

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134360.D
 Acq On : 19 Jul 2023 15:50
 Operator : CG\JU
 Sample : 03597-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 16:16:27 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)

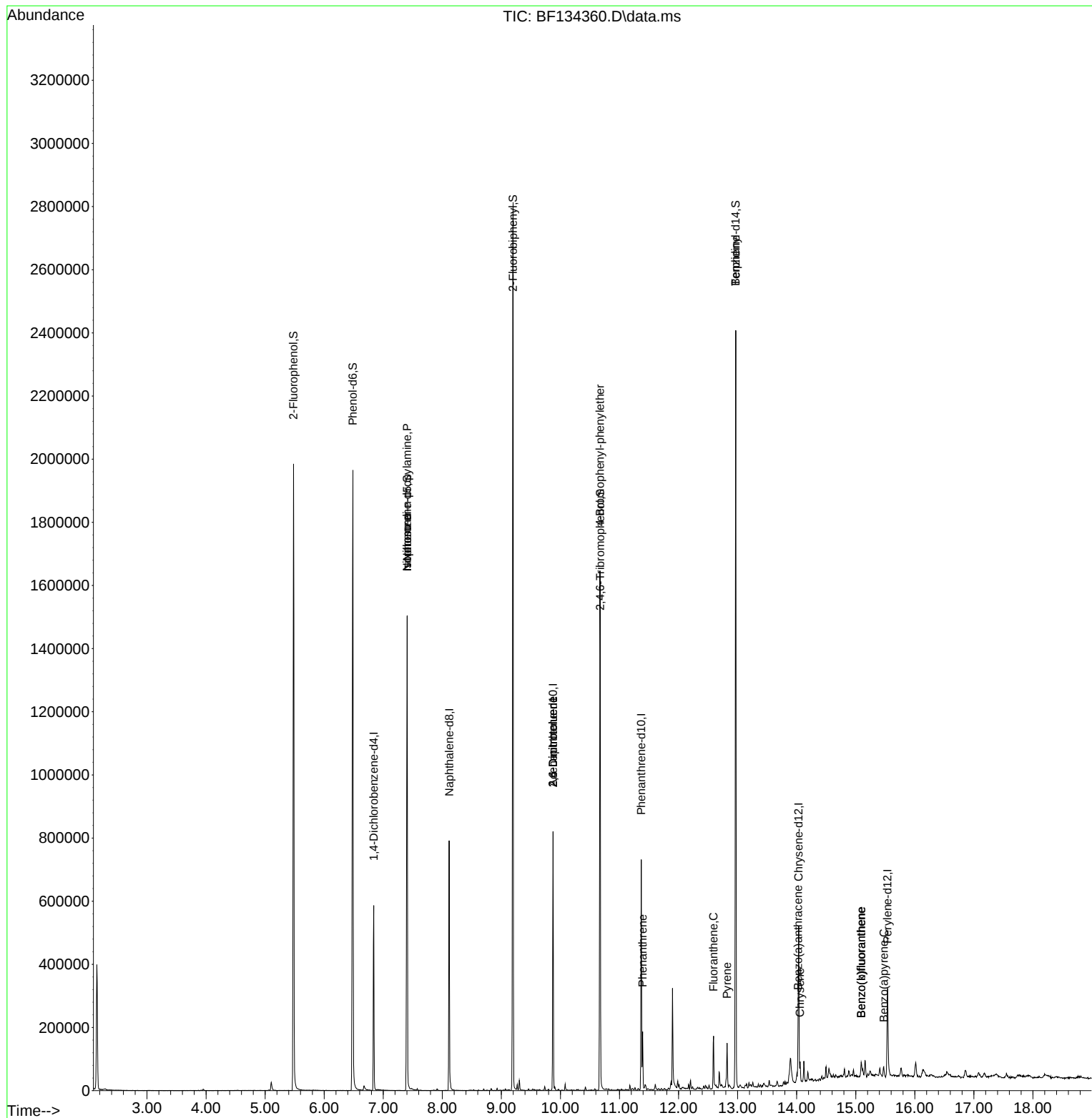
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	81121	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	306200	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	146755	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	245587	20.000	ng	0.00
76) Chrysene-d12	14.033	240	152244	20.000	ng	0.00
86) Perylene-d12	15.539	264	134790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	534524	110.222	ng	0.01
7) Phenol-d6	6.486	99	646044	108.325	ng	0.00
23) Nitrobenzene-d5	7.404	82	452651	79.688	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	215957	117.367	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	885488	87.725	ng	0.00
79) Terphenyl-d14	12.968	244	804531	85.049	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	1255	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	62595	16.550	ng	# 76
25) Isophorone	7.404	82	452647	43.846	ng	# 64
51) 2,6-Dinitrotoluene	9.874	165	19206	8.371	ng	# 23
57) 2,4-Dinitrotoluene	9.874	165	19206	6.338	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	12706	4.868	ng	# 1
71) Phenanthrene	11.392	178	61600	4.983	ng	98
75) Fluoranthene	12.592	202	67736	5.068	ng	96
77) Benzidine	12.968	184	11165	3.082	ng	# 93
78) Pyrene	12.821	202	58286	4.114	ng	98
81) Benzo(a)anthracene	14.021	228	22662	2.146	ng	96
83) Chrysene	14.057	228	23134	2.262	ng	97
88) Benzo(b)fluoranthene	15.092	252	31951	4.031	ng	# 91
89) Benzo(k)fluoranthene	15.092	252	31951	3.959	ng	# 90
90) Benzo(a)pyrene	15.474	252	16123	2.104	ng	97

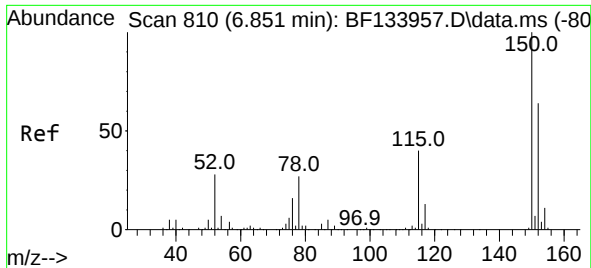
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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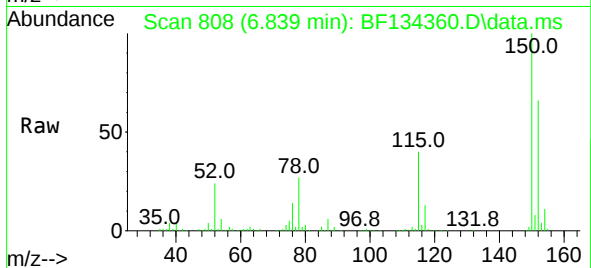
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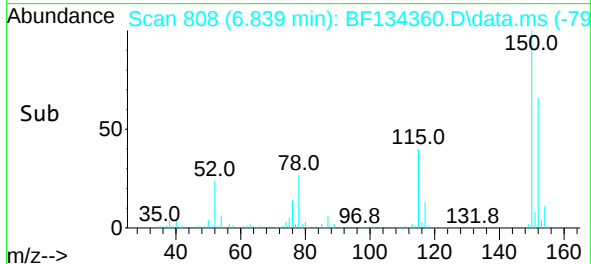
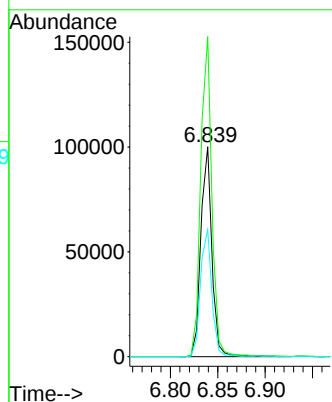


