

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135742.D
 Acq On : 12 Oct 2023 19:04
 Operator : CG\JU
 Sample : 04657-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)

Quant Time: Oct 13 00:57:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

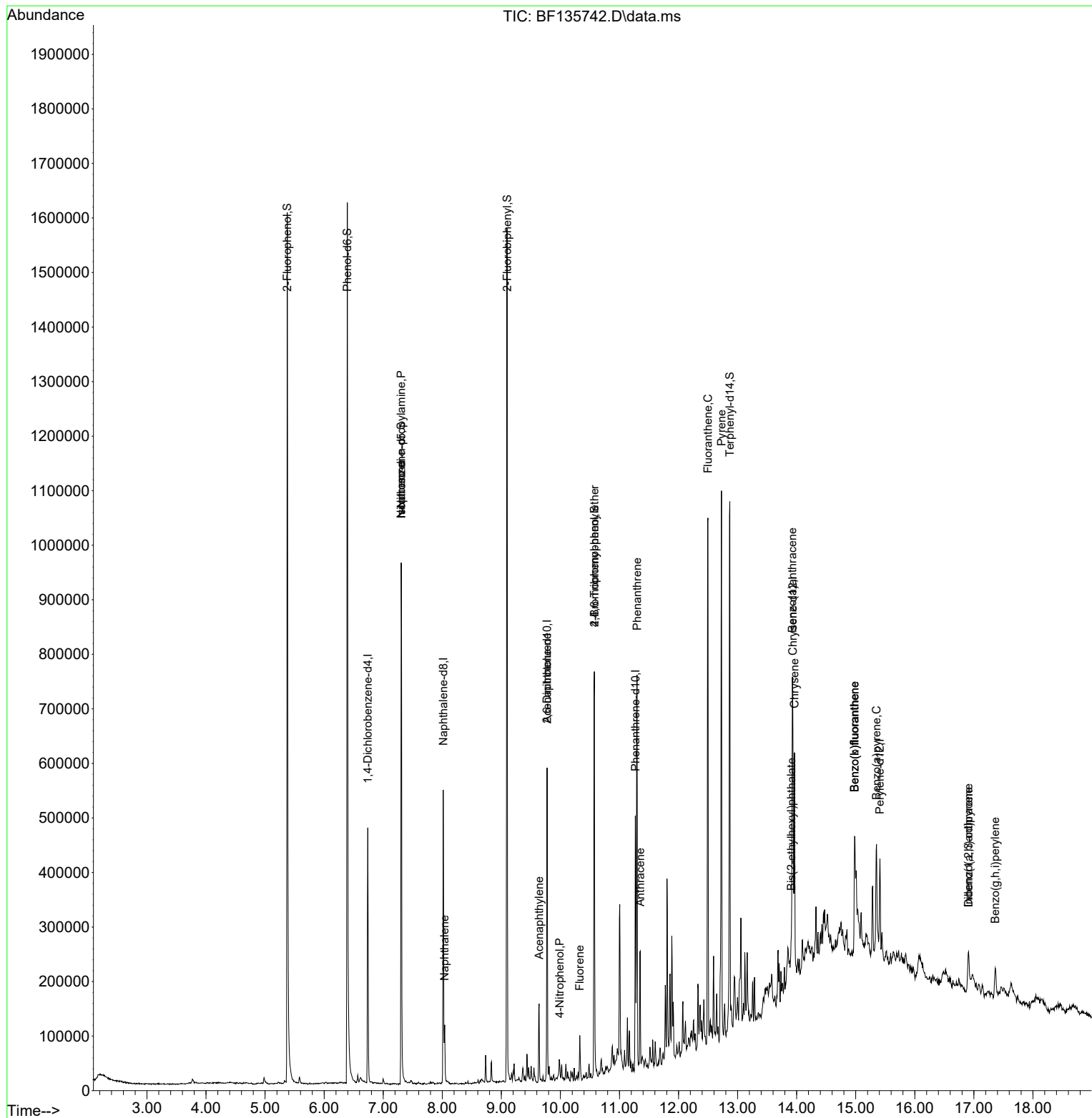
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	66967	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	220179	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	106765	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	169018	20.000	ng	0.00
76) Chrysene-d12	13.933	240	99298	20.000	ng	0.00
86) Perylene-d12	15.410	264	77248	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	432009	104.923	ng	0.00
7) Phenol-d6	6.393	99	521654	99.638	ng	0.00
23) Nitrobenzene-d5	7.304	82	294594	72.691	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	91780	86.504	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	510543	72.146	ng	0.00
79) Terphenyl-d14	12.869	244	361790	56.481	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	39782	12.268	ng	# 81
25) Isophorone	7.304	82	294594	39.587	ng	# 65
31) Naphthalene	8.040	128	40385	3.775	ng	98
49) Acenaphthylene	9.639	152	60443	6.109	ng	99
51) 2,6-Dinitrotoluene	9.775	165	13990	8.847	ng	# 17
56) 4-Nitrophenol	9.986	139	4239	3.593	ng	# 5
58) Fluorene	10.328	166	23171	3.380	ng	96
67) 4-Bromophenyl-phenylether	10.575	248	5364	3.191	ng	# 1
71) Phenanthrene	11.298	178	268997	33.651	ng	99
72) Anthracene	11.351	178	89319	10.870	ng	97
75) Fluoranthene	12.498	202	411494	49.402	ng	97
78) Pyrene	12.727	202	398269	42.127	ng	100
81) Benzo(a)anthracene	13.927	228	167621	26.142	ng	94
83) Chrysene	13.963	228	140261	22.002	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	11409	3.340	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.910	276	50350	9.941	ng	96
88) Benzo(b)fluoranthene	14.980	252	168085	40.195	ng	# 95
89) Benzo(k)fluoranthene	14.980	252	168085	40.691	ng	# 95
90) Benzo(a)pyrene	15.351	252	96742	24.259	ng	98
91) Dibenzo(a,h)anthracene	16.910	278	13041	3.147	ng	# 72
92) Benzo(g,h,i)perylene	17.362	276	48991	11.319	ng	97

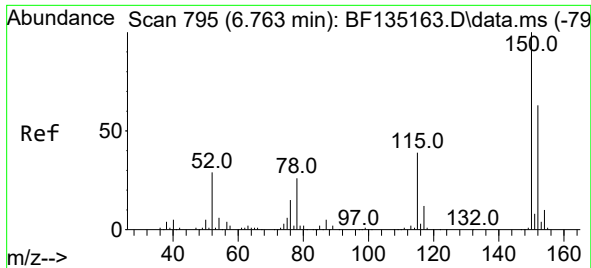
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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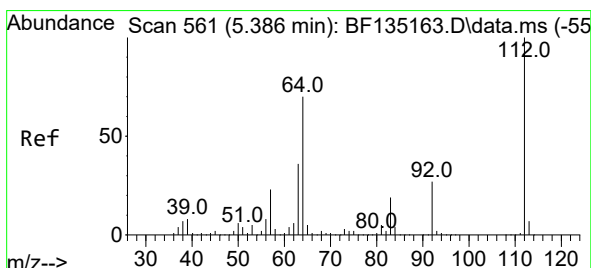
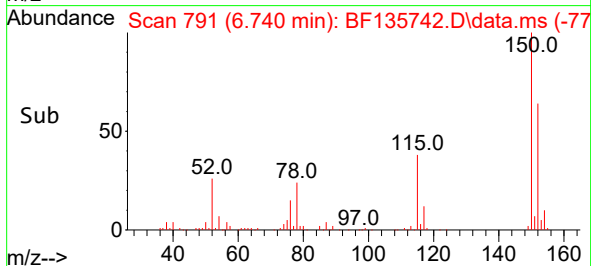
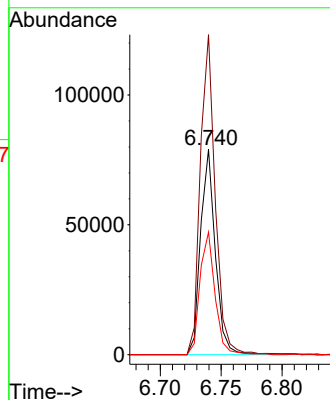
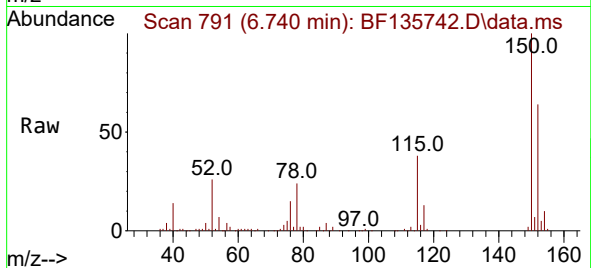




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

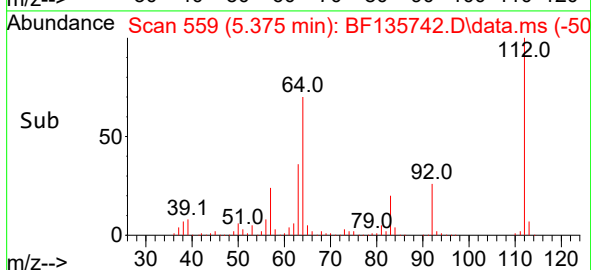
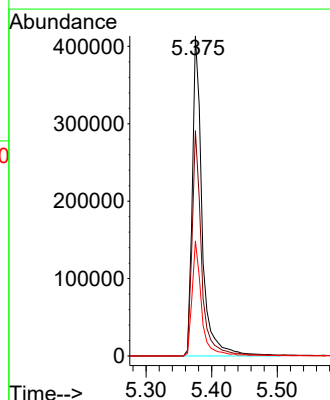
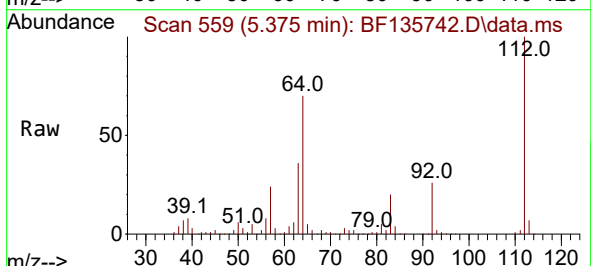
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

