

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
 Data File : BF135618.D
 Acq On : 06 Oct 2023 00:59
 Operator : CG\JU
 Sample : 04645-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 02

Quant Time: Oct 06 03:50:41 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)

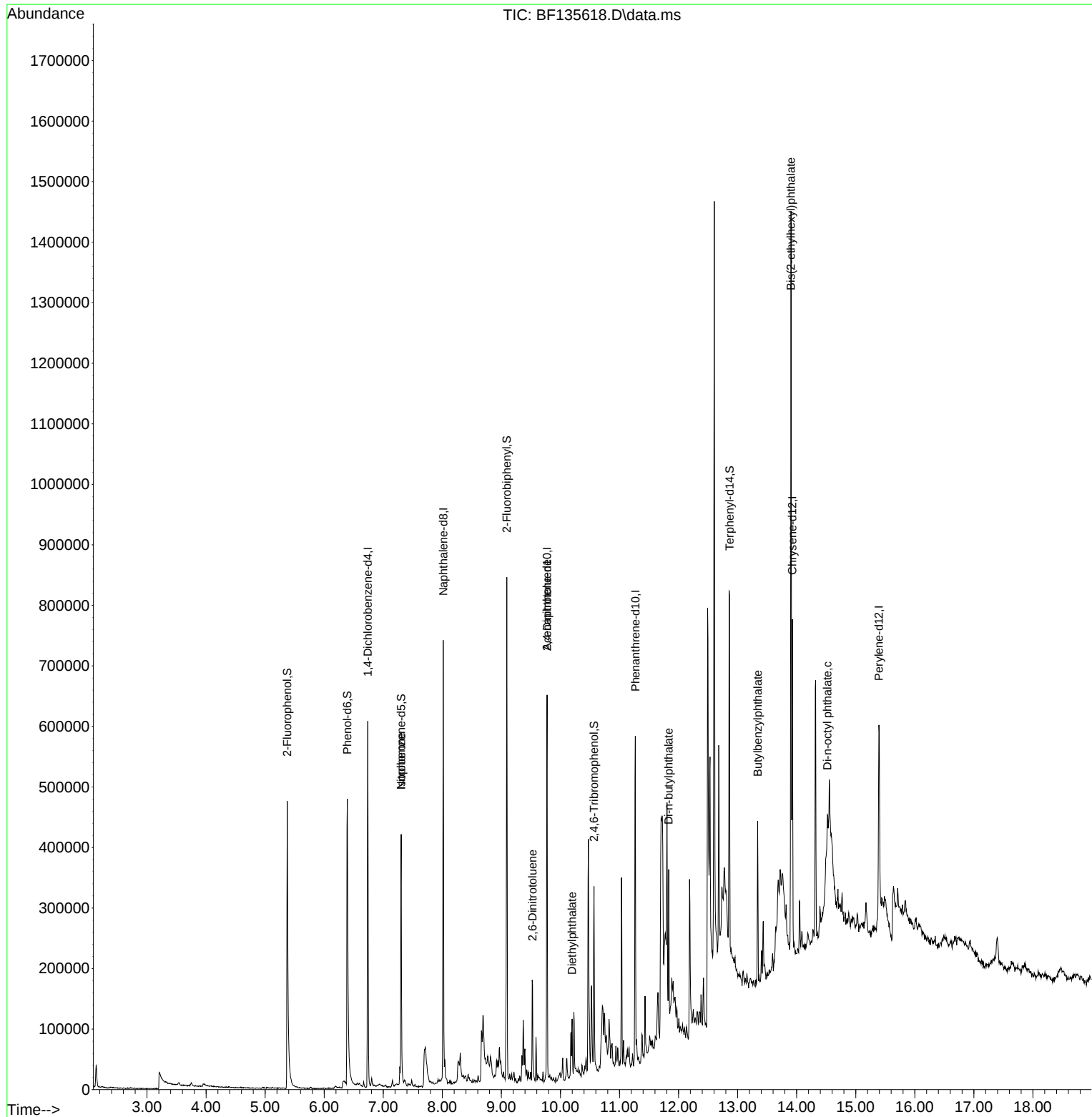
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	88031	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	288251	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	112444	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	199660	20.000	ng	0.00
76) Chrysene-d12	13.927	240	178395	20.000	ng	0.00
86) Perylene-d12	15.392	264	157248	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	170830	31.562	ng	0.00
7) Phenol-d6	6.392	99	203523	29.572	ng	0.00
23) Nitrobenzene-d5	7.304	82	122555	23.099	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	35364	31.648	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	219847	29.498	ng	0.00
79) Terphenyl-d14	12.863	244	215195	18.700	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.304	82	122554	12.579	ng	# 65
51) 2,6-Dinitrotoluene	9.528	165	15129	9.084	ng	# 18
57) 2,4-Dinitrotoluene	9.775	165	14736	7.068	ng	# 19
60) Diethylphthalate	10.198	149	31391	4.114	ng	97
74) Di-n-butylphthalate	11.833	149	105707	10.153	ng	99
80) Butylbenzylphthalate	13.339	149	58894	9.849	ng	98
84) Bis(2-ethylhexyl)phtha...	13.904	149	305013	49.705	ng	99
85) Di-n-octyl phthalate	14.521	149	58954	6.045	ng	# 59

