

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135122.D
 Acq On : 06 Sep 2023 06:35
 Operator : CG\JU
 Sample : 04219-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11939

Quant Time: Sep 06 07:28:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

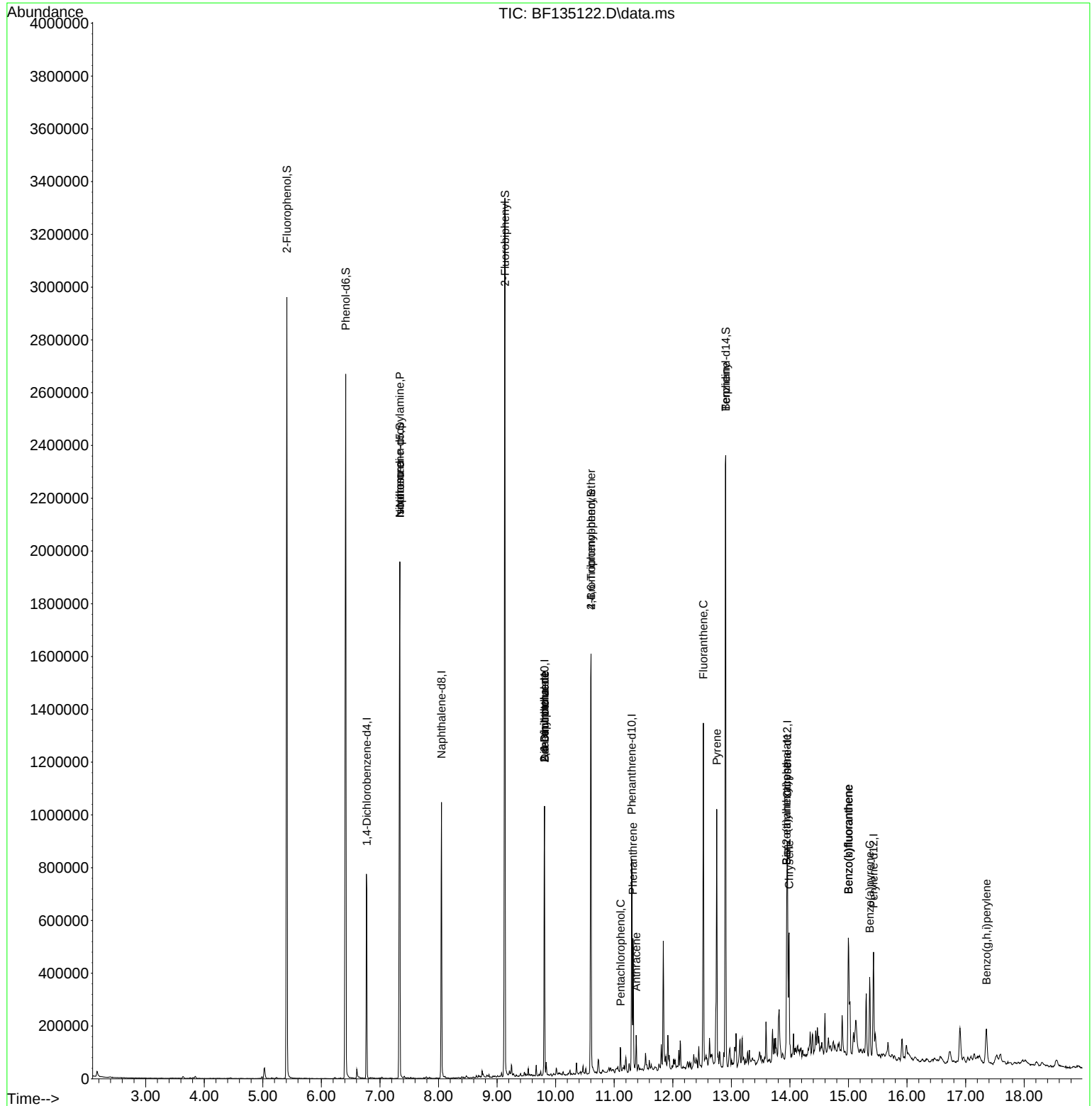
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	111146	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	441491	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	199674	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	301888	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	208450	20.000	ng	0.00
86) Perylene-d12	15.427	264	174030	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	821028	114.100	ng	0.01
7) Phenol-d6	6.416	99	1005012	112.054	ng	0.00
23) Nitrobenzene-d5	7.339	82	638205	81.213	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	205220	96.888	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	1040509	84.841	ng	0.00
79) Terphenyl-d14	12.904	244	852298	66.724	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	87693	16.460	ng	# 76
25) Isophorone	7.339	82	636933	42.749	ng	# 65
50) Dimethylphthalate	9.810	163	41229	2.949	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	25490	8.309	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	25490	6.667	ng	# 20
67) 4-Bromophenyl-phenylether	10.604	248	13260	4.141	ng	# 1
69) Atrazine	11.104	200	1198	Below Cal		# 37
70) Pentachlorophenol	11.110	266	7045	3.517	ng	93
71) Phenanthrene	11.321	178	187543	12.042	ng	98
72) Anthracene	11.374	178	47036	2.956	ng	98
75) Fluoranthene	12.521	202	470600	29.886	ng	99
77) Benzidine	12.904	184	11277	3.001	ng	# 94
78) Pyrene	12.751	202	356275	18.001	ng	100
81) Benzo(a)anthracene	13.945	228	174889	12.300	ng	94
83) Chrysene	13.986	228	211928	15.166	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	29687	4.012	ng	# 99
88) Benzo(b)fluoranthene	14.998	252	319559	29.511	ng	100
89) Benzo(k)fluoranthene	14.998	252	319559	30.547	ng	99
90) Benzo(a)pyrene	15.362	252	133730	13.294	ng	99
92) Benzo(g,h,i)perylene	17.356	276	104570	10.590	ng	95

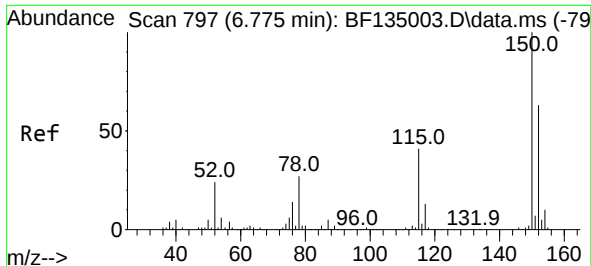
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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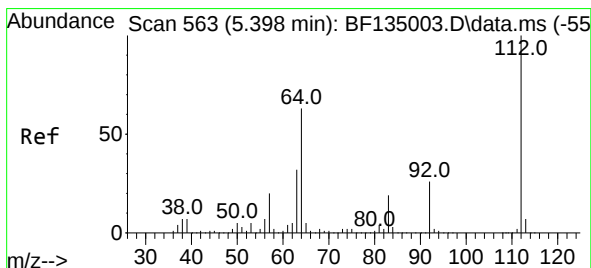
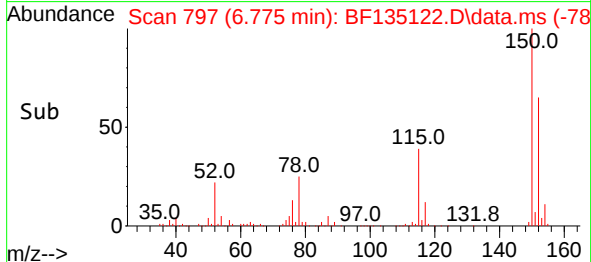
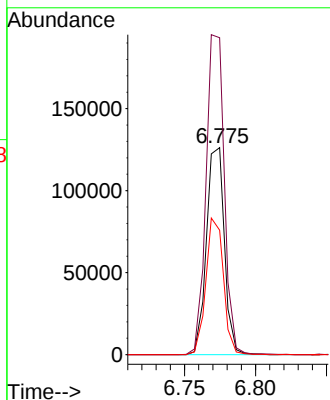
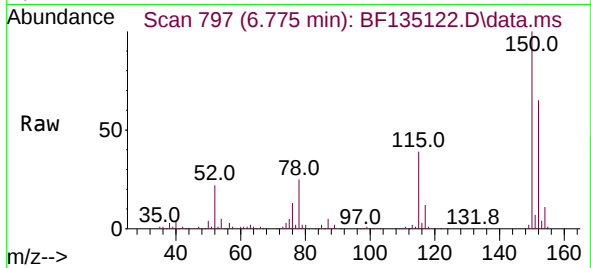




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

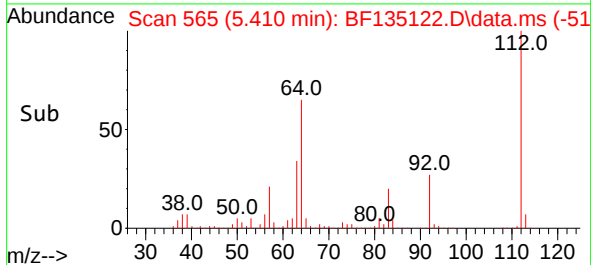
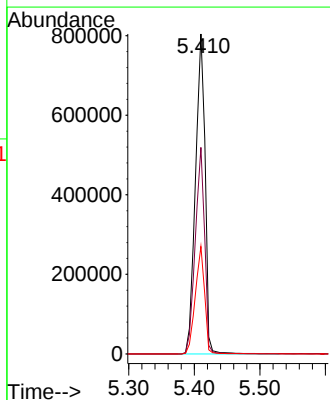
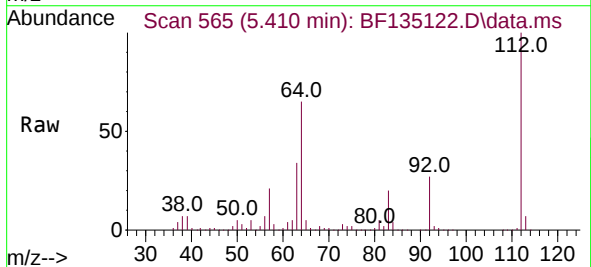
Instrument :
BNA_F
ClientSampleId :
72-11939