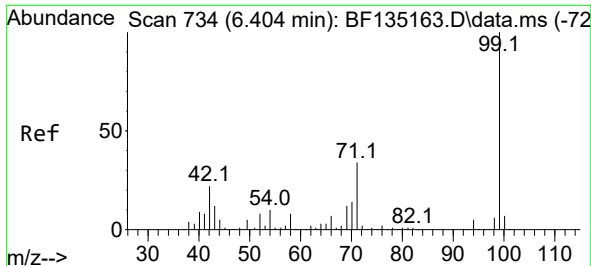
Tgt Ion:152 Resp: 66967
Ion Ratio Lower Upper
152 100
150 155.9 127.8 191.6
115 59.7 49.8 74.8



#5
2-Fluorophenol
Concen: 104.923 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:112 Resp: 432009
Ion Ratio Lower Upper
112 100
64 70.4 55.9 83.9
63 35.9 29.0 43.6

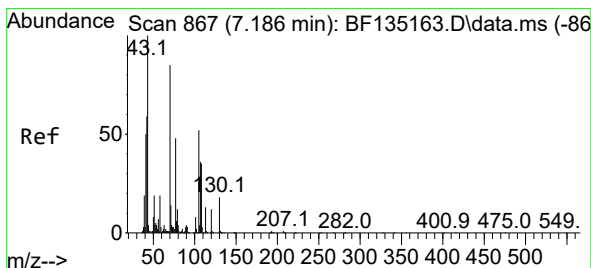
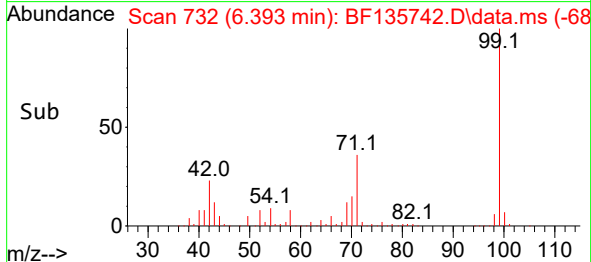
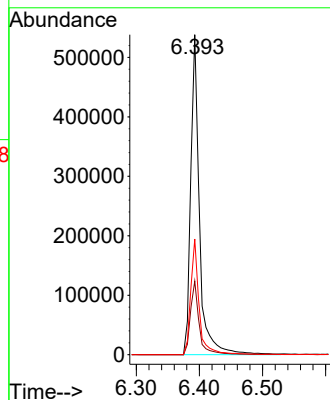
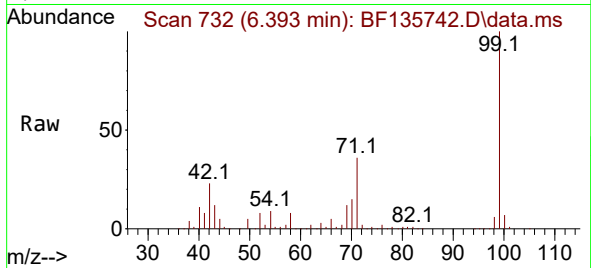




#7
Phenol-d6
Concen: 99.638 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

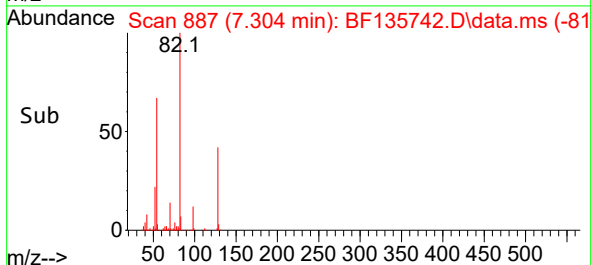
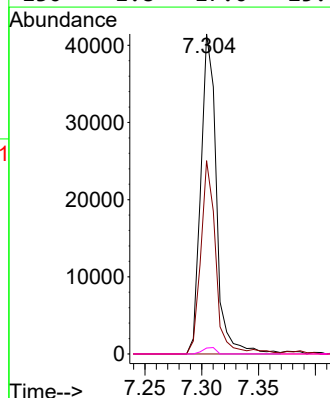
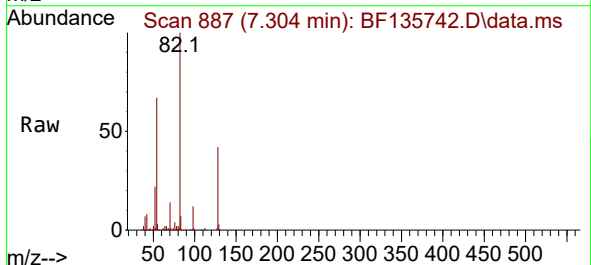
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

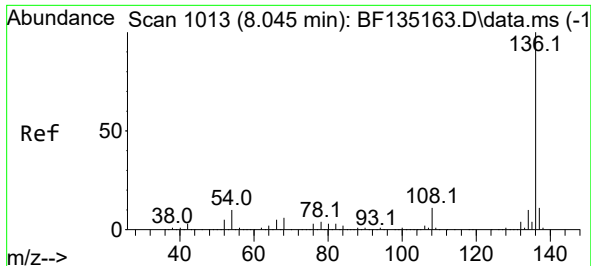
Tgt Ion: 99 Resp: 521654
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 36.2 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.268 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion: 70 Resp: 39782
Ion Ratio Lower Upper
70 100
42 60.4 55.4 83.0
101 0.0 7.7 11.5#
130 1.8 17.0 25.6#

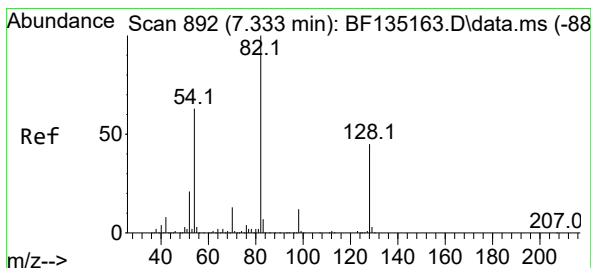
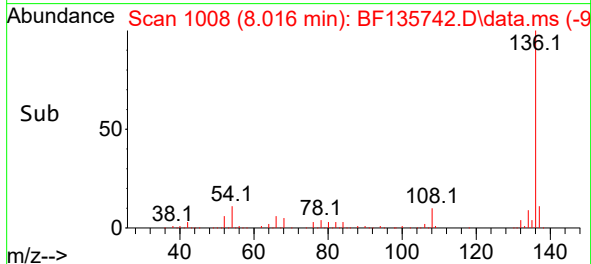
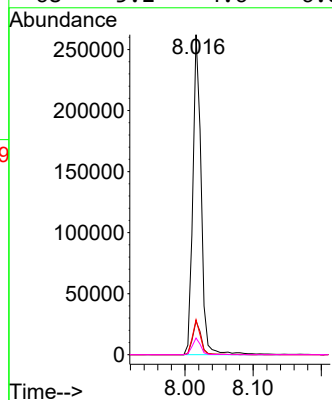
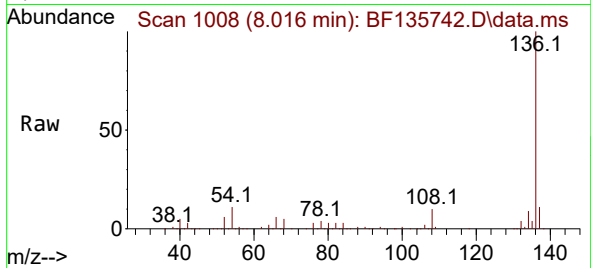




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

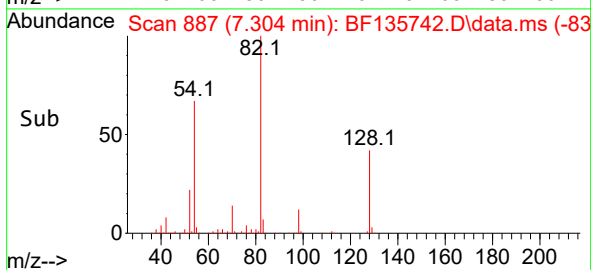
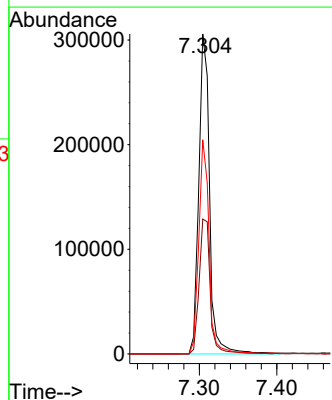
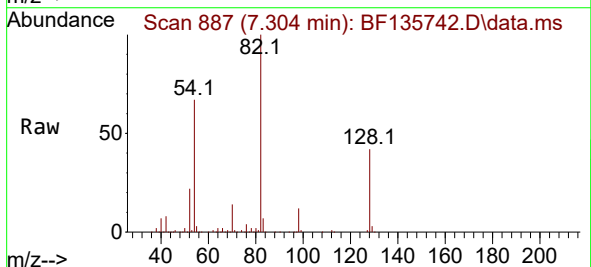
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

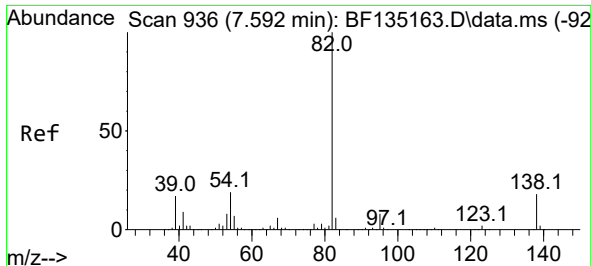
Tgt Ion:136 Resp: 220179
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 11.0 7.7 11.5
68 5.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 72.691 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion: 82 Resp: 294594
Ion Ratio Lower Upper
82 100
128 42.2 35.8 53.6
54 66.9 50.6 76.0