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

Instrument :
BNA_F
ClientSampleId :

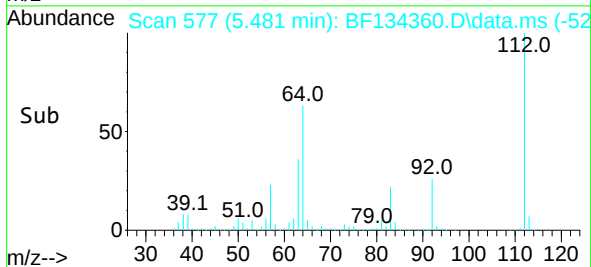
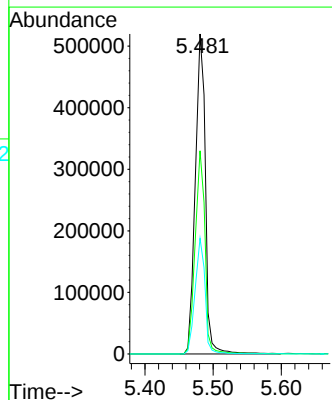
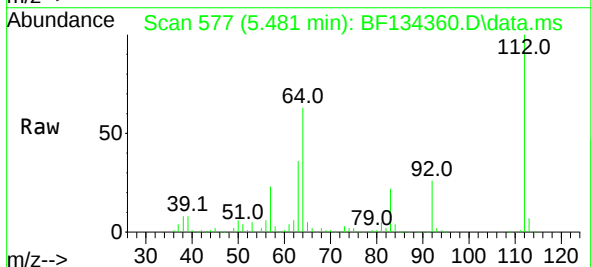


Tgt Ion:152 Resp: 81121
Ion Ratio Lower Upper
152 100
150 152.5 124.5 186.7
115 60.5 50.2 75.2



#5
2-Fluorophenol
Concen: 110.222 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

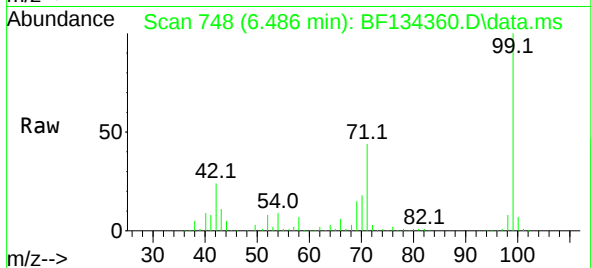
Tgt Ion:112 Resp: 534524
Ion Ratio Lower Upper
112 100
64 63.5 52.1 78.1
63 36.1 28.6 42.8



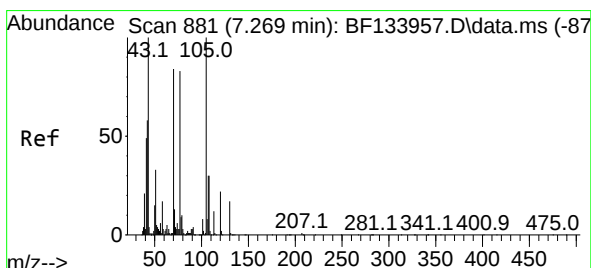
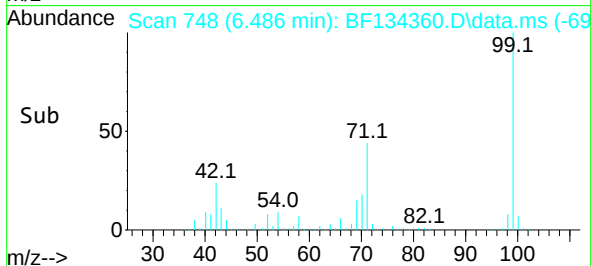
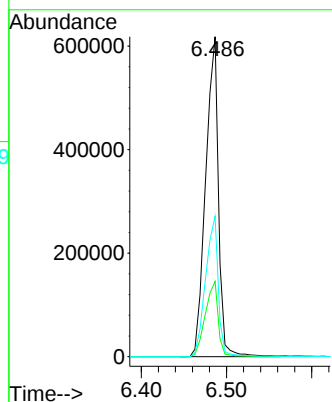


#7
Phenol-d6
Concen: 108.325 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

Instrument :
BNA_F
ClientSampleId :

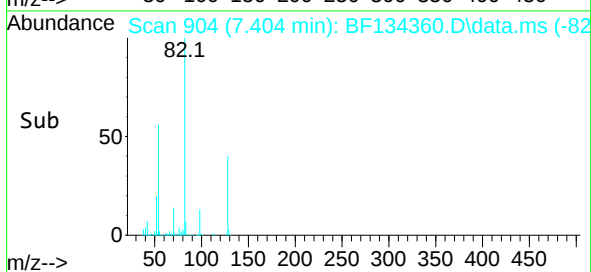
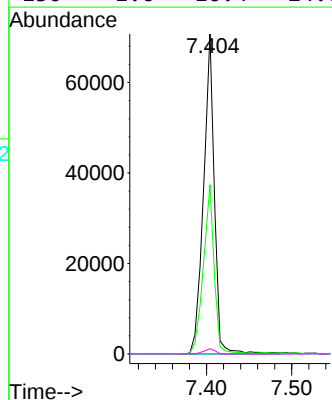
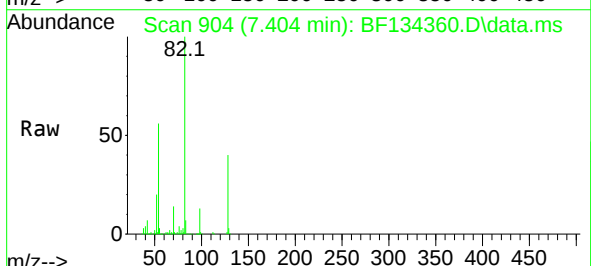


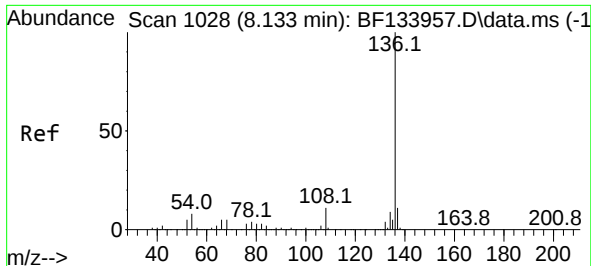
Tgt Ion: 99 Resp: 646044
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.6
71 43.9 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.550 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

Tgt Ion: 70 Resp: 62595
Ion Ratio Lower Upper
70 100
42 52.9 54.7 82.1#
101 0.0 7.7 11.5#
130 1.6 16.4 24.6#

