

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135829.D
 Acq On : 18 Oct 2023 00:06
 Operator : CG\JU
 Sample : 04657-05DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 18 02:04:42 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)

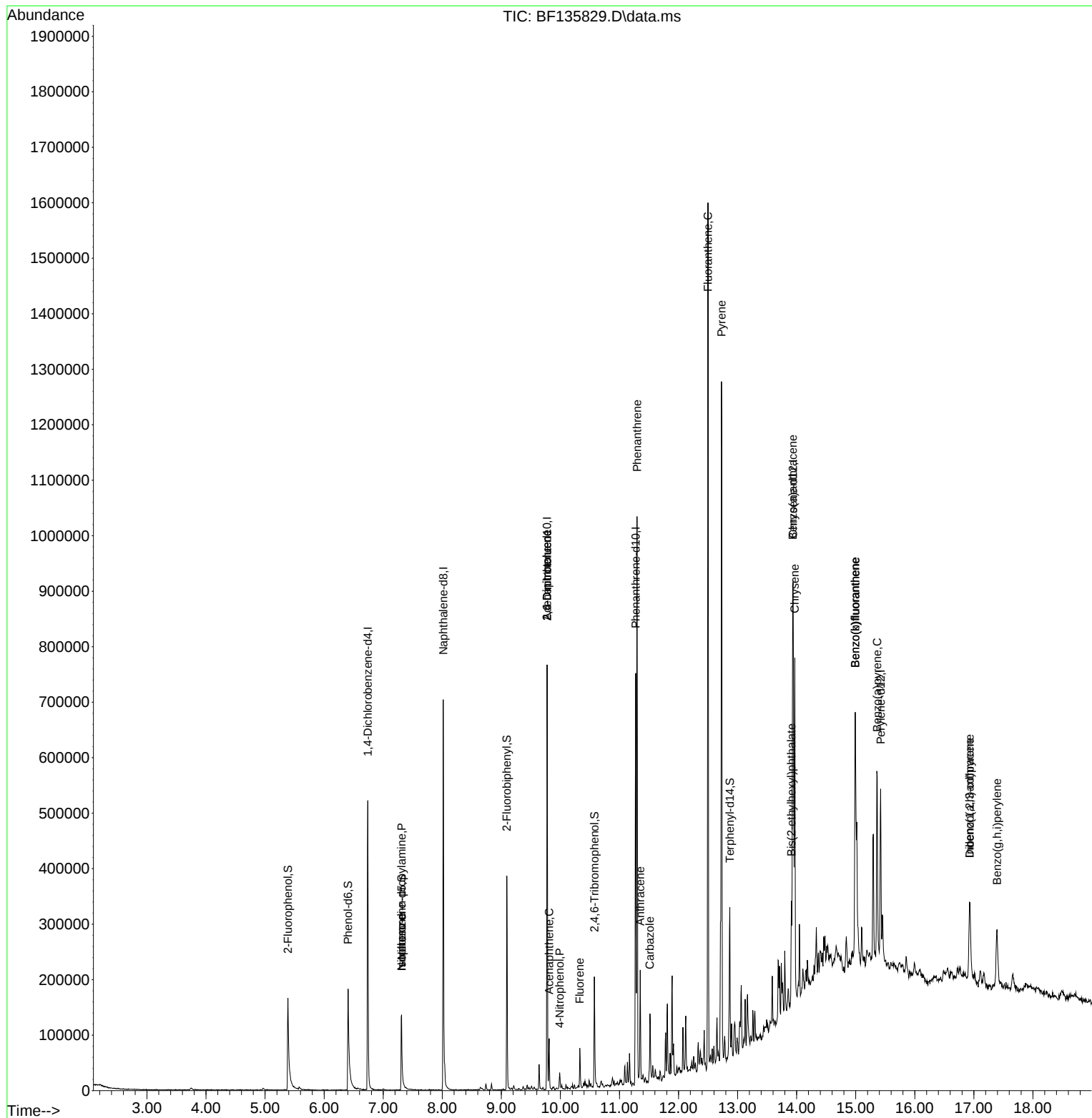
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	81056	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	295166	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	138939	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	255991	20.000	ng	0.00
76) Chrysene-d12	13.939	240	170989	20.000	ng	-0.01
86) Perylene-d12	15.421	264	150266	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	79426	15.754	ng	0.01
7) Phenol-d6	6.404	99	101778	16.180	ng	0.00
23) Nitrobenzene-d5	7.310	82	60788	11.327	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	22573	16.931	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	115648	13.014	ng	-0.01
79) Terphenyl-d14	12.869	244	92038	9.968	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	7789	2.003	ng	# 76
25) Isophorone	7.310	82	60788	6.004	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	18035	8.942	ng	# 16
52) Acenaphthene	9.810	154	18467	2.427	ng	98
56) 4-Nitrophenol	9.986	139	4800	9.439	ng	# 5
57) 2,4-Dinitrotoluene	9.775	165	18035	7.028	ng	# 23
58) Fluorene	10.328	166	21664	2.411	ng	98
71) Phenanthrene	11.298	178	356236	29.049	ng	100
72) Anthracene	11.351	178	75695	5.957	ng	99
73) Carbazole	11.516	167	48876	4.124	ng	98
75) Fluoranthene	12.498	202	599285	44.031	ng	98
78) Pyrene	12.727	202	545626	40.156	ng	99
81) Benzo(a)anthracene	13.933	228	247617	22.047	ng	98
83) Chrysene	13.969	228	234166	21.526	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	39072	4.828	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.927	276	104590	12.774	ng	# 93
88) Benzo(b)fluoranthene	14.992	252	335802	39.930	ng	99
89) Benzo(k)fluoranthene	14.992	252	335802	41.128	ng	99
90) Benzo(a)pyrene	15.363	252	174877	22.114	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	24045	3.582	ng	# 81
92) Benzo(g,h,i)perylene	17.392	276	97543	14.148	ng	93

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

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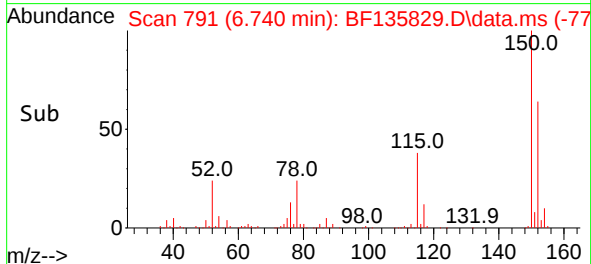
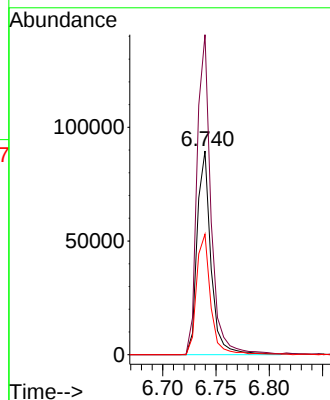
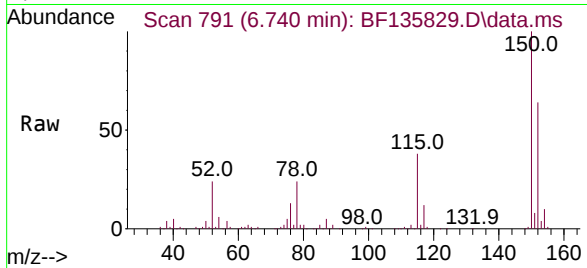




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

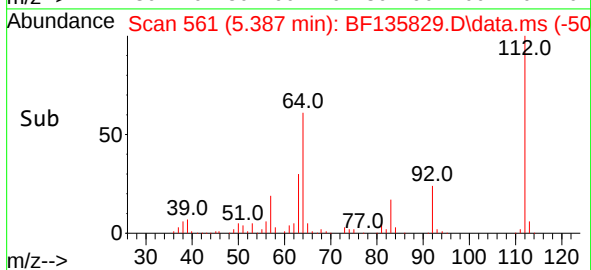
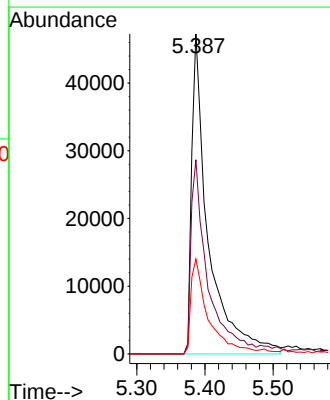
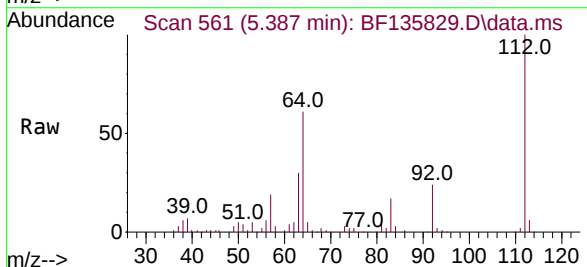
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL

Tgt Ion:152 Resp: 81056
Ion Ratio Lower Upper
152 100
150 157.1 124.5 186.7
115 59.1 49.0 73.4



#5
2-Fluorophenol
Concen: 15.754 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:112 Resp: 79426
Ion Ratio Lower Upper
112 100
64 60.7 51.2 76.8
63 29.7 26.1 39.1

