

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
 Data File : BF135602.D
 Acq On : 05 Oct 2023 16:31
 Operator : CG\JU
 Sample : 04701-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Quant Time: Oct 05 17:42:11 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 04 17:06:20 2023
 Response via : Initial Calibration

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

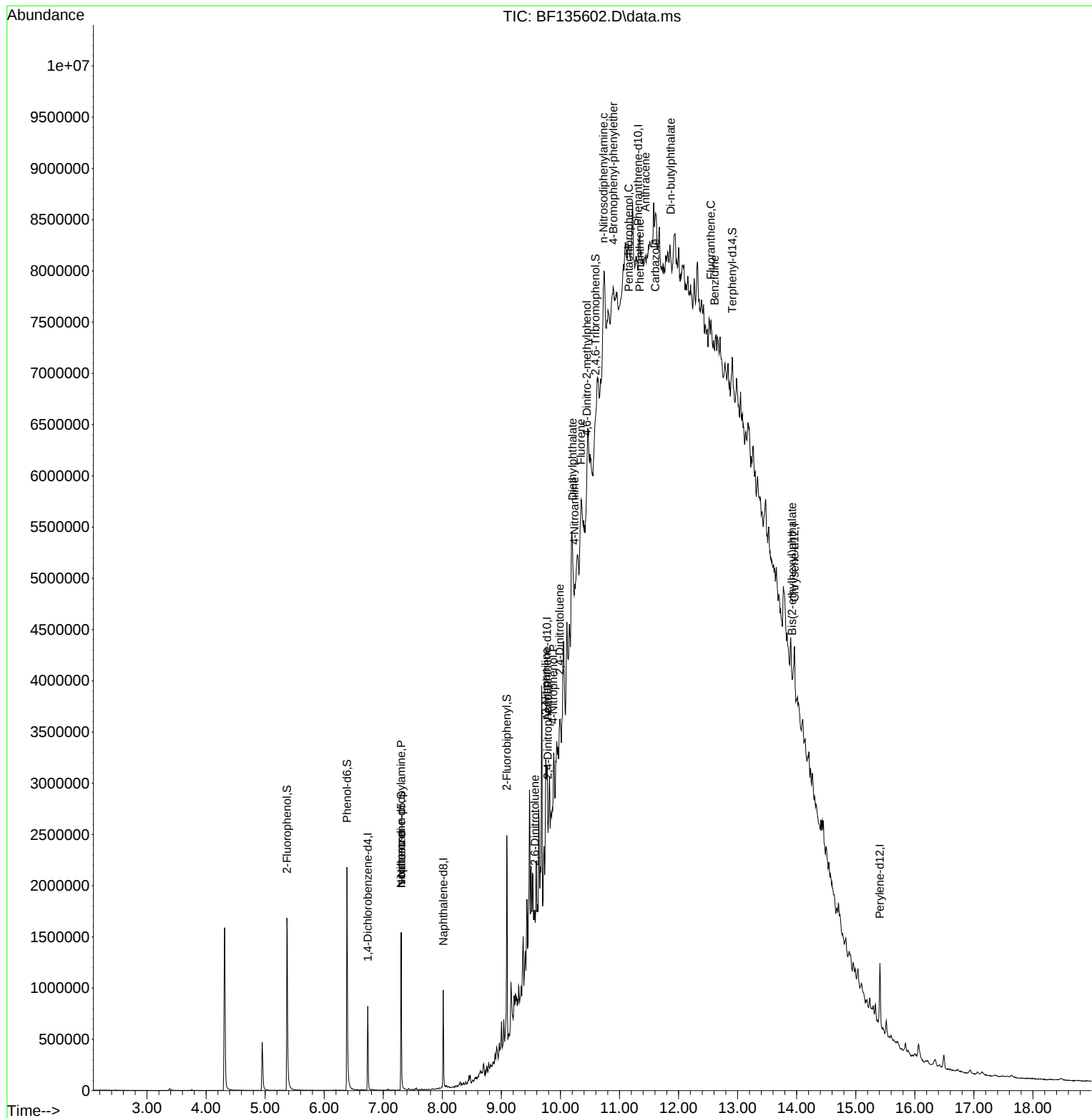
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	114705	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	373044	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	120733	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	94936	20.000	ng	# 0.05
76) Chrysene-d12	13.963	240	148004	20.000	ng	# 0.04
86) Perylene-d12	15.409	264	253562	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	533898	75.703	ng	0.00
7) Phenol-d6	6.387	99	728077	81.189	ng	0.00
23) Nitrobenzene-d5	7.304	82	430132	62.644	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	48216	40.187	ng	0.02
45) 2-Fluorobiphenyl	9.092	172	629885	78.713	ng	0.00
79) Terphenyl-d14	12.910	244	325213	34.063	ng	0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	56099	10.100	ng	# 82
25) Isophorone	7.304	82	430127	34.114	ng	# 65
51) 2,6-Dinitrotoluene	9.569	165	7556	4.225	ng	# 42
53) 3-Nitroaniline	9.751	138	7590	3.616	ng	# 21
54) 2,4-Dinitrophenol	9.786	184	702	6.885	ng	# 1
56) 4-Nitrophenol	9.880	139	11219	8.410	ng	# 1
57) 2,4-Dinitrotoluene	9.986	165	11732	5.241	ng	# 70
58) Fluorene	10.345	166	20229	2.609	ng	# 15
60) Diethylphthalate	10.204	149	17538	2.141	ng	# 16
62) 4-Nitroaniline	10.239	138	28167	13.960	ng	83
65) 4,6-Dinitro-2-methylph...	10.445	198	7284	14.446	ng	# 1
66) n-Nitrosodiphenylamine	10.727	169	222918	77.559	ng	90
67) 4-Bromophenyl-phenylether	10.898	248	2121	2.246	ng	# 1
70) Pentachlorophenol	11.157	266	5155	8.957	ng	# 36
71) Phenanthrene	11.345	178	143074	31.865	ng	# 52
72) Anthracene	11.439	178	47289	10.246	ng	# 1
73) Carbazole	11.604	167	12345	2.938	ng	# 1
74) Di-n-butylphthalate	11.869	149	38790	7.835	ng	# 24
75) Fluoranthene	12.545	202	30119	6.438	ng	# 20
77) Benzidine	12.610	184	15026	4.956	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.921	149	10657	2.093	ng	# 37

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
Data File : BF135602.D
Acq On : 05 Oct 2023 16:31
Operator : CG\JU
Sample : 04701-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

Quant Time: Oct 05 17:42:11 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 04 17:06:20 2023
Response via : Initial Calibration

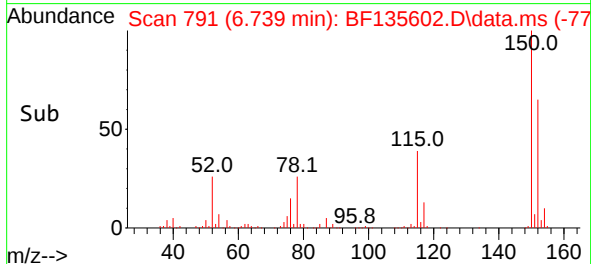
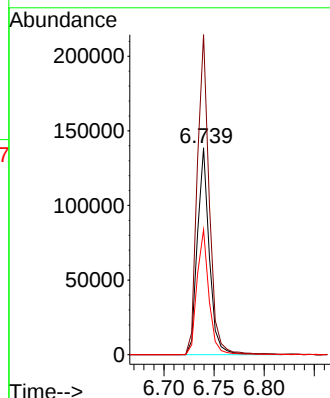
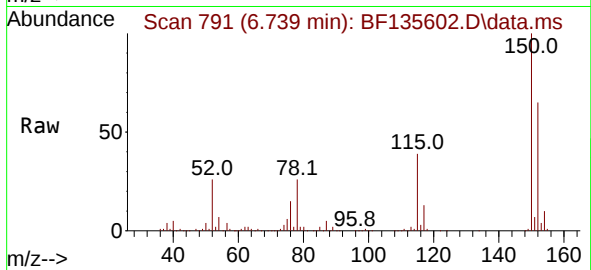




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

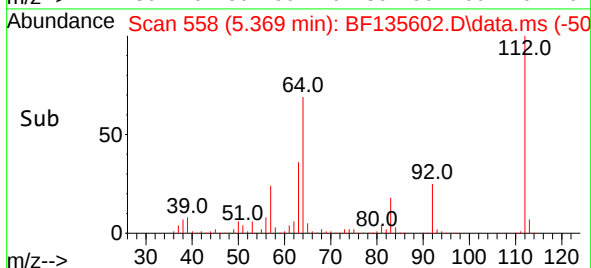
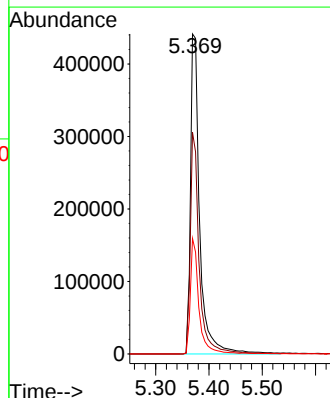
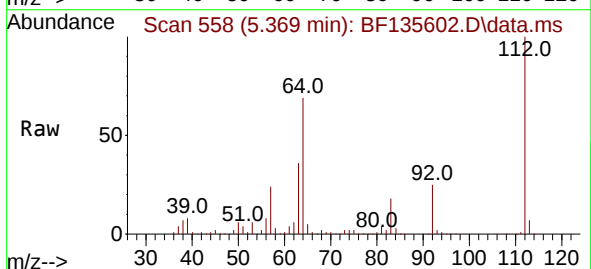
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

