

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134801.D
 Acq On : 16 Aug 2023 11:01
 Operator : CG\JU
 Sample : 04003-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081423

Quant Time: Aug 17 01:30:38 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

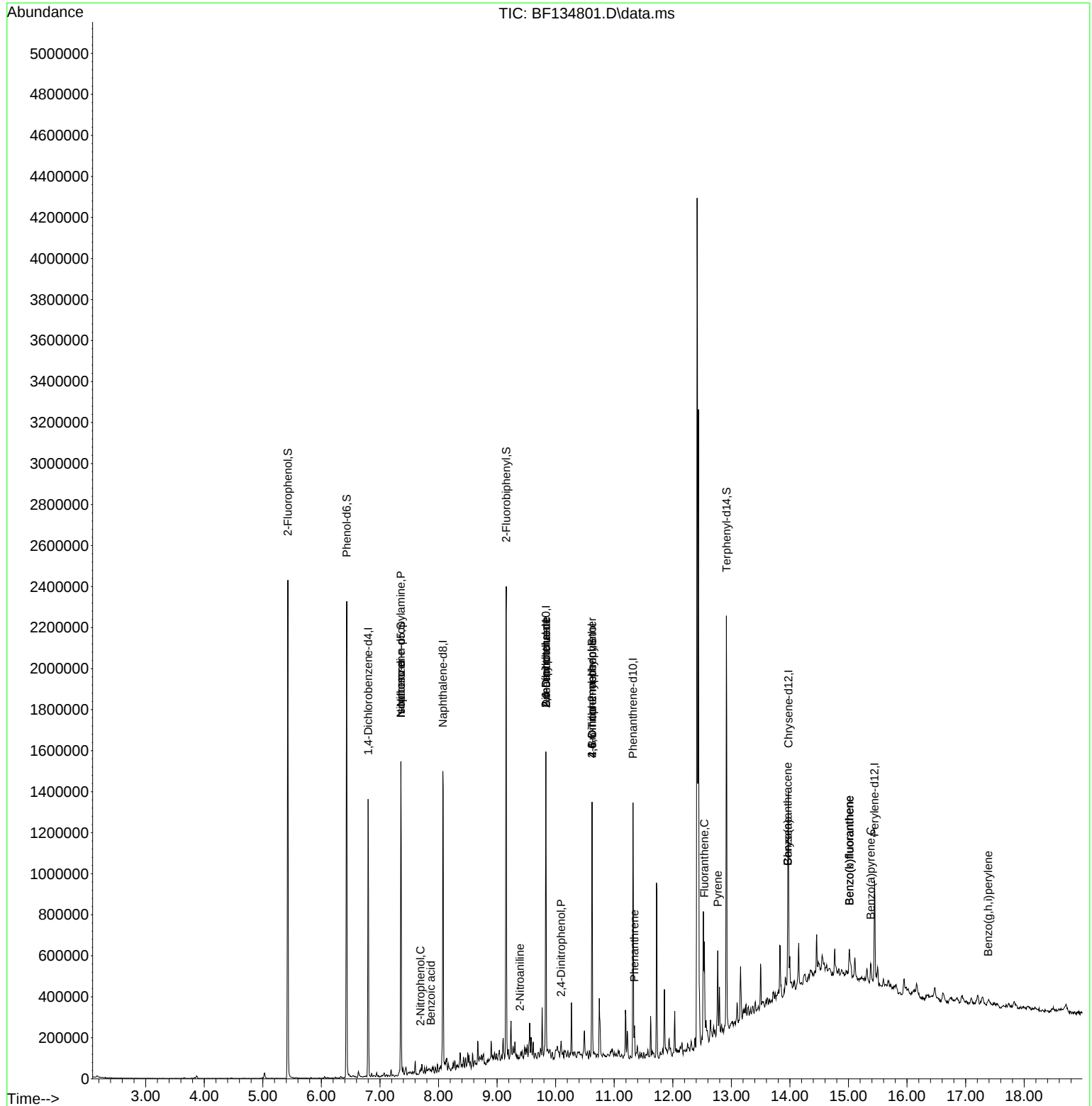
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	179545	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	648165	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	275100	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	427034	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	311309	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	238425	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	632277	53.531	ng	0.00
7) Phenol-d6	6.434	99	761651	50.445	ng	0.00
23) Nitrobenzene-d5	7.357	82	451843	43.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	146100	52.097	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	739355	44.686	ng	0.00
79) Terphenyl-d14	12.916	244	685015	38.791	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	206	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	58655	6.488	ng	# 24
25) Isophorone	7.357	82	449443	19.867	ng	# 65
26) 2-Nitrophenol	7.692	139	223	4.834	ng	# 1
32) Benzoic acid	7.869	122	111	7.881	ng	# 39
48) 2-Nitroaniline	9.392	65	452	3.251	ng	# 1
50) Dimethylphthalate	9.833	163	56608	3.019	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	37454	11.738	ng	# 18
54) 2,4-Dinitrophenol	10.092	184	53	6.827	ng	# 23
57) 2,4-Dinitrotoluene	9.833	165	37454	10.443	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	416	8.896	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	9418	2.015	ng	# 1
71) Phenanthrene	11.345	178	50034	2.206	ng	97
75) Fluoranthene	12.539	202	187325	7.818	ng	96
78) Pyrene	12.769	202	161826	6.007	ng	99
81) Benzo(a)anthracene	13.963	228	72929	3.276	ng	97
83) Chrysene	13.963	228	72929	3.363	ng	95
88) Benzo(b)fluoranthene	15.015	252	85070	5.850	ng	# 85
89) Benzo(k)fluoranthene	15.015	252	85070	5.873	ng	# 87
90) Benzo(a)pyrene	15.380	252	42183	3.111	ng	# 86
92) Benzo(g,h,i)perylene	17.386	276	23811	2.060	ng	# 89

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

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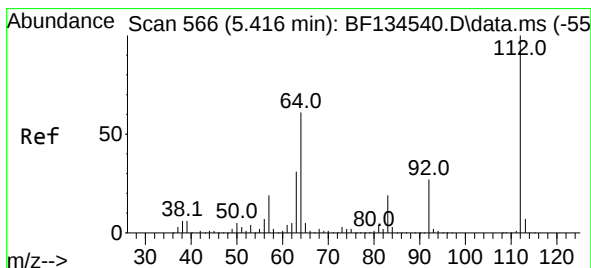
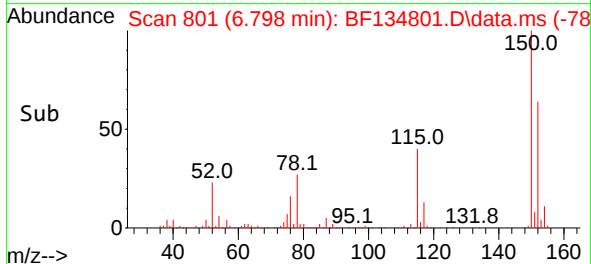
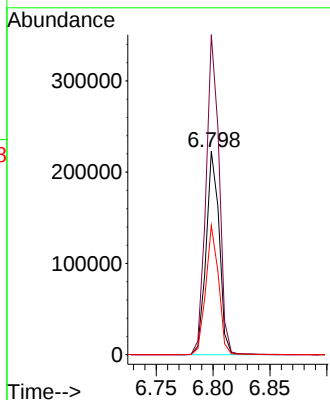
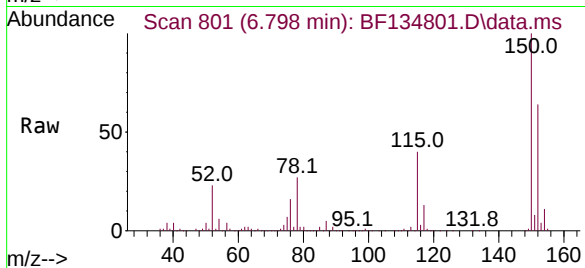




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

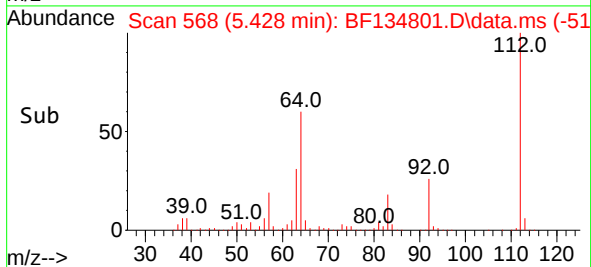
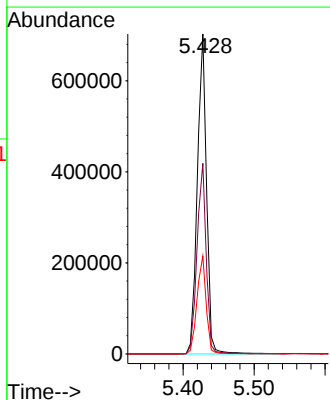
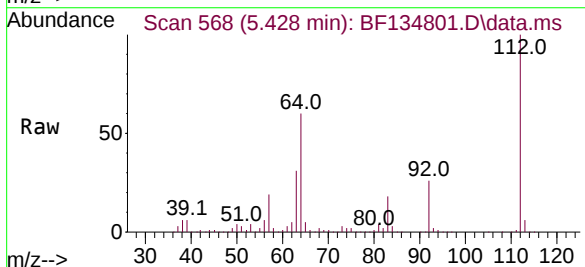
Instrument :
BNA_F
ClientSampleId :
TR-05-081423

