

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135096.D
 Acq On : 05 Sep 2023 15:32
 Operator : CG\JU
 Sample : 04110-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-27(0-1)

Quant Time: Sep 06 01:52:51 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)

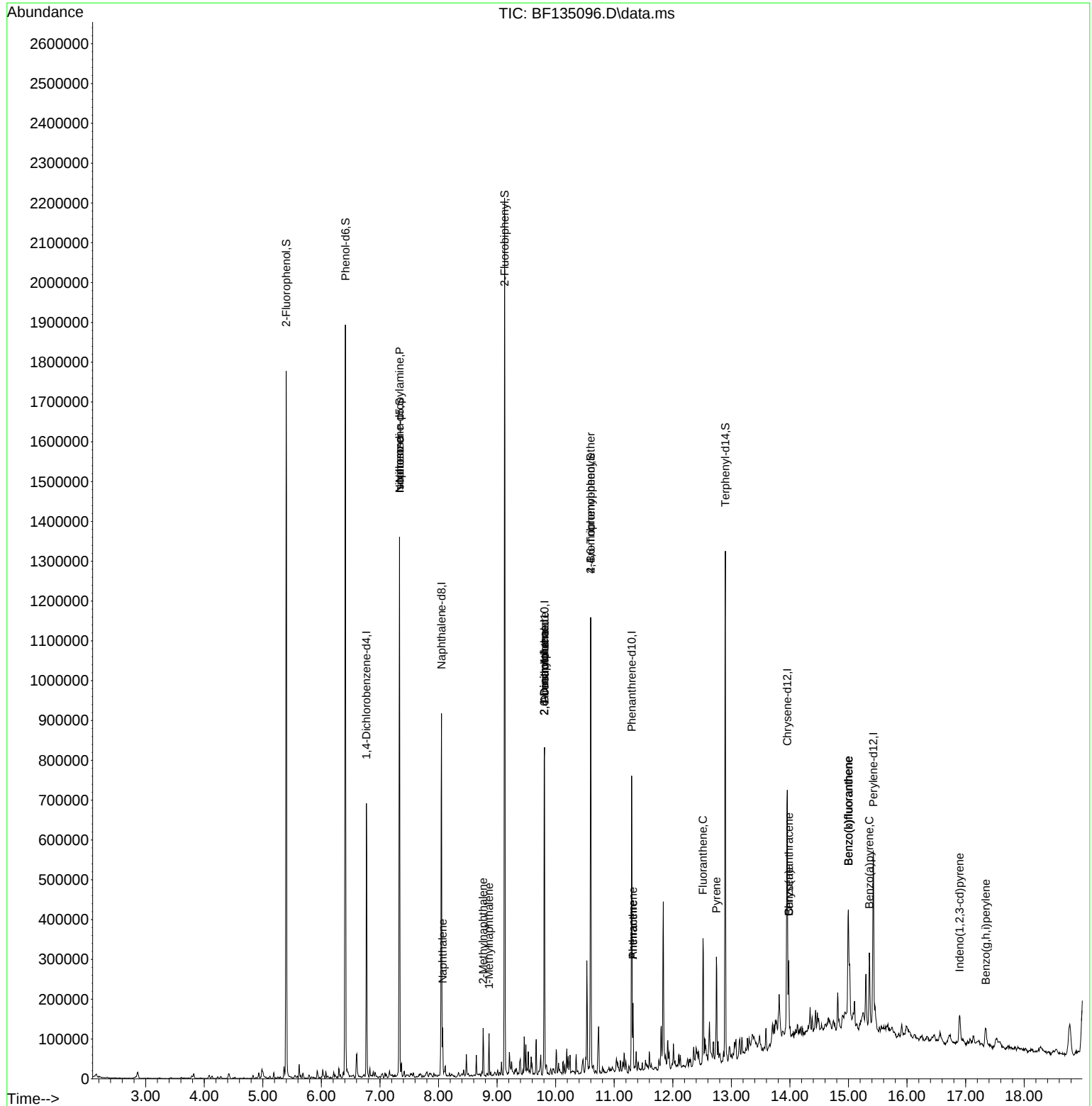
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	91743	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	367824	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	167955	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	249808	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	176583	20.000	ng	0.00
86) Perylene-d12	15.421	264	210651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	468532	78.884	ng	0.00
7) Phenol-d6	6.410	99	582936	78.741	ng	0.00
23) Nitrobenzene-d5	7.334	82	376211	57.462	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	121010	67.920	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	621227	60.220	ng	-0.01
79) Terphenyl-d14	12.898	244	429685	39.710	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	51142	11.630	ng	# 78
25) Isophorone	7.334	82	375214	30.227	ng	# 65
31) Naphthalene	8.069	128	38445	2.140	ng	100
37) 2-Methylnaphthalene	8.763	142	27447	2.289	ng	100
38) 1-Methylnaphthalene	8.863	142	24070	2.146	ng	99
50) Dimethylphthalate	9.810	163	33865	2.880	ng	# 1
51) 2,6-Dinitrotoluene	9.804	165	22867	8.861	ng	# 22
57) 2,4-Dinitrotoluene	9.804	165	22867	7.111	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	7848	2.962	ng	# 1
71) Phenanthrene	11.322	178	54991	4.267	ng	98
72) Anthracene	11.322	178	54991	4.176	ng	99
75) Fluoranthene	12.516	202	120863	9.276	ng	98
78) Pyrene	12.745	202	108451	6.469	ng	100
81) Benzo(a)anthracene	13.980	228	71747	5.956	ng	94
83) Chrysene	13.980	228	71747	6.061	ng	96
87) Indeno(1,2,3-cd)pyrene	16.898	276	49221	3.469	ng	99
88) Benzo(b)fluoranthene	14.998	252	182195	13.901	ng	100
89) Benzo(k)fluoranthene	14.998	252	182195	14.388	ng	99
90) Benzo(a)pyrene	15.357	252	79494	6.529	ng	97
92) Benzo(g,h,i)perylene	17.345	276	39778	3.328	ng	98

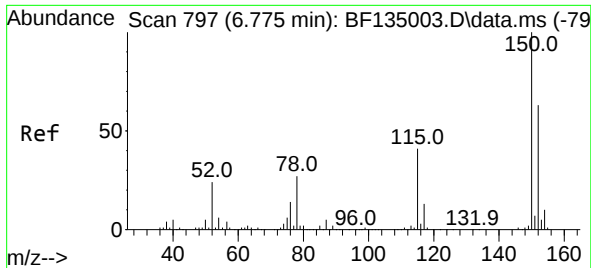
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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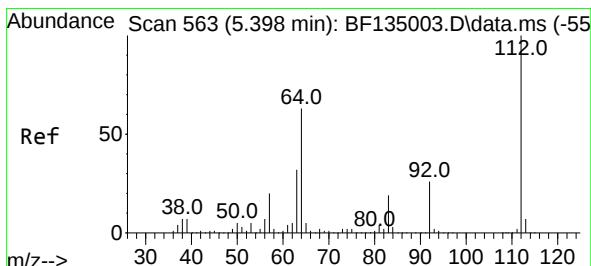
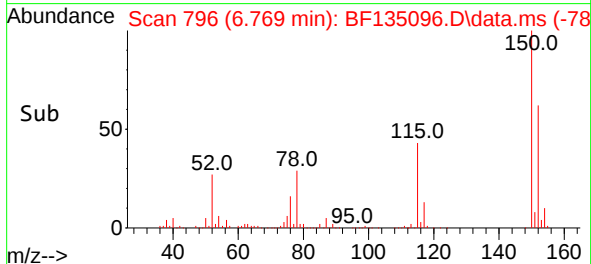
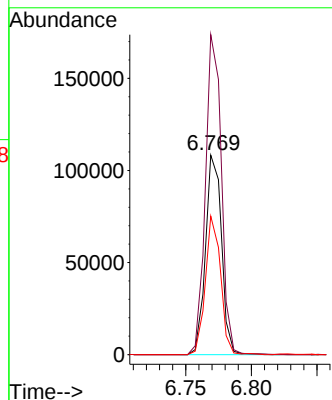
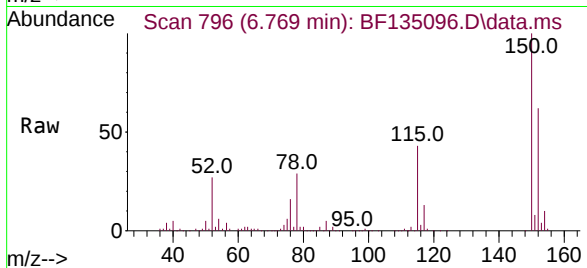




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

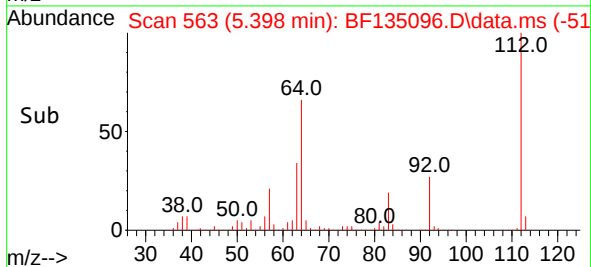
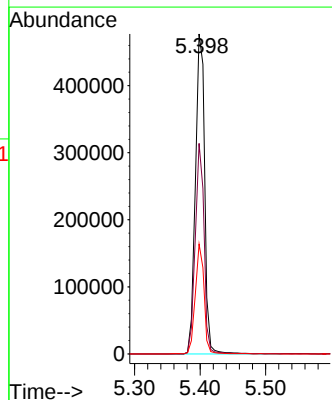
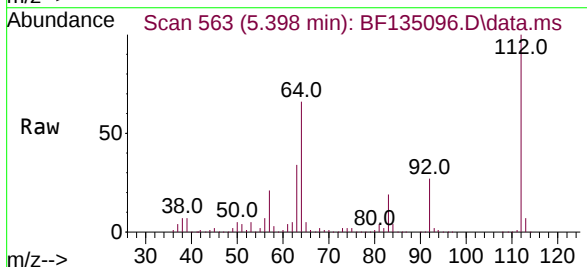
Instrument :
BNA_F
ClientSampleId :
SS-TP-27(0-1)