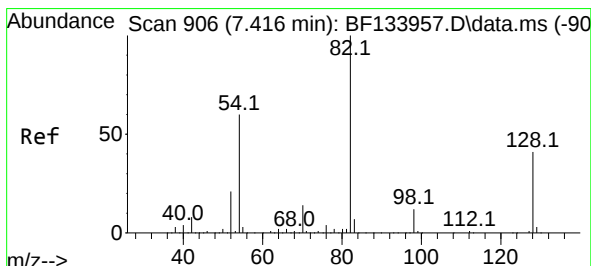
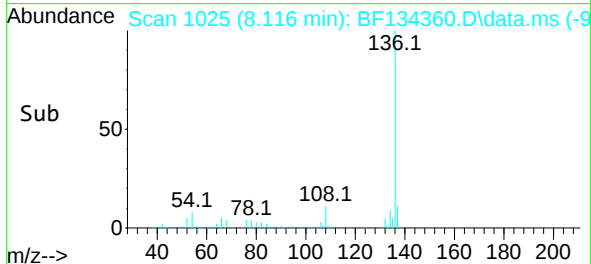
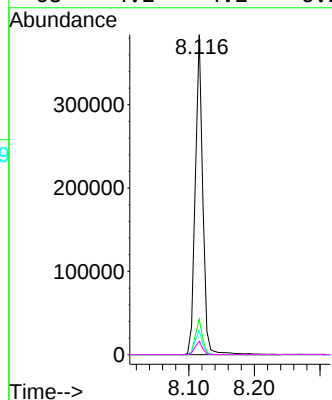
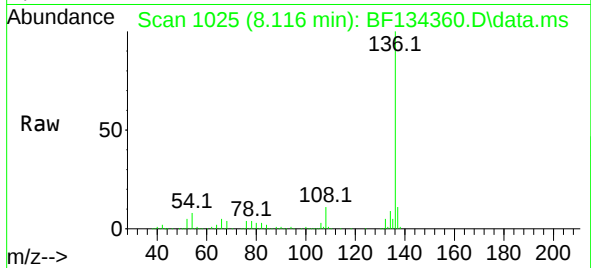




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

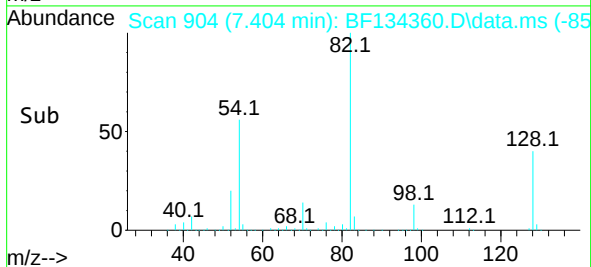
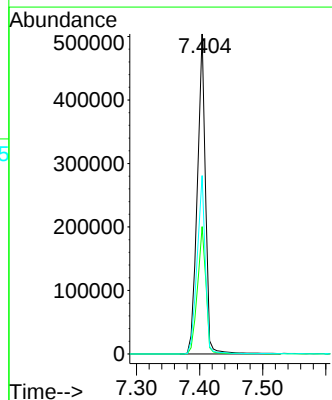
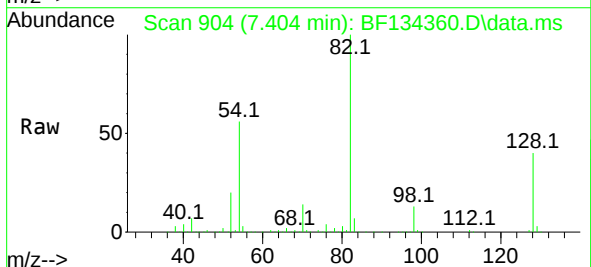
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 306200
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.6 6.5 9.7
68 4.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 79.688 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

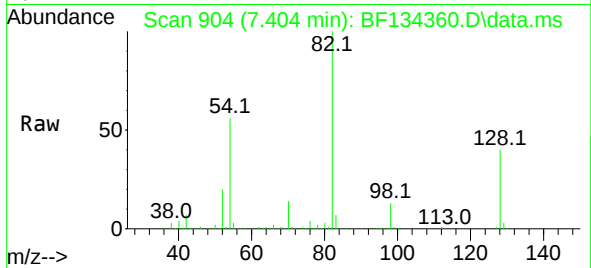
Tgt Ion: 82 Resp: 452651
Ion Ratio Lower Upper
82 100
128 39.8 32.5 48.7
54 55.8 48.2 72.2



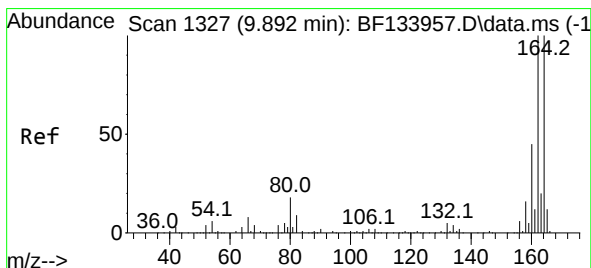
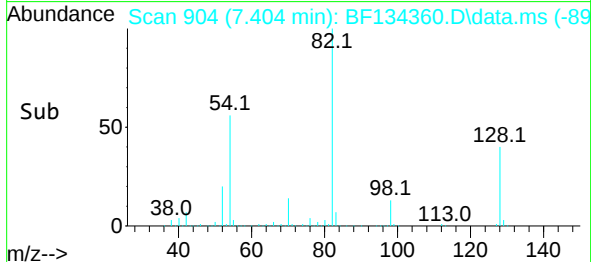
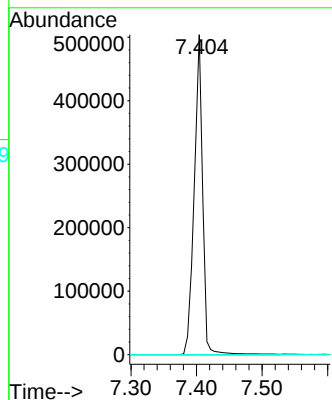


#25
Isophorone
Concen: 43.846 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

Instrument :
BNA_F
ClientSampleId :

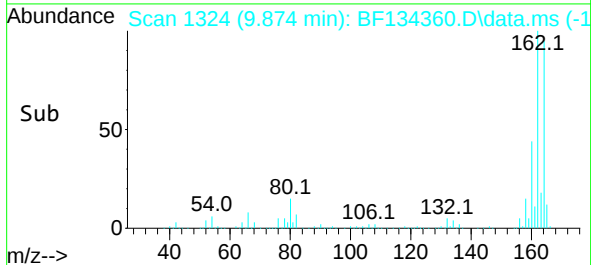
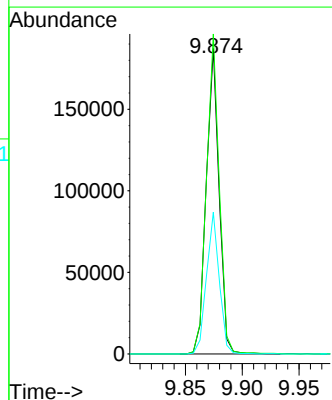
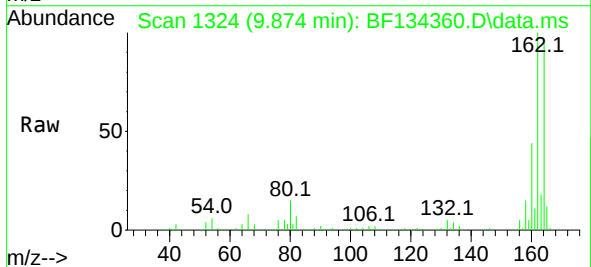


Tgt Ion: 82 Resp: 452647
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

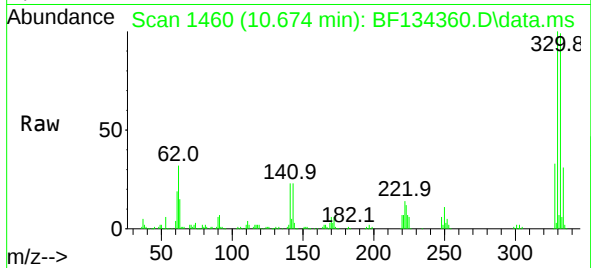
Tgt Ion:164 Resp: 146755
Ion Ratio Lower Upper
164 100
162 104.8 80.0 120.0
160 46.4 35.9 53.9



