

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134813.D
 Acq On : 16 Aug 2023 17:32
 Operator : CG\JU
 Sample : 04023-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP11

Quant Time: Aug 17 01:35:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

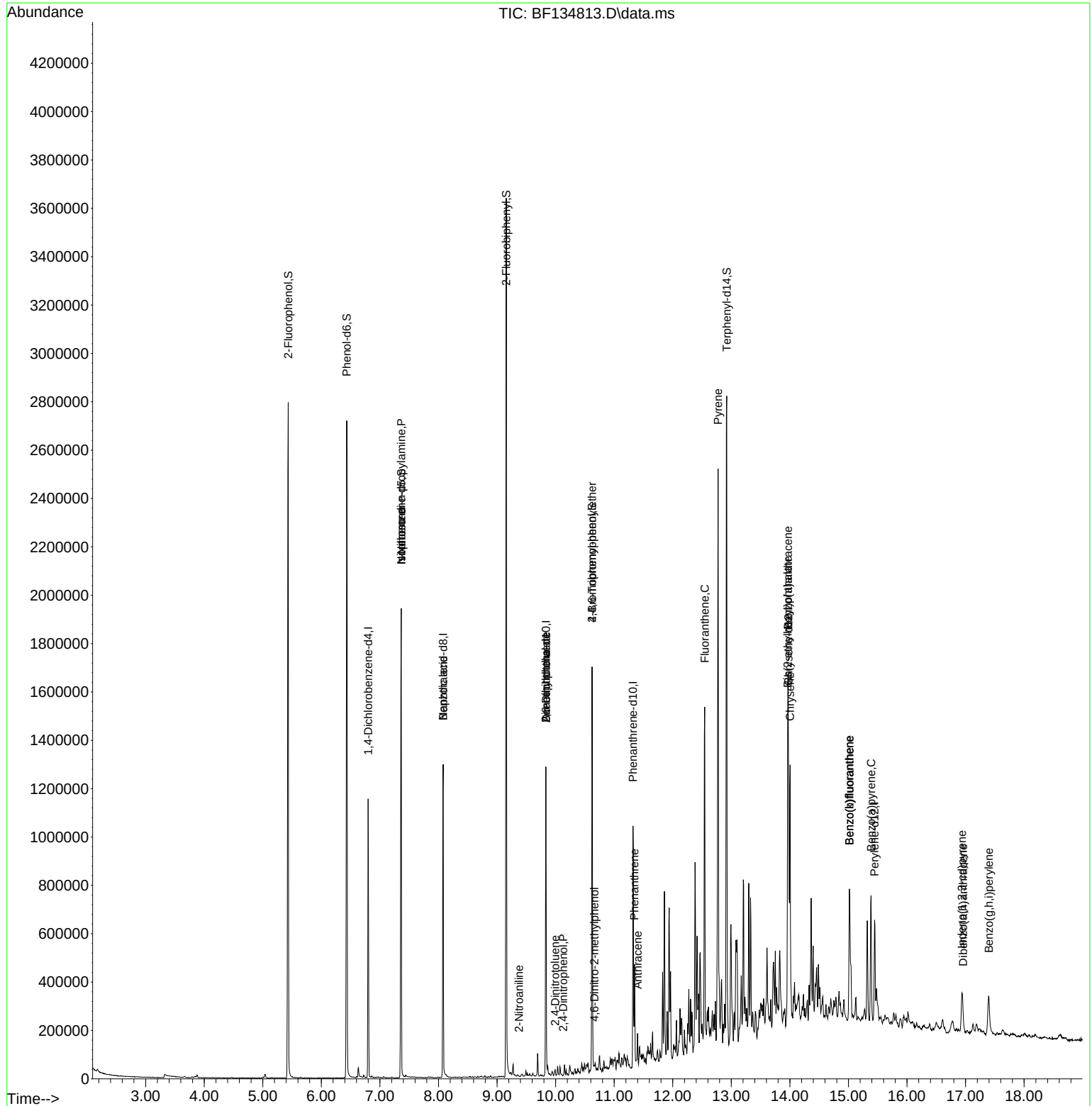
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	153658	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	573206	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	247022	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	370250	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	253976	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	201825	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	794585	78.606	ng	0.00
7) Phenol-d6	6.434	99	976466	75.568	ng	0.00
23) Nitrobenzene-d5	7.363	82	590318	64.358	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	199721	79.312	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1078477	72.592	ng	0.00
79) Terphenyl-d14	12.922	244	980438	68.053	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	270	Below Cal	#	84
19) n-Nitroso-di-n-propyla...	7.363	70	78818	10.188	ng	# 71
25) Isophorone	7.363	82	581880	29.085	ng	# 65
32) Benzoic acid	8.081	122	117	7.884	ng	# 1
48) 2-Nitroaniline	9.375	65	64	3.179	ng	# 8
50) Dimethylphthalate	9.834	163	50667	3.009	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	32613	11.458	ng	# 17
54) 2,4-Dinitrophenol	10.128	184	128	6.905	ng	# 13
57) 2,4-Dinitrotoluene	9.992	165	1269	3.137	ng	# 32
65) 4,6-Dinitro-2-methylph...	10.663	198	546	8.998	ng	74
67) 4-Bromophenyl-phenylether	10.622	248	12981	3.203	ng	# 1
71) Phenanthrene	11.345	178	149366	7.595	ng	98
72) Anthracene	11.398	178	43794	2.180	ng	98
75) Fluoranthene	12.545	202	536103	25.807	ng	97
78) Pyrene	12.775	202	996355	45.336	ng	98
81) Benzo(a)anthracene	13.969	228	470029	25.882	ng	96
83) Chrysene	14.004	228	456549	25.804	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	25789	2.949	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	126131	10.626	ng	# 95
88) Benzo(b)fluoranthene	15.016	252	375963	30.543	ng	# 95
89) Benzo(k)fluoranthene	15.016	252	375963	30.661	ng	# 96
90) Benzo(a)pyrene	15.386	252	265779	23.158	ng	# 97
91) Dibenzo(a,h)anthracene	16.957	278	33786	3.522	ng	# 85
92) Benzo(g,h,i)perylene	17.398	276	153357	15.672	ng	# 93

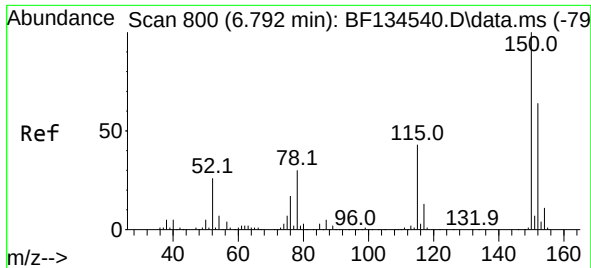
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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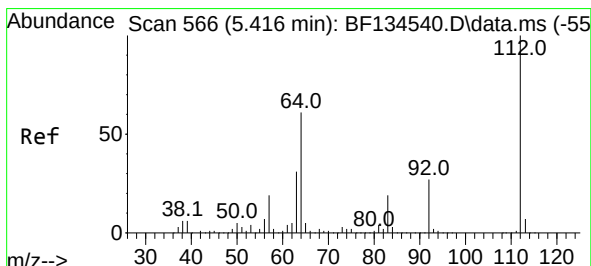
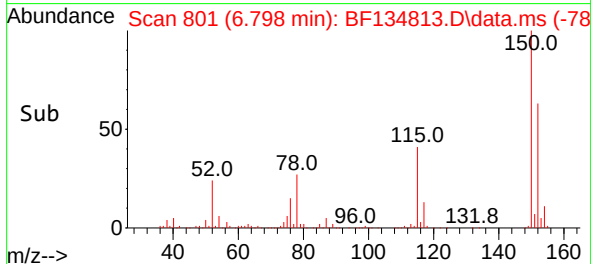
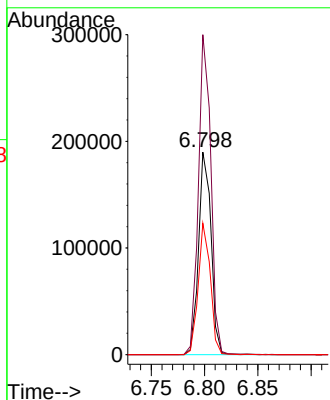
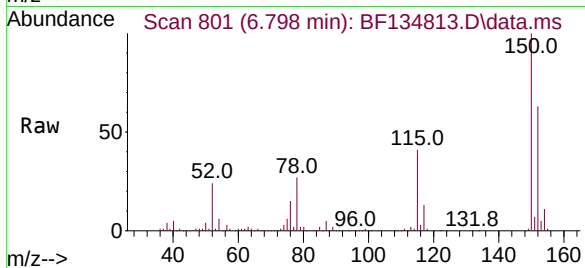




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

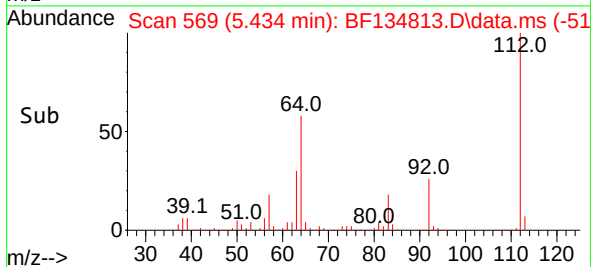
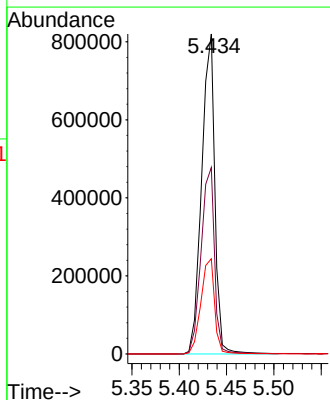
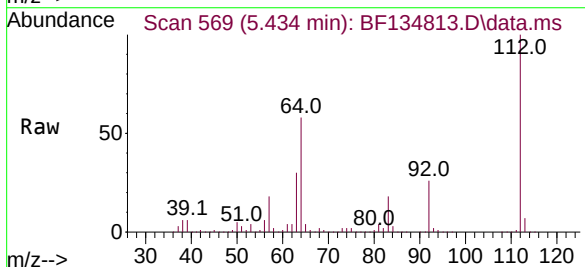
Instrument :
BNA_F
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B-PP11

