

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
 Data File : BF135070.D
 Acq On : 01 Sep 2023 11:58
 Operator : CG\JU
 Sample : 04219-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11939

Quant Time: Sep 01 12:34:16 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)

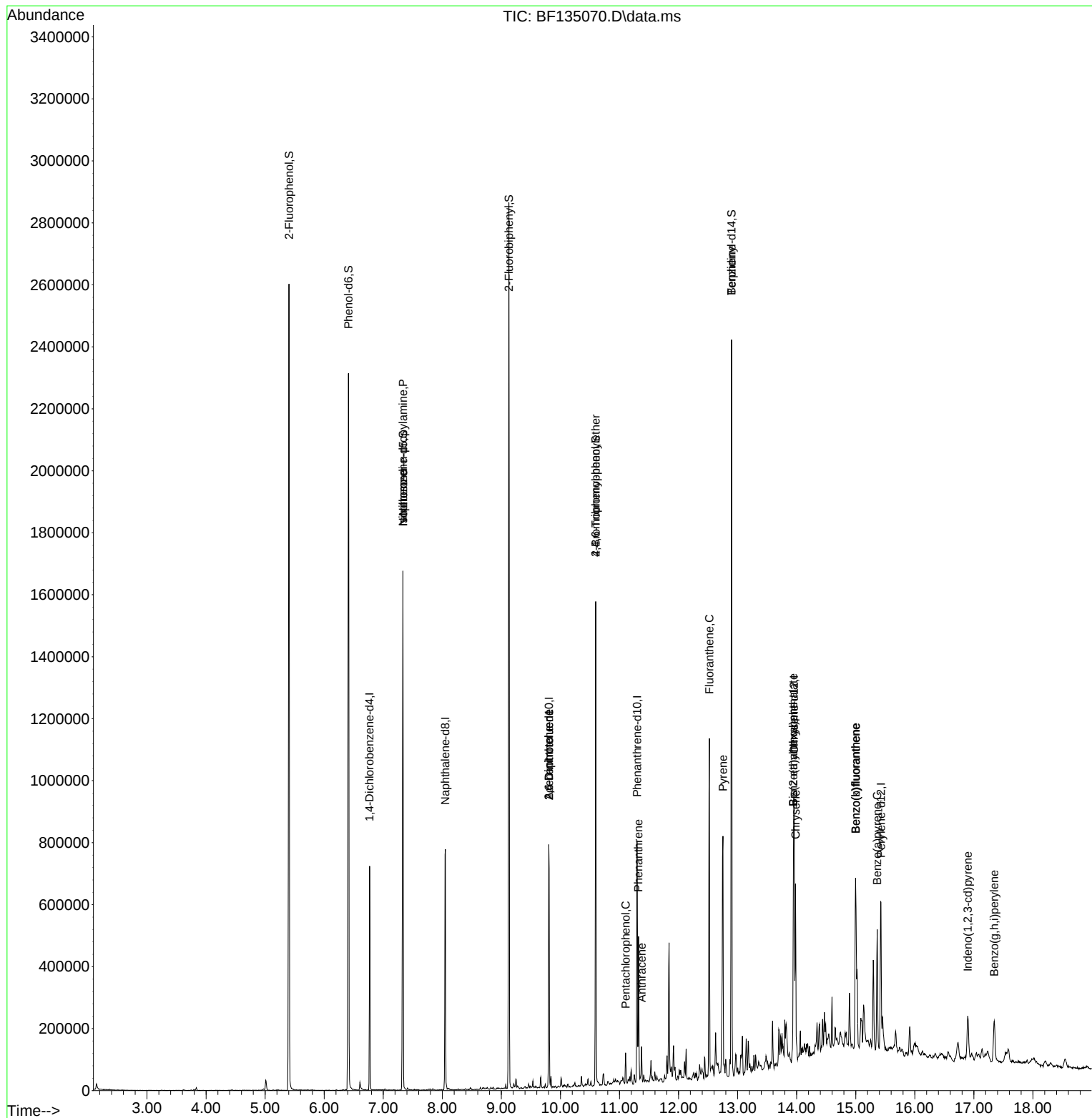
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	93276	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	364311	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	161002	20.000	ng	-0.01
64) Phenanthrene-d10	11.298	188	261539	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	219942	20.000	ng	0.00
86) Perylene-d12	15.427	264	228801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	689134	114.118	ng	0.00
7) Phenol-d6	6.410	99	831450	110.463	ng	0.00
23) Nitrobenzene-d5	7.334	82	522967	80.647	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	166602	97.548	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	840400	84.984	ng	-0.01
79) Terphenyl-d14	12.898	244	767667	56.958	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	70280	15.719	ng	# 77
25) Isophorone	7.334	82	522961	42.535	ng	# 65
51) 2,6-Dinitrotoluene	9.804	165	21108	8.533	ng	# 22
57) 2,4-Dinitrotoluene	9.804	165	21108	6.847	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	10863	3.916	ng	# 1
70) Pentachlorophenol	11.104	266	6730	3.878	ng	97
71) Phenanthrene	11.322	178	159368	11.811	ng	98
72) Anthracene	11.375	178	41513	3.011	ng	98
75) Fluoranthene	12.522	202	430471	31.555	ng	98
77) Benzidine	12.898	184	9653	2.435	ng	# 88
78) Pyrene	12.751	202	334756	16.030	ng	99
81) Benzo(a)anthracene	13.945	228	171405	11.425	ng	94
83) Chrysene	13.980	228	209108	14.182	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	29209	3.741	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	98142	6.368	ng	# 92
88) Benzo(b)fluoranthene	14.998	252	395469	27.779	ng	99
89) Benzo(k)fluoranthene	14.998	252	395469	28.754	ng	98
90) Benzo(a)pyrene	15.363	252	172762	13.063	ng	98
92) Benzo(g,h,i)perylene	17.345	276	106986	8.241	ng	98

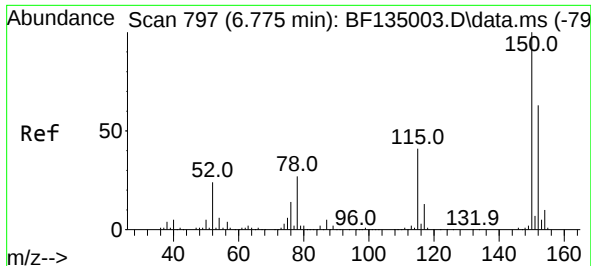
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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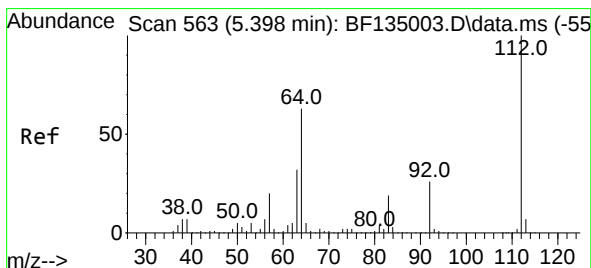
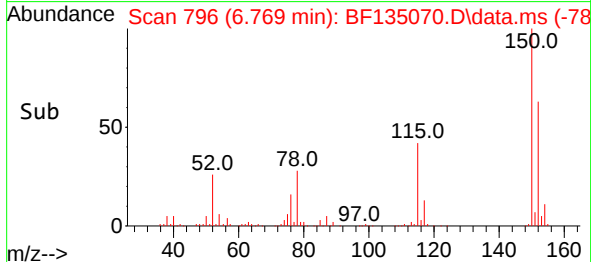
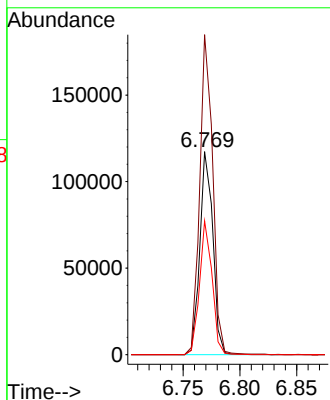
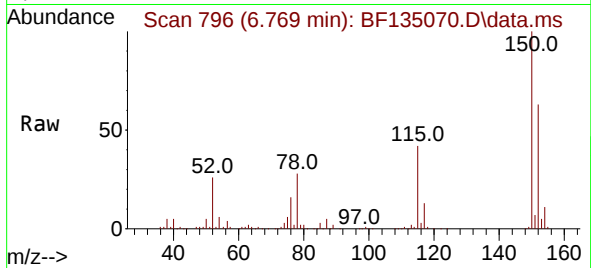




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.769 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF135070.D
 Acq: 01 Sep 2023 11:58

