

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134922.D
 Acq On : 24 Aug 2023 14:05
 Operator : CG\JU
 Sample : 04082-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 217

Quant Time: Aug 25 01:18:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

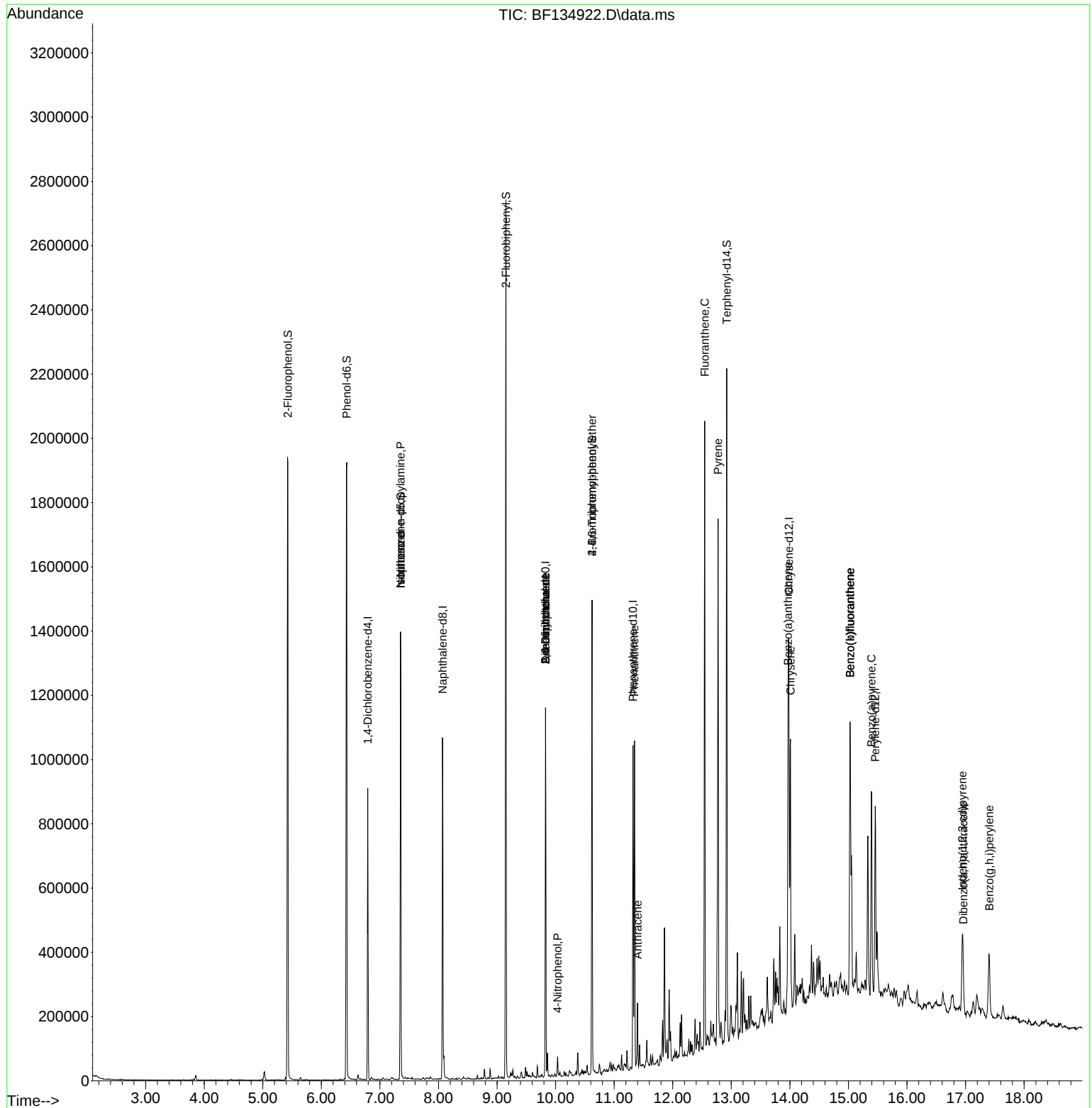
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	115059	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	451035	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	214055	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	339607	20.000	ng	0.00
76) Chrysene-d12	13.980	240	255997	20.000	ng	0.00
86) Perylene-d12	15.457	264	276842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	560888	77.736	ng	0.00
7) Phenol-d6	6.434	99	701044	76.037	ng	0.00
23) Nitrobenzene-d5	7.351	82	441340	53.919	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	166367	65.992	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	777327	56.138	ng	0.00
79) Terphenyl-d14	12.922	244	695142	37.348	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	59500	11.050	ng	# 77
20) 3+4-Methylphenols	7.204	107	2530	Below Cal		# 62
25) Isophorone	7.351	82	440257	28.805	ng	# 64
50) Dimethylphthalate	9.828	163	40876	2.683	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	28809	8.573	ng	# 28
56) 4-Nitrophenol	10.034	139	6261	2.448	ng	# 11
57) 2,4-Dinitrotoluene	9.828	165	28809	6.932	ng	# 24
67) 4-Bromophenyl-phenylether	10.622	248	10921	2.787	ng	# 1
71) Phenanthrene	11.345	178	346861	19.491	ng	99
72) Anthracene	11.398	178	73030	4.005	ng	98
75) Fluoranthene	12.545	202	733873	43.523	ng	99
78) Pyrene	12.775	202	657128	24.210	ng	99
81) Benzo(a)anthracene	13.969	228	346591	19.844	ng	97
83) Chrysene	14.010	228	363223	21.077	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	180590	9.126	ng	95
88) Benzo(b)fluoranthene	15.027	252	640875	41.031	ng	99
89) Benzo(k)fluoranthene	15.027	252	640875	41.784	ng	98
90) Benzo(a)pyrene	15.392	252	312042	20.012	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	45566	2.846	ng	95
92) Benzo(g,h,i)perylene	17.404	276	169426	10.337	ng	99

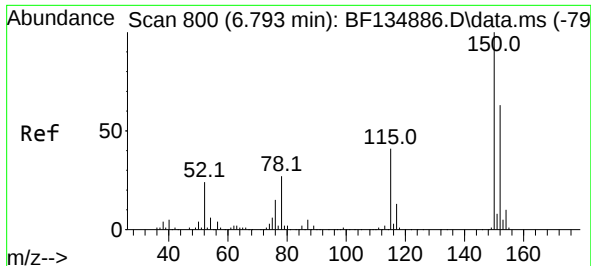
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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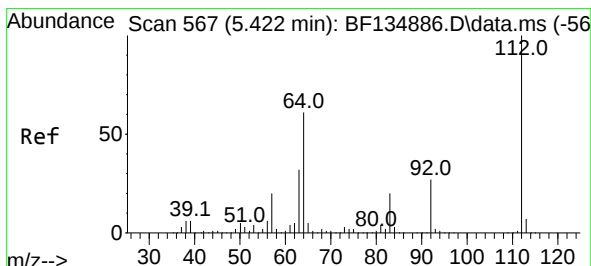
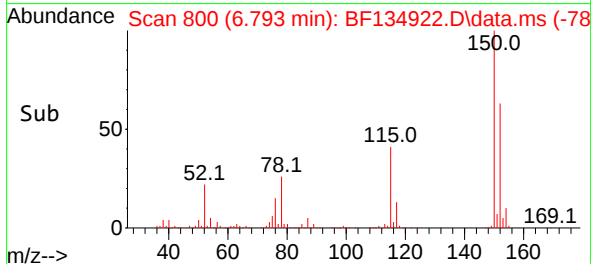
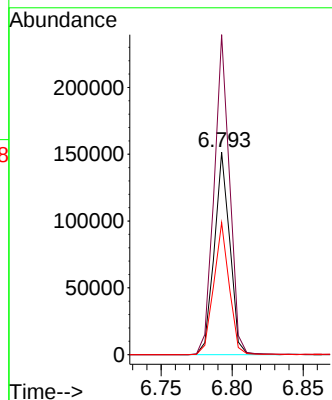
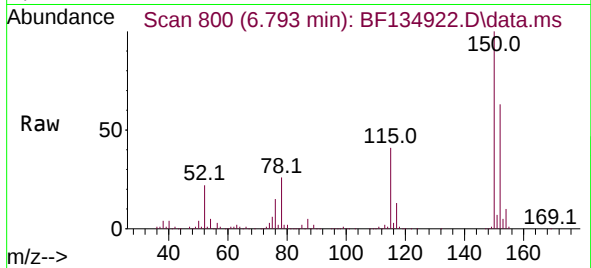




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.000 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