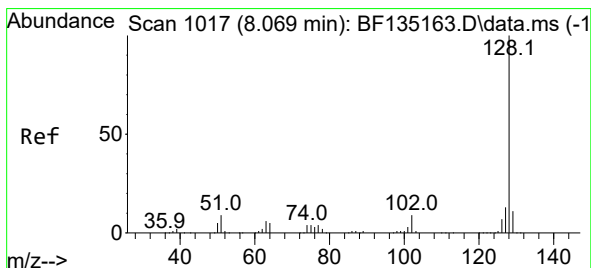
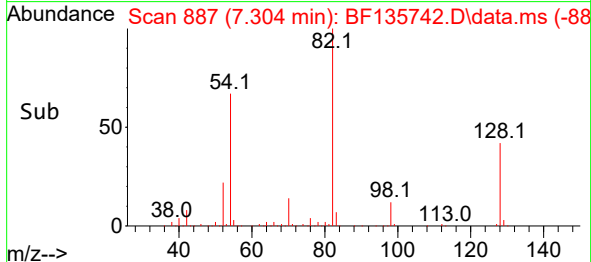
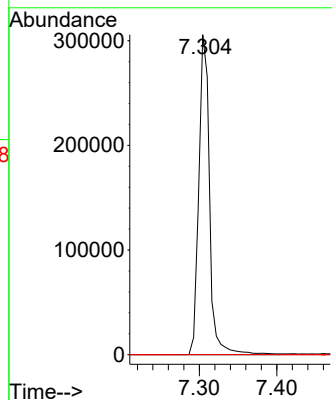
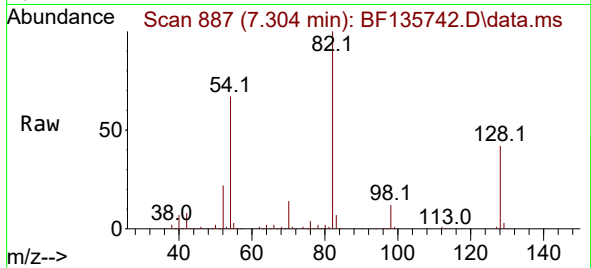




#25
Isophorone
Concen: 39.587 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

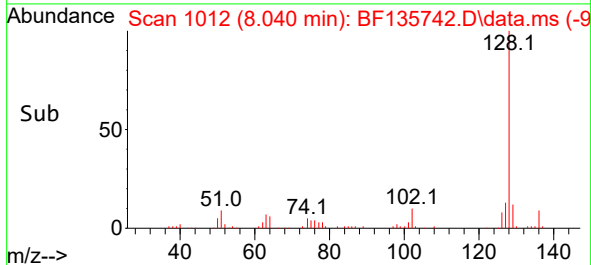
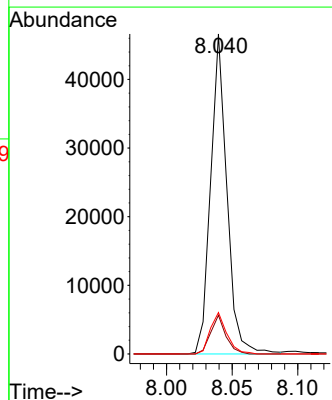
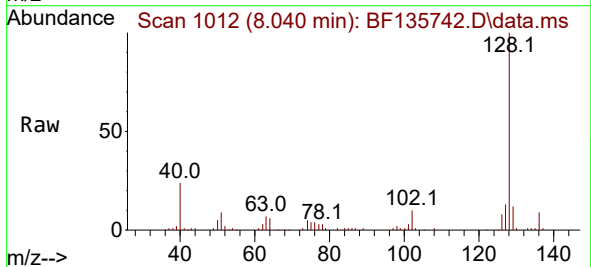
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

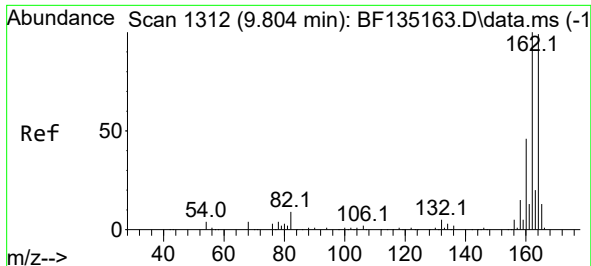
Tgt Ion: 82 Resp: 294594
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 3.775 ng
RT: 8.040 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion: 128 Resp: 40385
Ion Ratio Lower Upper
128 100
129 12.1 8.7 13.1
127 12.9 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

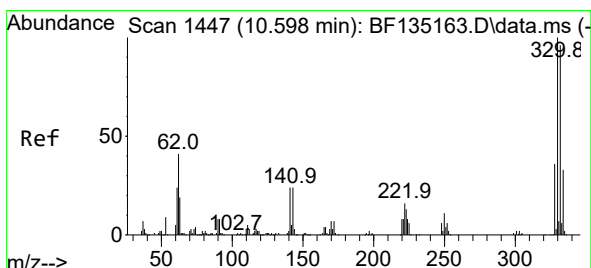
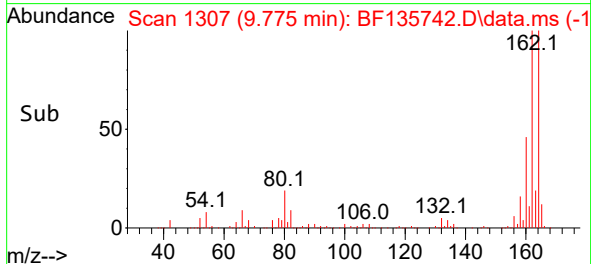
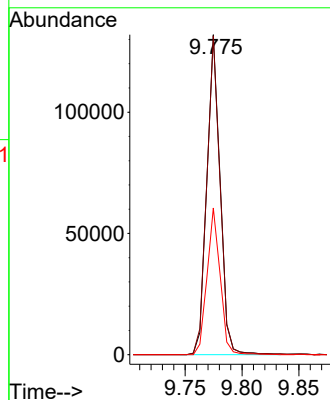
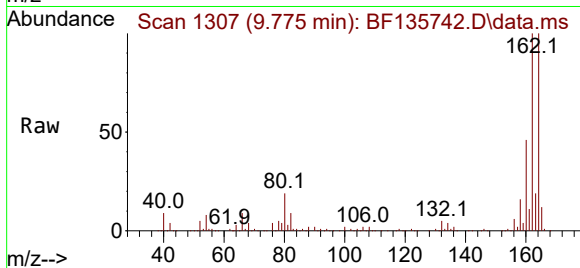
Tgt Ion:164 Resp: 106765

Ion Ratio Lower Upper

164 100

162 99.7 81.0 121.4

160 45.8 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 86.504 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

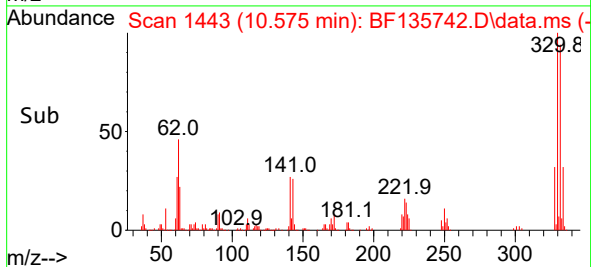
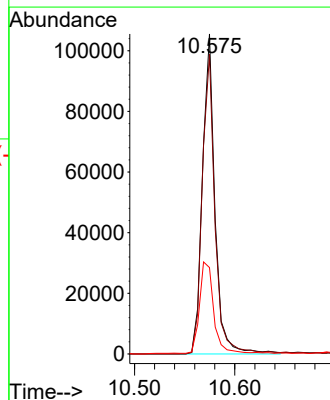
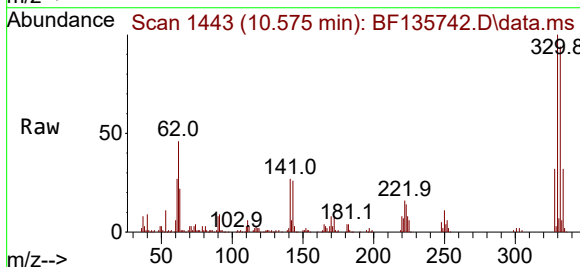
Tgt Ion:330 Resp: 91780

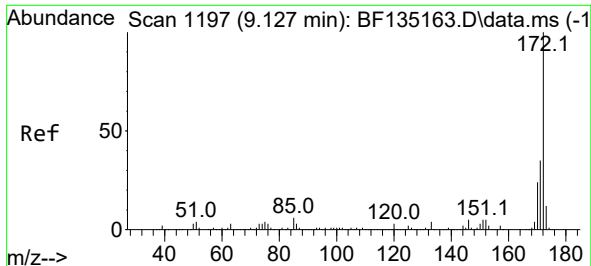
Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