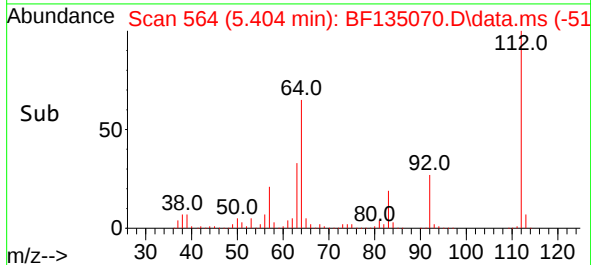
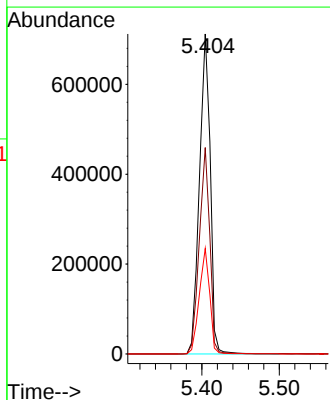
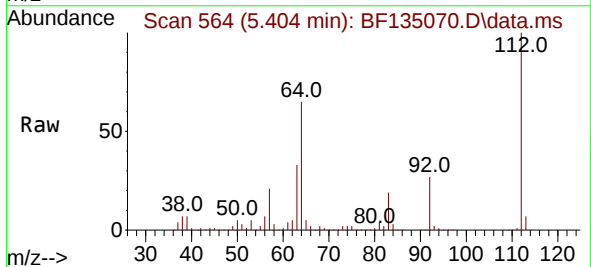
Instrument :
 BNA_F
 ClientSampleId :
 72-11939

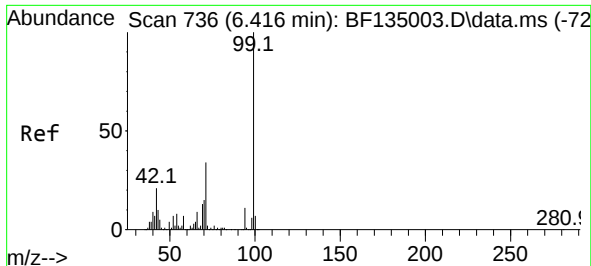
Tgt Ion:152 Resp: 93276
 Ion Ratio Lower Upper
 152 100
 150 157.6 126.2 189.4
 115 65.9 51.2 76.8



#5
 2-Fluorophenol
 Concen: 114.118 ng
 RT: 5.404 min Scan# 564
 Delta R.T. 0.006 min
 Lab File: BF135070.D
 Acq: 01 Sep 2023 11:58

Tgt Ion:112 Resp: 689134
 Ion Ratio Lower Upper
 112 100
 64 64.5 50.5 75.7
 63 33.0 25.9 38.9





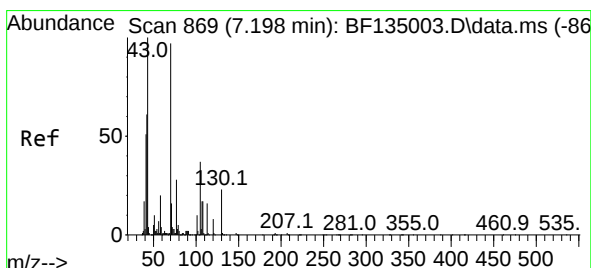
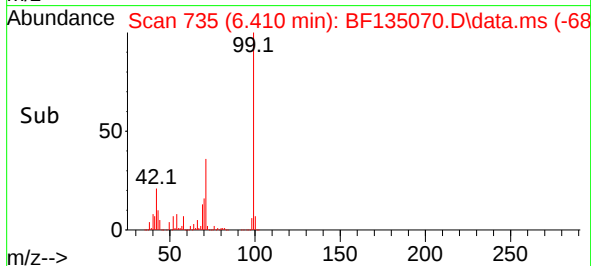
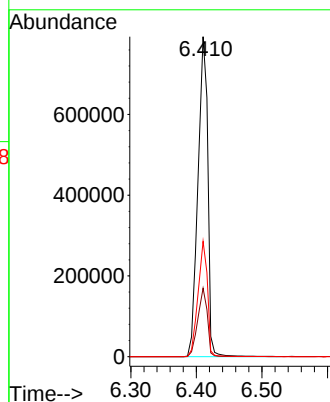
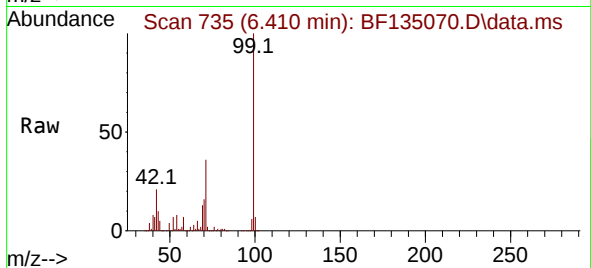
#7
Phenol-d6
Concen: 110.463 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

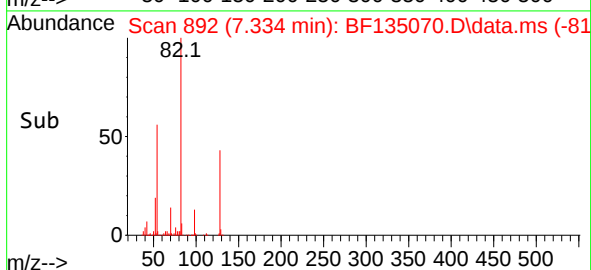
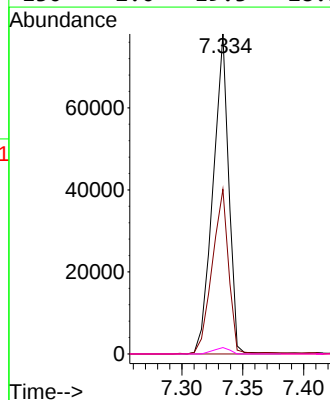
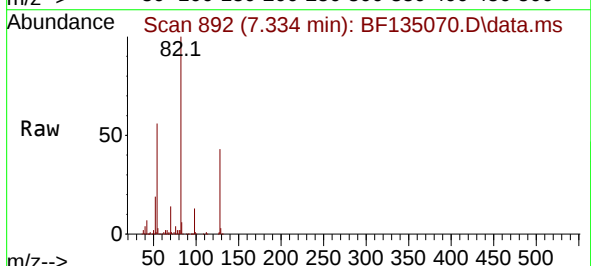
ClientSampleId :
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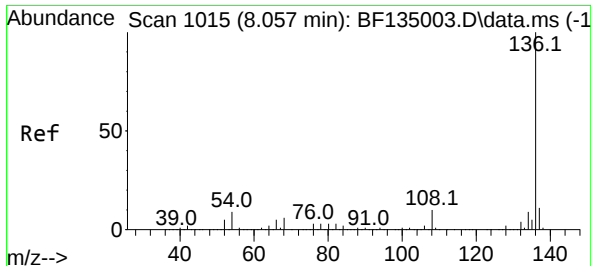
Tgt Ion: 99 Resp: 831450
Ion Ratio Lower Upper
99 100
42 21.4 16.6 25.0
71 36.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.719 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Tgt Ion: 70 Resp: 70280
Ion Ratio Lower Upper
70 100
42 51.5 50.2 75.4
101 0.0 8.1 12.1#
130 2.0 19.3 28.9#

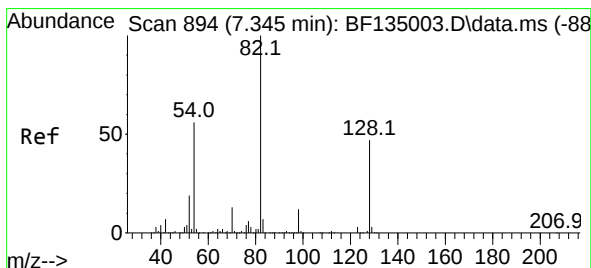
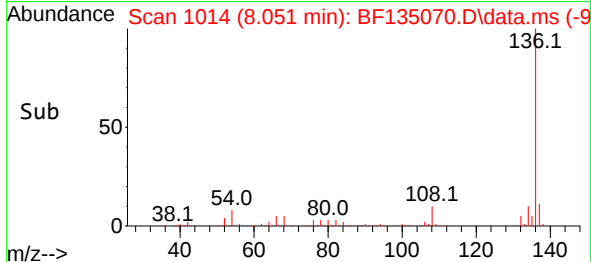
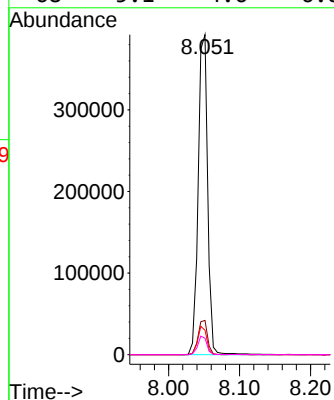
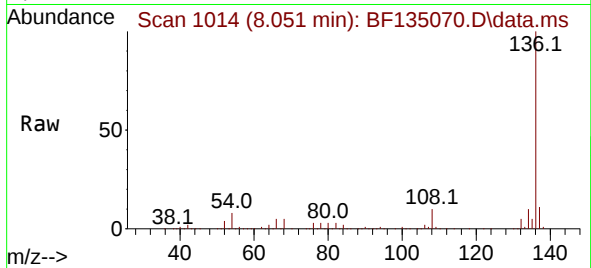




