

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135900.D
 Acq On : 19 Oct 2023 22:23
 Operator : CG\JU
 Sample : 04693-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3(0-5)

Quant Time: Oct 20 02:06:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

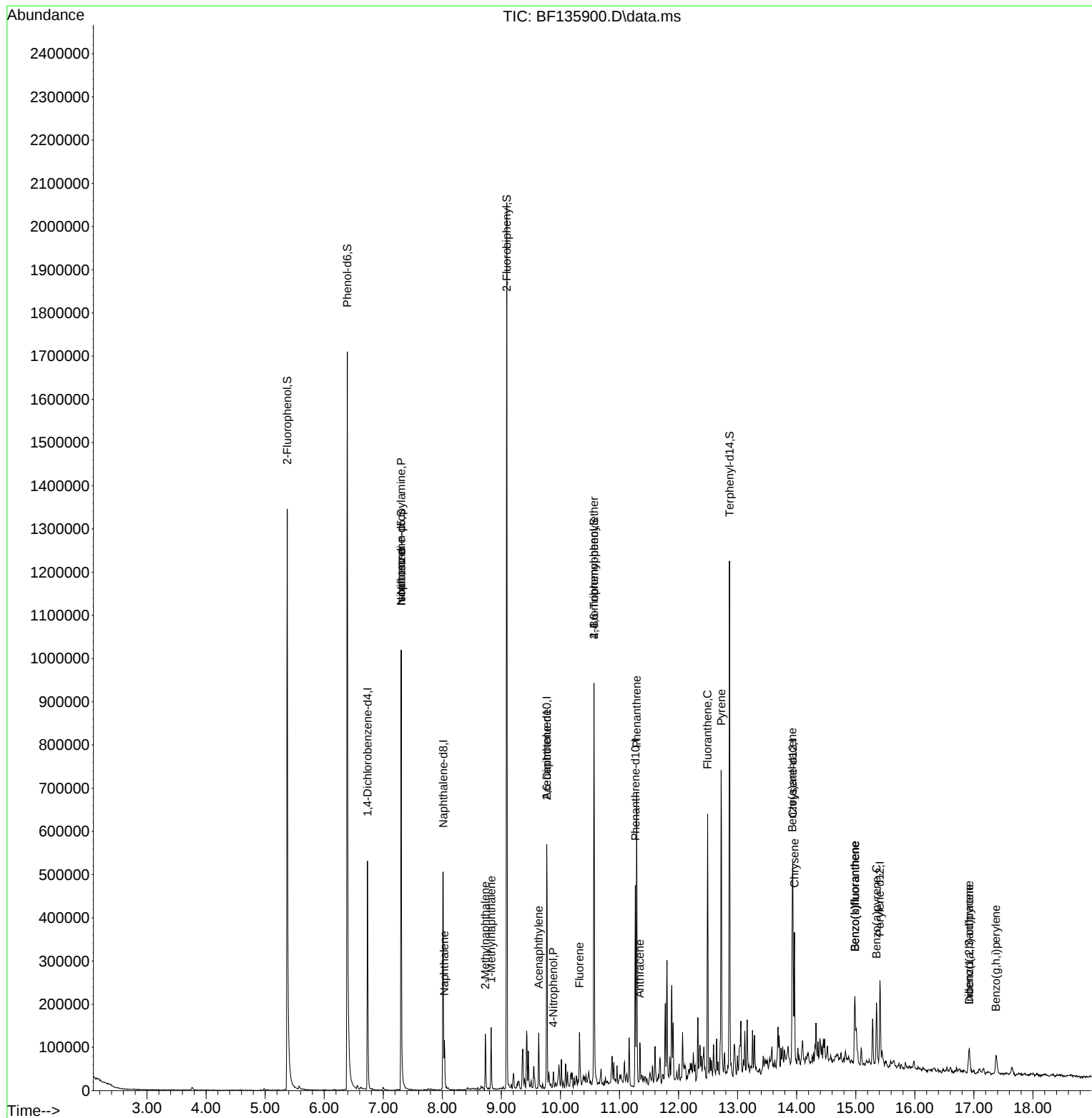
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	75160	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	240956	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	109858	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	150873	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	111491	20.000	ng	-0.02
86) Perylene-d12	15.410	264	90937	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	415101	88.794	ng	0.00
7) Phenol-d6	6.392	99	585824	100.434	ng	0.00
23) Nitrobenzene-d5	7.304	82	290512	66.311	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	104507	99.136	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	570550	81.201	ng	-0.01
79) Terphenyl-d14	12.863	244	381852	63.427	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	37579	10.420	ng	# 74
25) Isophorone	7.304	82	290510	35.149	ng	# 66
31) Naphthalene	8.034	128	47111	4.008	ng	99
37) 2-Methylnaphthalene	8.728	142	35150	4.539	ng	98
38) 1-Methylnaphthalene	8.828	142	34633	4.849	ng	94
49) Acenaphthylene	9.633	152	42196	4.204	ng	97
51) 2,6-Dinitrotoluene	9.769	165	15380	9.644	ng	# 17
56) 4-Nitrophenol	9.880	139	544	6.058	ng	85
58) Fluorene	10.322	166	34265	4.822	ng	95
67) 4-Bromophenyl-phenylether	10.569	248	6433	4.248	ng	# 1
71) Phenanthrene	11.292	178	225012	31.133	ng	100
72) Anthracene	11.345	178	41952	5.602	ng	99
75) Fluoranthene	12.492	202	217817	27.154	ng	98
78) Pyrene	12.721	202	285928	32.273	ng	99
81) Benzo(a)anthracene	13.927	228	120473	16.451	ng	96
83) Chrysene	13.963	228	115802	16.326	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	34665	6.996	ng	94
88) Benzo(b)fluoranthene	14.986	252	116976	22.984	ng	98
89) Benzo(k)fluoranthene	14.986	252	116976	23.674	ng	97
90) Benzo(a)pyrene	15.351	252	70476	14.726	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	9869	2.430	ng	# 72
92) Benzo(g,h,i)perylene	17.374	276	34211	8.199	ng	96

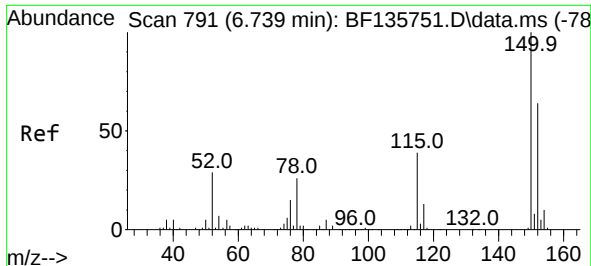
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135900.D
Acq On : 19 Oct 2023 22:23
Operator : CG\JU
Sample : 04693-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Quant Time: Oct 20 02:06:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

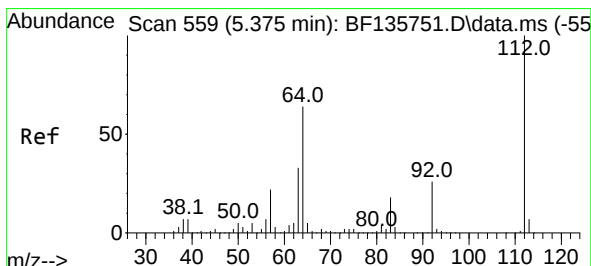
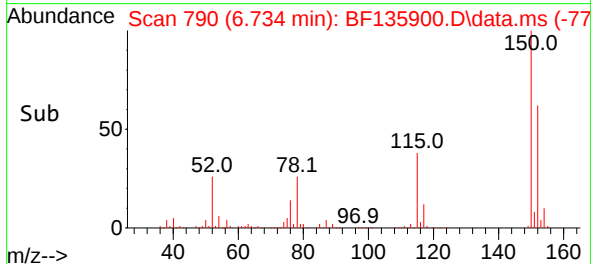
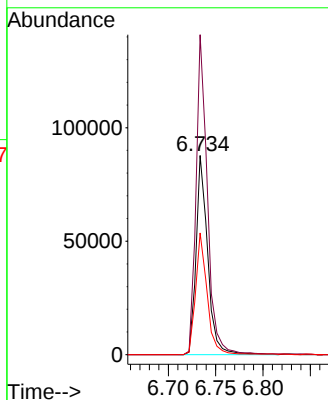
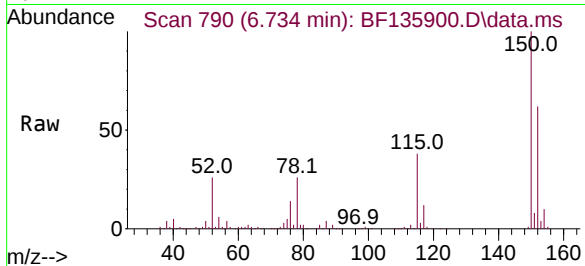




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

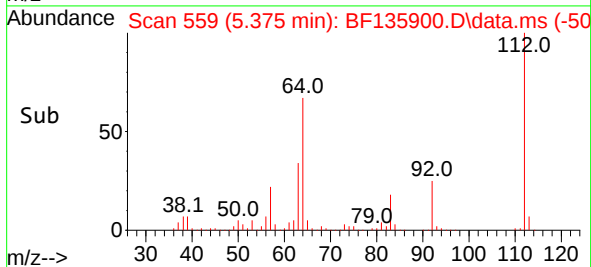
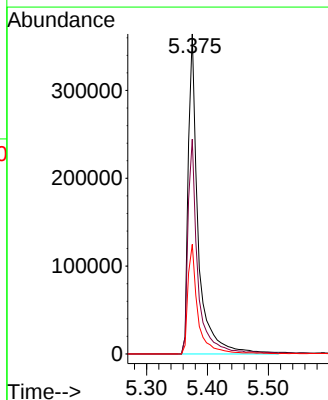
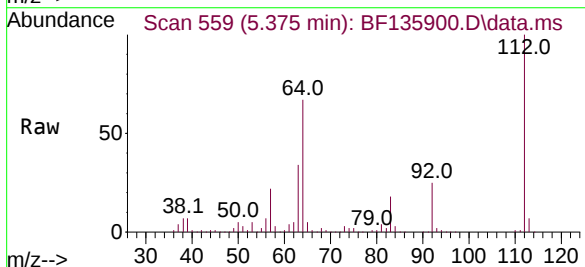
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