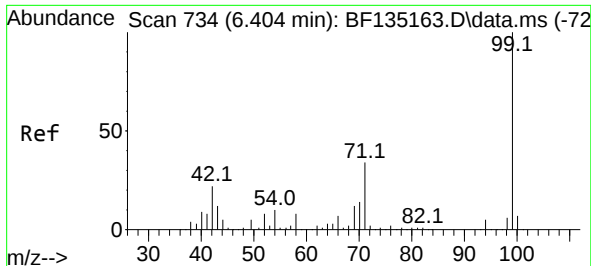
Tgt Ion:152 Resp: 114705
Ion Ratio Lower Upper
152 100
150 154.7 127.8 191.6
115 60.4 49.8 74.8



#5
2-Fluorophenol
Concen: 75.703 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.000 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

Tgt Ion:112 Resp: 533898
Ion Ratio Lower Upper
112 100
64 69.3 55.9 83.9
63 36.1 29.0 43.6

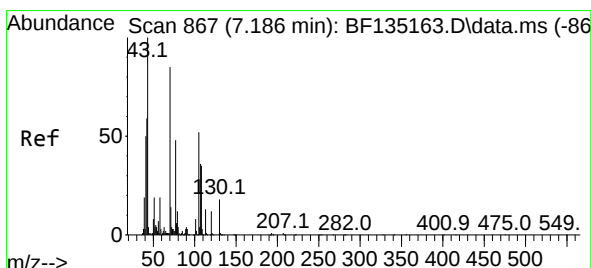
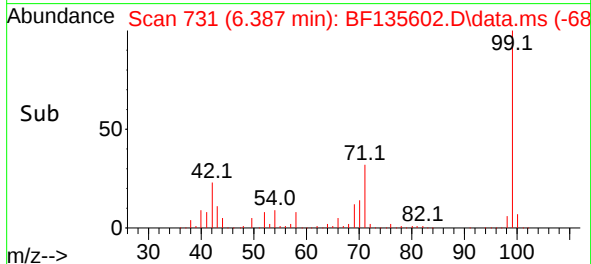
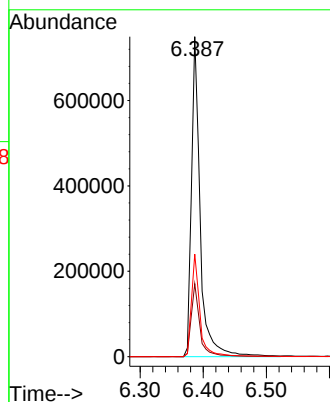
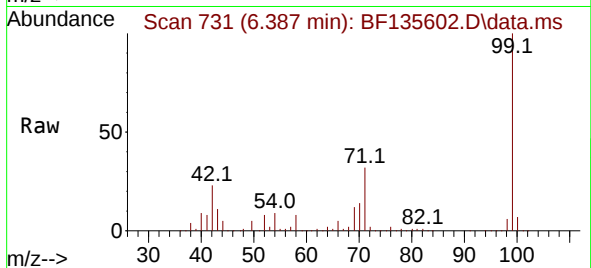




#7
Phenol-d6
Concen: 81.189 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

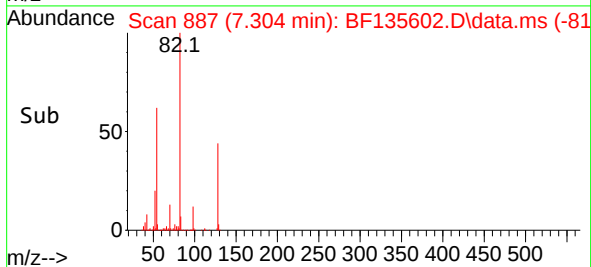
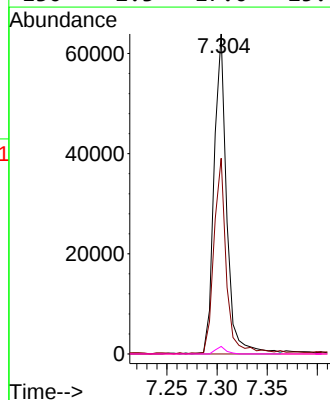
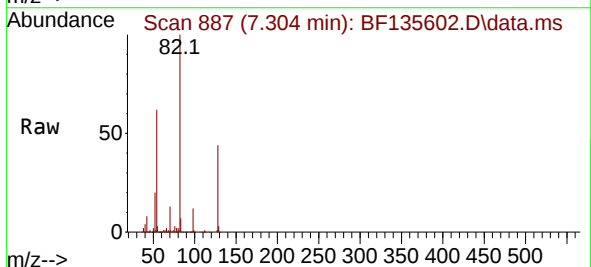
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

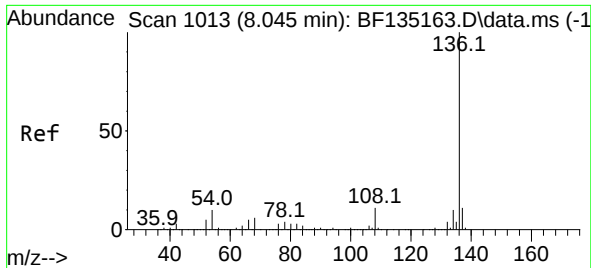
Tgt Ion: 99 Resp: 728077
Ion Ratio Lower Upper
99 100
42 22.8 17.9 26.9
71 32.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.100 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

Tgt Ion: 70 Resp: 56099
Ion Ratio Lower Upper
70 100
42 61.2 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

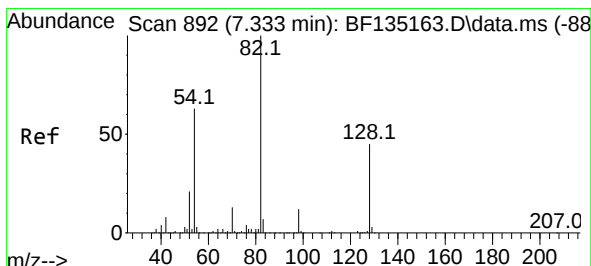
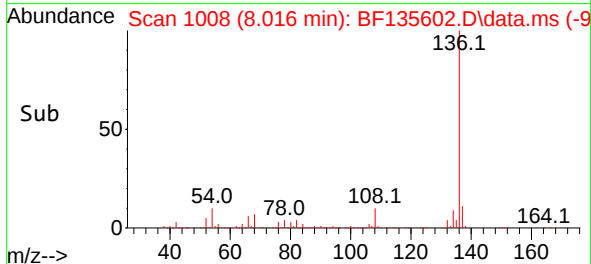
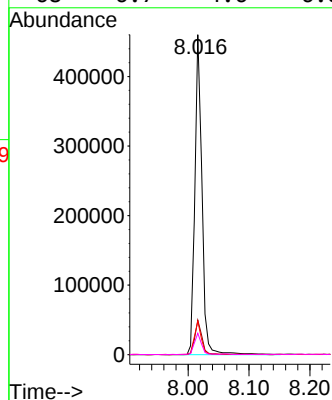
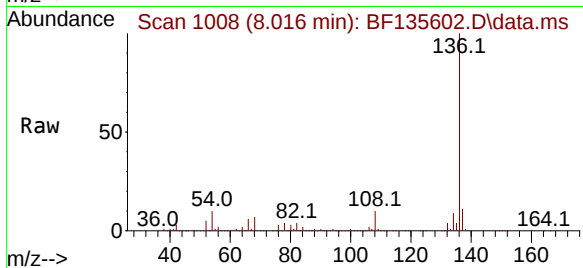




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

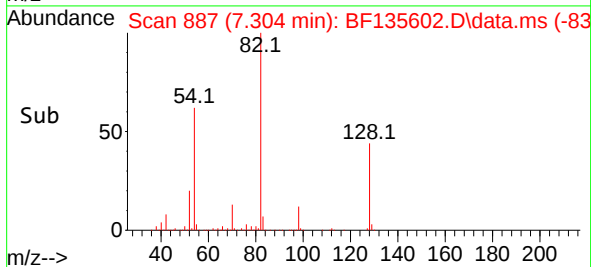
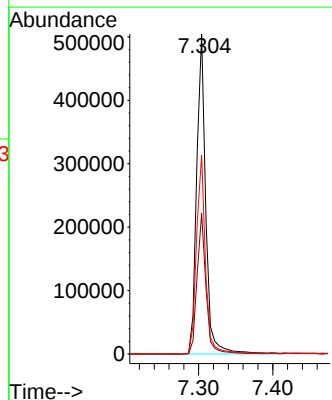
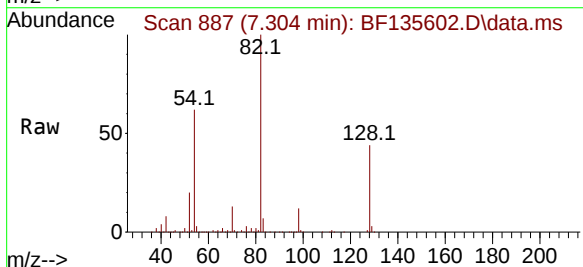
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

Tgt Ion:136 Resp: 373044
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.4 7.7 11.5
68 6.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 62.644 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

Tgt Ion: 82 Resp: 430132
Ion Ratio Lower Upper
82 100
128 44.0 35.8 53.6
54 62.1 50.6 76.0