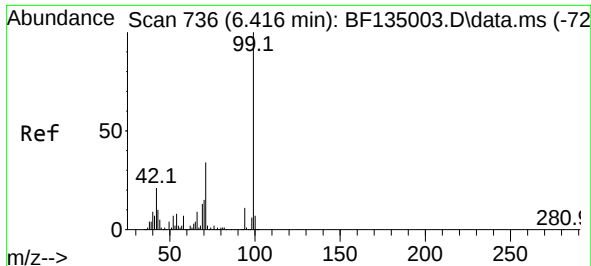
Tgt Ion:152 Resp: 111146
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.4
115 60.1 51.2 76.8



#5
2-Fluorophenol
Concen: 114.100 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion:112 Resp: 821028
Ion Ratio Lower Upper
112 100
64 64.5 50.5 75.7
63 33.6 25.9 38.9



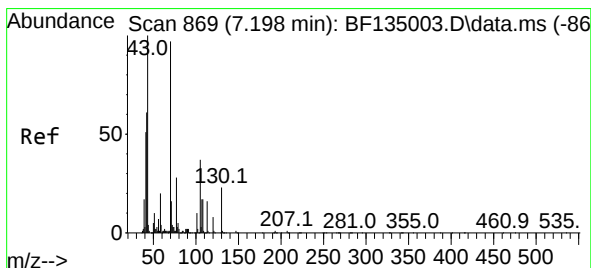
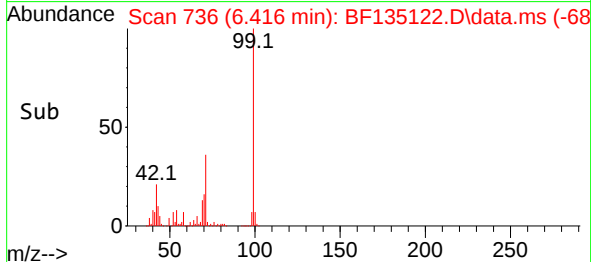
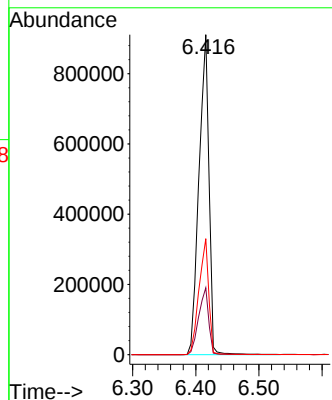
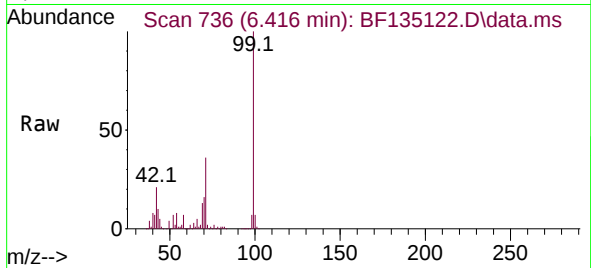


#7
Phenol-d6
Concen: 112.054 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Instrument :
BNA_F
ClientSampleId :
72-11939

Tgt Ion: 99 Resp: 1005012

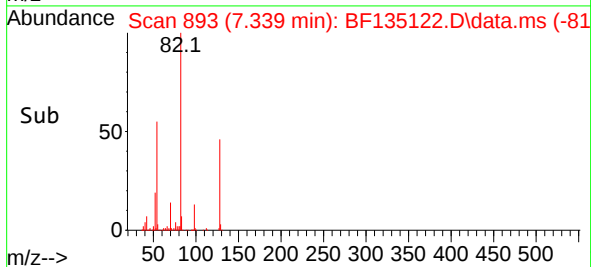
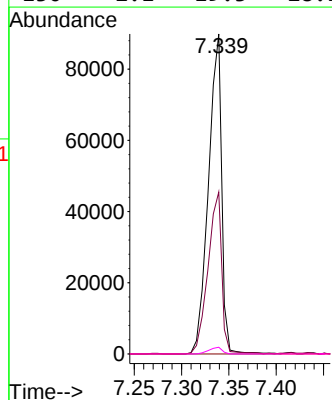
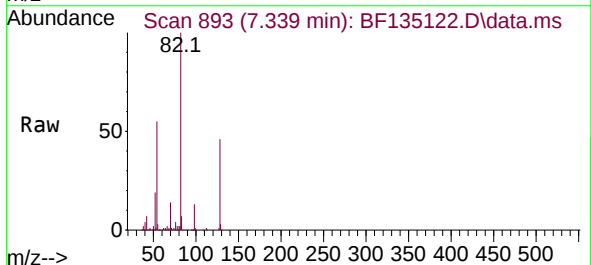
Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	25.0
71	36.2	27.0	40.6

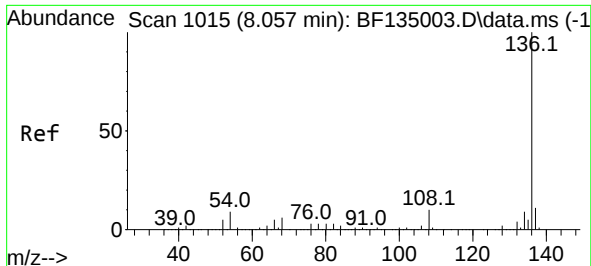


#19
n-Nitroso-di-n-propylamine
Concen: 16.460 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion: 70 Resp: 87693

Ion	Ratio	Lower	Upper
70	100		
42	50.6	50.2	75.4
101	0.0	8.1	12.1#
130	2.1	19.3	28.9#

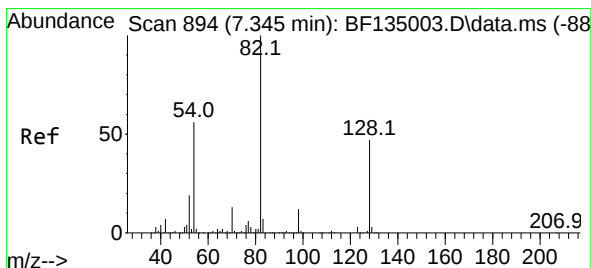
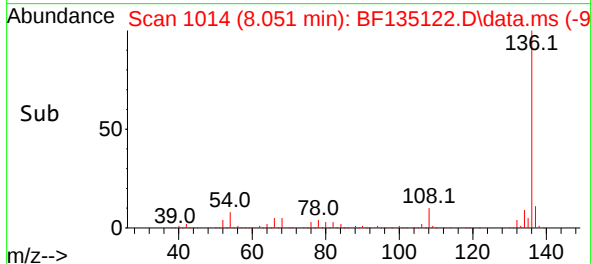
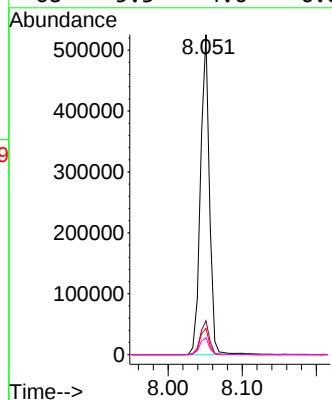
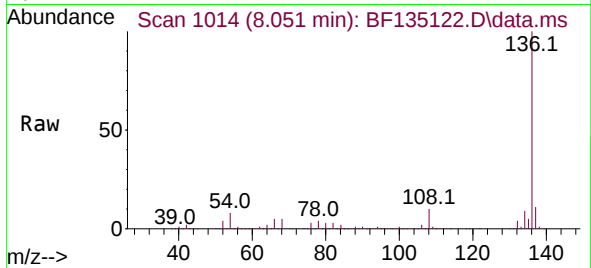




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

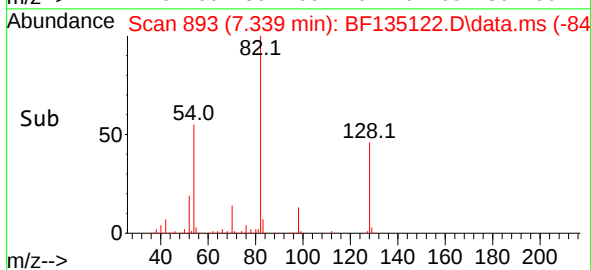
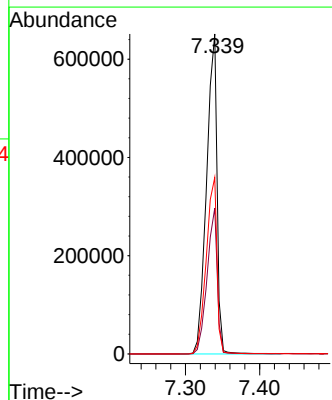
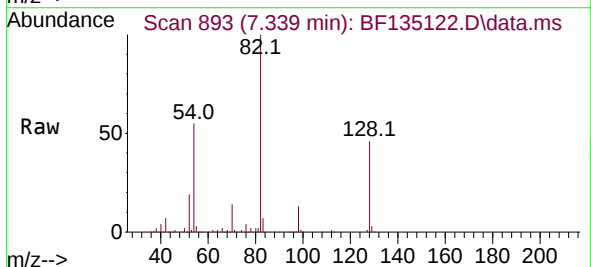
Instrument :
BNA_F
ClientSampleId :
72-11939