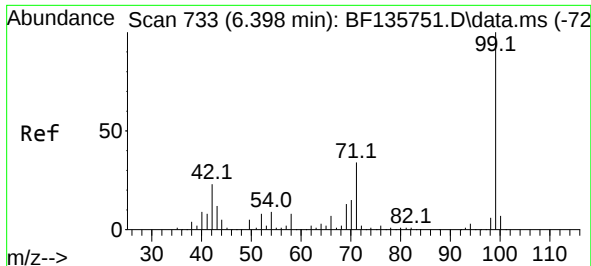
Tgt Ion:152 Resp: 75160
Ion Ratio Lower Upper
152 100
150 160.7 124.5 186.7
115 61.2 49.0 73.4



#5
2-Fluorophenol
Concen: 88.794 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:112 Resp: 415101
Ion Ratio Lower Upper
112 100
64 67.2 51.2 76.8
63 34.3 26.1 39.1

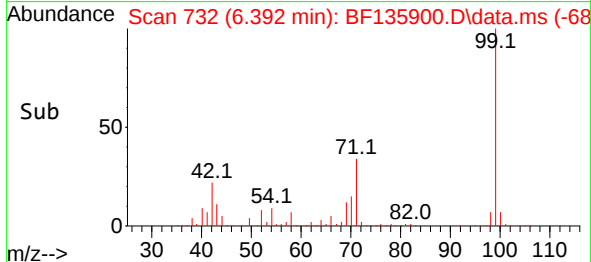
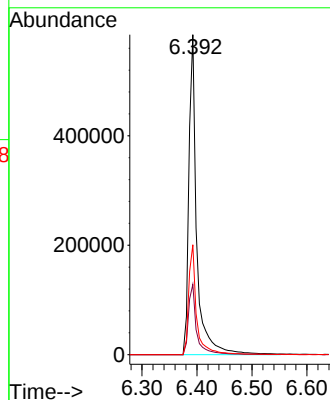
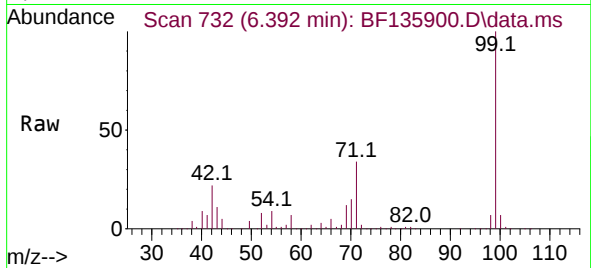




#7
Phenol-d6
Concen: 100.434 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

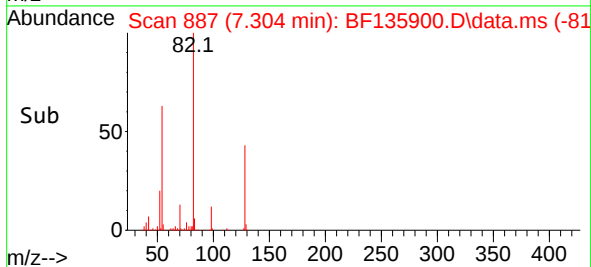
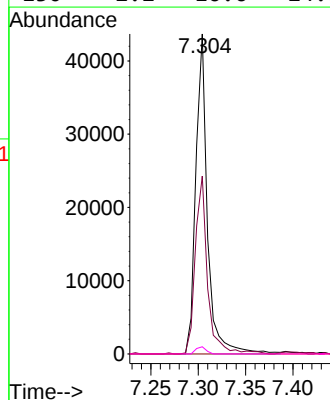
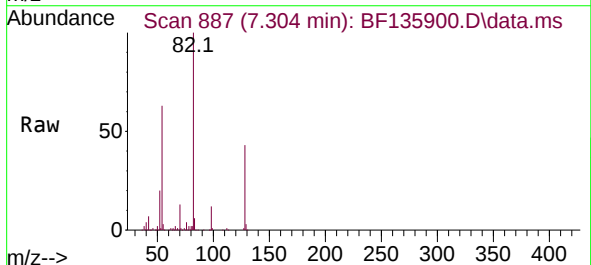
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

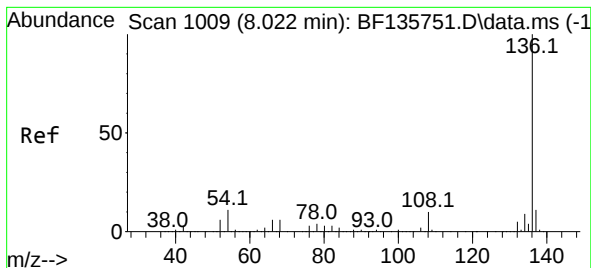
Tgt Ion: 99 Resp: 585824
Ion Ratio Lower Upper
99 100
42 21.9 18.4 27.6
71 34.3 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.420 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion: 70 Resp: 37579
Ion Ratio Lower Upper
70 100
42 55.6 59.8 89.6#
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

Tgt Ion:136 Resp: 240956

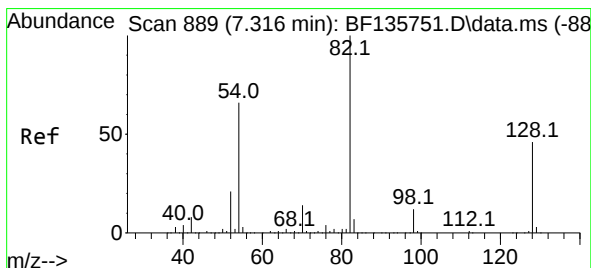
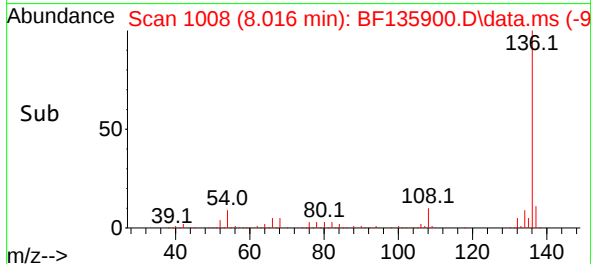
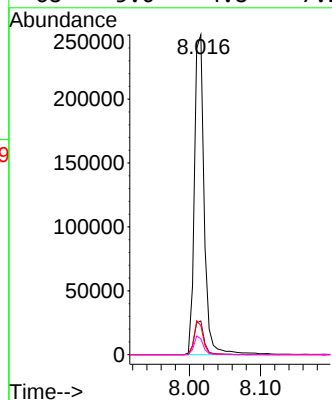
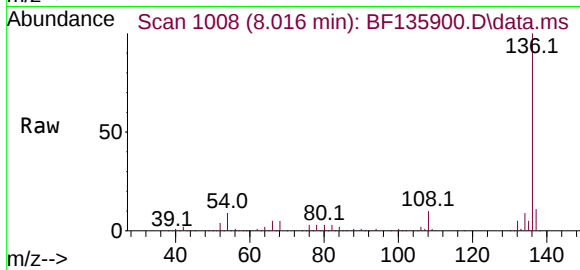
Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

54 9.1 8.5 12.7

68 5.0 4.8 7.2



#23

Nitrobenzene-d5

Concen: 66.311 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

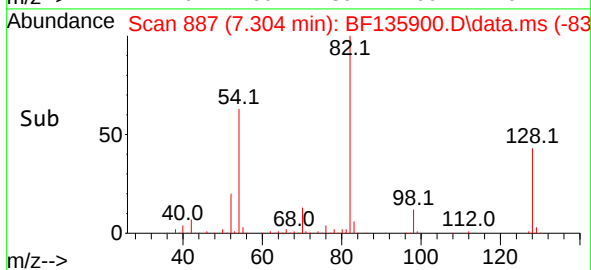
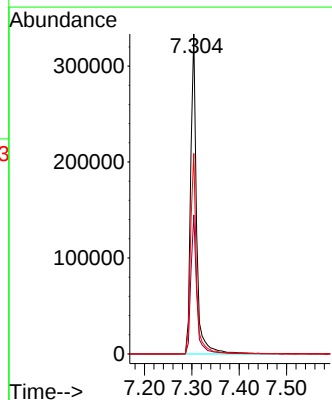
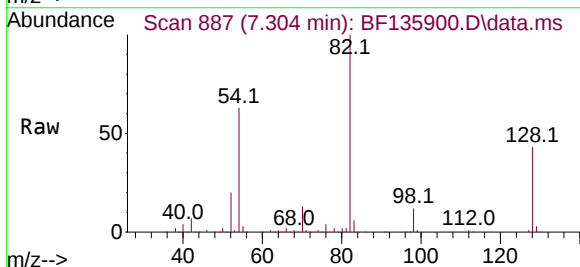
Tgt Ion: 82 Resp: 290512