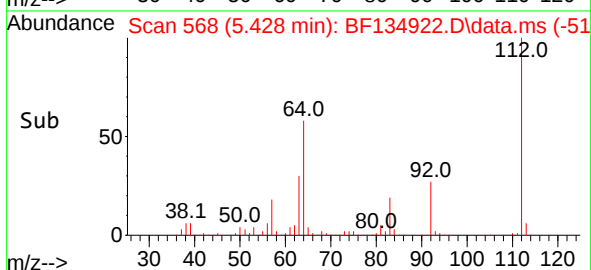
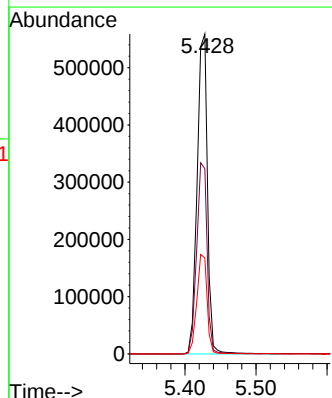
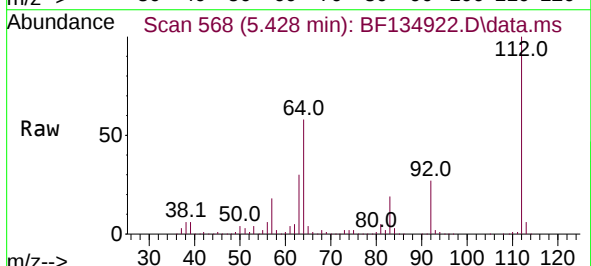
Instrument :
BNA_F
ClientSampleId :
217

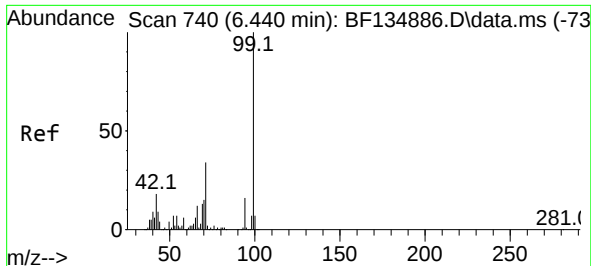
Tgt Ion:152 Resp: 115059
Ion Ratio Lower Upper
152 100
150 158.1 126.1 189.1
115 65.2 51.1 76.7



#5
2-Fluorophenol
Concen: 77.736 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:112 Resp: 560888
Ion Ratio Lower Upper
112 100
64 57.9 48.6 73.0
63 30.0 25.7 38.5

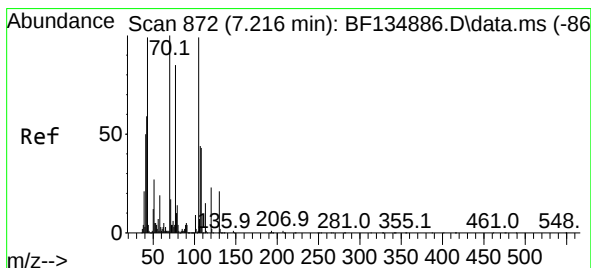
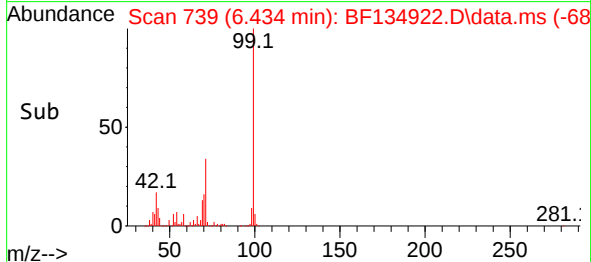
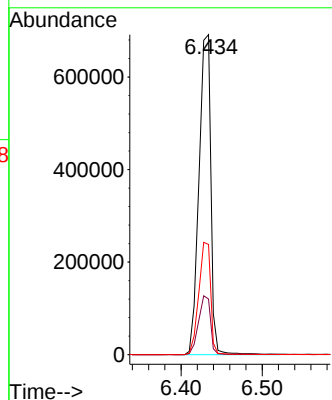
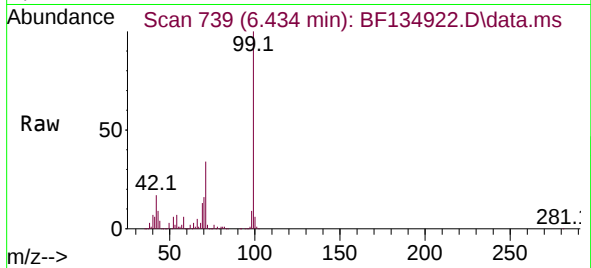




#7
Phenol-d6
Concen: 76.037 ng
RT: 6.434 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

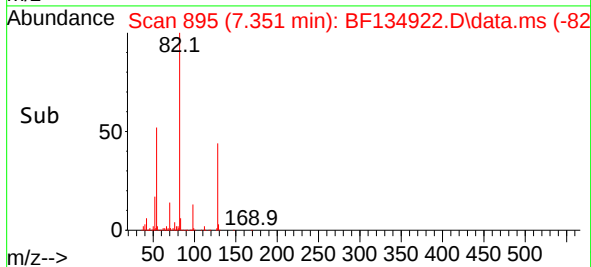
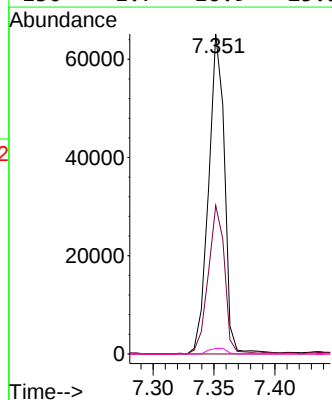
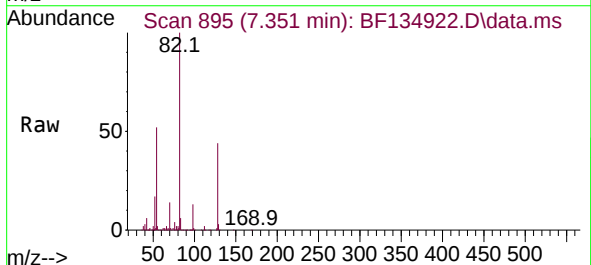
Instrument :
BNA_F
ClientSampleId :
217

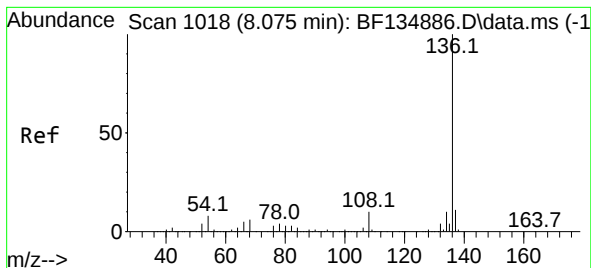
Tgt Ion: 99 Resp: 701044
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 34.4 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.050 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion: 70 Resp: 59500
Ion Ratio Lower Upper
70 100
42 46.4 46.9 70.3#
101 0.0 7.5 11.3#
130 1.7 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

Tgt Ion:136 Resp: 451035

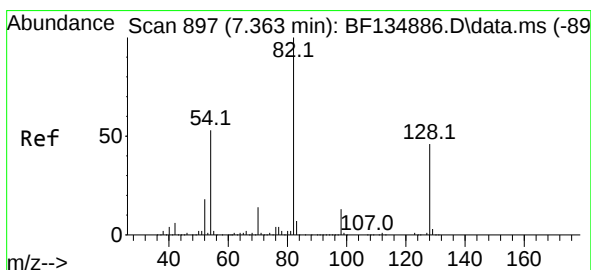
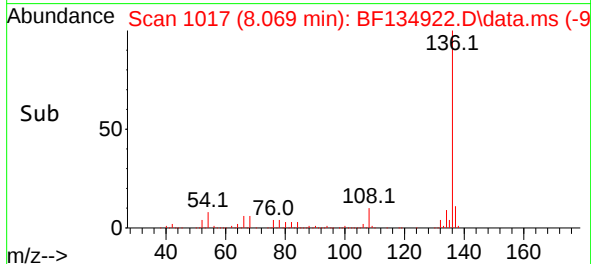
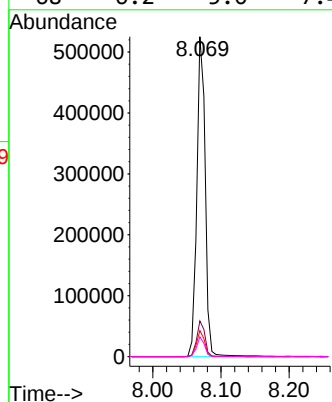
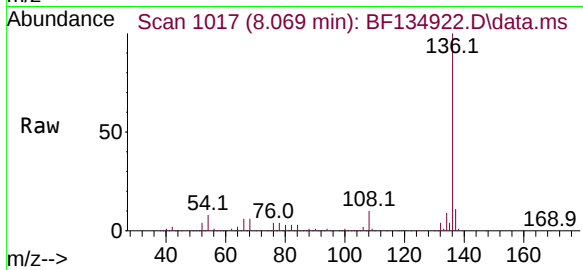
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.1 6.6 9.8

