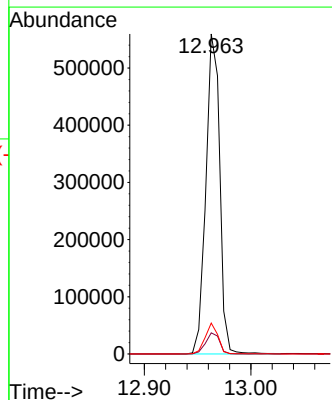
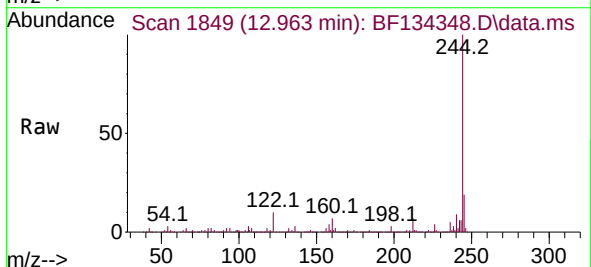
Instrument :
 BNA_F
 ClientSampleId :
 RB-50-(0-2)

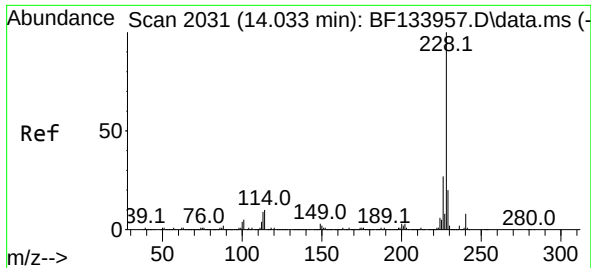
Tgt Ion:202 Resp: 76668
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.1 24.1
 203 17.3 14.3 21.5



#79
 Terphenyl-d14
 Concen: 57.949 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134348.D
 Acq: 18 Jul 2023 20:51

Tgt Ion:244 Resp: 507403
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 9.7 8.3 12.5

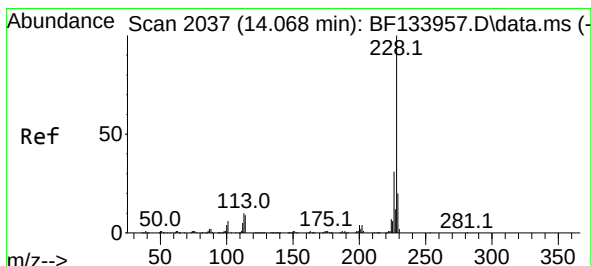
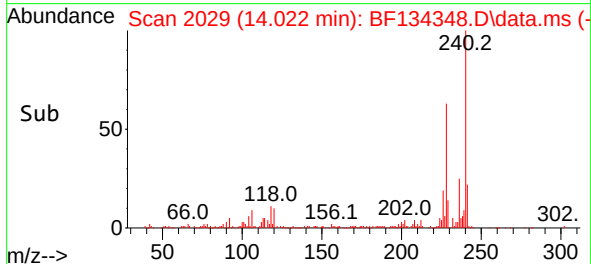
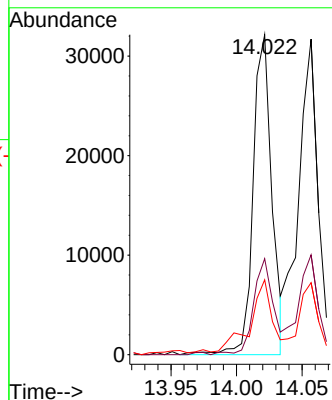
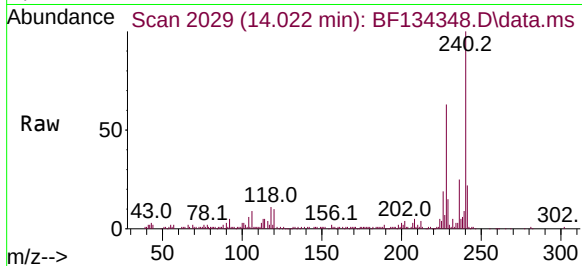