Ion Ratio Lower Upper

82 100

128 43.4 37.0 55.6

54 62.6 52.8 79.2

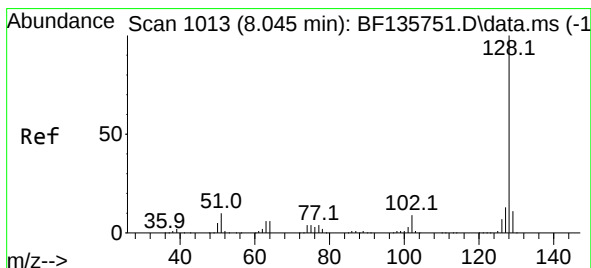
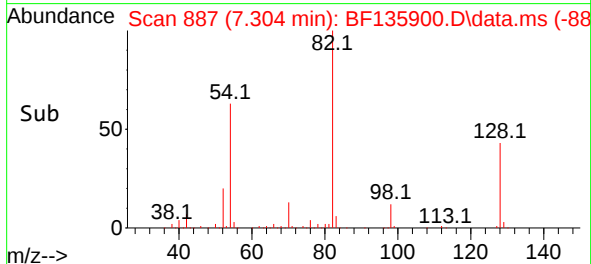
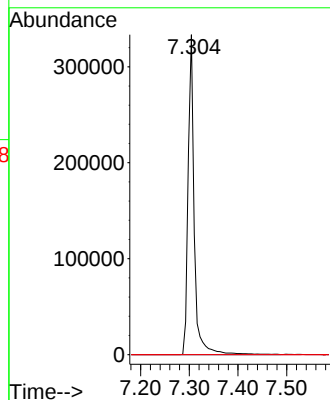
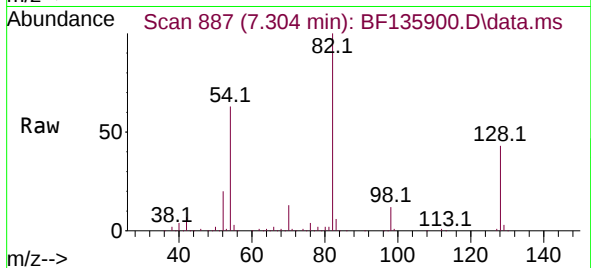




#25
Isophorone
Concen: 35.149 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

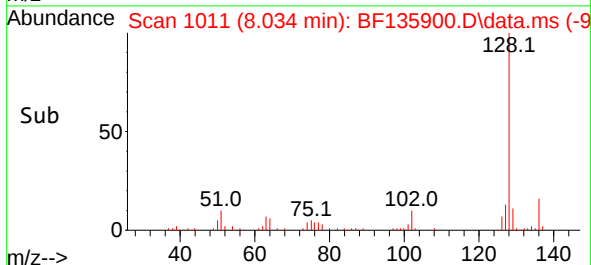
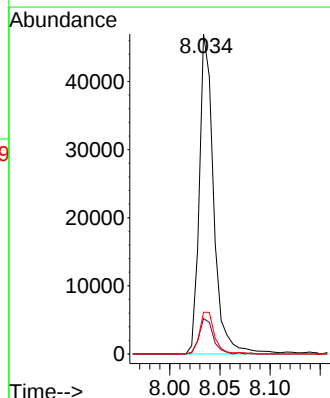
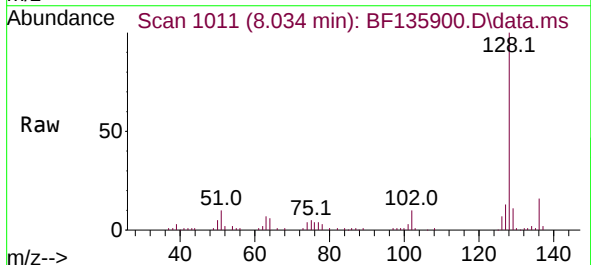
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

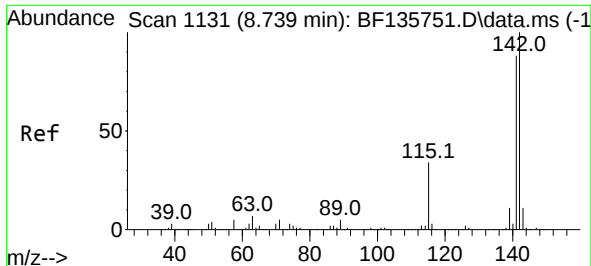
Tgt Ion: 82 Resp: 290510
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 4.008 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion: 128 Resp: 47111
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.0 10.2 15.4

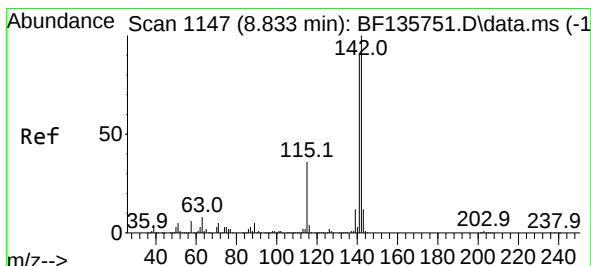
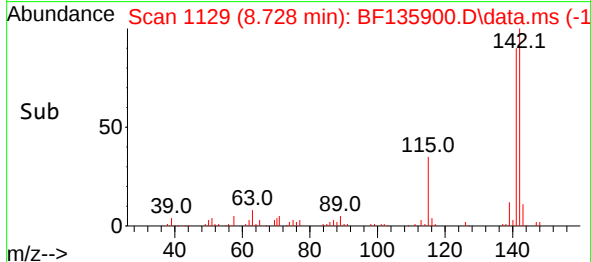
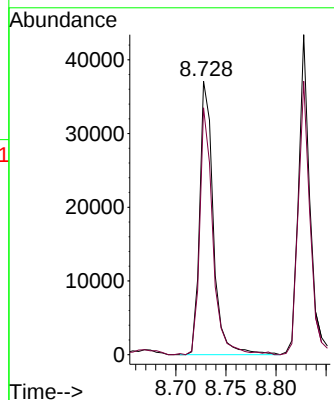
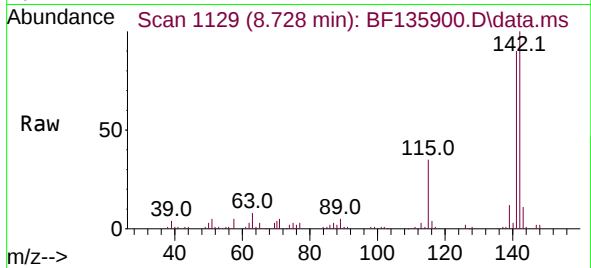




#37
2-Methylnaphthalene
Concen: 4.539 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

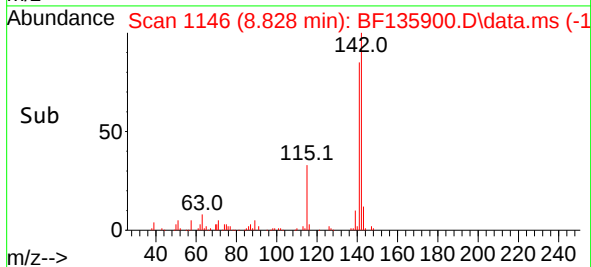
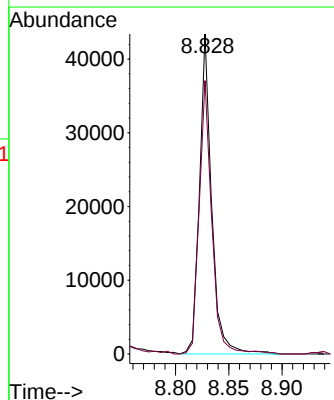
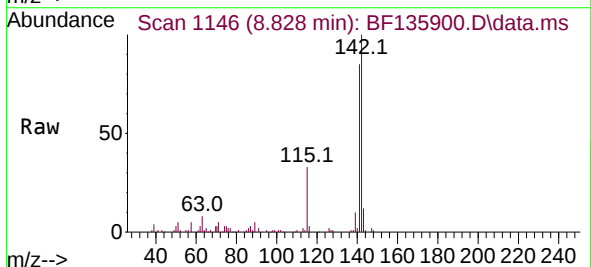
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

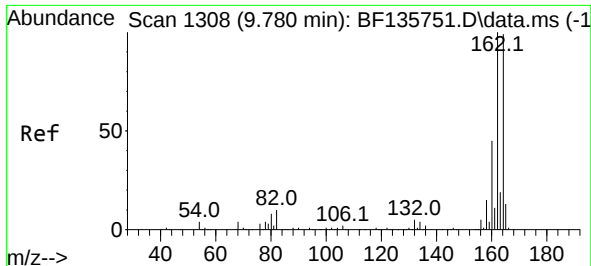
Tgt Ion:142 Resp: 35150
Ion Ratio Lower Upper
142 100
141 90.2 70.6 105.8



#38
1-Methylnaphthalene
Concen: 4.849 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:142 Resp: 34633
Ion Ratio Lower Upper
142 100
141 85.4 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

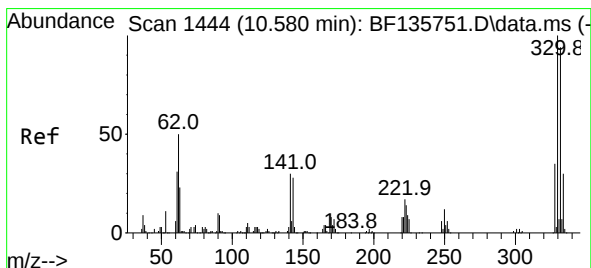
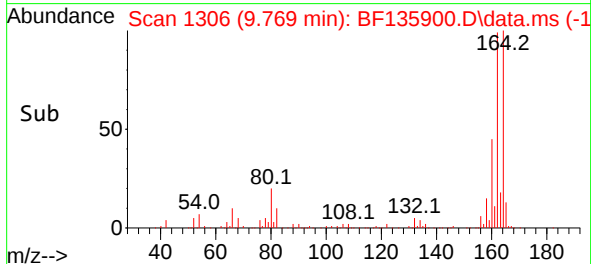
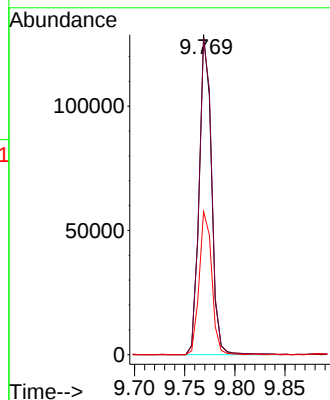
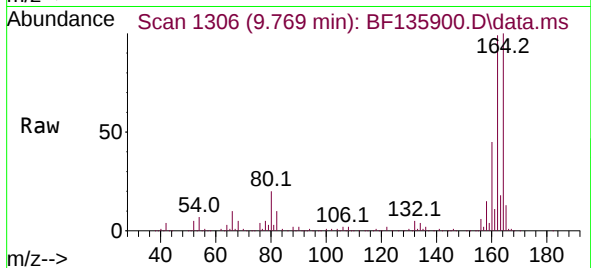
Tgt Ion:164 Resp: 109858