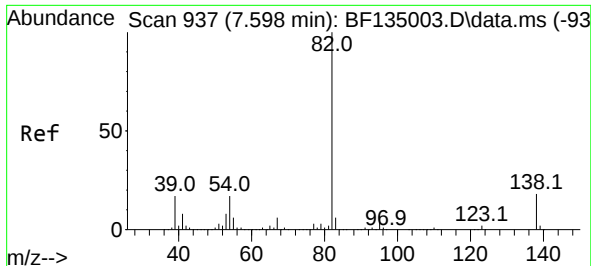
Tgt Ion:136	Resp: 441491
Ion Ratio	Lower Upper
136 100	
137 10.6	8.8 13.2
54 8.2	7.0 10.4
68 5.3	4.6 6.8



#23
Nitrobenzene-d5
Concen: 81.213 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion: 82	Resp: 638205
Ion Ratio	Lower Upper
82 100	
128 45.6	37.8 56.8
54 55.2	45.0 67.6

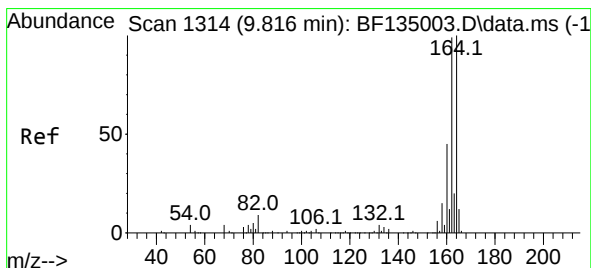
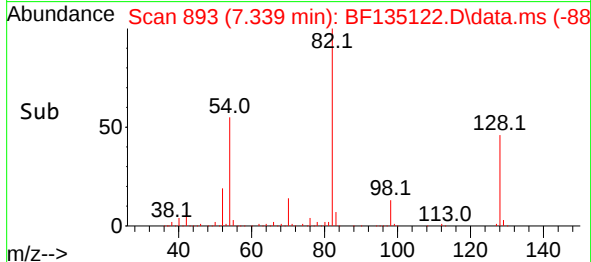
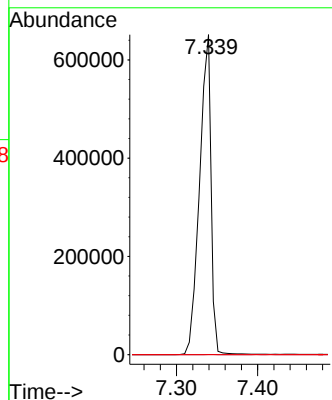
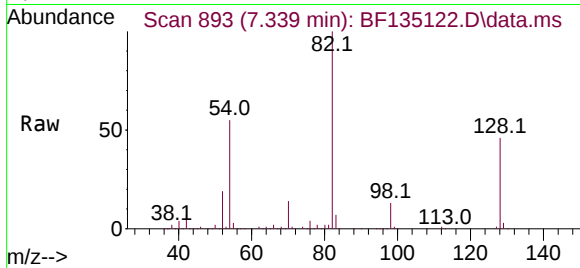




#25
Isophorone
Concen: 42.749 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

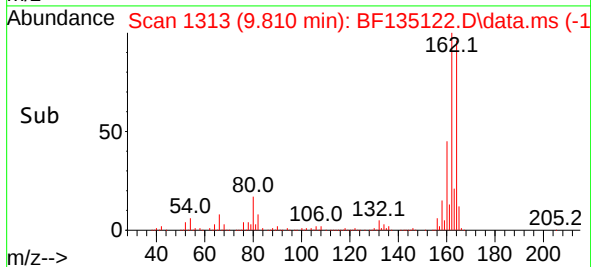
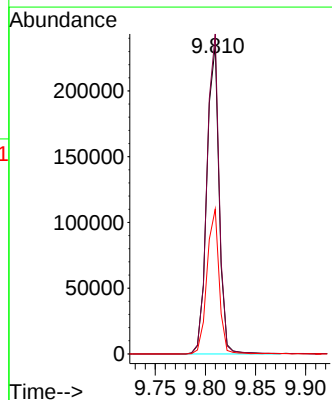
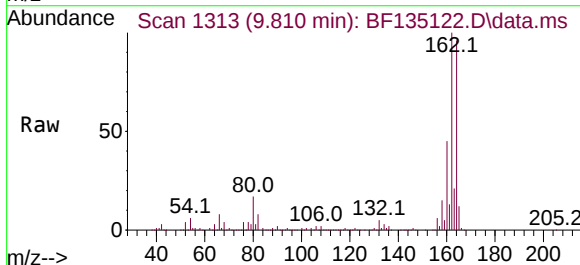
Instrument :
BNA_F
ClientSampleId :
72-11939

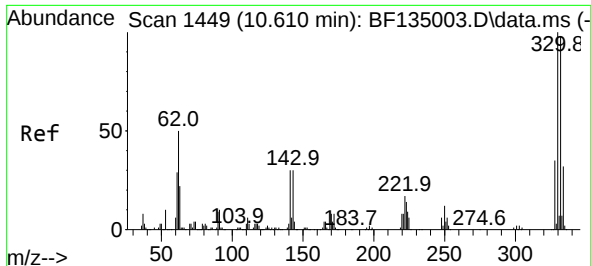
Tgt Ion: 82 Resp: 636933
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion: 164 Resp: 199674
Ion Ratio Lower Upper
164 100
162 103.7 79.5 119.3
160 46.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 96.888 ng

RT: 10.604 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939

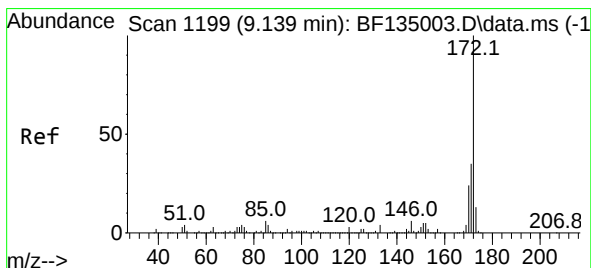
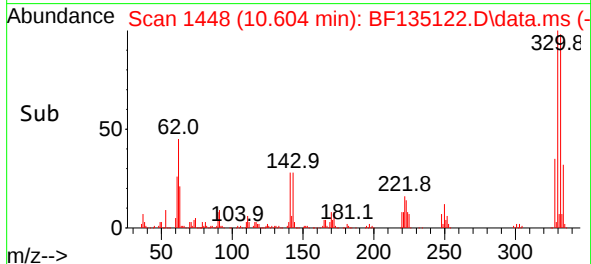
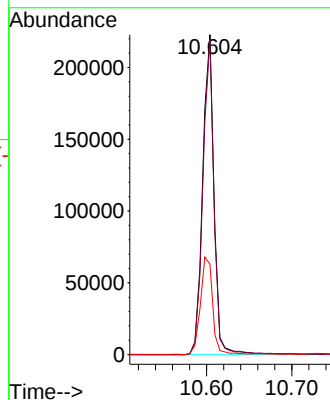
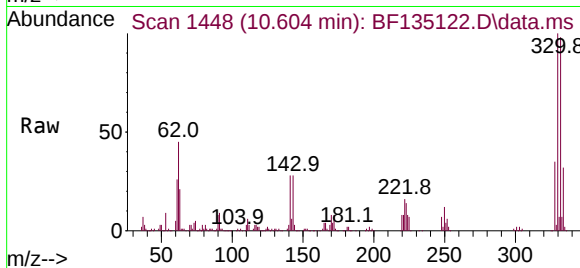
Tgt Ion:330 Resp: 205220

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 33.0 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 84.841 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

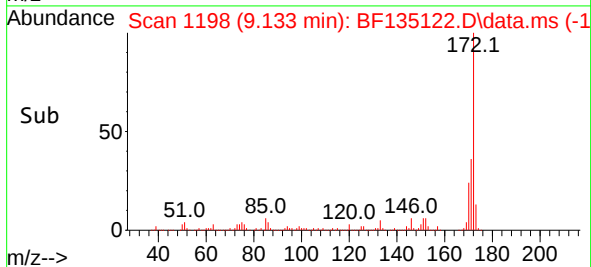
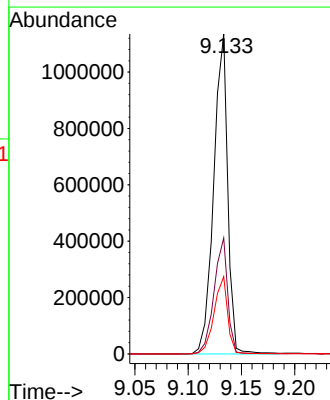
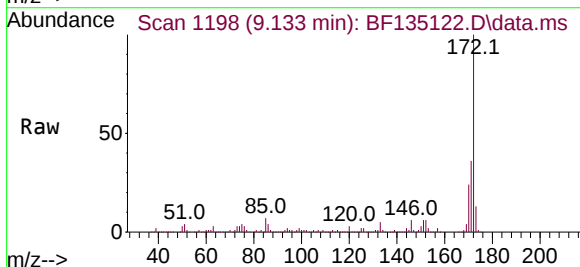
Tgt Ion:172 Resp: 1040509