#81
Benzo(a)anthracene
Concen: 3.273 ng
RT: 14.022 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

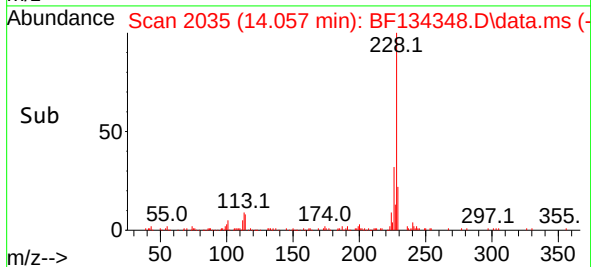
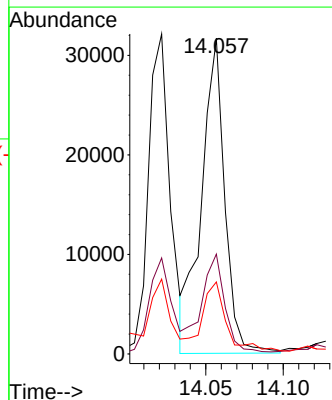
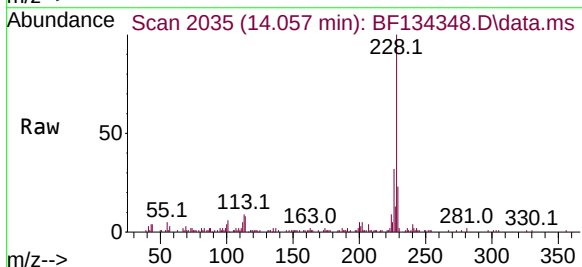
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

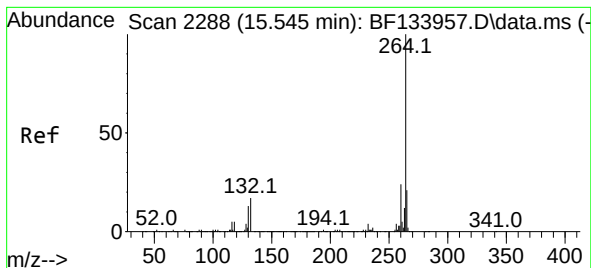
Tgt Ion:228 Resp: 31986
Ion Ratio Lower Upper
228 100
226 30.0 22.0 33.0
229 23.4 16.3 24.5



#83
Chrysene
Concen: 3.505 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion:228 Resp: 33175
Ion Ratio Lower Upper
228 100
226 31.6 24.4 36.6
229 22.8 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134348.D

Acq: 18 Jul 2023 20:51

Instrument :

BNA_F

ClientSampleId :

RB-50-(0-2)

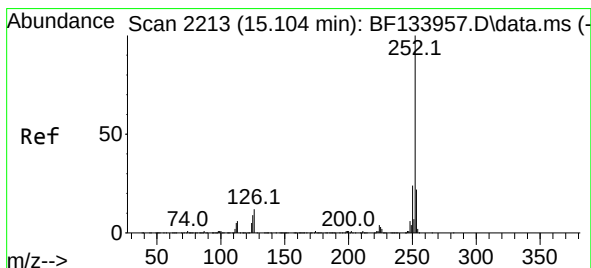
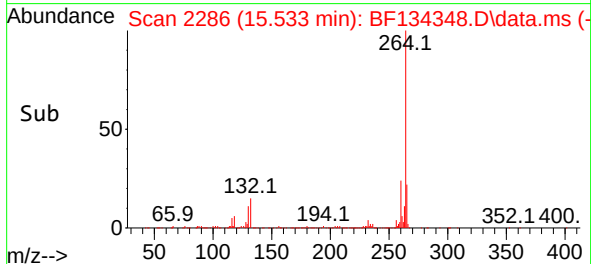
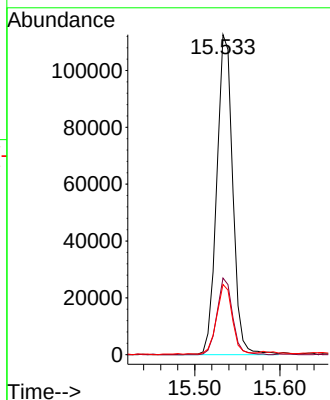
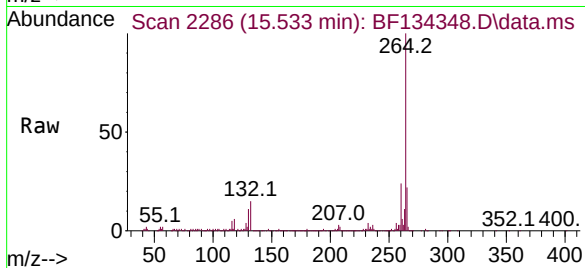
Tgt Ion:264 Resp: 147149