68 6.2 5.0 7.4



#23

Nitrobenzene-d5

Concen: 53.919 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

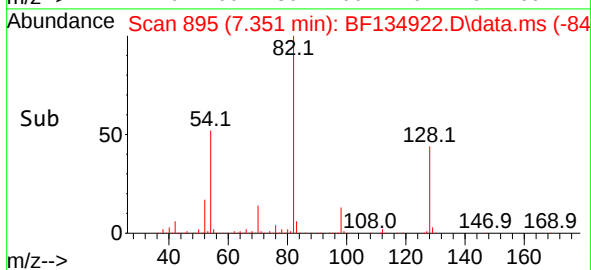
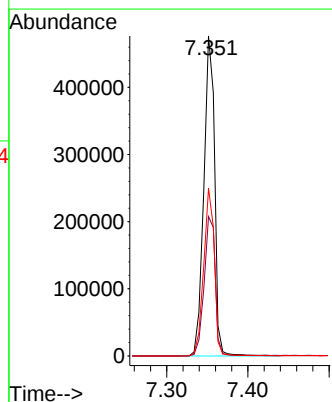
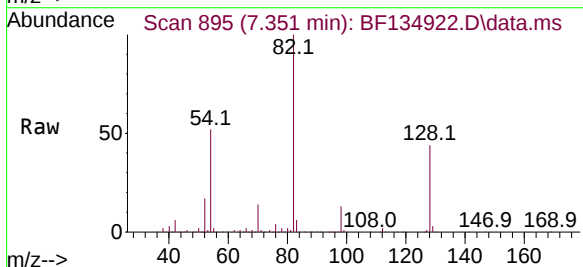
Tgt Ion: 82 Resp: 441340

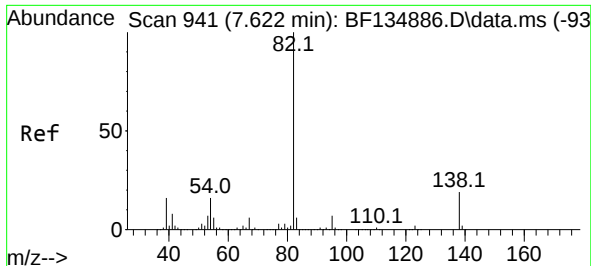
Ion Ratio Lower Upper

82 100

128 43.5 36.6 54.8

54 52.4 42.6 63.8

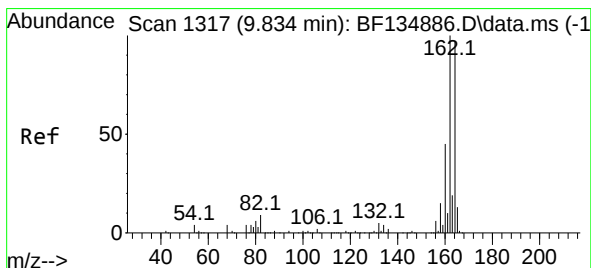
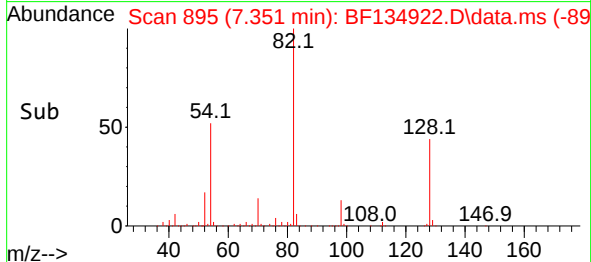
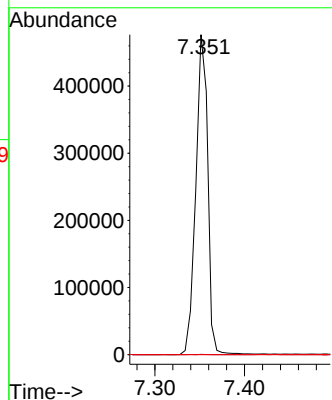
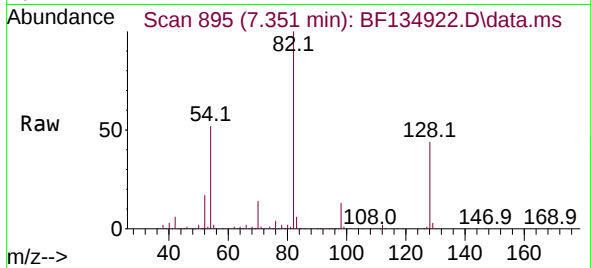




#25
Isophorone
Concen: 28.805 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

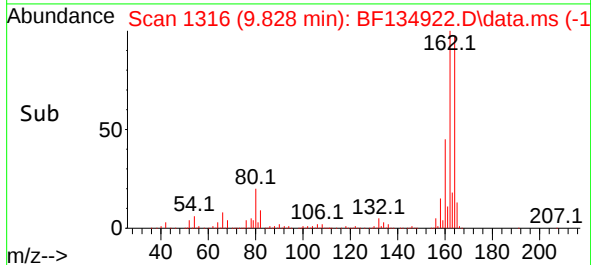
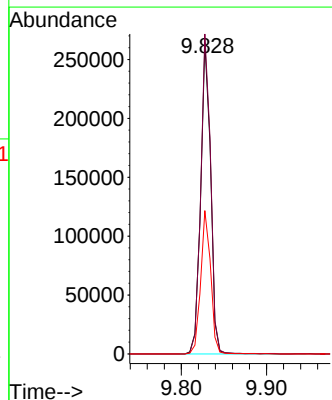
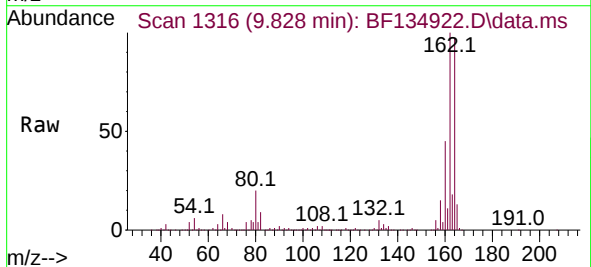
Instrument :
BNA_F
ClientSampleId :
217

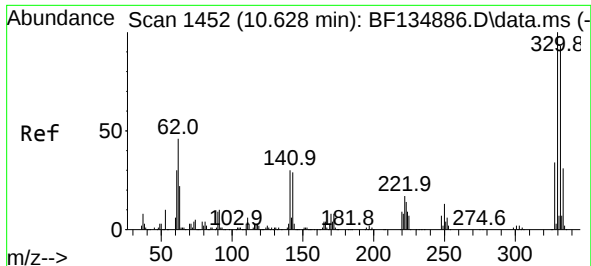
Tgt Ion: 82 Resp: 440257
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:164 Resp: 214055
Ion Ratio Lower Upper
164 100
162 102.8 82.6 123.8
160 46.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 65.992 ng

RT: 10.622 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

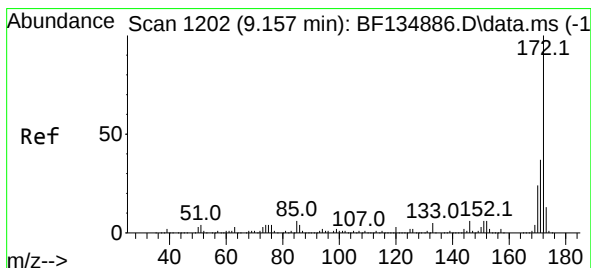
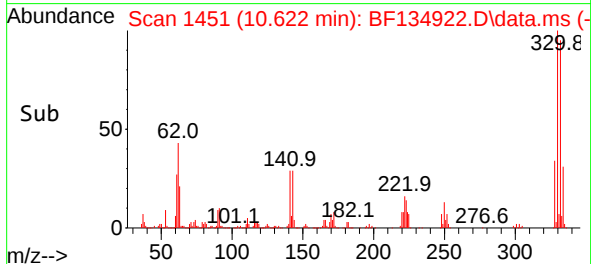
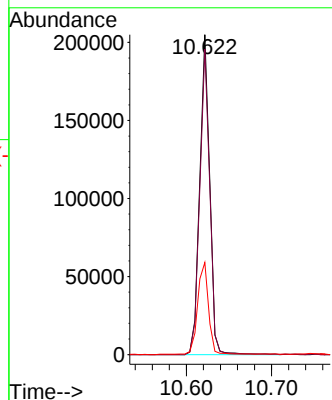
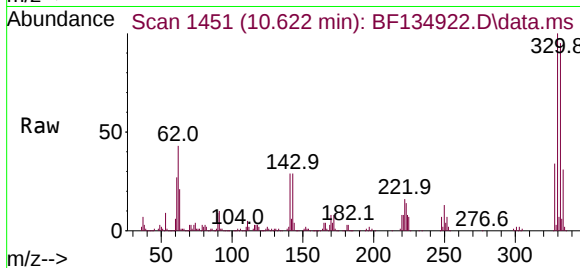
Tgt Ion:330 Resp: 166367

Ion Ratio Lower Upper

330 100

332 95.7 76.3 114.5

141 31.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 56.138 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

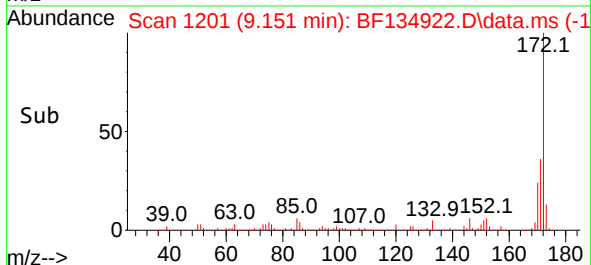
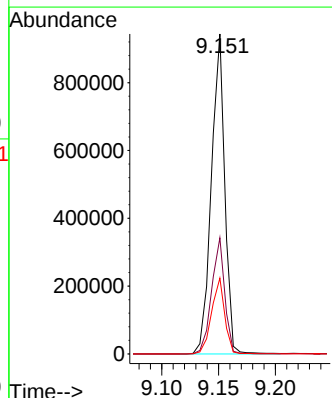
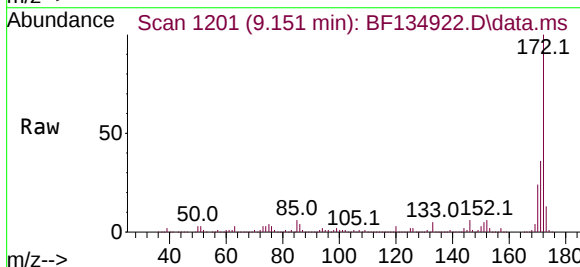
Tgt Ion:172 Resp: 777327