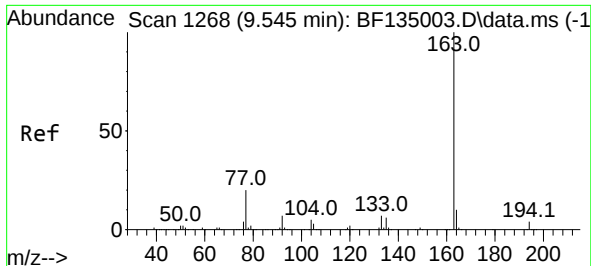
Ion Ratio Lower Upper

172 100

171 36.2 28.2 42.2

170 24.1 19.0 28.4

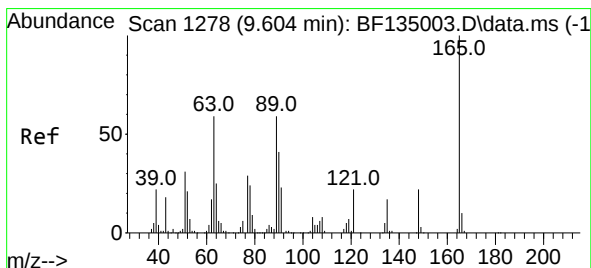
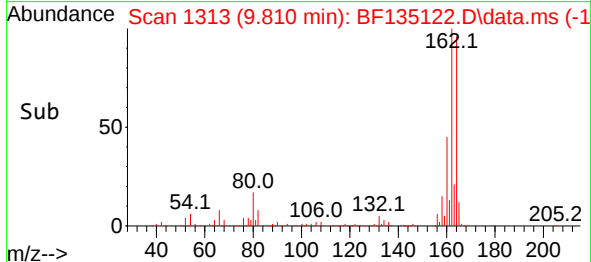
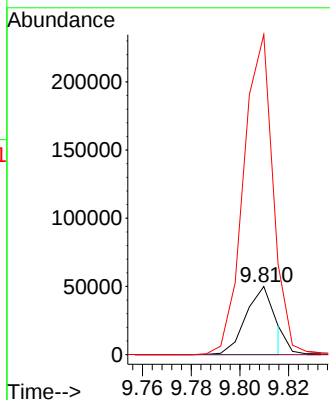
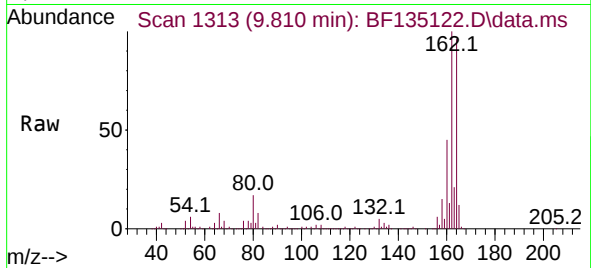




#50
Dimethylphthalate
Concen: 2.949 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

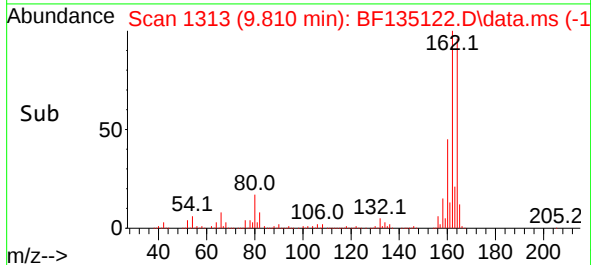
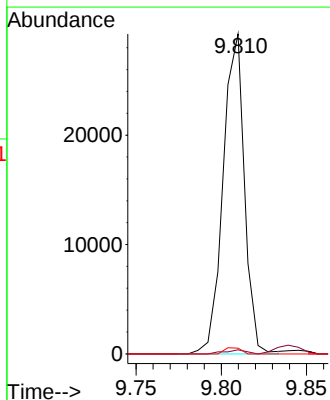
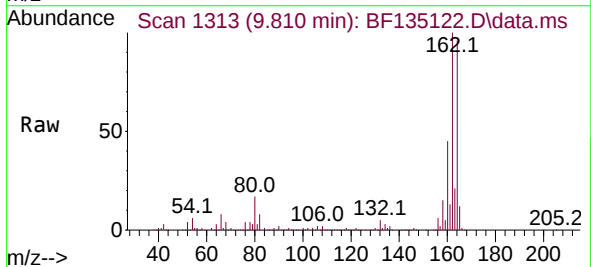
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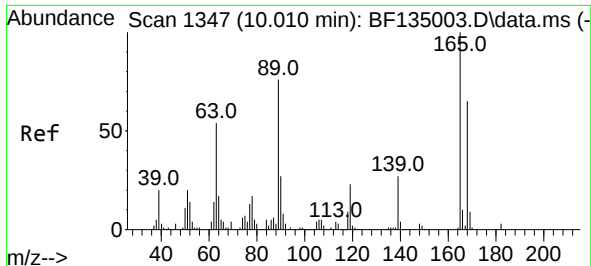
Tgt Ion:163 Resp: 41229
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 470.1 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.309 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion:165 Resp: 25490
Ion Ratio Lower Upper
165 100
63 1.3 50.4 75.6#
89 1.8 47.1 70.7#

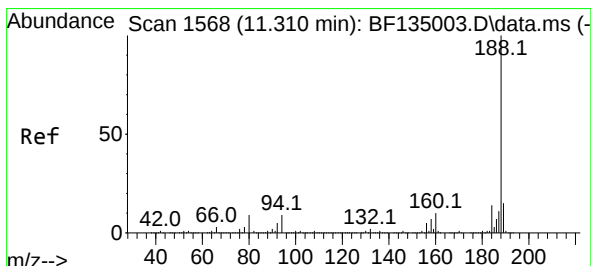
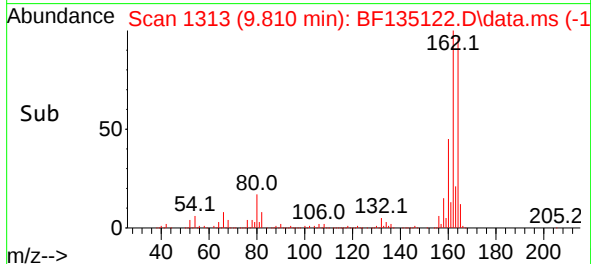
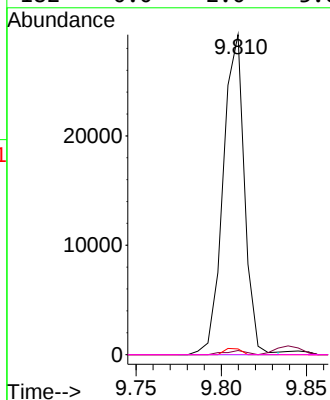
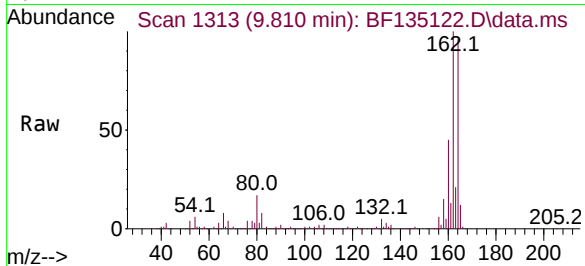




#57
2,4-Dinitrotoluene
Concen: 6.667 ng
RT: 9.810 min Scan# 1347
Delta R.T. -0.200 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

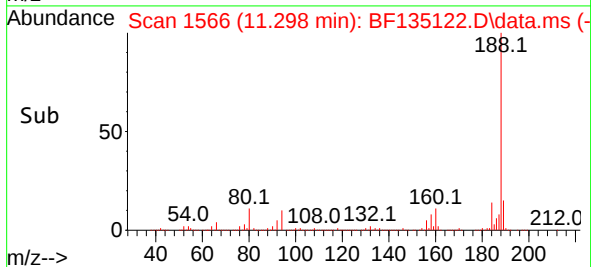
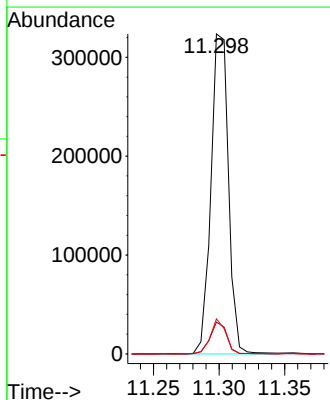
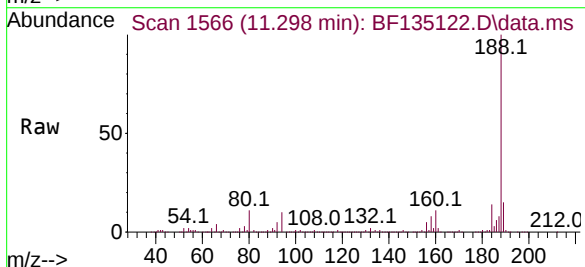
Instrument :
BNA_F
ClientSampleId :
72-11939