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.9 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 6.338 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134348.D

Acq: 18 Jul 2023 20:51

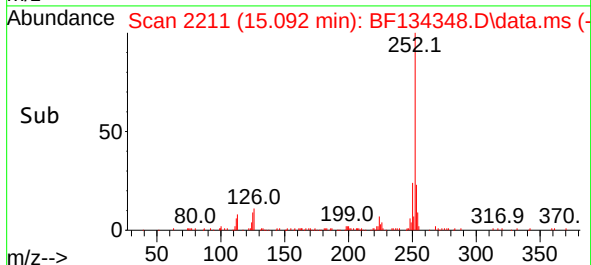
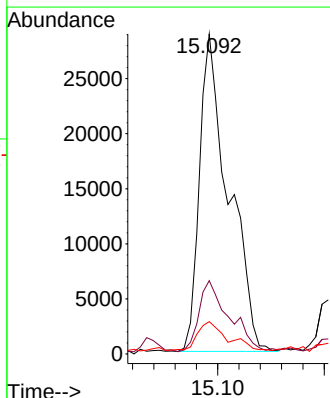
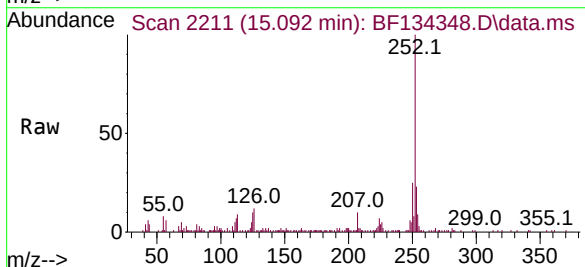
Tgt Ion:252 Resp: 54839

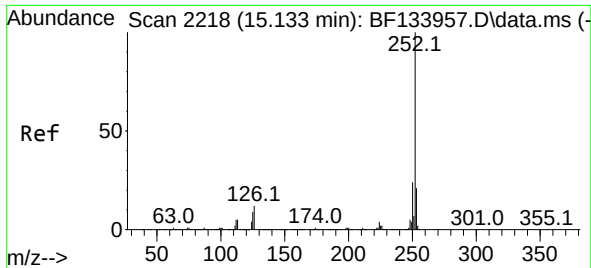
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 10.1 7.1 10.7