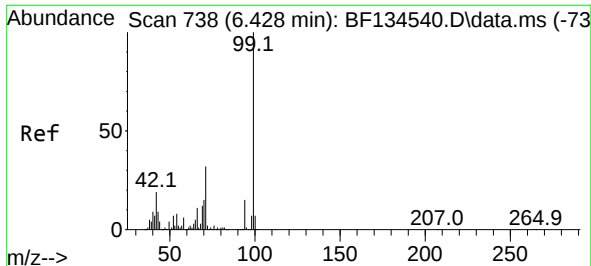
Tgt Ion:152 Resp: 179545
Ion Ratio Lower Upper
152 100
150 157.4 128.3 192.5
115 63.5 52.4 78.6



#5
2-Fluorophenol
Concen: 53.531 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion:112 Resp: 632277
Ion Ratio Lower Upper
112 100
64 59.5 44.9 67.3
63 30.6 25.4 38.0

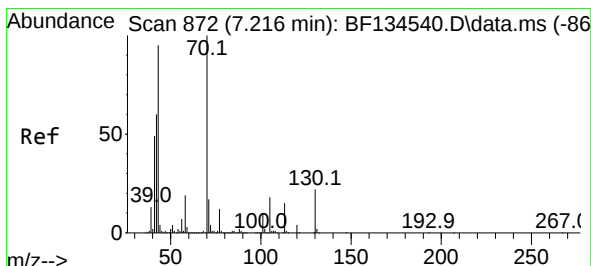
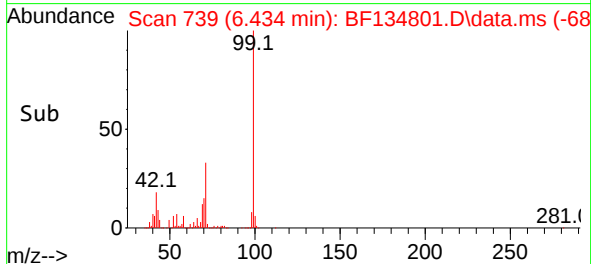
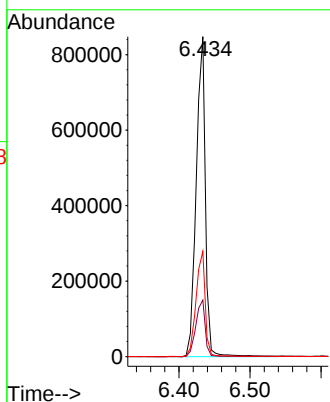
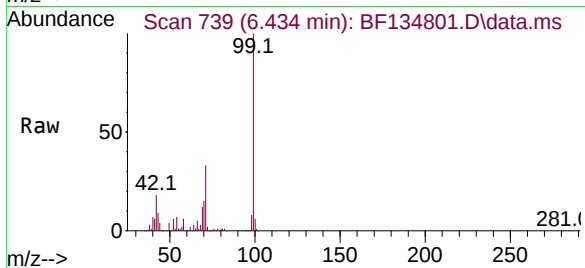




#7
Phenol-d6
Concen: 50.445 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

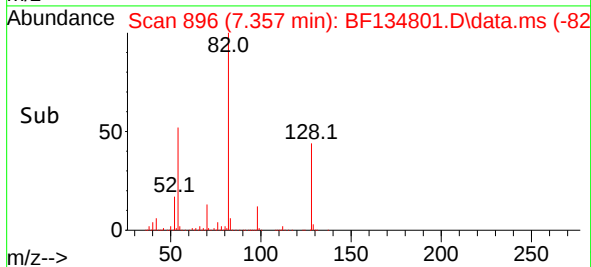
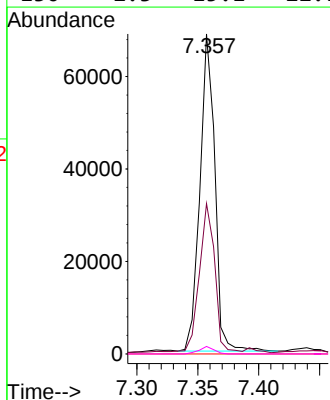
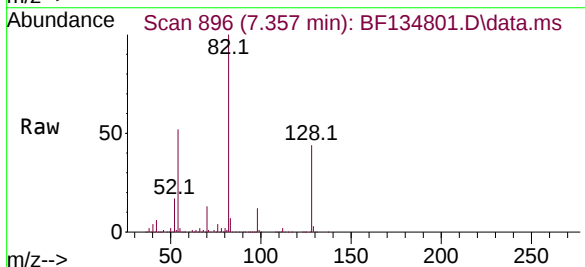
Instrument :
BNA_F
ClientSampleId :
TR-05-081423

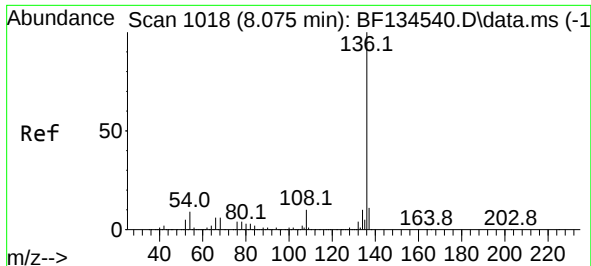
Tgt Ion: 99 Resp: 761651
Ion Ratio Lower Upper
99 100
42 17.7 18.7 28.1#
71 32.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 6.488 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion: 70 Resp: 58655
Ion Ratio Lower Upper
70 100
42 47.0 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#

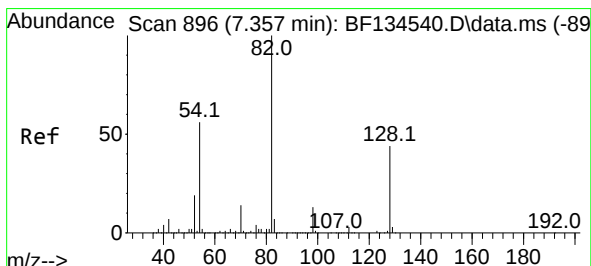
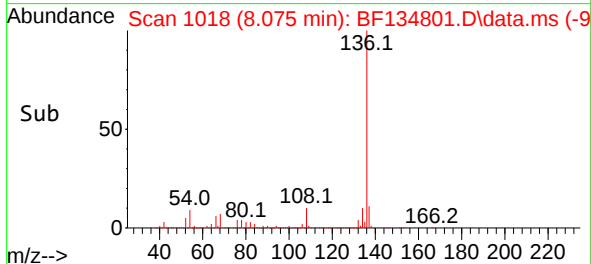
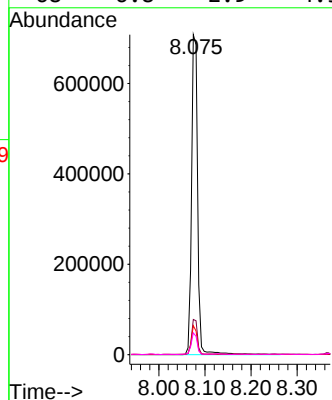
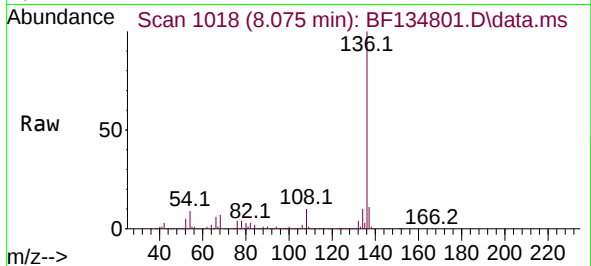




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

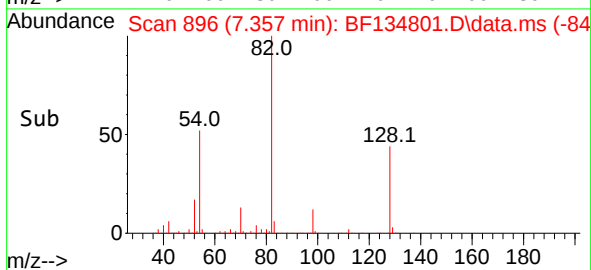
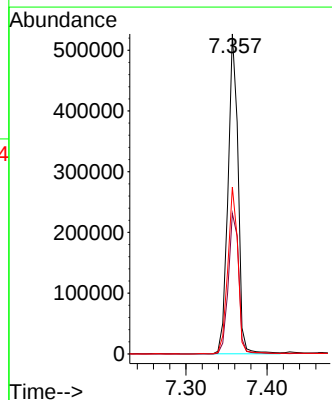
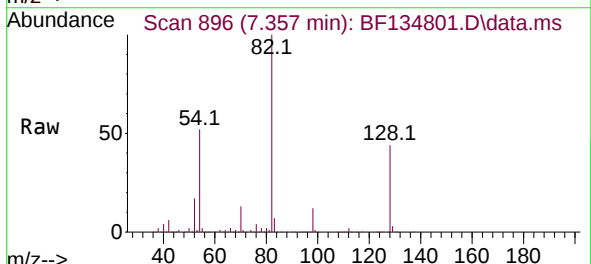
Instrument :
BNA_F
ClientSampleId :
TR-05-081423

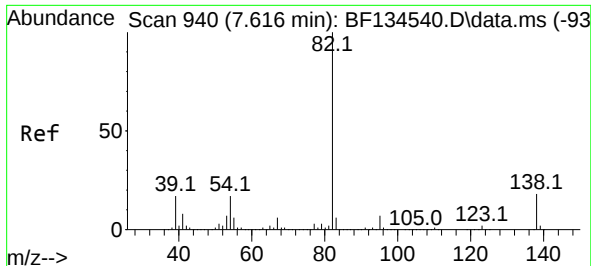
Tgt Ion:	136	Resp:	648165
Ion Ratio	100	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.0	5.2	7.8#
68	6.8	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 43.564 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion:	82	Resp:	451843
Ion Ratio	100	Lower	Upper
82	100		
128	43.9	34.3	51.5
54	52.1	43.8	65.6