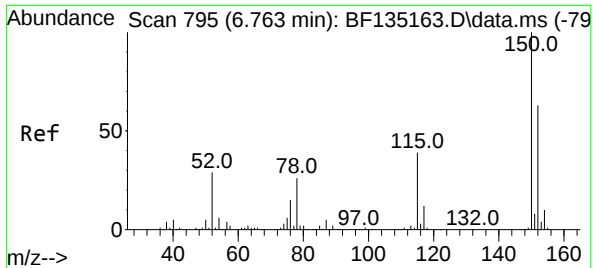
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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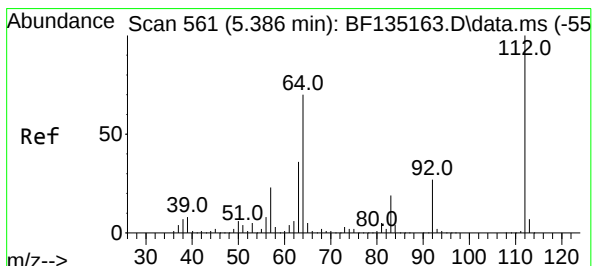
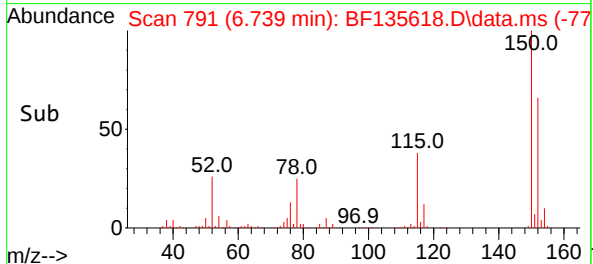
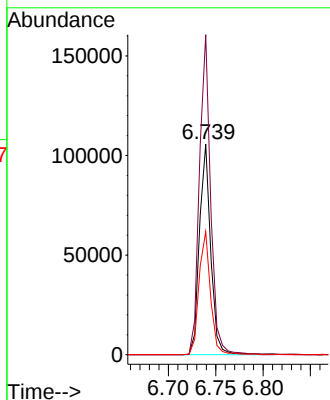
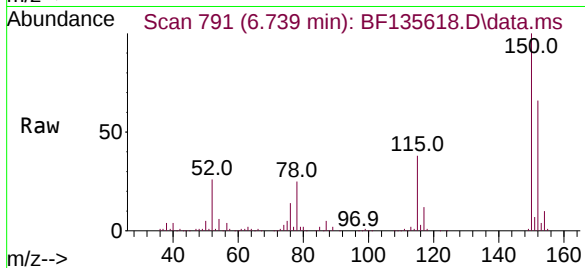