Ion Ratio Lower Upper

164 100

162 98.7 80.8 121.2

160 44.7 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 99.136 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.018 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

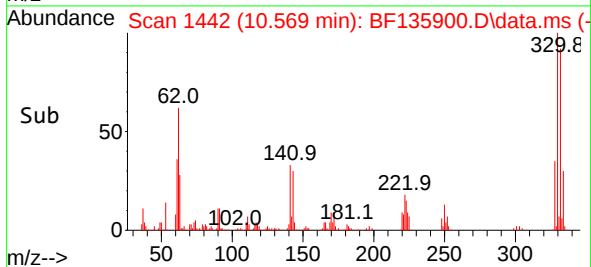
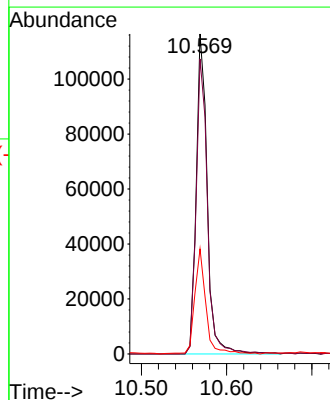
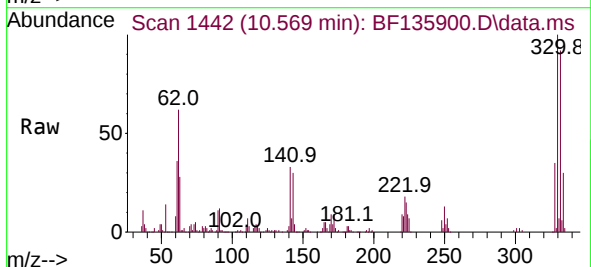
Tgt Ion:330 Resp: 104507

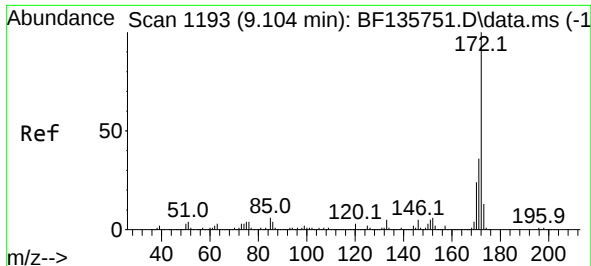
Ion Ratio Lower Upper

330 100

332 94.9 75.0 112.4

141 33.3 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 81.201 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

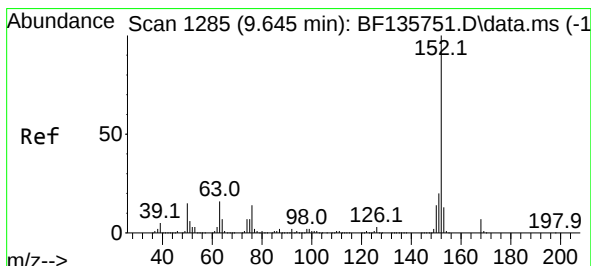
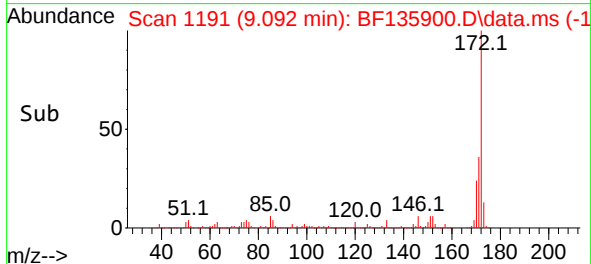
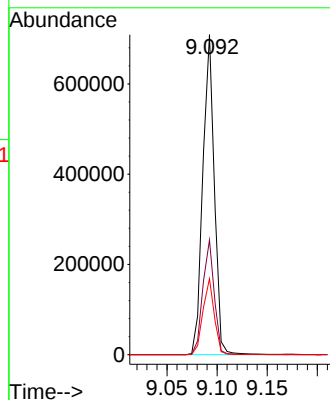
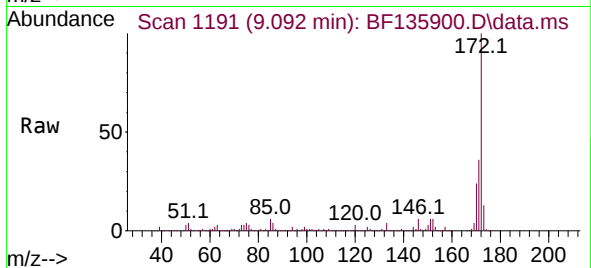
Tgt Ion:172 Resp: 570550

Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.7 18.8 28.2



#49

Acenaphthylene

Concen: 4.204 ng

RT: 9.633 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

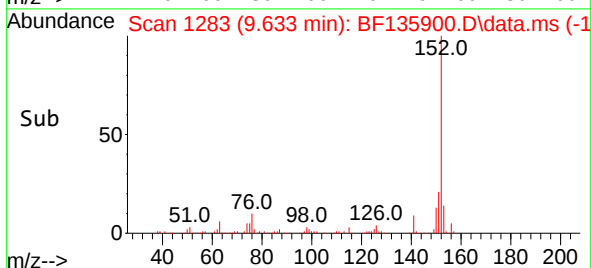
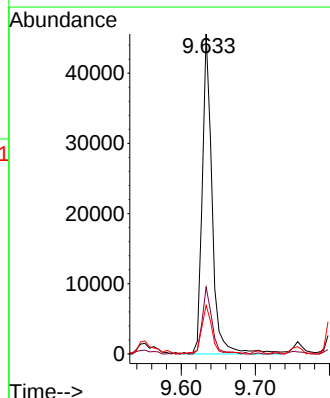
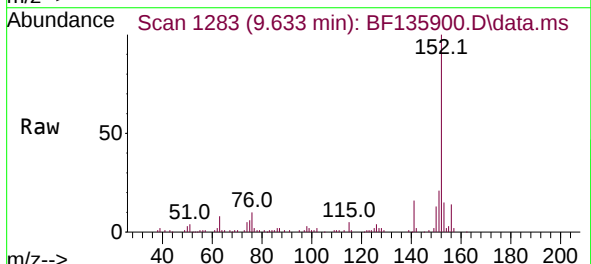
Tgt Ion:152 Resp: 42196

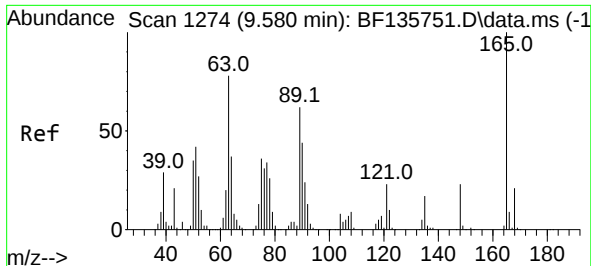
Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.2

153 15.2 10.2 15.4

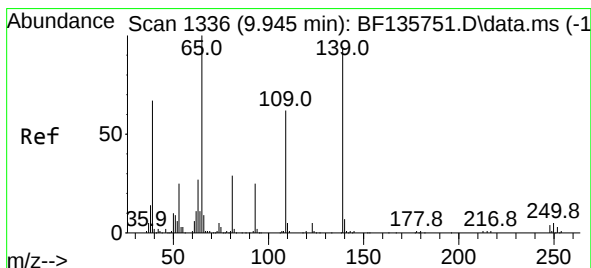
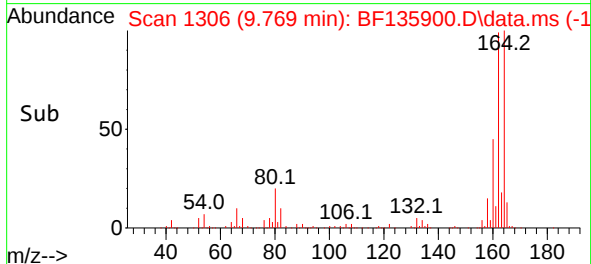
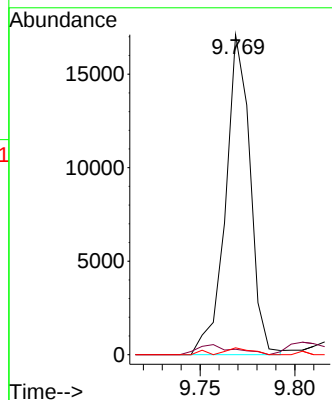
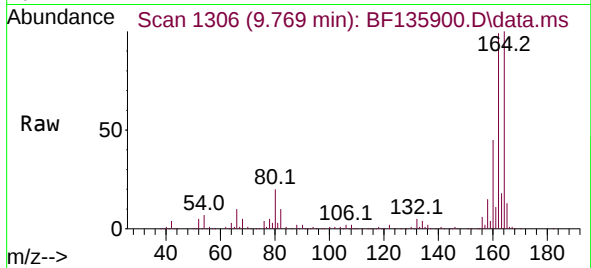




#51
2,6-Dinitrotoluene
Concen: 9.644 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.182 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

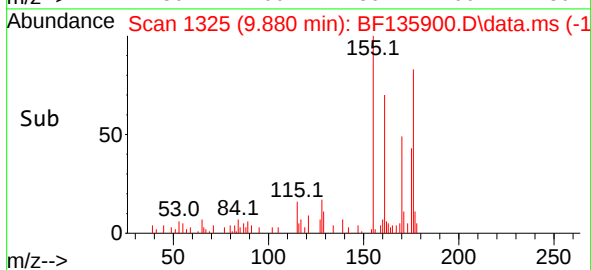
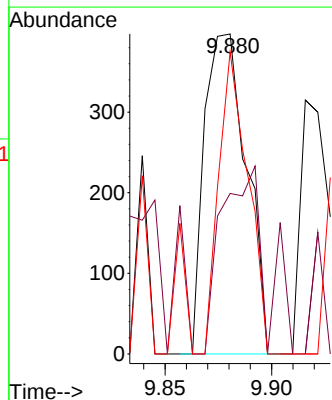
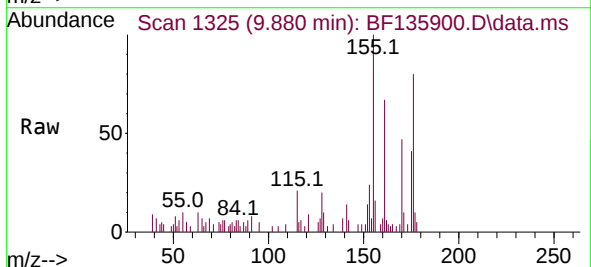
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