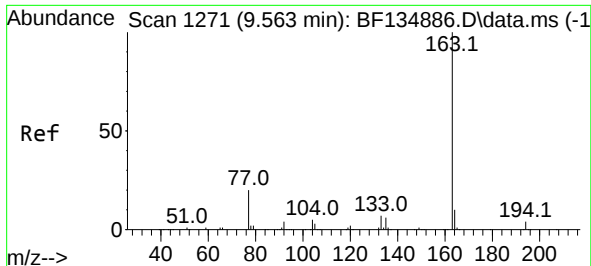
Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

170 23.7 19.6 29.4

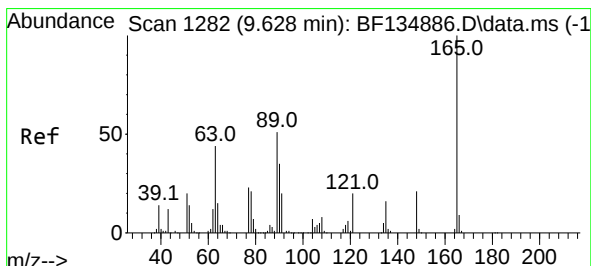
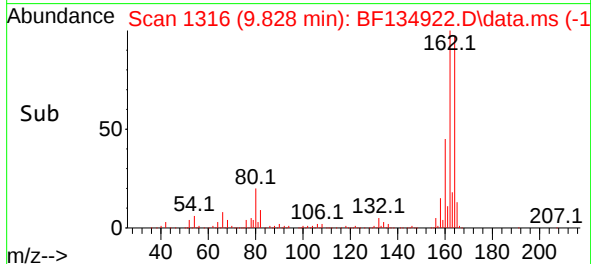
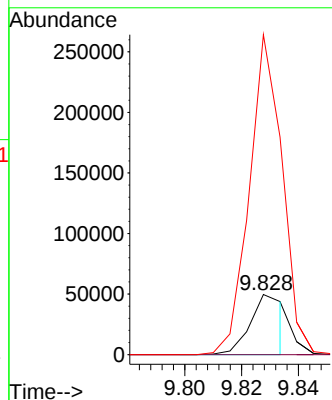
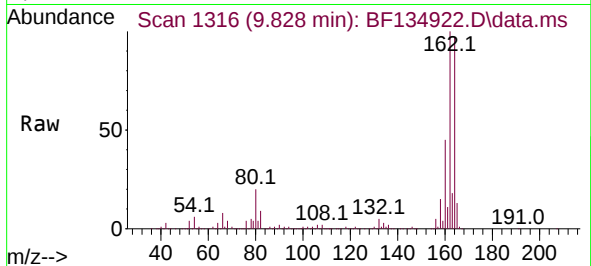




#50
Dimethylphthalate
Concen: 2.683 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

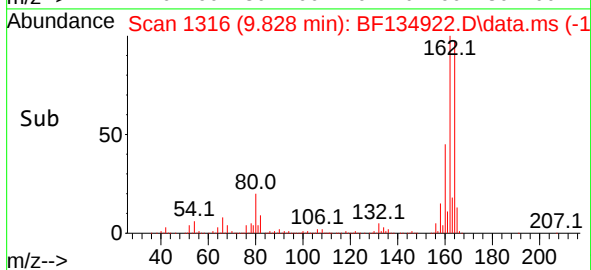
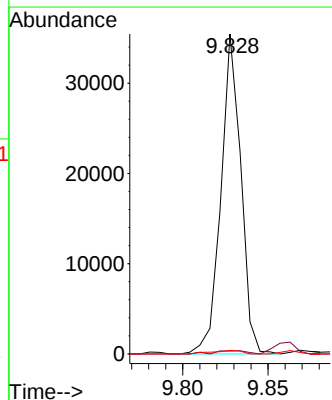
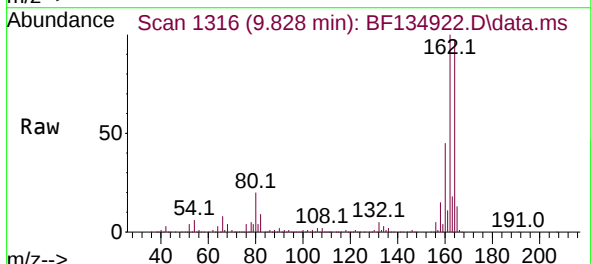
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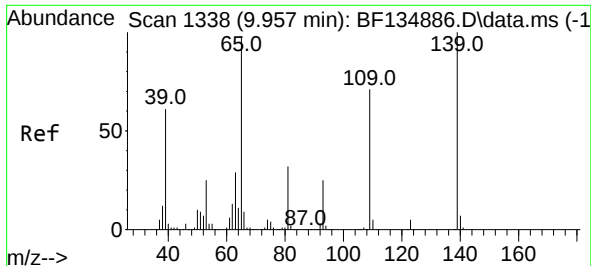
Tgt Ion:163 Resp: 40876
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 532.4 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 8.573 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:165 Resp: 28809
Ion Ratio Lower Upper
165 100
63 0.9 41.4 62.2#
89 1.1 40.9 61.3#





#56

4-Nitrophenol

Concen: 2.448 ng

RT: 10.034 min Scan# 1316

Delta R.T. 0.076 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

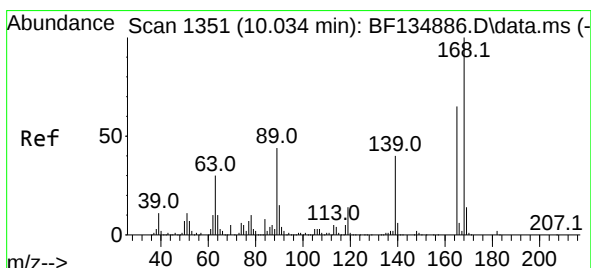
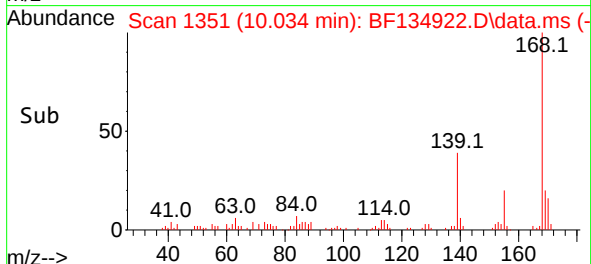
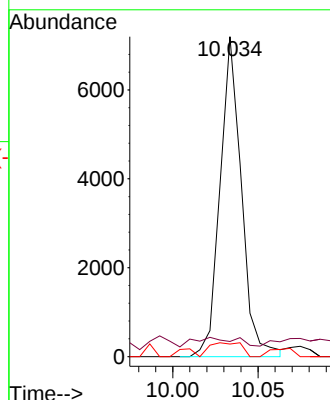
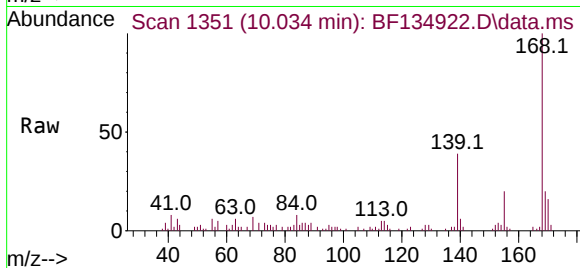
Tgt Ion:139 Resp: 6261

Ion Ratio Lower Upper

139 100

109 4.8 51.0 91.0#

65 3.9 78.5 118.5#



#57

2,4-Dinitrotoluene

Concen: 6.932 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.206 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Tgt Ion:165 Resp: 28809

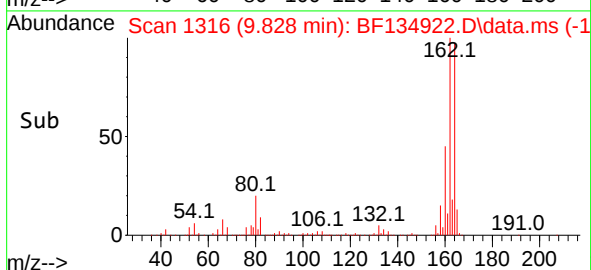
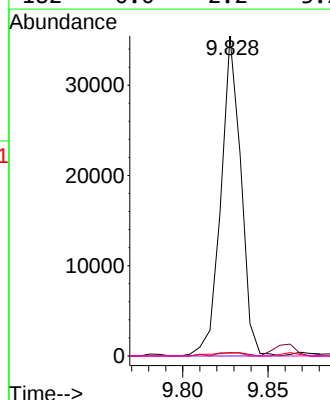
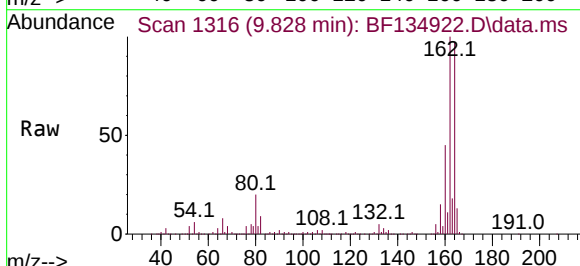
Ion Ratio Lower Upper