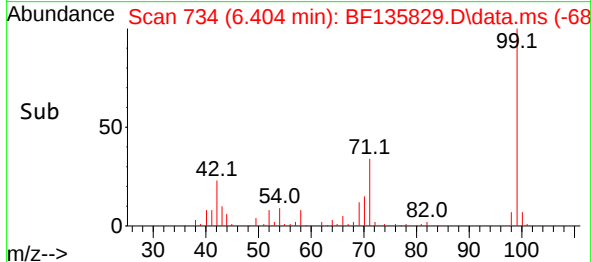
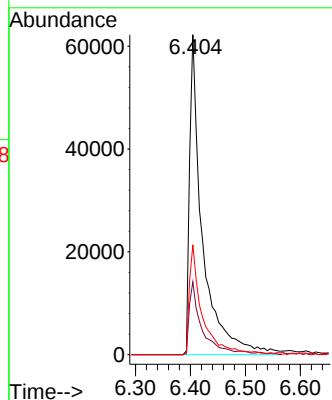
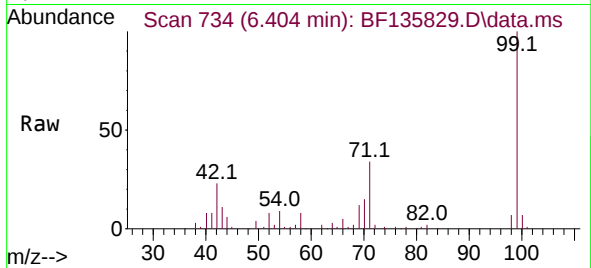




#7
Phenol-d6
Concen: 16.180 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

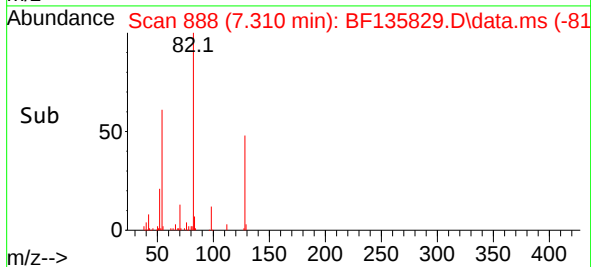
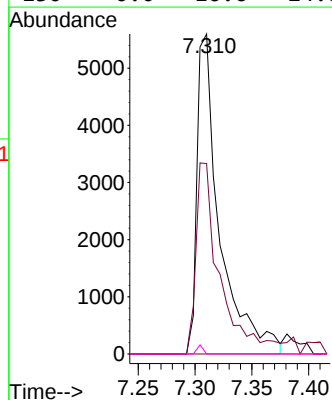
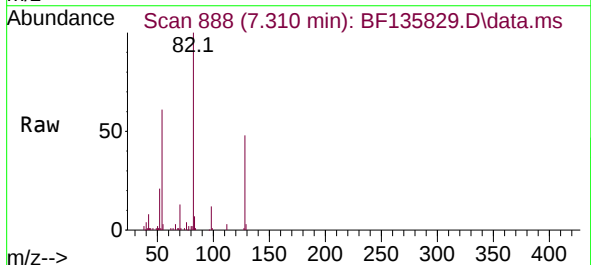
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL

Tgt Ion: 99 Resp: 101778
Ion Ratio Lower Upper
99 100
42 22.8 18.4 27.6
71 34.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.003 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion: 70 Resp: 7789
Ion Ratio Lower Upper
70 100
42 59.5 59.8 89.6#
101 0.0 7.4 11.2#
130 0.0 16.6 24.8#



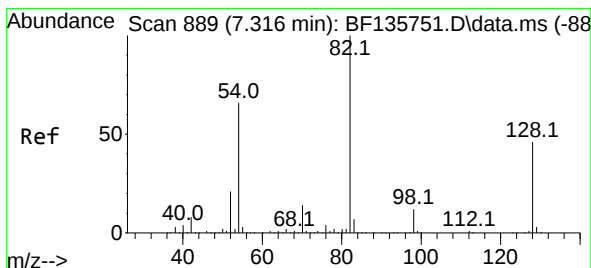
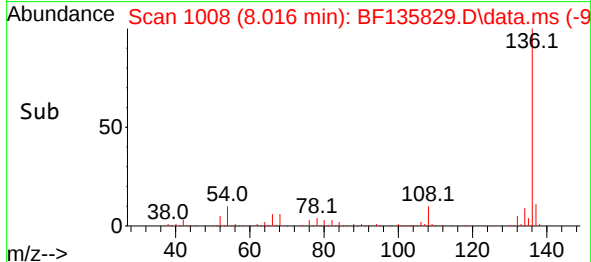
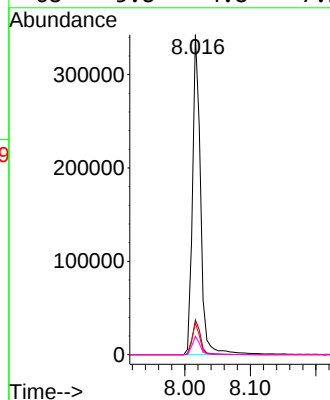
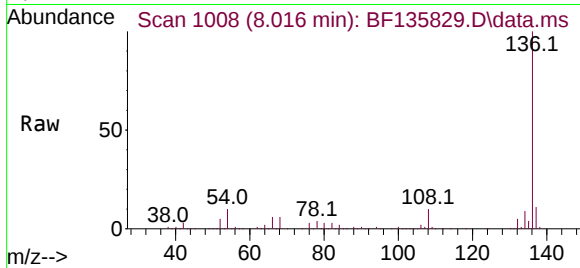


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

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

Tgt Ion:136 Resp: 295166

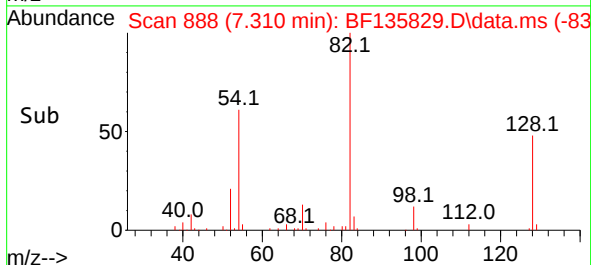
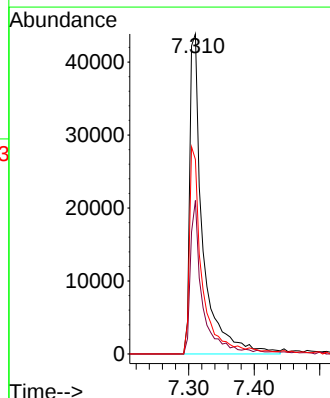
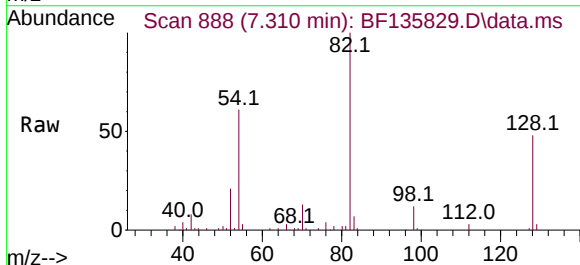
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.9	8.5	12.7
68	5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 11.327 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion: 82 Resp: 60788

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.0	55.6
54	60.8	52.8	79.2

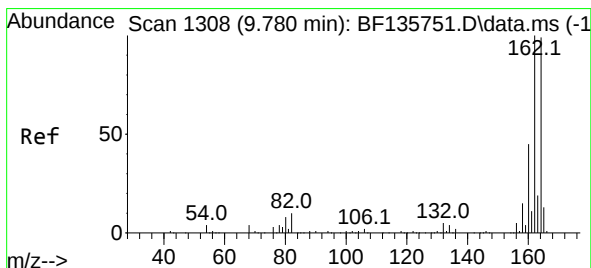
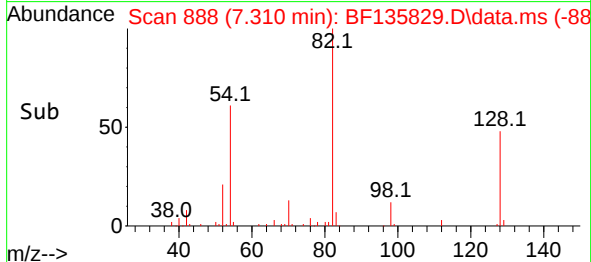
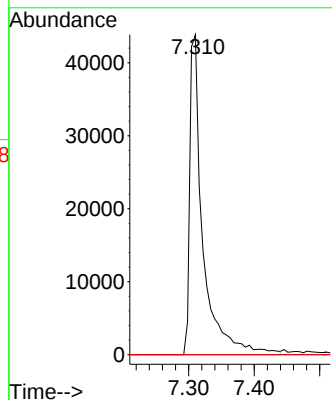
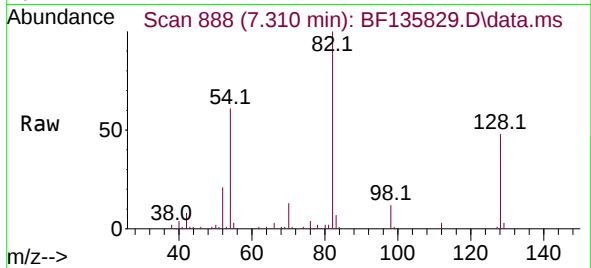