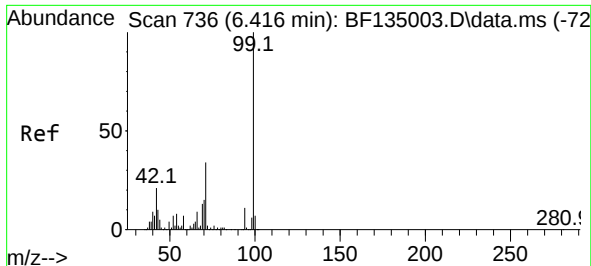
Tgt Ion:152 Resp: 91743
Ion Ratio Lower Upper
152 100
150 160.4 126.2 189.4
115 69.4 51.2 76.8



#5
2-Fluorophenol
Concen: 78.884 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion:112 Resp: 468532
Ion Ratio Lower Upper
112 100
64 65.8 50.5 75.7
63 34.3 25.9 38.9





#7
Phenol-d6
Concen: 78.741 ng
RT: 6.410 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

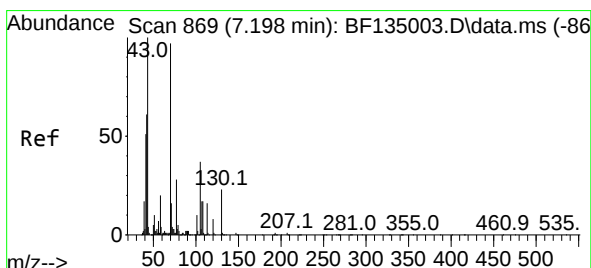
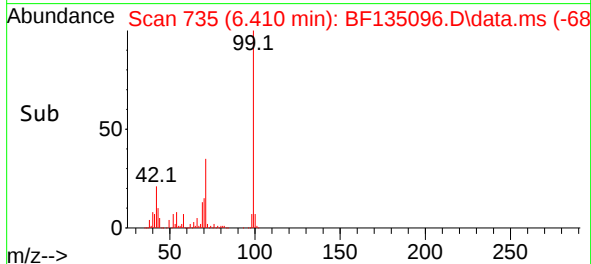
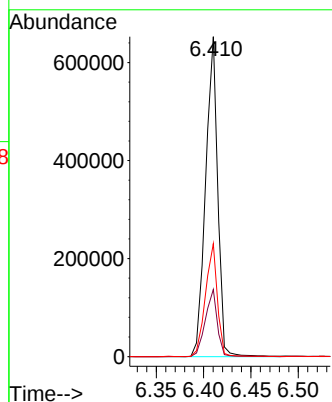
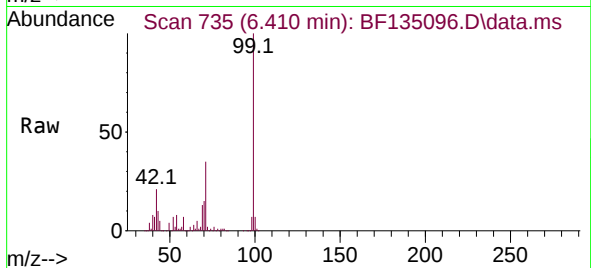
Instrument :

BNA_F

ClientSampleId :

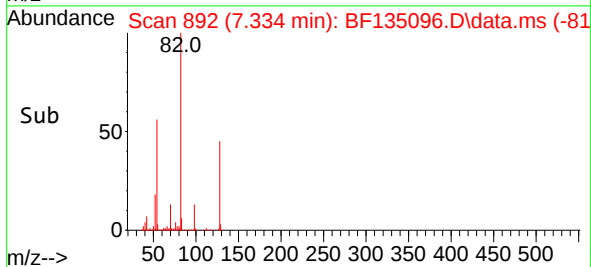
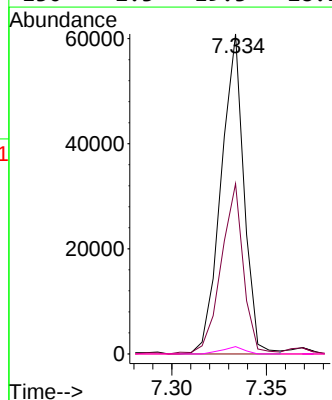
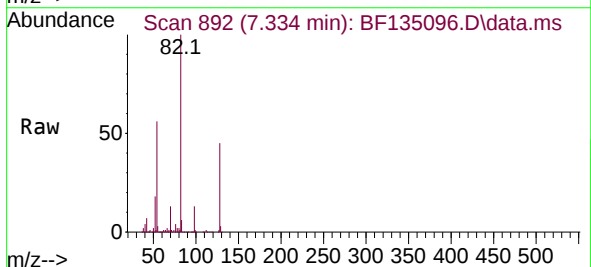
SS-TP-27(0-1)

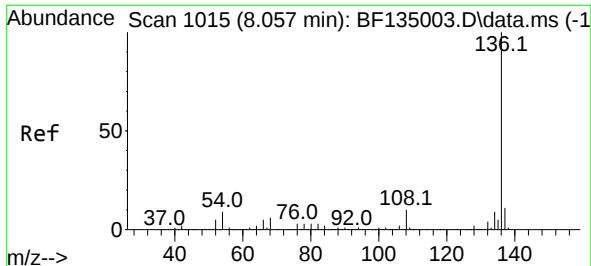
Tgt Ion: 99 Resp: 582936
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 35.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.630 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion: 70 Resp: 51142
Ion Ratio Lower Upper
70 100
42 53.2 50.2 75.4
101 0.0 8.1 12.1#
130 2.3 19.3 28.9#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

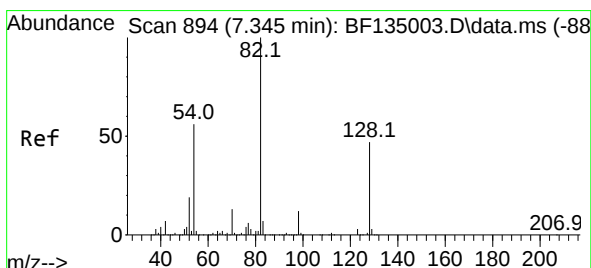
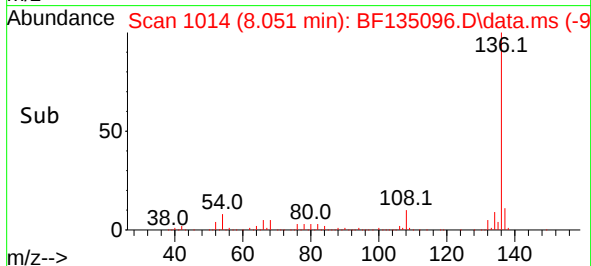
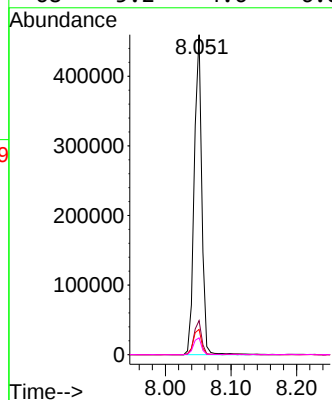
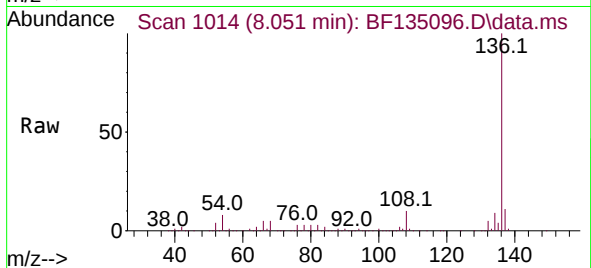
Instrument :

BNA_F

ClientSampleId :

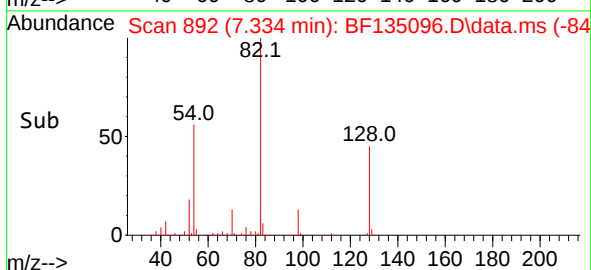
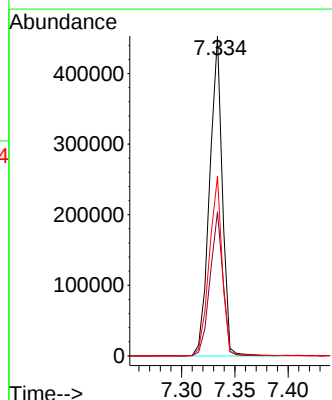
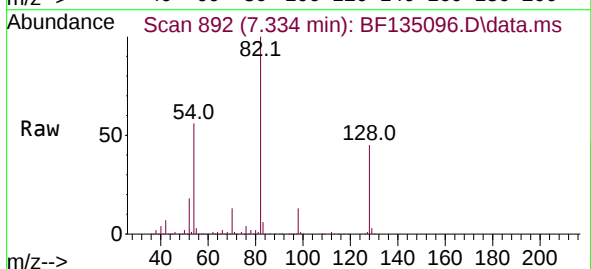
SS-TP-27(0-1)