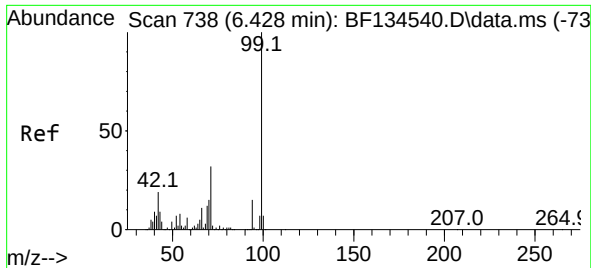
Tgt Ion:152 Resp: 153658
Ion Ratio Lower Upper
152 100
150 158.0 128.3 192.5
115 64.8 52.4 78.6



#5
2-Fluorophenol
Concen: 78.606 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Tgt Ion:112 Resp: 794585
Ion Ratio Lower Upper
112 100
64 58.2 44.9 67.3
63 29.7 25.4 38.0

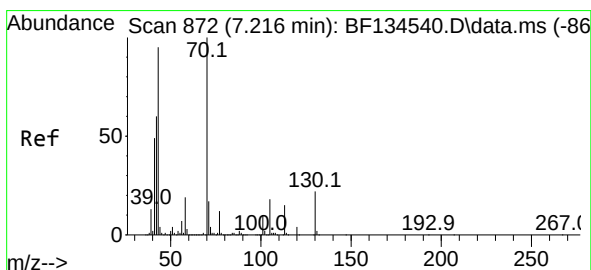
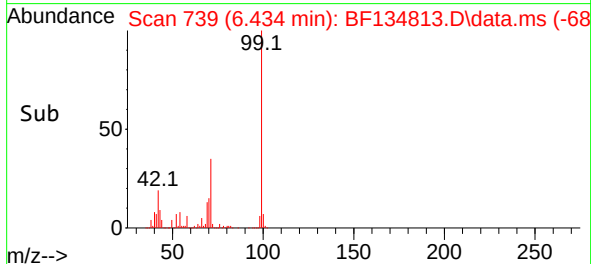
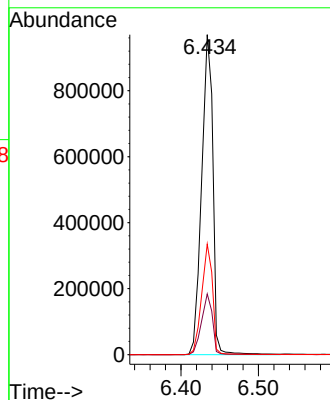
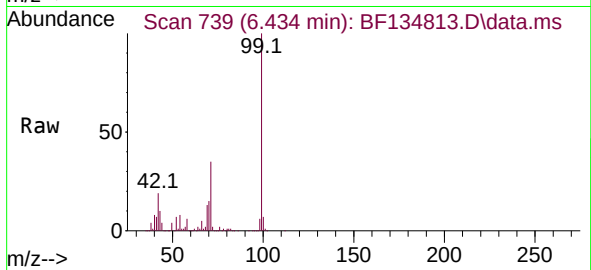




#7
Phenol-d6
Concen: 75.568 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

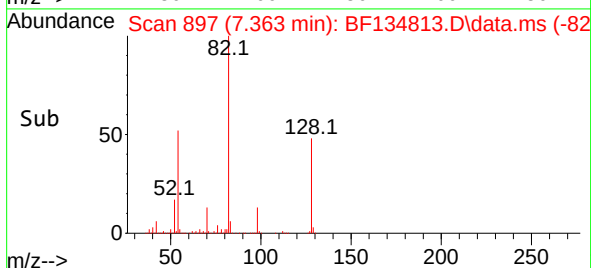
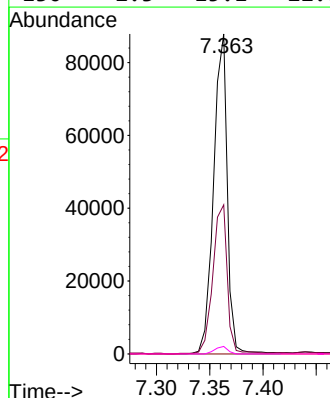
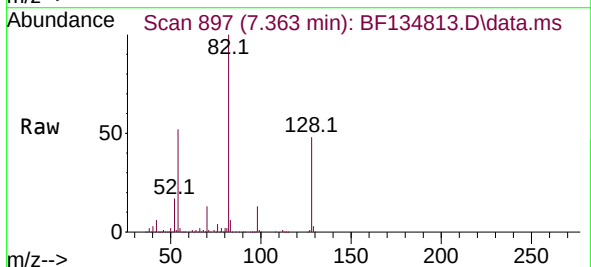
Instrument :
BNA_F
ClientSampleId :
B-PP11

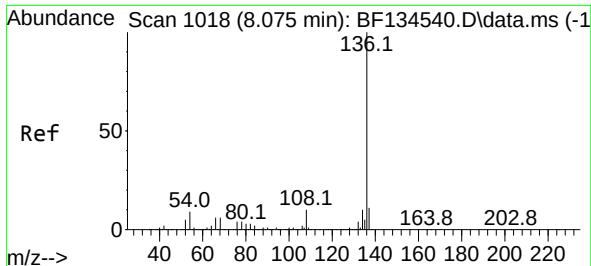
Tgt Ion: 99 Resp: 976466
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 34.5 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.188 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Tgt Ion: 70 Resp: 78818
Ion Ratio Lower Upper
70 100
42 46.6 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#

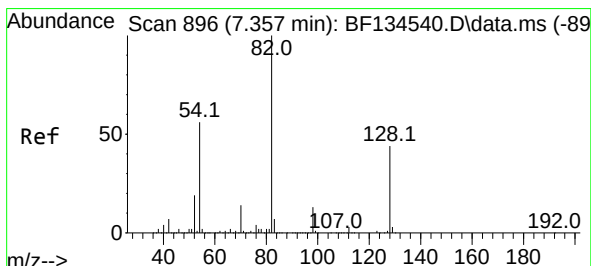
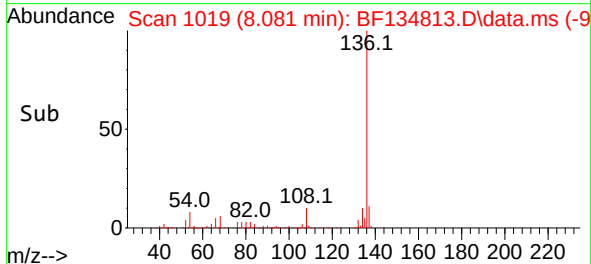
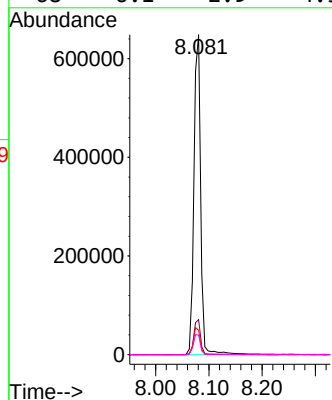
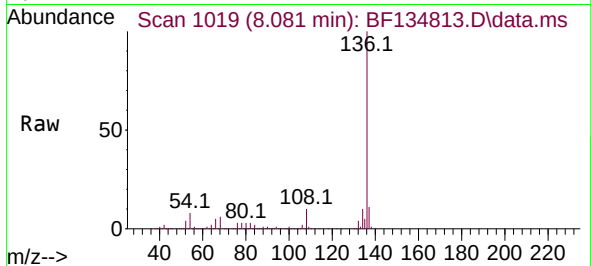




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

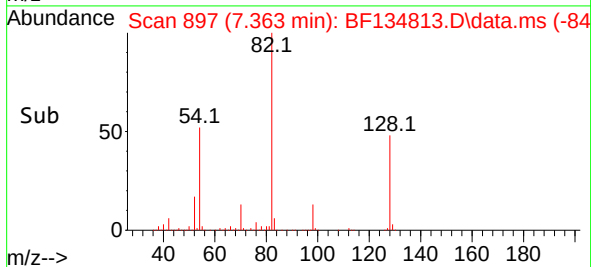
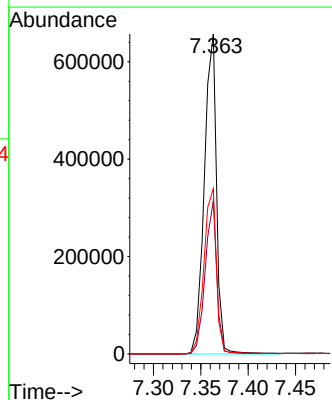
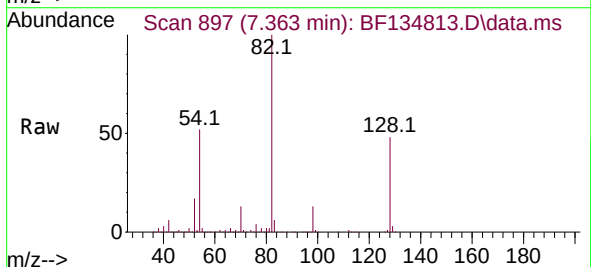
Instrument :
BNA_F
ClientSampleId :
B-PP11

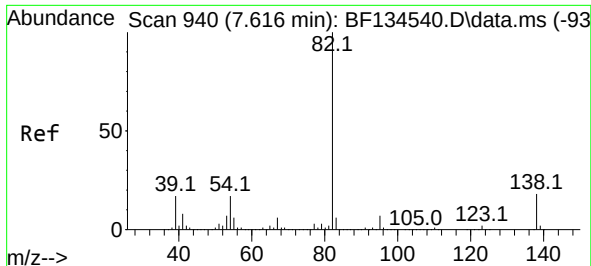
Tgt Ion:136 Resp: 573206
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.6 5.2 7.8
68 6.1 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 64.358 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Tgt Ion: 82 Resp: 590318
Ion Ratio Lower Upper
82 100
128 47.7 34.3 51.5
54 51.6 43.8 65.6