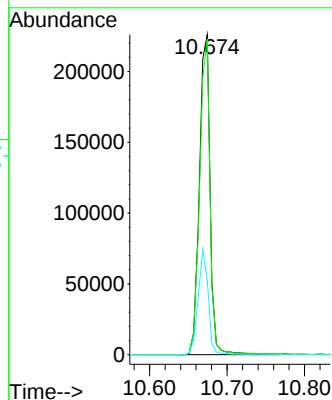
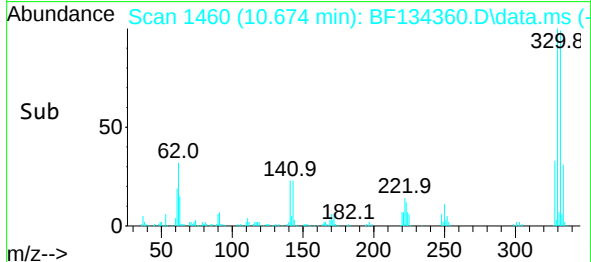


#42
 2,4,6-Tribromophenol
 Concen: 117.367 ng
 RT: 10.674 min Scan# 1460
 Delta R.T. -0.006 min
 Lab File: BF134360.D
 Acq: 19 Jul 2023 15:50

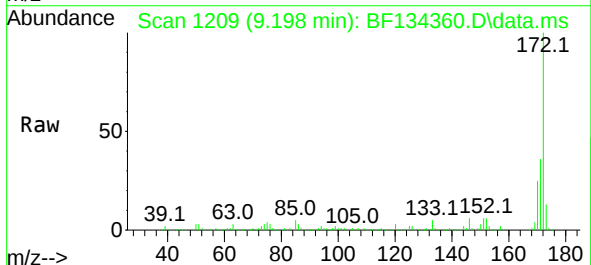
Instrument :
 BNA_F
 ClientSampleId :



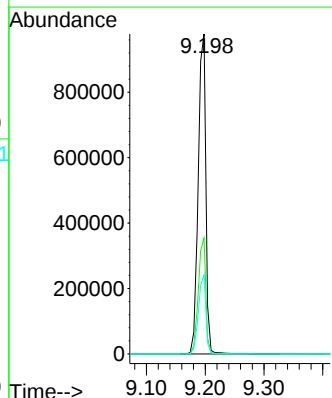
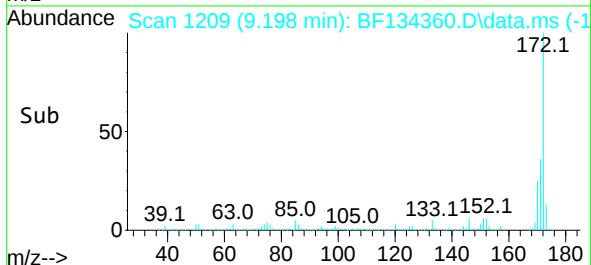
Tgt Ion:330 Resp: 215957
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 31.3 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 87.725 ng
 RT: 9.198 min Scan# 1209
 Delta R.T. -0.006 min
 Lab File: BF134360.D
 Acq: 19 Jul 2023 15:50



Tgt Ion:172 Resp: 885488
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.7 19.4 29.0

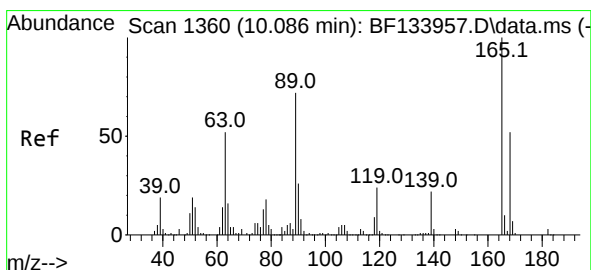
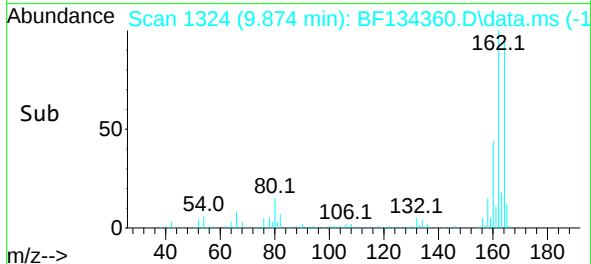
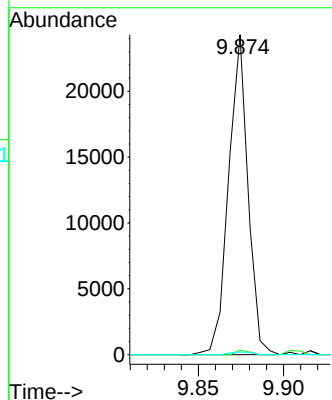
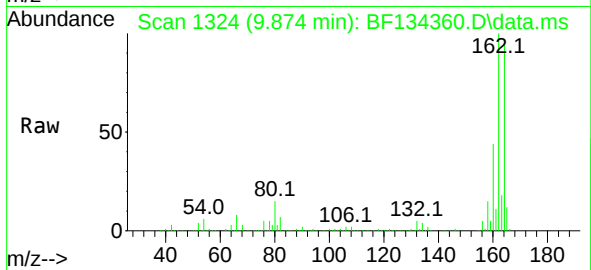




#51
2,6-Dinitrotoluene
Concen: 8.371 ng
RT: 9.874 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

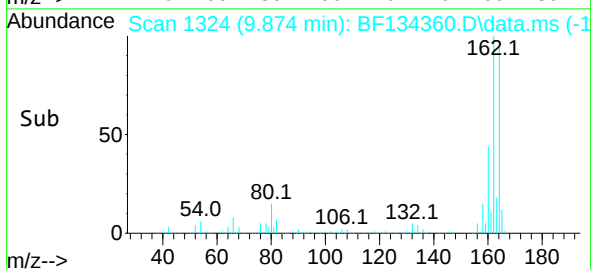
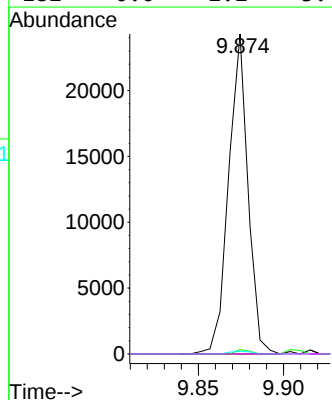
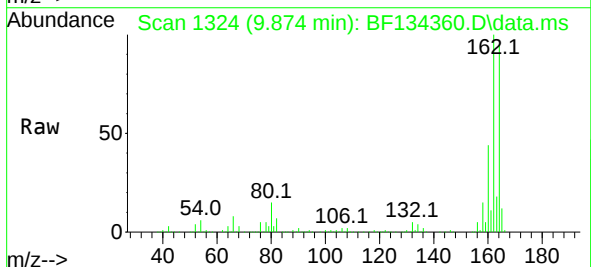
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 19206
Ion Ratio Lower Upper
165 100
63 1.4 48.5 72.7#
89 0.8 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.338 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

Tgt Ion:165 Resp: 19206
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 0.8 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.368 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