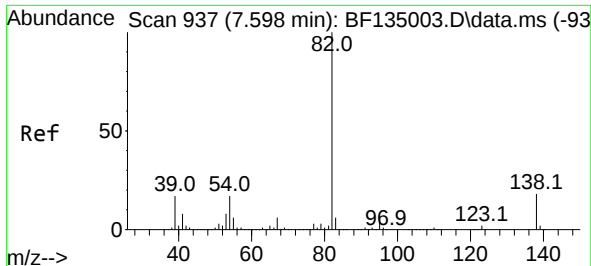
Tgt Ion:136 Resp: 367824
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.9 7.0 10.4
68 5.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 57.462 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion: 82 Resp: 376211
Ion Ratio Lower Upper
82 100
128 45.0 37.8 56.8
54 56.1 45.0 67.6

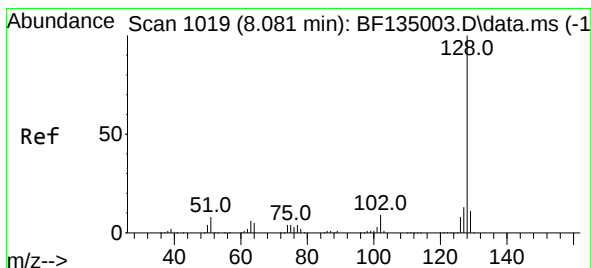
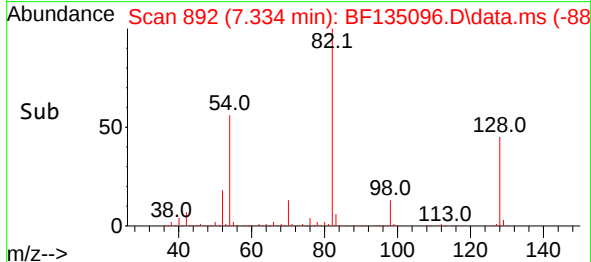
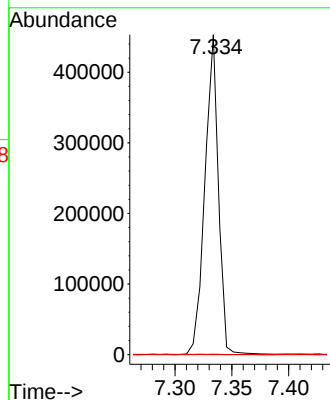
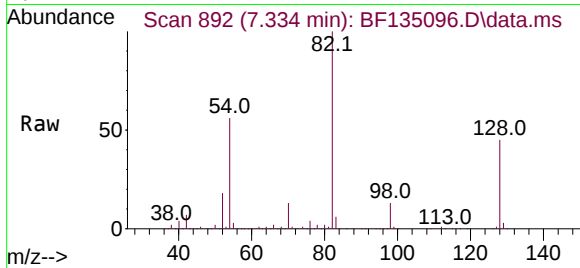




#25
Isophorone
Concen: 30.227 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

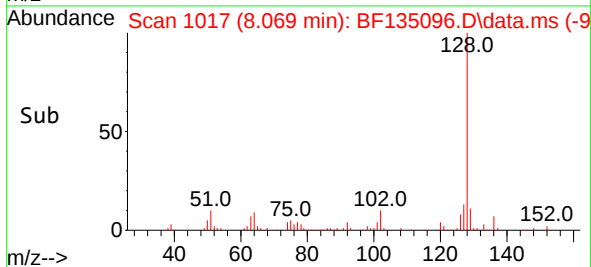
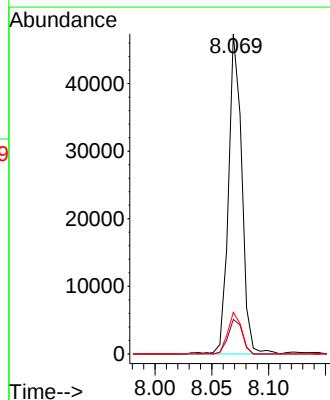
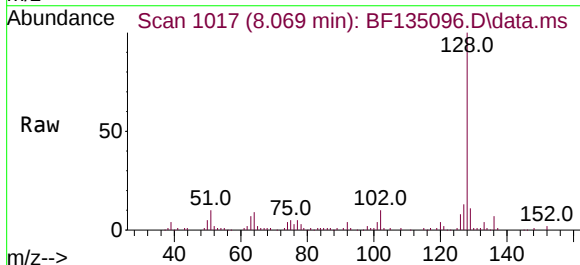
Instrument :
BNA_F
ClientSampleId :
SS-TP-27(0-1)

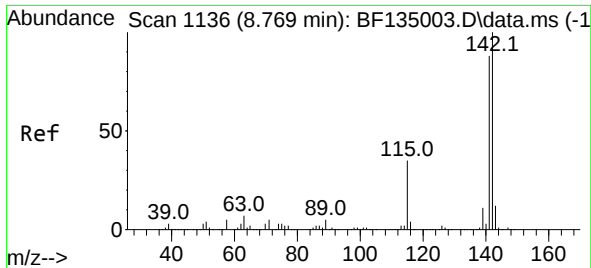
Tgt Ion: 82 Resp: 375214
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.7 22.1#



#31
Naphthalene
Concen: 2.140 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion: 128 Resp: 38445
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.0 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.289 ng

RT: 8.763 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

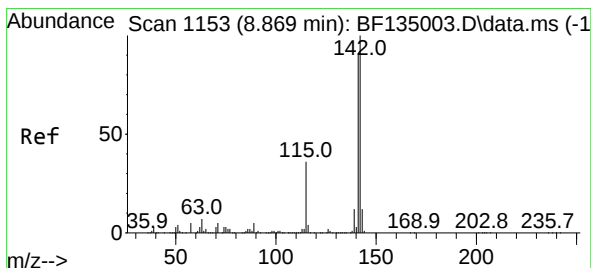
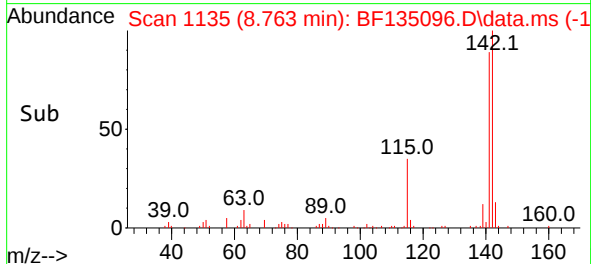
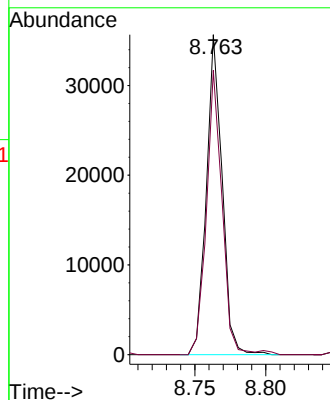
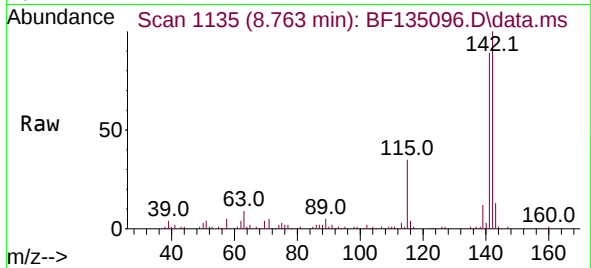
SS-TP-27(0-1)

Tgt Ion:142 Resp: 27447

Ion Ratio Lower Upper

142 100

141 88.8 70.7 106.1



#38

1-Methylnaphthalene

Concen: 2.146 ng

RT: 8.863 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF135096.D

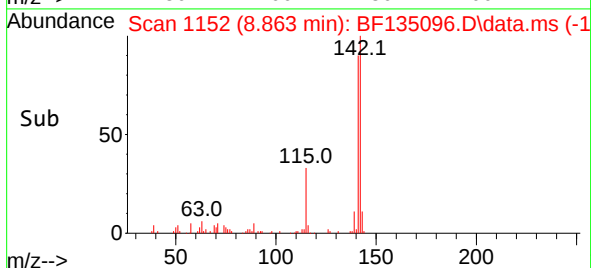
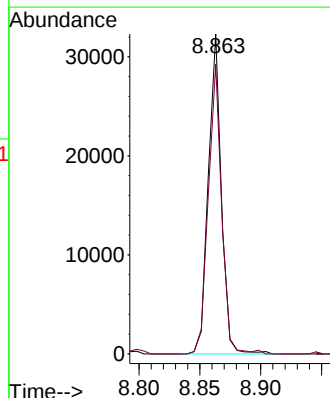
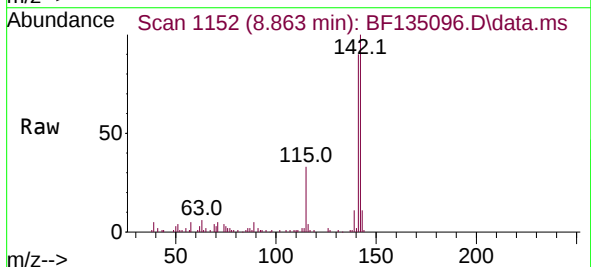
Acq: 05 Sep 2023 15:32