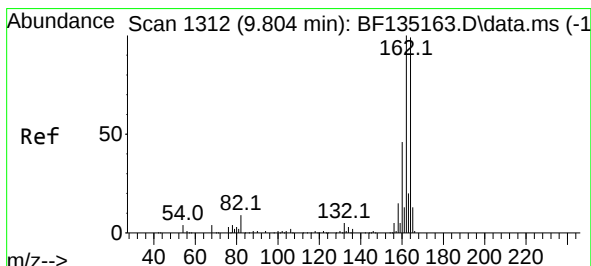
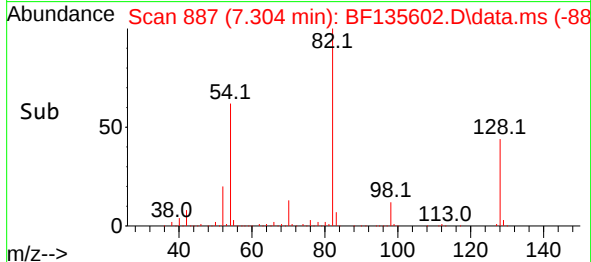
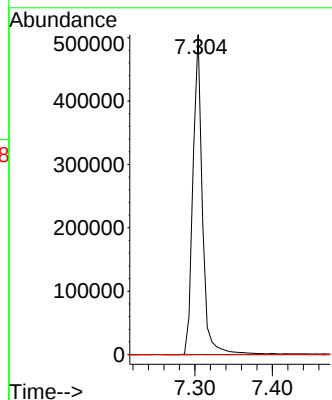
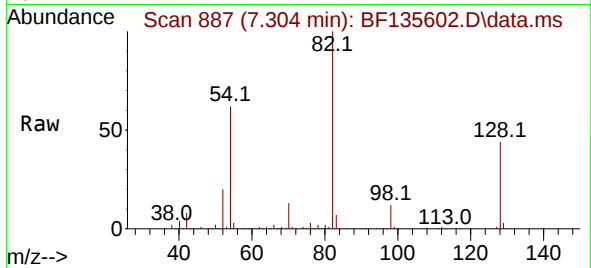




#25
Isophorone
Concen: 34.114 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

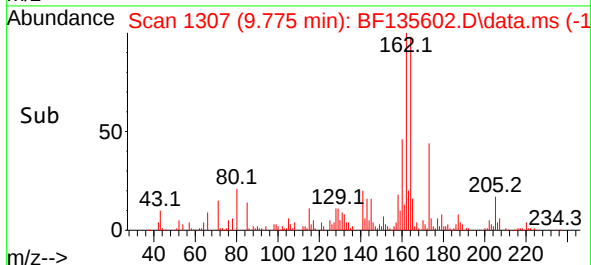
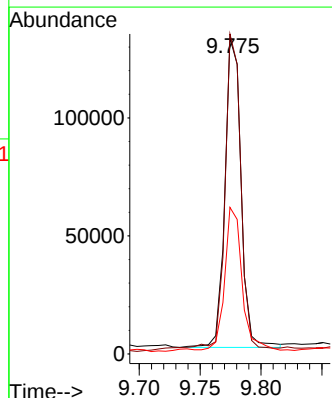
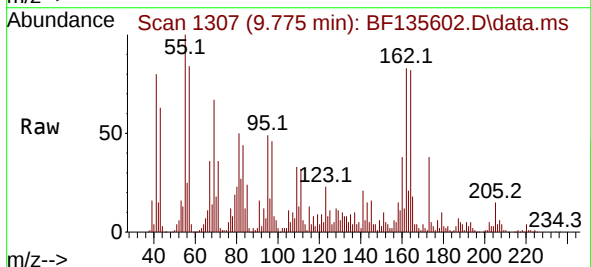
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

Tgt Ion: 82 Resp: 430127
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

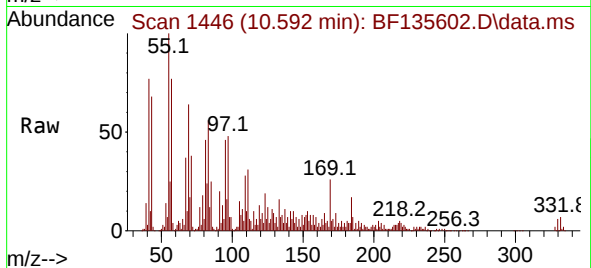
Tgt Ion:164 Resp: 120733
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 46.4 37.0 55.4



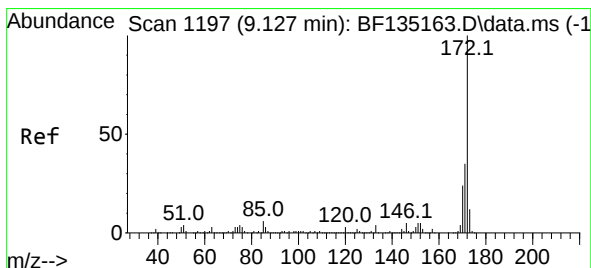
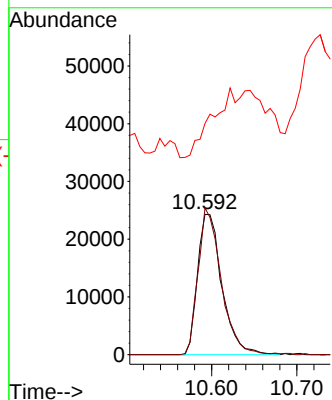
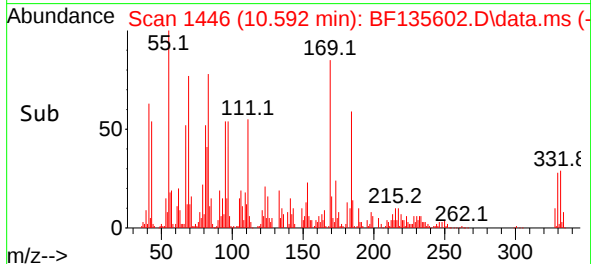


#42
 2,4,6-Tribromophenol
 Concen: 40.187 ng
 RT: 10.592 min Scan# 1447
 Delta R.T. 0.024 min
 Lab File: BF135602.D
 Acq: 05 Oct 2023 16:31

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

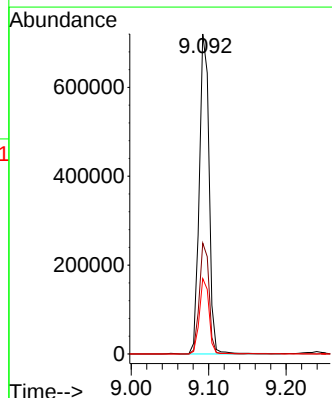
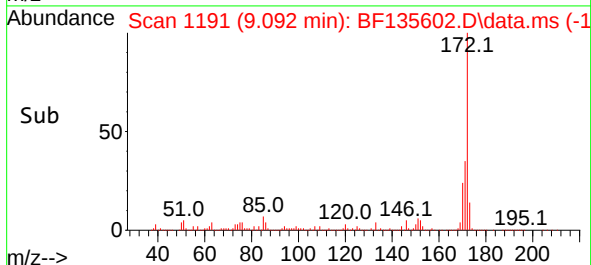
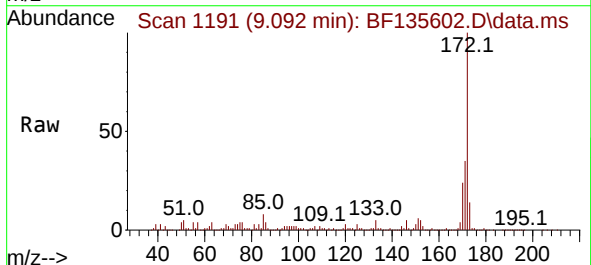


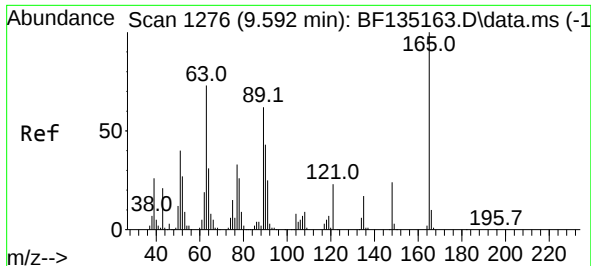
Tgt Ion:330 Resp: 48216
 Ion Ratio Lower Upper
 330 100
 332 99.3 77.3 115.9
 141 0.0 25.8 38.8#



#45
 2-Fluorobiphenyl
 Concen: 78.713 ng
 RT: 9.092 min Scan# 1191
 Delta R.T. -0.006 min
 Lab File: BF135602.D
 Acq: 05 Oct 2023 16:31

Tgt Ion:172 Resp: 629885
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.4 42.6
 170 23.6 19.0 28.4

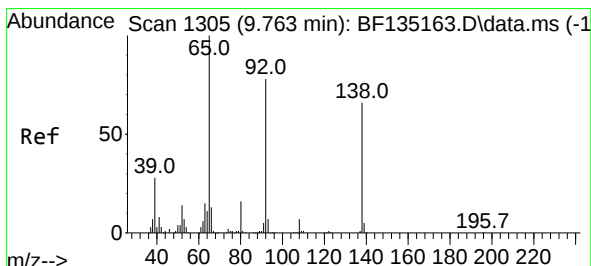
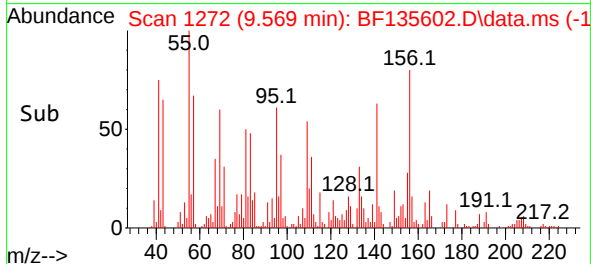
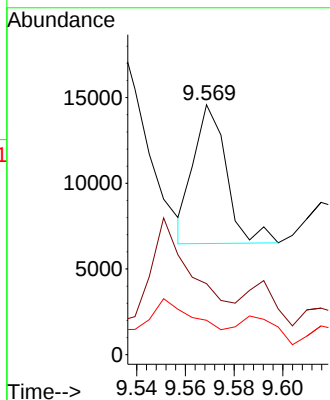
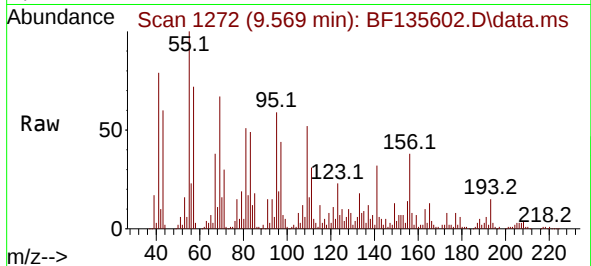