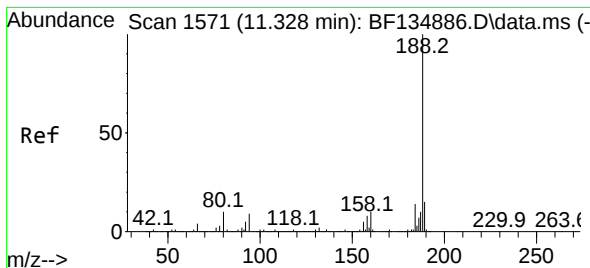
165 100

63 0.9 37.7 56.5#

89 1.1 54.2 81.4#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

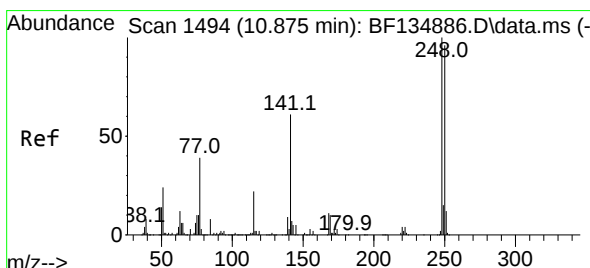
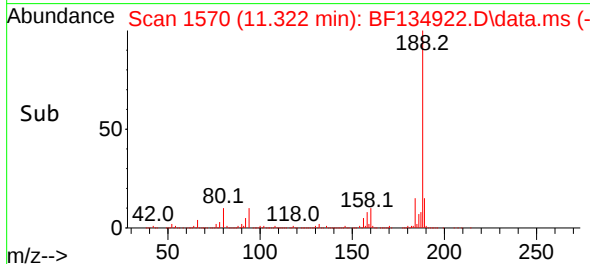
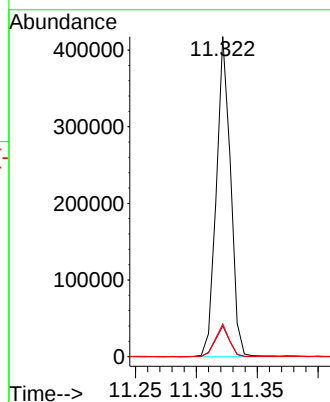
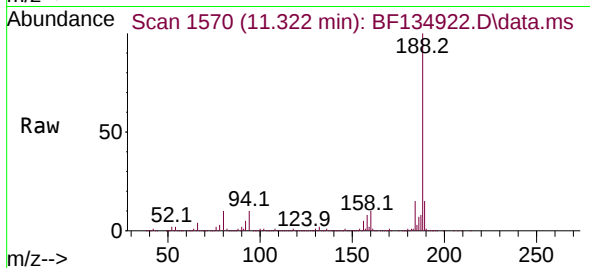
Tgt Ion:188 Resp: 339607

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.2 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.787 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.253 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

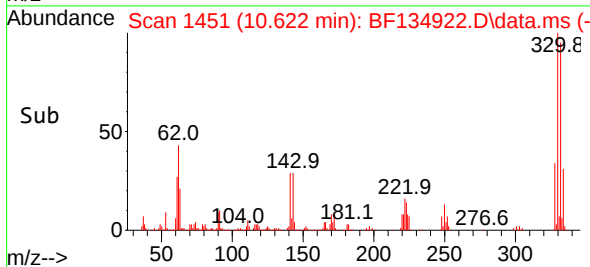
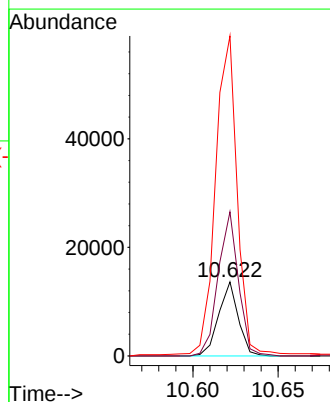
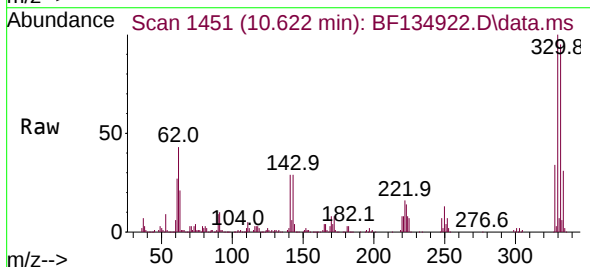
Tgt Ion:248 Resp: 10921

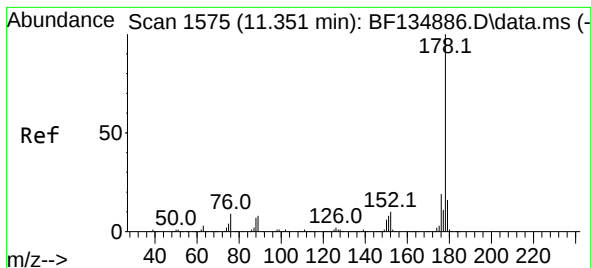
Ion Ratio Lower Upper

248 100

250 194.6 77.1 115.7#

141 432.3 49.0 73.4#





#71

Phenanthrene

Concen: 19.491 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

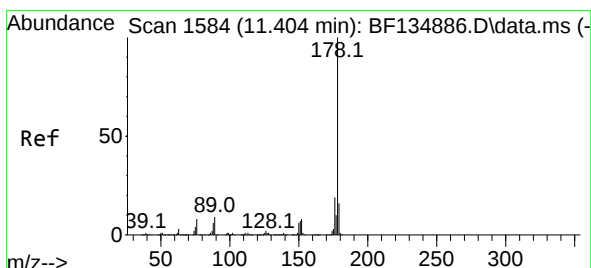
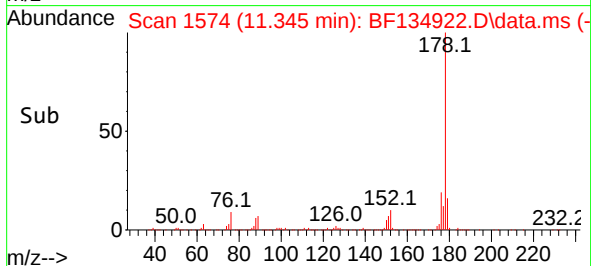
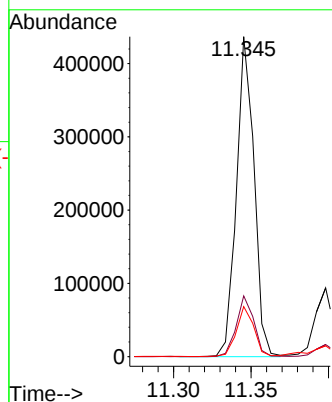
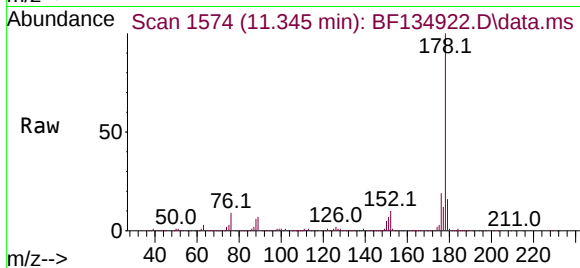
Tgt Ion:178 Resp: 346861

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.6 12.6 19.0



#72

Anthracene

Concen: 4.005 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

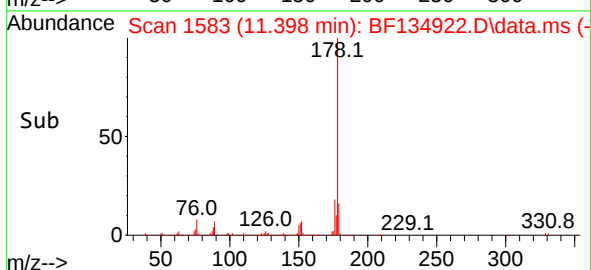
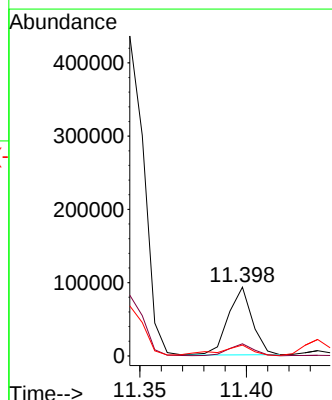
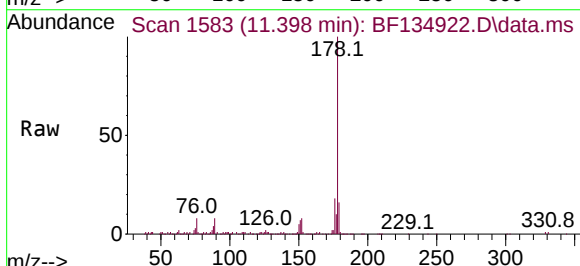
Tgt Ion:178 Resp: 73030