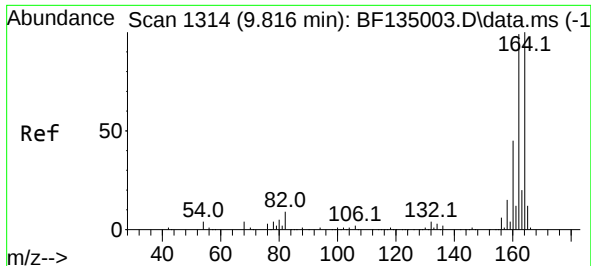
Tgt Ion:142 Resp: 24070

Ion Ratio Lower Upper

142 100

141 90.5 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

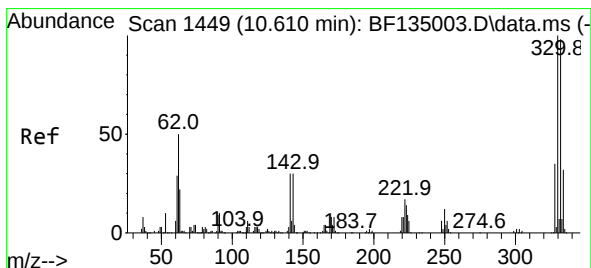
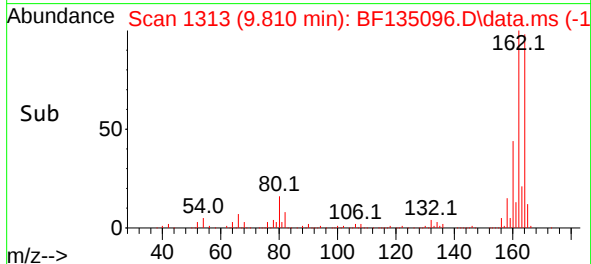
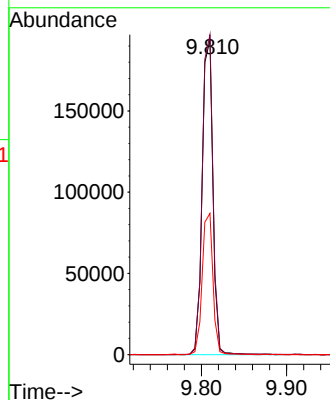
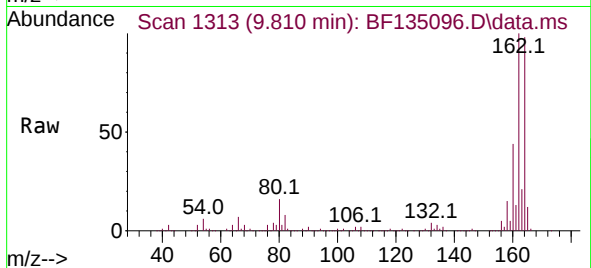
Tgt Ion:164 Resp: 167955

Ion Ratio Lower Upper

164 100

162 101.7 79.5 119.3

160 44.9 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 67.920 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

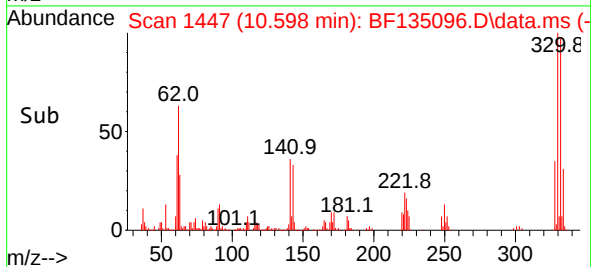
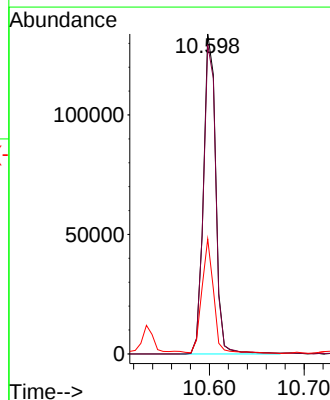
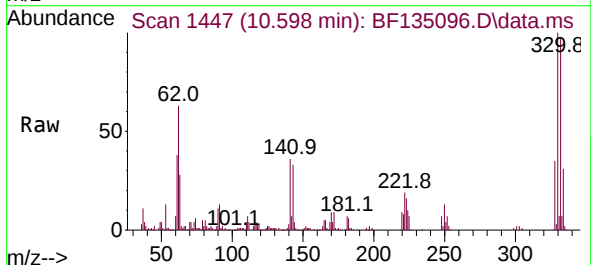
Tgt Ion:330 Resp: 121010

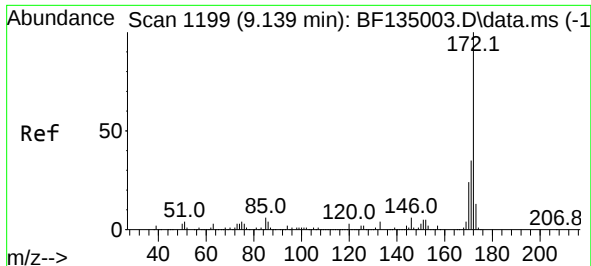
Ion Ratio Lower Upper

330 100

332 97.9 77.6 116.4

141 34.8 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 60.220 ng

RT: 9.128 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

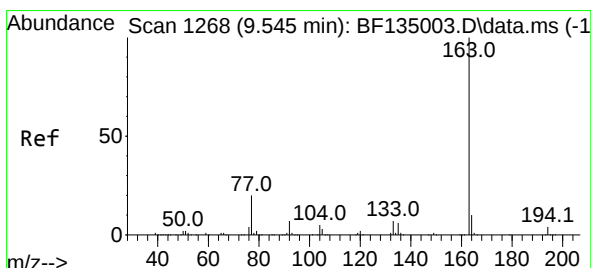
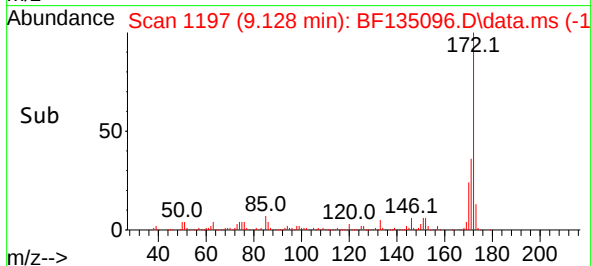
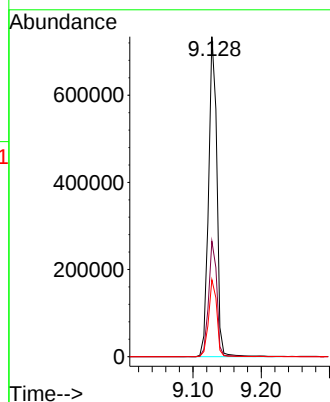
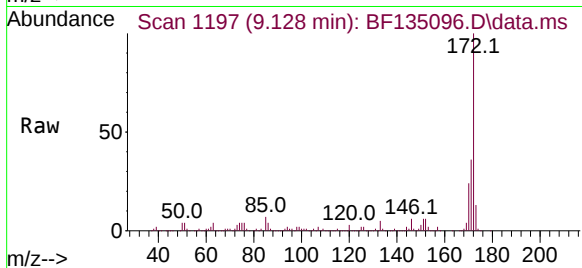
Tgt Ion:172 Resp: 621227

Ion Ratio Lower Upper

172 100

171 36.1 28.2 42.2

170 24.0 19.0 28.4



#50

Dimethylphthalate

Concen: 2.880 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.265 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

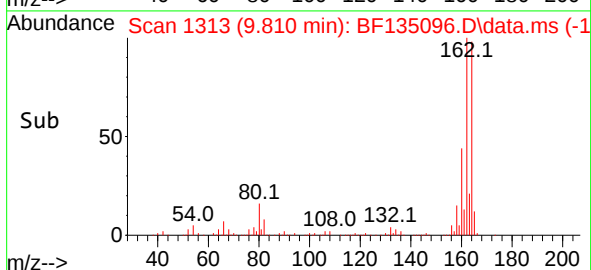
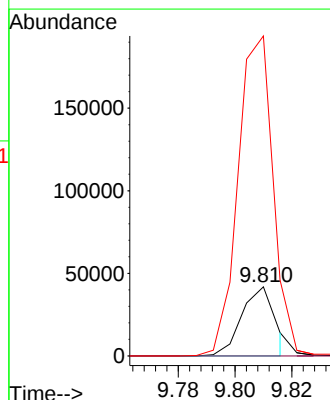
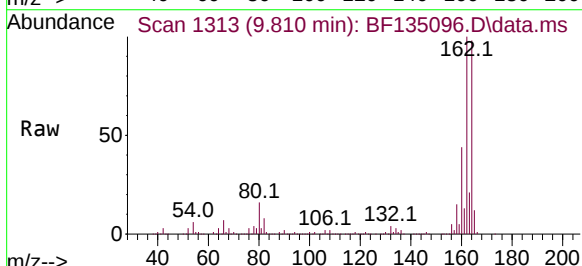
Tgt Ion:163 Resp: 33865

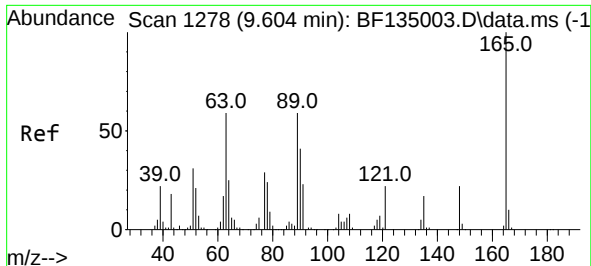
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