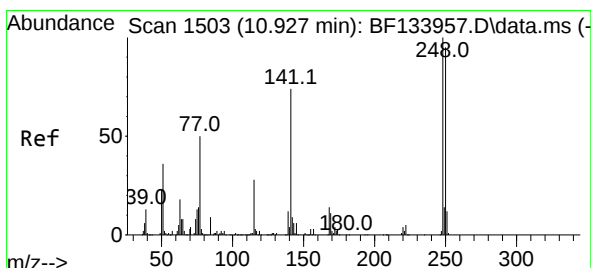
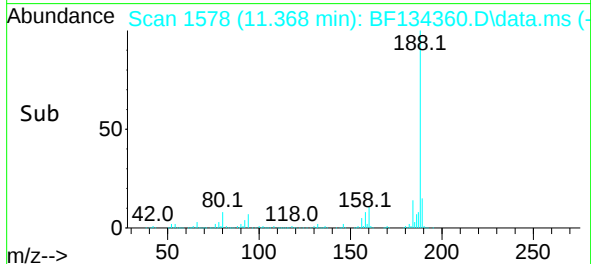
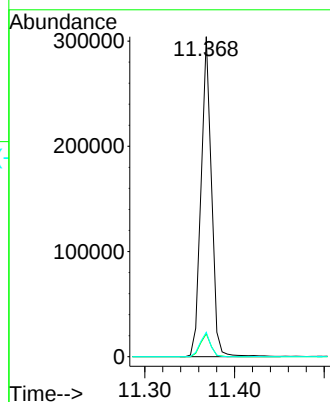
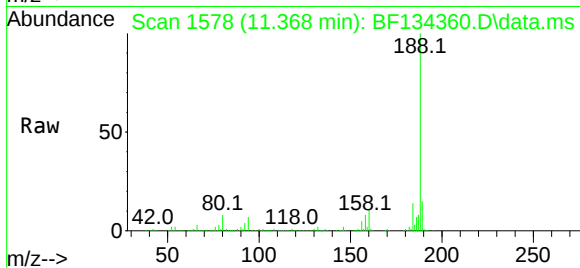
Tgt Ion:188 Resp: 245587

Ion Ratio Lower Upper

188 100

94 7.2 6.4 9.6

80 7.7 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.868 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

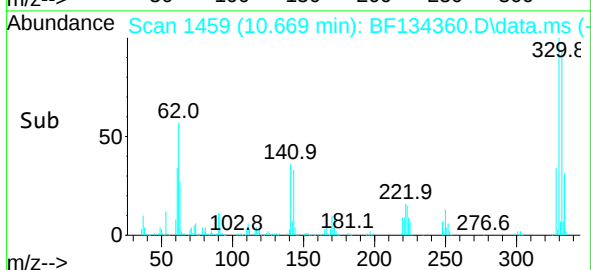
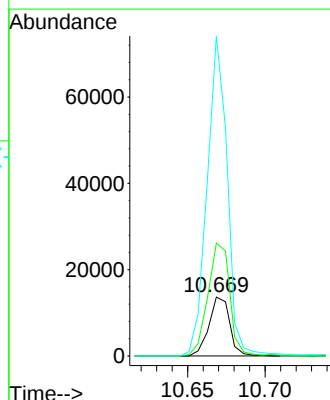
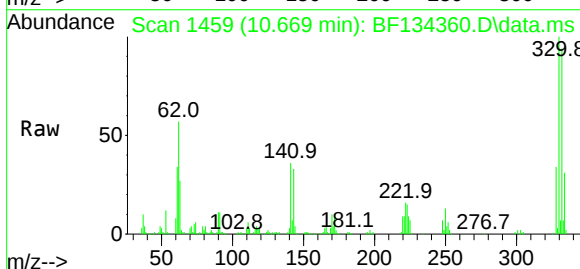
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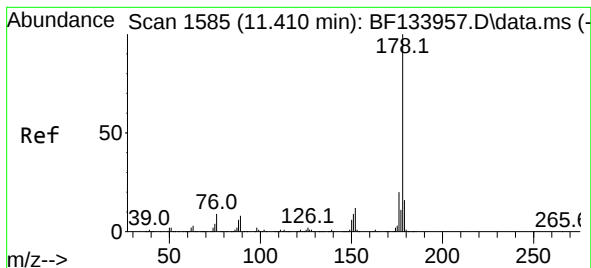
Ion Ratio Lower Upper

248 100

250 191.8 76.2 114.4#

141 543.9 59.0 88.4#





#71

Phenanthrene

Concen: 4.983 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

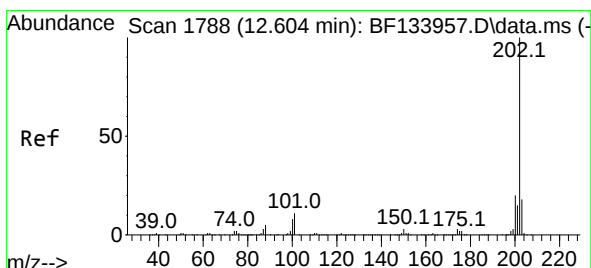
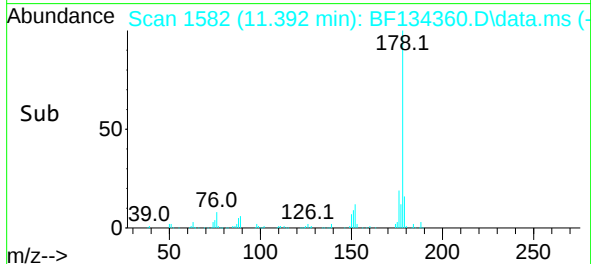
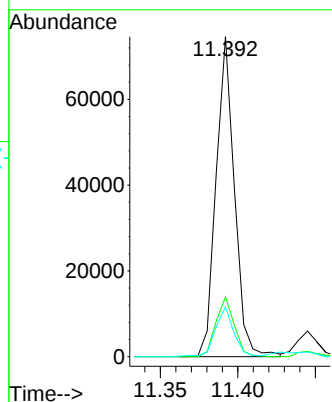
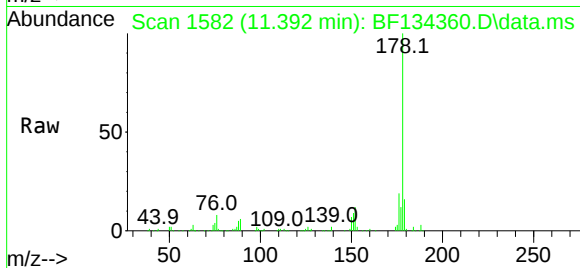
Tgt Ion:178 Resp: 61600

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

179 15.6 12.4 18.6



#75

Fluoranthene

Concen: 5.068 ng

RT: 12.592 min Scan# 1786

Delta R.T. -0.006 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

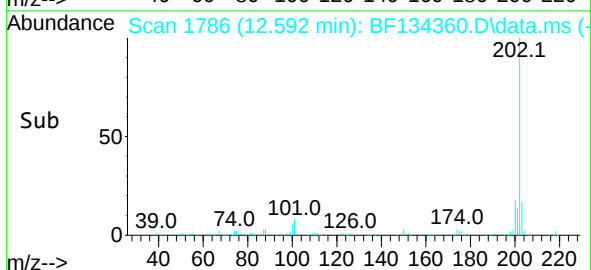
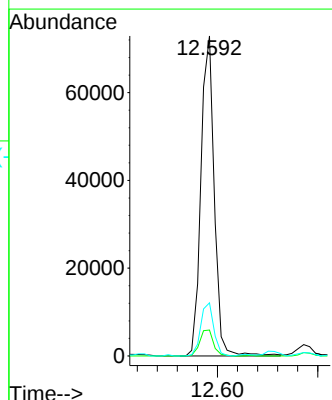
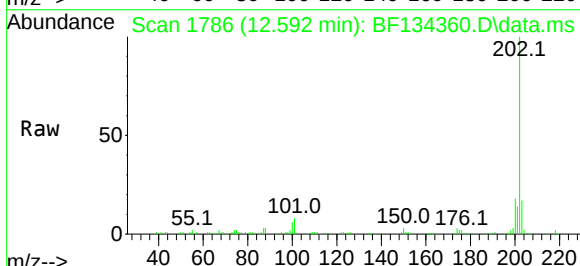
Tgt Ion:202 Resp: 67736