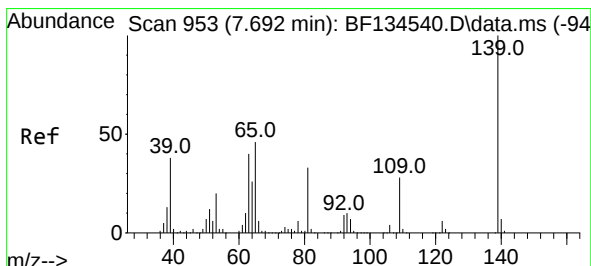
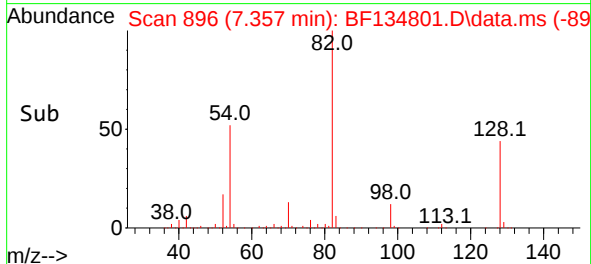
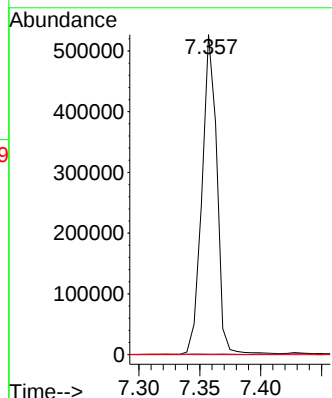
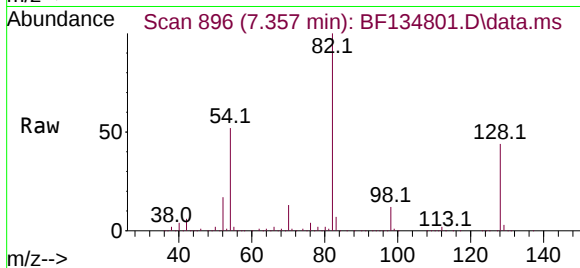




#25
Isophorone
Concen: 19.867 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

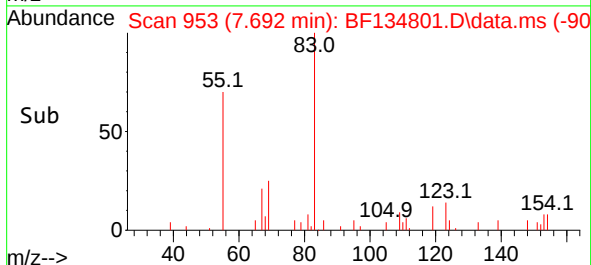
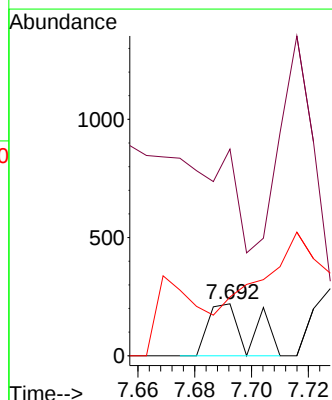
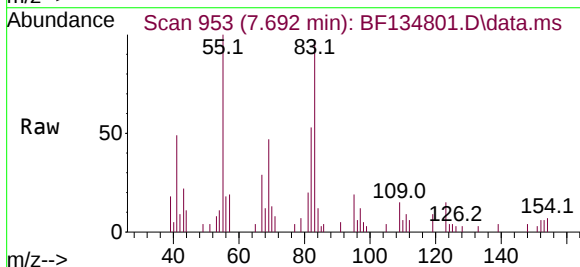
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ClientSampleId :
TR-05-081423

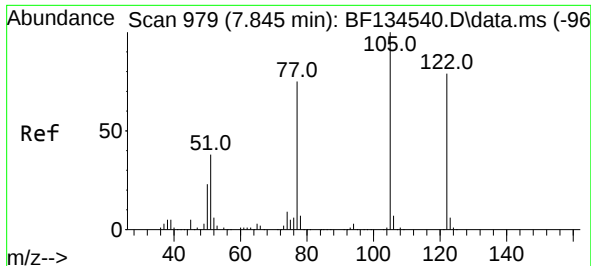
Tgt Ion: 82 Resp: 449443
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.834 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion: 139 Resp: 223
Ion Ratio Lower Upper
139 100
109 397.3 29.8 44.6#
65 112.7 45.4 68.2#

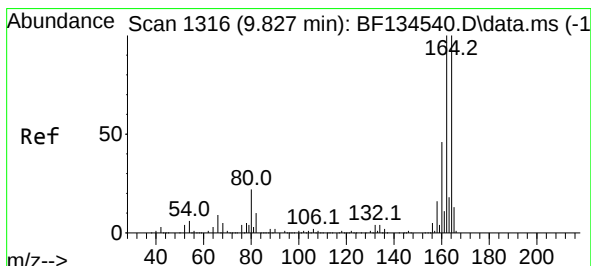
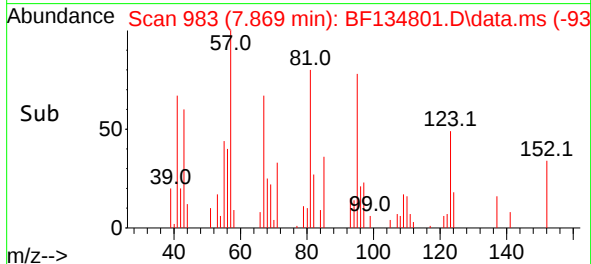
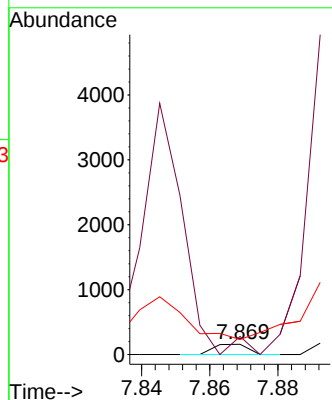
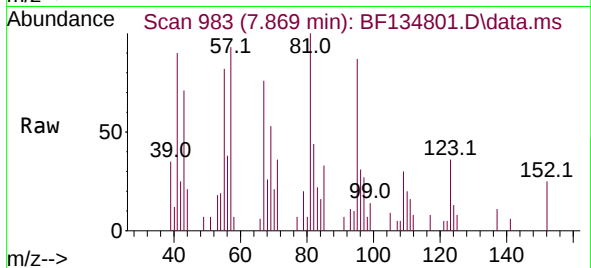




#32
Benzoic acid
Concen: 7.881 ng
RT: 7.869 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

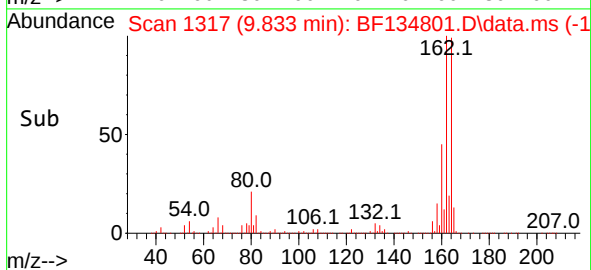
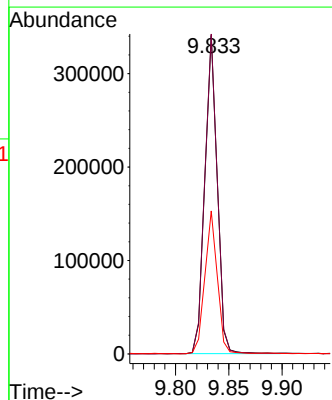
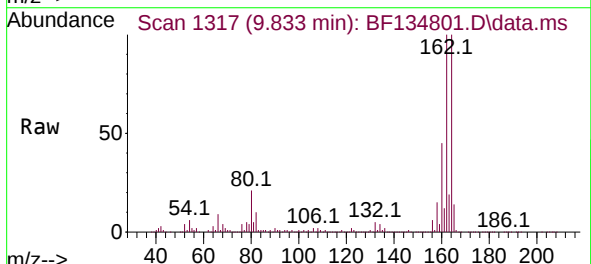
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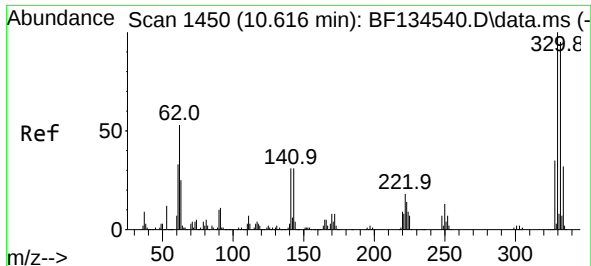
Tgt Ion:122 Resp: 111
Ion Ratio Lower Upper
122 100
105 175.0 87.5 127.5#
77 145.6 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion:164 Resp: 275100
Ion Ratio Lower Upper
164 100
162 100.5 82.6 123.8
160 44.9 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 52.097 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