164 463.0 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.861 ng

RT: 9.804 min Scan# 1312

Delta R.T. 0.200 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

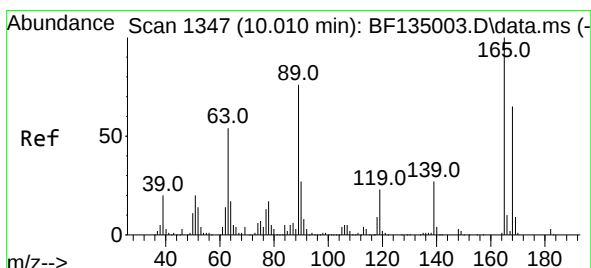
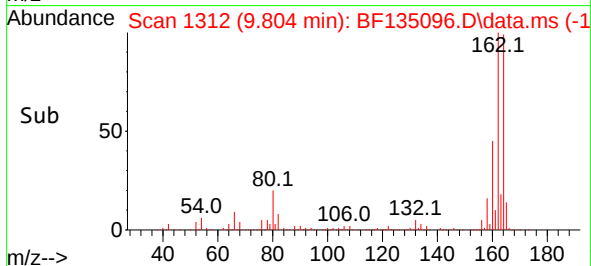
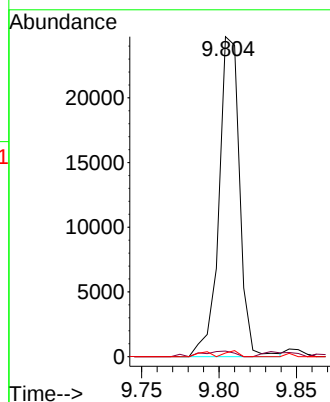
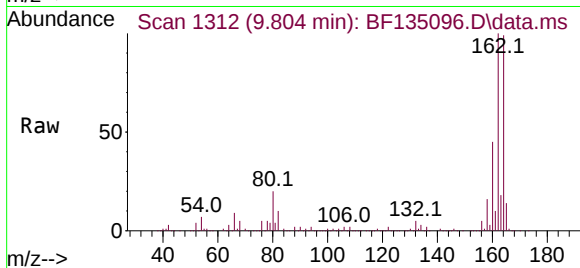
Tgt Ion:165 Resp: 22867

Ion Ratio Lower Upper

165 100

63 1.7 50.4 75.6#

89 1.1 47.1 70.7#



#57

2,4-Dinitrotoluene

Concen: 7.111 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.206 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Tgt Ion:165 Resp: 22867

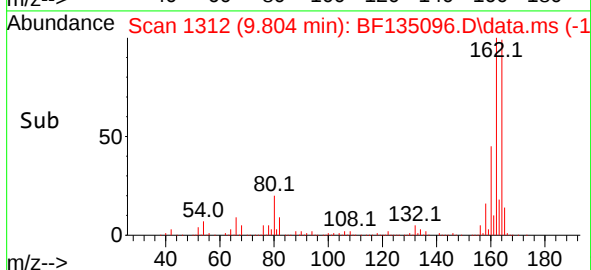
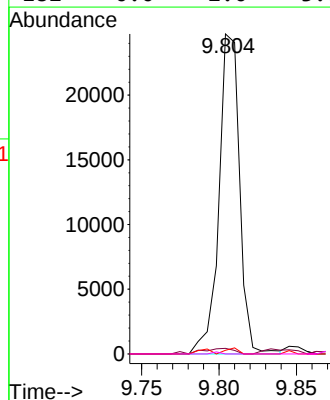
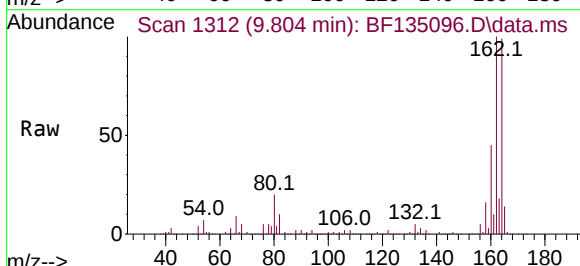
Ion Ratio Lower Upper

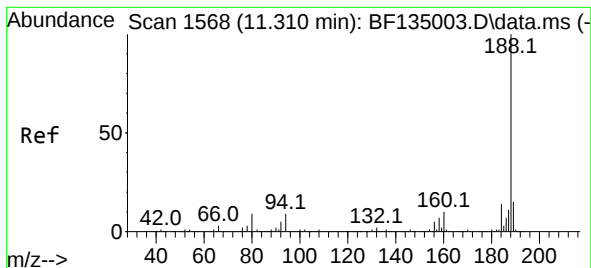
165 100

63 1.7 43.2 64.8#

89 1.1 60.8 91.2#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

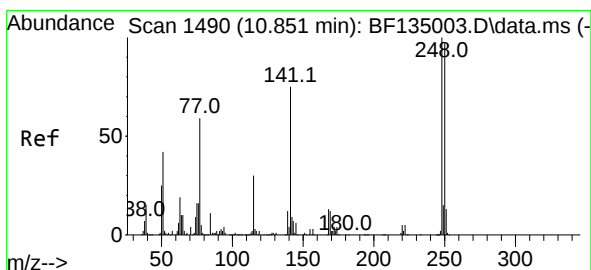
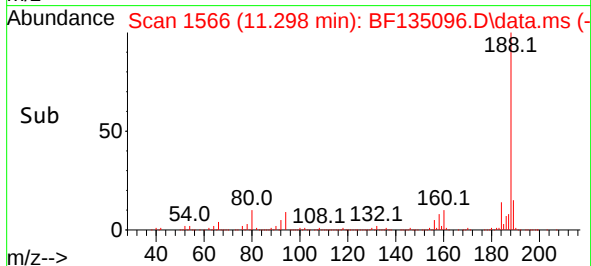
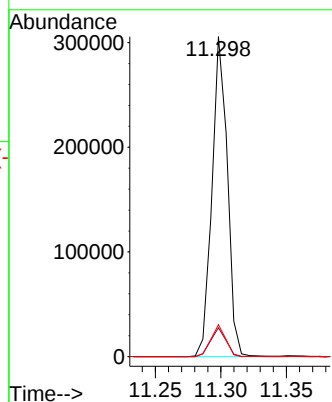
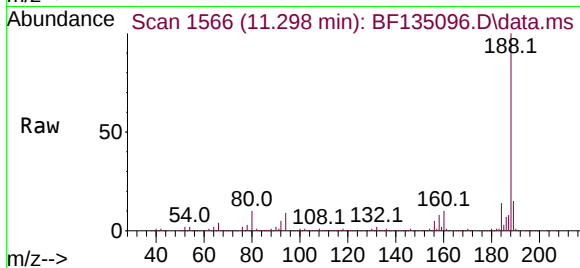
Tgt Ion:188 Resp: 249808

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

80 10.0 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 2.962 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

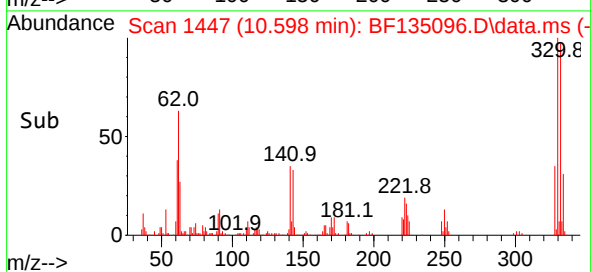
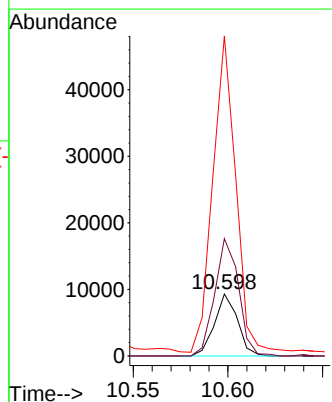
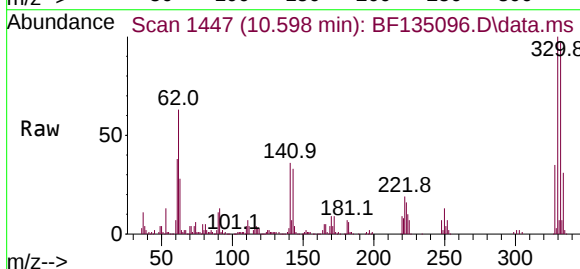
Tgt Ion:248 Resp: 7848

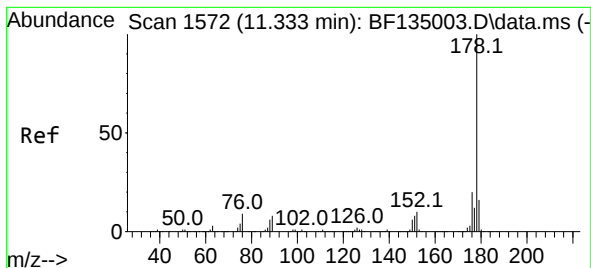
Ion Ratio Lower Upper

248 100

250 189.5 77.9 116.9#

141 517.1 59.8 89.8#





#71

Phenanthrene

Concen: 4.267 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

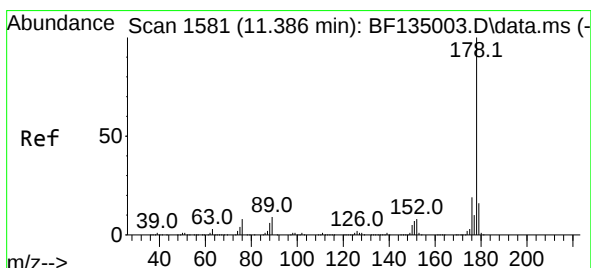
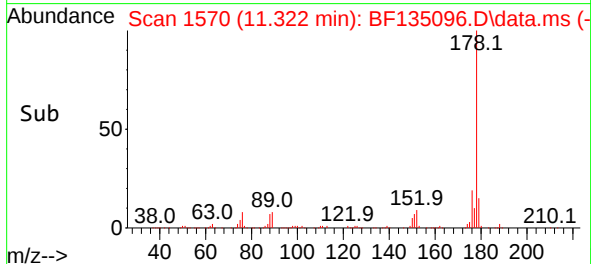
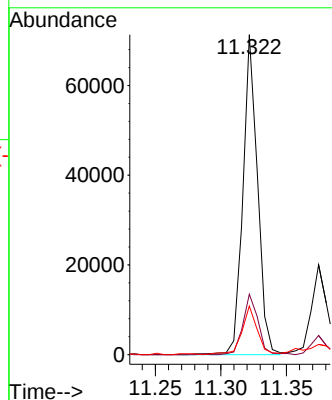
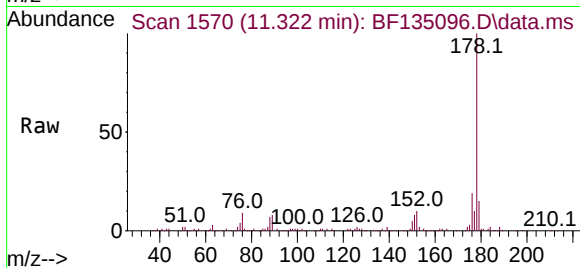
Tgt Ion:178 Resp: 54991