141 34.4 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 72.146 ng

RT: 9.098 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

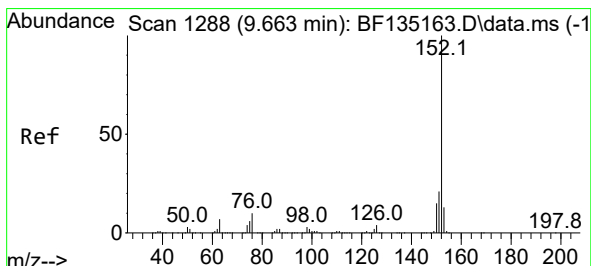
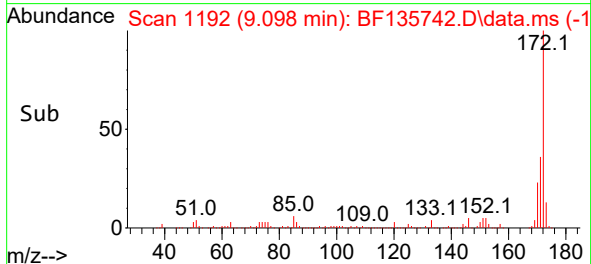
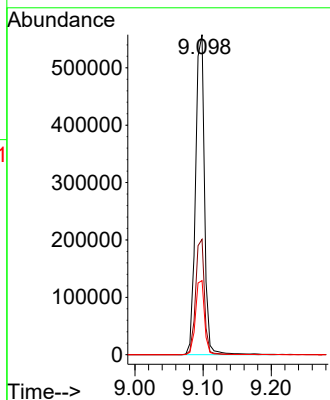
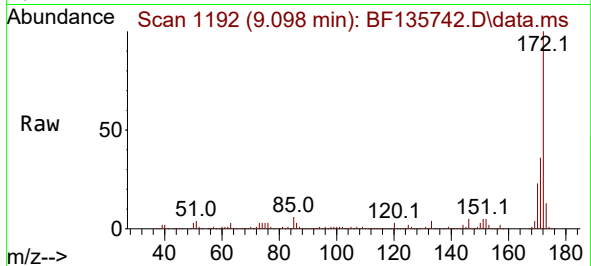
Tgt Ion:172 Resp: 510543

Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 23.1 19.0 28.4



#49

Acenaphthylene

Concen: 6.109 ng

RT: 9.639 min Scan# 1284

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

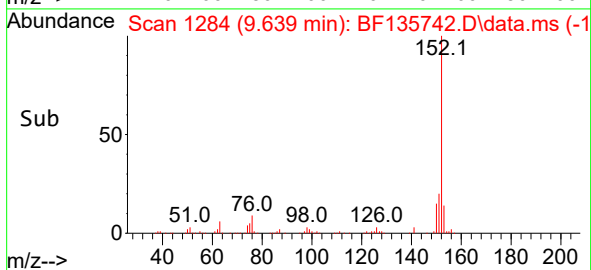
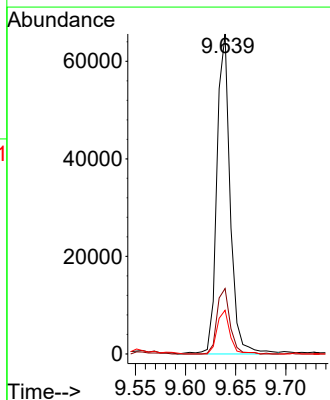
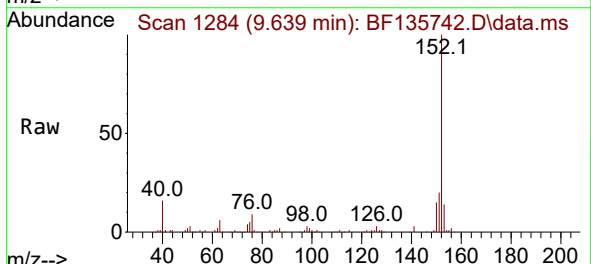
Tgt Ion:152 Resp: 60443

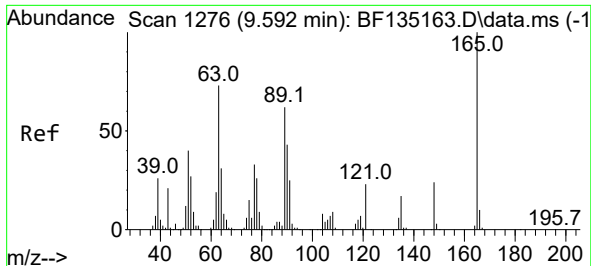
Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

153 13.6 10.4 15.6

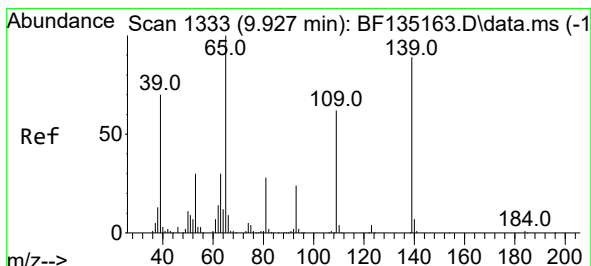
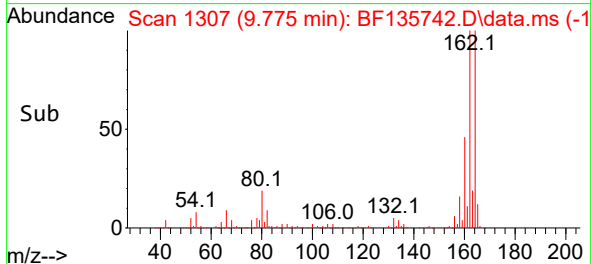
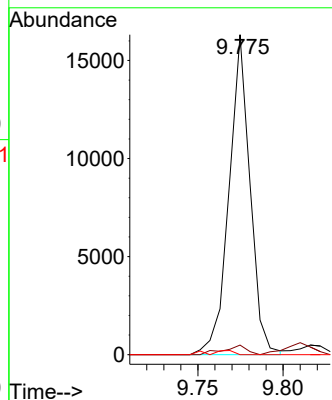
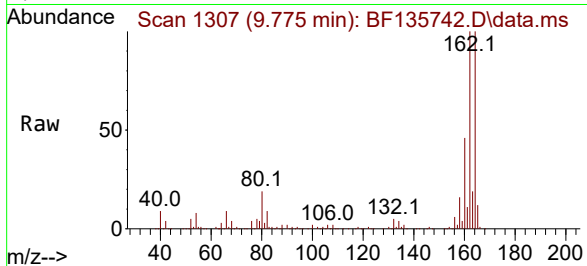




#51
2,6-Dinitrotoluene
Concen: 8.847 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

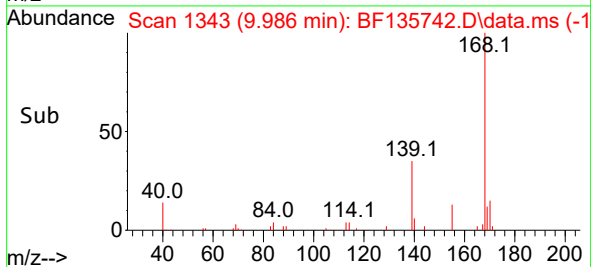
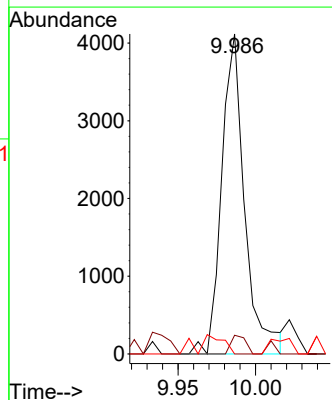
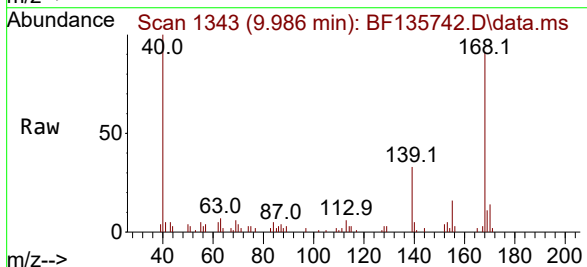
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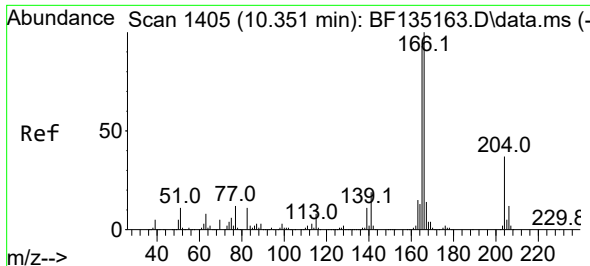
Tgt Ion:165 Resp: 13990
Ion Ratio Lower Upper
165 100
63 3.0 59.4 89.2#
89 0.0 49.8 74.8#



#56
4-Nitrophenol
Concen: 3.593 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.047 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:139 Resp: 4239
Ion Ratio Lower Upper
139 100
109 5.8 49.8 89.8#
65 0.0 92.7 132.7#

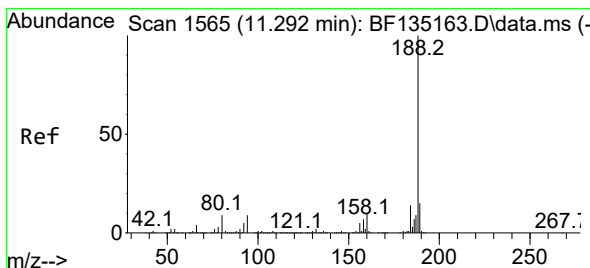
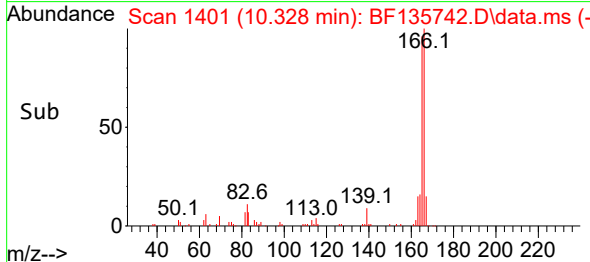
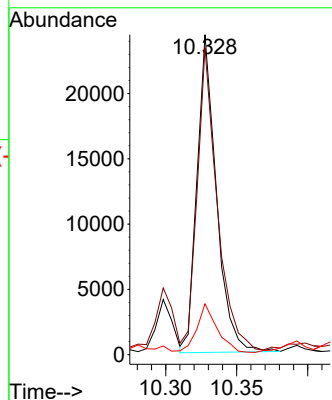
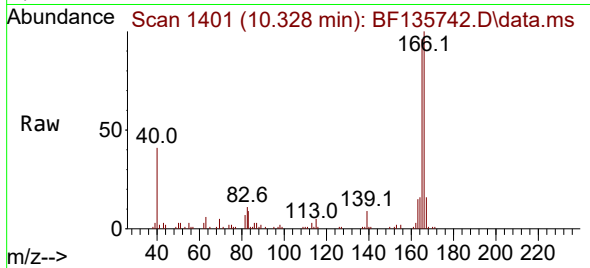