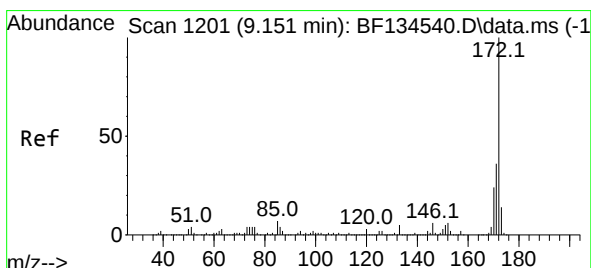
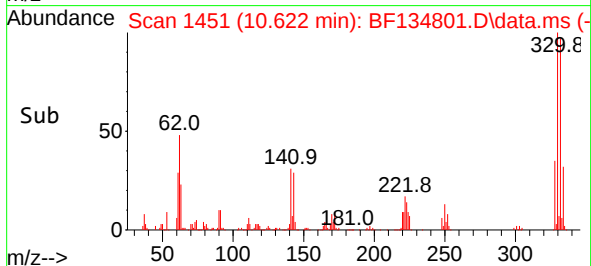
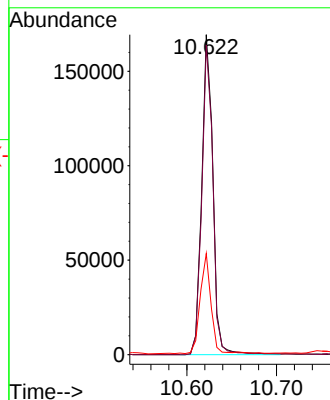
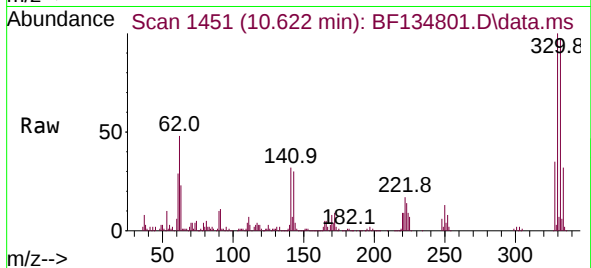
Tgt Ion:330 Resp: 146100

Ion Ratio Lower Upper

330 100

332 96.8 78.8 118.2

141 29.8 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 44.686 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

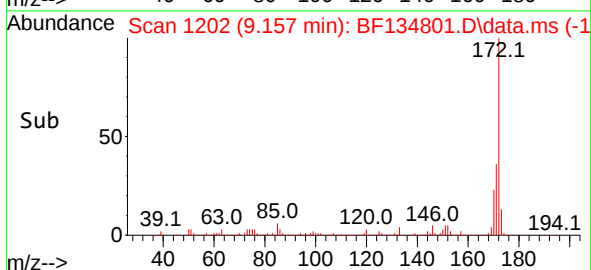
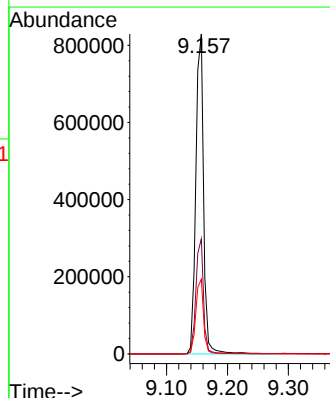
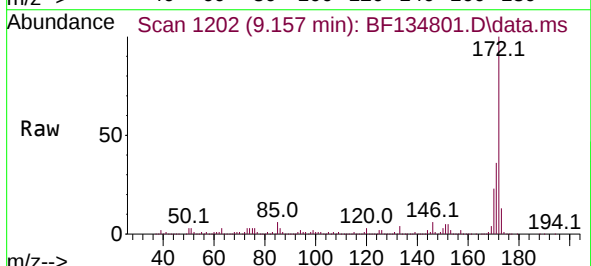
Tgt Ion:172 Resp: 739355

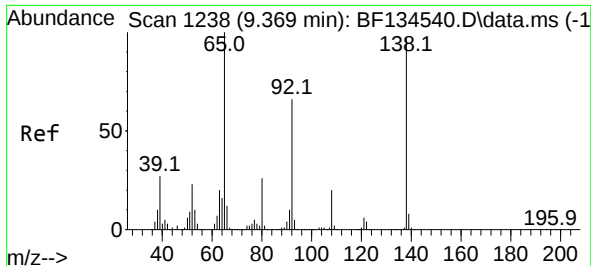
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.3 18.7 28.1





#48

2-Nitroaniline

Concen: 3.251 ng

RT: 9.392 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

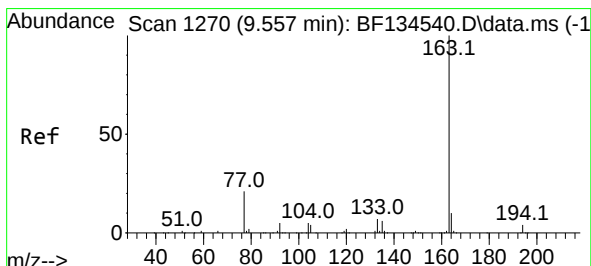
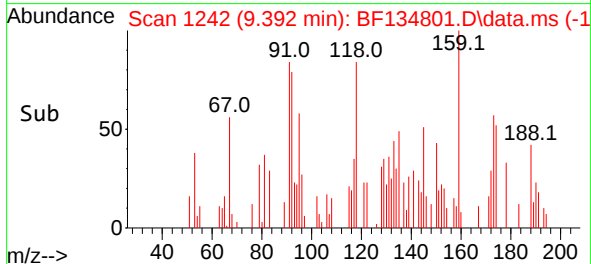
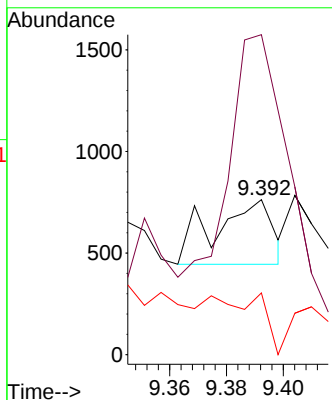
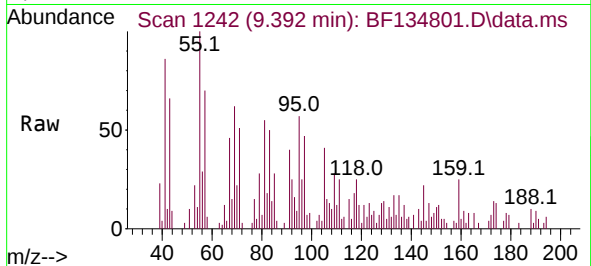
Tgt Ion: 65 Resp: 452

Ion Ratio Lower Upper

65 100

92 206.4 50.7 76.1#

138 39.8 78.2 117.4#



#50

Dimethylphthalate

Concen: 3.019 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.265 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

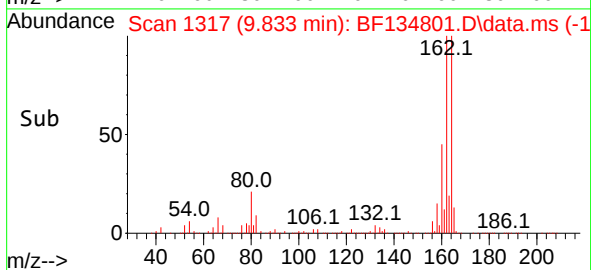
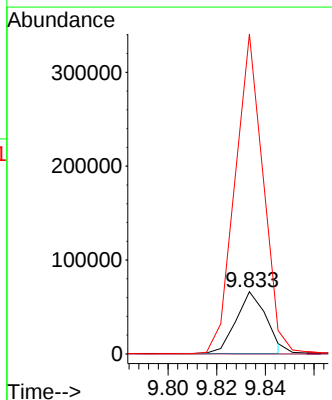
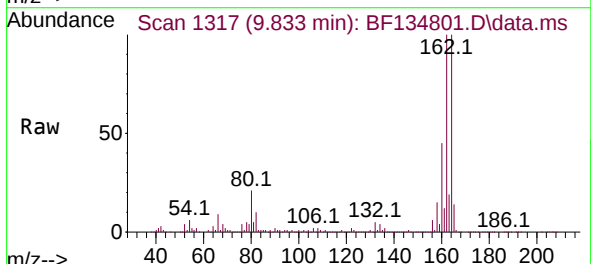
Tgt Ion:163 Resp: 56608

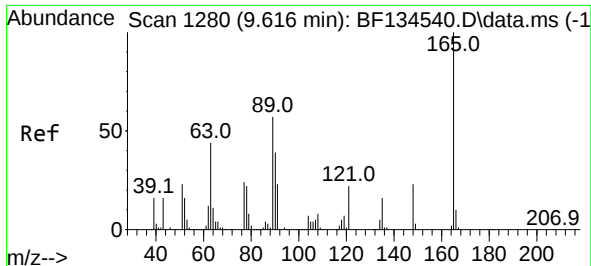
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 514.4 7.5 11.3#