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

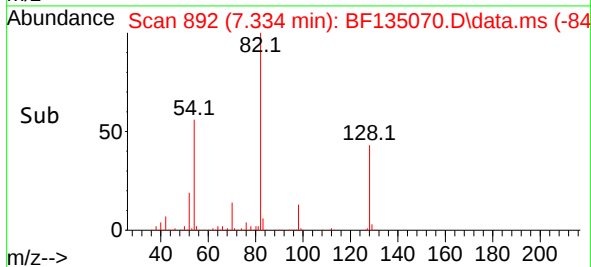
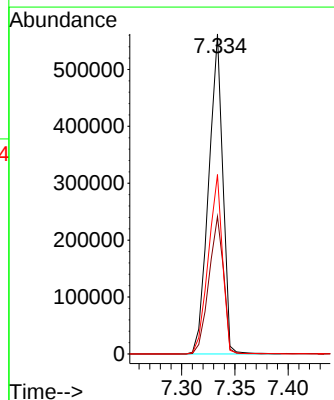
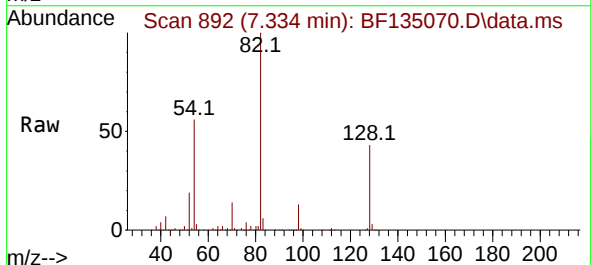
Instrument :
BNA_F
ClientSampleId :
72-11939

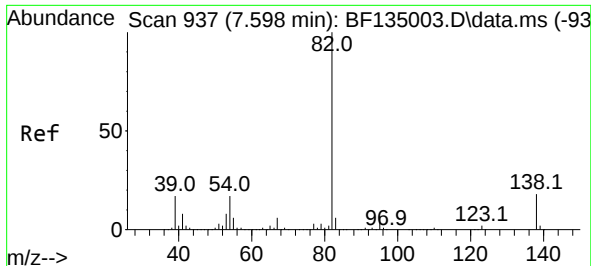
Tgt Ion:136 Resp: 364311
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 7.0 10.4
68 5.1 4.6 6.8



#23
Nitrobenzene-d5
Concen: 80.647 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Tgt Ion: 82 Resp: 522967
Ion Ratio Lower Upper
82 100
128 42.9 37.8 56.8
54 56.1 45.0 67.6

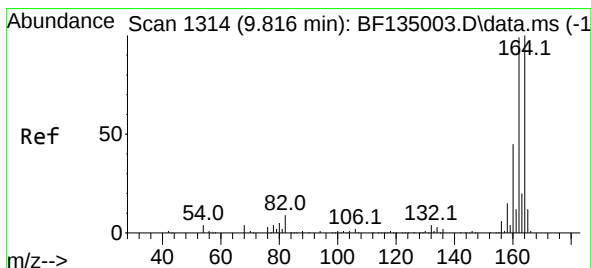
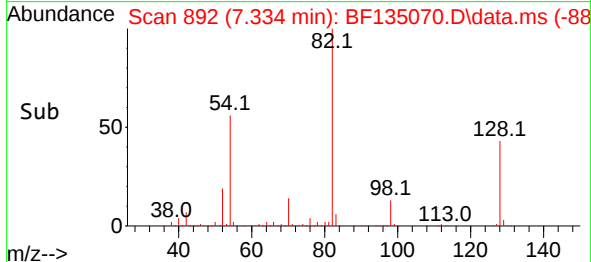
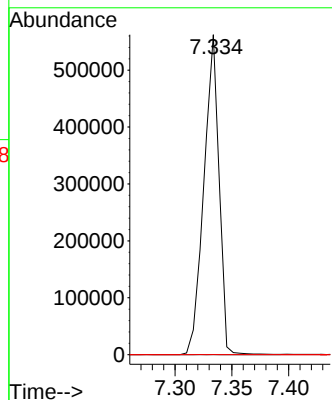
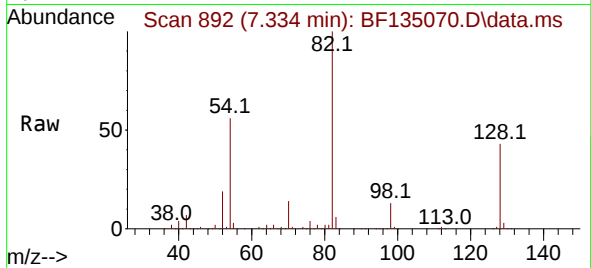




#25
Isophorone
Concen: 42.535 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

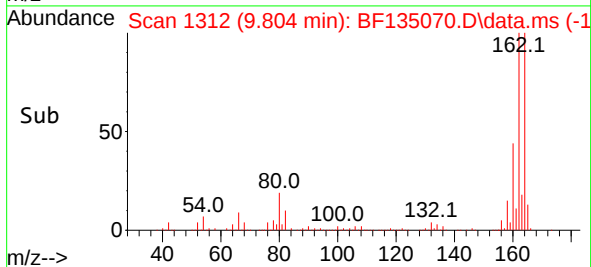
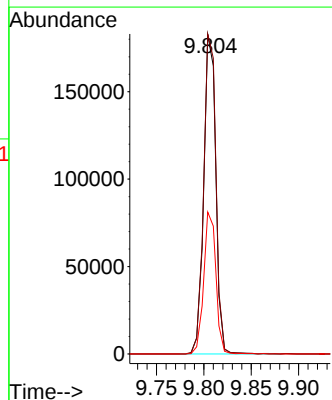
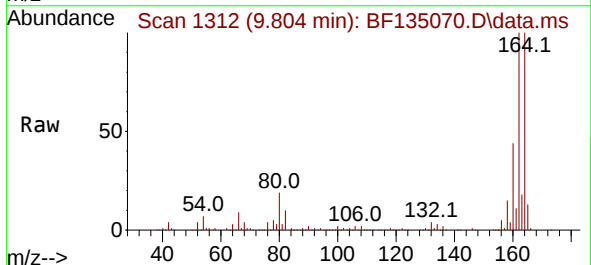
Instrument :
BNA_F
ClientSampleId :
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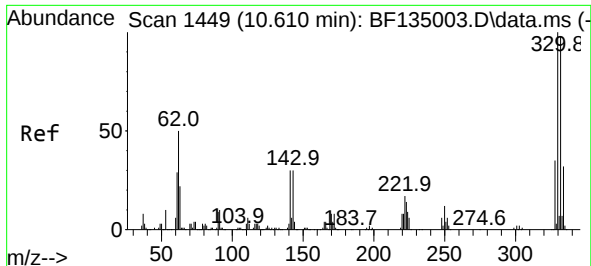
Tgt Ion: 82 Resp: 522961
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Tgt Ion: 164 Resp: 161002
Ion Ratio Lower Upper
164 100
162 100.3 79.5 119.3
160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 97.548 ng

RT: 10.598 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

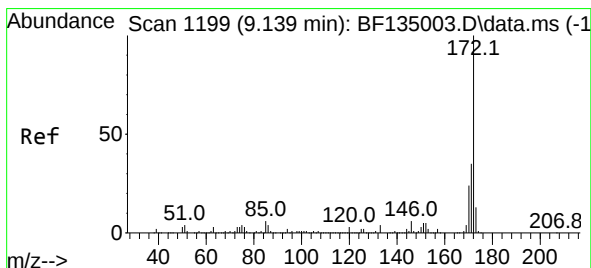
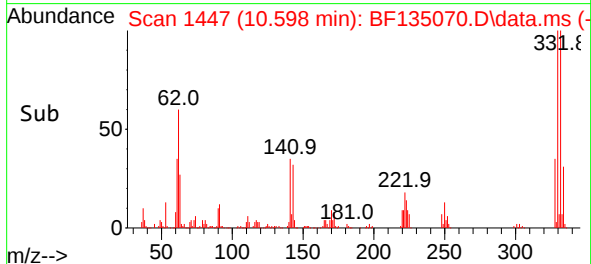
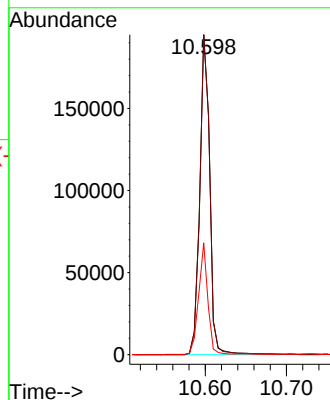
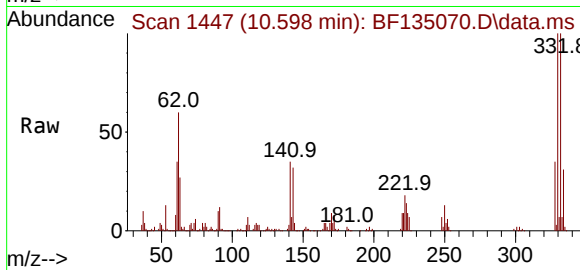
Tgt Ion:330 Resp: 166602

Ion Ratio Lower Upper

330 100

332 99.3 77.6 116.4

141 32.6 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 84.984 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