#51
2,6-Dinitrotoluene
Concen: 4.225 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

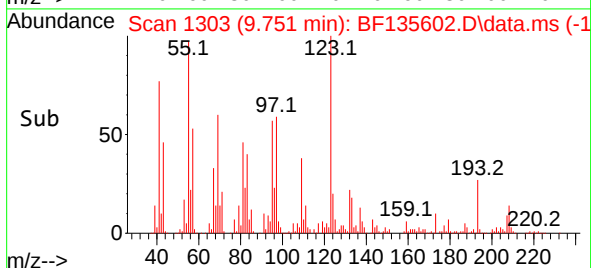
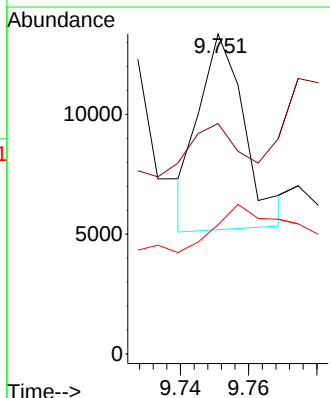
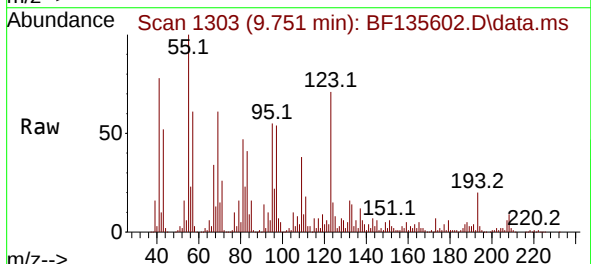
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

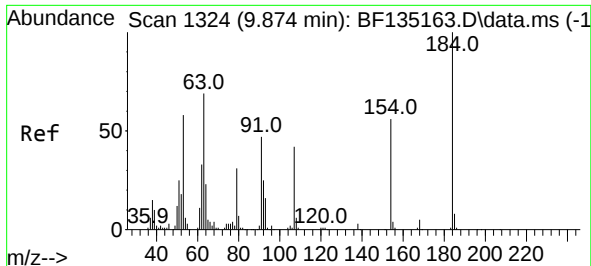
Tgt Ion:165 Resp: 7556
Ion Ratio Lower Upper
165 100
63 28.4 59.4 89.2#
89 13.8 49.8 74.8#



#53
3-Nitroaniline
Concen: 3.616 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.006 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

Tgt Ion:138 Resp: 7590
Ion Ratio Lower Upper
138 100
108 72.0 8.5 12.7#
92 40.4 95.4 143.0#

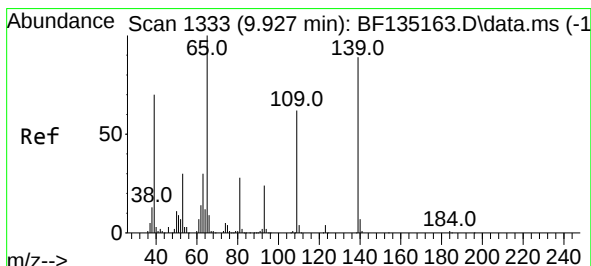
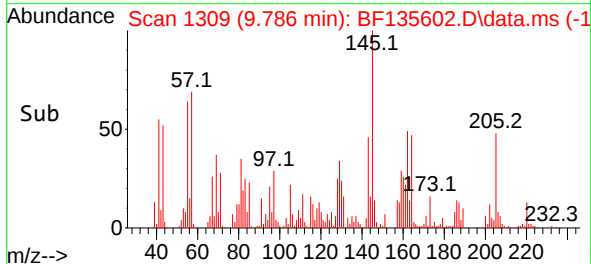
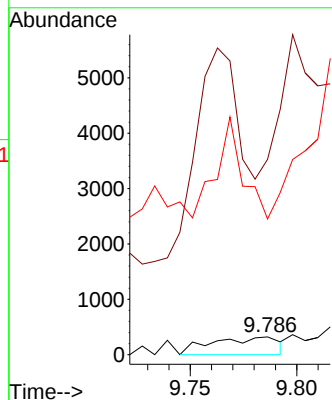
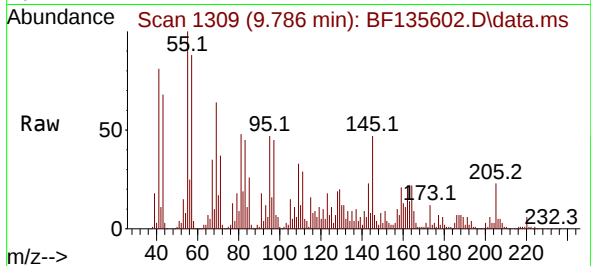




#54
2,4-Dinitrophenol
Concen: 6.885 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.076 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

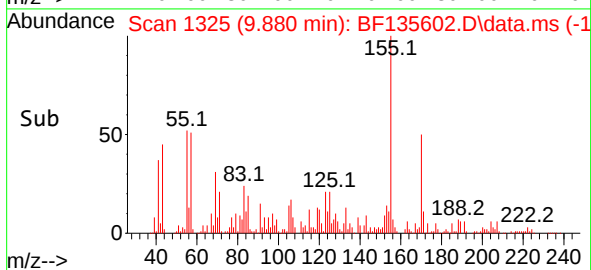
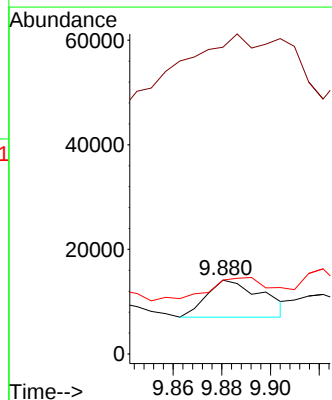
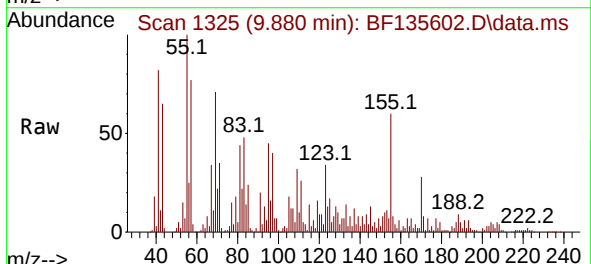
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

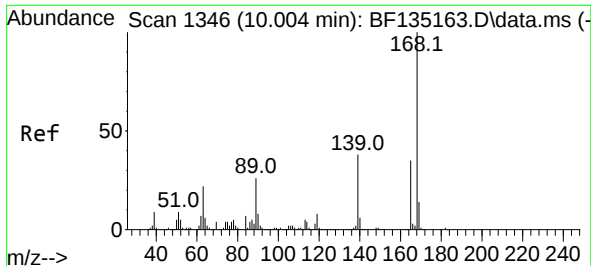
Tgt Ion:184 Resp: 702
Ion Ratio Lower Upper
184 100
63 1095.3 55.1 82.7#
154 761.5 48.4 72.6#



#56
4-Nitrophenol
Concen: 8.410 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.047 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

Tgt Ion:139 Resp: 11219
Ion Ratio Lower Upper
139 100
109 415.6 49.8 89.8#
65 100.2 92.7 132.7

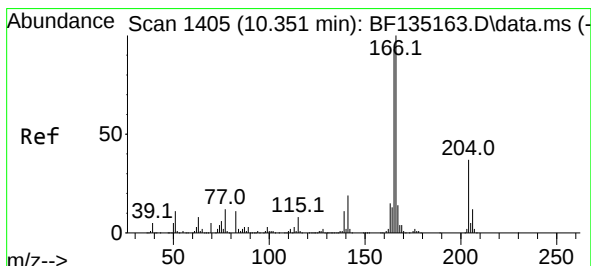
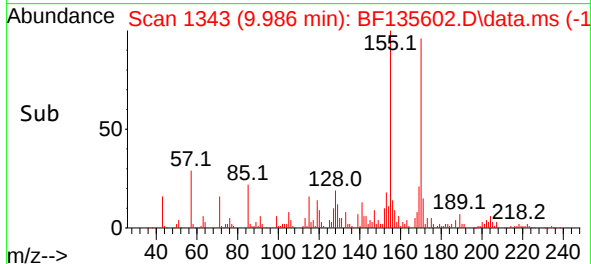
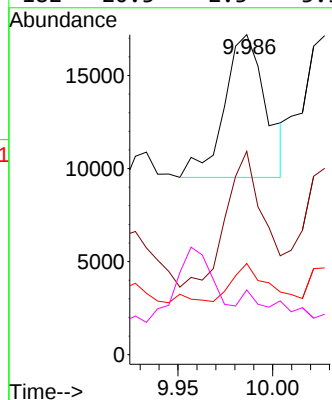
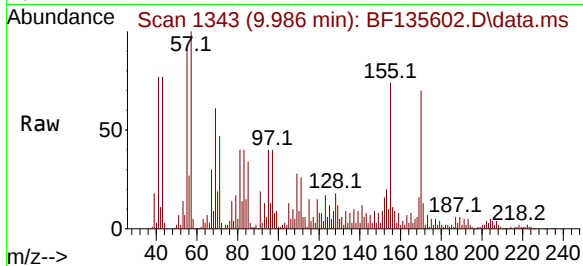




#57
2,4-Dinitrotoluene
Concen: 5.241 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