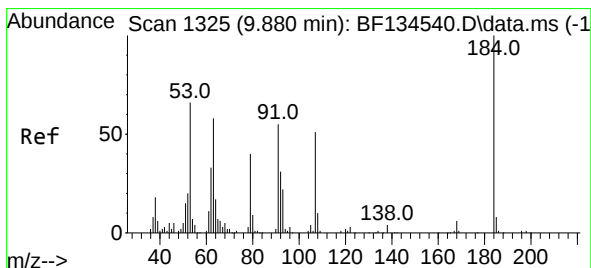
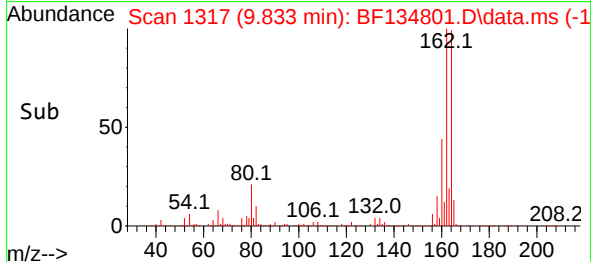
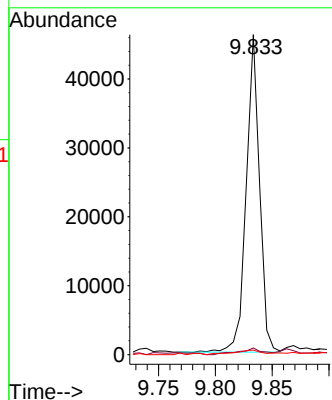
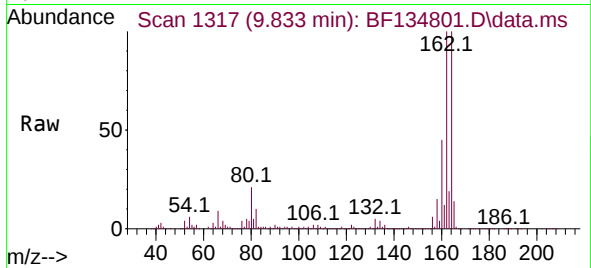




#51
 2,6-Dinitrotoluene
 Concen: 11.738 ng
 RT: 9.833 min Scan# 1317
 Delta R.T. 0.206 min
 Lab File: BF134801.D
 Acq: 16 Aug 2023 11:01

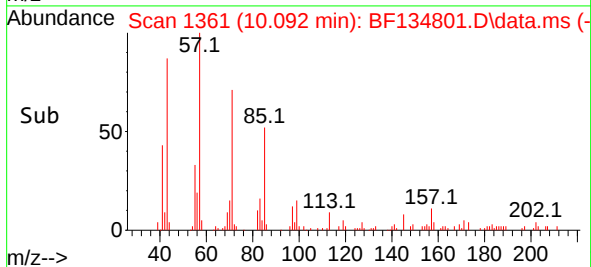
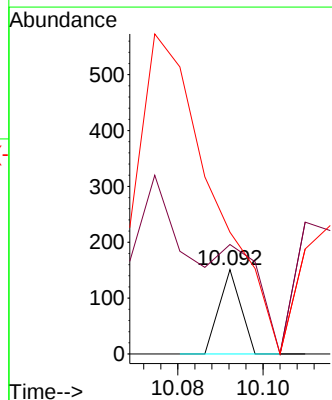
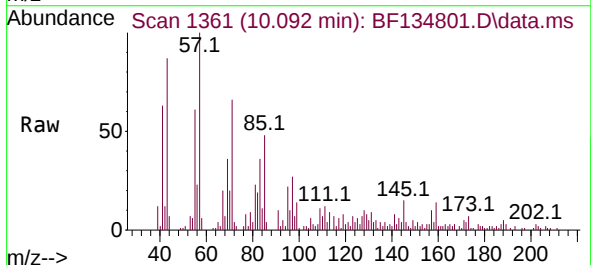
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081423

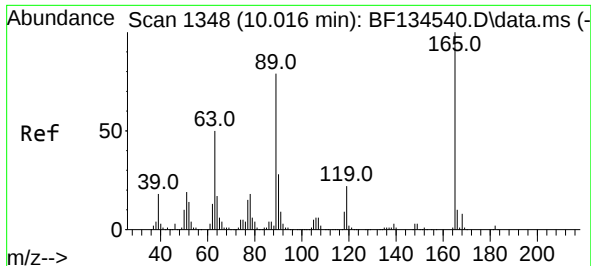
Tgt Ion:165 Resp: 37454
 Ion Ratio Lower Upper
 165 100
 63 2.1 57.8 86.6#
 89 1.4 51.8 77.8#



#54
 2,4-Dinitrophenol
 Concen: 6.827 ng
 RT: 10.092 min Scan# 1361
 Delta R.T. 0.194 min
 Lab File: BF134801.D
 Acq: 16 Aug 2023 11:01

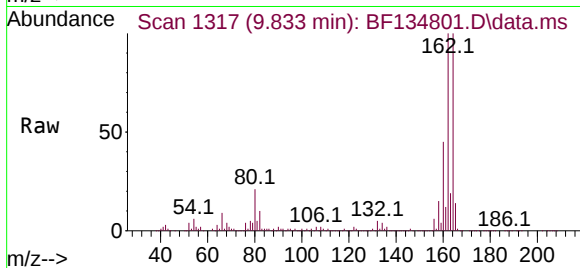
Tgt Ion:184 Resp: 53
 Ion Ratio Lower Upper
 184 100
 63 129.8 57.1 85.7#
 154 144.4 59.1 88.7#



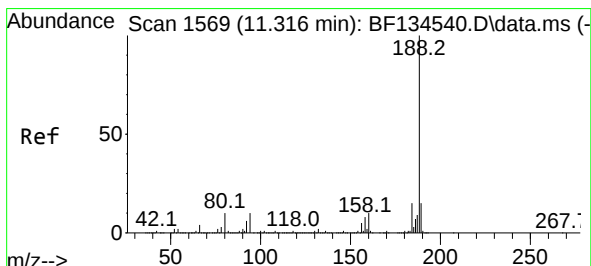
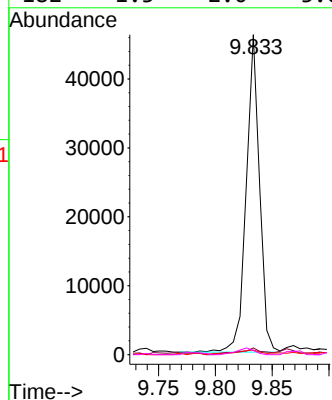
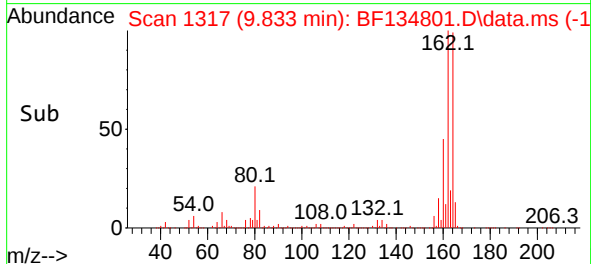


#57
2,4-Dinitrotoluene
Concen: 10.443 ng
RT: 9.833 min Scan# 1348
Delta R.T. -0.194 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

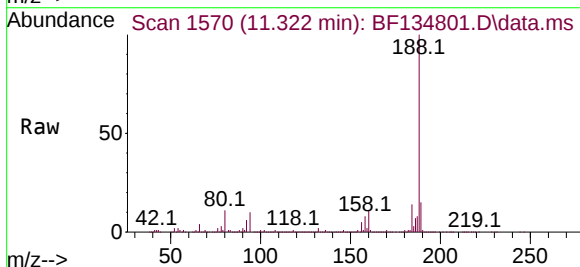
Instrument :
BNA_F
ClientSampleId :
TR-05-081423



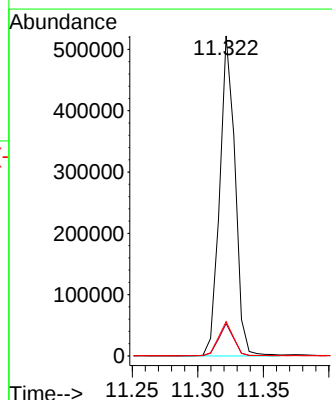
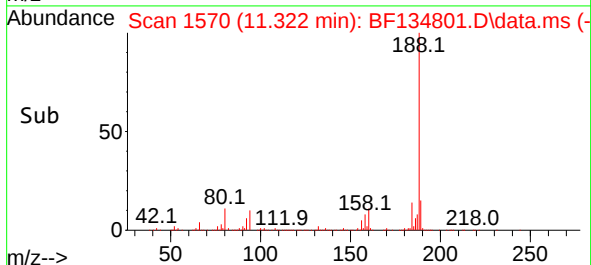
Tgt Ion:165 Resp: 37454
Ion Ratio Lower Upper
165 100
63 2.1 48.9 73.3#
89 1.4 61.7 92.5#
182 1.3 2.0 3.0#

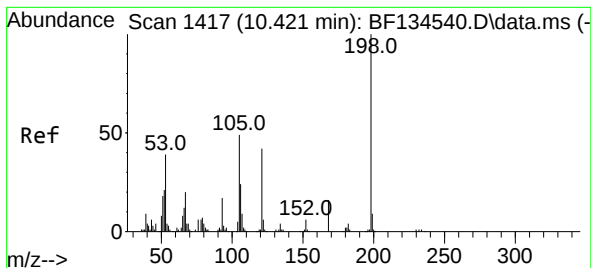


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01



Tgt Ion:188 Resp: 427034
Ion Ratio Lower Upper
188 100
94 10.1 5.1 7.7#
80 10.7 6.6 9.8#