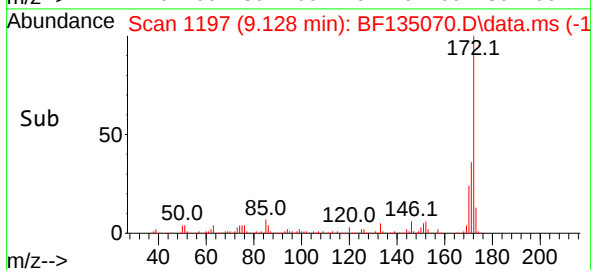
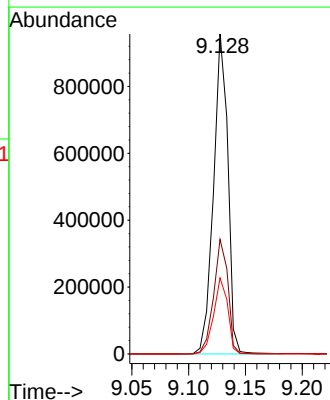
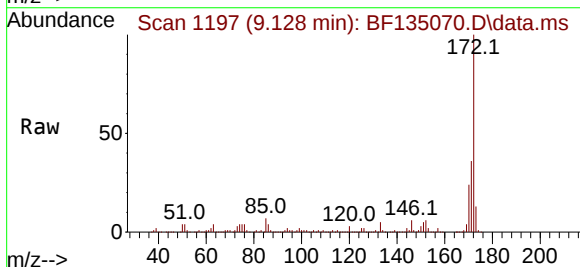
Tgt Ion:172 Resp: 840400

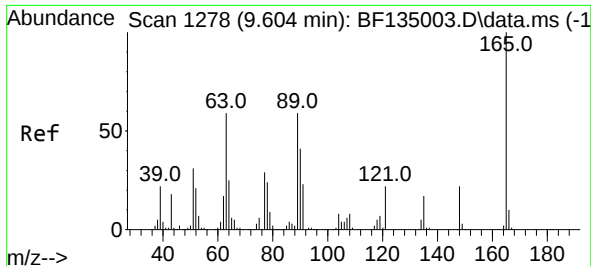
Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.2

170 23.7 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.533 ng

RT: 9.804 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

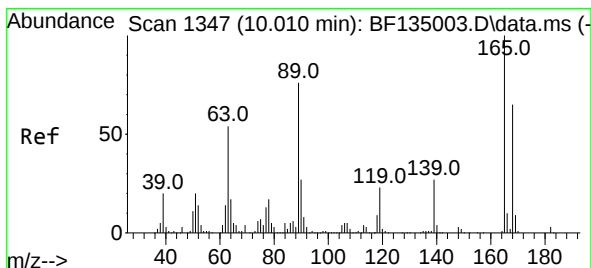
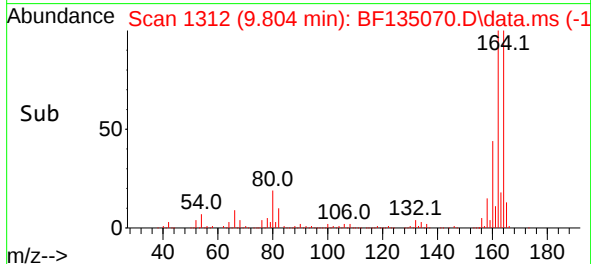
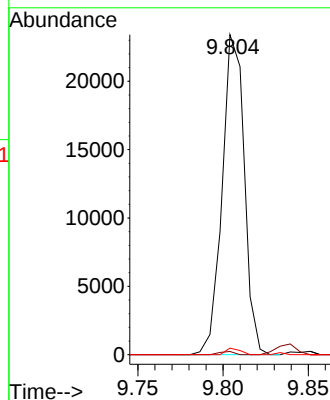
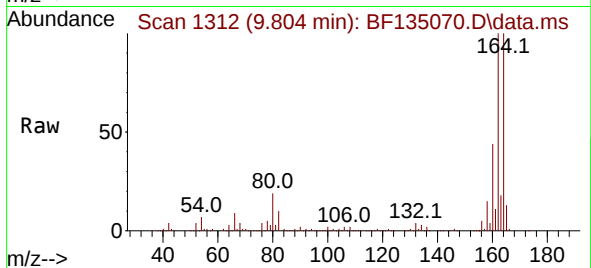
Tgt Ion:165 Resp: 21108

Ion Ratio Lower Upper

165 100

63 1.0 50.4 75.6#

89 2.0 47.1 70.7#



#57

2,4-Dinitrotoluene

Concen: 6.847 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.206 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Tgt Ion:165 Resp: 21108

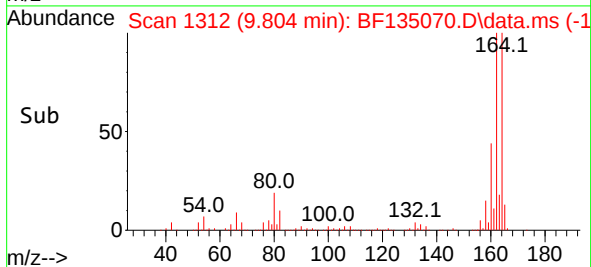
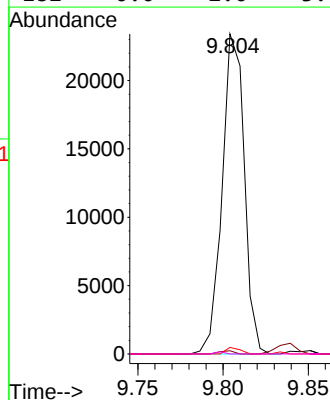
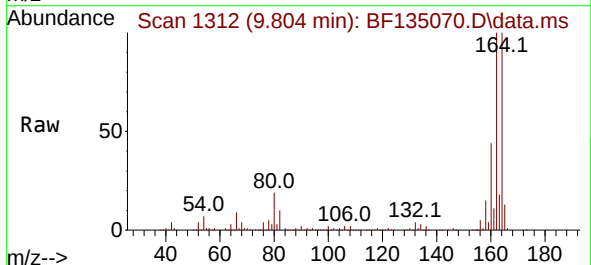
Ion Ratio Lower Upper

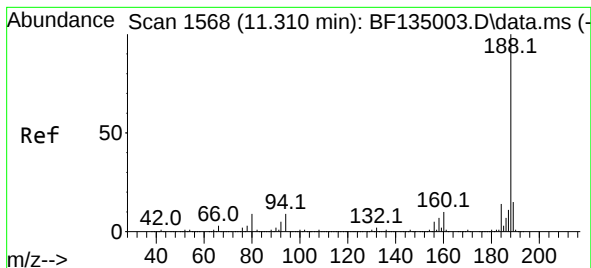
165 100

63 1.0 43.2 64.8#

89 2.0 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: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

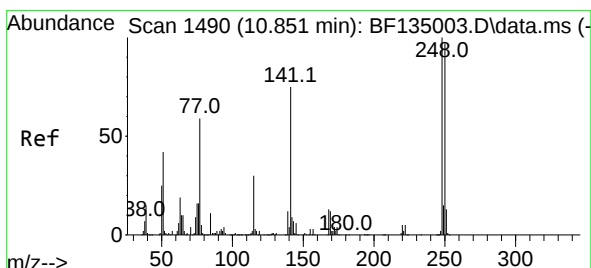
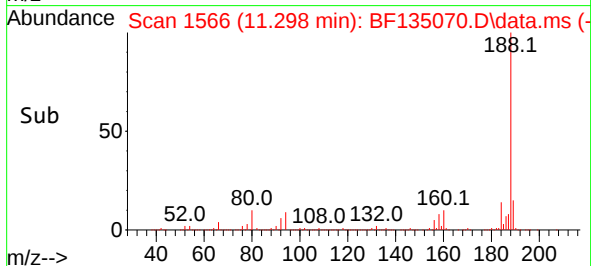
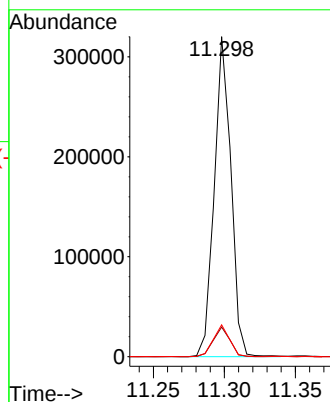
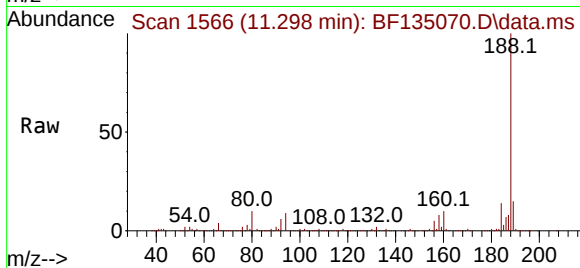
Tgt Ion:188 Resp: 261539

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.4

80 10.0 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 3.916 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

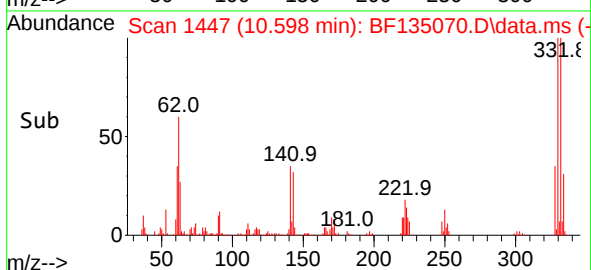
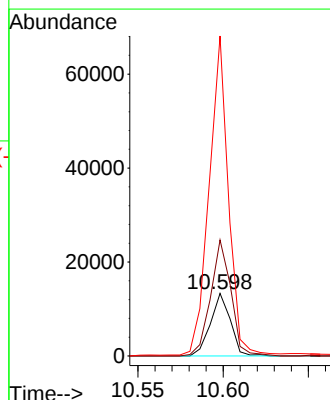
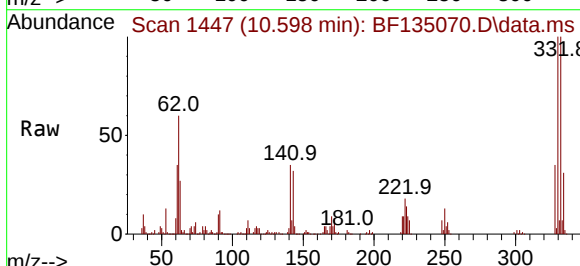
Tgt Ion:248 Resp: 10863