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135618.D
 Acq: 06 Oct 2023 00:59

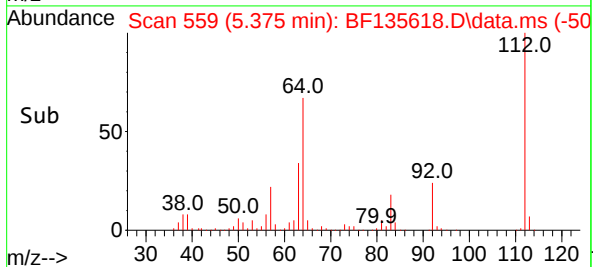
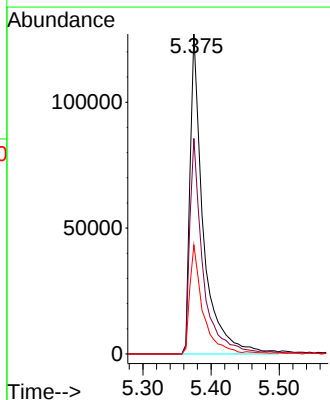
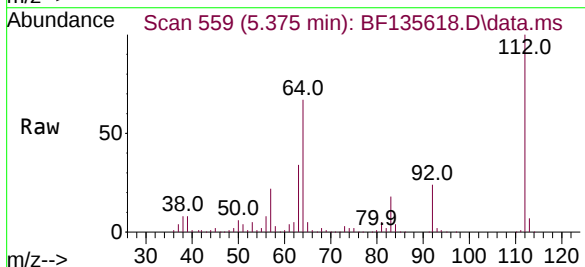
Instrument :
 BNA_F
 ClientSampleId :
 02

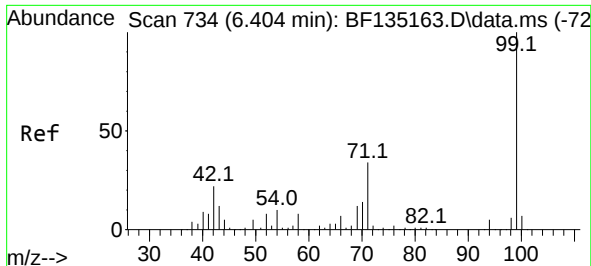
Tgt Ion:152 Resp: 88031
 Ion Ratio Lower Upper
 152 100
 150 152.0 127.8 191.6
 115 58.4 49.8 74.8



#5
 2-Fluorophenol
 Concen: 31.562 ng
 RT: 5.375 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: BF135618.D
 Acq: 06 Oct 2023 00:59

Tgt Ion:112 Resp: 170830
 Ion Ratio Lower Upper
 112 100
 64 67.3 55.9 83.9
 63 34.0 29.0 43.6

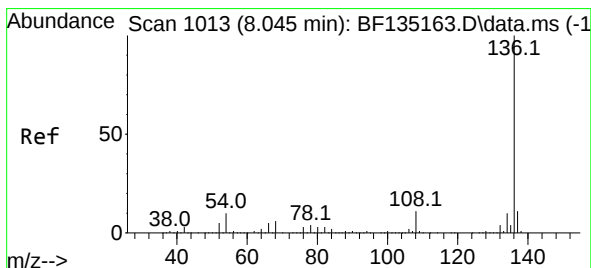
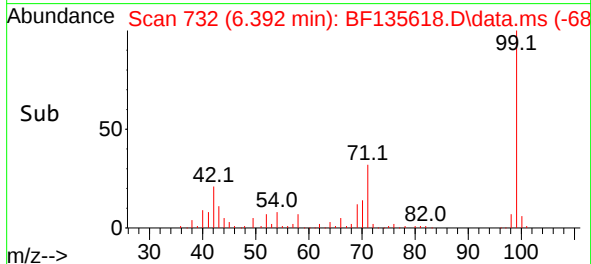
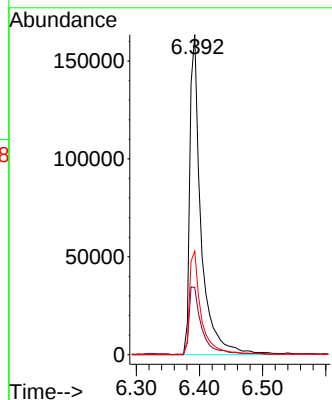
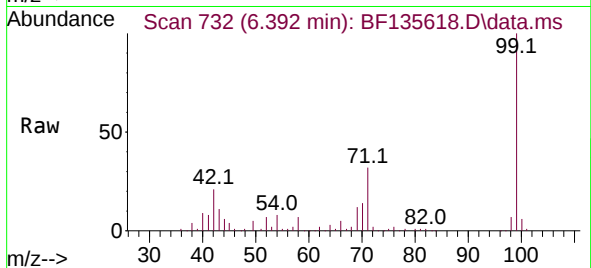