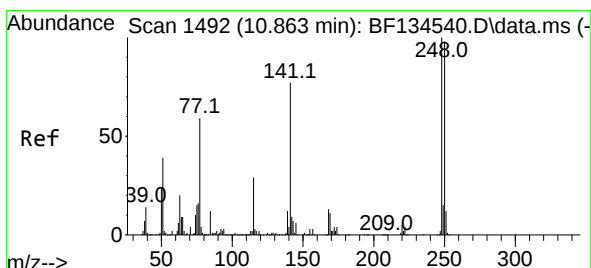
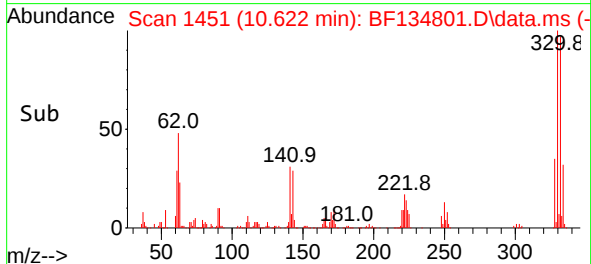
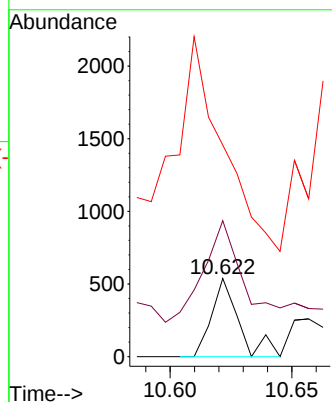
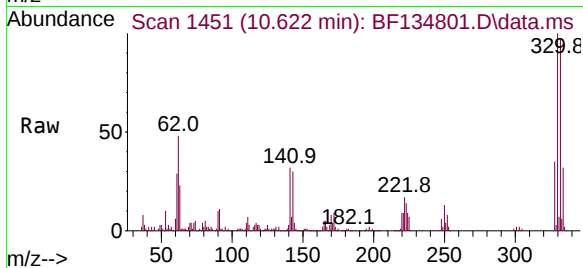




#65
4,6-Dinitro-2-methylphenol
Concen: 8.896 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

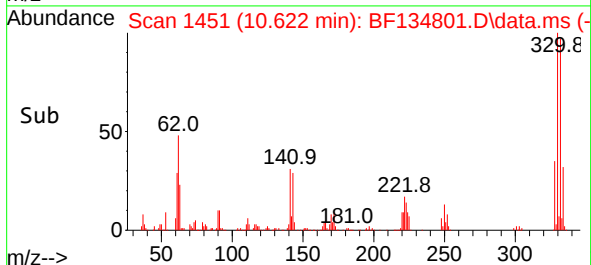
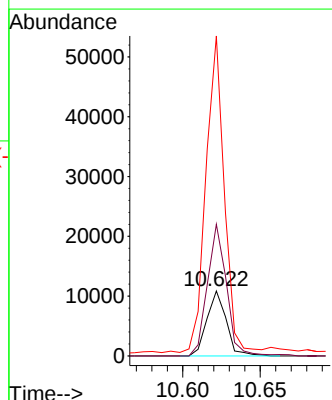
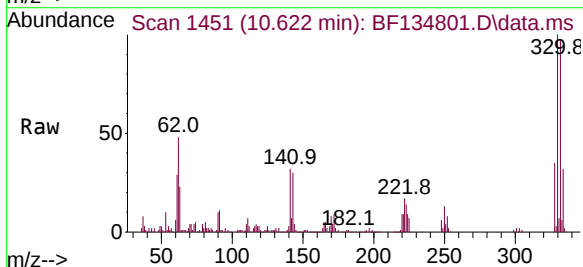
Instrument :
BNA_F
ClientSampleId :
TR-05-081423

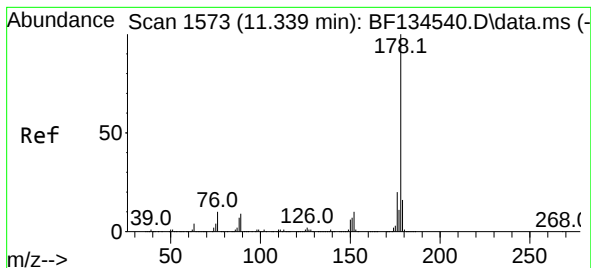
Tgt Ion:198 Resp: 416
Ion Ratio Lower Upper
198 100
51 174.0 38.6 78.6#
105 270.8 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.015 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134801.D
Acq: 16 Aug 2023 11:01

Tgt Ion:248 Resp: 9418
Ion Ratio Lower Upper
248 100
250 202.5 79.6 119.4#
141 492.6 59.6 89.4#





#71

Phenanthrene

Concen: 2.206 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

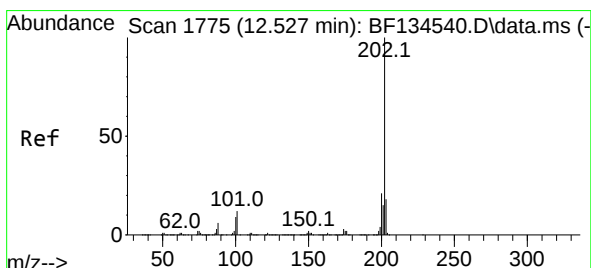
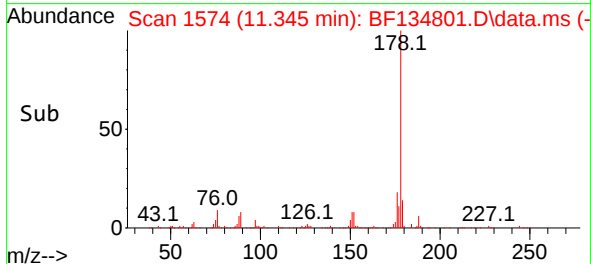
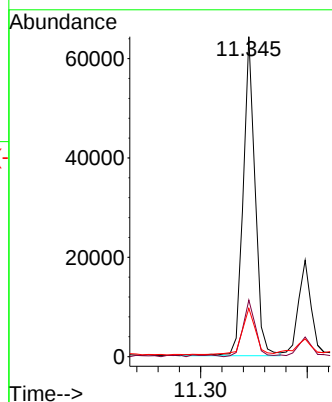
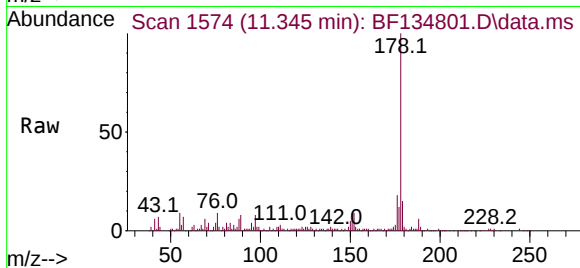
Tgt Ion:178 Resp: 50034

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.6

179 15.1 12.7 19.1



#75

Fluoranthene

Concen: 7.818 ng

RT: 12.539 min Scan# 1777

Delta R.T. 0.000 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

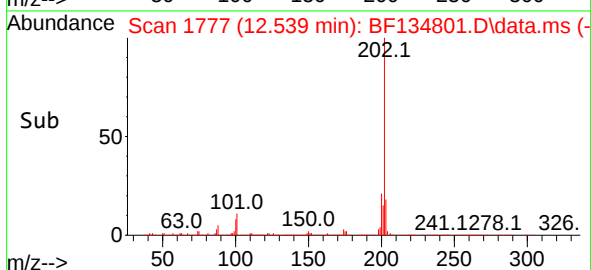
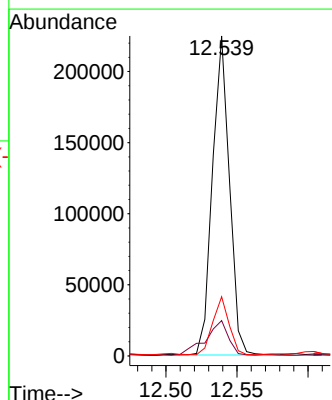
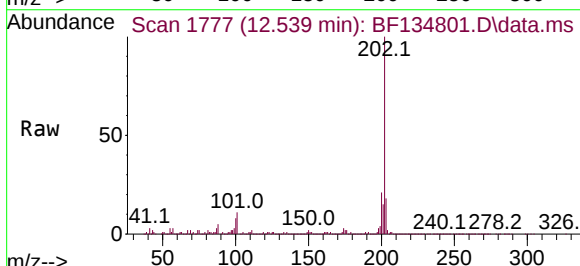
Tgt Ion:202 Resp: 187325

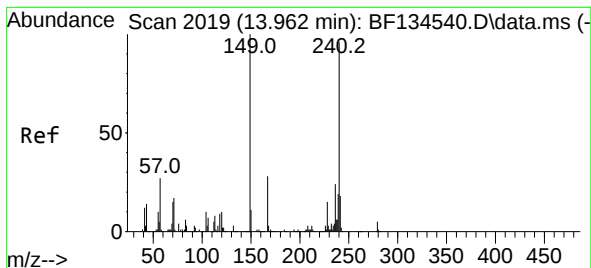
Ion Ratio Lower Upper

202 100

101 11.0 0.0 28.5

203 18.5 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: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

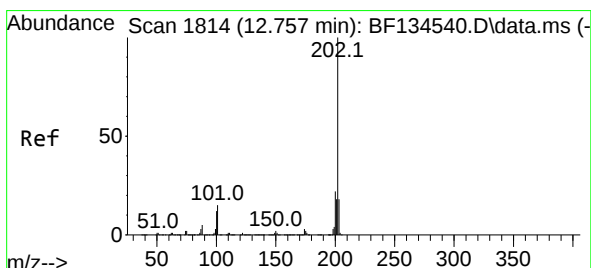
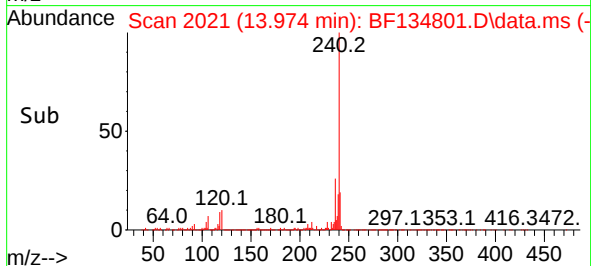
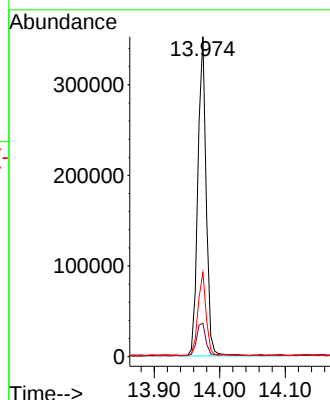
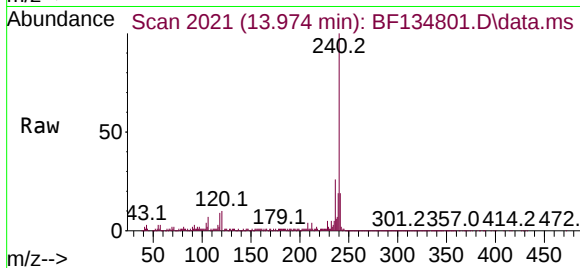
Tgt Ion:240 Resp: 311309