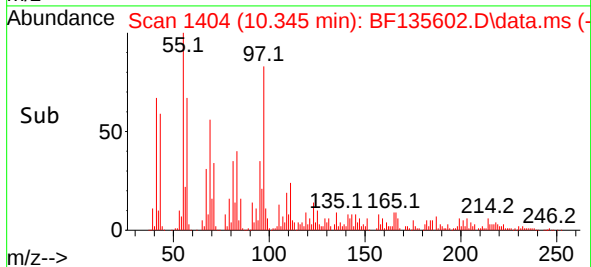
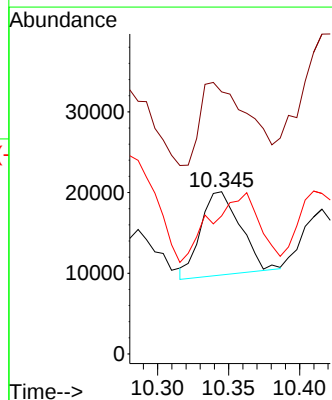
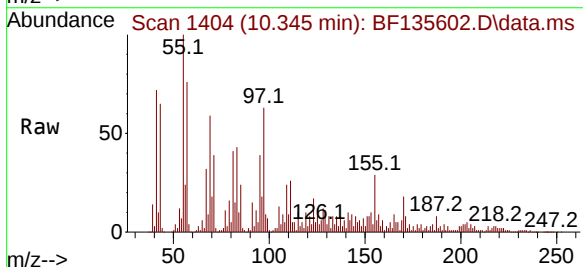
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

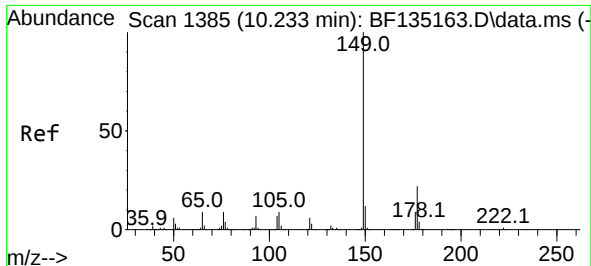
Tgt Ion:165 Resp: 11732
Ion Ratio Lower Upper
165 100
63 63.6 50.1 75.1
89 28.5 59.3 88.9#
182 20.3 2.3 3.5#



#58
Fluorene
Concen: 2.609 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.018 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

Tgt Ion:166 Resp: 20229
Ion Ratio Lower Upper
166 100
165 161.6 74.3 111.5#
167 85.1 10.9 16.3#

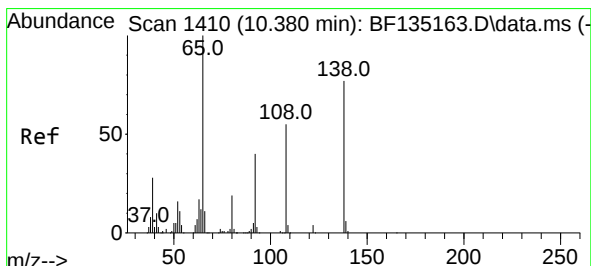
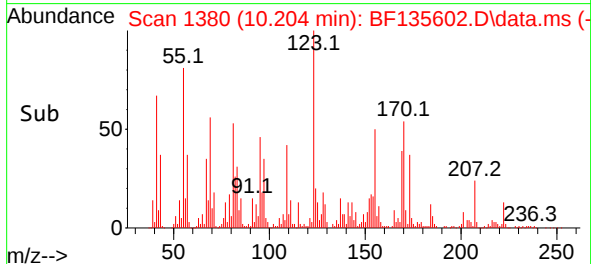
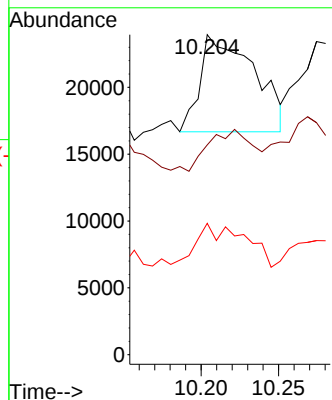
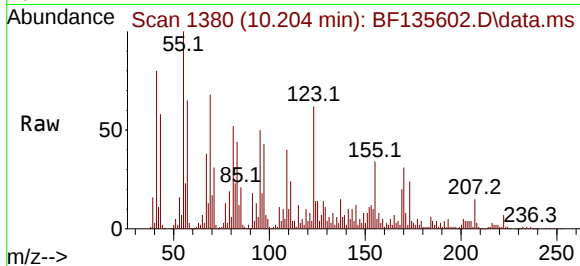




#60
Diethylphthalate
Concen: 2.141 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.000 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

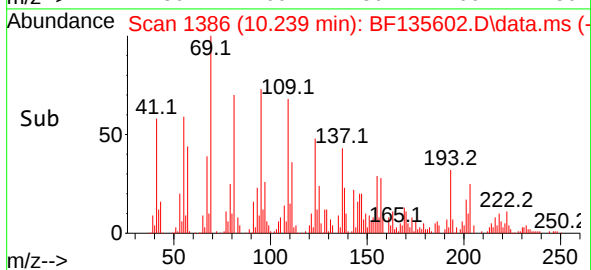
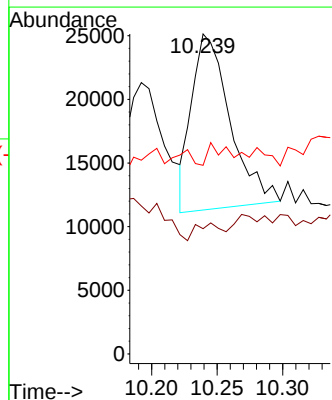
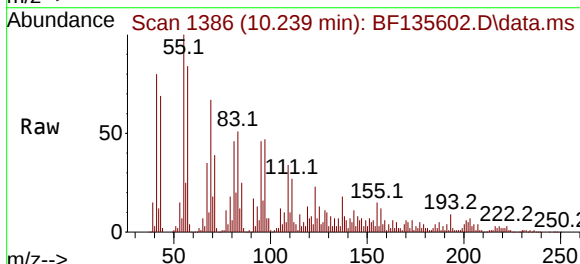
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

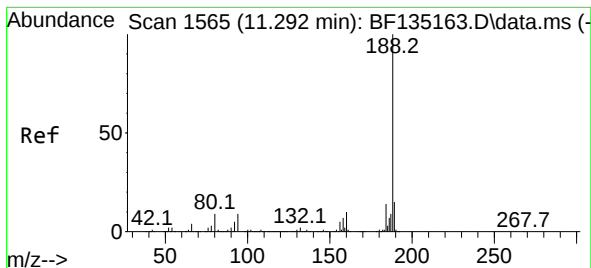
Tgt Ion:149 Resp: 17538
Ion Ratio Lower Upper
149 100
177 65.6 17.8 26.6#
150 41.1 10.0 15.0#



#62
4-Nitroaniline
Concen: 13.960 ng
RT: 10.239 min Scan# 1386
Delta R.T. -0.123 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

Tgt Ion:138 Resp: 28167
Ion Ratio Lower Upper
138 100
92 39.1 31.8 71.8
108 58.9 52.0 92.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. 0.047 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

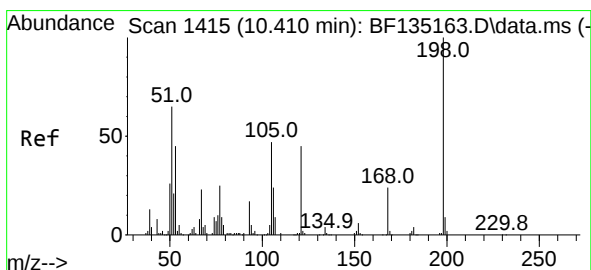
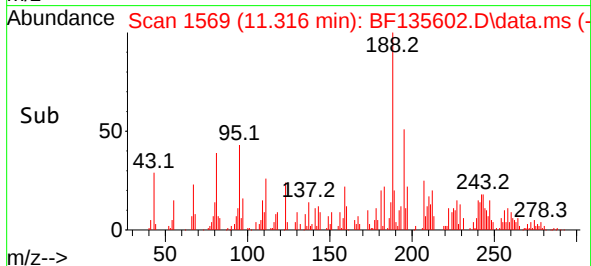
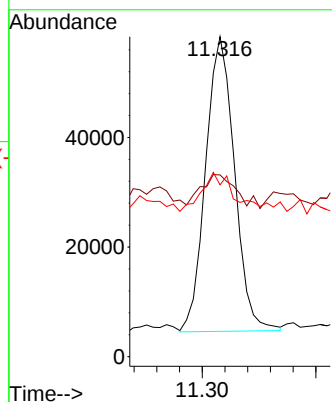
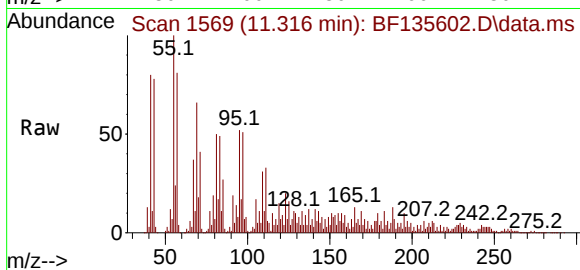
Tgt Ion:188 Resp: 94936

Ion Ratio Lower Upper

188 100

94 56.8 7.0 10.6#

80 53.7 7.5 11.3#



#65

4,6-Dinitro-2-methylphenol

Concen: 14.446 ng

RT: 10.445 min Scan# 1421

Delta R.T. 0.047 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

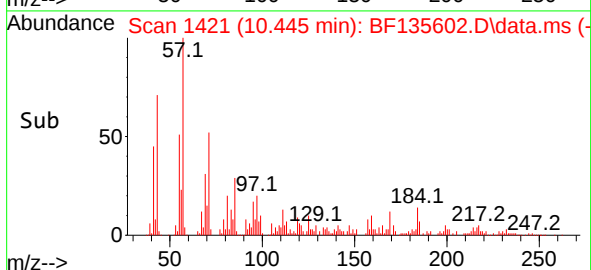
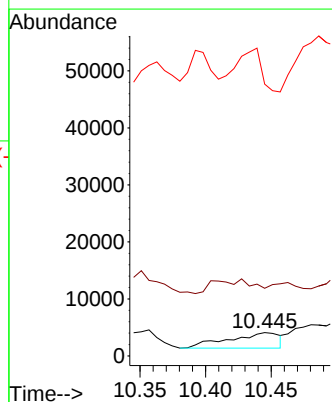
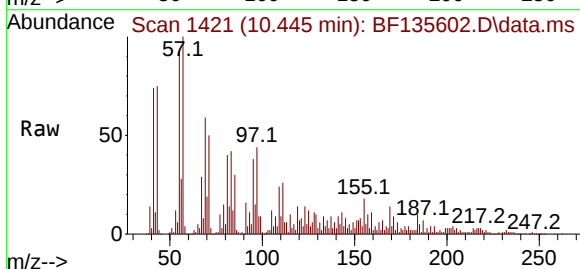
Tgt Ion:198 Resp: 7284