#7
Phenol-d6
Concen: 29.572 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135618.D
Acq: 06 Oct 2023 00:59

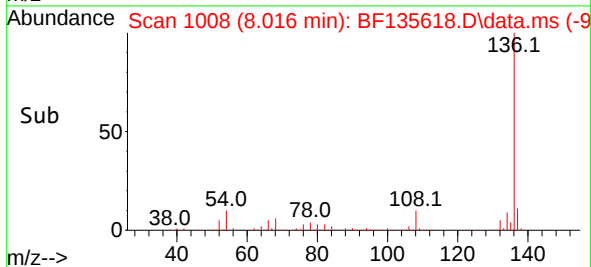
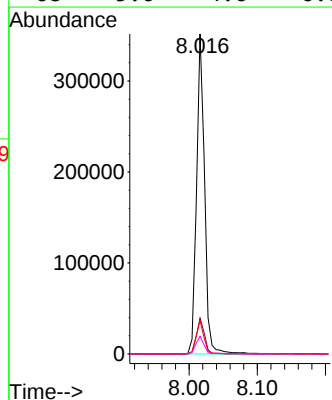
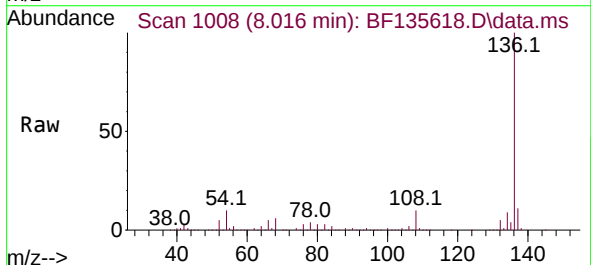
Instrument :
BNA_F
ClientSampleId :
02

Tgt Ion: 99 Resp: 203523
Ion Ratio Lower Upper
99 100
42 21.0 17.9 26.9
71 32.4 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135618.D
Acq: 06 Oct 2023 00:59

Tgt Ion: 136 Resp: 288251
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.4 7.7 11.5
68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 23.099 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