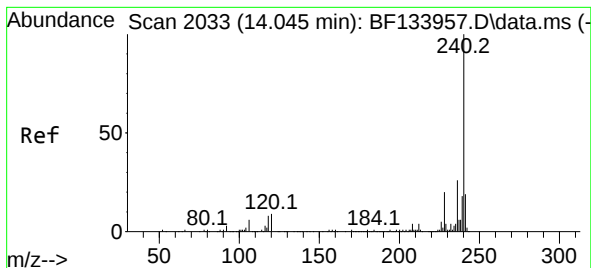
Ion Ratio Lower Upper

202 100

101 8.1 0.0 31.0

203 16.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

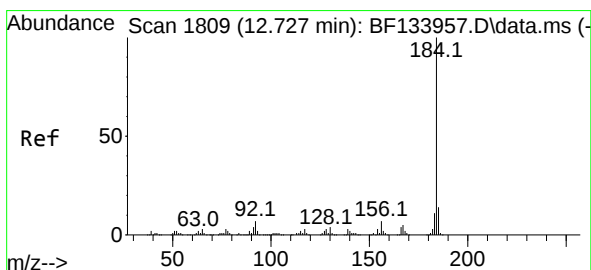
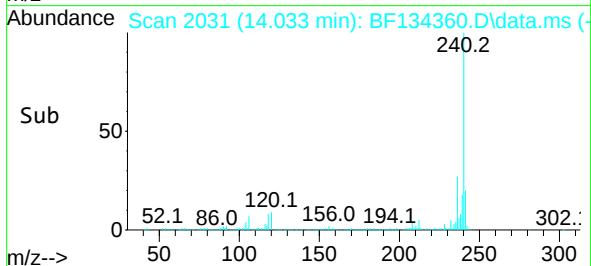
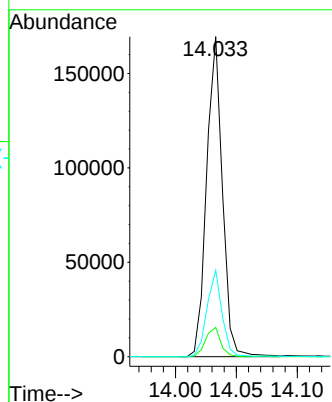
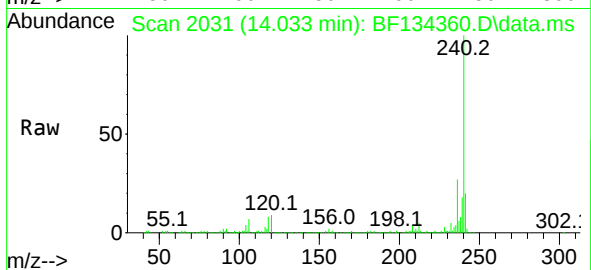
Tgt Ion:240 Resp: 152244

Ion Ratio Lower Upper

240 100

120 9.1 7.4 11.0

236 27.0 21.0 31.6



#77

Benzidine

Concen: 3.082 ng

RT: 12.968 min Scan# 1850

Delta R.T. 0.241 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

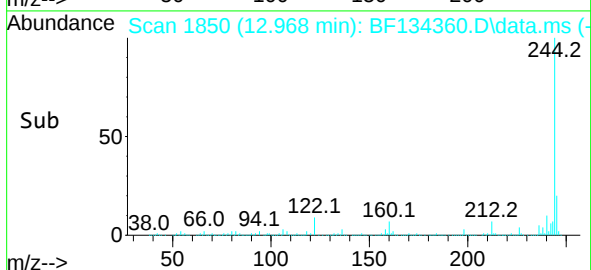
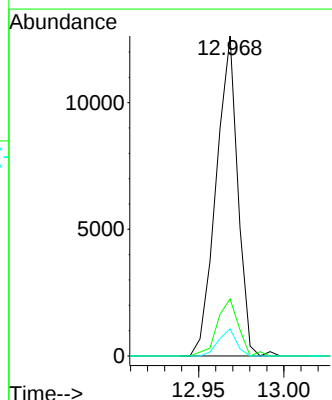
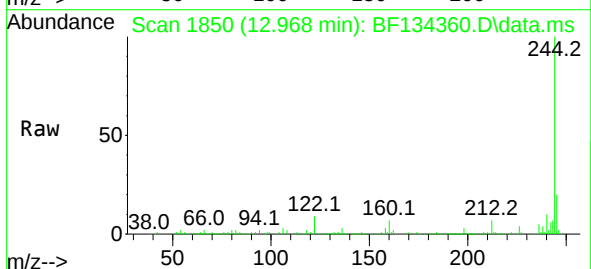
Tgt Ion:184 Resp: 11165

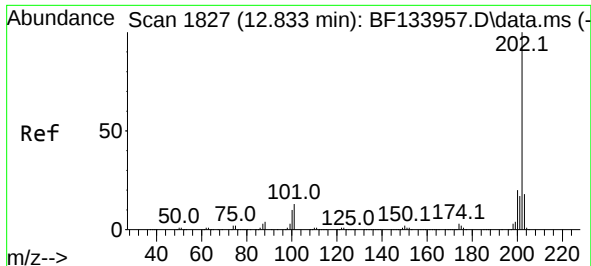
Ion Ratio Lower Upper

184 100

185 17.8 11.6 17.4#

183 8.5 8.8 13.2#

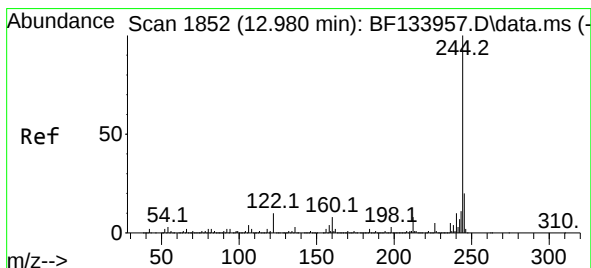
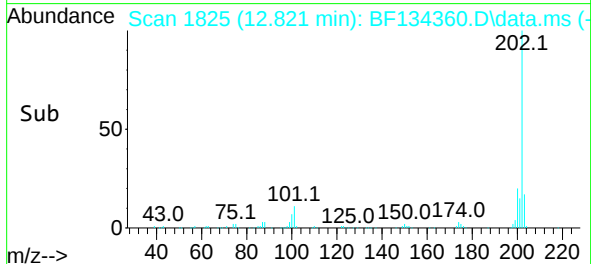
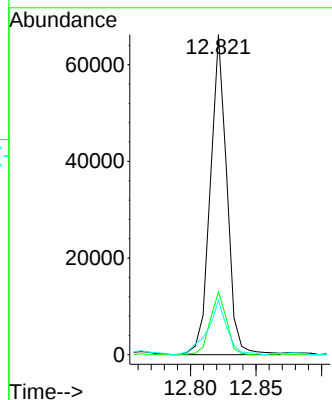
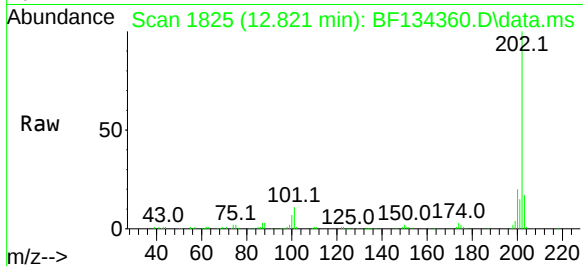