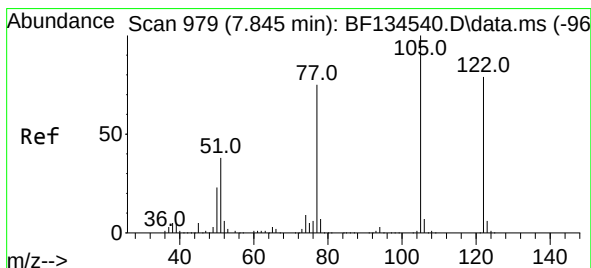
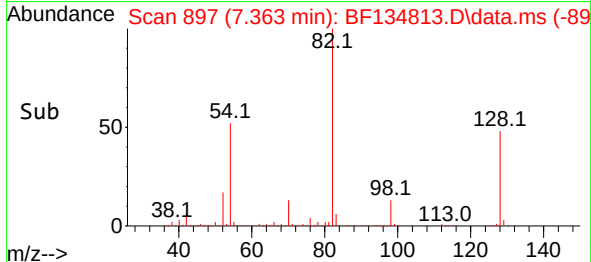
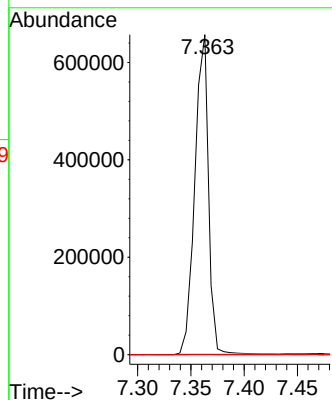
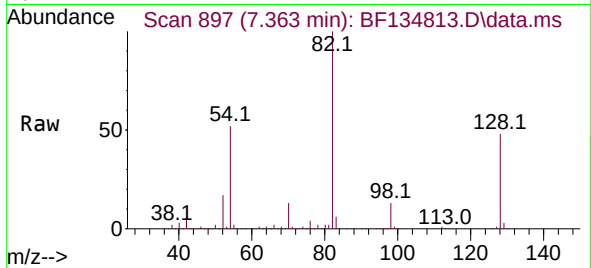




#25
Isophorone
Concen: 29.085 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

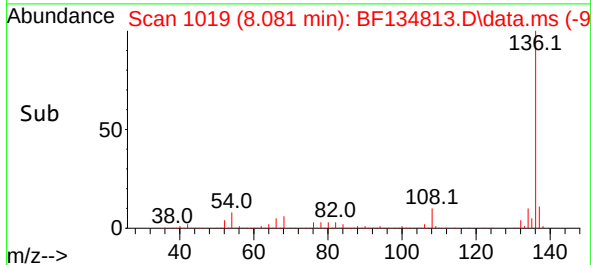
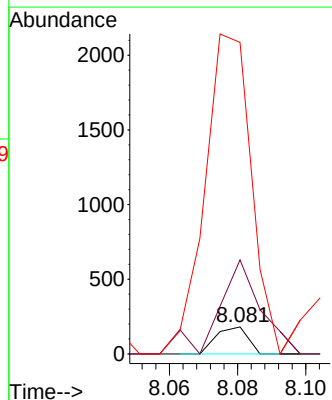
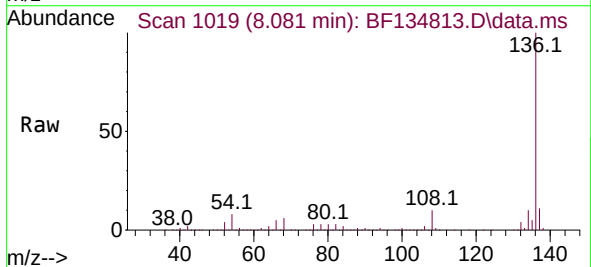
Instrument :
BNA_F
ClientSampleId :
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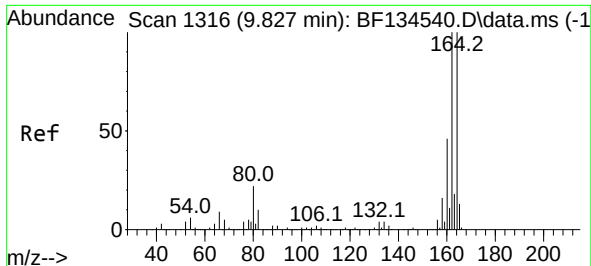
Tgt Ion: 82 Resp: 581880
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.884 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.218 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Tgt Ion: 122 Resp: 117
Ion Ratio Lower Upper
122 100
105 348.1 87.5 127.5#
77 1152.5 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

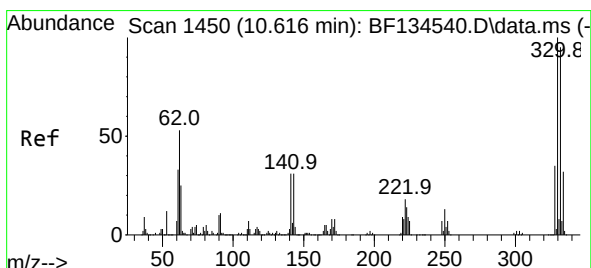
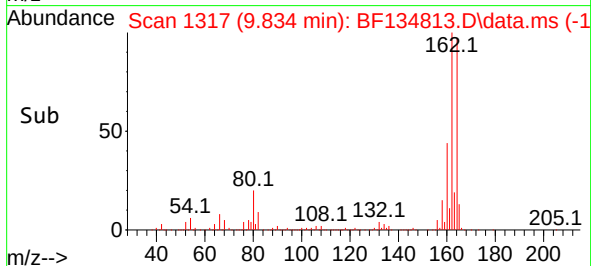
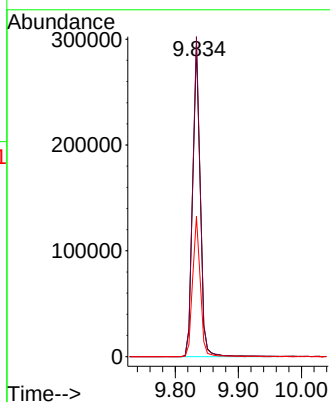
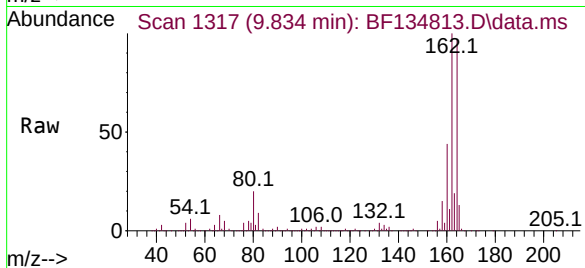
Tgt Ion:164 Resp: 247022

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

160 45.2 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 79.312 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

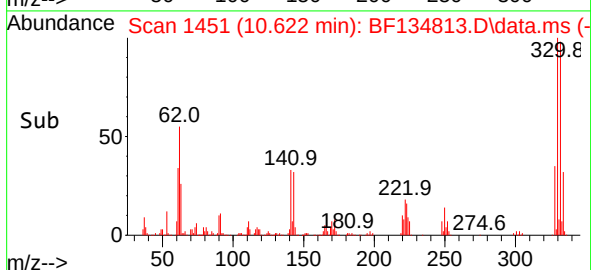
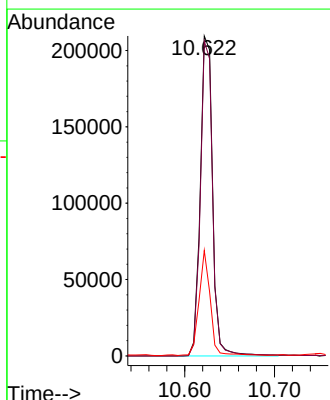
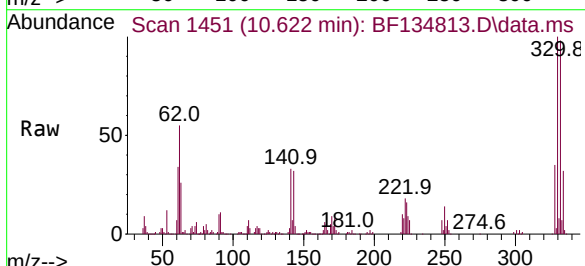
Tgt Ion:330 Resp: 199721

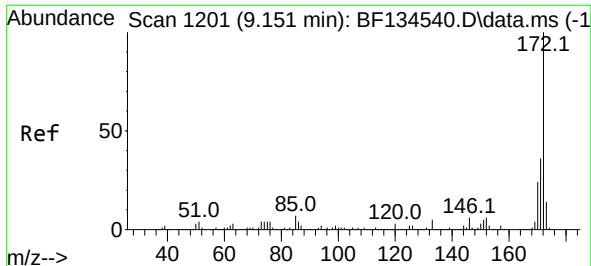
Ion Ratio Lower Upper

330 100

332 97.7 78.8 118.2

141 29.7 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 72.592 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

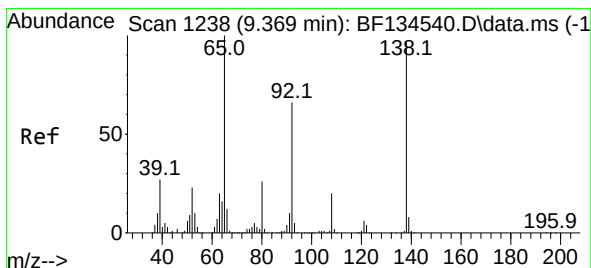
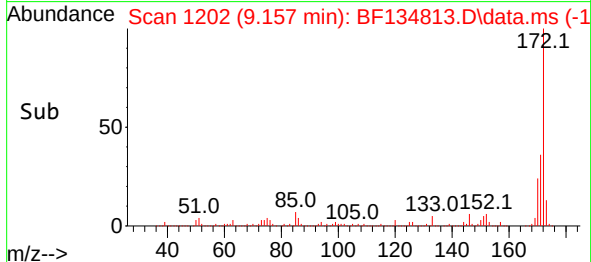
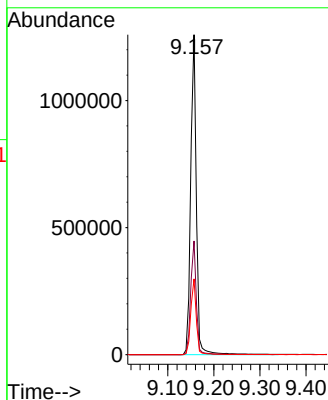
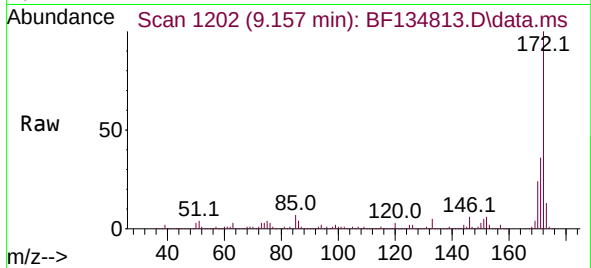
Tgt Ion:172 Resp: 1078477