Ion Ratio Lower Upper

240 100

120 10.4 6.6 10.0#

236 26.4 20.2 30.2



#78

Pyrene

Concen: 6.007 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

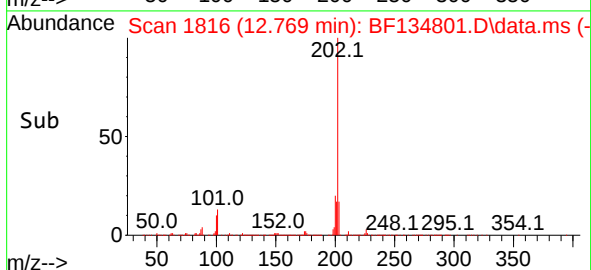
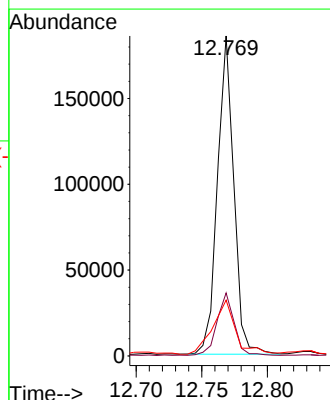
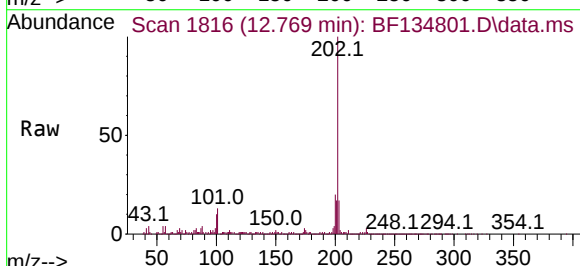
Tgt Ion:202 Resp: 161826

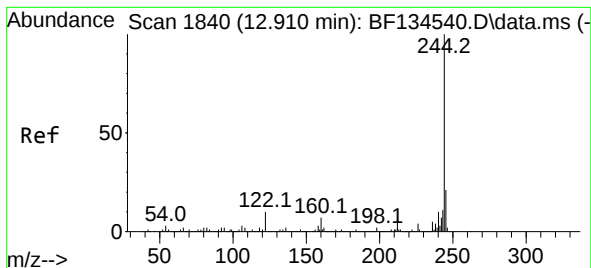
Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.8

203 17.4 13.5 20.3





#79

Terphenyl-d14

Concen: 38.791 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

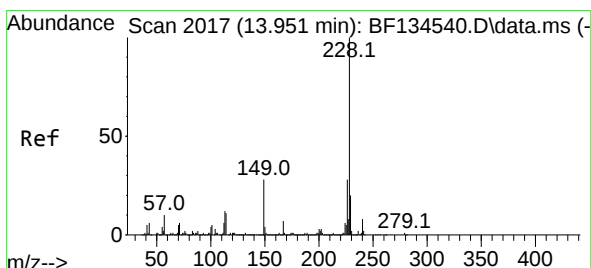
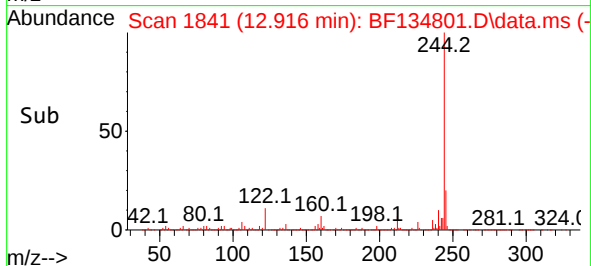
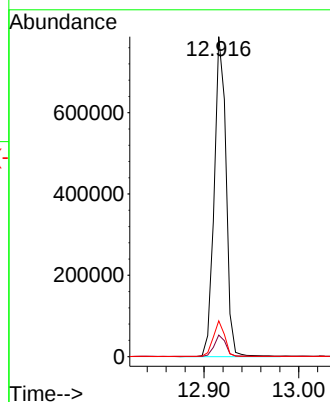
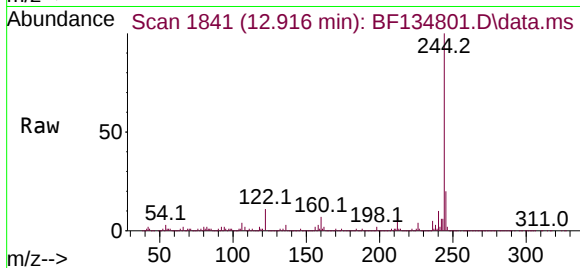
Tgt Ion:244 Resp: 685015

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.2 8.0 12.0



#81

Benzo(a)anthracene

Concen: 3.276 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

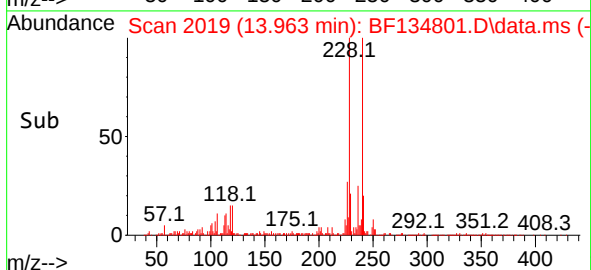
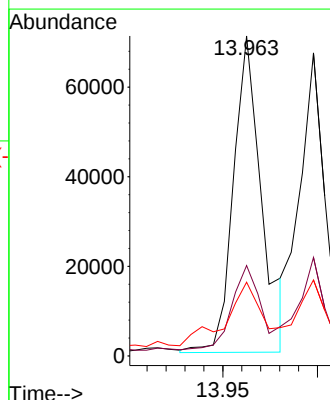
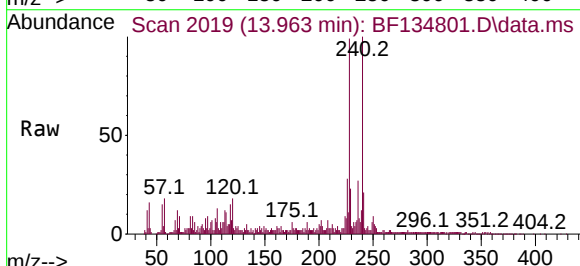
Tgt Ion:228 Resp: 72929

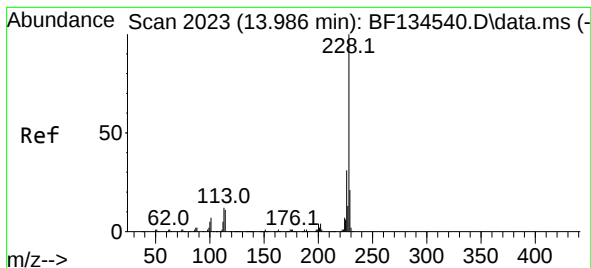
Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

229 23.0 15.8 23.6





#83

Chrysene

Concen: 3.363 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

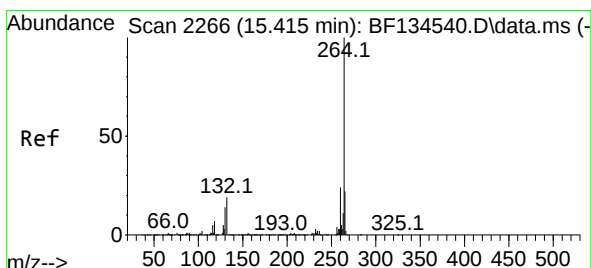
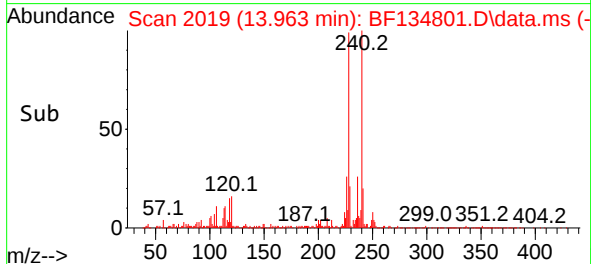
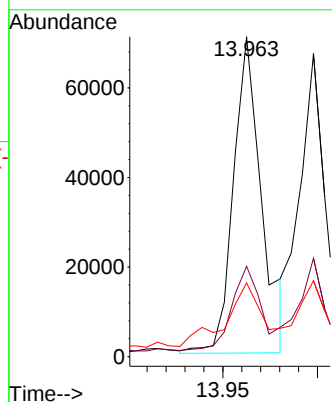
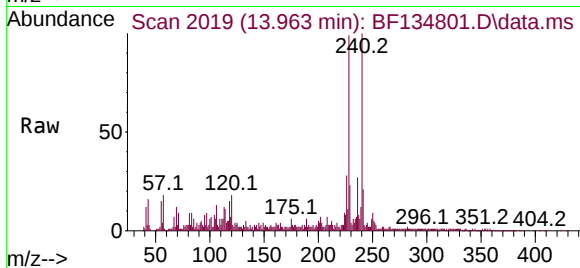
Tgt Ion:228 Resp: 72929