#78
 Pyrene
 Concen: 4.114 ng
 RT: 12.821 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134360.D
 Acq: 19 Jul 2023 15:50

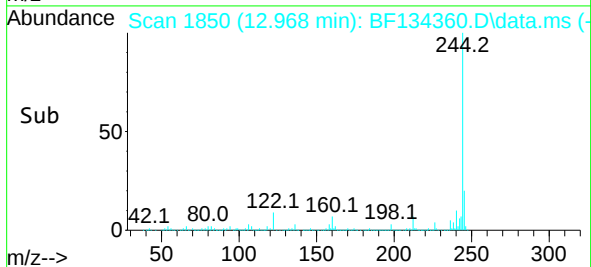
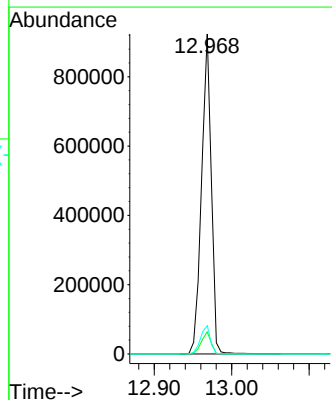
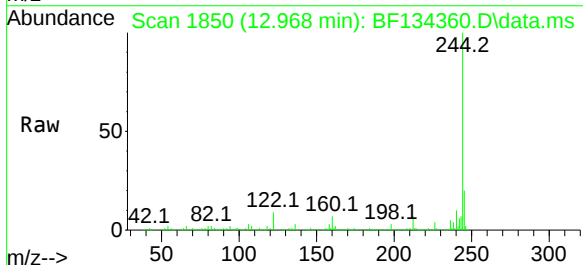
Instrument :
 BNA_F
 ClientSampleId :

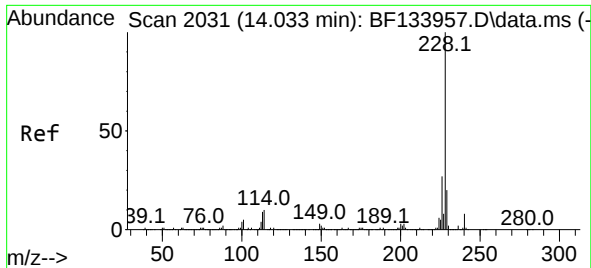
Tgt Ion:202 Resp: 58286
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.1 24.1
 203 16.9 14.3 21.5



#79
 Terphenyl-d14
 Concen: 85.049 ng
 RT: 12.968 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF134360.D
 Acq: 19 Jul 2023 15:50

Tgt Ion:244 Resp: 804531
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.9 8.3 12.5

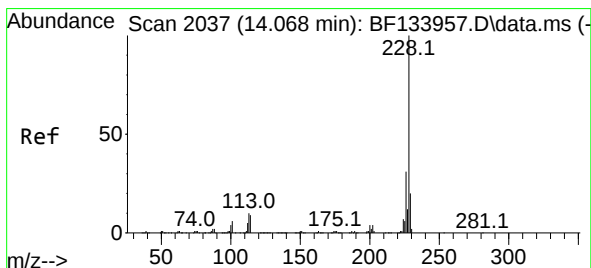
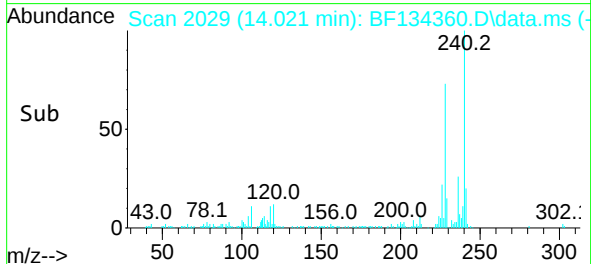
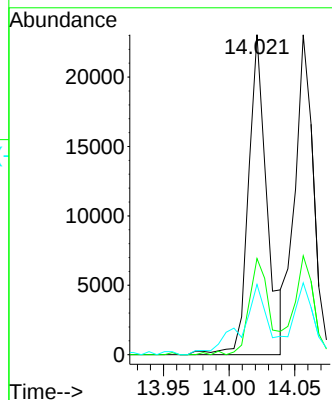
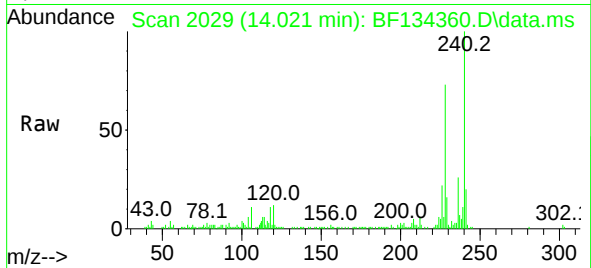




#81
Benzo(a)anthracene
Concen: 2.146 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

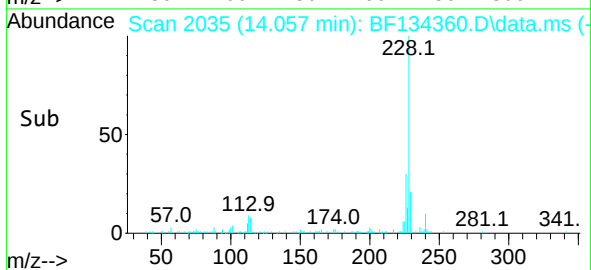
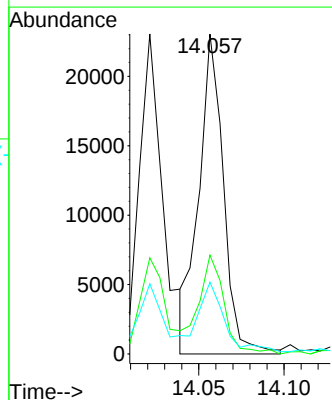
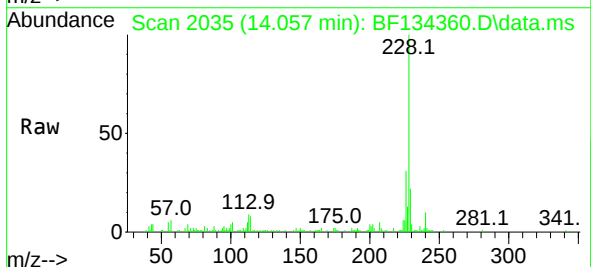
Instrument :
BNA_F
ClientSampleId :