#25
Isophorone
Concen: 6.004 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

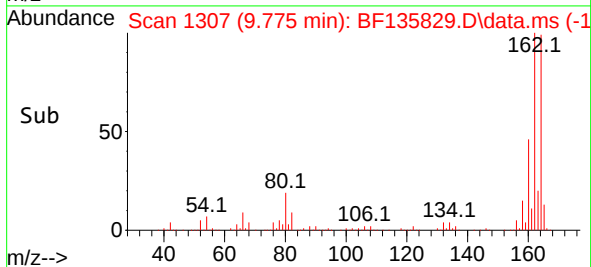
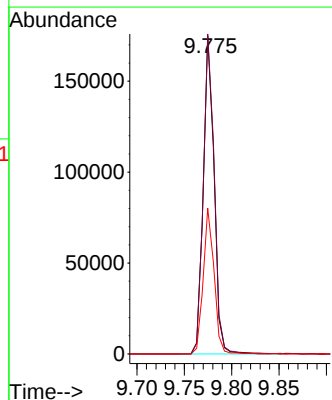
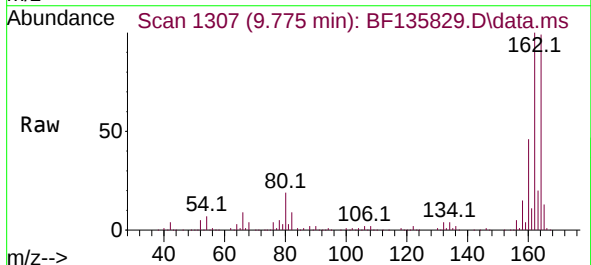
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL

Tgt Ion: 82 Resp: 60788
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion: 164 Resp: 138939
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 45.8 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 16.931 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

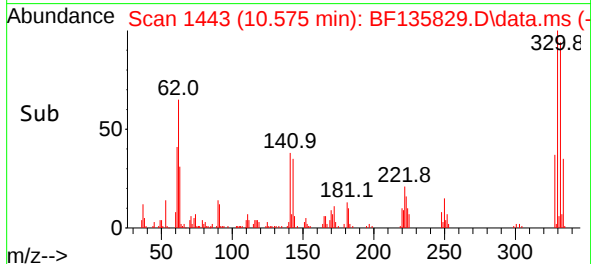
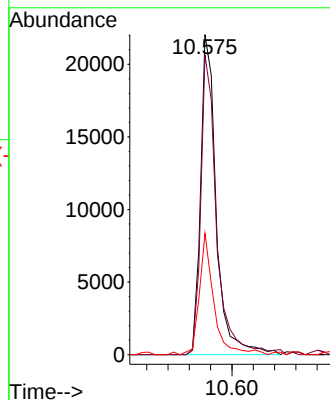
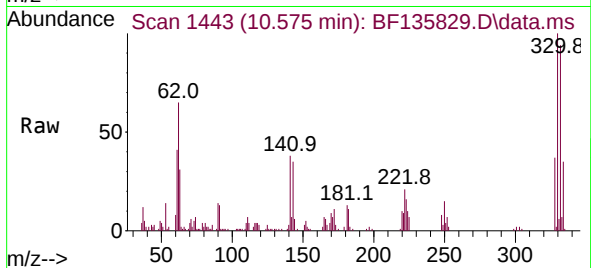
Tgt Ion:330 Resp: 22573

Ion Ratio Lower Upper

330 100

332 94.6 75.0 112.4

141 35.1 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 13.014 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

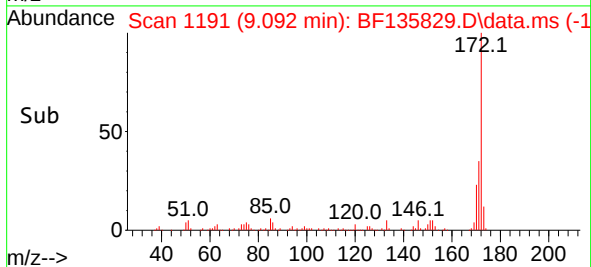
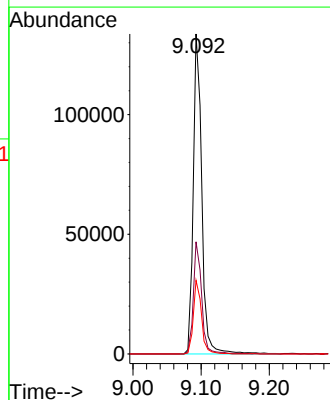
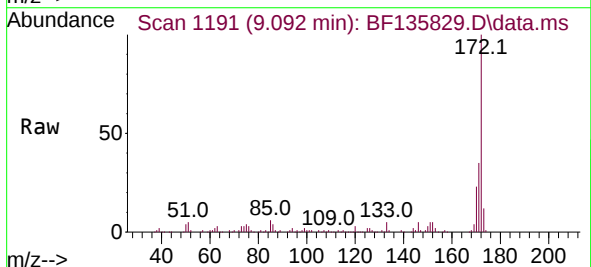
Tgt Ion:172 Resp: 115648

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.0 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.942 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

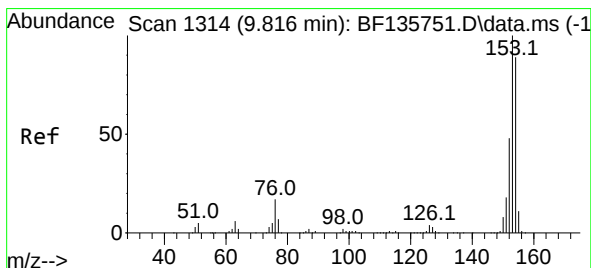
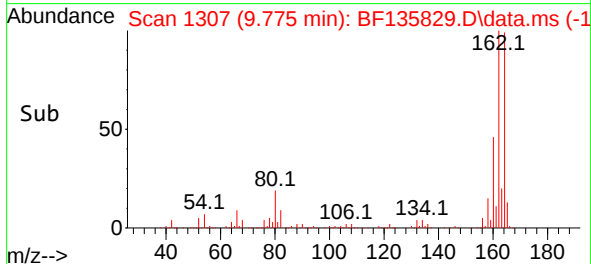
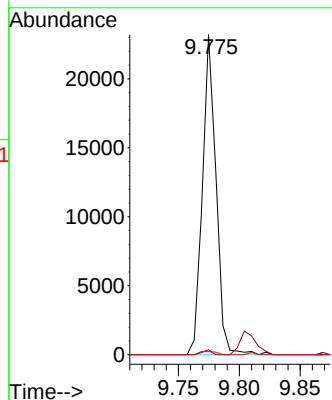
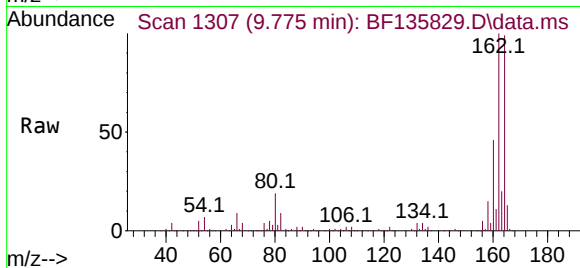
Tgt Ion:165 Resp: 18035

Ion Ratio Lower Upper

165 100

63 1.6 62.2 93.4#

89 1.0 49.6 74.4#



#52

Acenaphthene

Concen: 2.427 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

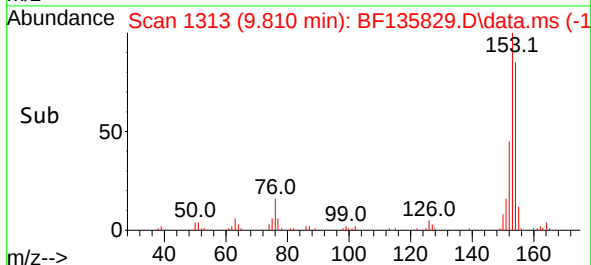
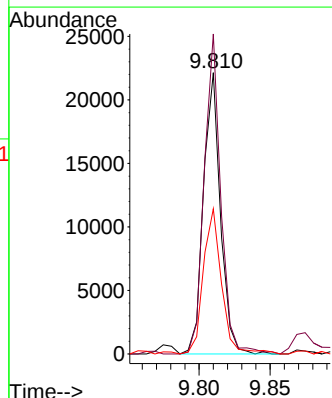
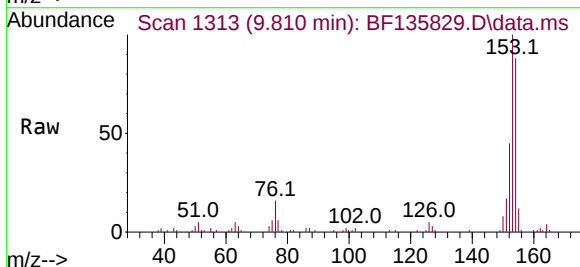
Tgt Ion:154 Resp: 18467