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.179 ng

RT: 9.375 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

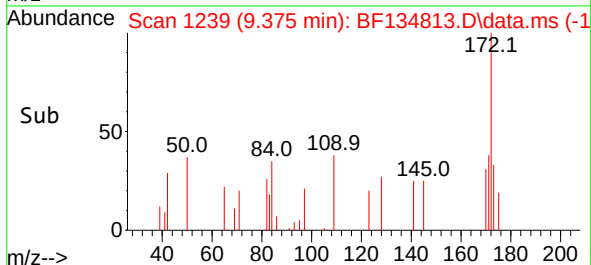
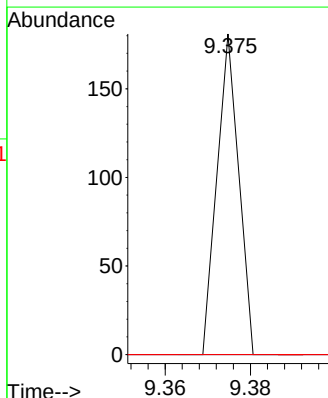
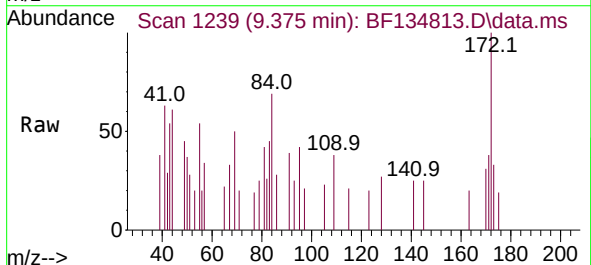
Tgt Ion: 65 Resp: 64

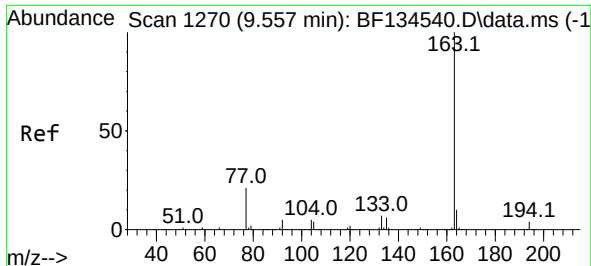
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

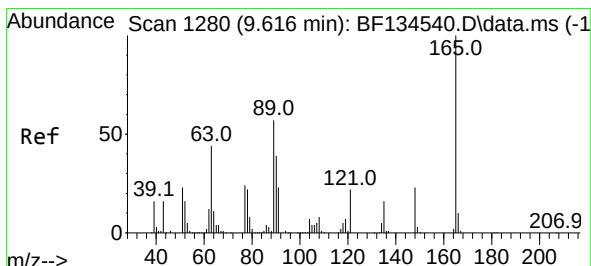
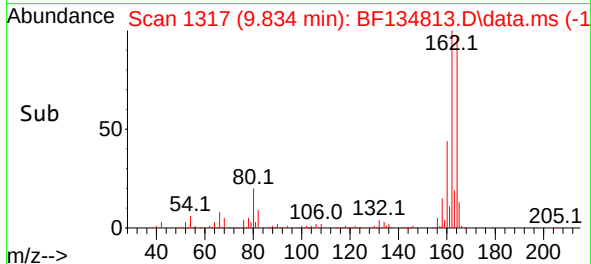
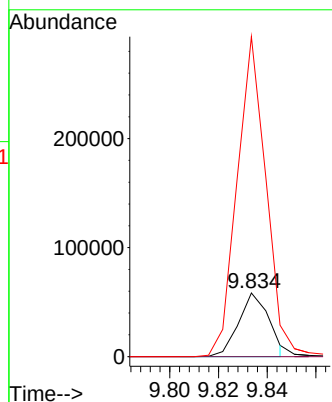
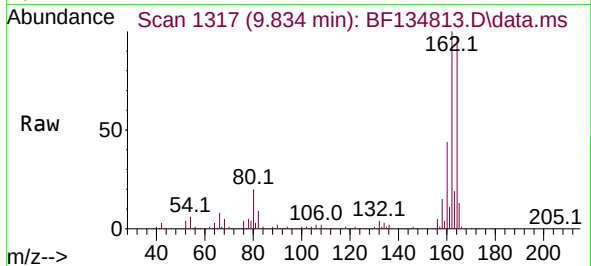




#50
Dimethylphthalate
Concen: 3.009 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

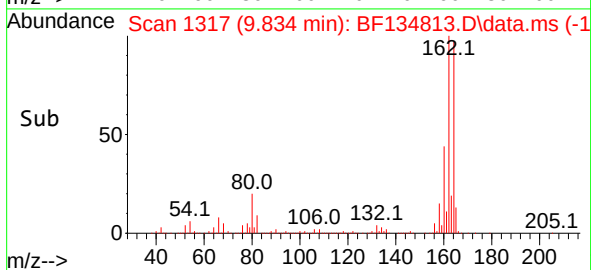
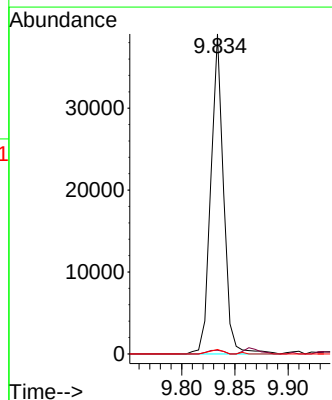
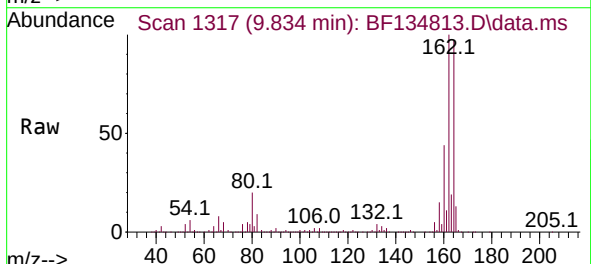
Instrument :
BNA_F
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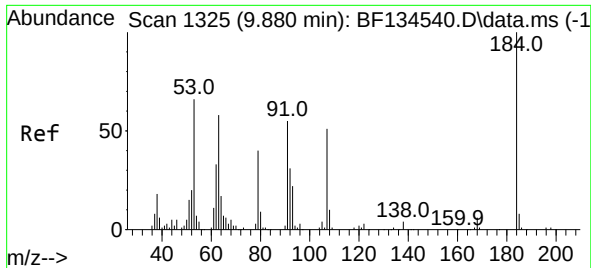
Tgt Ion:163 Resp: 50667
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 502.9 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.458 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Tgt Ion:165 Resp: 32613
Ion Ratio Lower Upper
165 100
63 1.1 57.8 86.6#
89 1.4 51.8 77.8#

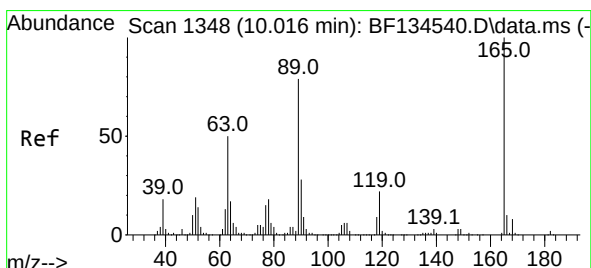
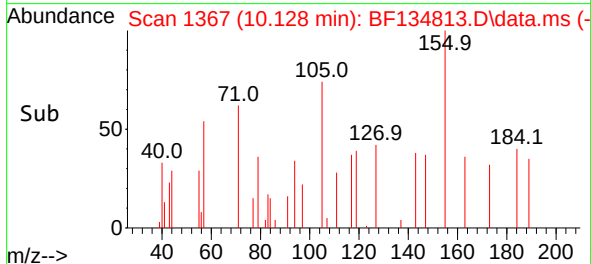
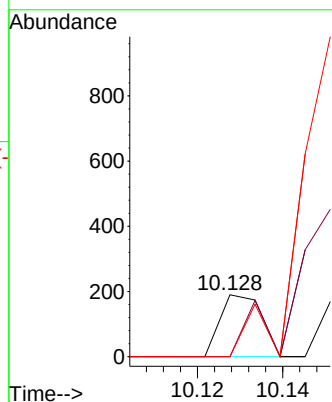
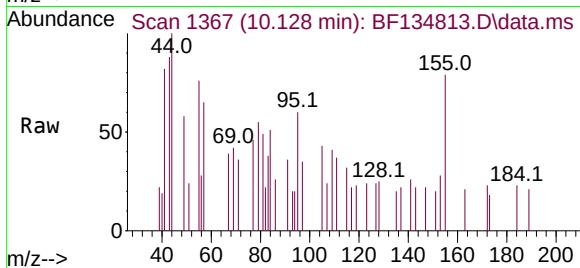




#54
2,4-Dinitrophenol
Concen: 6.905 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.230 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

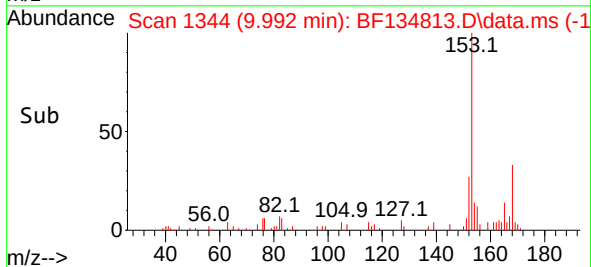
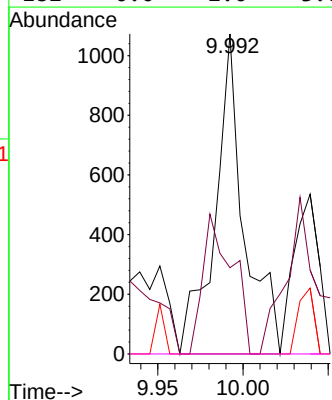
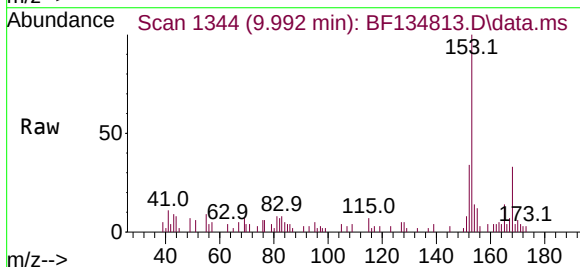
Instrument :
BNA_F
ClientSampleId :
B-PP11