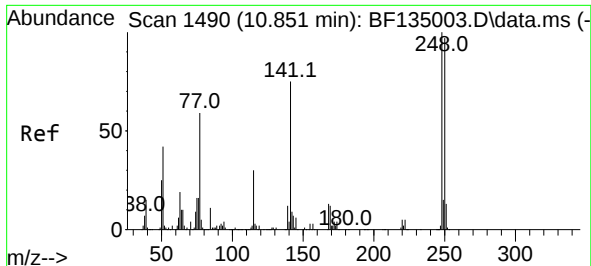
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Ion Ratio Lower Upper
165 100
63 1.3 43.2 64.8#
89 1.8 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion:188 Resp: 301888
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.4
80 10.9 7.4 11.2

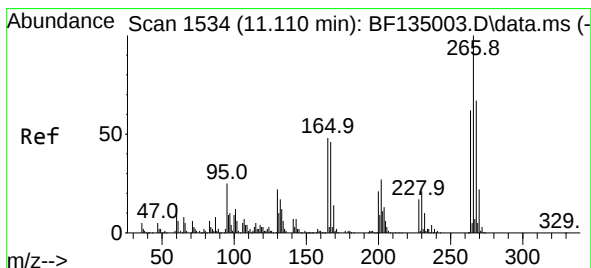
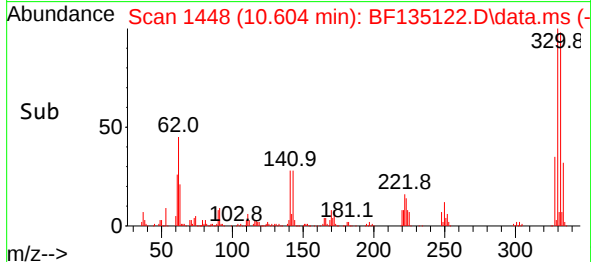
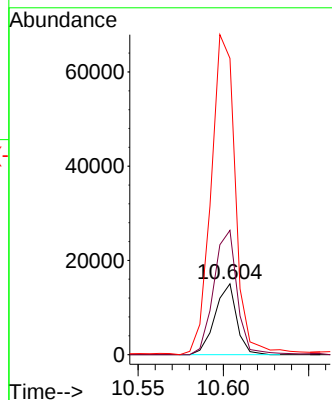
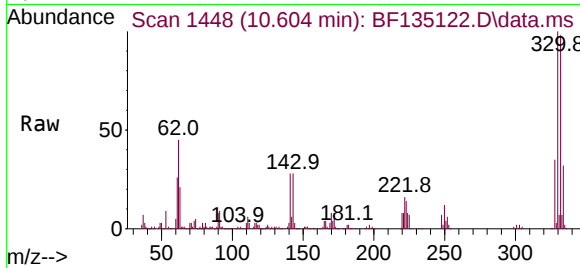




#67
4-Bromophenyl-phenylether
Concen: 4.141 ng
RT: 10.604 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

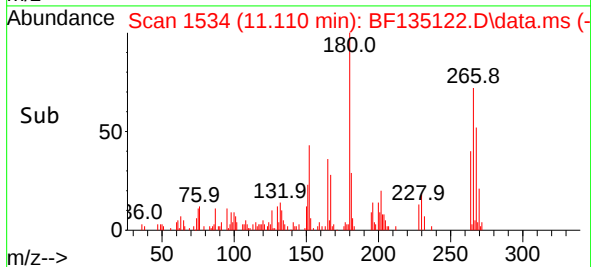
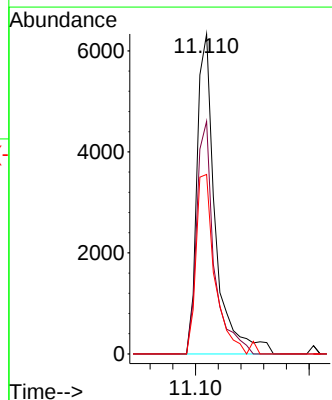
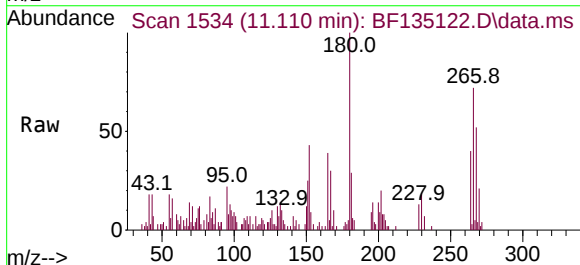
Instrument :
BNA_F
ClientSampleId :
72-11939

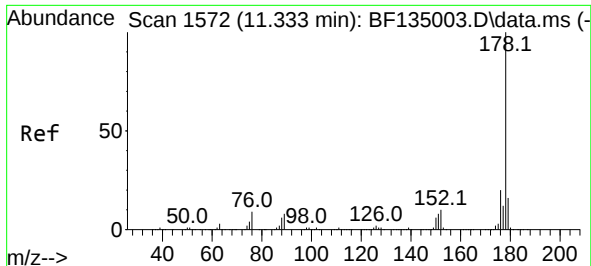
Tgt Ion:248 Resp: 13260
Ion Ratio Lower Upper
248 100
250 175.6 77.9 116.9#
141 418.5 59.8 89.8#



#70
Pentachlorophenol
Concen: 3.517 ng
RT: 11.110 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion:266 Resp: 7045
Ion Ratio Lower Upper
266 100
268 72.7 53.3 79.9
264 56.1 49.3 73.9

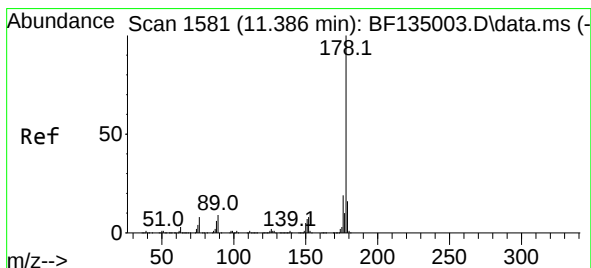
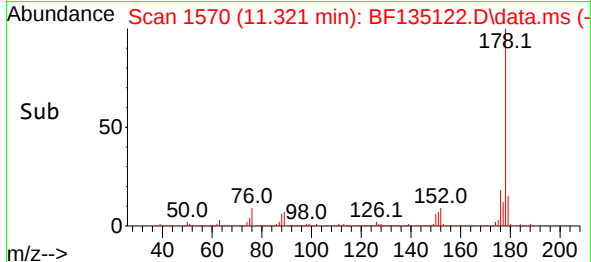
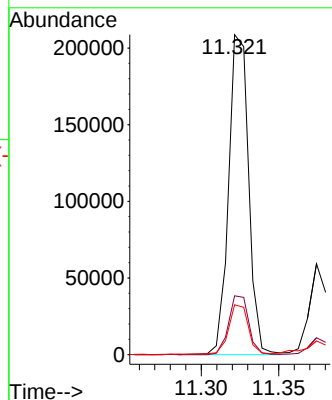
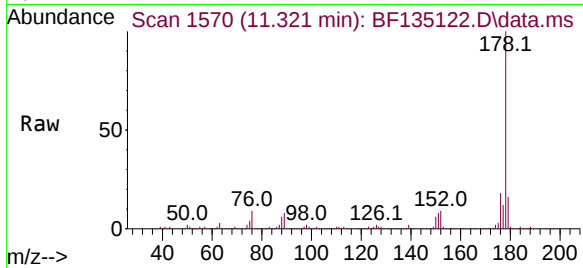




#71
Phenanthrene
Concen: 12.042 ng
RT: 11.321 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

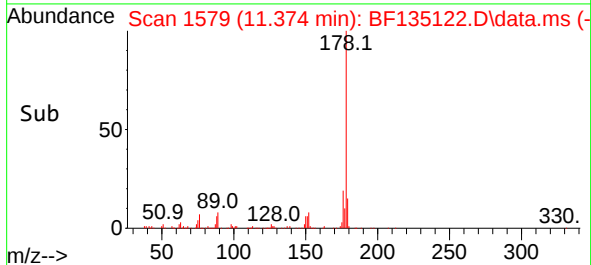
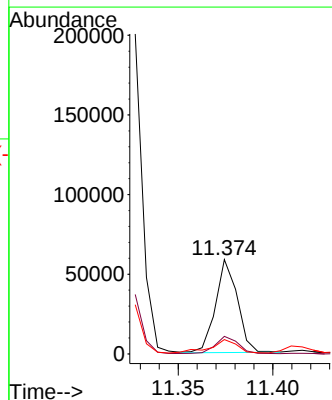
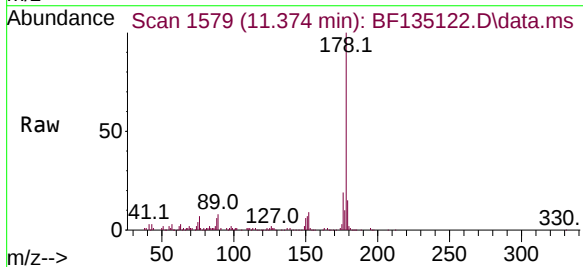
Instrument :
BNA_F
ClientSampleId :
72-11939

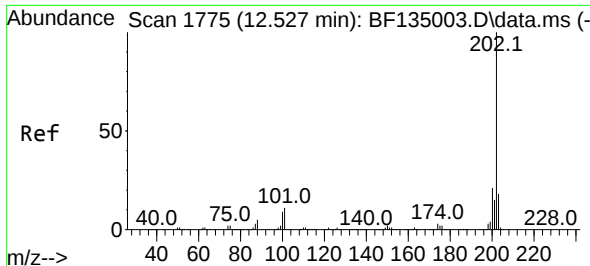
Tgt Ion:178 Resp: 187543
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 2.956 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion:178 Resp: 47036
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.1 12.8 19.2