02

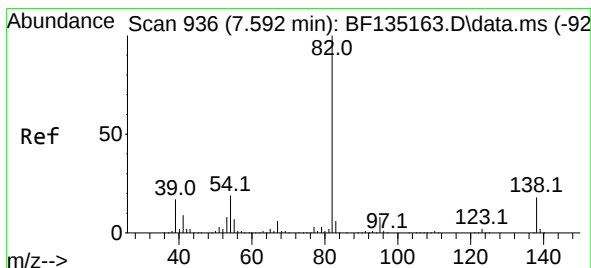
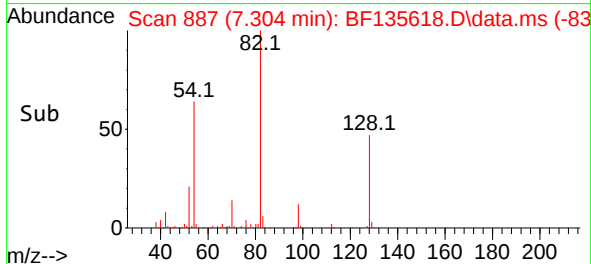
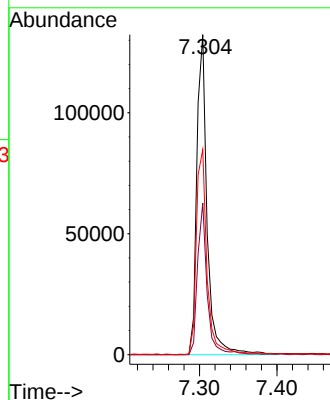
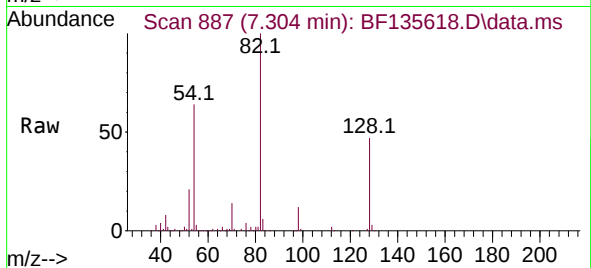
Tgt Ion: 82 Resp: 122555

Ion Ratio Lower Upper

82 100

128 47.4 35.8 53.6

54 64.1 50.6 76.0



#25

Isophorone

Concen: 12.579 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.259 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

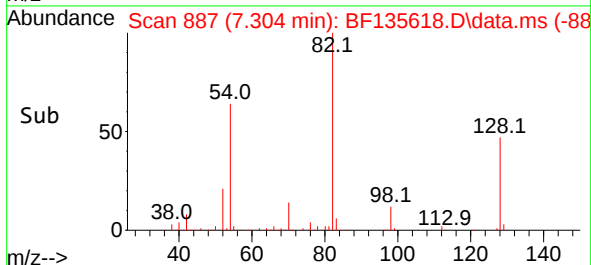
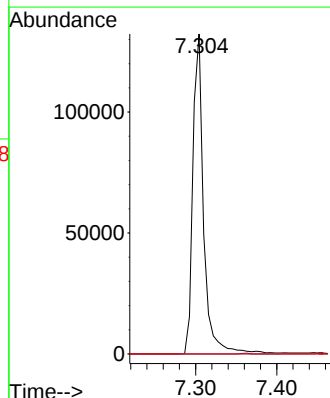
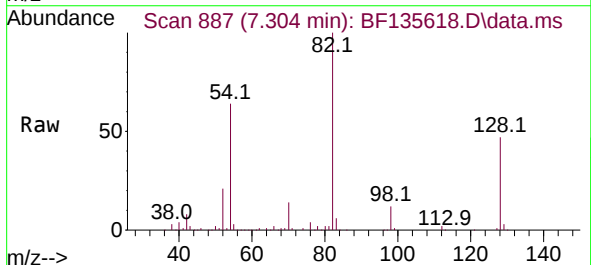
Tgt Ion: 82 Resp: 122554

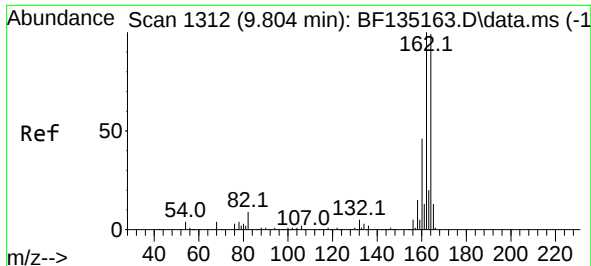
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