#58
Fluorene
Concen: 3.380 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

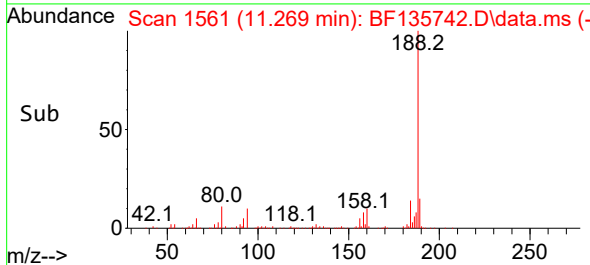
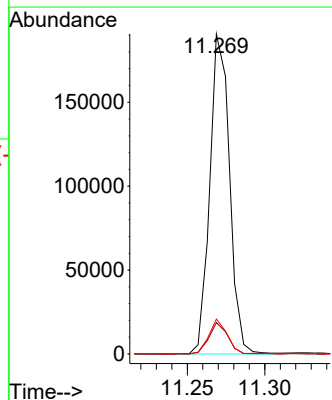
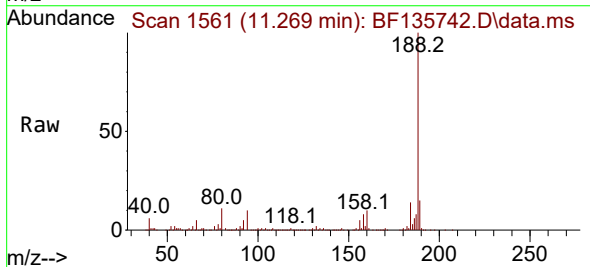
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

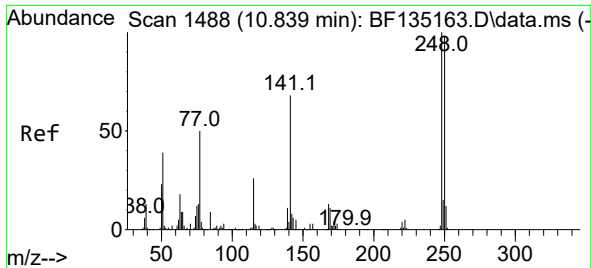
Tgt Ion:166 Resp: 23171
Ion Ratio Lower Upper
166 100
165 96.0 74.3 111.5
167 15.9 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:188 Resp: 169018
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.9 7.5 11.3

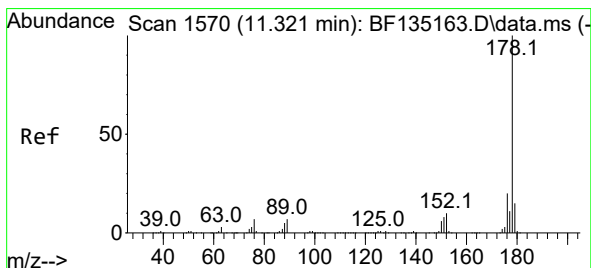
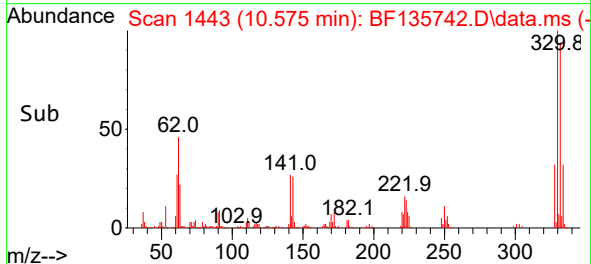
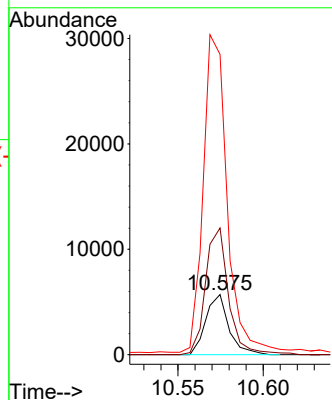
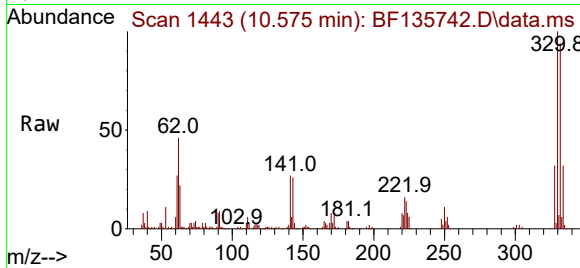




#67
4-Bromophenyl-phenylether
Concen: 3.191 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

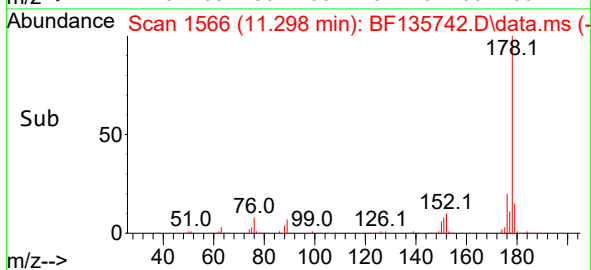
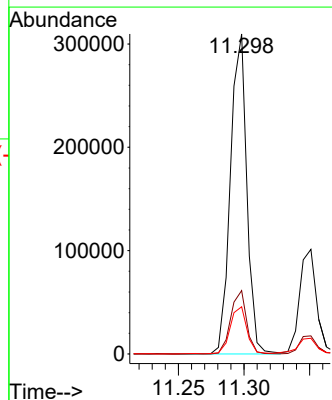
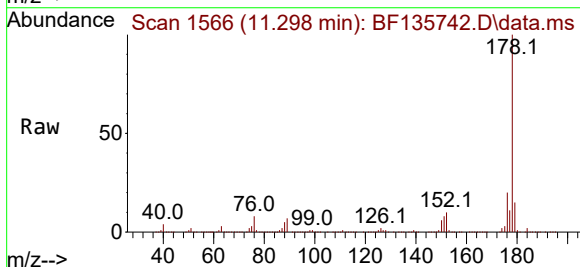
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

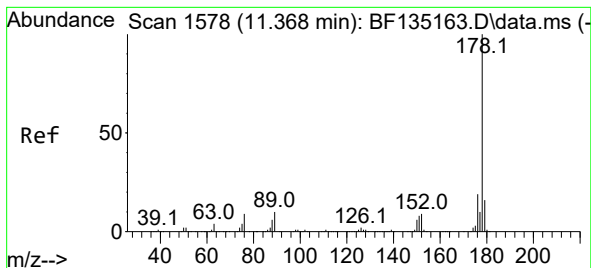
Tgt Ion:248 Resp: 5364
Ion Ratio Lower Upper
248 100
250 210.9 78.6 117.8#
141 499.7 54.2 81.2#



#71
Phenanthrene
Concen: 33.651 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:178 Resp: 268997
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 14.7 12.0 18.0





#72

Anthracene

Concen: 10.870 ng

RT: 11.351 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

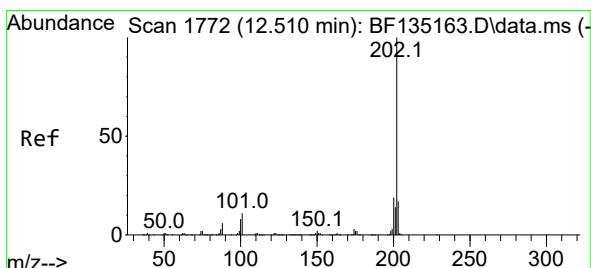
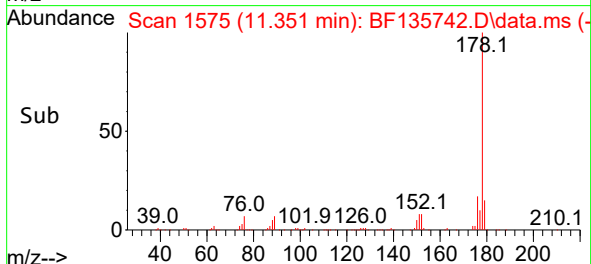
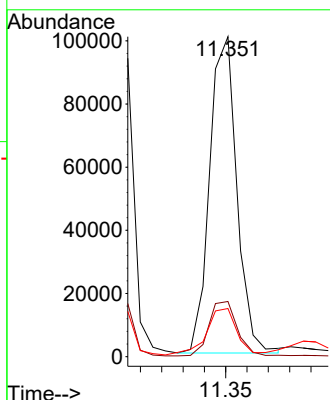
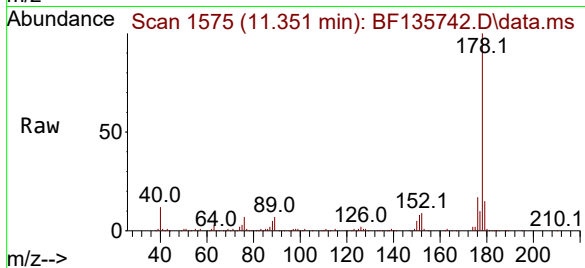
Tgt Ion:178 Resp: 89319