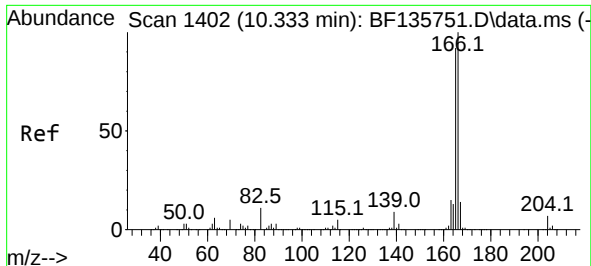
Tgt Ion:165 Resp: 15380
Ion Ratio Lower Upper
165 100
63 1.7 62.2 93.4#
89 2.2 49.6 74.4#



#56
4-Nitrophenol
Concen: 6.058 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.065 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:139 Resp: 544
Ion Ratio Lower Upper
139 100
109 50.1 45.6 85.6
65 94.5 87.5 127.5

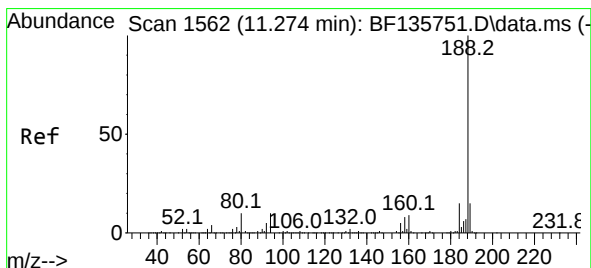
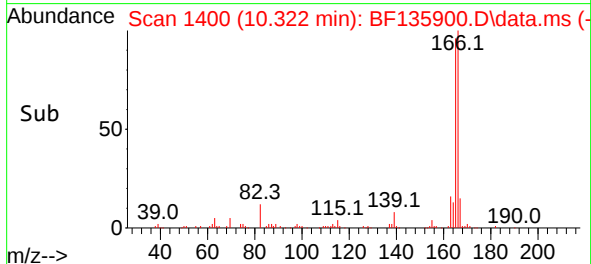
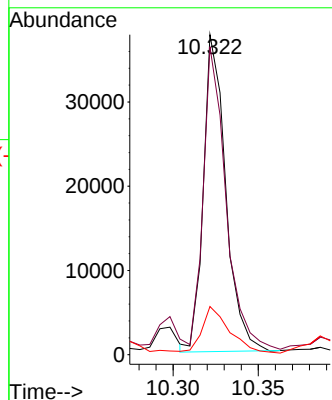
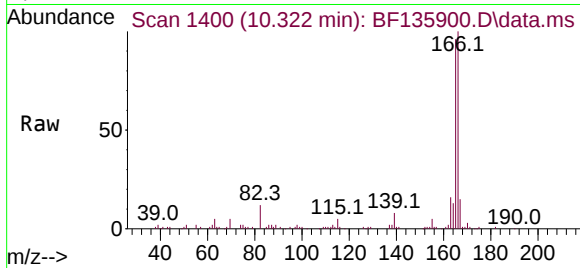




#58
Fluorene
Concen: 4.822 ng
RT: 10.322 min Scan# 1402
Delta R.T. -0.018 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

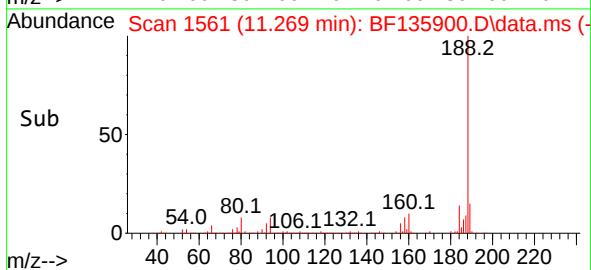
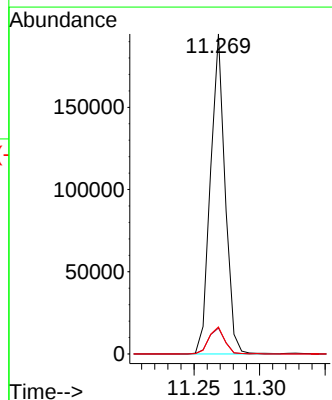
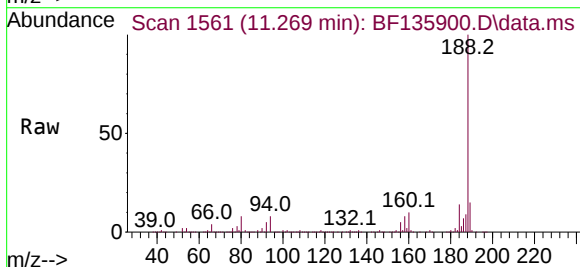
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

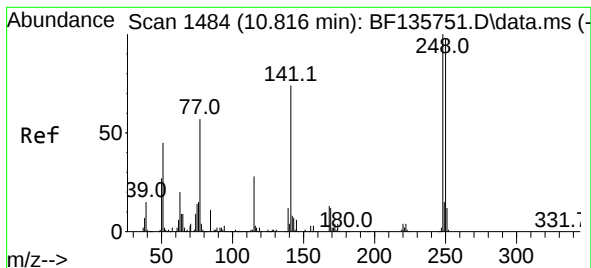
Tgt Ion:166 Resp: 34265
Ion Ratio Lower Upper
166 100
165 96.2 73.4 110.0
167 15.0 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:188 Resp: 150873
Ion Ratio Lower Upper
188 100
94 8.1 8.0 12.0
80 8.5 8.3 12.5

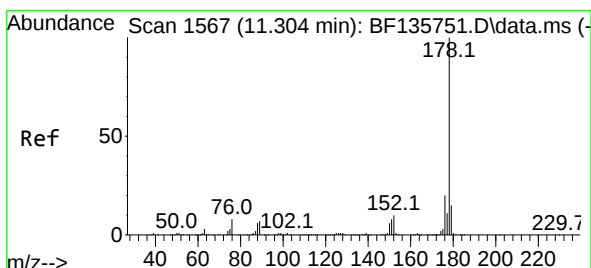
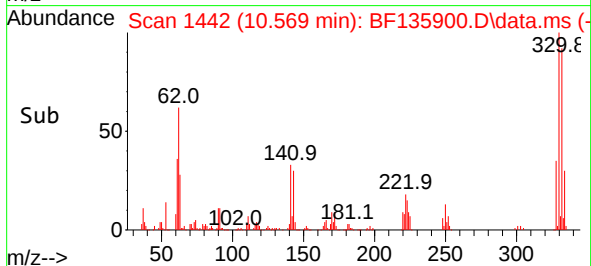
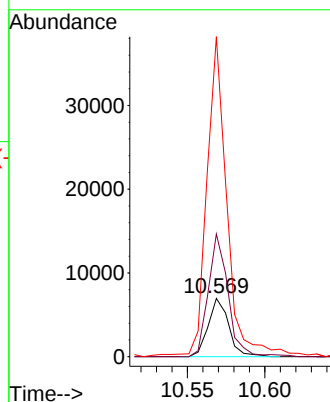
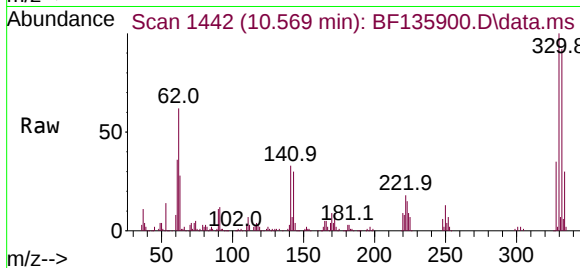




#67
4-Bromophenyl-phenylether
Concen: 4.248 ng
RT: 10.569 min Scan# 1484
Delta R.T. -0.253 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

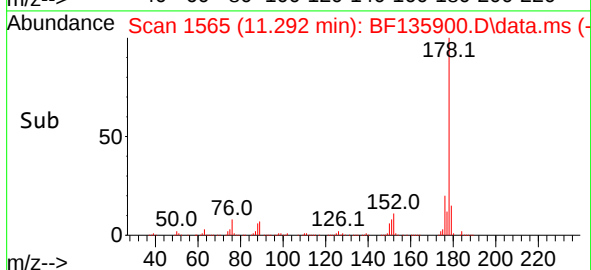
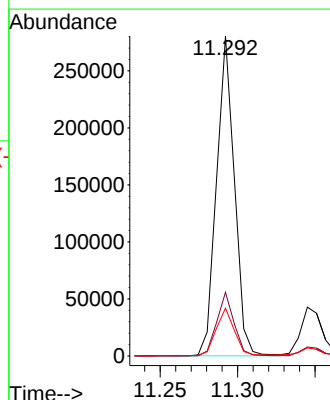
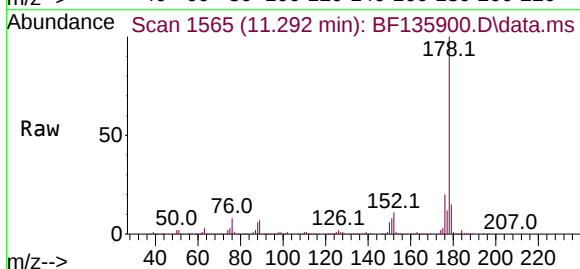
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