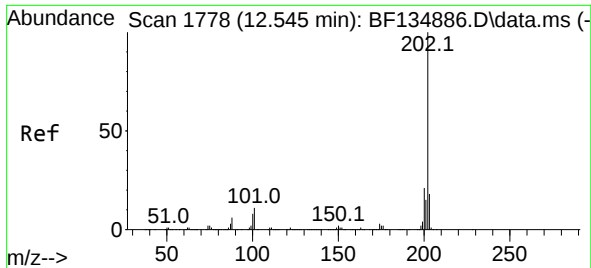
Ion Ratio Lower Upper

178 100

176 17.6 15.0 22.6

179 15.8 12.5 18.7

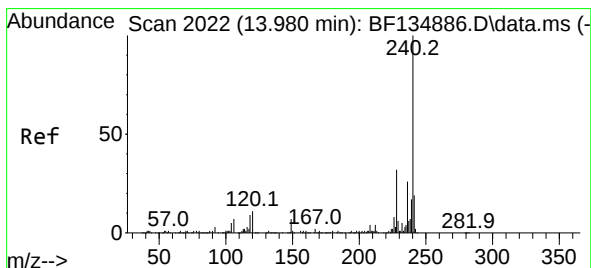
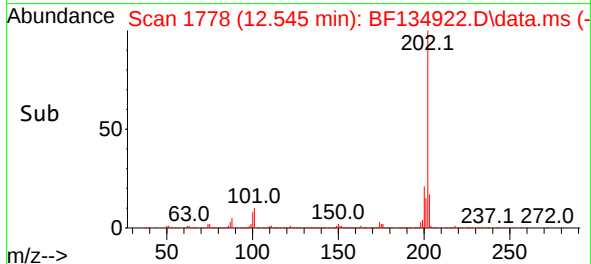
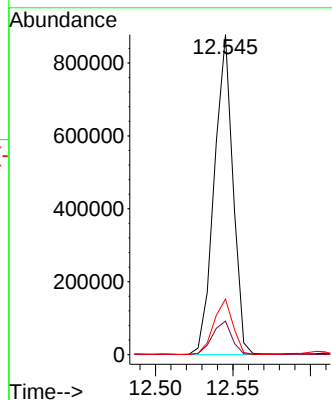
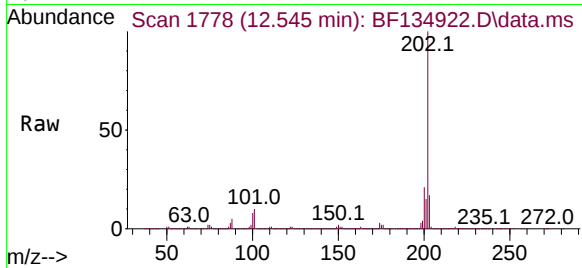




#75
Fluoranthene
Concen: 43.523 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

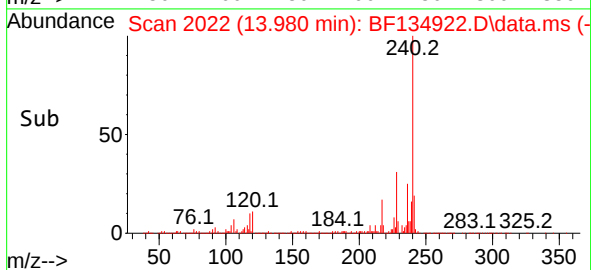
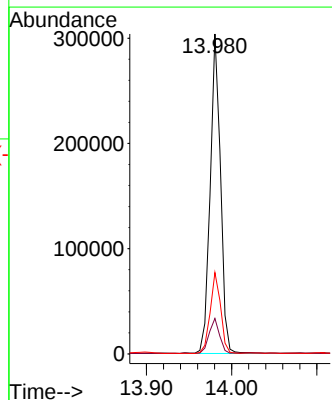
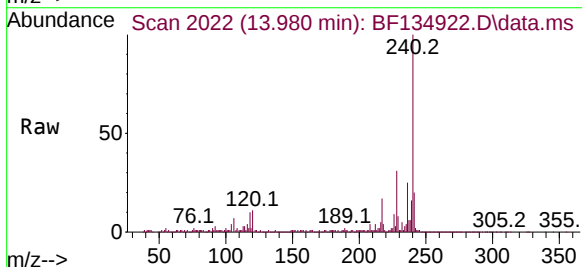
Instrument :
BNA_F
ClientSampleId :
217

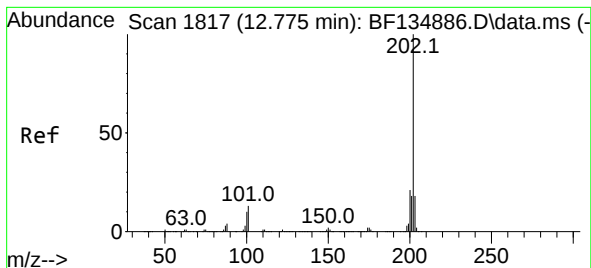
Tgt Ion:202 Resp: 733873
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.5
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:240 Resp: 255997
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 25.4 20.6 31.0





#78

Pyrene

Concen: 24.210 ng

RT: 12.775 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

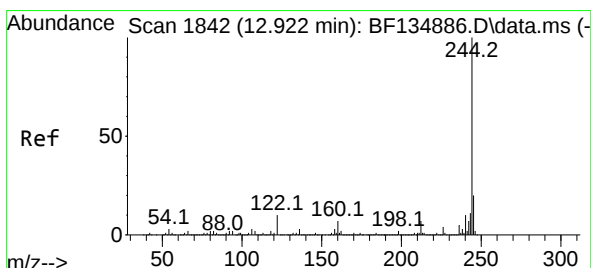
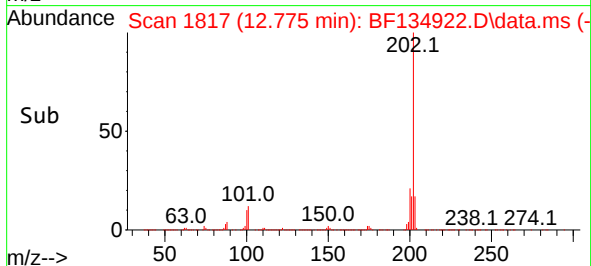
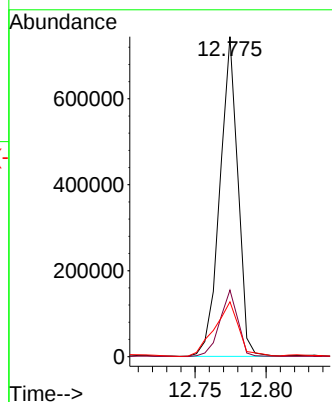
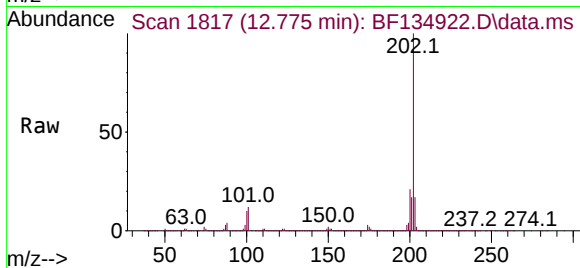
Tgt Ion:202 Resp: 657128

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.1 14.2 21.2



#79

Terphenyl-d14

Concen: 37.348 ng

RT: 12.922 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

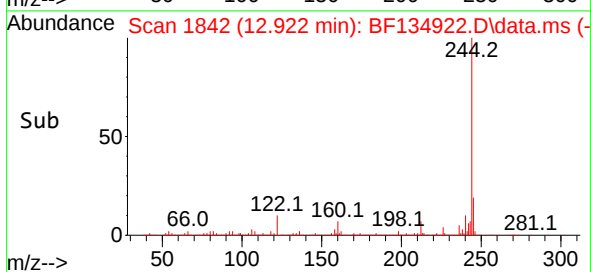
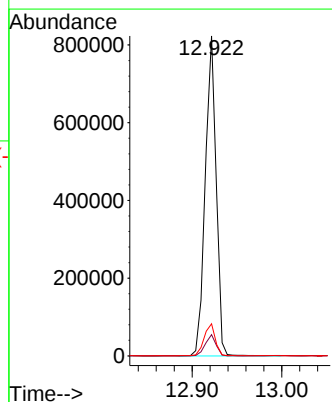
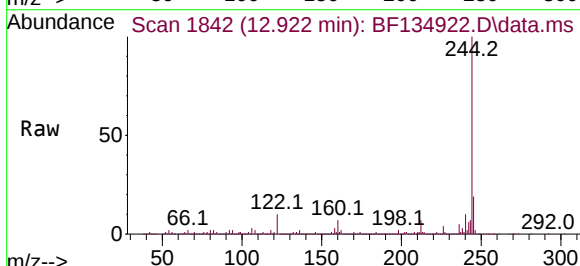
Tgt Ion:244 Resp: 695142

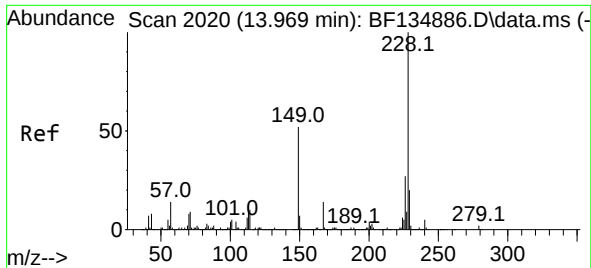
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.1 8.2 12.4