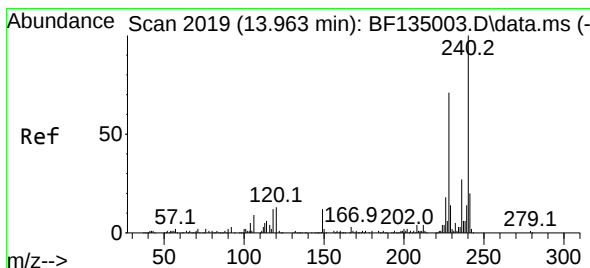
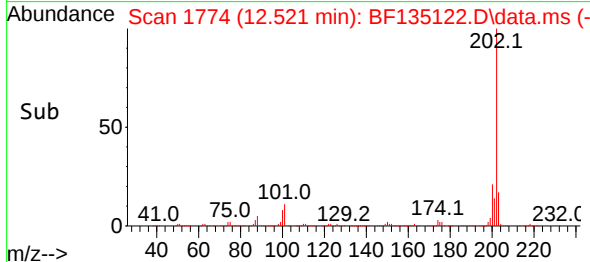
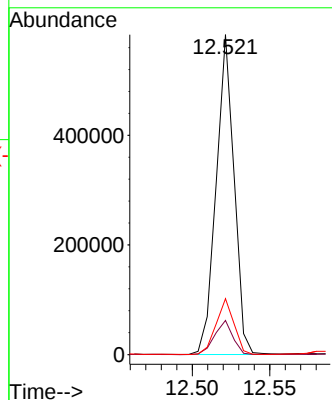
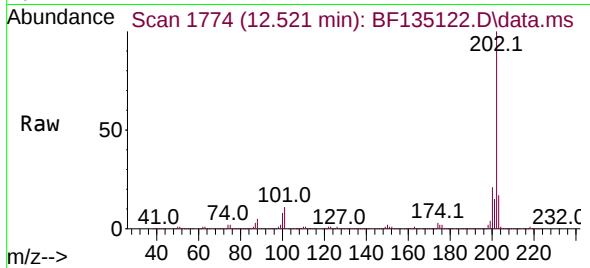




#75
Fluoranthene
Concen: 29.886 ng
RT: 12.521 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

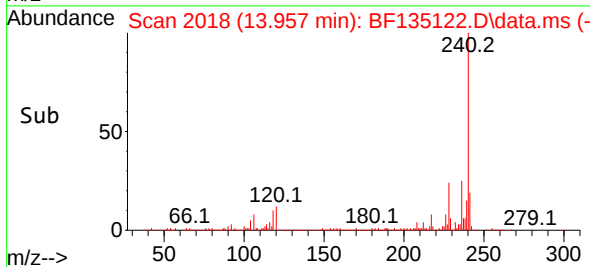
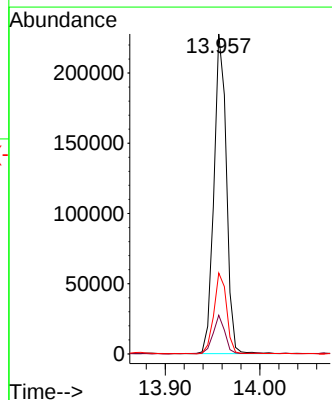
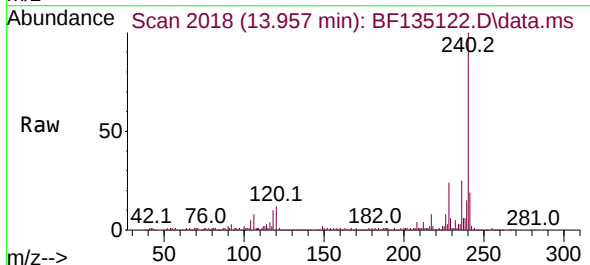
Instrument :
BNA_F
ClientSampleId :
72-11939

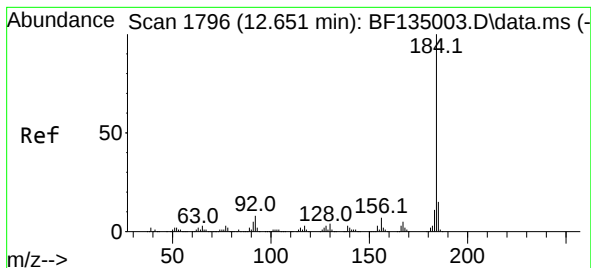
Tgt Ion:202 Resp: 470600
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135122.D
Acq: 06 Sep 2023 06:35

Tgt Ion:240 Resp: 208450
Ion Ratio Lower Upper
240 100
120 12.1 10.2 15.2
236 25.3 21.3 31.9





#77

Benzidine

Concen: 3.001 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.253 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939

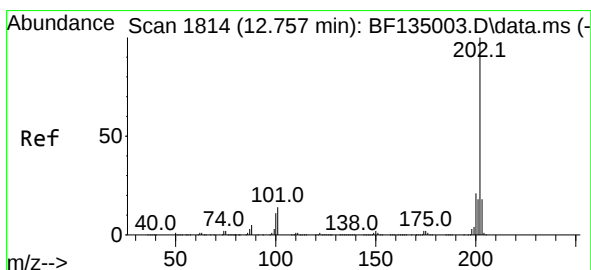
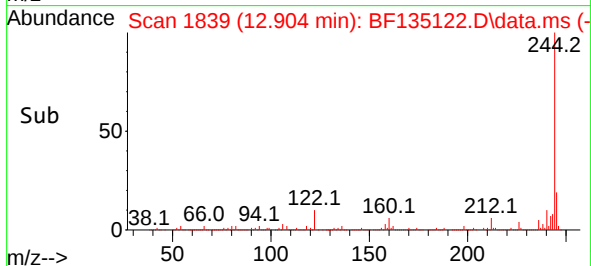
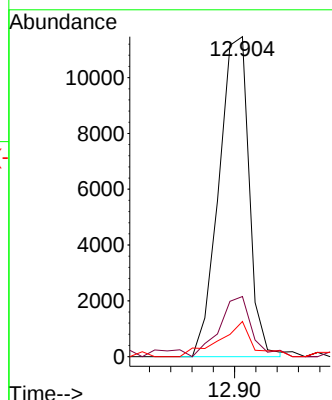
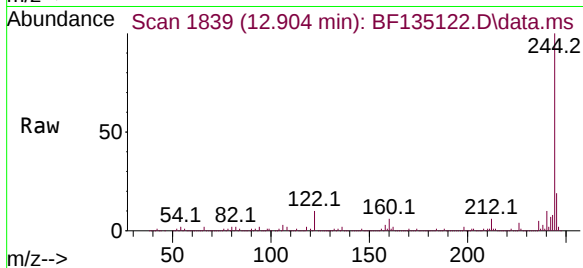
Tgt Ion:184 Resp: 11277

Ion Ratio Lower Upper

184 100

185 18.8 12.0 18.0#

183 11.0 9.0 13.6



#78

Pyrene

Concen: 18.001 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

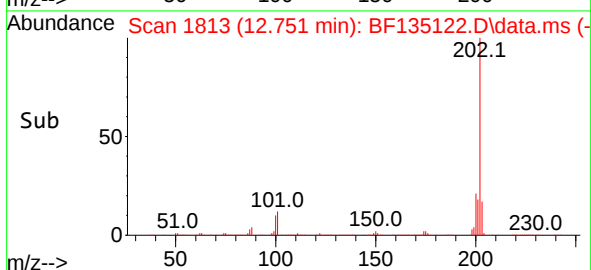
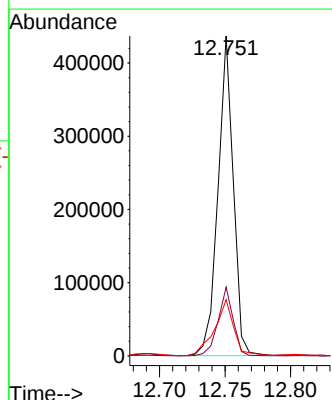
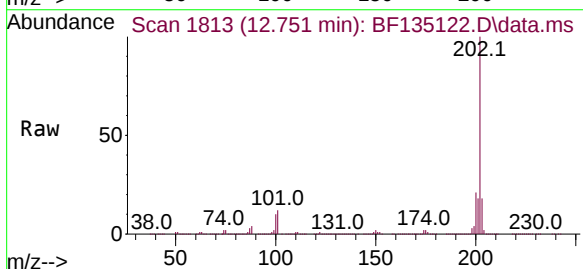
Tgt Ion:202 Resp: 356275

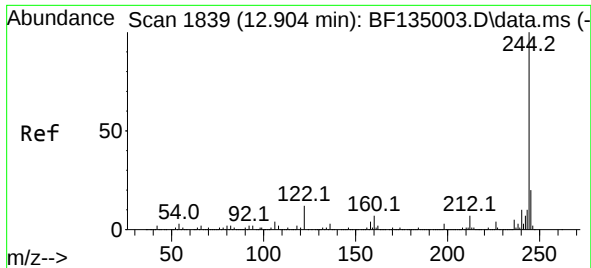
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.6 14.2 21.2