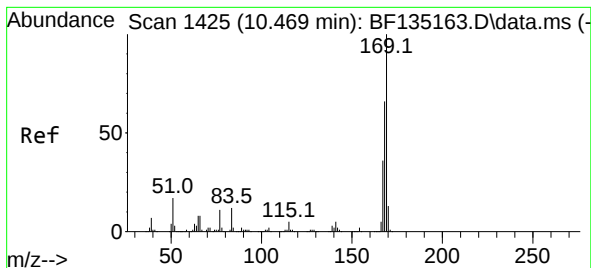
Ion Ratio Lower Upper

198 100

51 290.1 47.7 87.7#

105 1164.8 27.4 67.4#

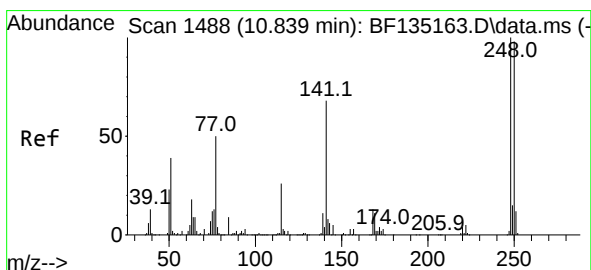
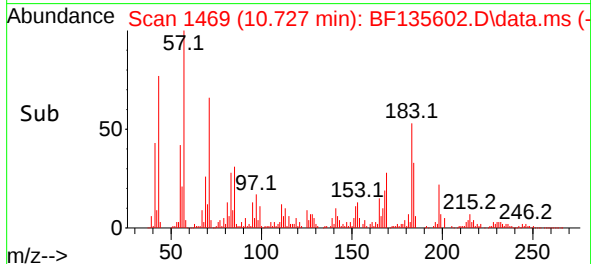
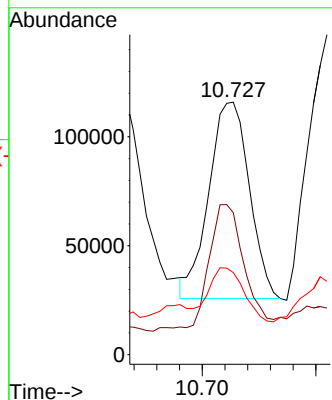
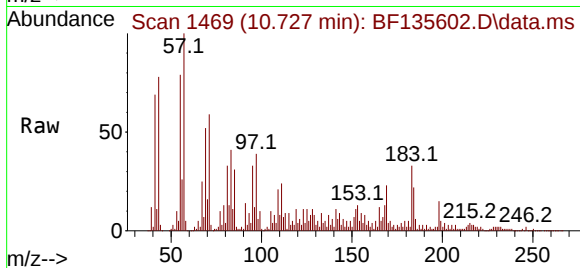




#66
n-Nitrosodiphenylamine
Concen: 77.559 ng
RT: 10.727 min Scan# 1425
Delta R.T. 0.282 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

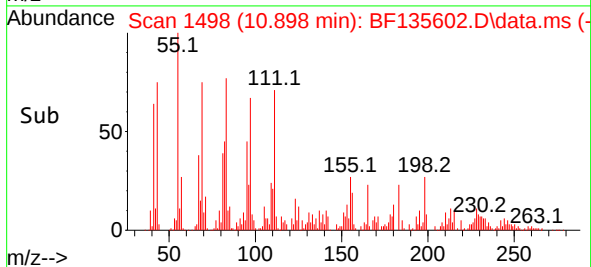
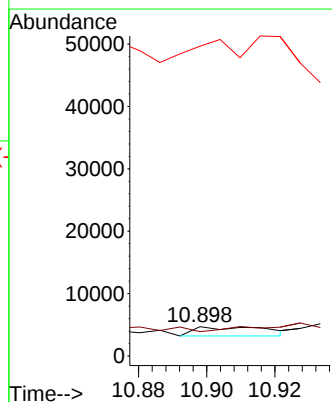
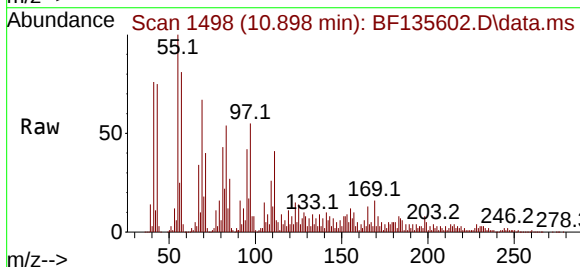
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

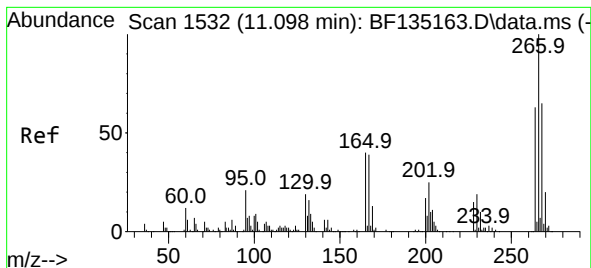
Tgt Ion:169 Resp: 222918
Ion Ratio Lower Upper
169 100
168 56.2 52.8 79.2
167 32.5 29.0 43.6



#67
4-Bromophenyl-phenylether
Concen: 2.246 ng
RT: 10.898 min Scan# 1498
Delta R.T. 0.088 min
Lab File: BF135602.D
Acq: 05 Oct 2023 16:31

Tgt Ion:248 Resp: 2121
Ion Ratio Lower Upper
248 100
250 83.3 78.6 117.8
141 1059.7 54.2 81.2#





#70

Pentachlorophenol

Concen: 8.957 ng

RT: 11.157 min Scan# 1

Delta R.T. 0.077 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

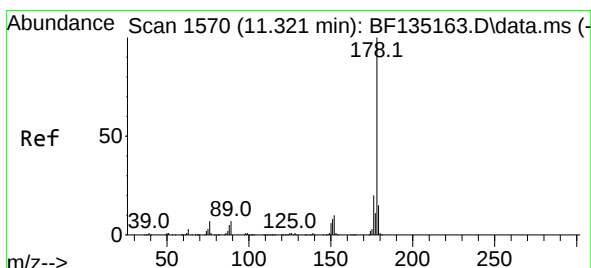
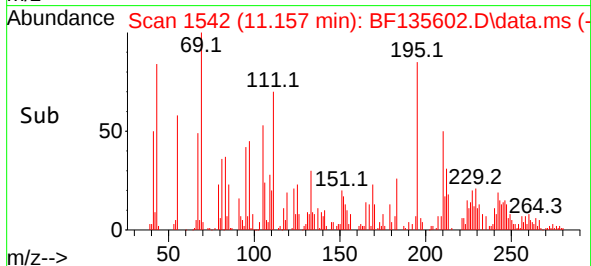
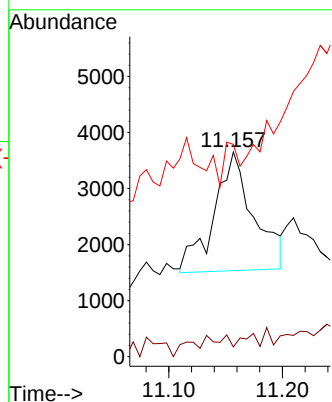
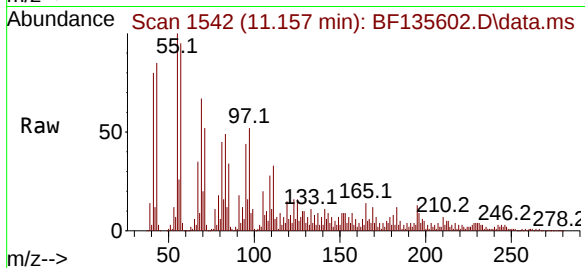
Tgt Ion:266 Resp: 5155

Ion Ratio Lower Upper

266 100

268 4.8 52.1 78.1#

264 103.8 50.8 76.2#



#71

Phenanthrene

Concen: 31.865 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.053 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

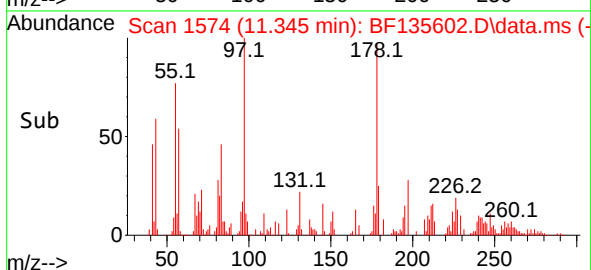
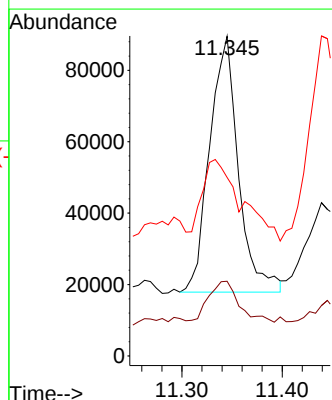
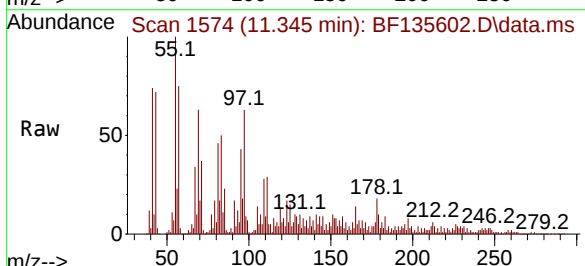
Tgt Ion:178 Resp: 143074