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.2

179 15.0 12.6 19.0



#75

Fluoranthene

Concen: 49.402 ng

RT: 12.498 min Scan# 1770

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

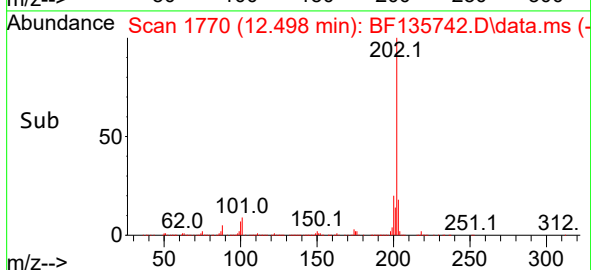
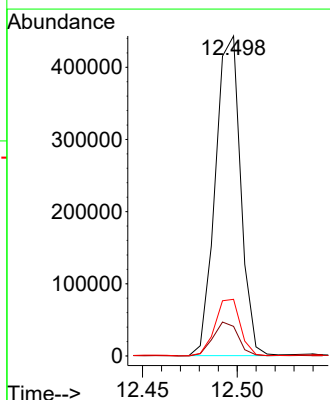
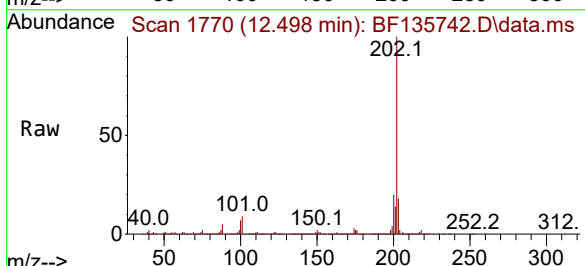
Tgt Ion:202 Resp: 411494

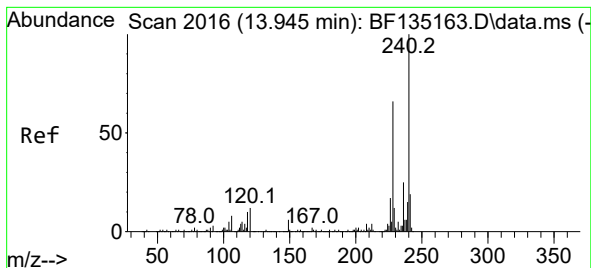
Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.3

203 17.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

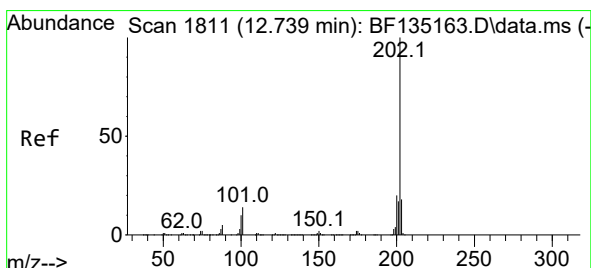
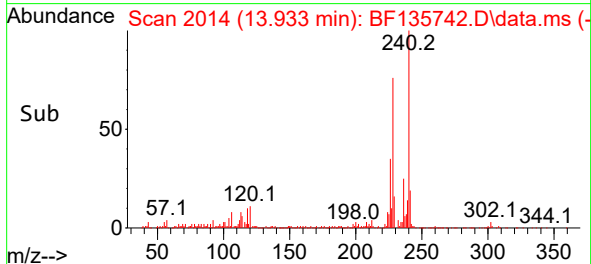
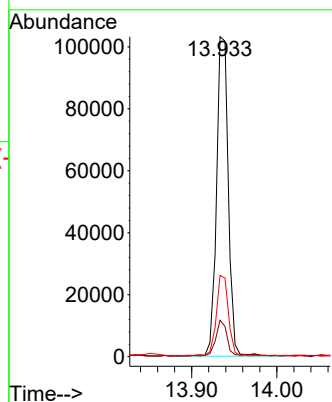
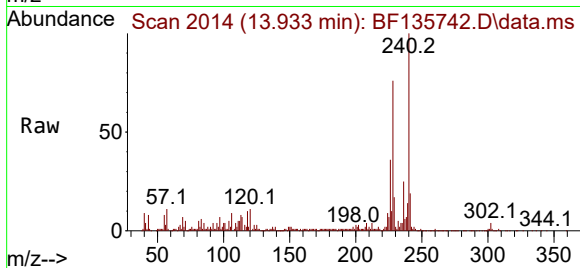
Tgt Ion:240 Resp: 99298

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 25.4 19.8 29.8



#78

Pyrene

Concen: 42.127 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

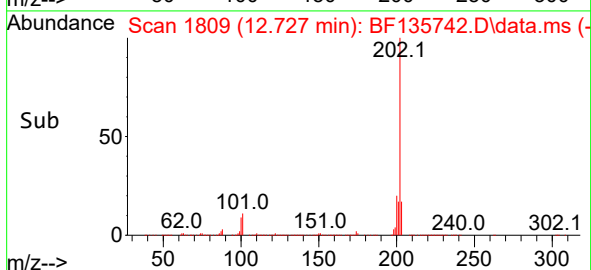
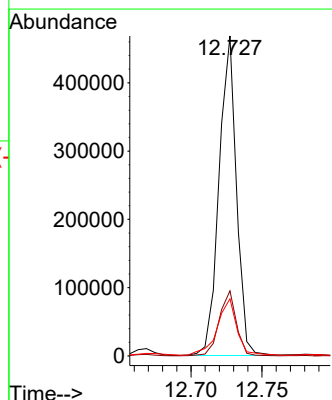
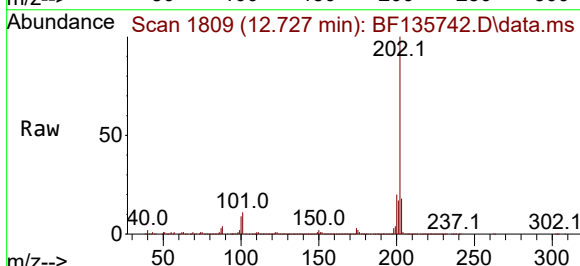
Tgt Ion:202 Resp: 398269

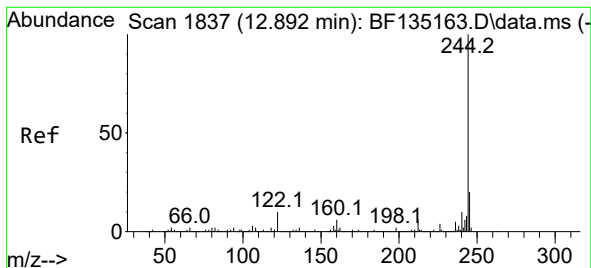
Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 56.481 ng

RT: 12.869 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

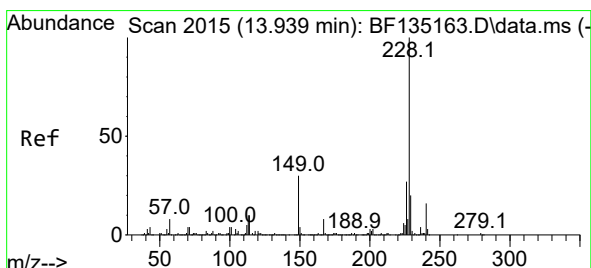
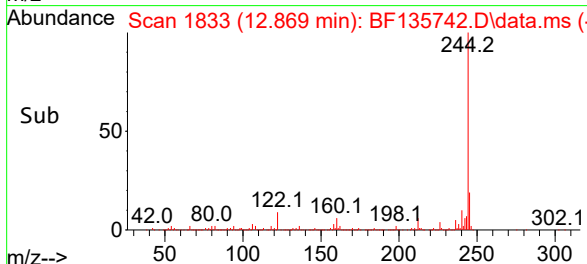
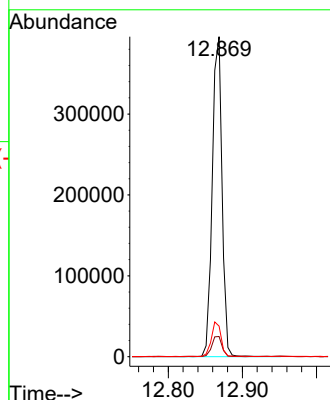
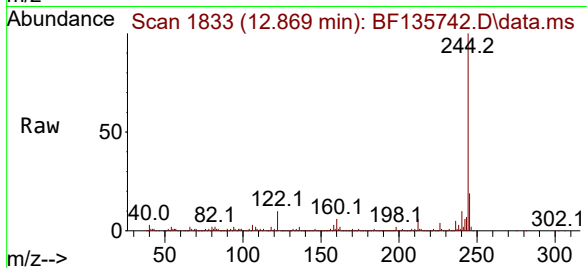
Tgt Ion:244 Resp: 361790

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 9.5 7.9 11.9



#81

Benzo(a)anthracene

Concen: 26.142 ng

RT: 13.927 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

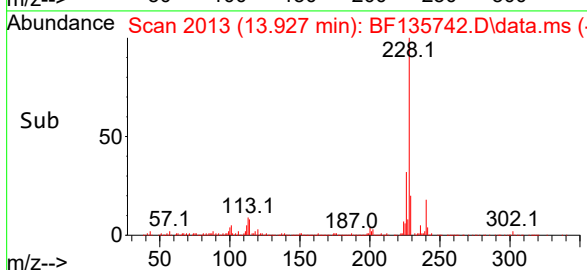
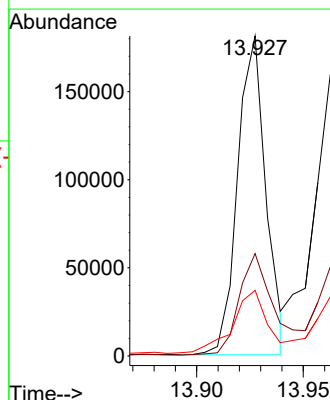
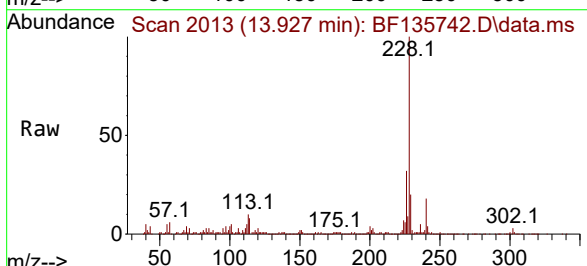
Tgt Ion:228 Resp: 167621