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

179 15.2 12.5 18.7



#72

Anthracene

Concen: 4.176 ng

RT: 11.322 min Scan# 1570

Delta R.T. -0.065 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

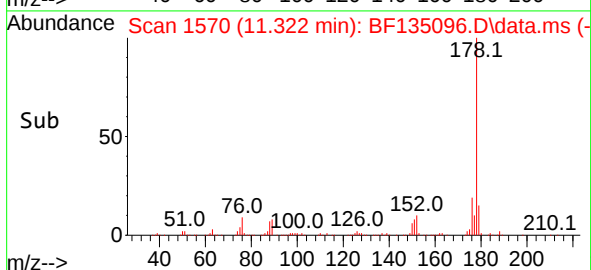
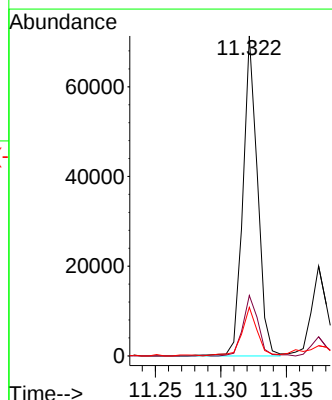
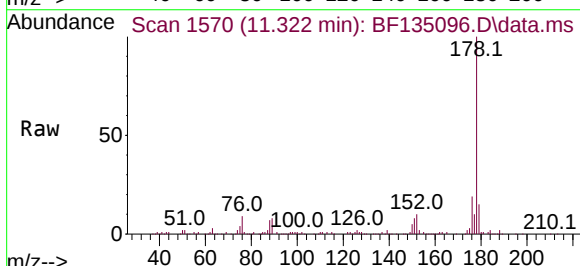
Tgt Ion:178 Resp: 54991

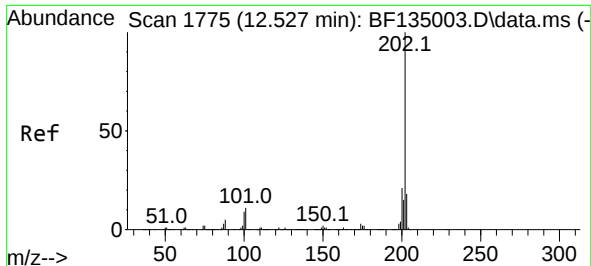
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.2 12.8 19.2

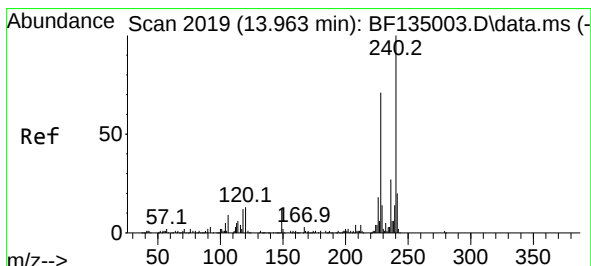
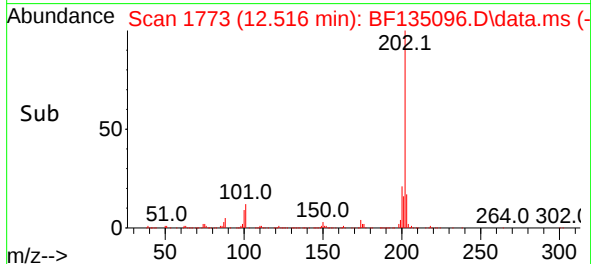
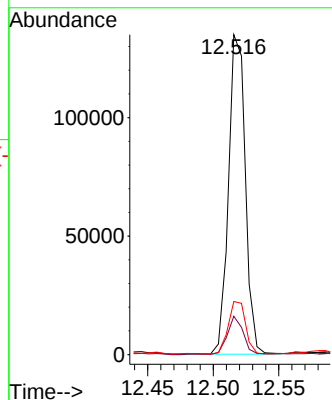
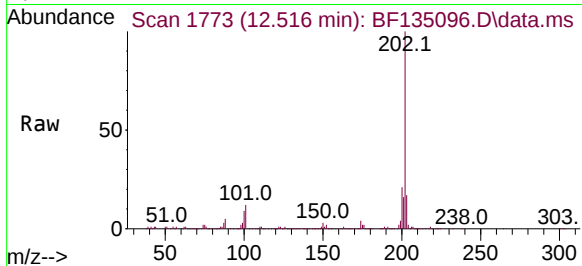




#75
Fluoranthene
Concen: 9.276 ng
RT: 12.516 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

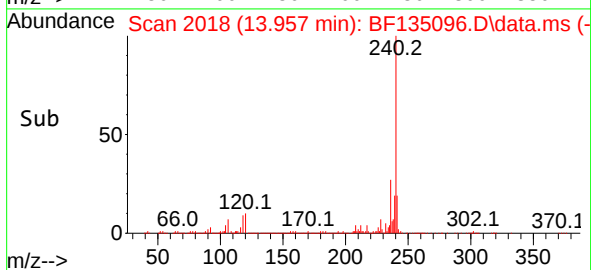
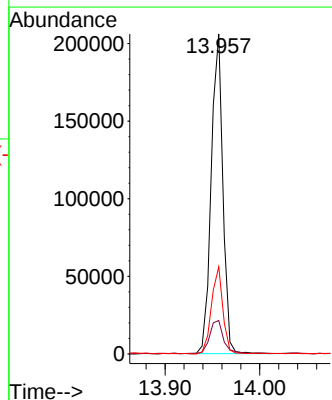
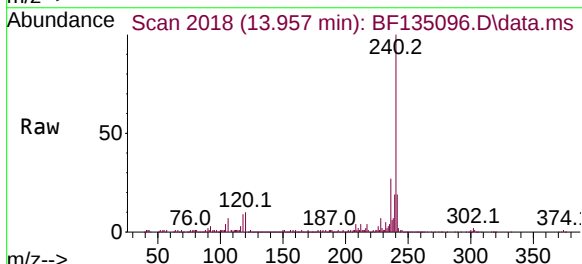
Instrument :
BNA_F
ClientSampleId :
SS-TP-27(0-1)

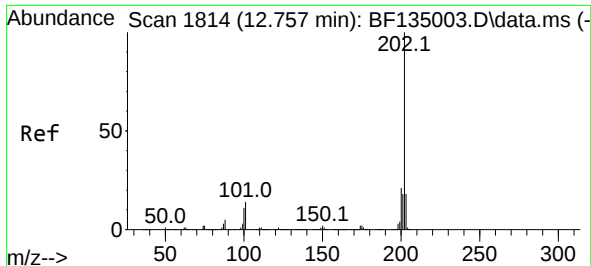
Tgt Ion:202 Resp: 120863
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.5
203 16.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion:240 Resp: 176583
Ion Ratio Lower Upper
240 100
120 10.4 10.2 15.2
236 27.2 21.3 31.9

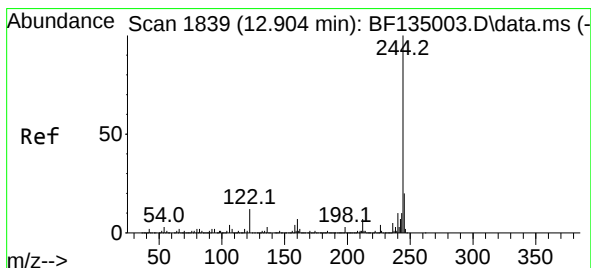
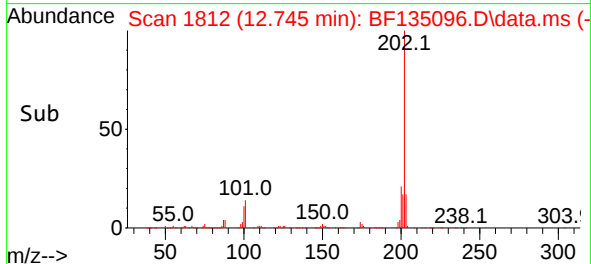
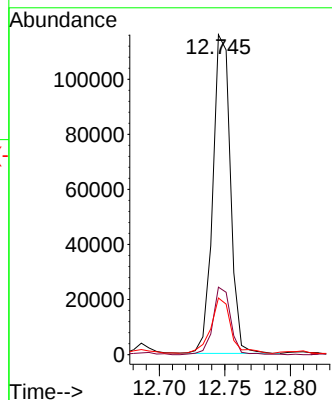
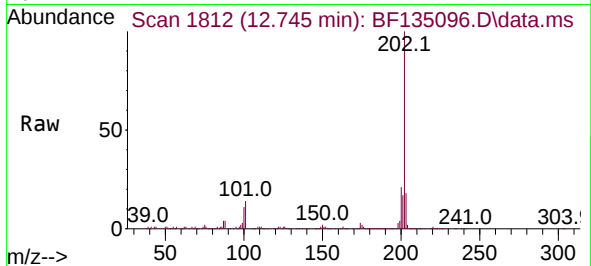