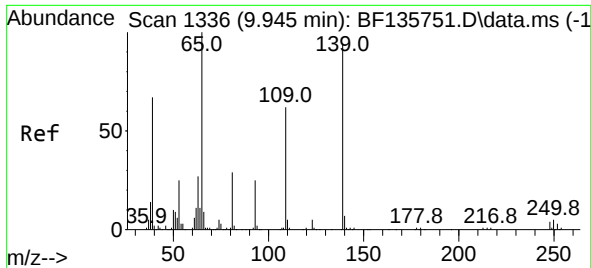
Ion Ratio Lower Upper

154 100

153 113.8 90.1 135.1

152 51.6 43.1 64.7

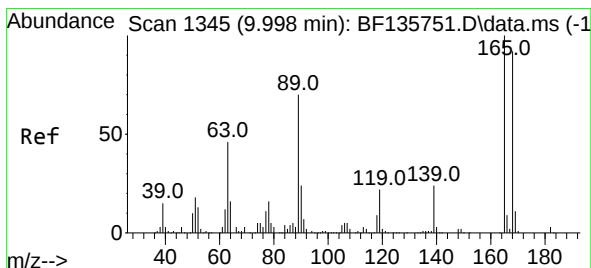
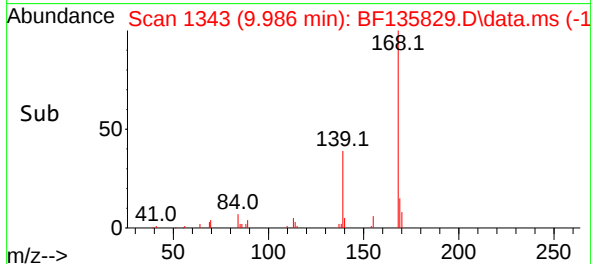
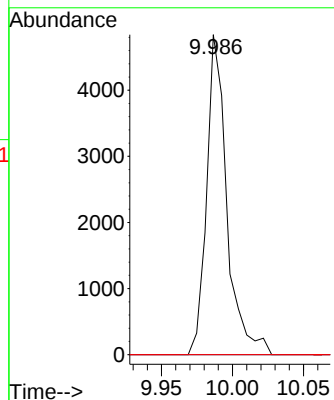
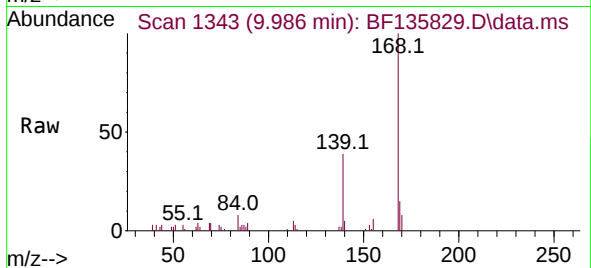




#56
4-Nitrophenol
Concen: 9.439 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

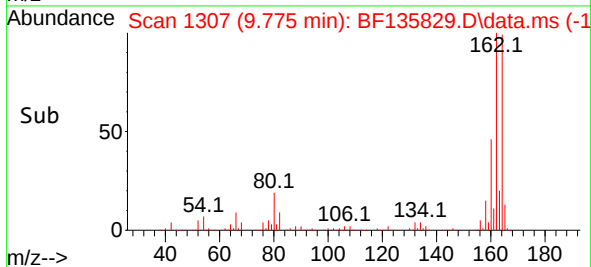
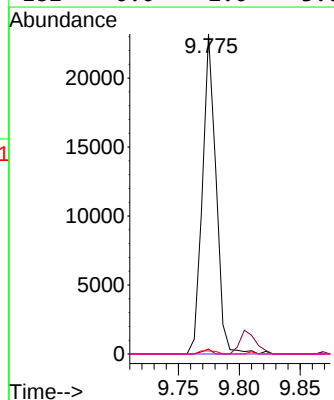
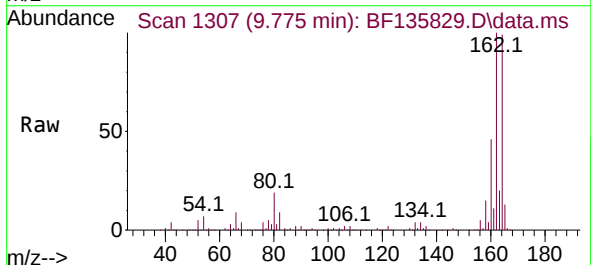
Instrument :
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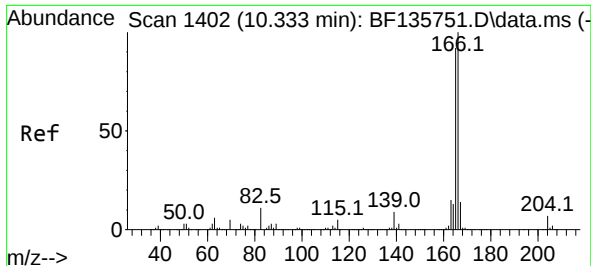
Tgt Ion:139 Resp: 4800
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 0.0 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 7.028 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:165 Resp: 18035
Ion Ratio Lower Upper
165 100
63 1.6 39.0 58.4#
89 1.0 55.9 83.9#
182 0.0 2.0 3.0#

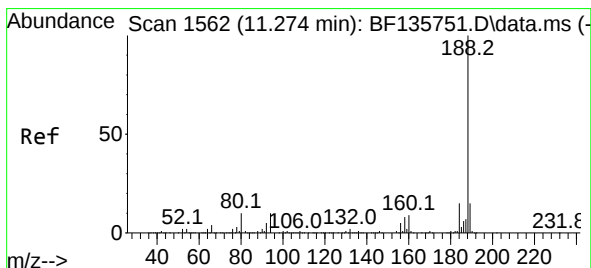
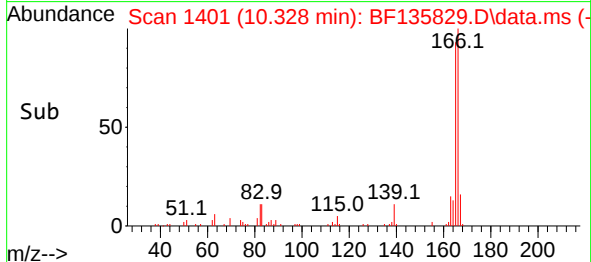
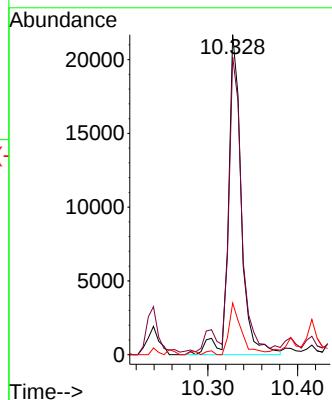
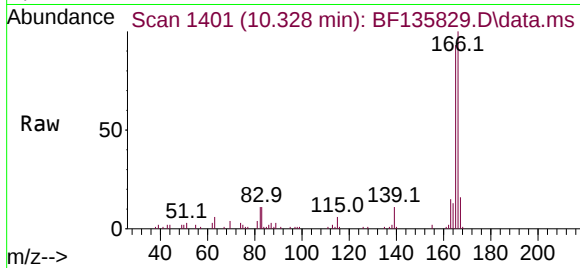




#58
Fluorene
Concen: 2.411 ng
RT: 10.328 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

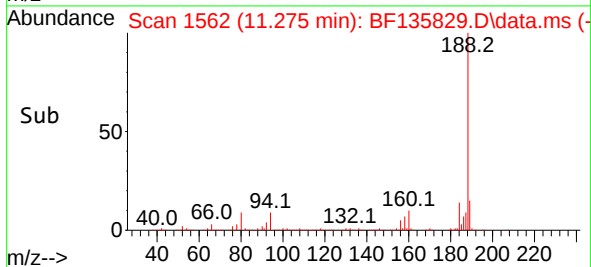
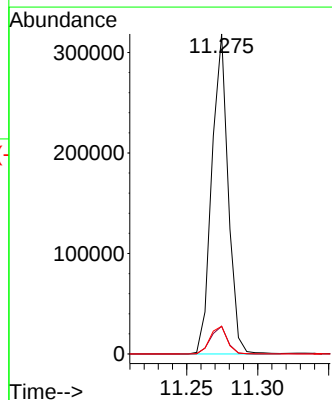
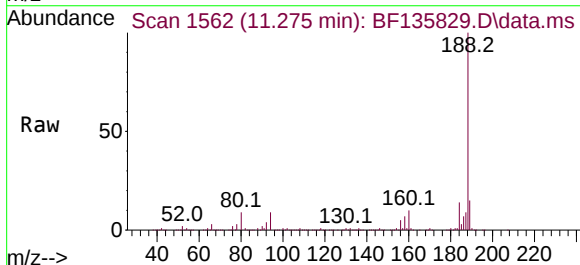
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL

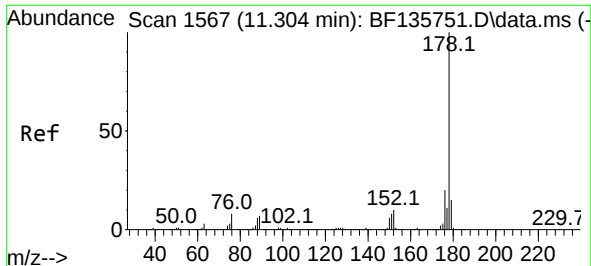
Tgt Ion:166 Resp: 21664
Ion Ratio Lower Upper
166 100
165 93.0 73.4 110.0
167 16.2 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:188 Resp: 255991
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 8.7 8.3 12.5