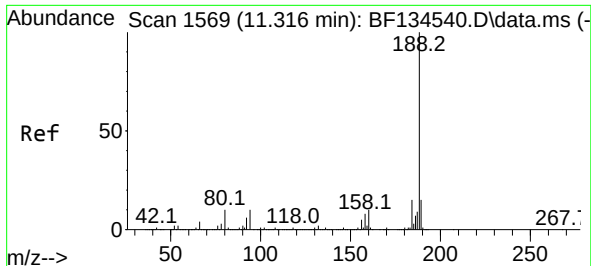
Tgt Ion:184 Resp: 128
Ion Ratio Lower Upper
184 100
63 0.0 57.1 85.7#
154 0.0 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 3.137 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.035 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Tgt Ion:165 Resp: 1269
Ion Ratio Lower Upper
165 100
63 26.9 48.9 73.3#
89 0.0 61.7 92.5#
182 0.0 2.0 3.0#

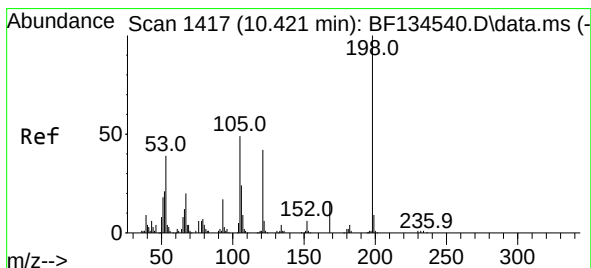
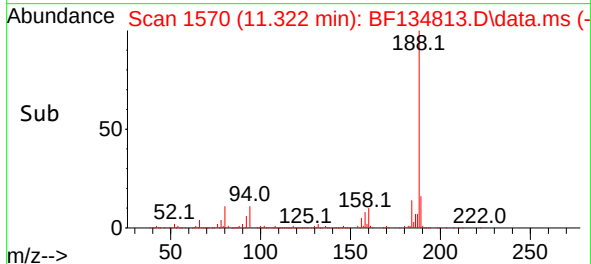
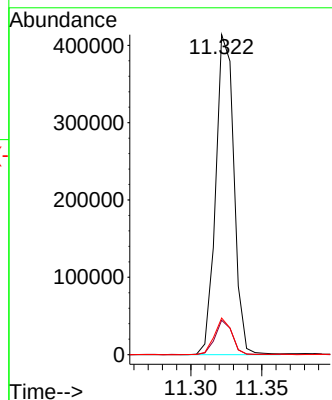
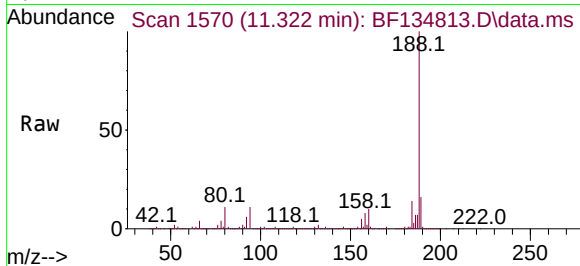




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

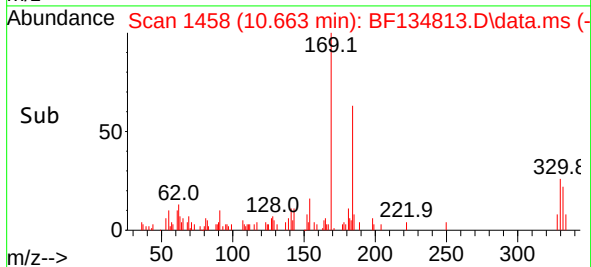
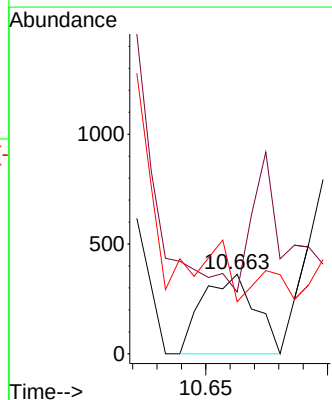
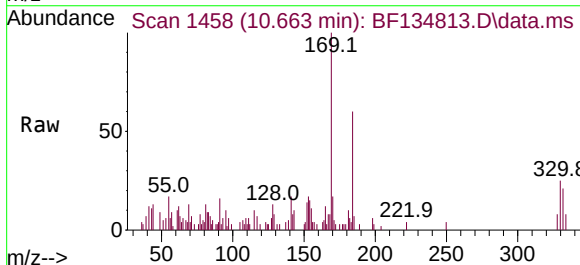
Instrument :
BNA_F
ClientSampleId :
B-PP11

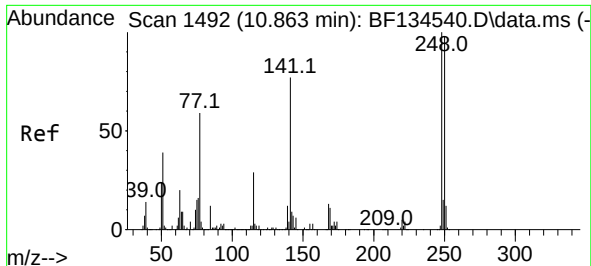
Tgt Ion:188 Resp: 370250
Ion Ratio Lower Upper
188 100
94 10.7 5.1 7.7#
80 11.4 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.998 ng
RT: 10.663 min Scan# 1458
Delta R.T. 0.224 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Tgt Ion:198 Resp: 546
Ion Ratio Lower Upper
198 100
51 77.6 38.6 78.6
105 65.7 27.9 67.9

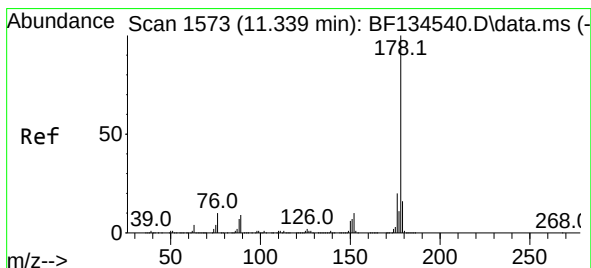
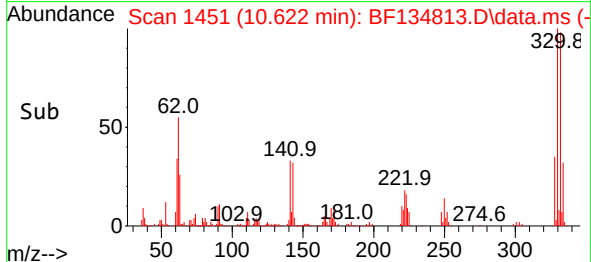
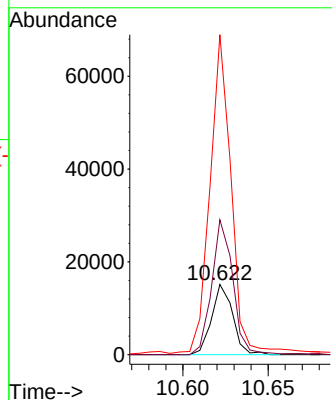
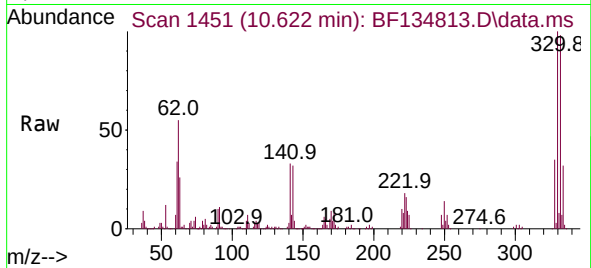




#67
4-Bromophenyl-phenylether
Concen: 3.203 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

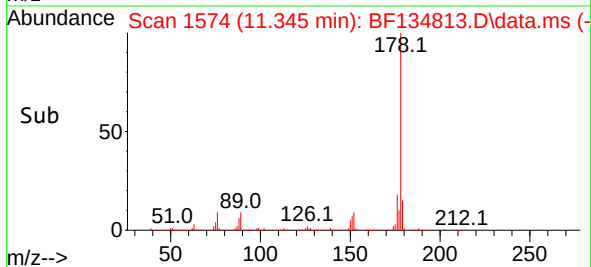
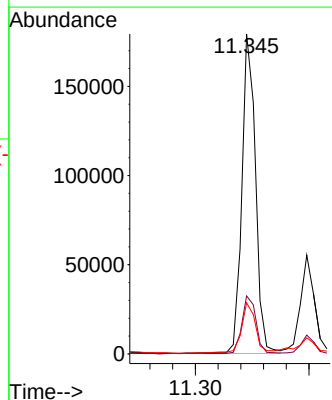
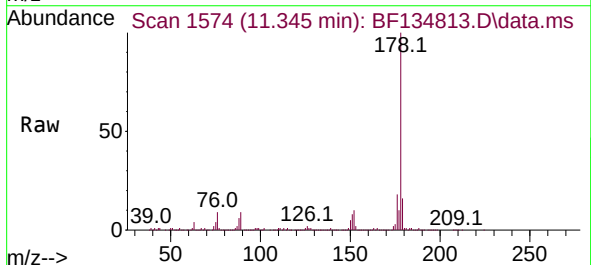
Instrument :
BNA_F
ClientSampleId :
B-PP11

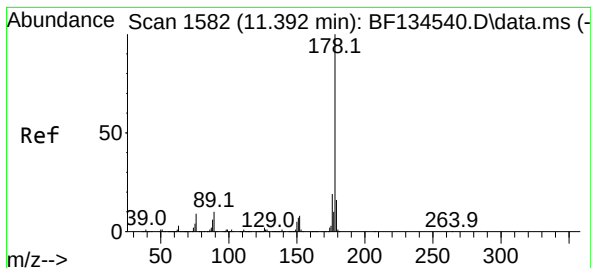
Tgt Ion:248 Resp: 12981
Ion Ratio Lower Upper
248 100
250 192.4 79.6 119.4#
141 456.4 59.6 89.4#



#71
Phenanthrene
Concen: 7.595 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134813.D
Acq: 16 Aug 2023 17:32

Tgt Ion:178 Resp: 149366
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 16.0 12.7 19.1