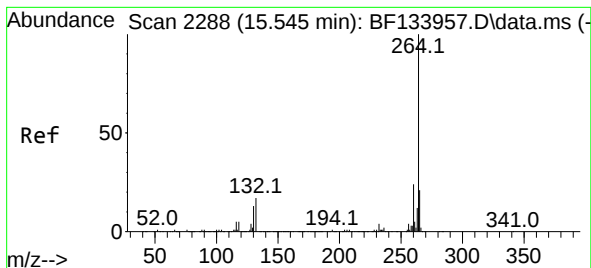
Tgt Ion:228 Resp: 22662
Ion Ratio Lower Upper
228 100
226 30.1 22.0 33.0
229 21.9 16.3 24.5



#83
Chrysene
Concen: 2.262 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134360.D
Acq: 19 Jul 2023 15:50

Tgt Ion:228 Resp: 23134
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 22.5 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: BF134360.D

Acq: 19 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

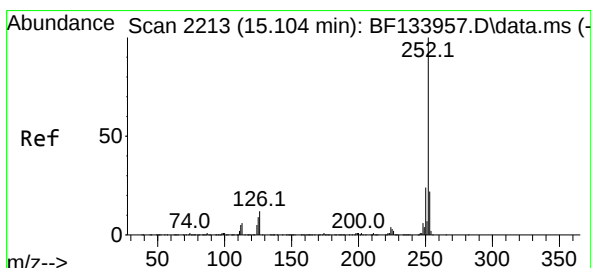
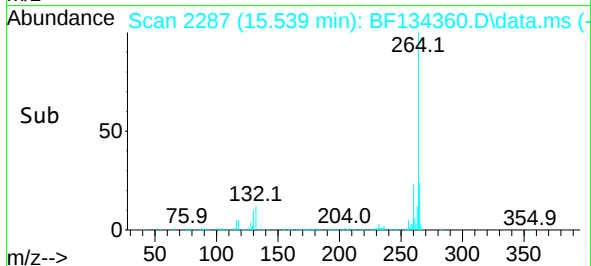
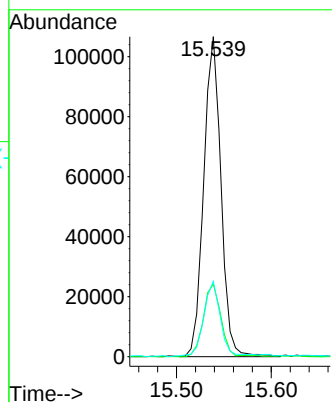
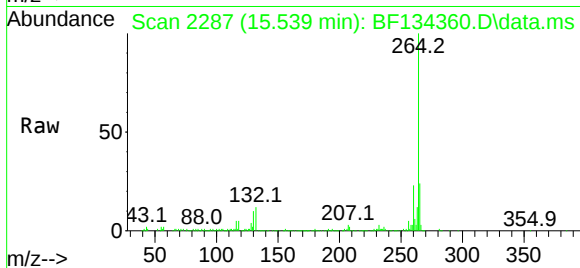
Tgt Ion:264 Resp: 134790

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

265 23.6 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.031 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

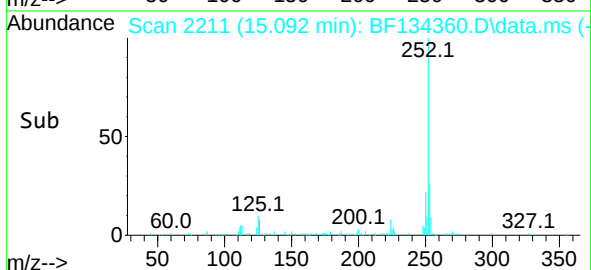
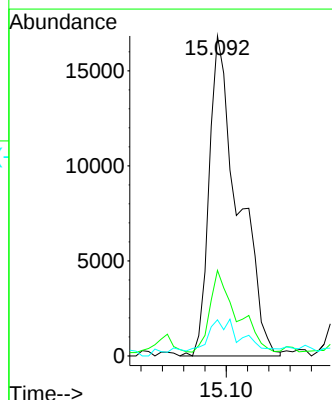
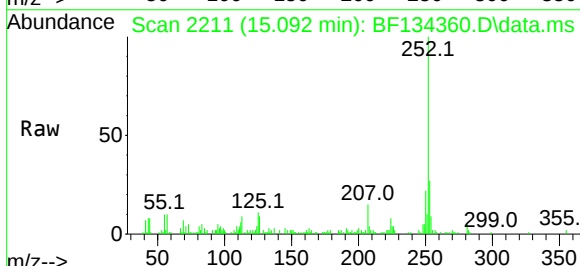
Tgt Ion:252 Resp: 31951

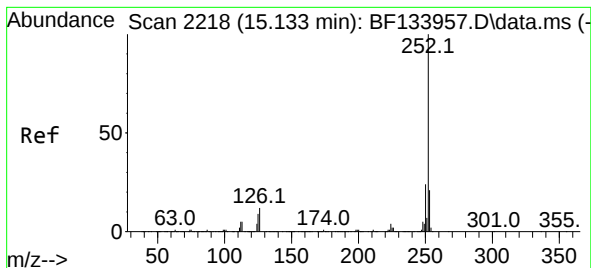
Ion Ratio Lower Upper

252 100

253 26.7 17.4 26.0#

125 11.3 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 3.959 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

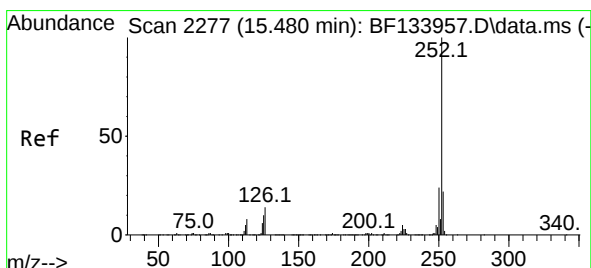
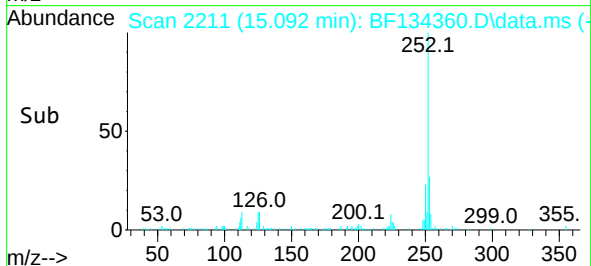
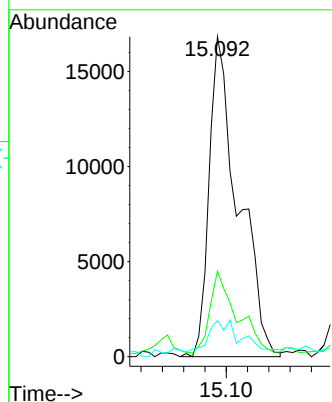
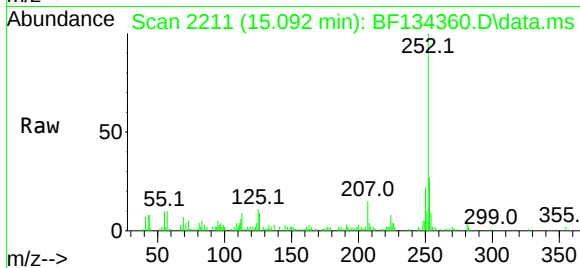
Tgt Ion:252 Resp: 31951

Ion Ratio Lower Upper

252 100

253 26.7 16.9 25.3#

125 11.3 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 2.104 ng

RT: 15.474 min Scan# 2276

Delta R.T. -0.006 min

Lab File: BF134360.D

Acq: 19 Jul 2023 15:50

Tgt Ion:252 Resp: 16123

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 9.1 8.4 12.6