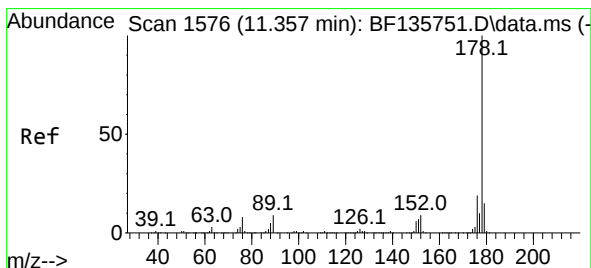
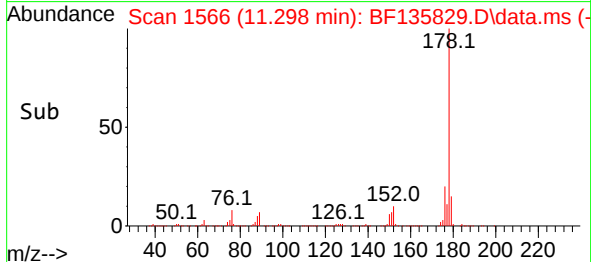
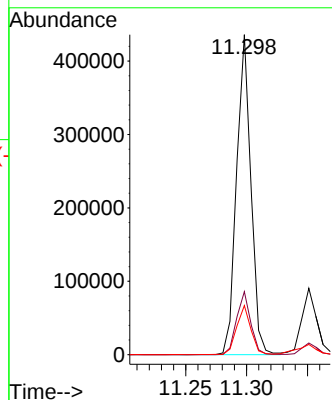
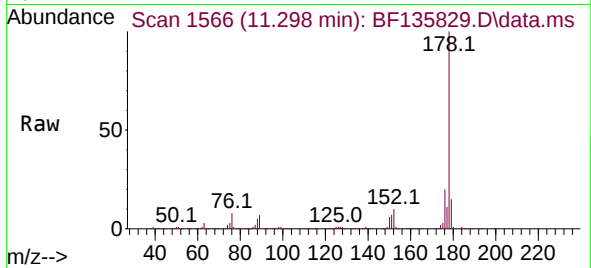




#71
Phenanthrene
Concen: 29.049 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

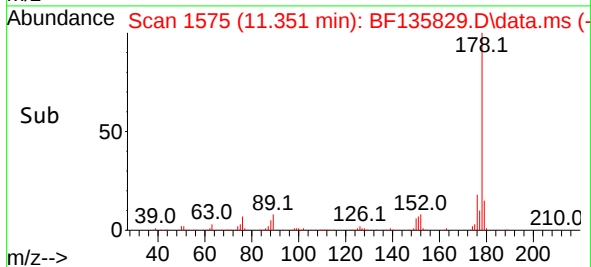
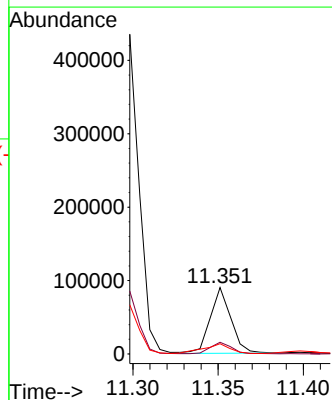
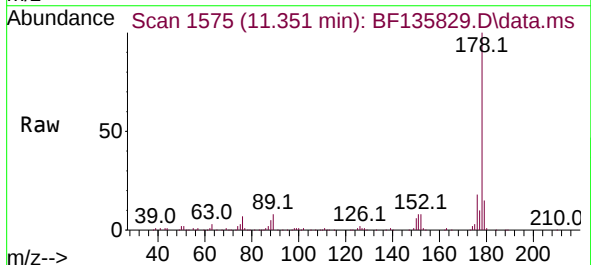
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL

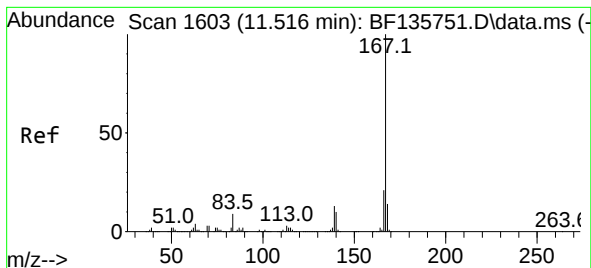
Tgt Ion:178 Resp: 356236
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 12.2 18.4



#72
Anthracene
Concen: 5.957 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:178 Resp: 75695
Ion Ratio Lower Upper
178 100
176 17.7 15.1 22.7
179 15.4 12.3 18.5





#73

Carbazole

Concen: 4.124 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

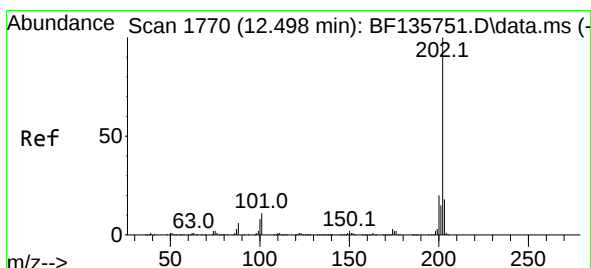
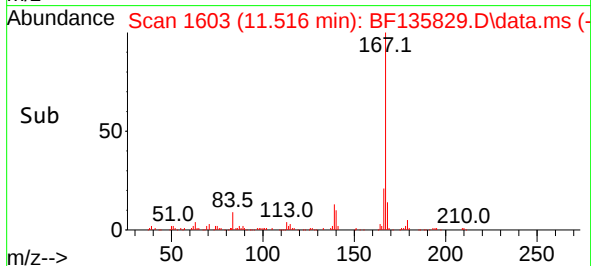
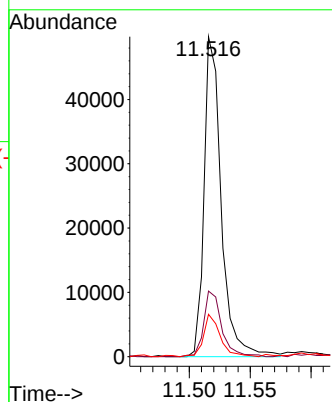
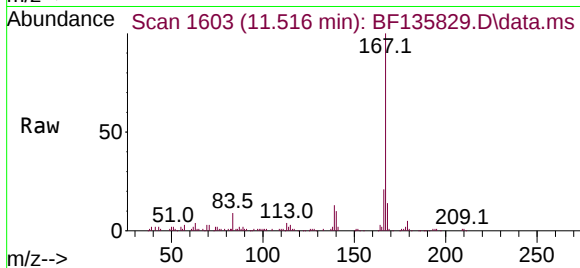
Tgt Ion:167 Resp: 48876

Ion Ratio Lower Upper

167 100

166 20.5 17.1 25.7

139 13.2 10.2 15.4



#75

Fluoranthene

Concen: 44.031 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

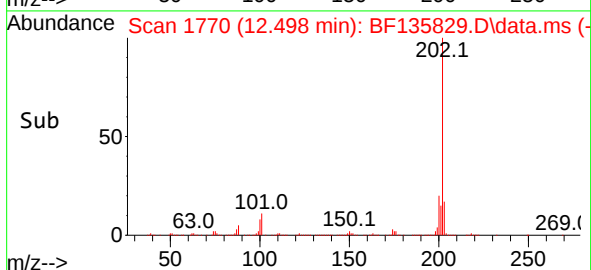
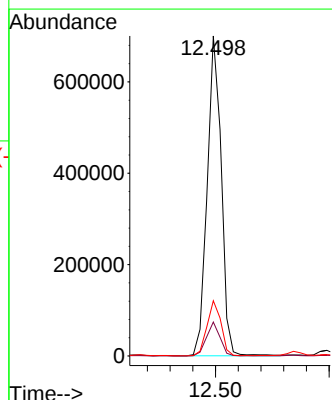
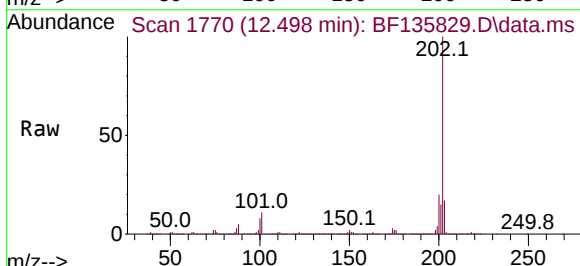
Tgt Ion:202 Resp: 599285

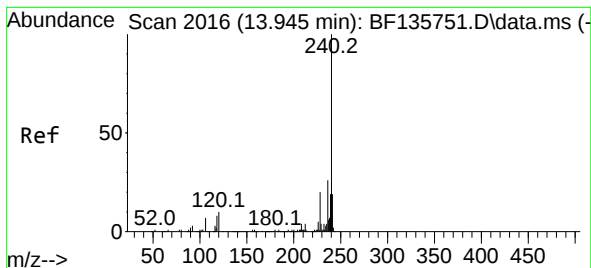
Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.5