#72

Anthracene

Concen: 2.180 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

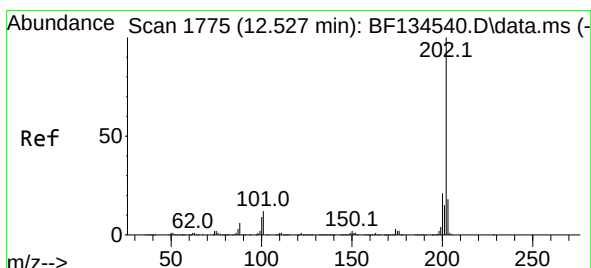
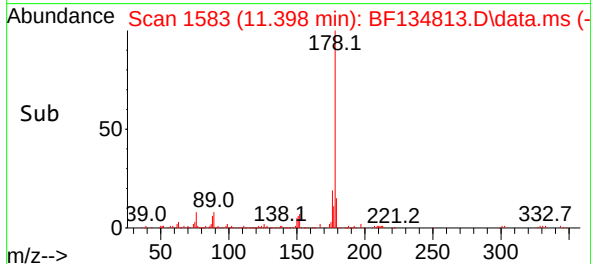
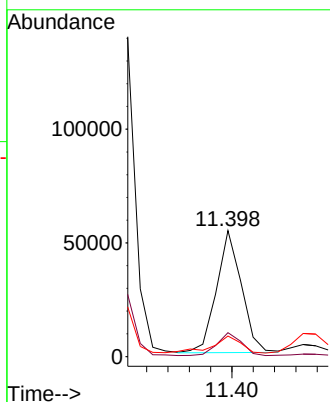
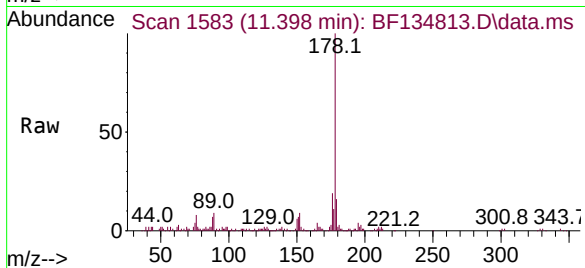
Tgt Ion:178 Resp: 43794

Ion Ratio Lower Upper

178 100

176 19.0 14.6 21.8

179 16.3 12.3 18.5



#75

Fluoranthene

Concen: 25.807 ng

RT: 12.545 min Scan# 1778

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

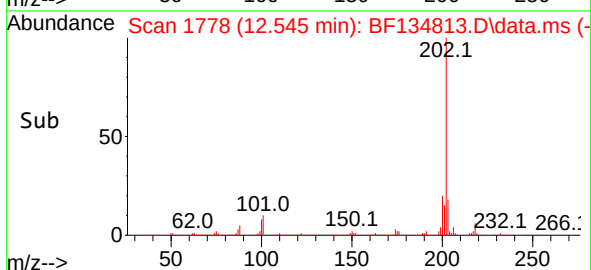
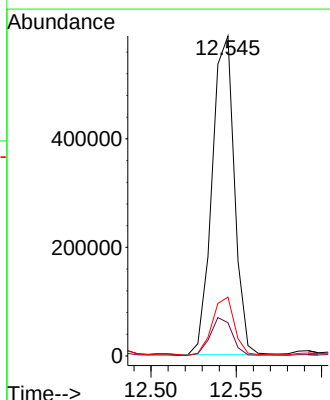
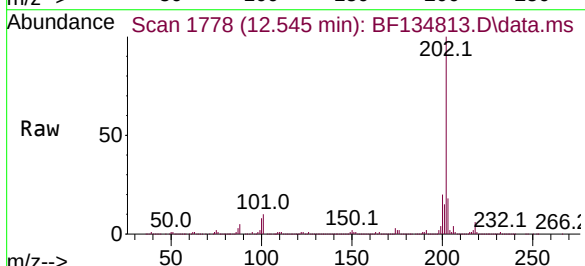
Tgt Ion:202 Resp: 536103

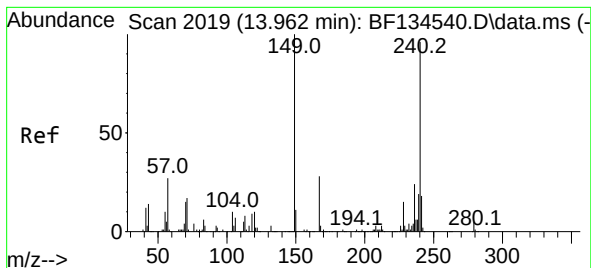
Ion Ratio Lower Upper

202 100

101 10.4 0.0 28.5

203 18.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

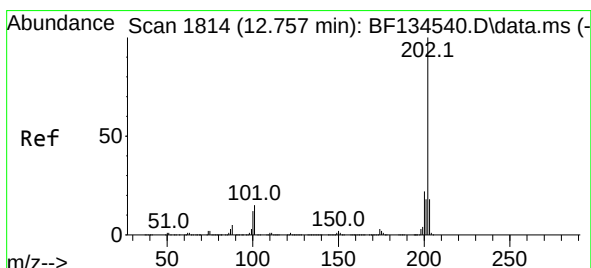
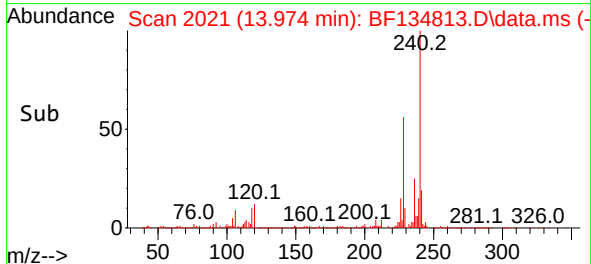
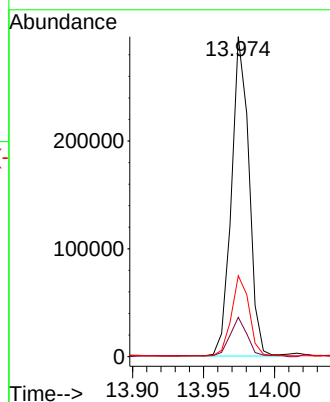
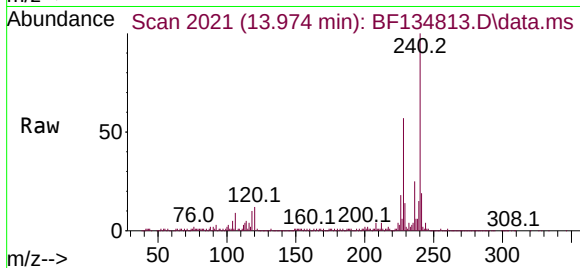
Tgt Ion:240 Resp: 253976

Ion Ratio Lower Upper

240 100

120 12.3 6.6 10.0#

236 25.3 20.2 30.2



#78

Pyrene

Concen: 45.336 ng

RT: 12.775 min Scan# 1817

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

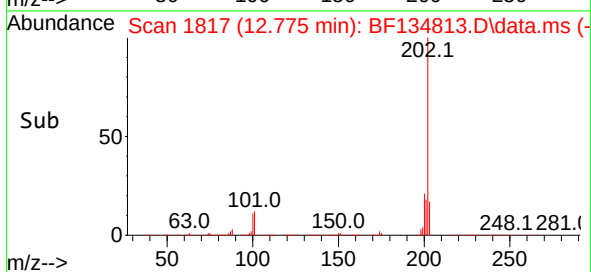
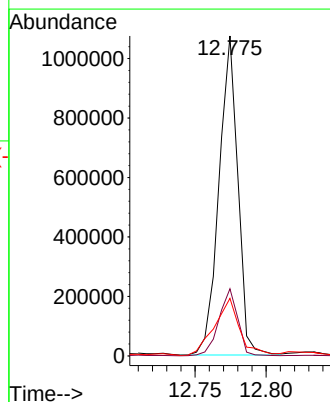
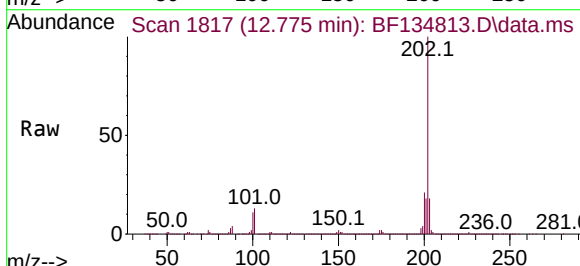
Tgt Ion:202 Resp: 996355

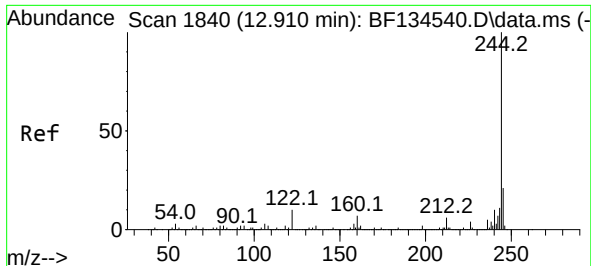
Ion Ratio Lower Upper

202 100

200 21.0 15.8 23.8

203 18.0 13.5 20.3

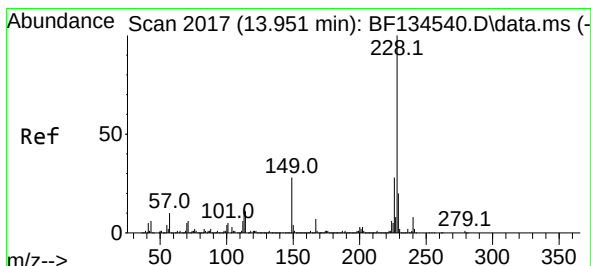
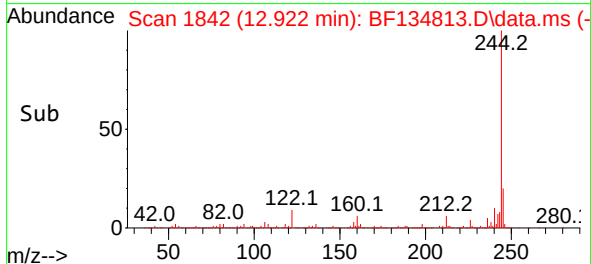
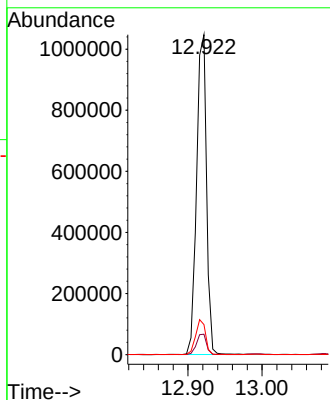
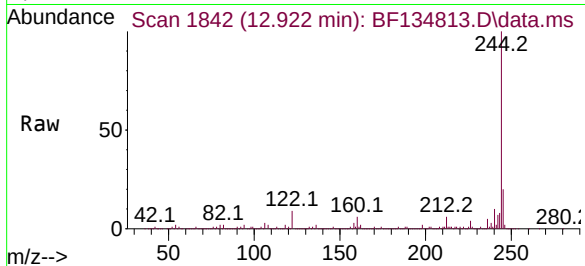




#79
 Terphenyl-d14
 Concen: 68.053 ng
 RT: 12.922 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF134813.D
 Acq: 16 Aug 2023 17:32