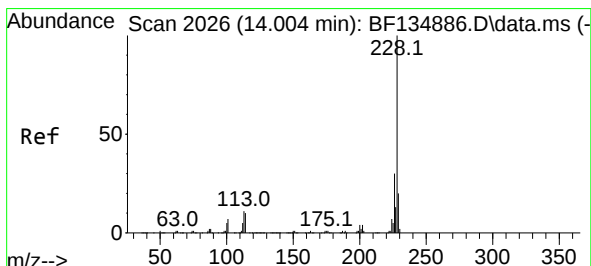
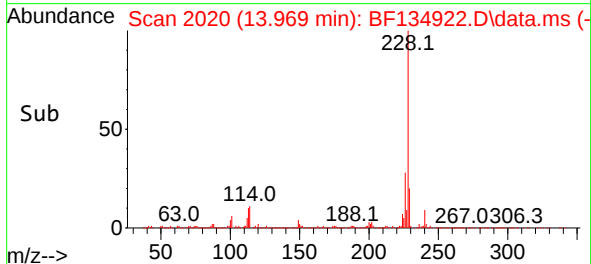
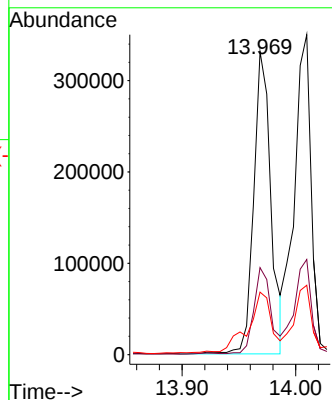
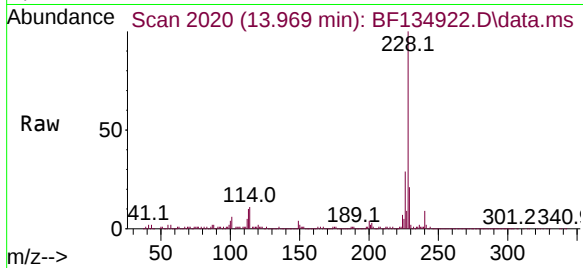




#81
Benzo(a)anthracene
Concen: 19.844 ng
RT: 13.969 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

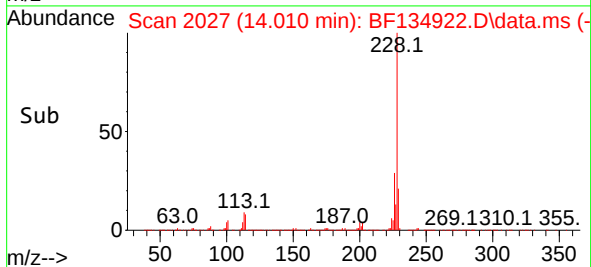
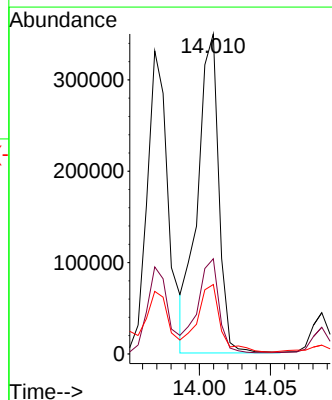
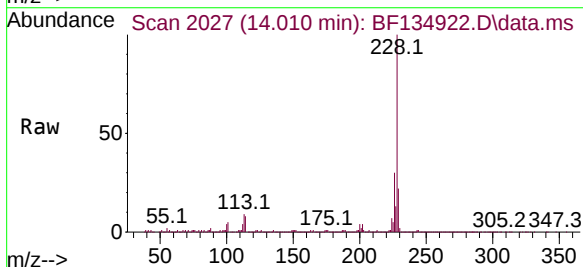
Instrument :
BNA_F
ClientSampleId :
217

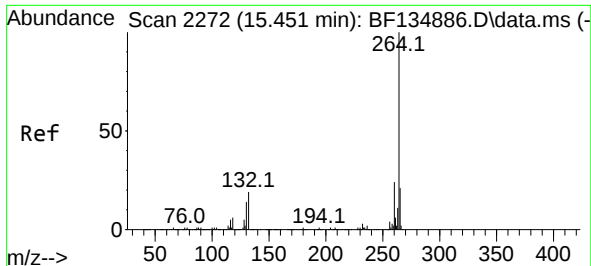
Tgt Ion:228 Resp: 346591
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.6
229 20.6 15.6 23.4



#83
Chrysene
Concen: 21.077 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:228 Resp: 363223
Ion Ratio Lower Upper
228 100
226 29.7 24.2 36.2
229 21.7 16.0 24.0

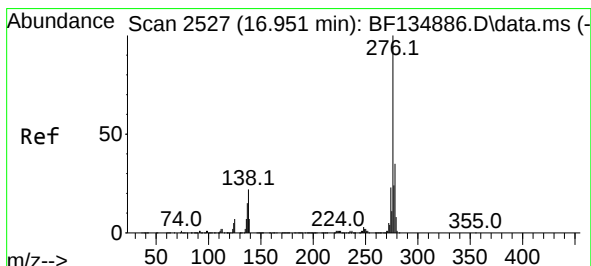
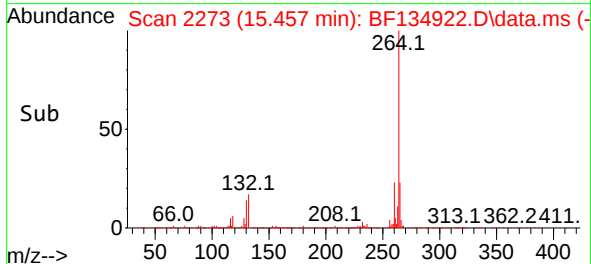
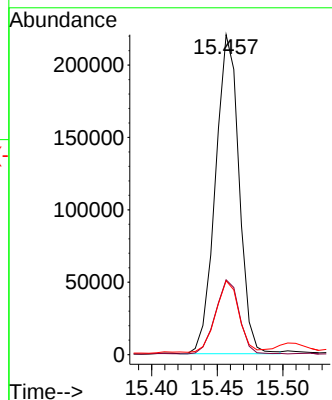
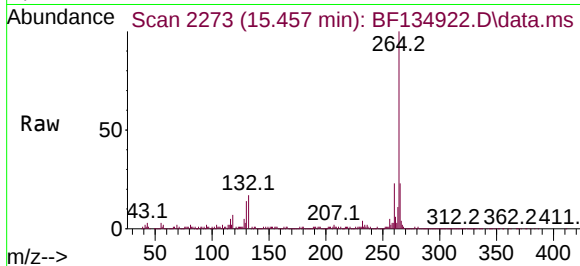




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 217
Delta R.T. 0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

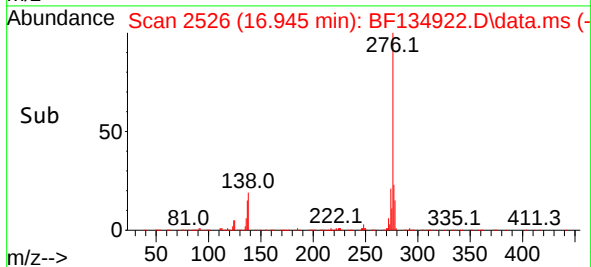
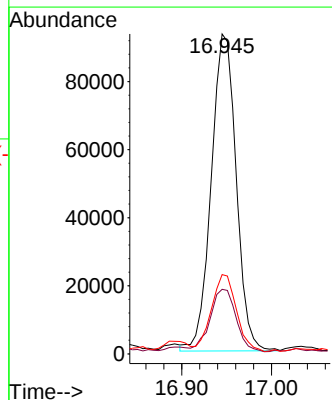
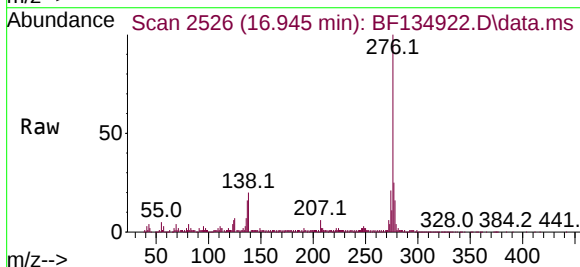
Instrument :
BNA_F
ClientSampleId :
217

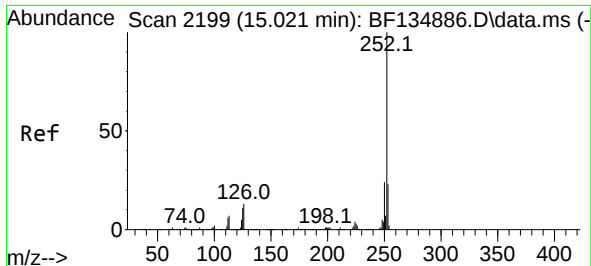
Tgt Ion:264 Resp: 276842
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 23.1 17.1 25.7



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.126 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:276 Resp: 180590
Ion Ratio Lower Upper
276 100
138 20.4 19.7 29.5
277 24.0 20.1 30.1