Ion Ratio Lower Upper

228 100

226 28.2 24.5 36.7

229 23.0 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

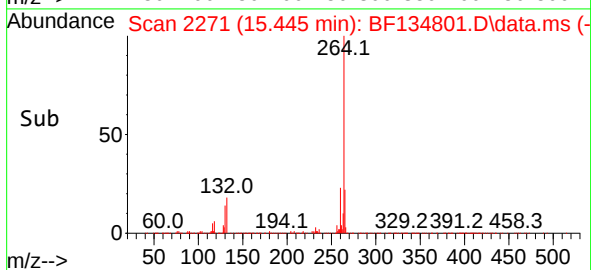
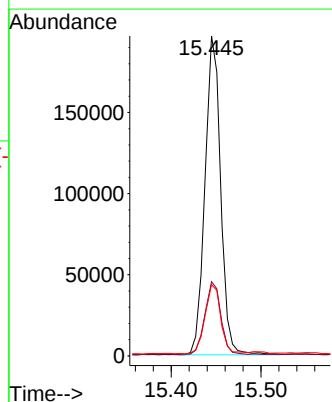
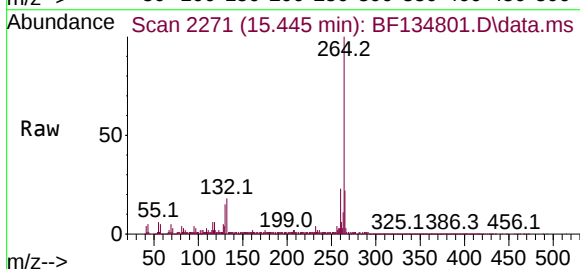
Tgt Ion:264 Resp: 238425

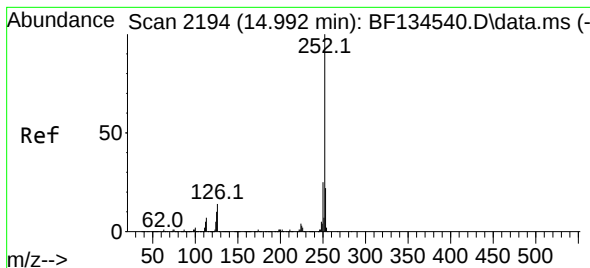
Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 22.3 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 5.850 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

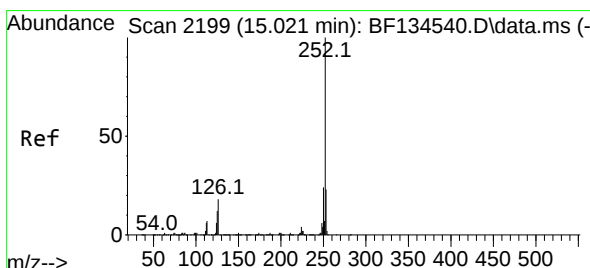
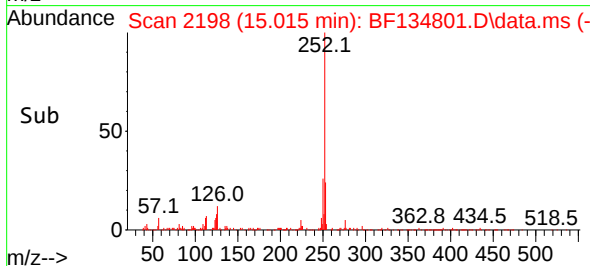
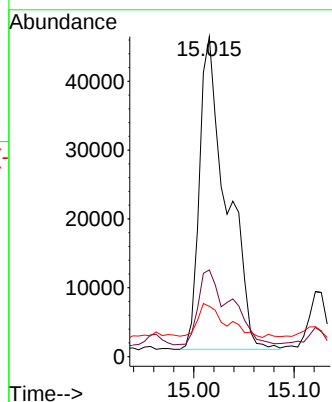
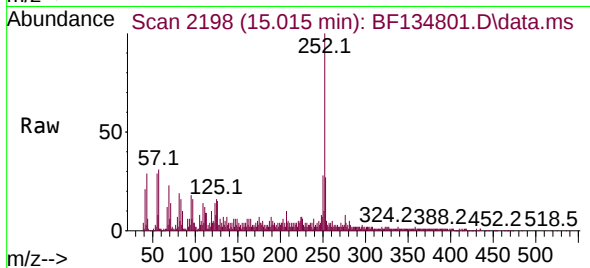
Tgt Ion:252 Resp: 85070

Ion Ratio Lower Upper

252 100

253 27.1 17.3 25.9#

125 15.7 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 5.873 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

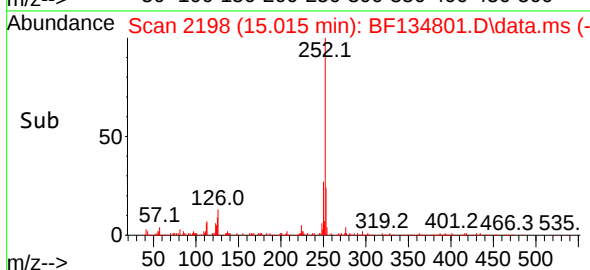
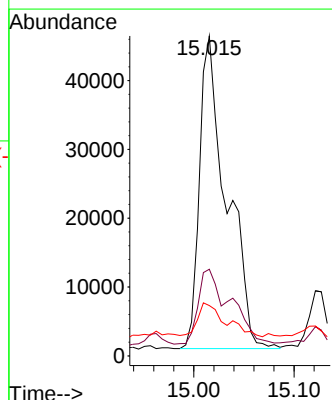
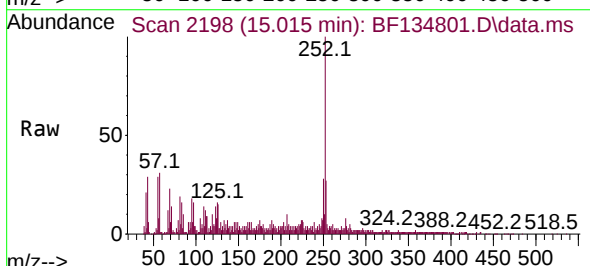
Tgt Ion:252 Resp: 85070

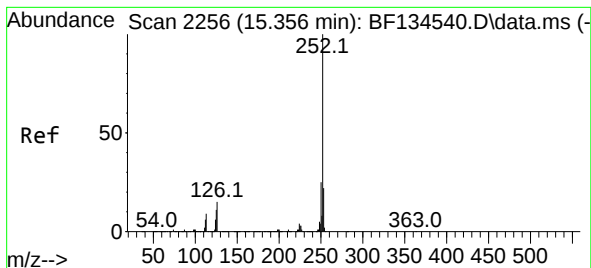
Ion Ratio Lower Upper

252 100

253 27.1 17.9 26.9#

125 15.7 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 3.111 ng

RT: 15.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Instrument :

BNA_F

ClientSampleId :

TR-05-081423

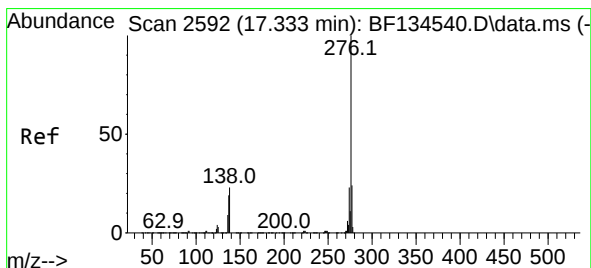
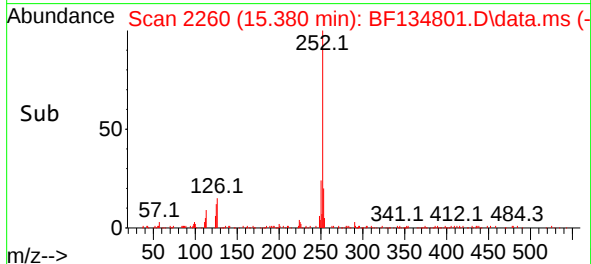
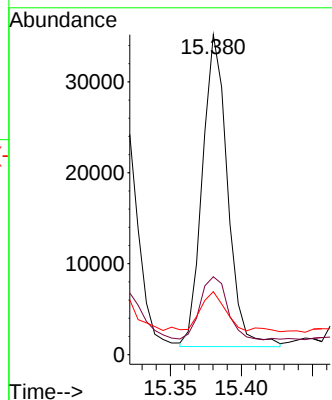
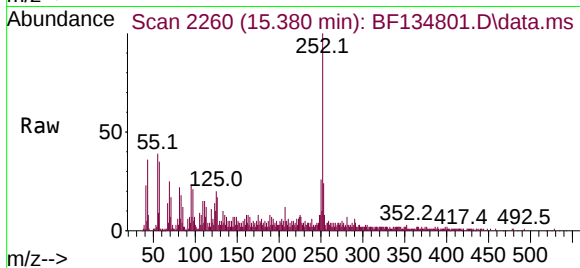
Tgt Ion:252 Resp: 42183

Ion Ratio Lower Upper

252 100

253 24.3 17.0 25.4

125 19.7 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 2.060 ng

RT: 17.386 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BF134801.D

Acq: 16 Aug 2023 11:01

Tgt Ion:276 Resp: 23811

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.6

138 25.8 12.2 18.2#