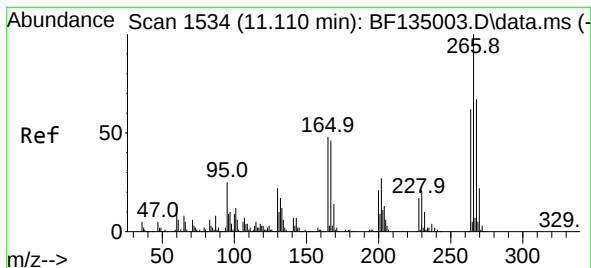
Ion Ratio Lower Upper

248 100

250 185.5 77.9 116.9#

141 511.5 59.8 89.8#





#70

Pentachlorophenol

Concen: 3.878 ng

RT: 11.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

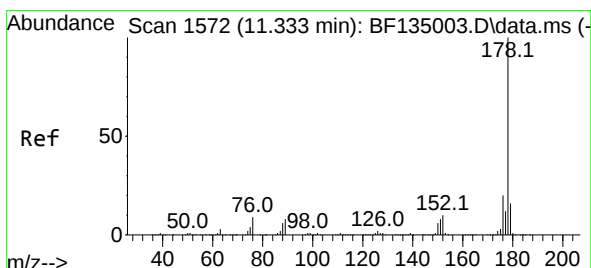
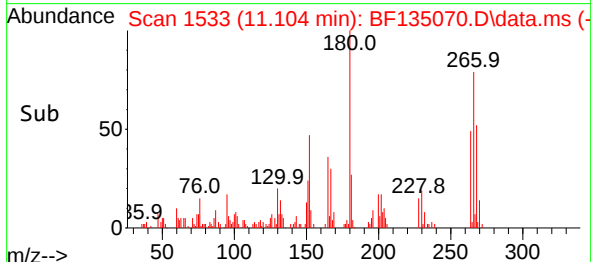
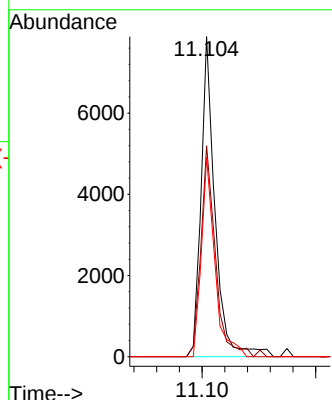
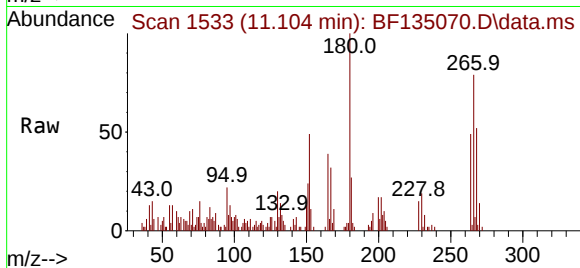
Tgt Ion:266 Resp: 6730

Ion Ratio Lower Upper

266 100

268 69.8 53.3 79.9

264 62.4 49.3 73.9



#71

Phenanthrene

Concen: 11.811 ng

RT: 11.322 min Scan# 1570

Delta R.T. -0.012 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

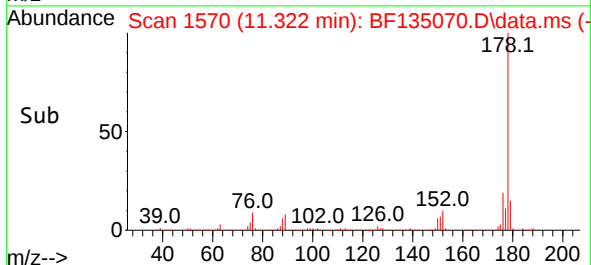
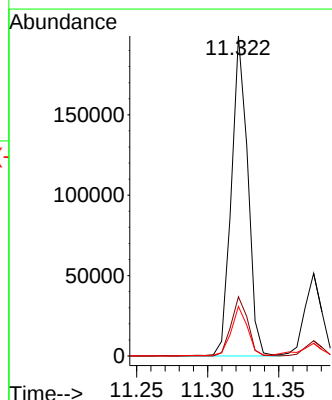
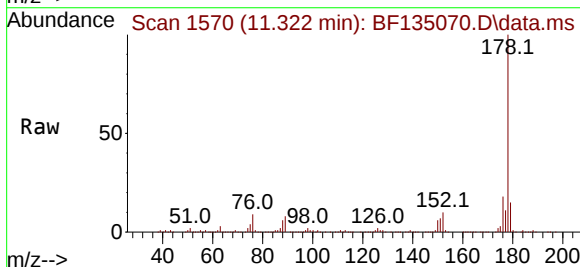
Tgt Ion:178 Resp: 159368

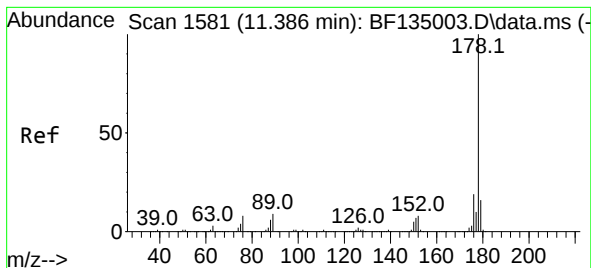
Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

179 15.4 12.5 18.7





#72

Anthracene

Concen: 3.011 ng

RT: 11.375 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

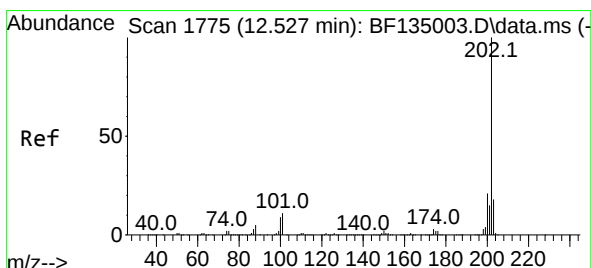
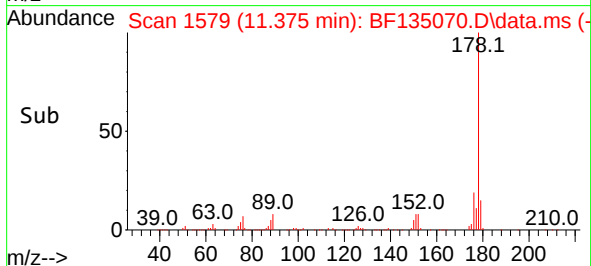
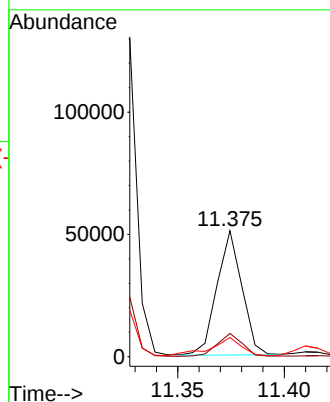
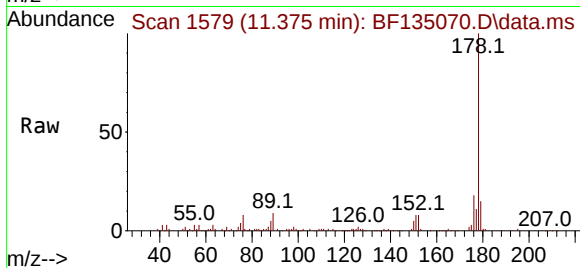
Tgt Ion:178 Resp: 41513

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

179 15.3 12.8 19.2



#75

Fluoranthene

Concen: 31.555 ng

RT: 12.522 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

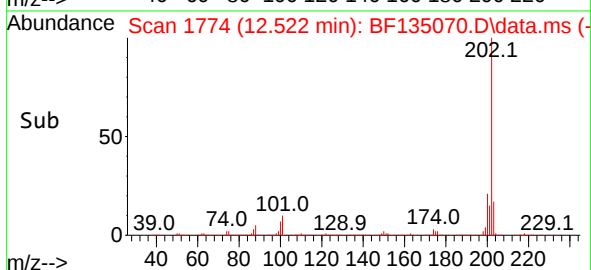
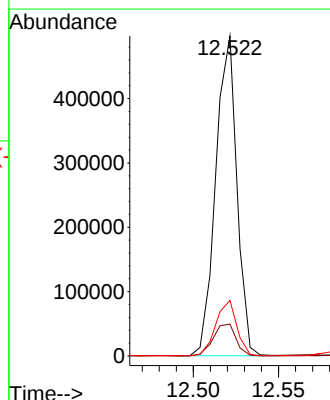
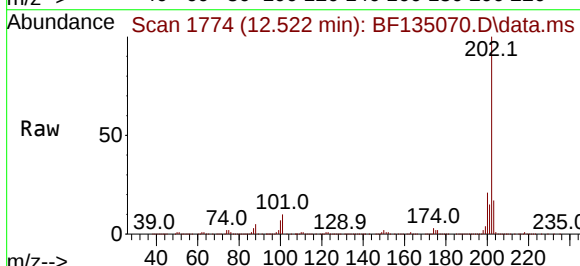
Tgt Ion:202 Resp: 430471