02

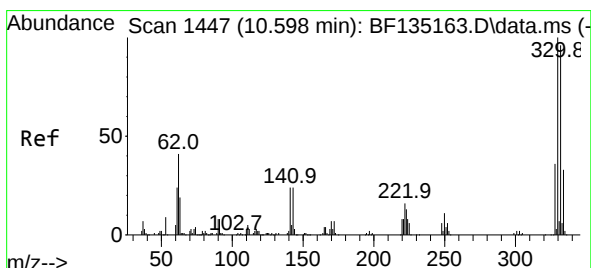
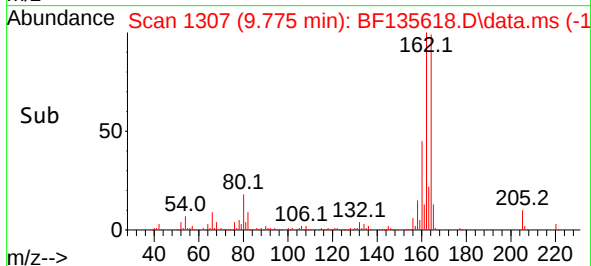
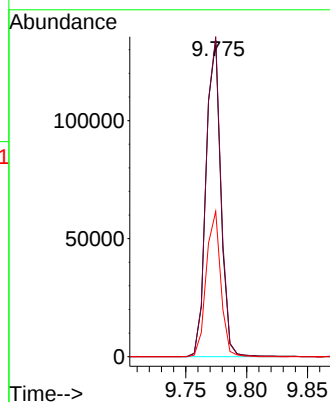
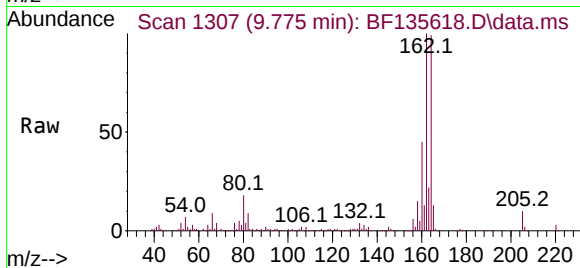
Tgt Ion:164 Resp: 112444

Ion Ratio Lower Upper

164 100

162 101.1 81.0 121.4

160 45.9 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 31.648 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

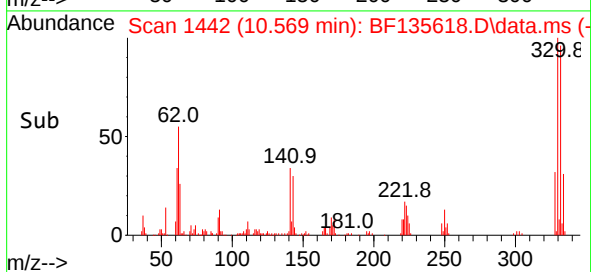
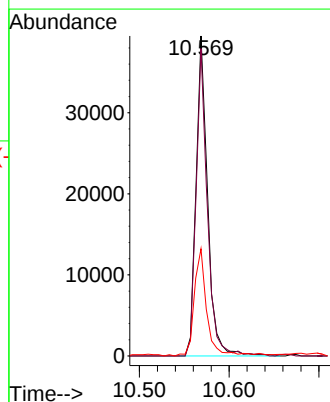
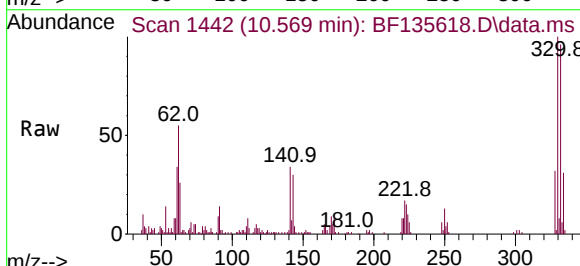
Tgt Ion:330 Resp: 35364