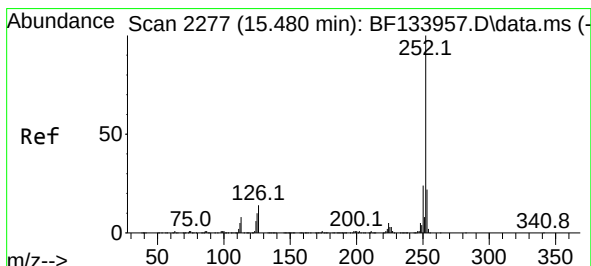
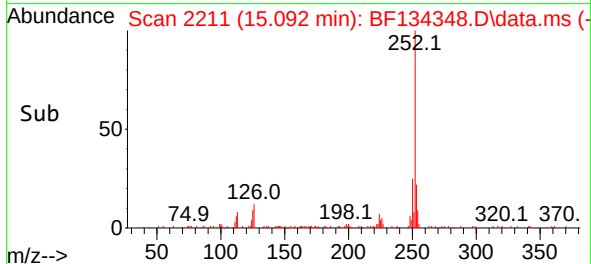
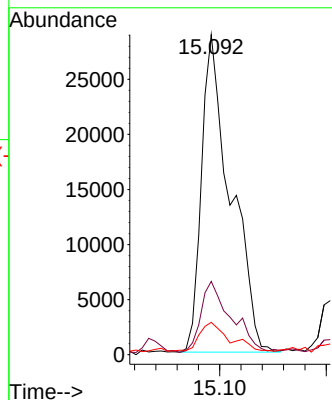
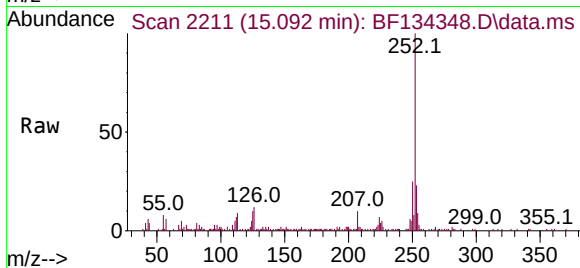




#89
Benzo(k)fluoranthene
Concen: 6.225 ng
RT: 15.092 min Scan# 211
Delta R.T. -0.041 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

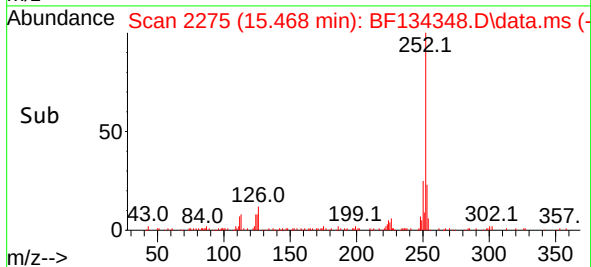
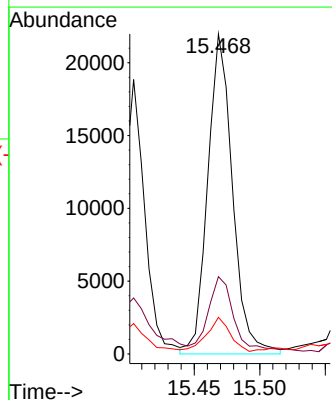
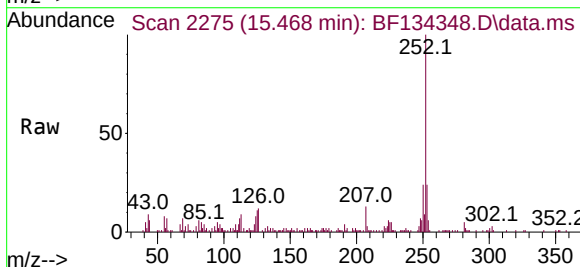
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

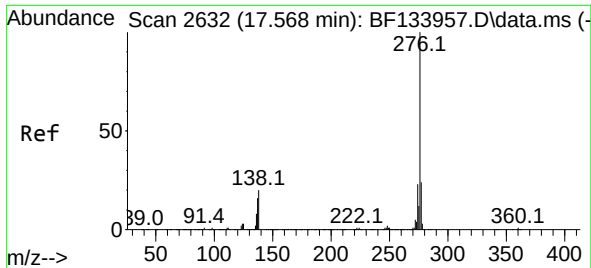
Tgt Ion:252 Resp: 54839
Ion Ratio Lower Upper
252 100
253 22.9 16.9 25.3
125 10.1 7.4 11.2



#90
Benzo(a)pyrene
Concen: 3.454 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion:252 Resp: 28897
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 11.4 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.120 ng
 RT: 17.551 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF134348.D
 Acq: 18 Jul 2023 20:51

Instrument :
 BNA_F
 ClientSampleId :
 RB-50-(0-2)

Tgt Ion:276 Resp: 18237
 Ion Ratio Lower Upper
 276 100
 277 21.2 19.0 28.6
 138 19.9 16.2 24.2