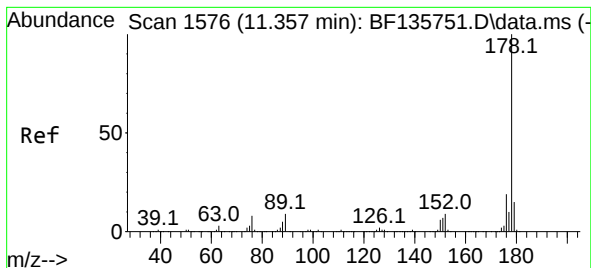
Tgt Ion:248 Resp: 6433
Ion Ratio Lower Upper
248 100
250 210.4 78.0 117.0#
141 548.8 59.0 88.6#



#71
Phenanthrene
Concen: 31.133 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:178 Resp: 225012
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.0 12.2 18.4





#72

Anthracene

Concen: 5.602 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

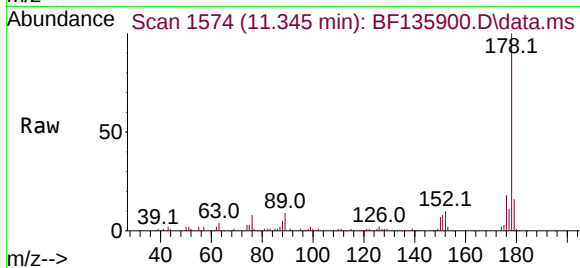
Tgt Ion:178 Resp: 41952

Ion Ratio Lower Upper

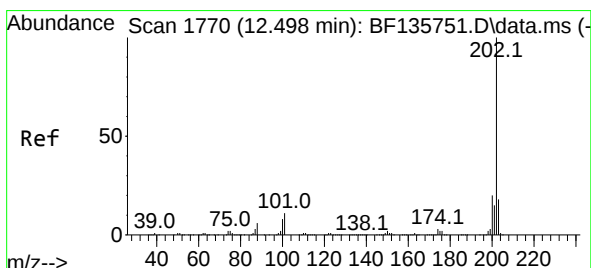
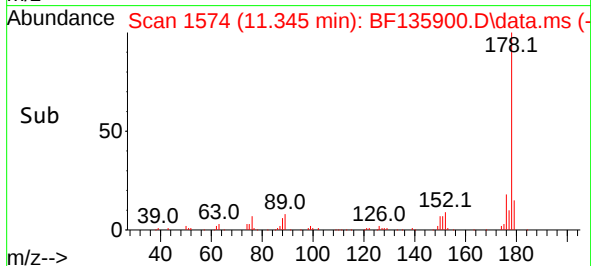
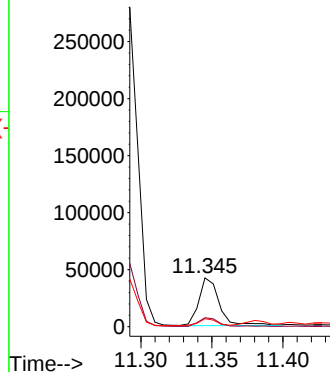
178 100

176 18.4 15.1 22.7

179 16.2 12.3 18.5



Abundance



#75

Fluoranthene

Concen: 27.154 ng

RT: 12.492 min Scan# 1769

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

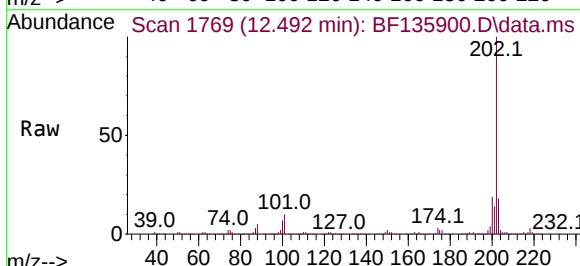
Tgt Ion:202 Resp: 217817

Ion Ratio Lower Upper

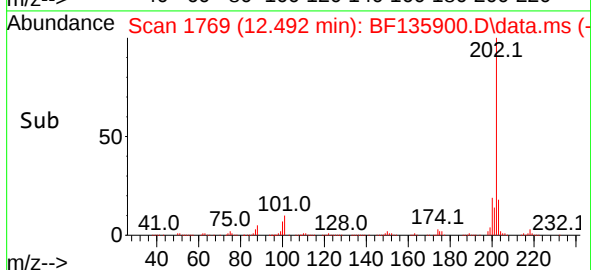
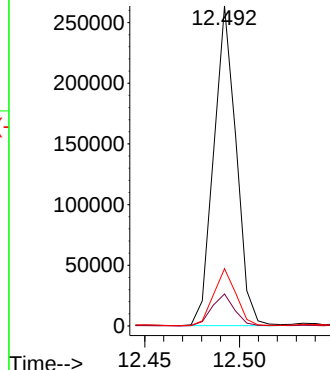
202 100

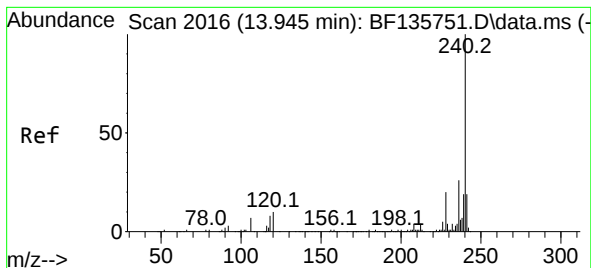
101 10.0 0.0 31.5

203 17.9 0.0 38.3



Abundance





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

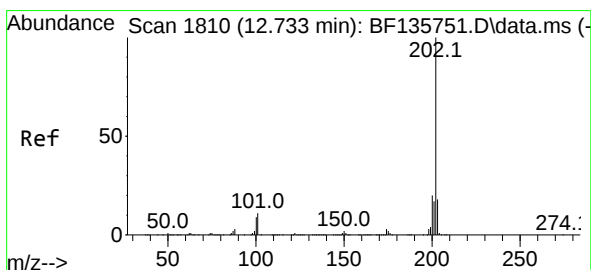
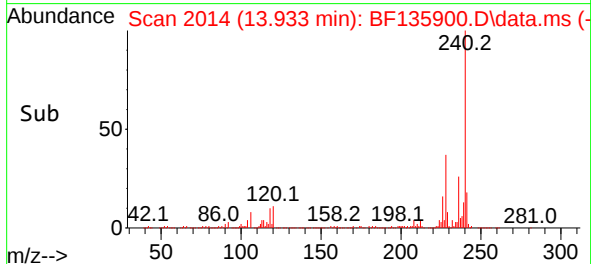
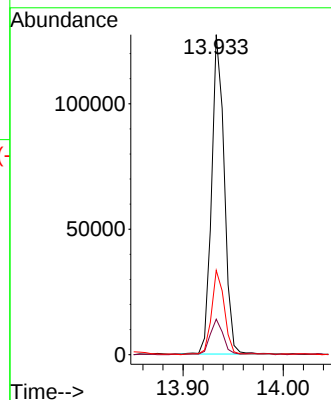
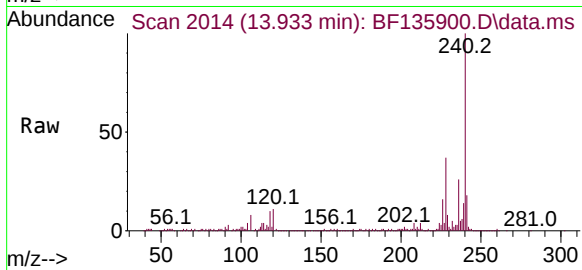
Tgt Ion:240 Resp: 111491

Ion Ratio Lower Upper

240 100

120 11.1 8.2 12.2

236 26.3 21.2 31.8



#78

Pyrene

Concen: 32.273 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

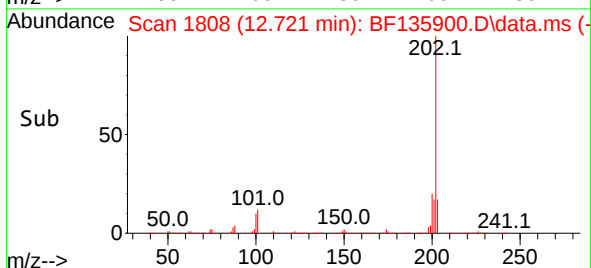
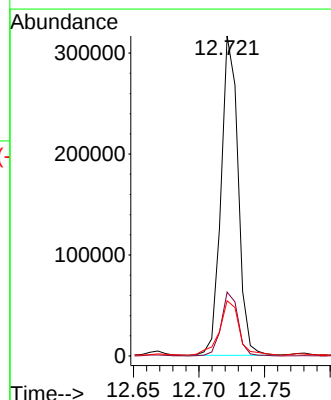
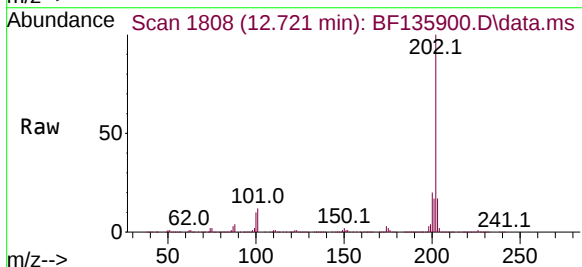
Tgt Ion:202 Resp: 285928