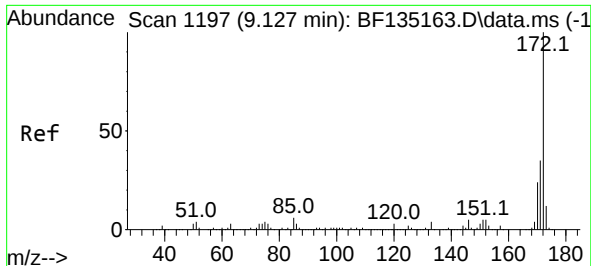
Ion Ratio Lower Upper

330 100

332 93.8 77.3 115.9

141 36.1 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 29.498 ng

RT: 9.092 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

02

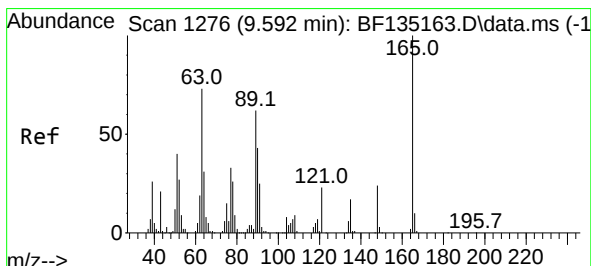
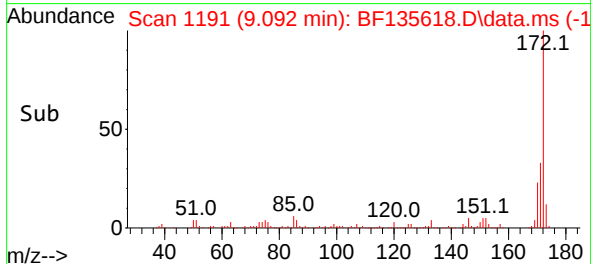
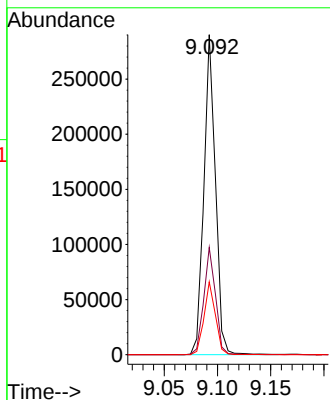
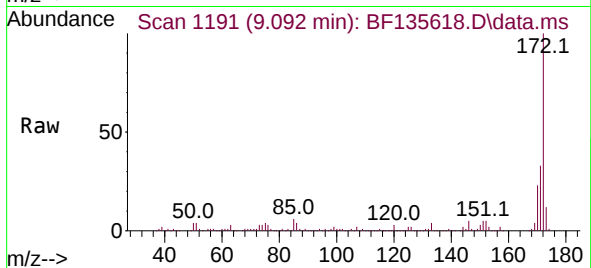
Tgt Ion:172 Resp: 219847

Ion Ratio Lower Upper

172 100

171 33.5 28.4 42.6

170 22.8 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 9.084 ng

RT: 9.528 min Scan# 1265

Delta R.T. -0.047 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

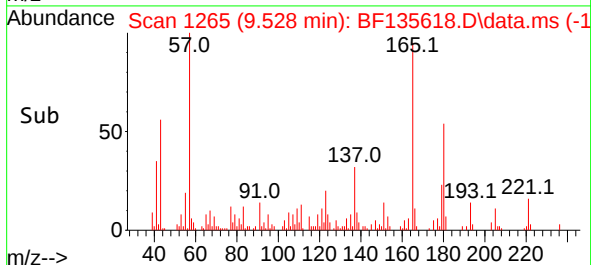
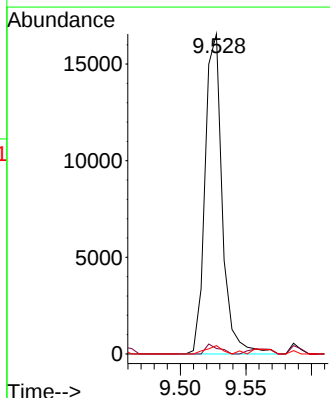
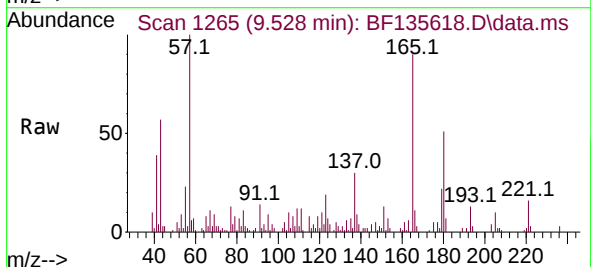
Tgt Ion:165 Resp: 15129