203 17.3 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

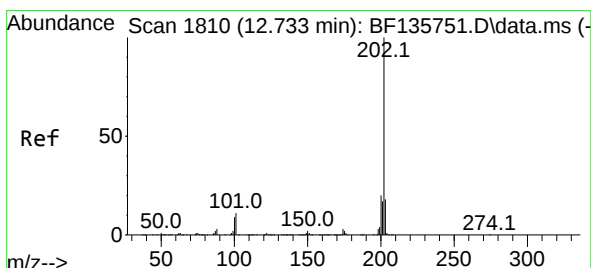
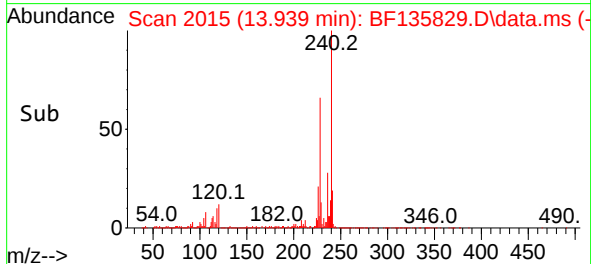
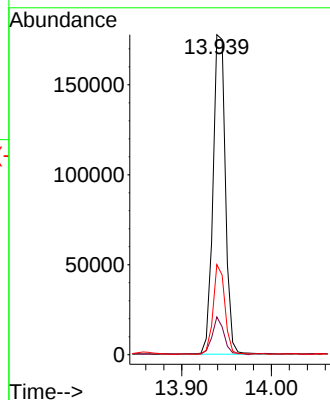
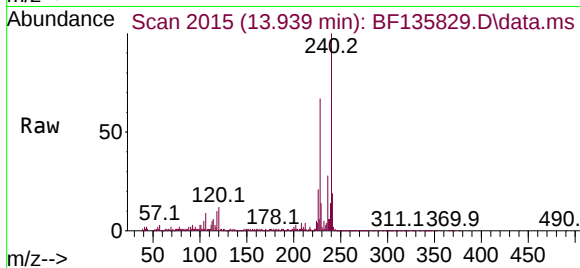
Tgt Ion:240 Resp: 170989

Ion Ratio Lower Upper

240 100

120 11.8 8.2 12.2

236 28.2 21.2 31.8



#78

Pyrene

Concen: 40.156 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

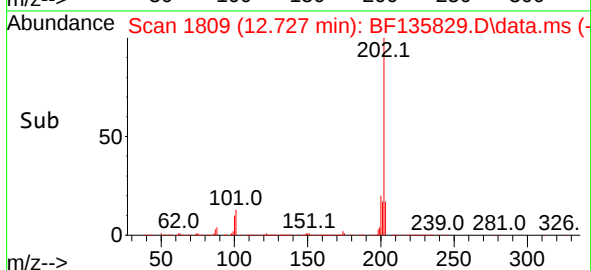
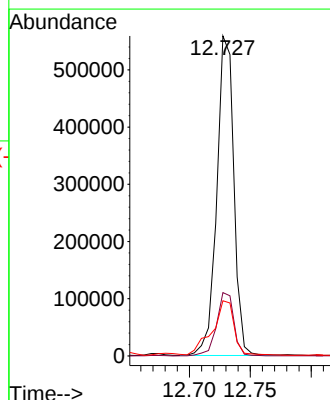
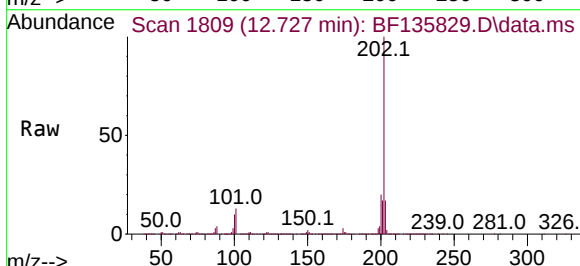
Tgt Ion:202 Resp: 545626

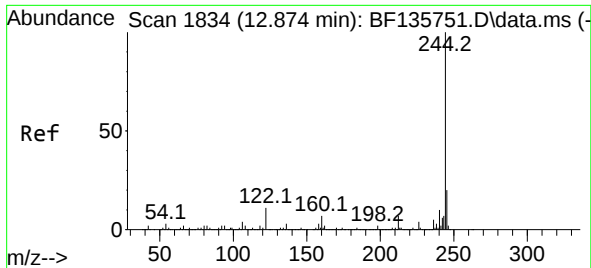
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 17.3 14.2 21.2

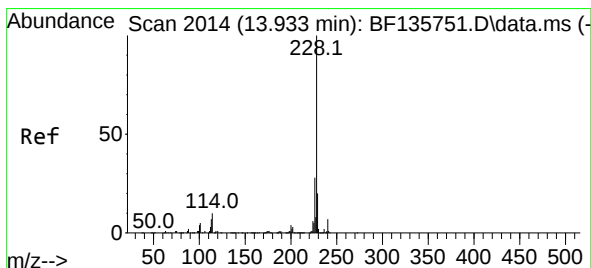
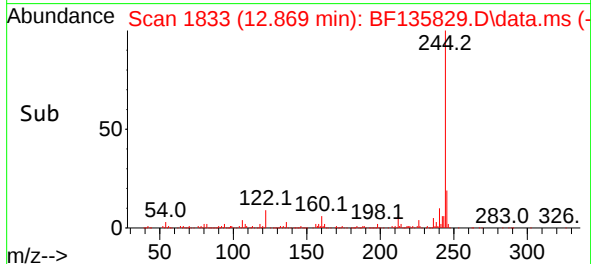
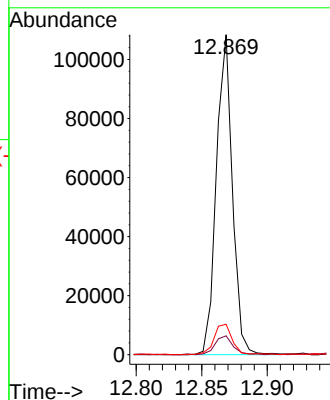
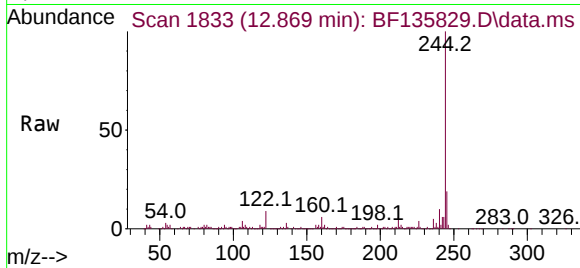




#79
 Terphenyl-d14
 Concen: 9.968 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135829.D
 Acq: 18 Oct 2023 00:06

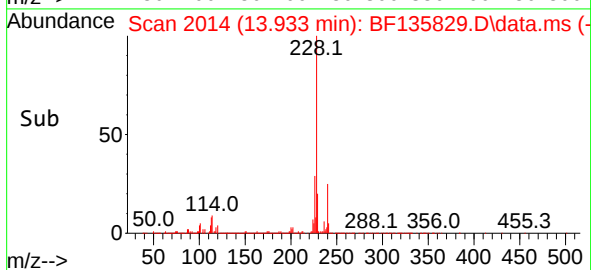
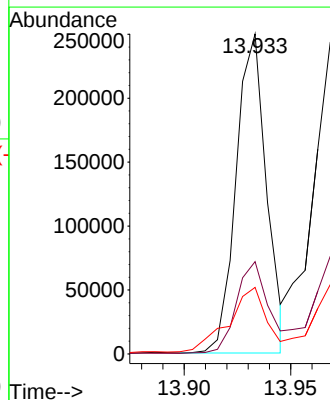
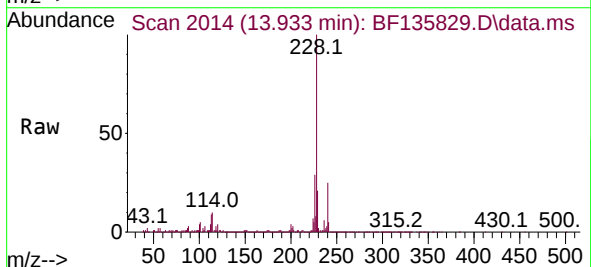
Instrument :
 BNA_F
 ClientSampleId :
 V-2(0-2IN)DL

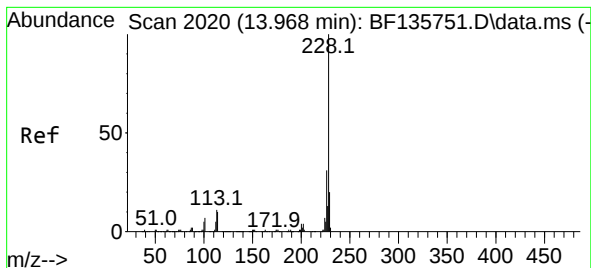
Tgt Ion:244 Resp: 92038
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.6 8.4
 122 9.5 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 22.047 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135829.D
 Acq: 18 Oct 2023 00:06

Tgt Ion:228 Resp: 247617
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.2 33.2
 229 20.8 16.1 24.1