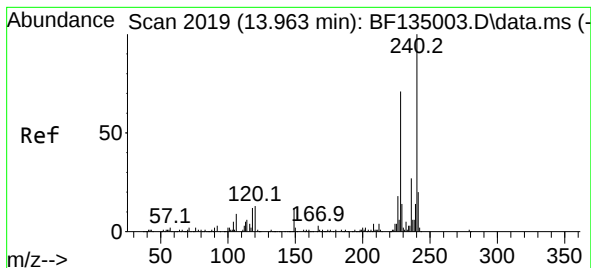
Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.5

203 17.3 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

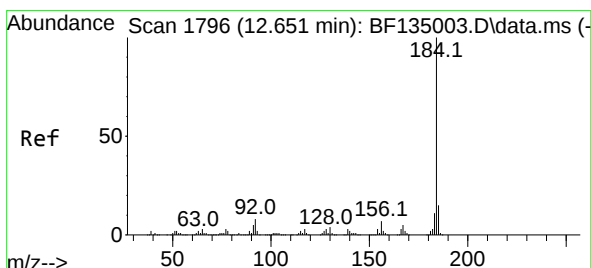
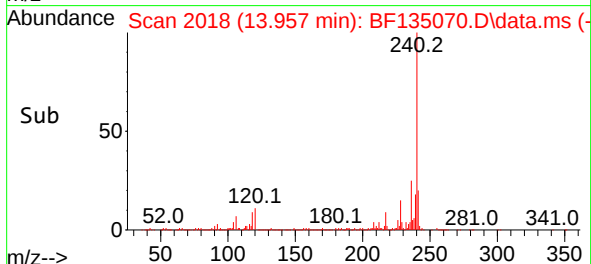
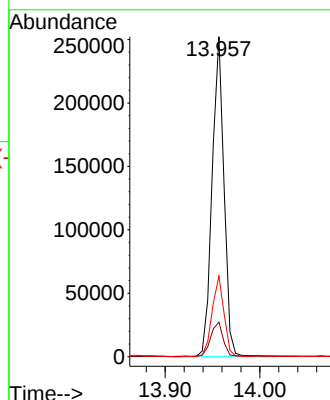
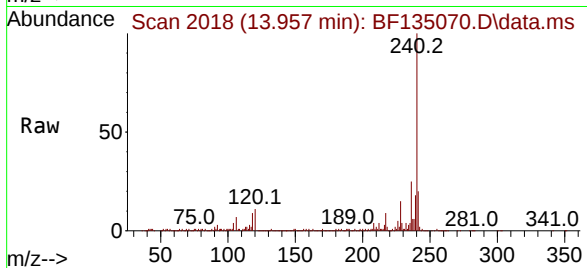
Tgt Ion:240 Resp: 219942

Ion Ratio Lower Upper

240 100

120 10.8 10.2 15.2

236 25.2 21.3 31.9



#77

Benzidine

Concen: 2.435 ng

RT: 12.898 min Scan# 1838

Delta R.T. 0.247 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

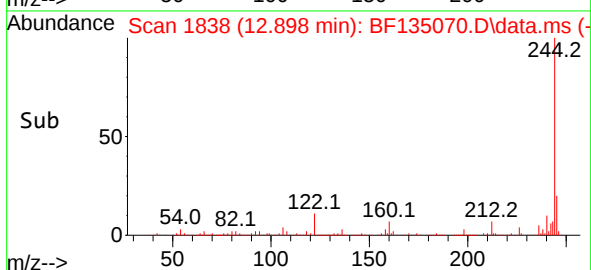
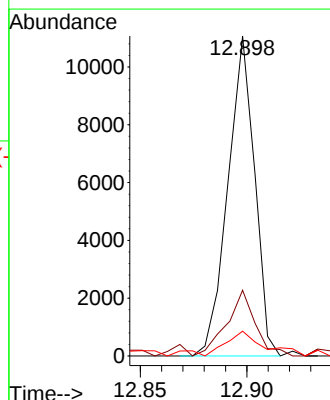
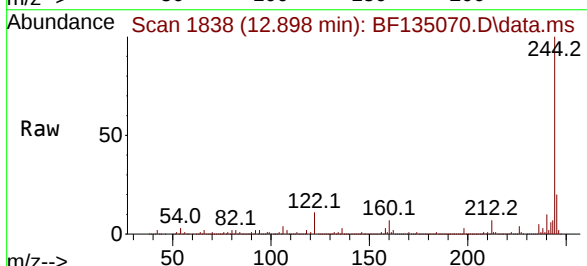
Tgt Ion:184 Resp: 9653

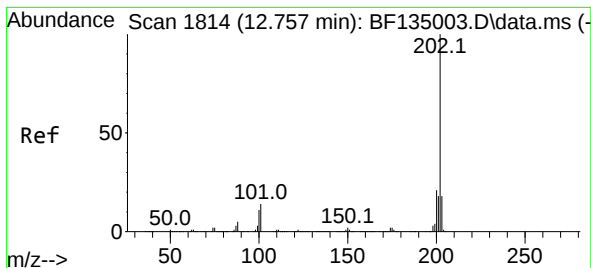
Ion Ratio Lower Upper

184 100

185 20.5 12.0 18.0#

183 7.7 9.0 13.6#





#78

Pyrene

Concen: 16.030 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

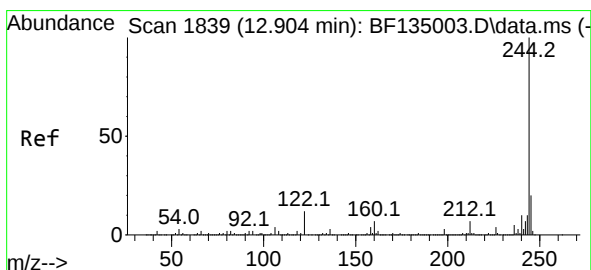
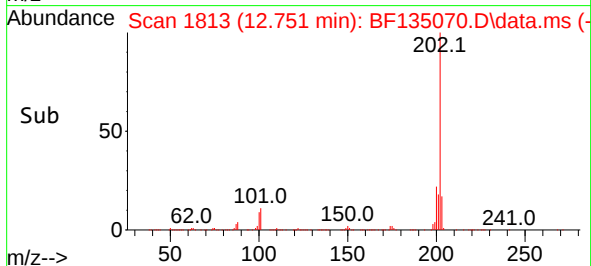
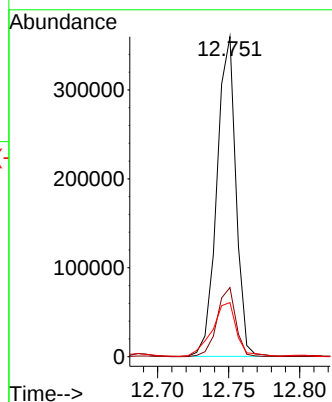
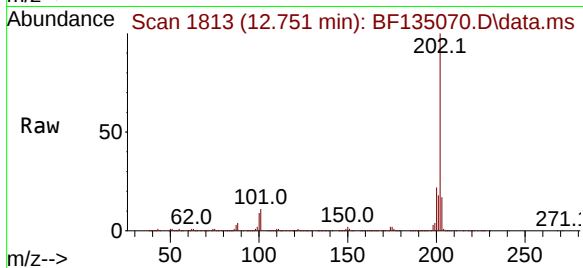
Tgt Ion:202 Resp: 334756

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 16.9 14.2 21.2



#79

Terphenyl-d14

Concen: 56.958 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

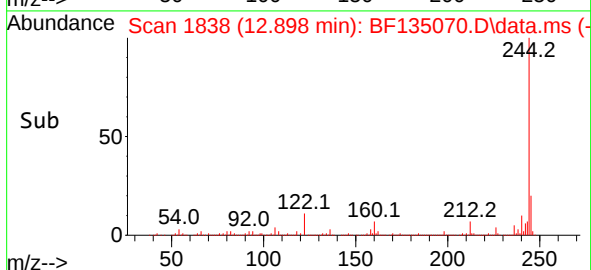
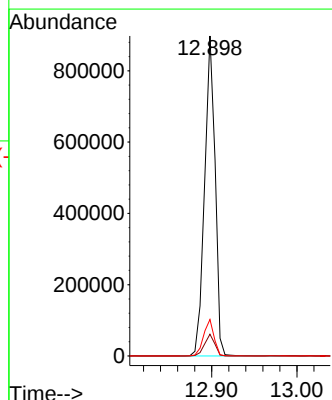
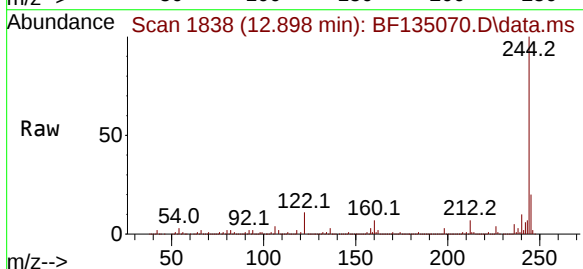
Tgt Ion:244 Resp: 767667