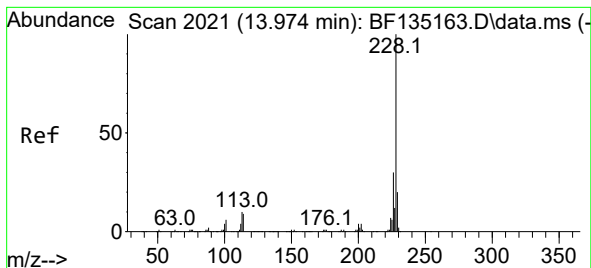
Ion Ratio Lower Upper

228 100

226 32.0 21.7 32.5

229 20.5 15.8 23.8





#83

Chrysene

Concen: 22.002 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

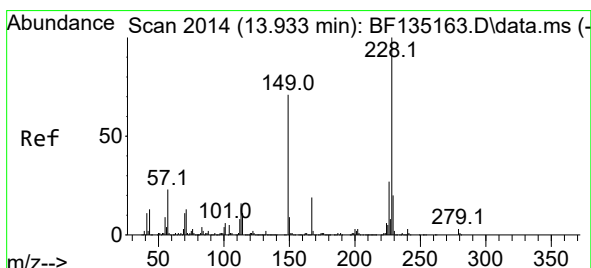
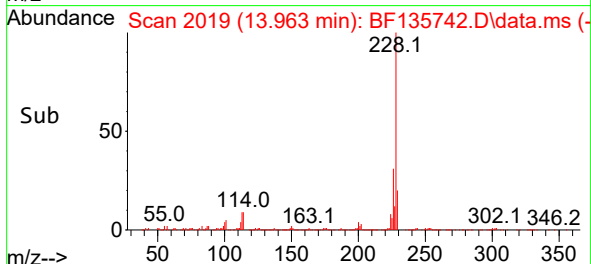
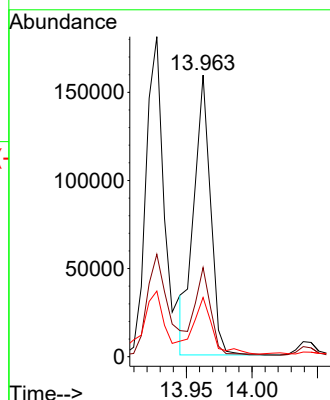
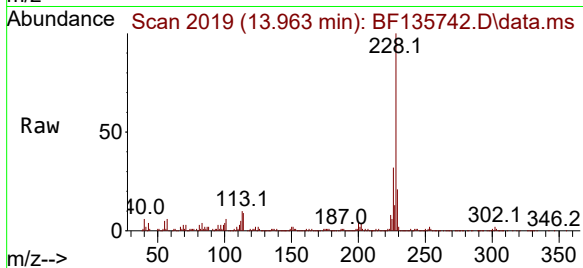
Tgt Ion:228 Resp: 140261

Ion Ratio Lower Upper

228 100

226 31.6 24.3 36.5

229 21.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.340 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

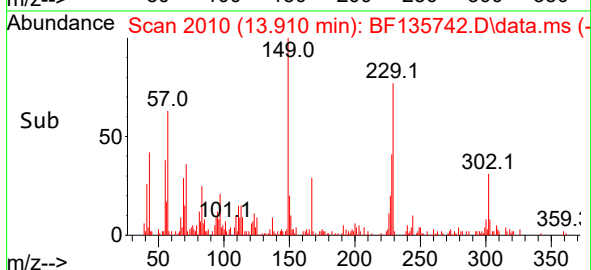
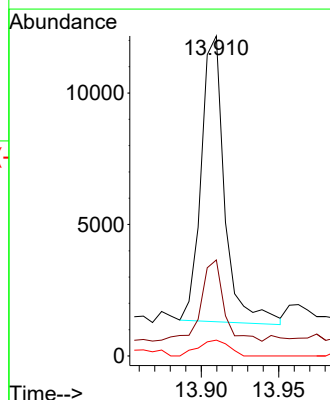
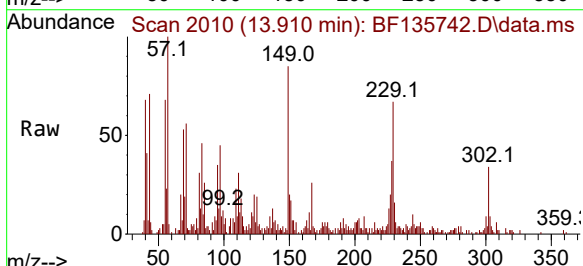
Tgt Ion:149 Resp: 11409

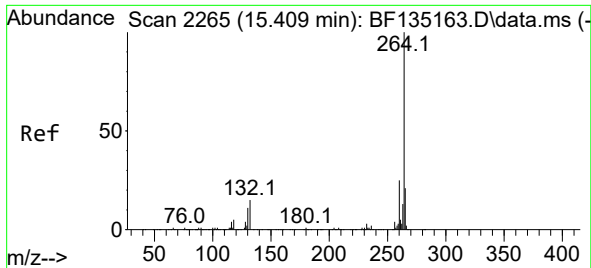
Ion Ratio Lower Upper

149 100

167 30.0 21.9 32.9

279 4.9 3.3 4.9#



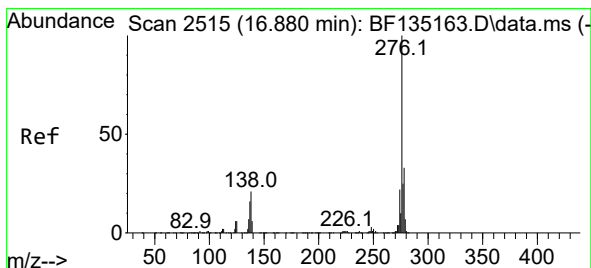
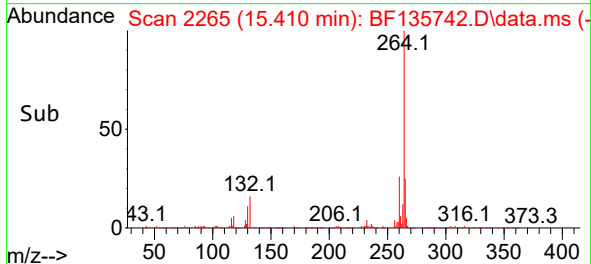
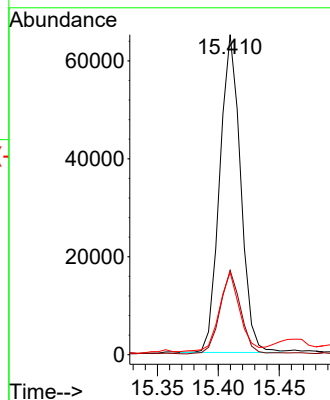
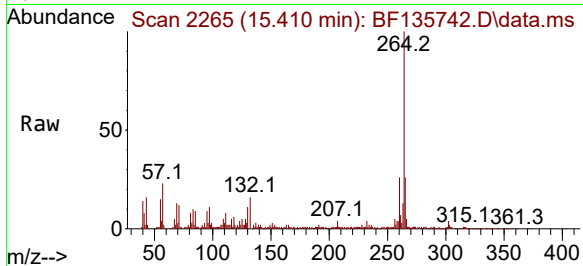


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

Tgt Ion:264 Resp: 77248

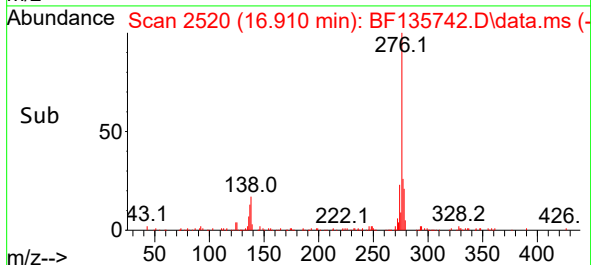
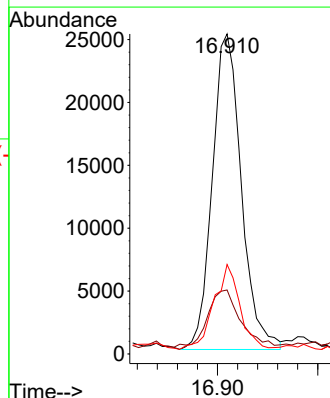
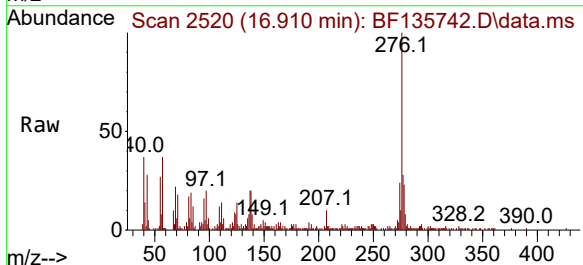
Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.8	29.6
265	25.7	17.0	25.4

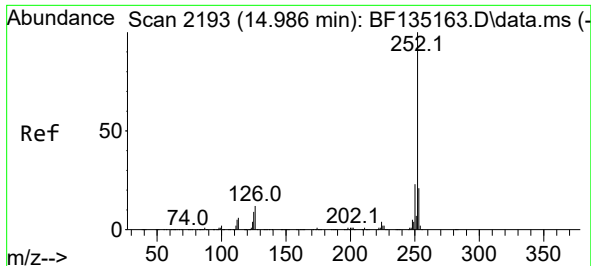


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.941 ng
RT: 16.910 min Scan# 2520
Delta R.T. 0.006 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:276 Resp: 50350