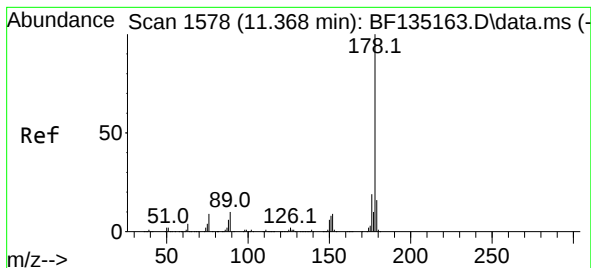
Ion Ratio Lower Upper

178 100

176 23.4 15.6 23.4

179 55.9 12.0 18.0#





#72

Anthracene

Concen: 10.246 ng

RT: 11.439 min Scan# 1

Delta R.T. 0.094 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

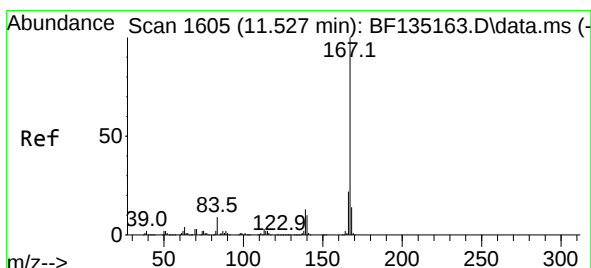
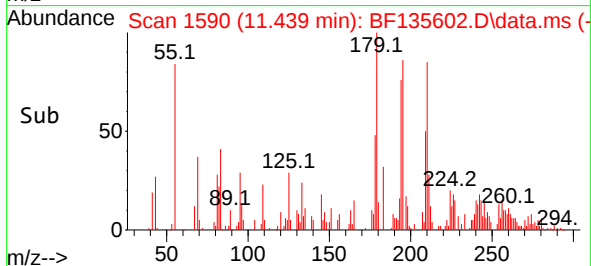
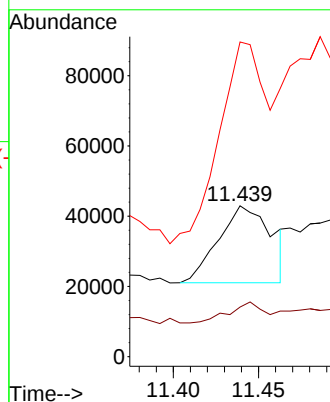
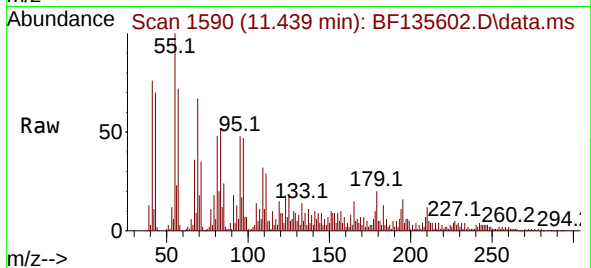
Tgt Ion:178 Resp: 47289

Ion Ratio Lower Upper

178 100

176 32.8 15.4 23.2#

179 208.7 12.6 19.0#



#73

Carbazole

Concen: 2.938 ng

RT: 11.604 min Scan# 1618

Delta R.T. 0.094 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

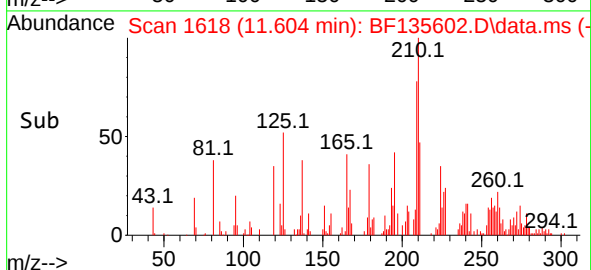
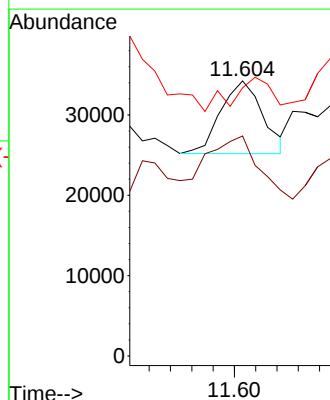
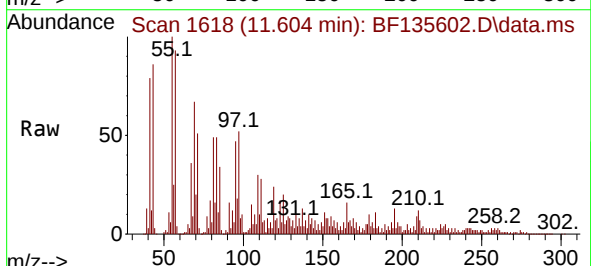
Tgt Ion:167 Resp: 12345

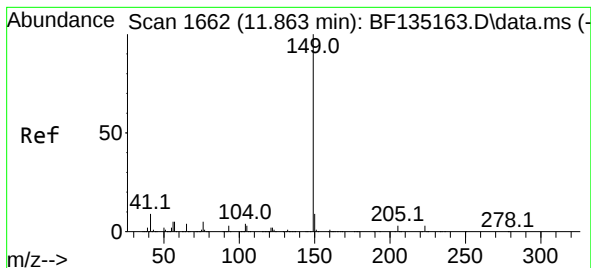
Ion Ratio Lower Upper

167 100

166 80.0 17.4 26.0#

139 97.5 10.6 15.8#





#74

Di-n-butylphthalate

Concen: 7.835 ng

RT: 11.869 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

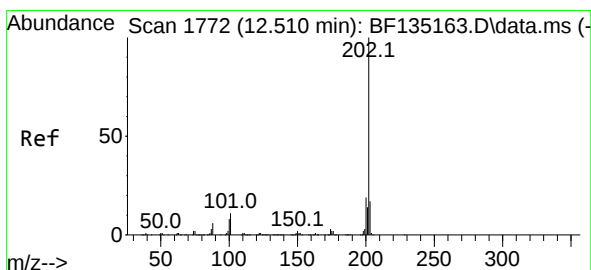
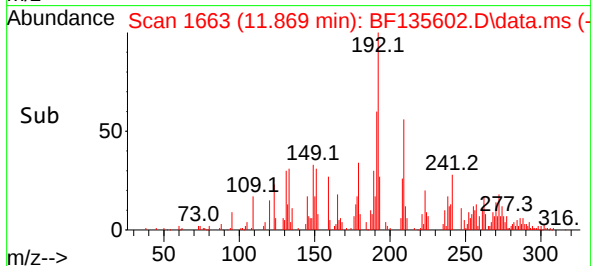
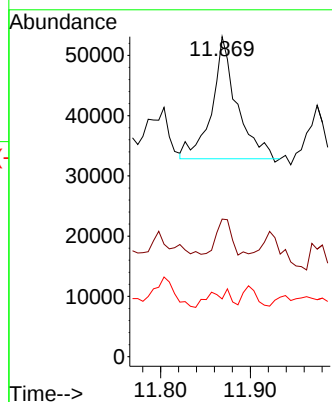
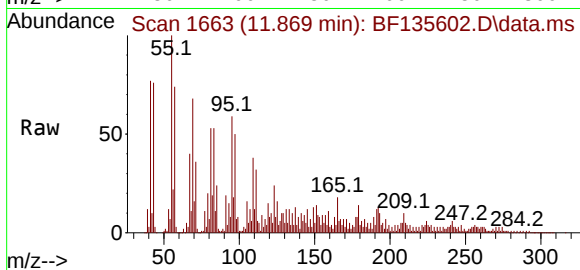
Tgt Ion:149 Resp: 38790

Ion Ratio Lower Upper

149 100

150 43.0 7.4 11.0#

104 18.0 3.6 5.4#



#75

Fluoranthene

Concen: 6.438 ng

RT: 12.545 min Scan# 1778

Delta R.T. 0.059 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

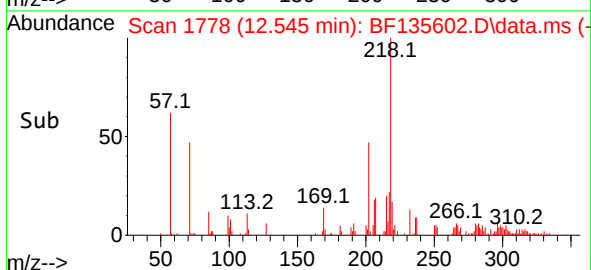
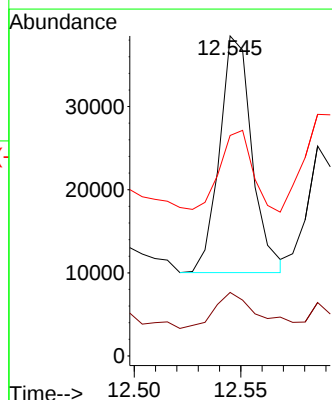
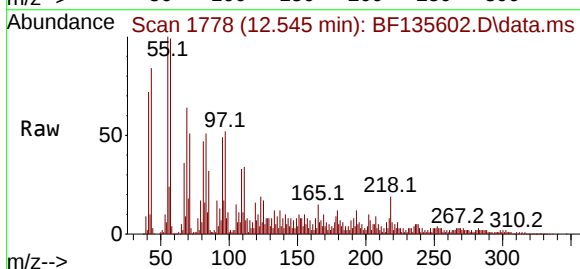
Tgt Ion:202 Resp: 30119