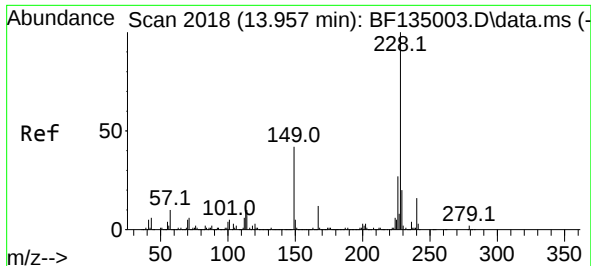
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.4 9.8 14.6

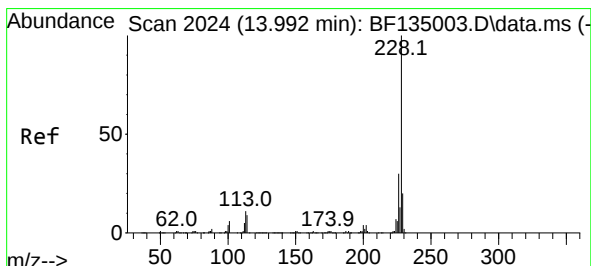
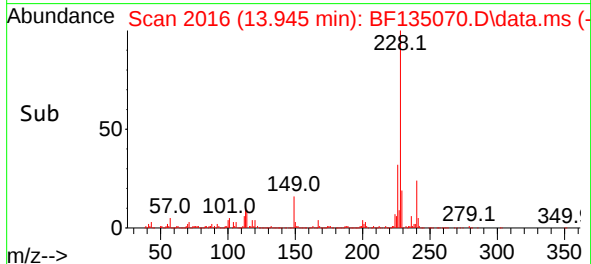
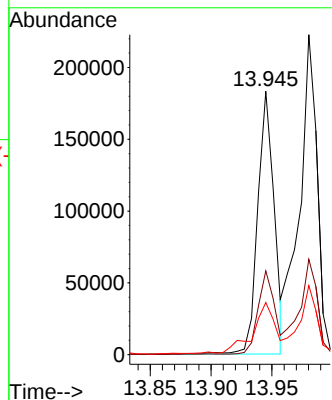
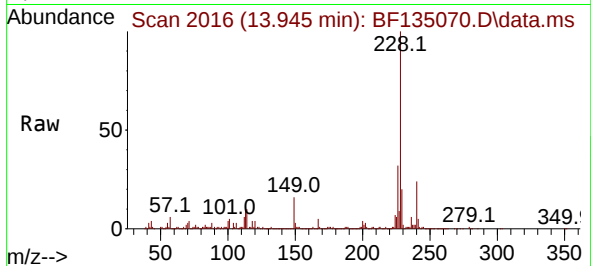




#81
Benzo(a)anthracene
Concen: 11.425 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

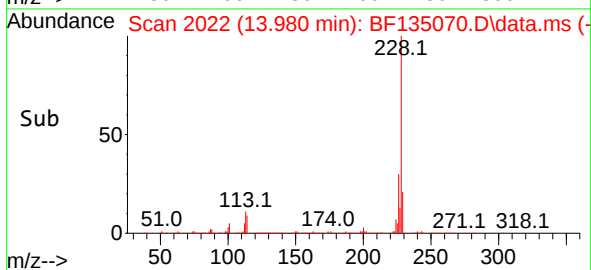
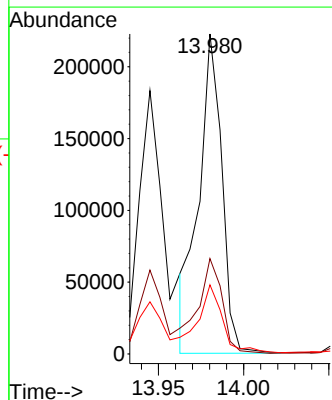
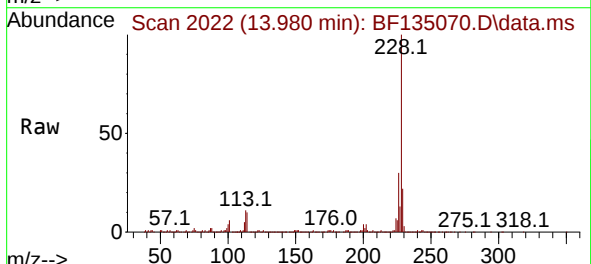
Instrument :
BNA_F
ClientSampleId :
72-11939

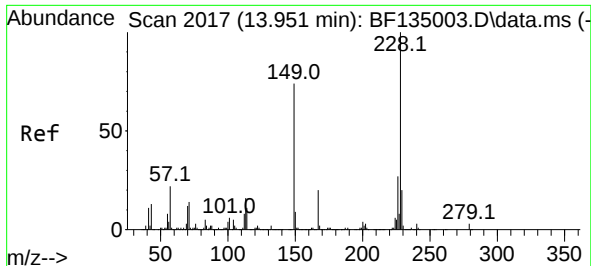
Tgt Ion:228 Resp: 171405
Ion Ratio Lower Upper
228 100
226 31.9 21.6 32.4
229 19.8 15.6 23.4



#83
Chrysene
Concen: 14.182 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Tgt Ion:228 Resp: 209108
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.4
229 21.6 15.9 23.9

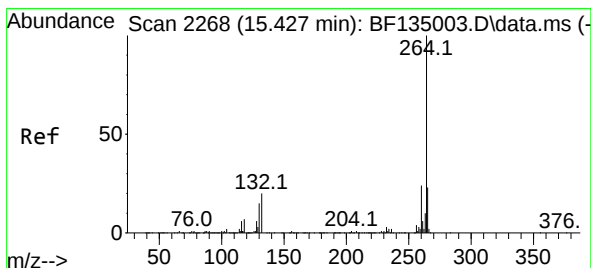
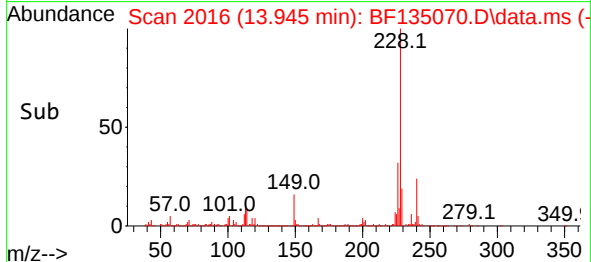
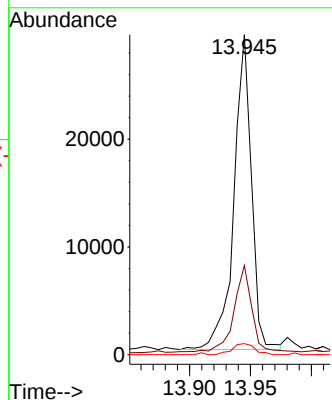
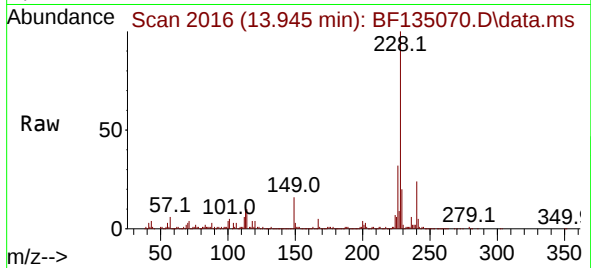




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.741 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

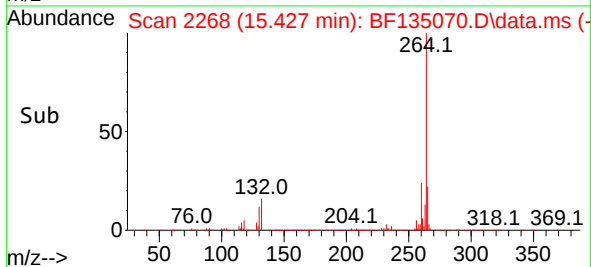
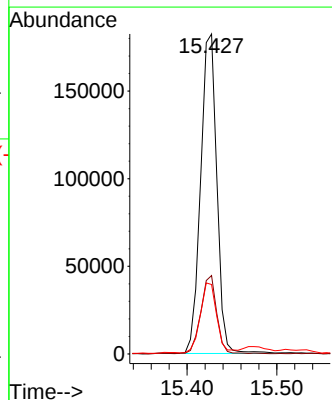
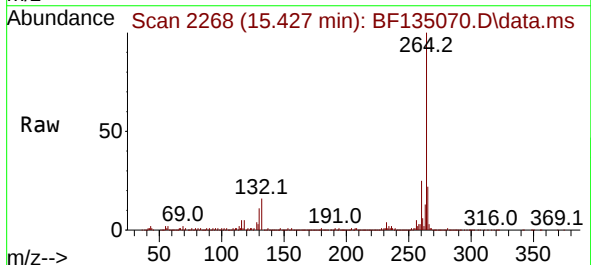
Instrument :
BNA_F
ClientSampleId :
72-11939

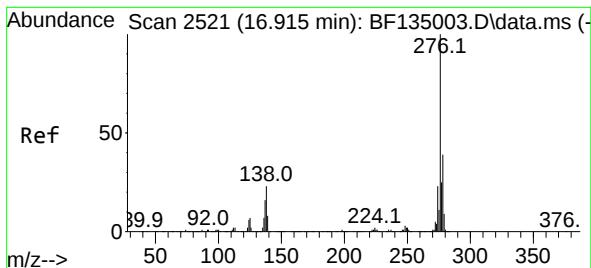
Tgt Ion:149 Resp: 29209
Ion Ratio Lower Upper
149 100
167 27.9 21.4 32.0
279 3.5 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Tgt Ion:264 Resp: 228801
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 21.7 18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.368 ng