#78
 Pyrene
 Concen: 6.469 ng
 RT: 12.745 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF135096.D
 Acq: 05 Sep 2023 15:32

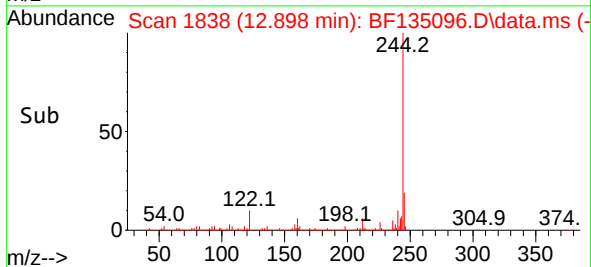
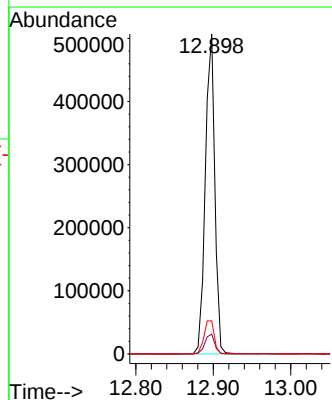
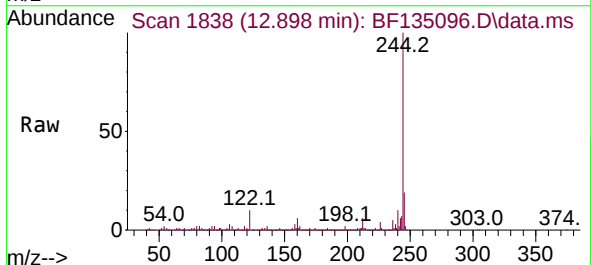
Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-27(0-1)

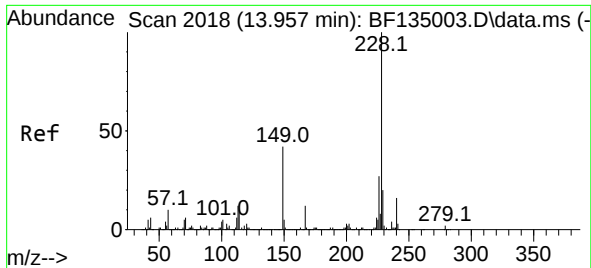
Tgt Ion:202 Resp: 108451
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.6
 203 17.7 14.2 21.2



#79
 Terphenyl-d14
 Concen: 39.710 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF135096.D
 Acq: 05 Sep 2023 15:32

Tgt Ion:244 Resp: 429685
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 10.3 9.8 14.6





#81

Benzo(a)anthracene

Concen: 5.956 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.024 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

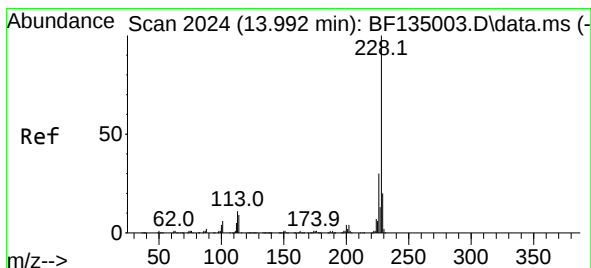
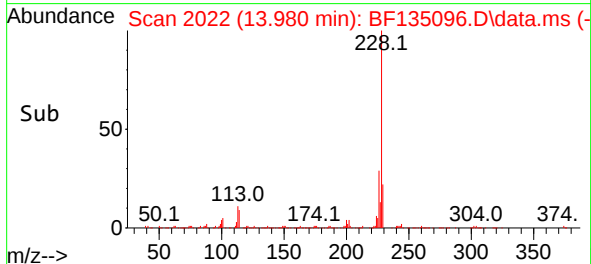
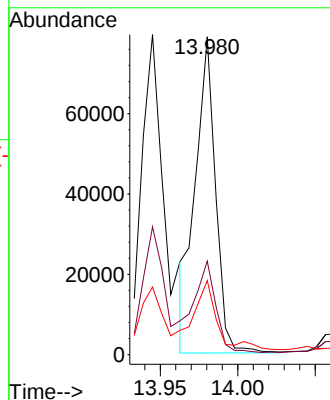
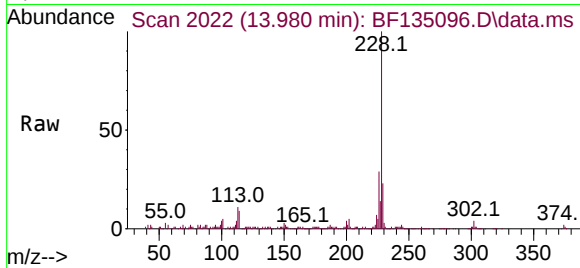
Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

Tgt Ion:228	Resp:	71747
Ion Ratio	Lower	Upper
228	100	
226	29.4	21.6 32.4
229	23.3	15.6 23.4



#83

Chrysene

Concen: 6.061 ng

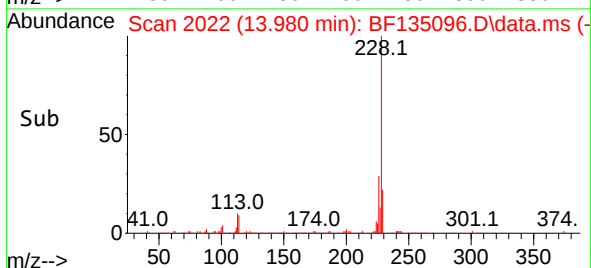
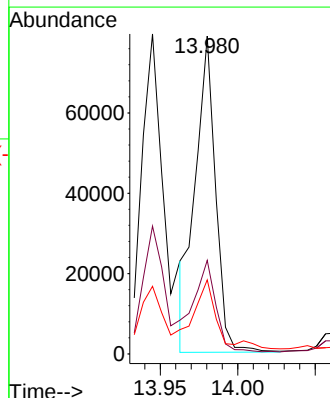
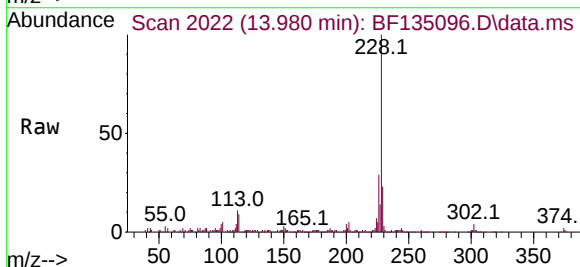
RT: 13.980 min Scan# 2022

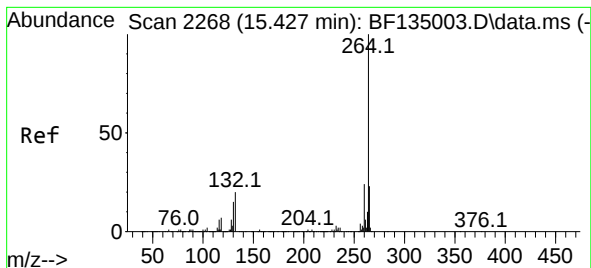
Delta R.T. -0.012 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Tgt Ion:228	Resp:	71747
Ion Ratio	Lower	Upper
228	100	
226	29.4	24.2 36.4
229	23.3	15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

Instrument :

BNA_F

ClientSampleId :

SS-TP-27(0-1)

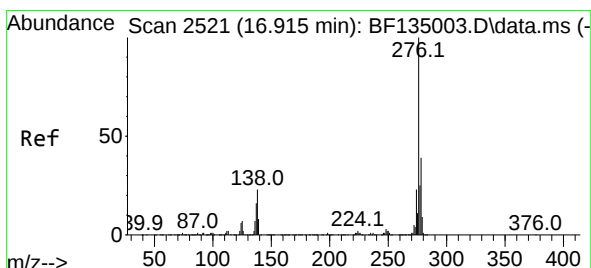
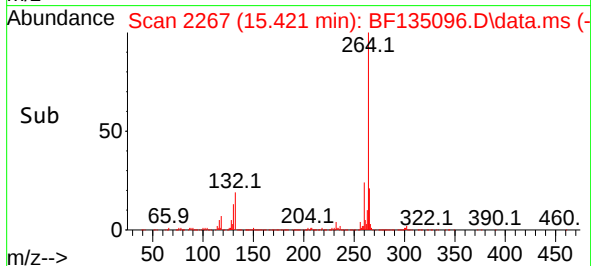
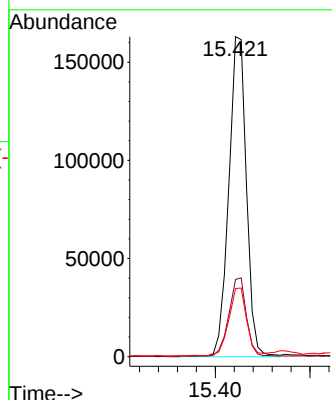
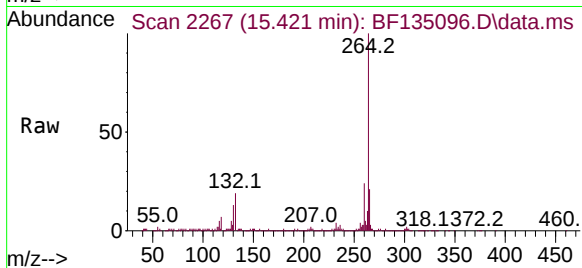
Tgt Ion:264 Resp: 210651