#83

Chrysene

Concen: 21.526 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

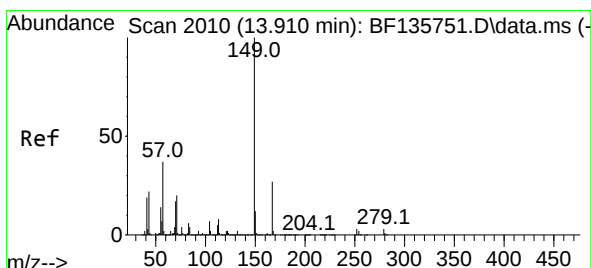
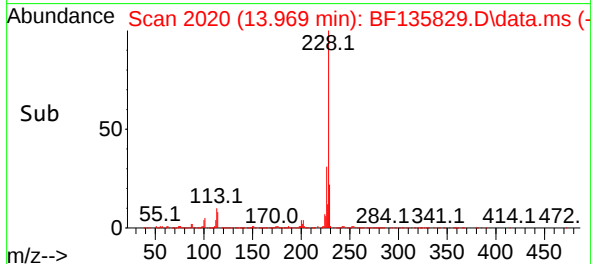
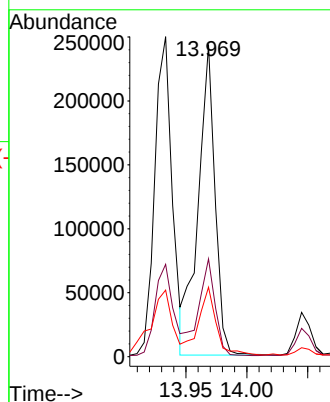
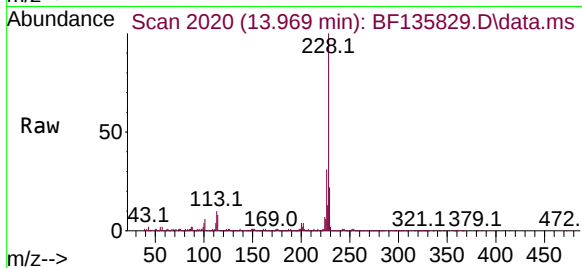
Tgt Ion:228 Resp: 234166

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 22.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.828 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

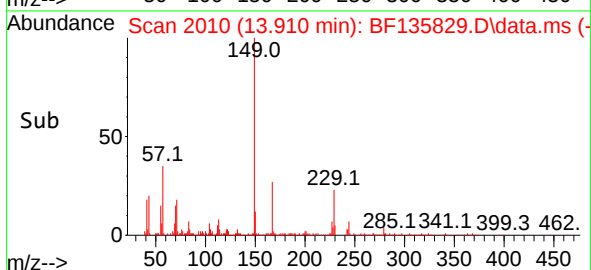
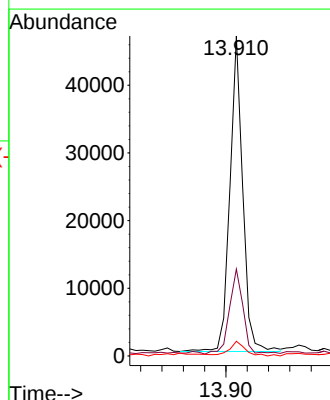
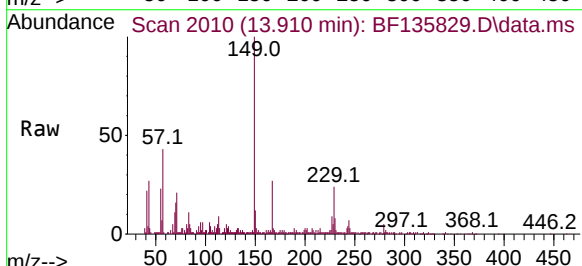
Tgt Ion:149 Resp: 39072

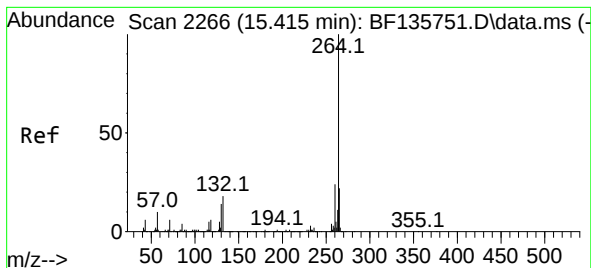
Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

279 4.6 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

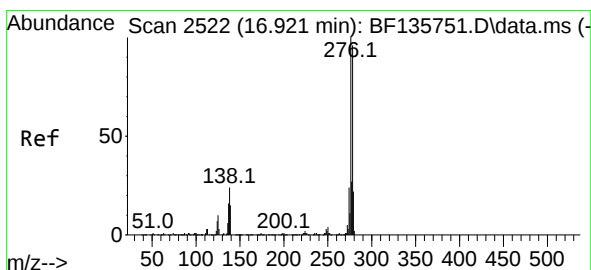
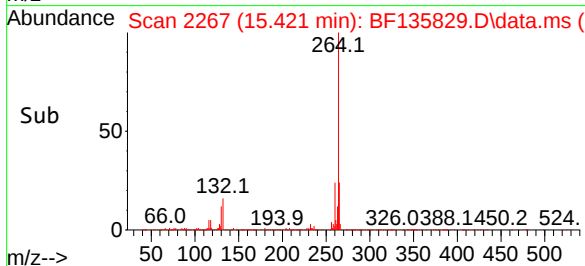
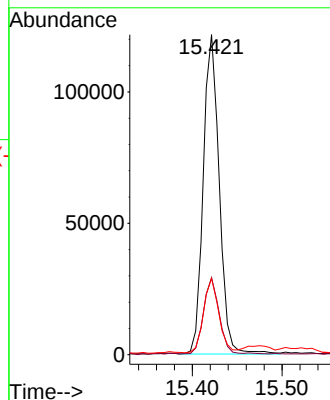
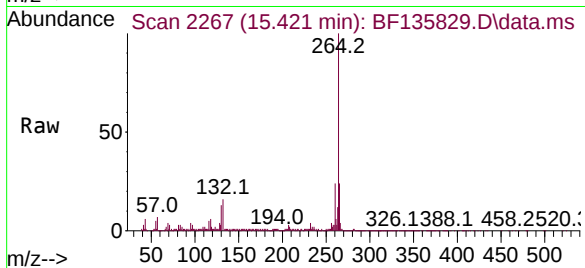
Tgt Ion:264 Resp: 150266

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 23.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.774 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

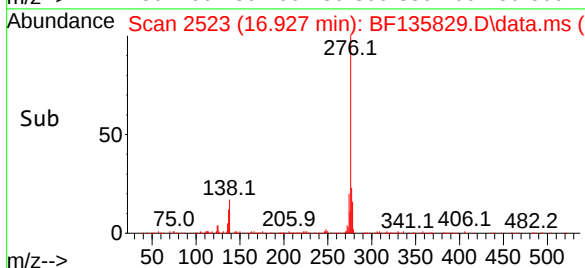
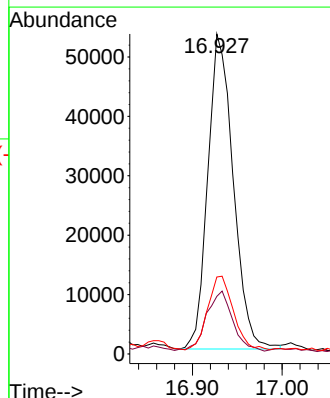
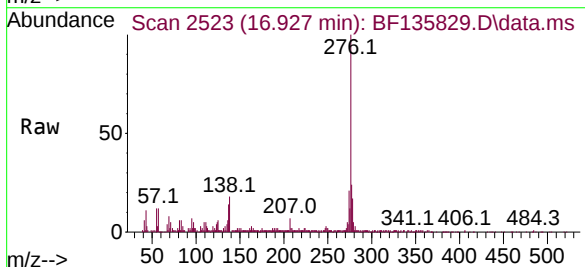
Tgt Ion:276 Resp: 104590