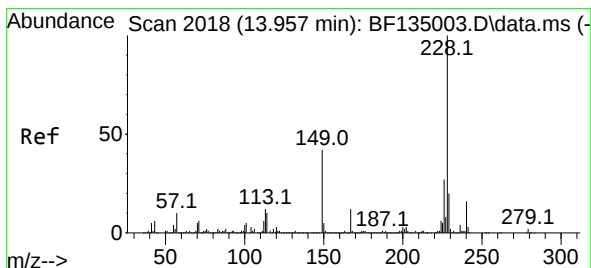
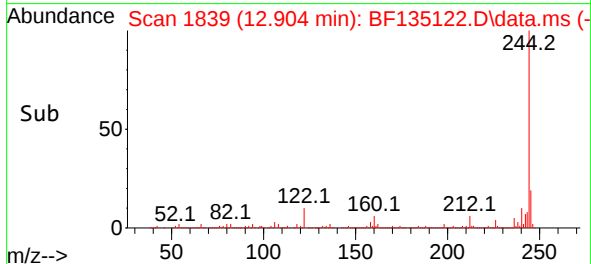
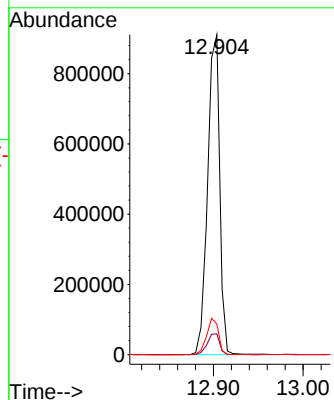
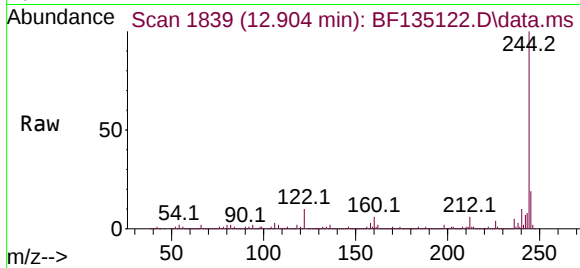




#79
 Terphenyl-d14
 Concen: 66.724 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.000 min
 Lab File: BF135122.D
 Acq: 06 Sep 2023 06:35

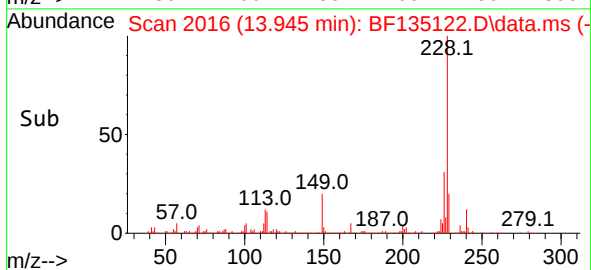
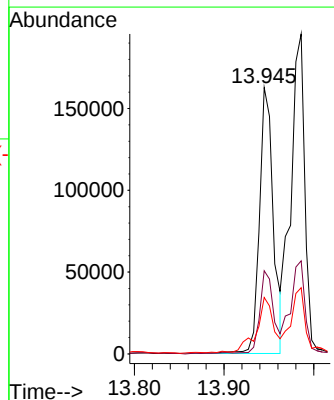
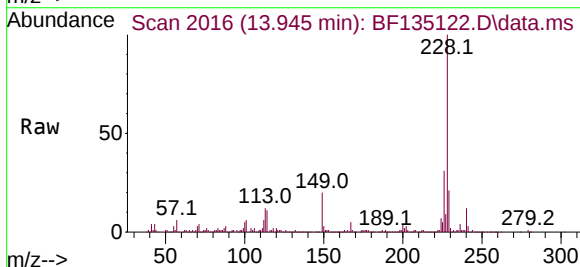
Instrument :
 BNA_F
 ClientSampleId :
 72-11939

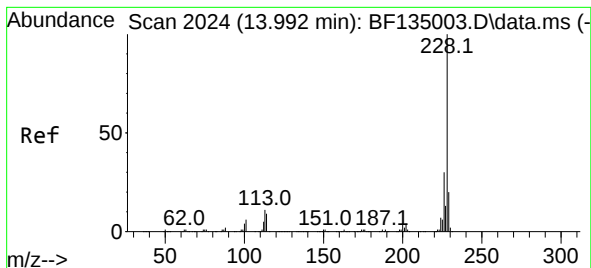
Tgt Ion:244 Resp: 852298
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 9.6 9.8 14.6#



#81
 Benzo(a)anthracene
 Concen: 12.300 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF135122.D
 Acq: 06 Sep 2023 06:35

Tgt Ion:228 Resp: 174889
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.6 32.4
 229 21.2 15.6 23.4





#83

Chrysene

Concen: 15.166 ng

RT: 13.986 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939

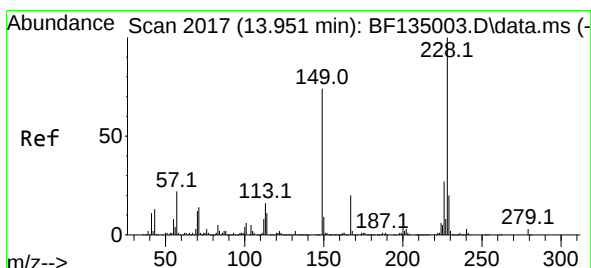
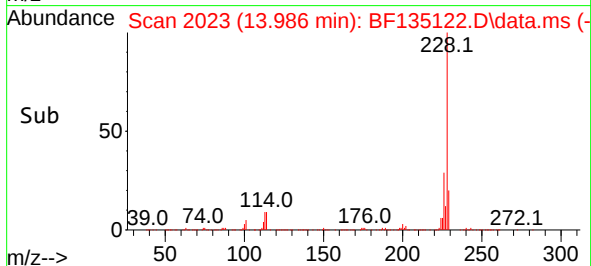
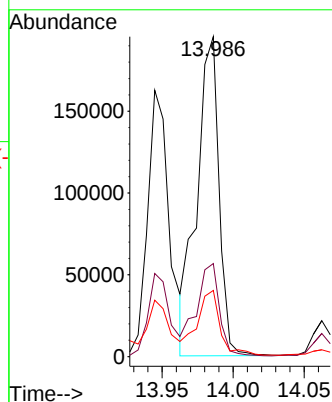
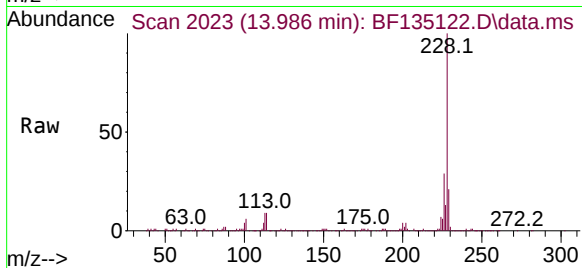
Tgt Ion:228 Resp: 211928

Ion Ratio Lower Upper

228 100

226 29.1 24.2 36.4

229 20.7 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.012 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

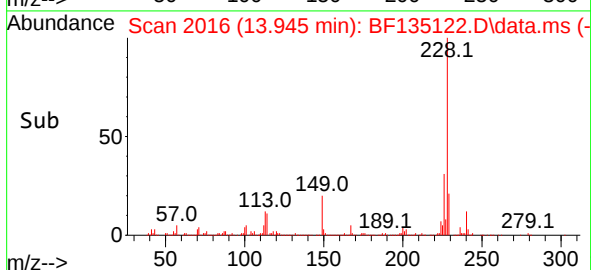
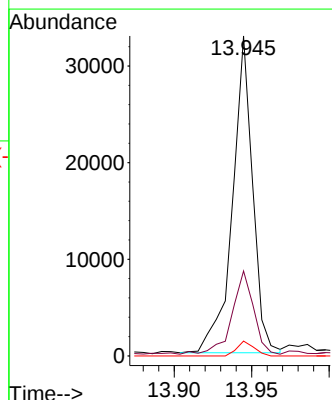
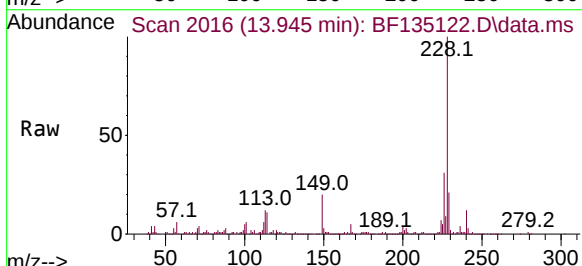
Tgt Ion:149 Resp: 29687