Ion	Ratio	Lower	Upper
276	100		
138	20.4	19.2	28.8
277	24.1	19.7	29.5

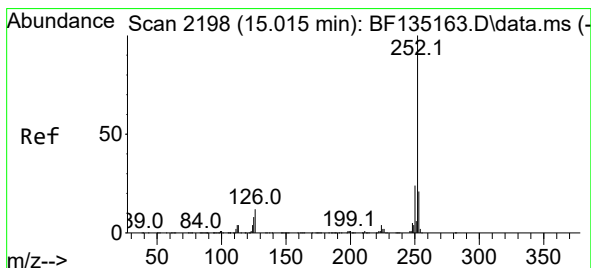
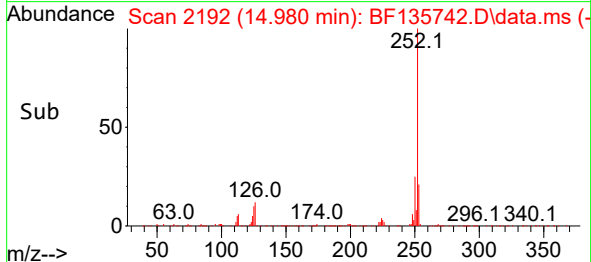
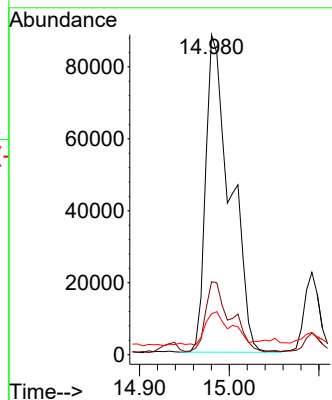
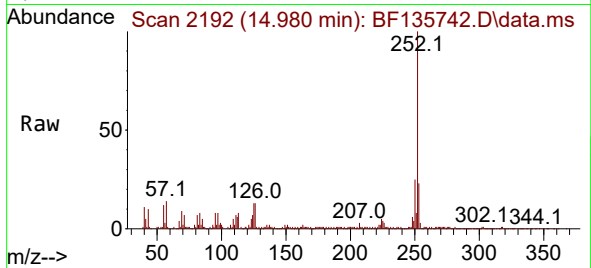




#88
Benzo(b)fluoranthene
Concen: 40.195 ng
RT: 14.980 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

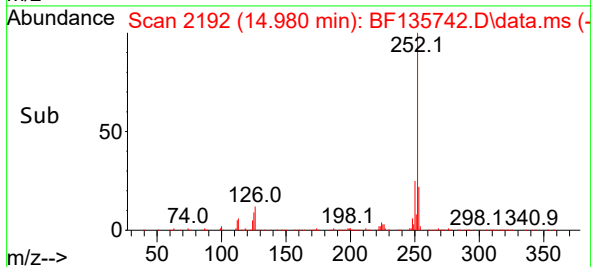
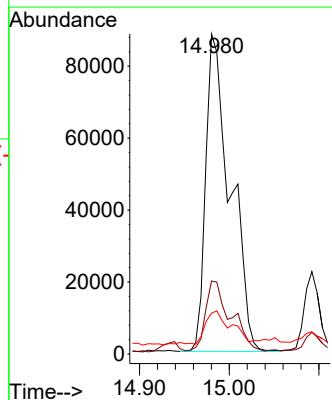
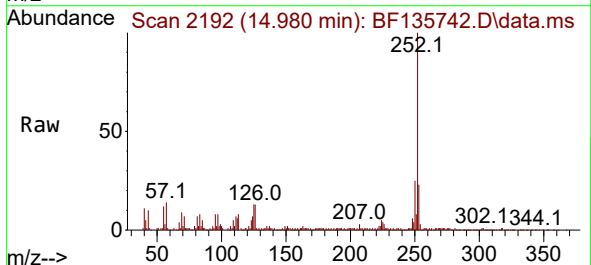
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)

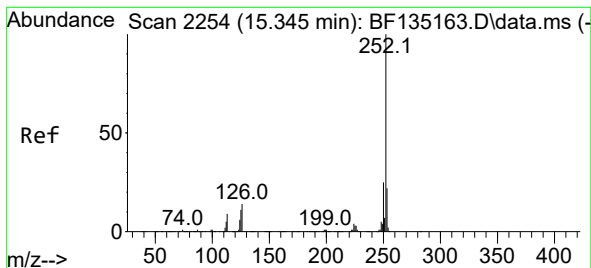
Tgt Ion:252 Resp: 168085
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 12.8 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 40.691 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.023 min
Lab File: BF135742.D
Acq: 12 Oct 2023 19:04

Tgt Ion:252 Resp: 168085
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 24.259 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)

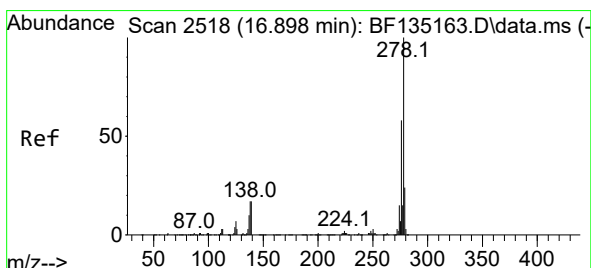
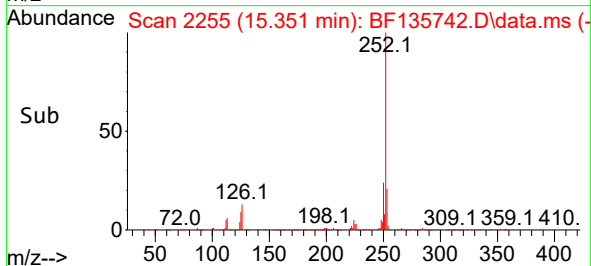
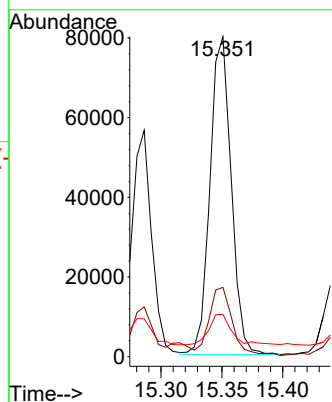
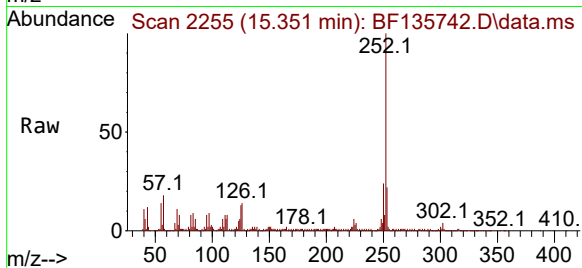
Tgt Ion:252 Resp: 96742

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 13.3 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 3.147 ng

RT: 16.910 min Scan# 2520

Delta R.T. 0.000 min

Lab File: BF135742.D

Acq: 12 Oct 2023 19:04

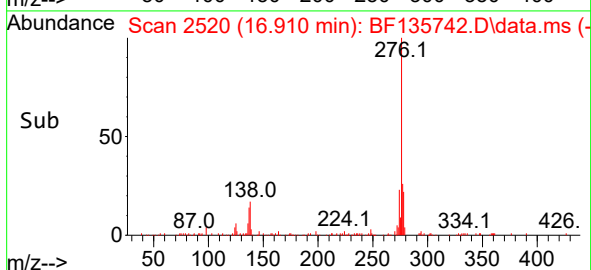
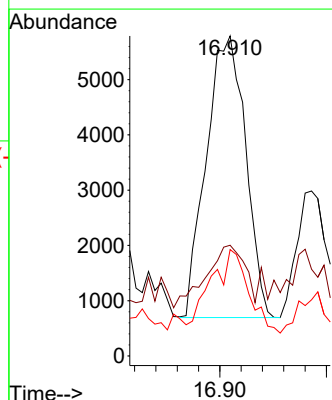
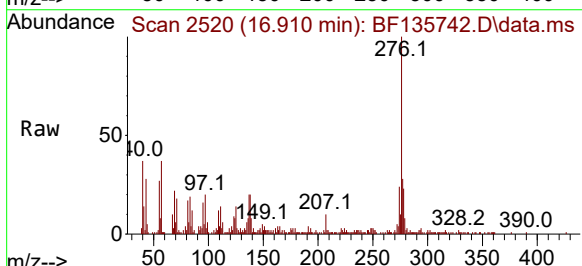
Tgt Ion:278 Resp: 13041

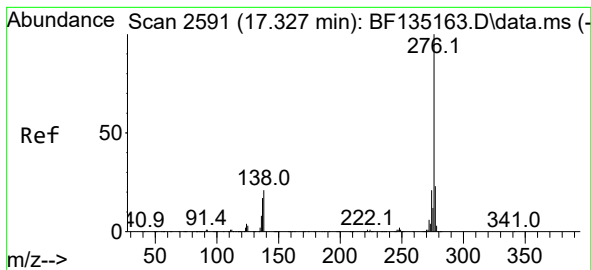
Ion Ratio Lower Upper

278 100

139 34.6 13.4 20.0#

279 33.2 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 11.319 ng

RT: 17.362 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135742.D

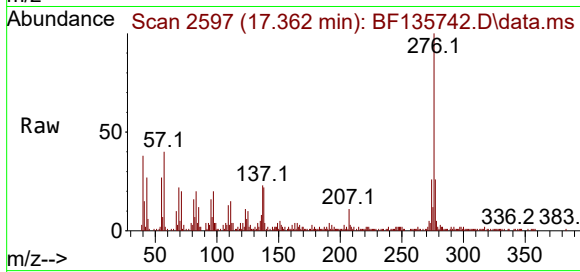
Acq: 12 Oct 2023 19:04

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)



Tgt Ion:276 Resp: 48991

Ion Ratio Lower Upper

276 100

277 25.7 18.8 28.2

138 22.0 16.9 25.3