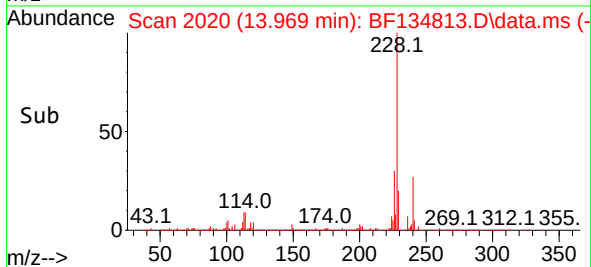
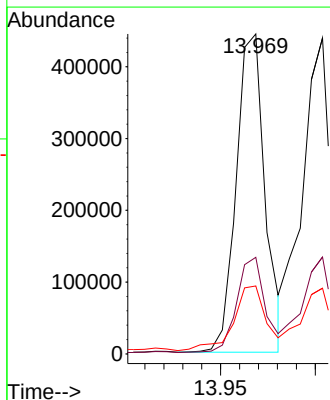
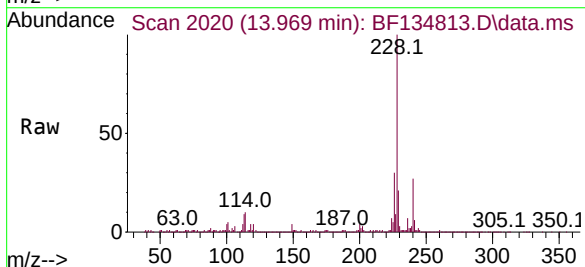
Instrument :
 BNA_F
 ClientSampleId :
 B-PP11

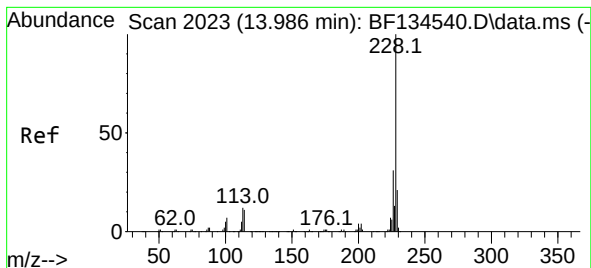
Tgt Ion:244 Resp: 980438
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.4 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 25.882 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. 0.006 min
 Lab File: BF134813.D
 Acq: 16 Aug 2023 17:32

Tgt Ion:228 Resp: 470029
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.3 33.5
 229 21.3 15.8 23.6





#83

Chrysene

Concen: 25.804 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

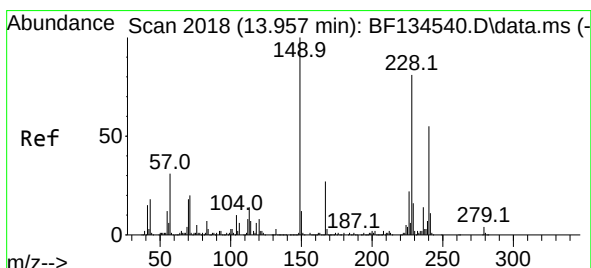
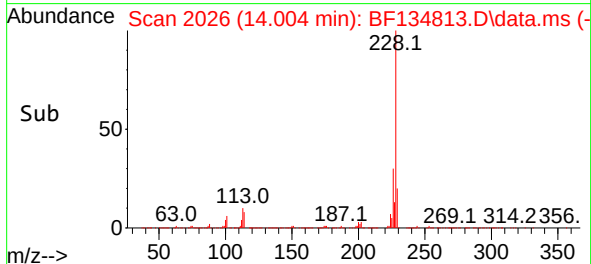
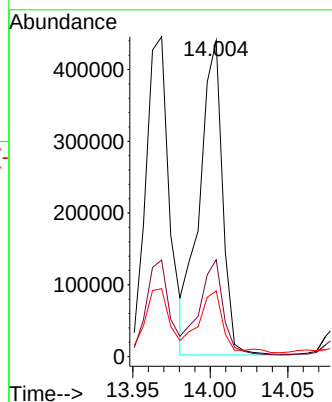
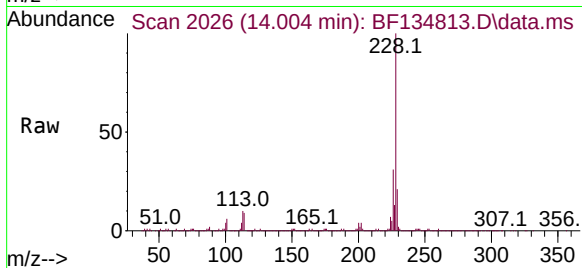
Tgt Ion:228 Resp: 456549

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

229 20.8 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.949 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

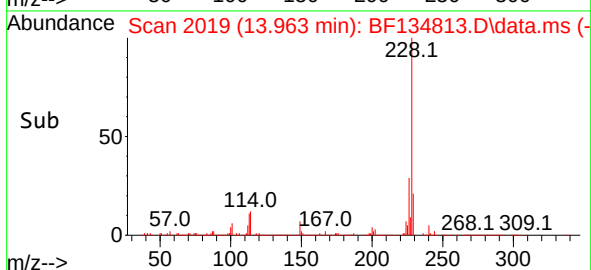
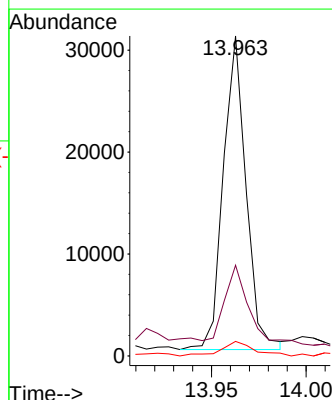
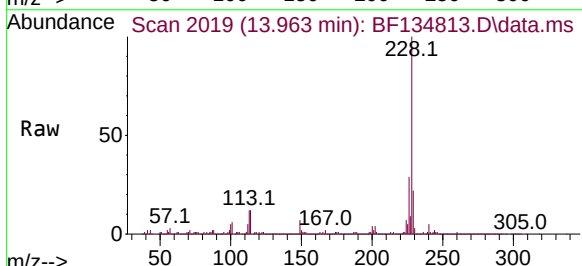
Tgt Ion:149 Resp: 25789

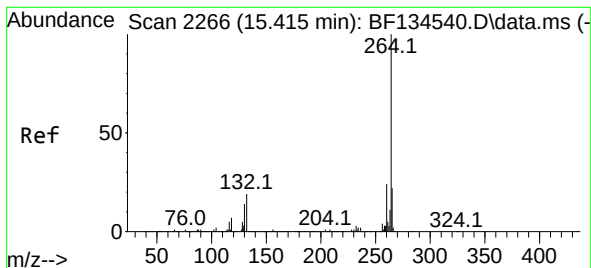
Ion Ratio Lower Upper

149 100

167 28.3 21.6 32.4

279 4.5 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

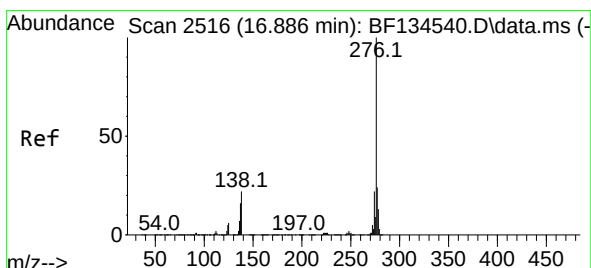
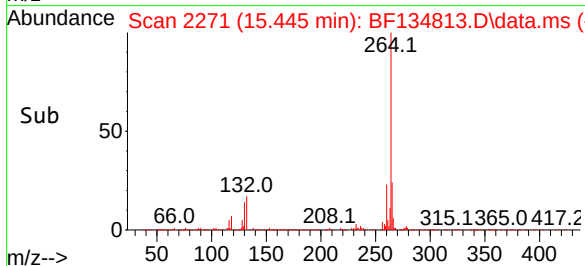
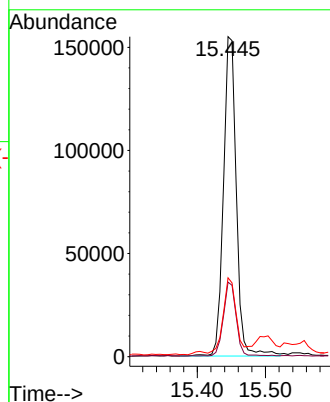
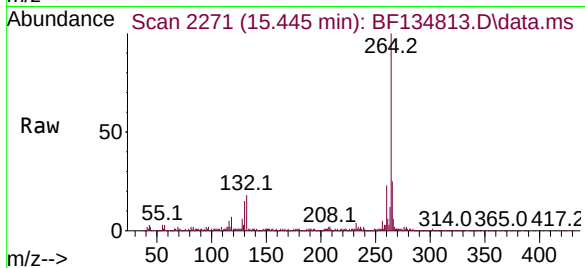
Tgt Ion:264 Resp: 201825

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 24.6 15.8 23.8#



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.626 ng

RT: 16.939 min Scan# 2525

Delta R.T. 0.012 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

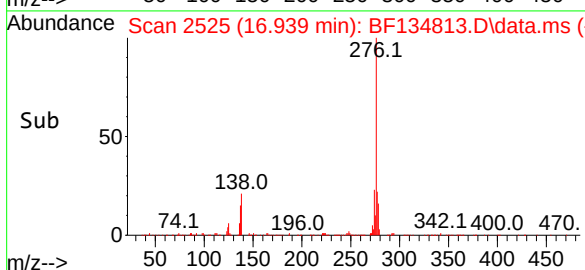
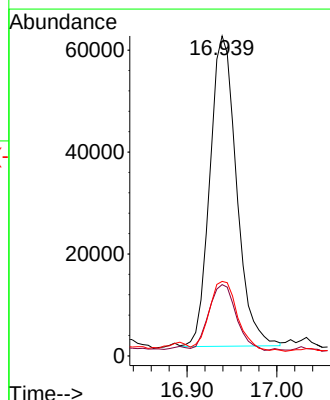
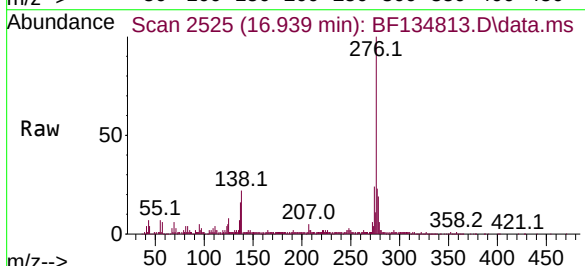
Tgt Ion:276 Resp: 126131