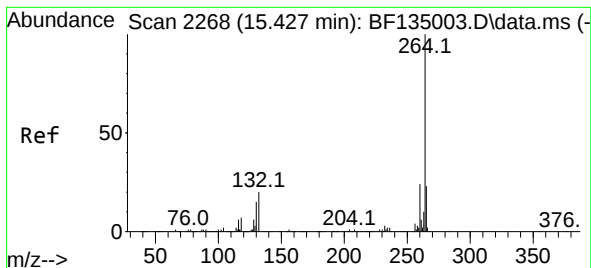
Ion Ratio Lower Upper

149 100

167 26.5 21.4 32.0

279 4.6 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939

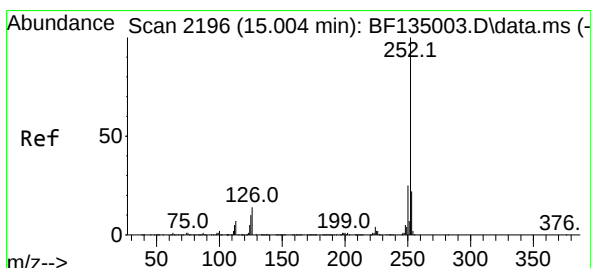
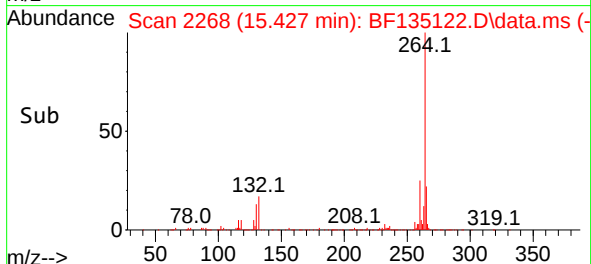
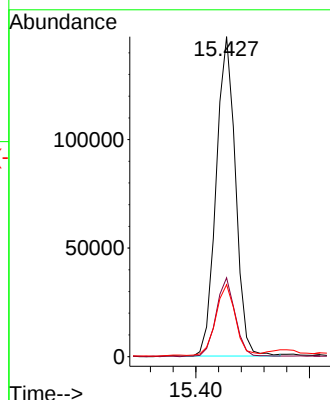
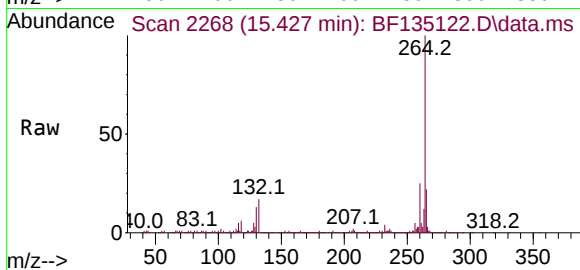
Tgt Ion:264 Resp: 174030

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.6

265 22.5 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 29.511 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

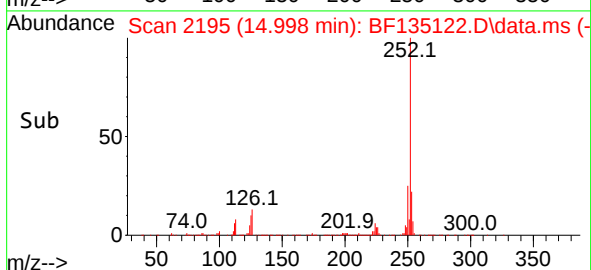
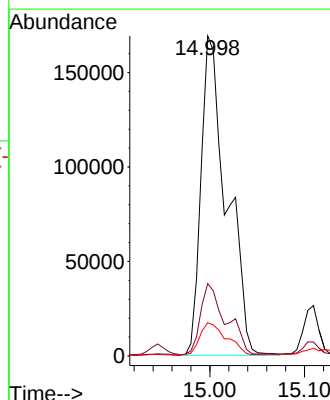
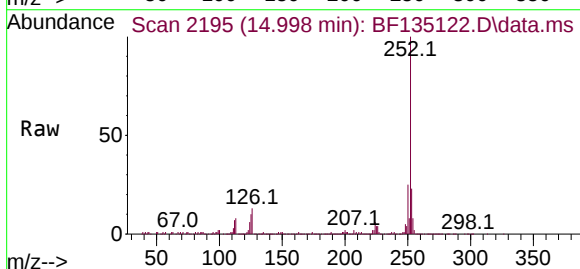
Tgt Ion:252 Resp: 319559

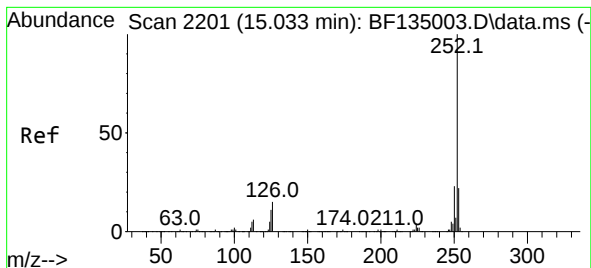
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 10.4 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 30.547 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939

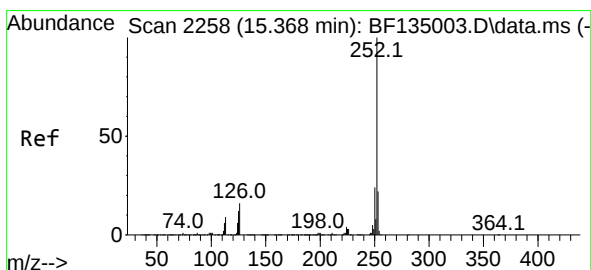
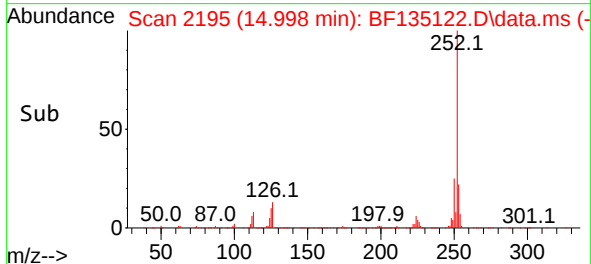
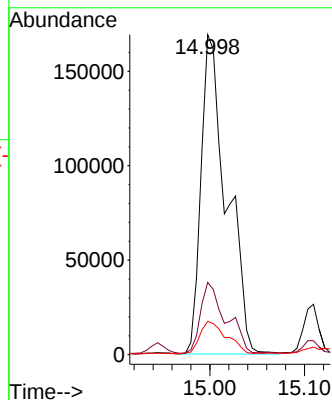
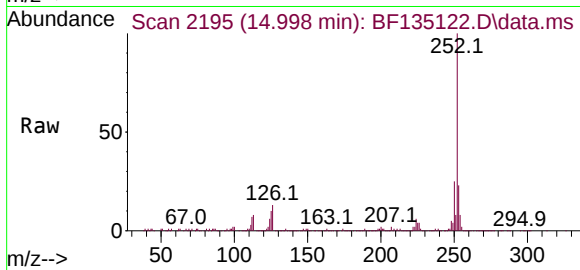
Tgt Ion:252 Resp: 319559

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 10.4 8.5 12.7



#90

Benzo(a)pyrene

Concen: 13.294 ng

RT: 15.362 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF135122.D

Acq: 06 Sep 2023 06:35

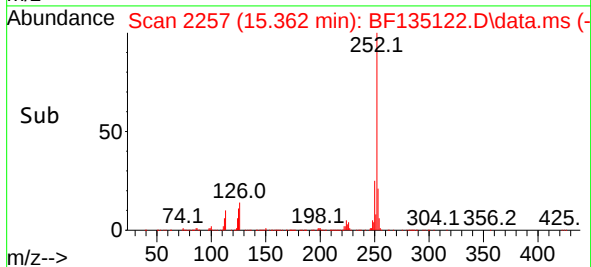
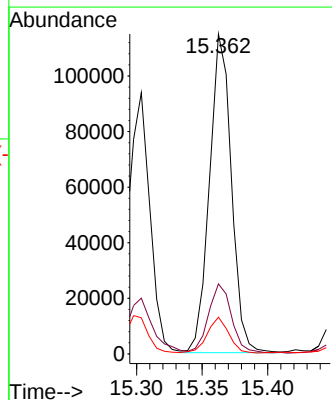
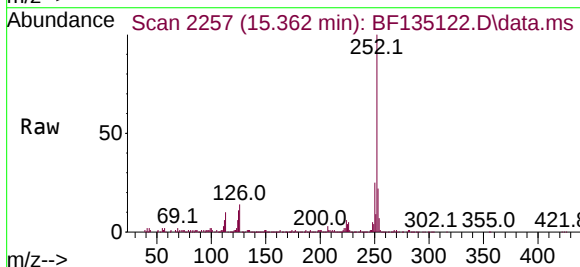
Tgt Ion:252 Resp: 133730

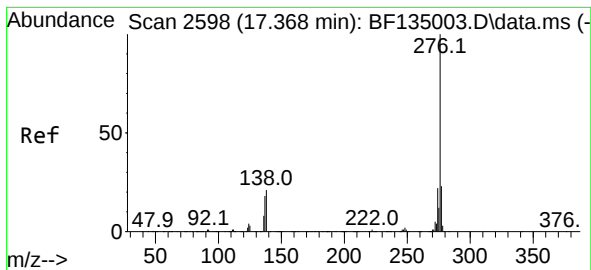
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 11.5 9.5 14.3





#92

Benzo(g,h,i)perylene

Concen: 10.590 ng

RT: 17.356 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF135122.D

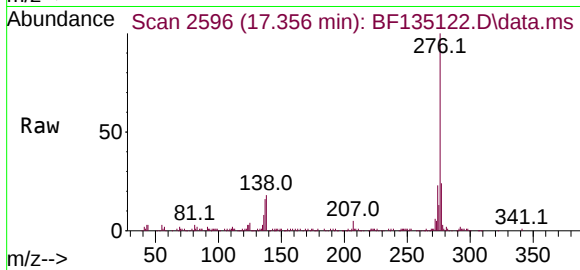
Acq: 06 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

72-11939



Tgt Ion:276 Resp: 104570

Ion Ratio Lower Upper

276 100

277 24.2 18.5 27.7

138 17.9 17.1 25.7