RT: 16.898 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

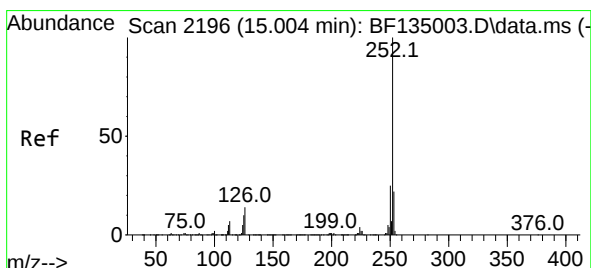
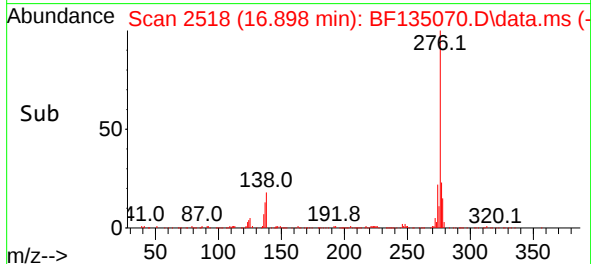
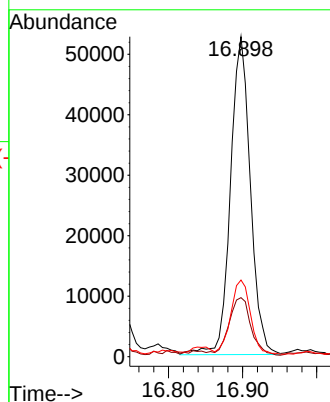
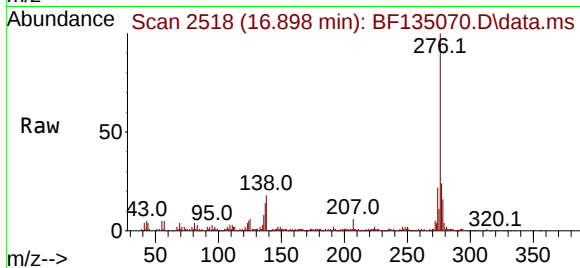
Tgt Ion:276 Resp: 98142

Ion Ratio Lower Upper

276 100

138 19.7 20.2 30.2#

277 22.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 27.779 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

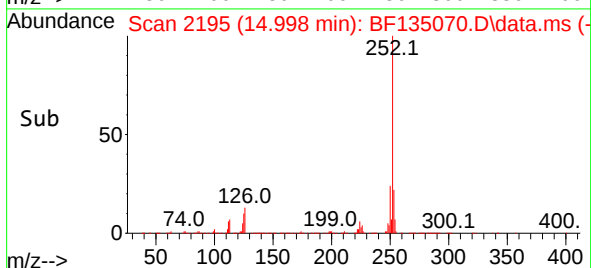
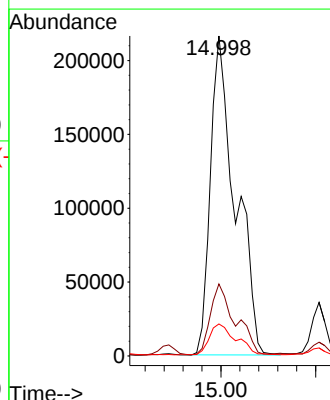
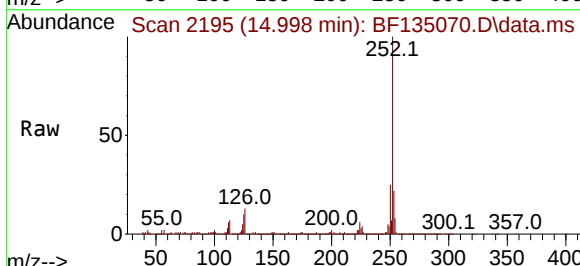
Tgt Ion:252 Resp: 395469

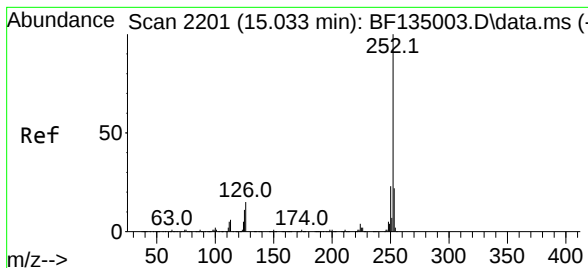
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 10.0 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 28.754 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

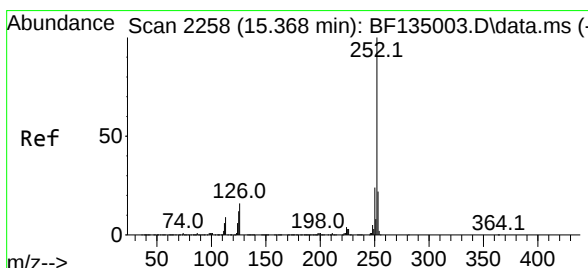
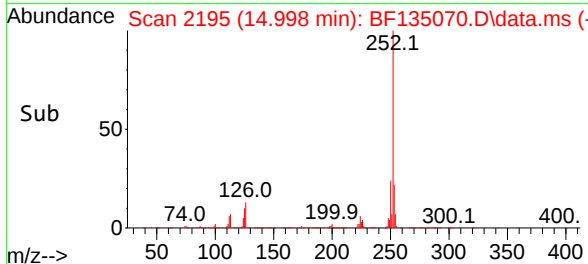
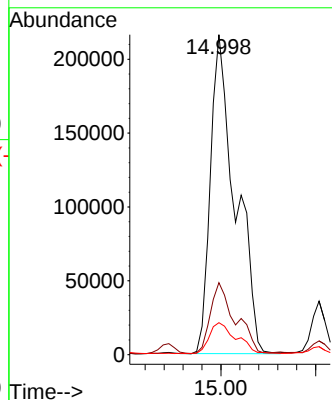
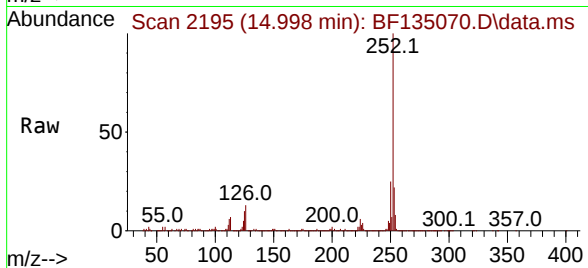
Tgt Ion:252 Resp: 395469

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.0 8.5 12.7



#90

Benzo(a)pyrene

Concen: 13.063 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF135070.D

Acq: 01 Sep 2023 11:58

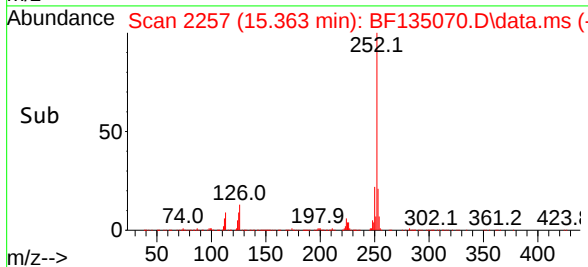
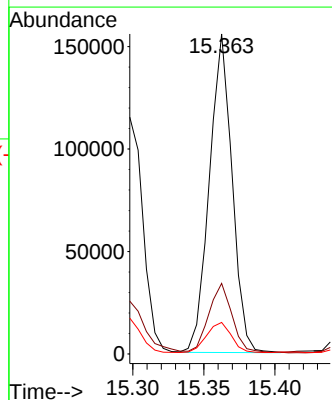
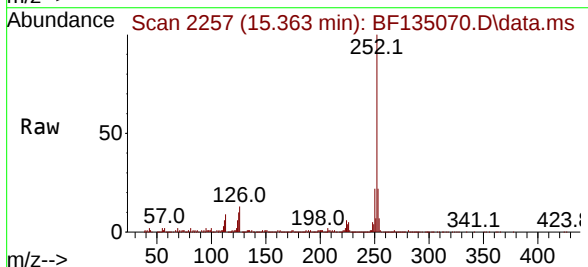
Tgt Ion:252 Resp: 172762

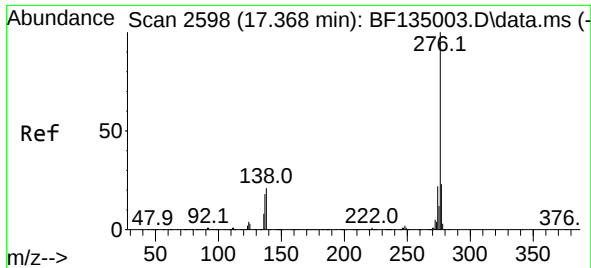
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.9 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 8.241 ng
 RT: 17.345 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF135070.D
 Acq: 01 Sep 2023 11:58

Instrument :
 BNA_F
 ClientSampleId :
 72-11939

Tgt Ion:276 Resp: 106986
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.5 27.7
 138 20.0 17.1 25.7