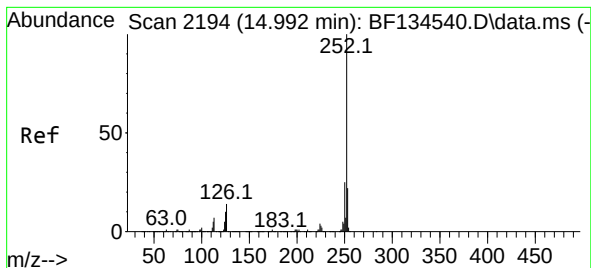
Ion Ratio Lower Upper

276 100

138 22.4 14.2 21.4#

277 24.4 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 30.543 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11

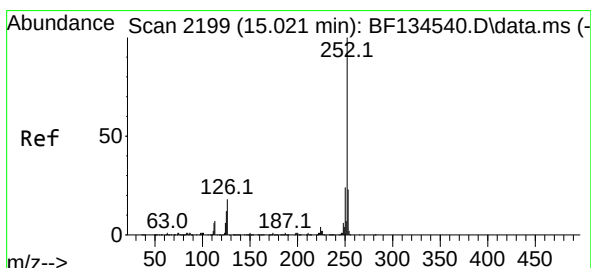
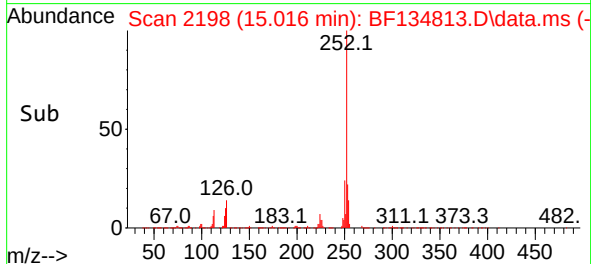
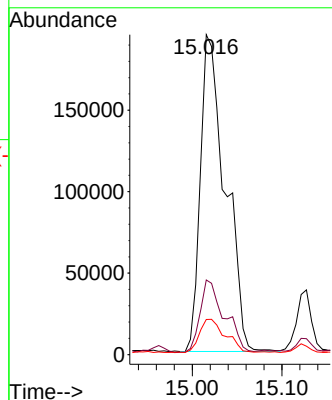
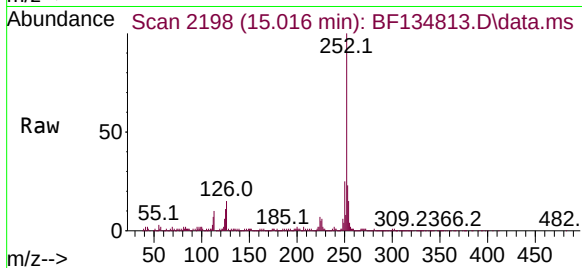
Tgt Ion:252 Resp: 375963

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 11.0 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 30.661 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

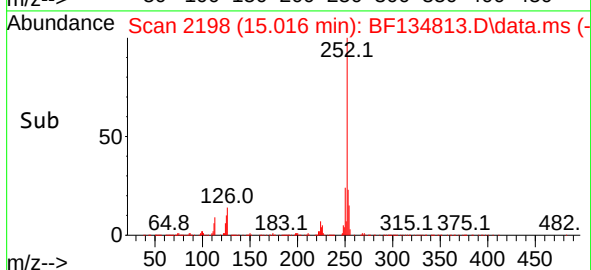
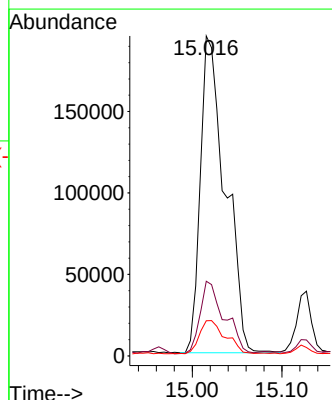
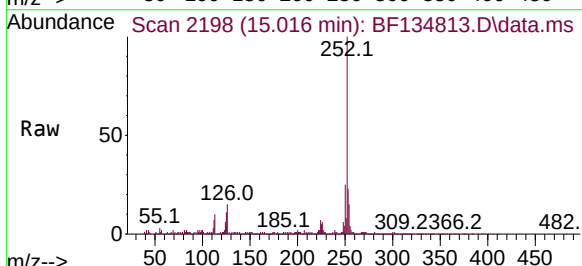
Tgt Ion:252 Resp: 375963

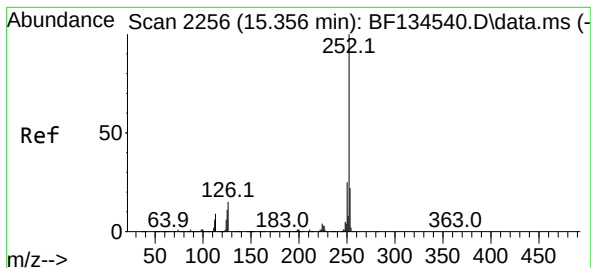
Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 11.0 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 23.158 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

Instrument :

BNF

ClientSampleId :

B-PP11

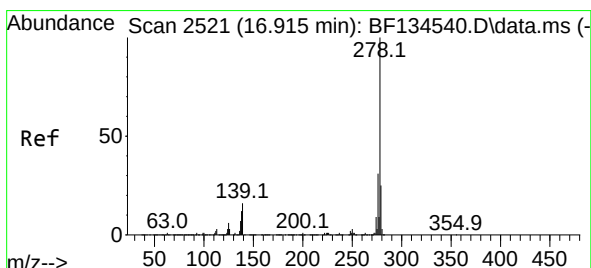
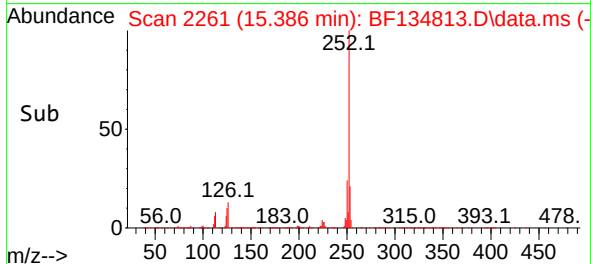
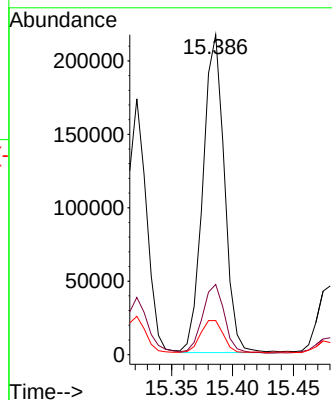
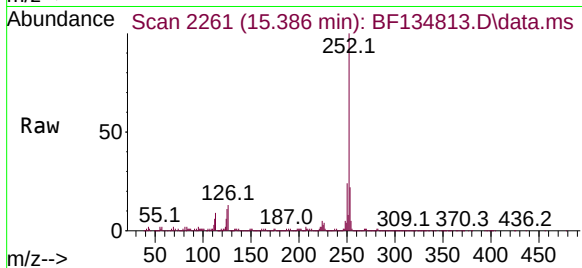
Tgt Ion:252 Resp: 265779

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

125 10.6 6.2 9.4#



#91

Dibenzo(a,h)anthracene

Concen: 3.522 ng

RT: 16.957 min Scan# 2528

Delta R.T. 0.006 min

Lab File: BF134813.D

Acq: 16 Aug 2023 17:32

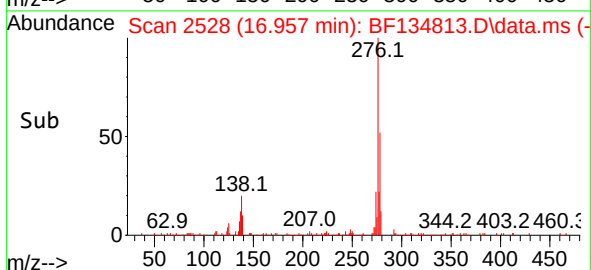
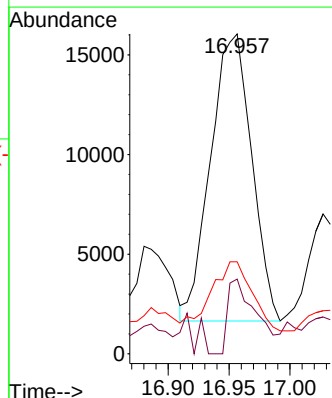
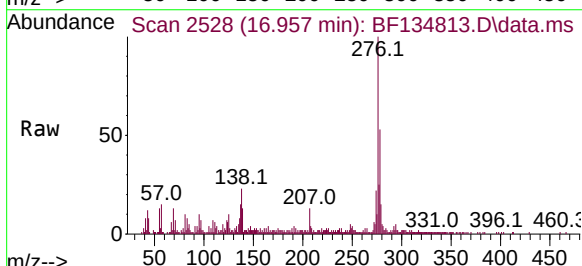
Tgt Ion:278 Resp: 33786

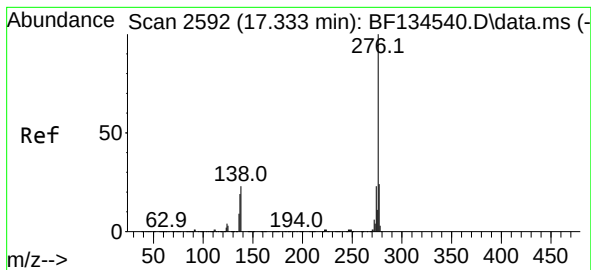
Ion Ratio Lower Upper

278 100

139 23.4 10.0 15.0#

279 28.8 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 15.672 ng

RT: 17.398 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF134813.D

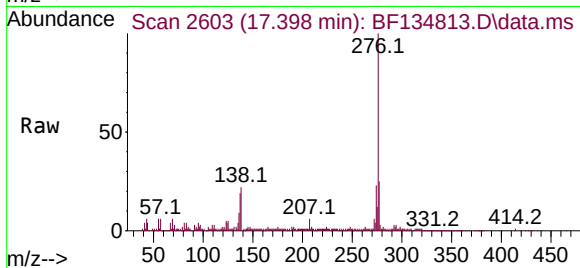
Acq: 16 Aug 2023 17:32

Instrument :

BNA_F

ClientSampleId :

B-PP11



Tgt Ion:276 Resp: 153357

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.6

138 22.0 12.2 18.2#