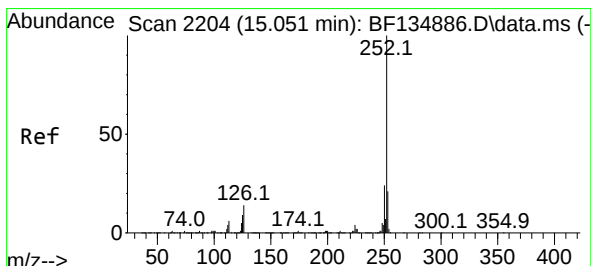
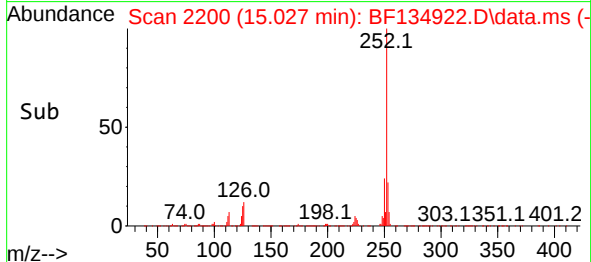
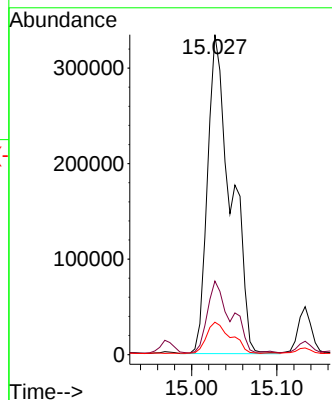
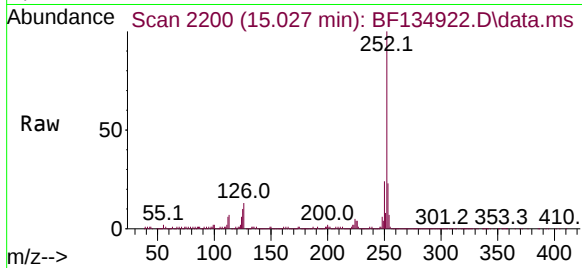




#88
Benzo(b)fluoranthene
Concen: 41.031 ng
RT: 15.027 min Scan# 217
Delta R.T. 0.006 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

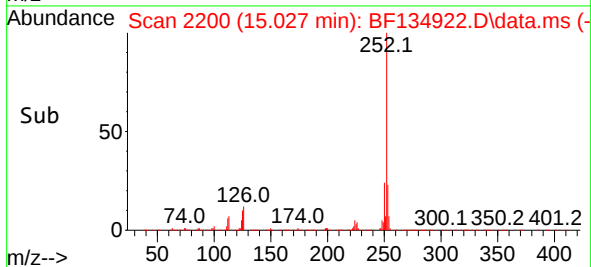
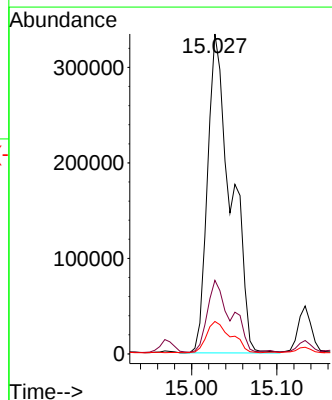
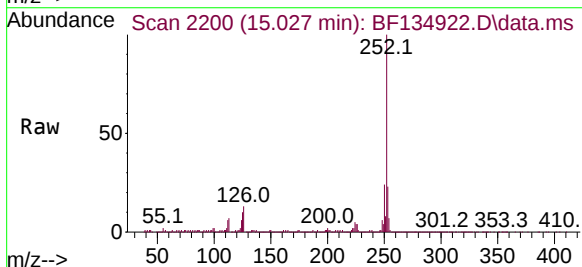
Instrument :
BNA_F
ClientSampleId :
217

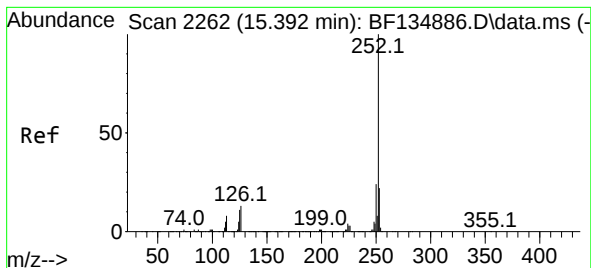
Tgt Ion:252 Resp: 640875
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 10.1 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 41.784 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.024 min
Lab File: BF134922.D
Acq: 24 Aug 2023 14:05

Tgt Ion:252 Resp: 640875
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 10.1 8.0 12.0





#90

Benzo(a)pyrene

Concen: 20.012 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

Instrument :

BNA_F

ClientSampleId :

217

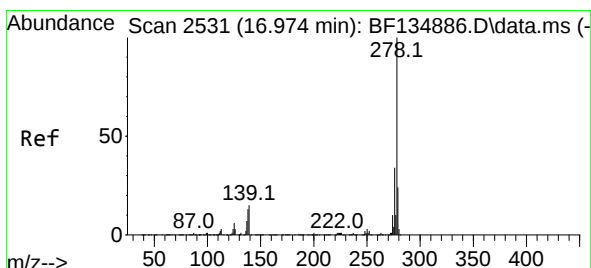
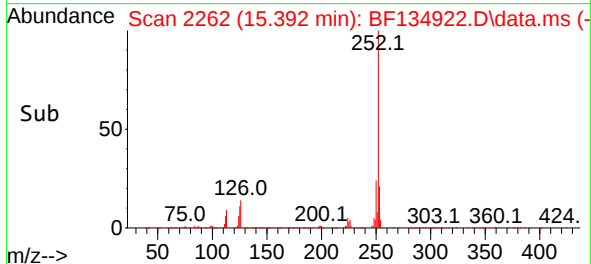
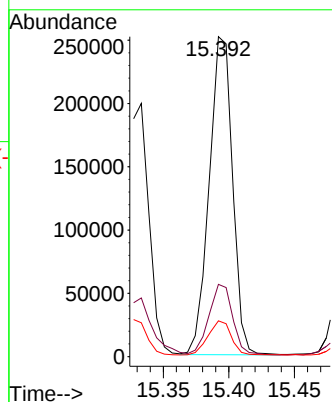
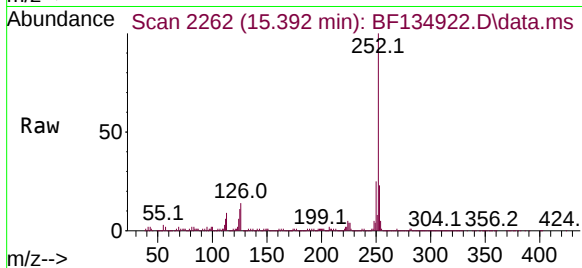
Tgt Ion:252 Resp: 312042

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 11.2 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.846 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.012 min

Lab File: BF134922.D

Acq: 24 Aug 2023 14:05

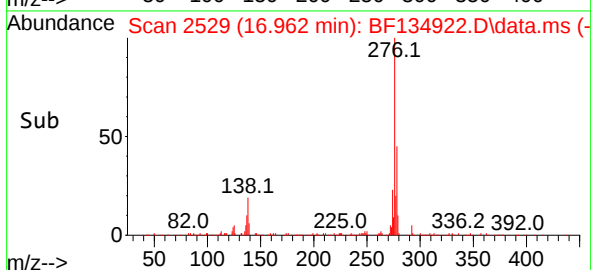
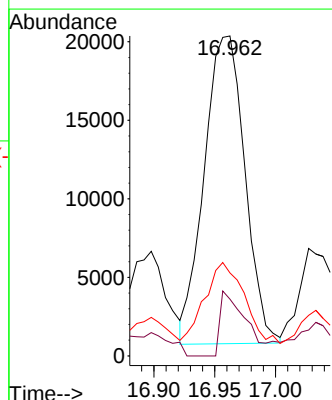
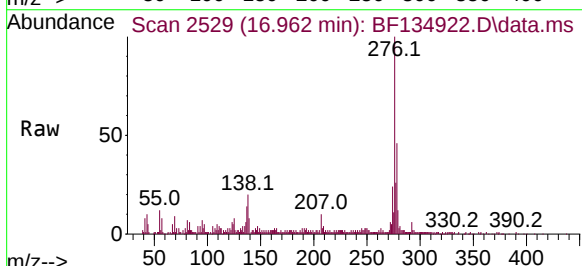
Tgt Ion:278 Resp: 45566

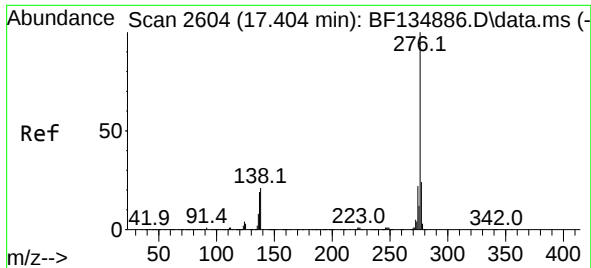
Ion Ratio Lower Upper

278 100

139 17.7 12.2 18.4

279 25.9 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 10.337 ng
 RT: 17.404 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF134922.D
 Acq: 24 Aug 2023 14:05

Instrument :
 BNA_F
 ClientSampleId :
 217

Tgt Ion:276 Resp: 169426
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.2 28.8
 138 20.2 17.0 25.6