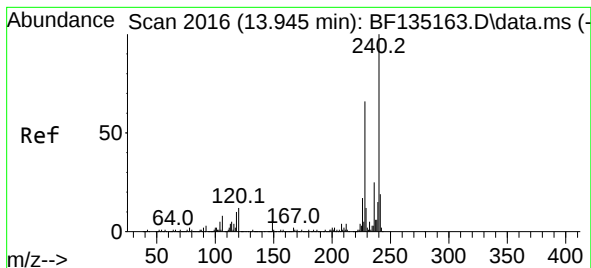
Ion Ratio Lower Upper

202 100

101 19.9 0.0 31.3

203 68.9 0.0 37.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

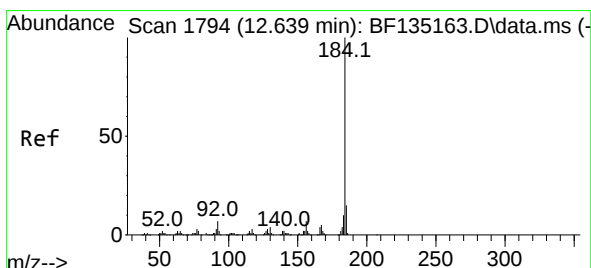
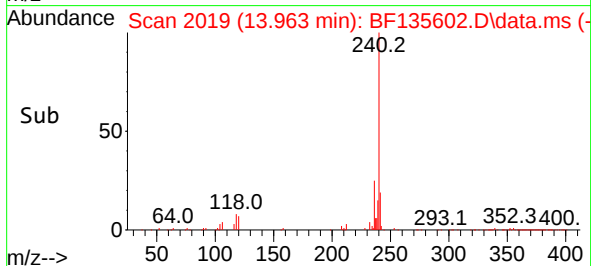
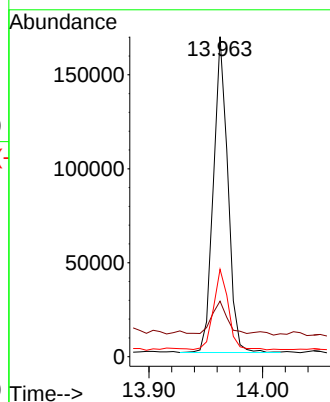
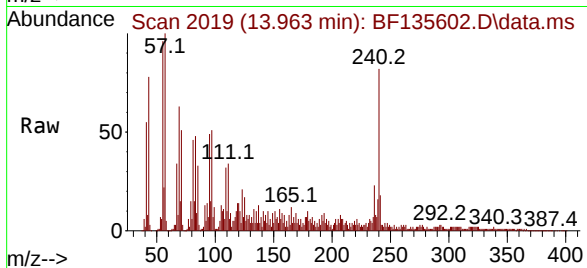
Tgt Ion:240 Resp: 148004

Ion Ratio Lower Upper

240 100

120 17.3 9.4 14.2#

236 27.3 19.8 29.8



#77

Benzidine

Concen: 4.956 ng

RT: 12.610 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF135602.D

Acq: 05 Oct 2023 16:31

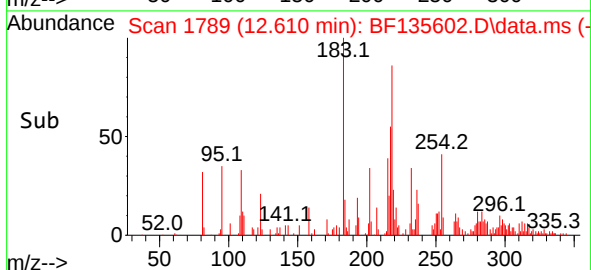
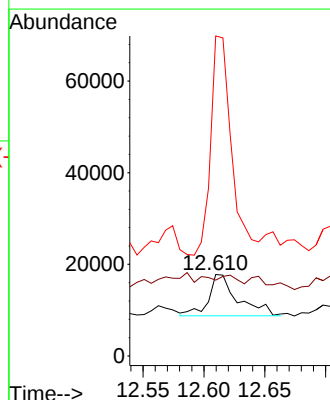
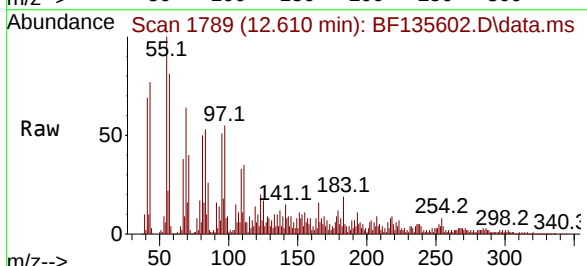
Tgt Ion:184 Resp: 15026

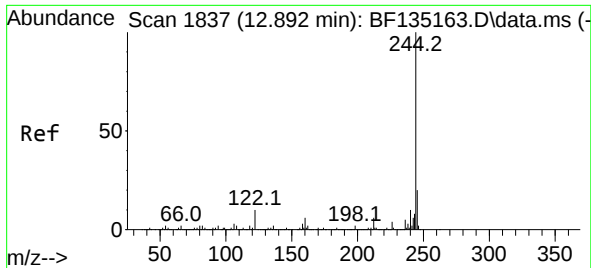
Ion Ratio Lower Upper

184 100

185 93.1 11.7 17.5#

183 392.6 8.2 12.4#

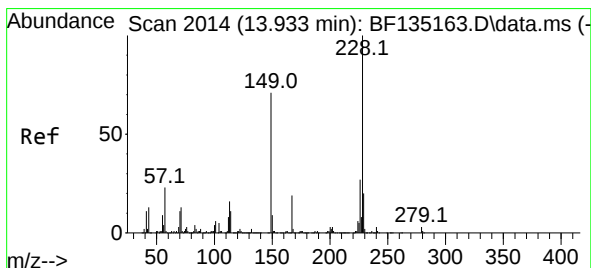
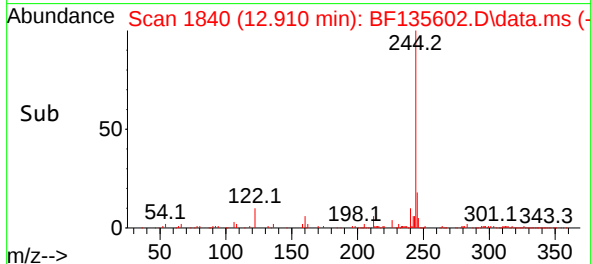
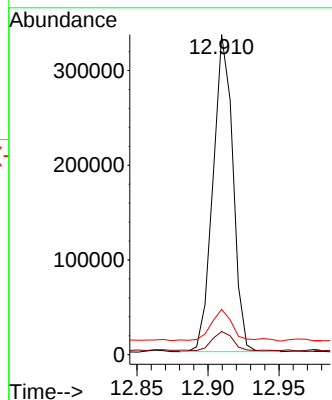
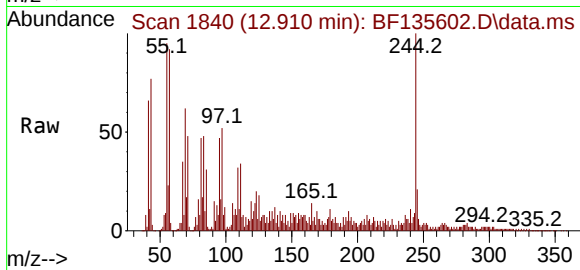




#79
 Terphenyl-d14
 Concen: 34.063 ng
 RT: 12.910 min Scan# 11
 Delta R.T. 0.047 min
 Lab File: BF135602.D
 Acq: 05 Oct 2023 16:31

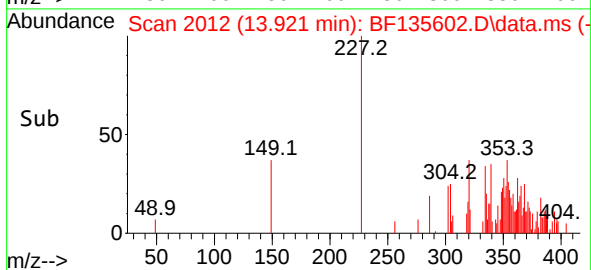
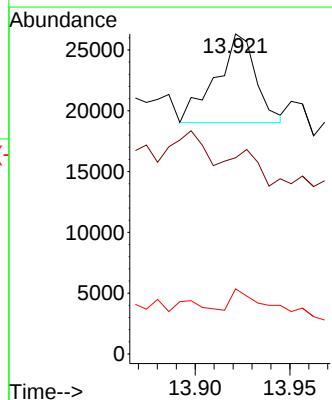
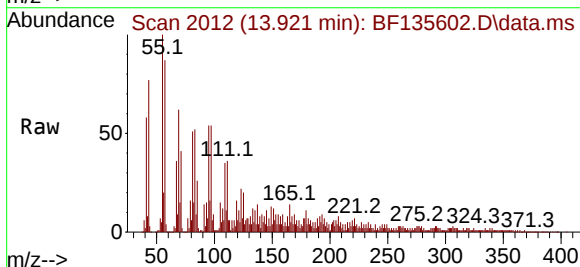
Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

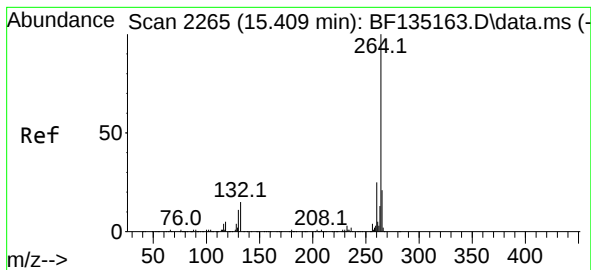
Tgt Ion:244 Resp: 325213
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.1 7.7
 122 14.1 7.9 11.9#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.093 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. 0.018 min
 Lab File: BF135602.D
 Acq: 05 Oct 2023 16:31

Tgt Ion:149 Resp: 10657
 Ion Ratio Lower Upper
 149 100
 167 61.3 21.9 32.9#
 279 20.4 3.3 4.9#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF135602.D
 Acq: 05 Oct 2023 16:31

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Tgt Ion:264 Resp: 253562
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.8 29.6
 265 22.0 17.0 25.4