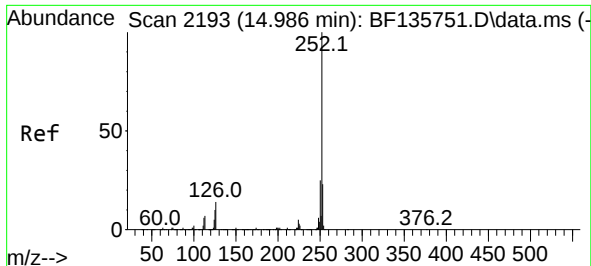
Ion Ratio Lower Upper

276 100

138 19.7 19.8 29.6#

277 23.5 20.2 30.4

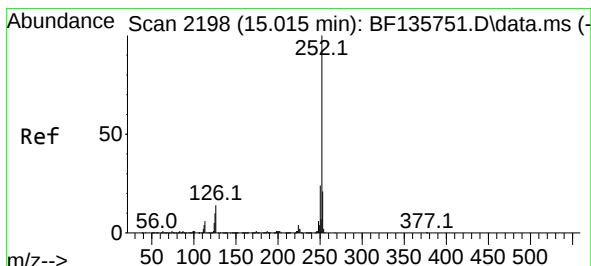
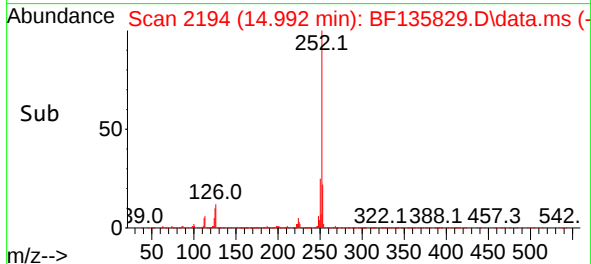
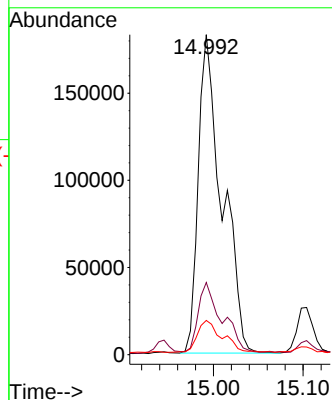
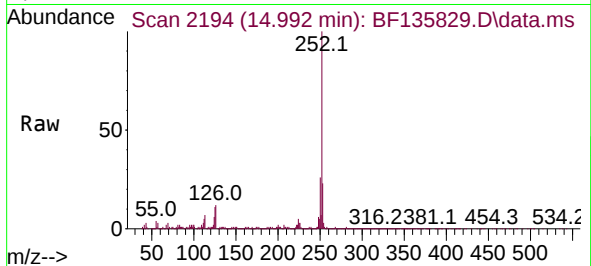




#88
Benzo(b)fluoranthene
Concen: 39.930 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

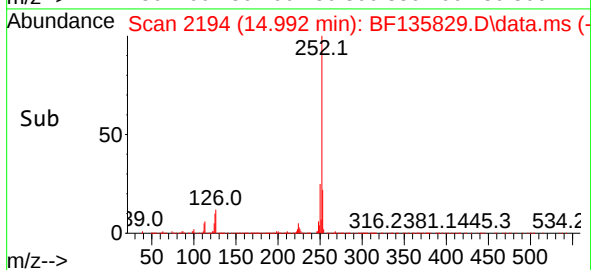
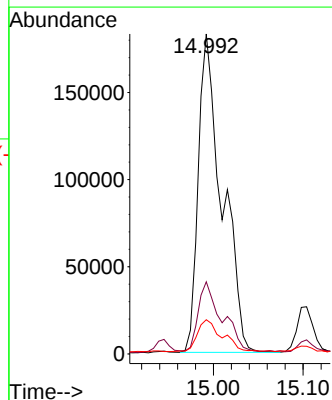
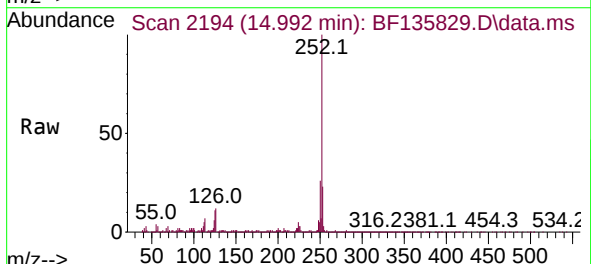
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL

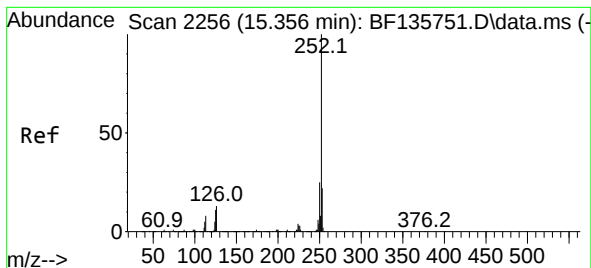
Tgt Ion:252 Resp: 335802
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 10.7 8.2 12.2



#89
Benzo(k)fluoranthene
Concen: 41.128 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:252 Resp: 335802
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.7 8.3 12.5





#90

Benzo(a)pyrene

Concen: 22.114 ng

RT: 15.363 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

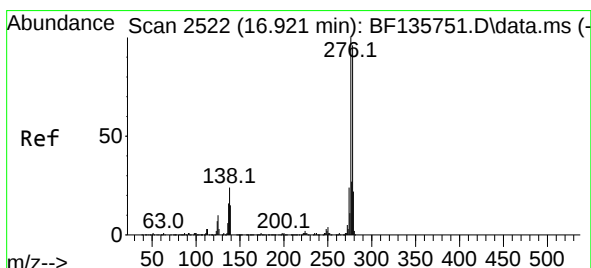
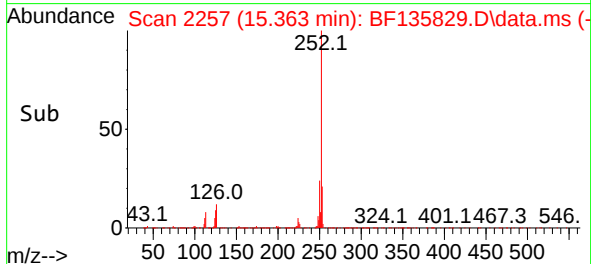
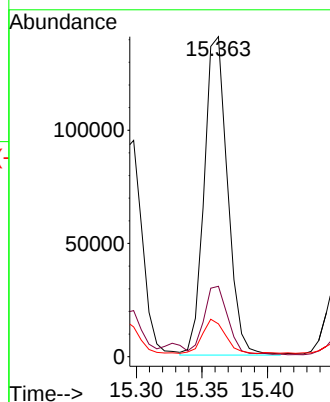
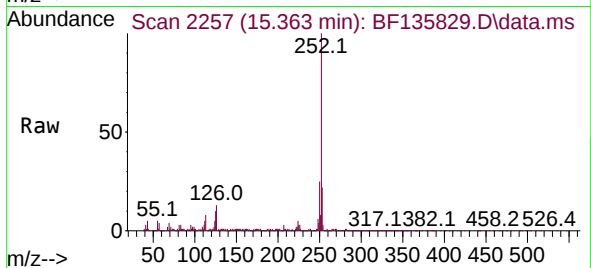
Tgt Ion:252 Resp: 174877

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.3 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 3.582 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.012 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

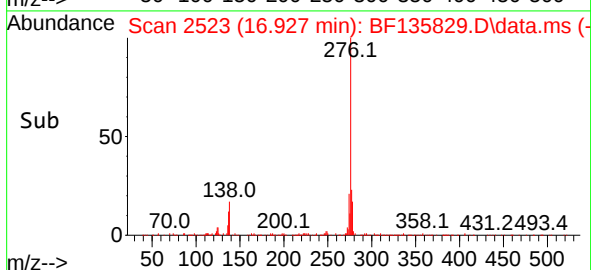
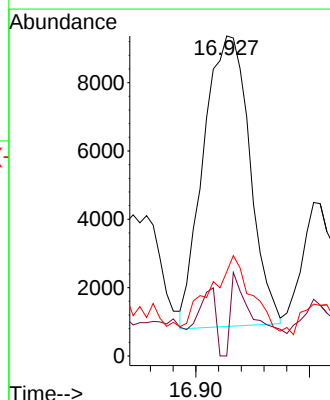
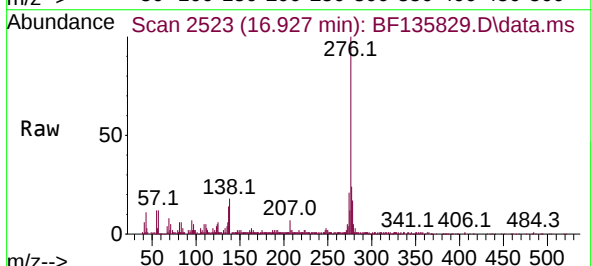
Tgt Ion:278 Resp: 24045

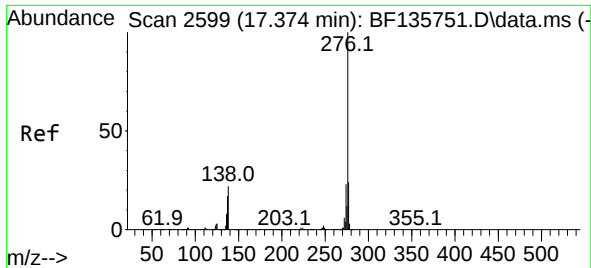
Ion Ratio Lower Upper

278 100

139 0.0 12.5 18.7#

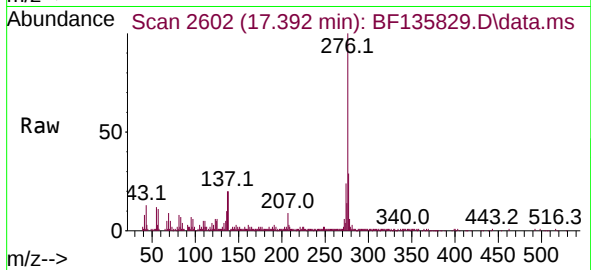
279 26.4 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 14.148 ng
RT: 17.392 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

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



Tgt Ion:	276	Resp:	97543
Ion	Ratio	Lower	Upper
276	100		
277	28.9	19.4	29.2
138	19.7	17.3	25.9