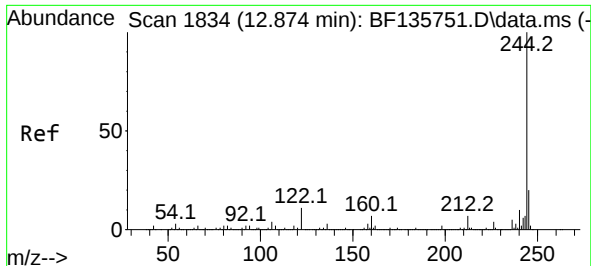
Ion Ratio Lower Upper

202 100

200 19.9 16.1 24.1

203 17.3 14.2 21.2

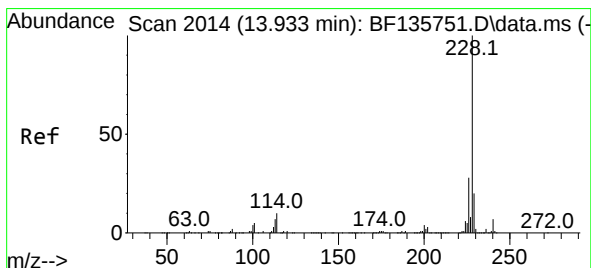
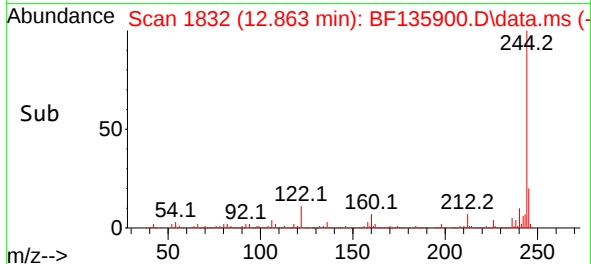
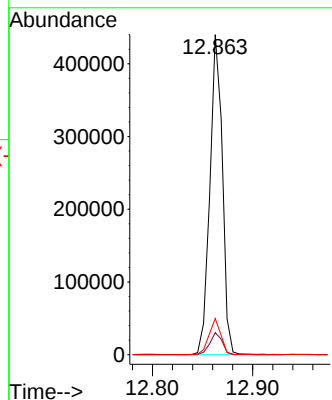
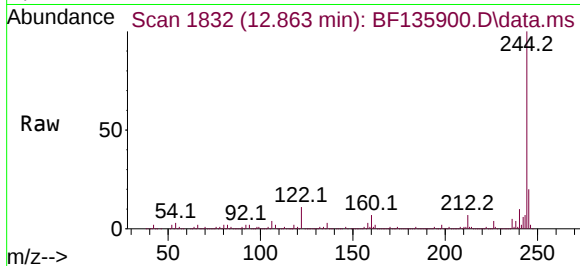




#79
 Terphenyl-d14
 Concen: 63.427 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135900.D
 Acq: 19 Oct 2023 22:23

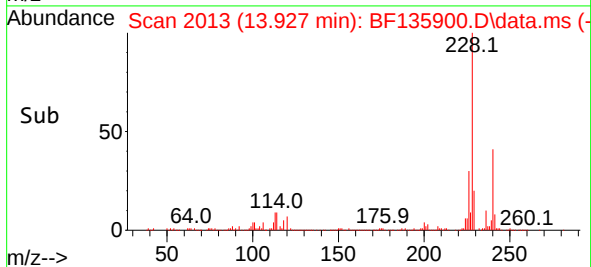
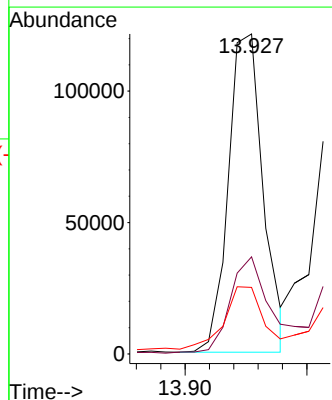
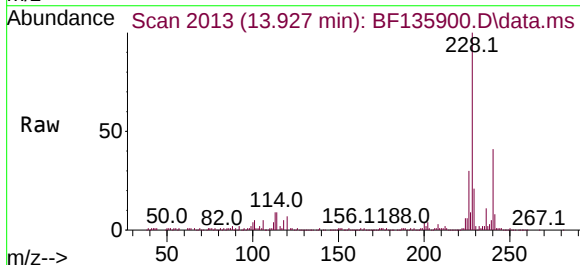
Instrument :
 BNA_F
 ClientSampleId :
 S-3(0-5)

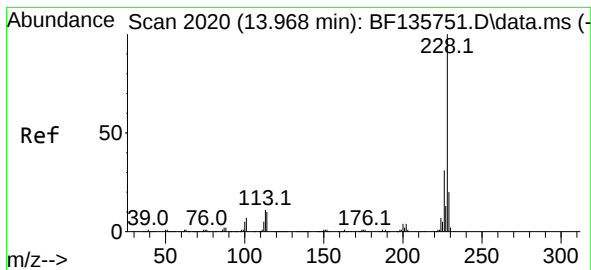
Tgt Ion:244 Resp: 381852
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.3 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 16.451 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135900.D
 Acq: 19 Oct 2023 22:23

Tgt Ion:228 Resp: 120473
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.2 33.2
 229 20.8 16.1 24.1





#83

Chrysene

Concen: 16.326 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

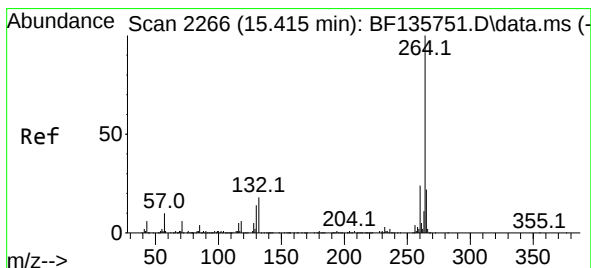
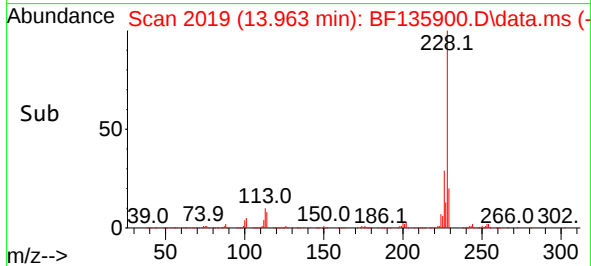
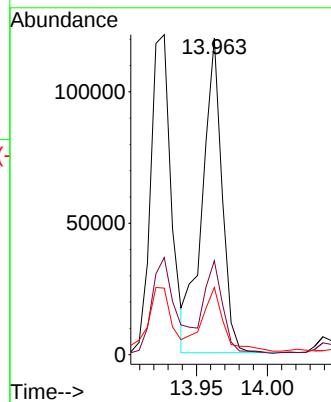
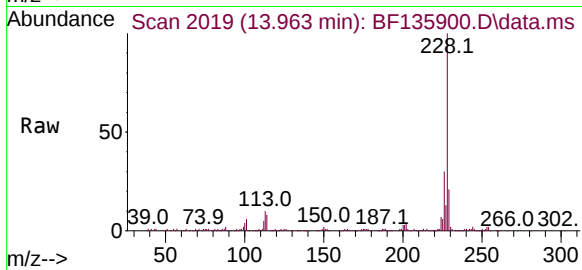
Tgt Ion:228 Resp: 115802

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

229 21.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

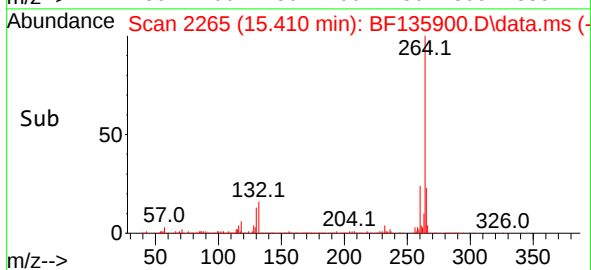
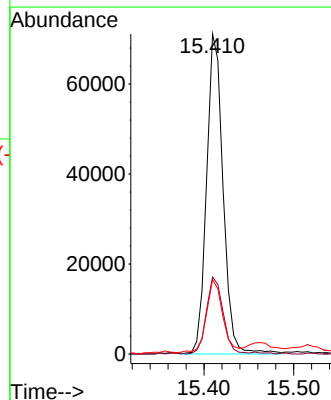
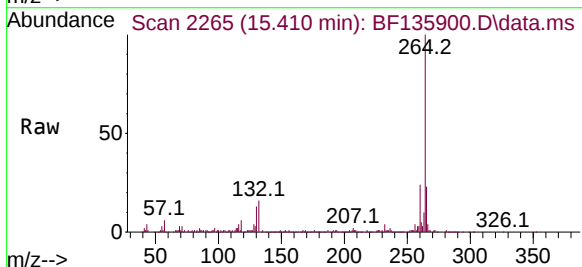
Tgt Ion:264 Resp: 90937

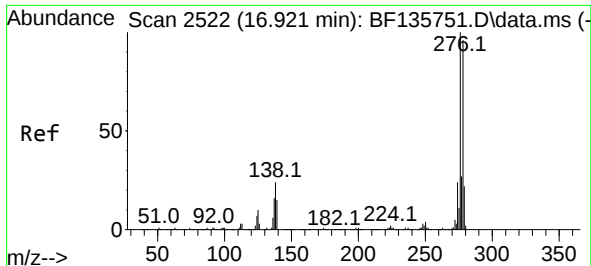
Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 23.3 17.4 26.2

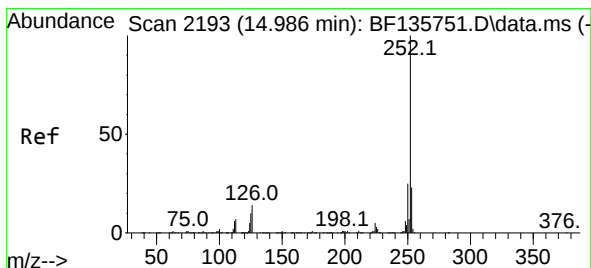
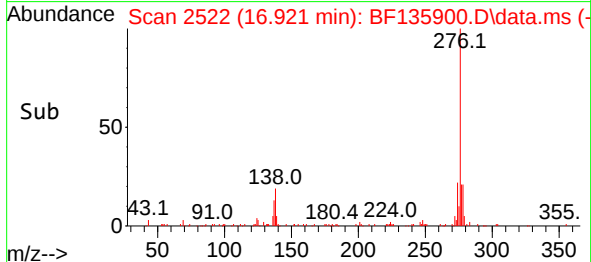
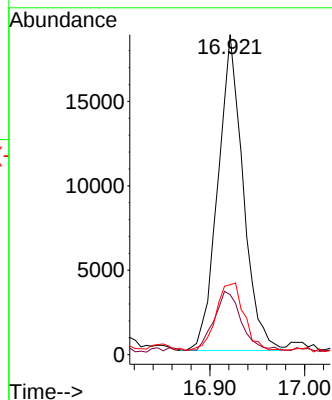
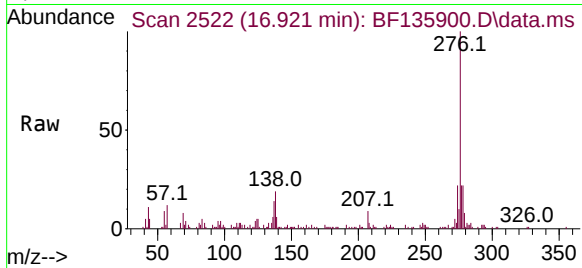