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 21.3 18.2 27.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.469 ng

RT: 16.898 min Scan# 2518

Delta R.T. -0.018 min

Lab File: BF135096.D

Acq: 05 Sep 2023 15:32

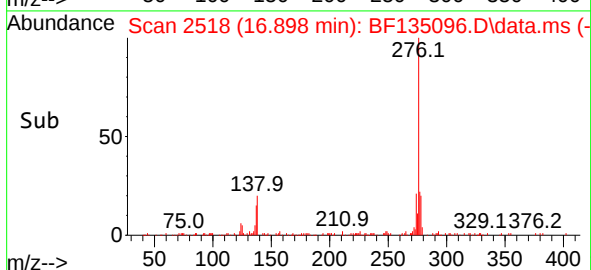
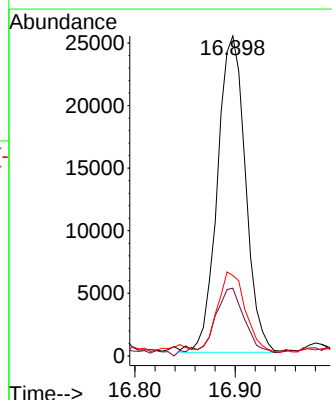
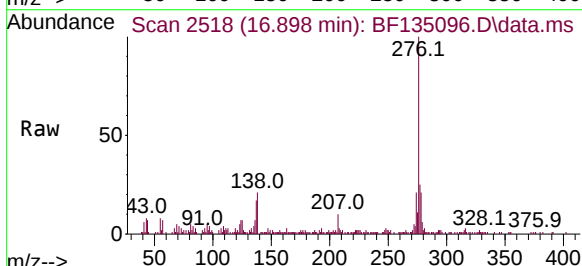
Tgt Ion:276 Resp: 49221

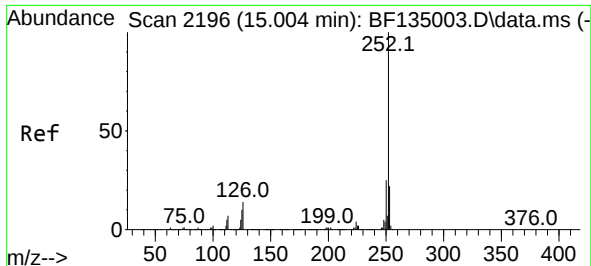
Ion Ratio Lower Upper

276 100

138 24.2 20.2 30.2

277 25.1 20.4 30.6

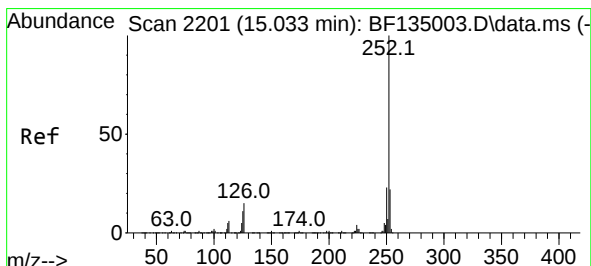
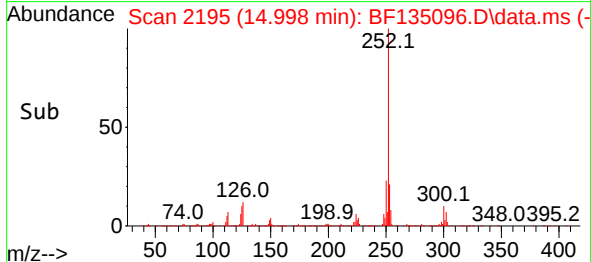
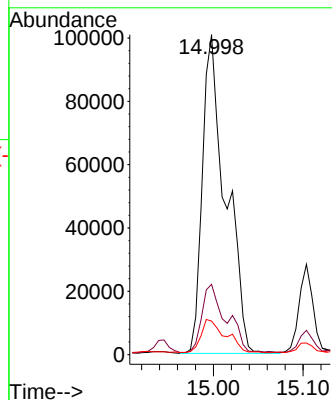
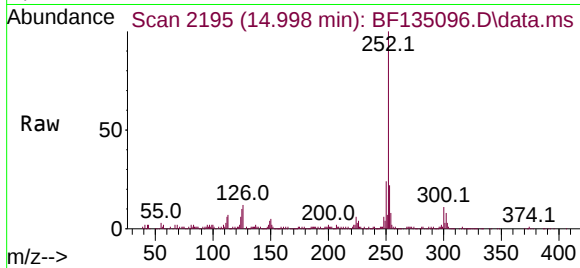




#88
Benzo(b)fluoranthene
Concen: 13.901 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

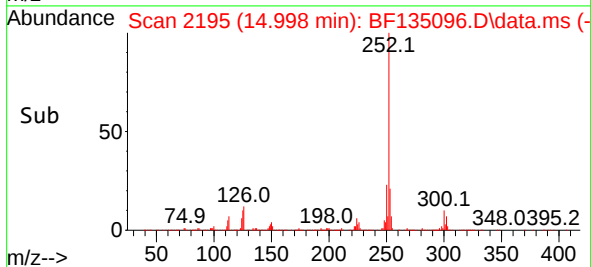
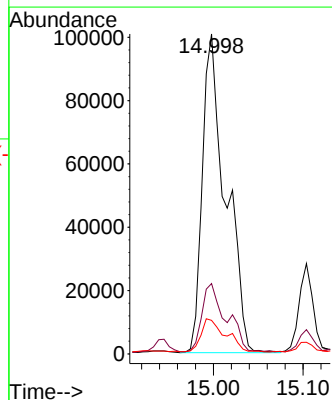
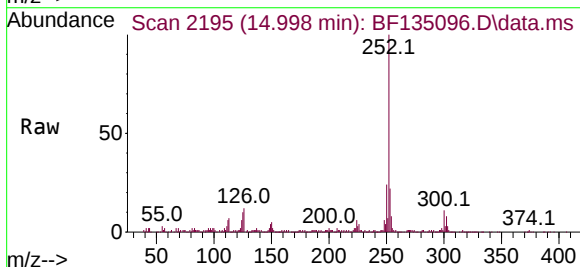
Instrument :
BNA_F
ClientSampleId :
SS-TP-27(0-1)

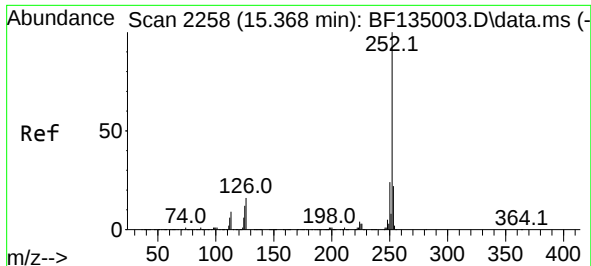
Tgt Ion:252 Resp: 182195
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 10.5 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 14.388 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion:252 Resp: 182195
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.5 8.5 12.7

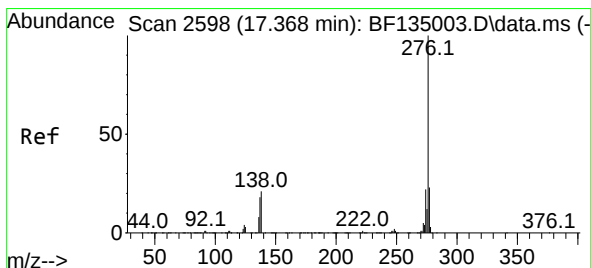
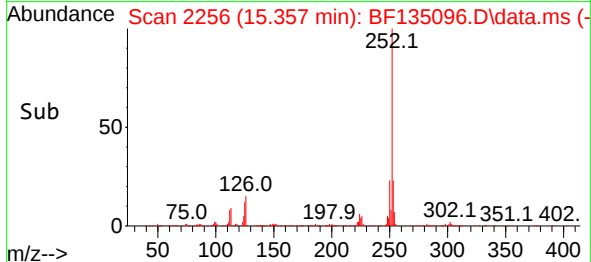
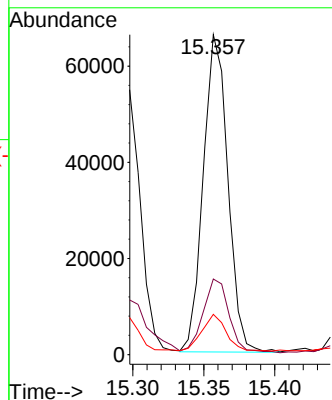
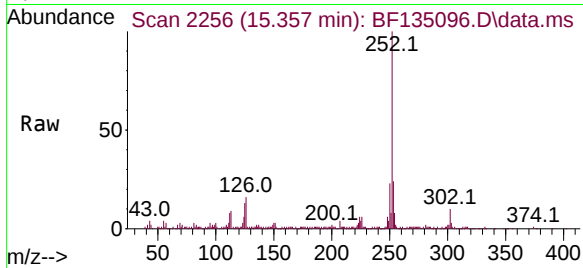




#90
Benzo(a)pyrene
Concen: 6.529 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Instrument :
BNA_F
ClientSampleId :
SS-TP-27(0-1)

Tgt Ion:252 Resp: 79494
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 12.6 9.5 14.3



#92
Benzo(g,h,i)perylene
Concen: 3.328 ng
RT: 17.345 min Scan# 2594
Delta R.T. -0.023 min
Lab File: BF135096.D
Acq: 05 Sep 2023 15:32

Tgt Ion:276 Resp: 39778
Ion Ratio Lower Upper
276 100
277 24.9 18.5 27.7
138 21.4 17.1 25.7