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.996 ng
RT: 16.921 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

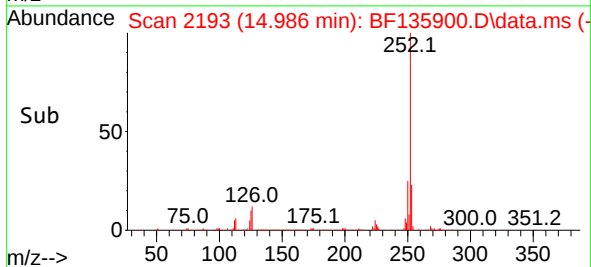
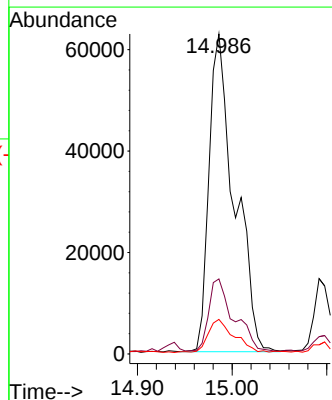
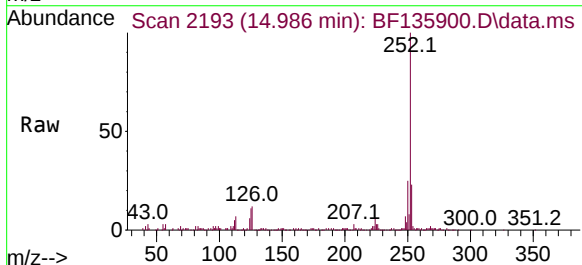
Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

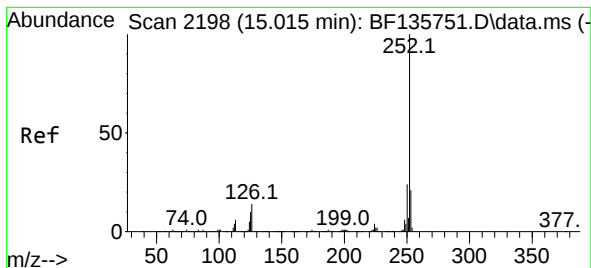
Tgt Ion:276 Resp: 34665
Ion Ratio Lower Upper
276 100
138 20.8 19.8 29.6
277 23.6 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 22.984 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:252 Resp: 116976
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 10.8 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 23.674 ng

RT: 14.986 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

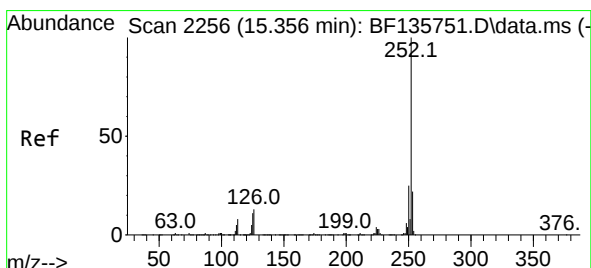
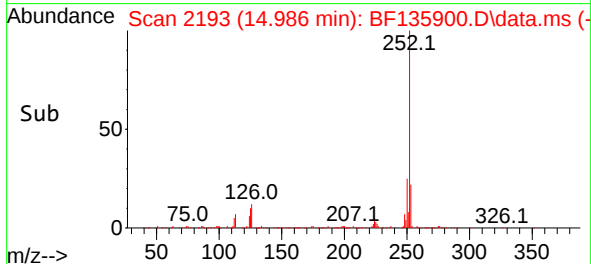
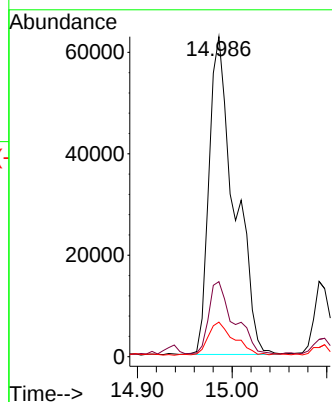
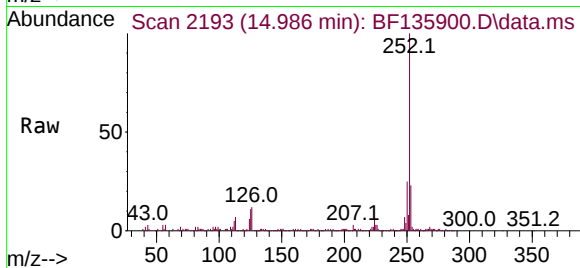
Tgt Ion:252 Resp: 116976

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 10.8 8.3 12.5



#90

Benzo(a)pyrene

Concen: 14.726 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

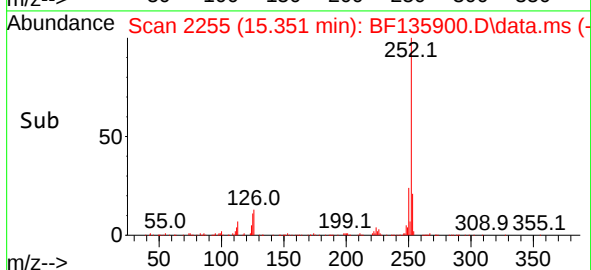
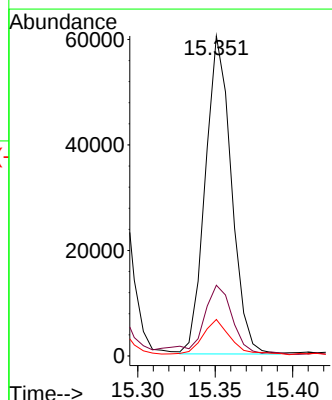
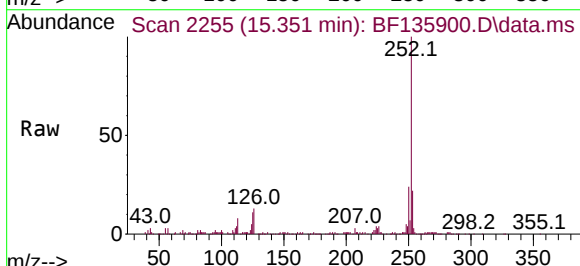
Tgt Ion:252 Resp: 70476

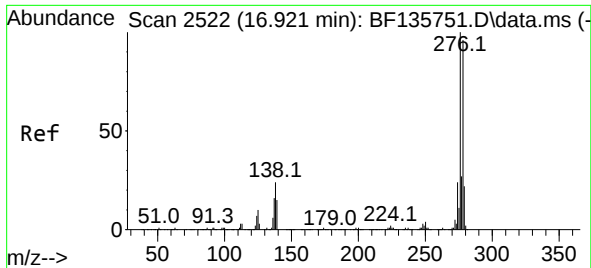
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 11.4 8.8 13.2

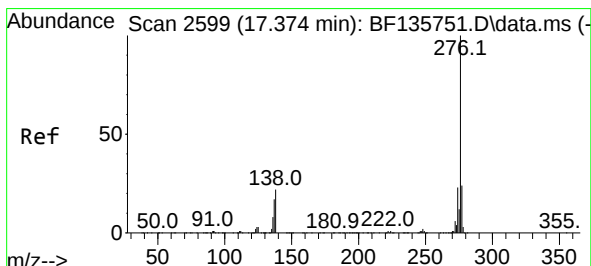
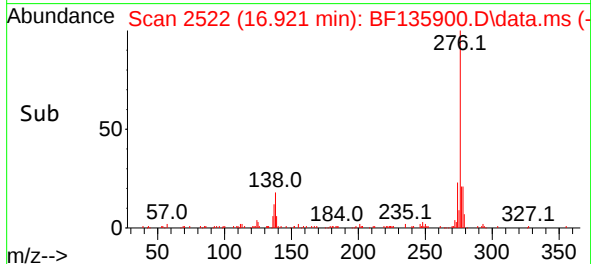
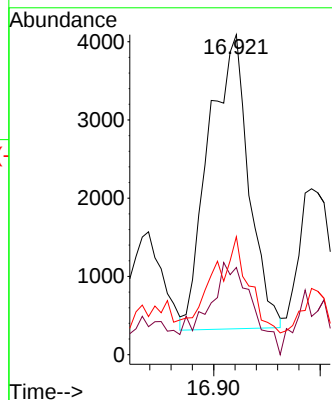
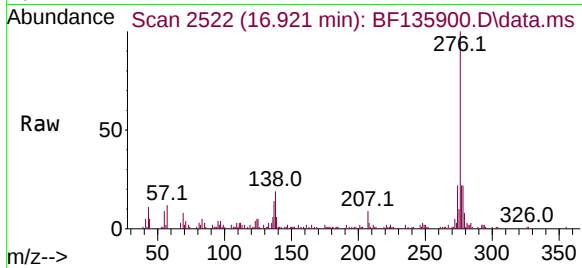




#91
Dibenzo(a,h)anthracene
Concen: 2.430 ng
RT: 16.921 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Tgt Ion:278 Resp: 9869
Ion Ratio Lower Upper
278 100
139 27.2 12.5 18.7#
279 36.9 18.6 27.8#



#92
Benzo(g,h,i)perylene
Concen: 8.199 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:276 Resp: 34211
Ion Ratio Lower Upper
276 100
277 23.2 19.4 29.2
138 18.4 17.3 25.9