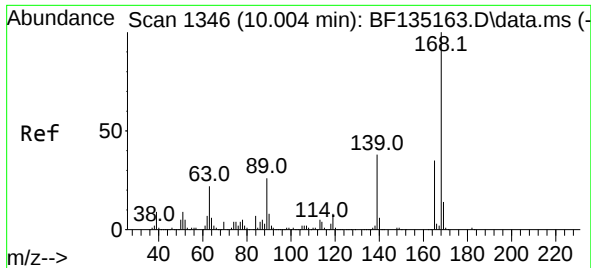
Ion Ratio Lower Upper

165 100

63 1.7 59.4 89.2#

89 2.6 49.8 74.8#

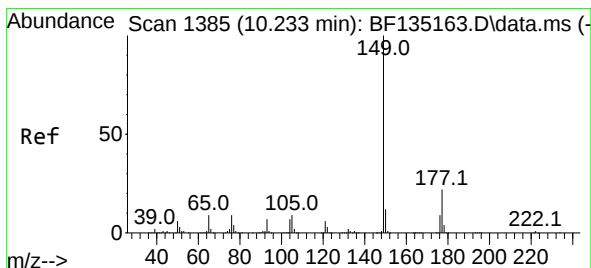
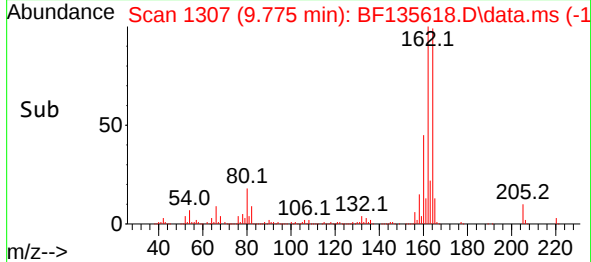
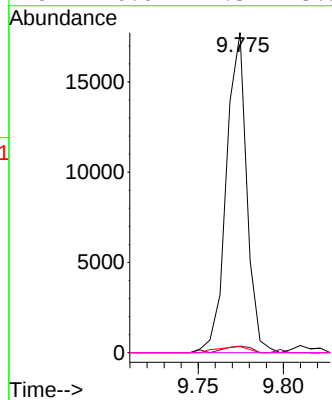
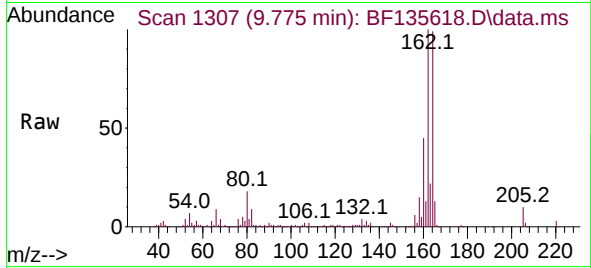




#57
2,4-Dinitrotoluene
Concen: 7.068 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135618.D
Acq: 06 Oct 2023 00:59

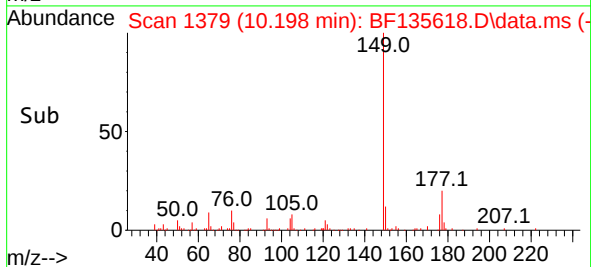
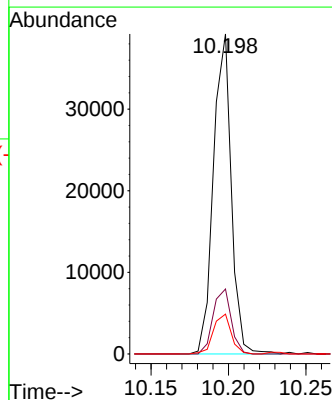
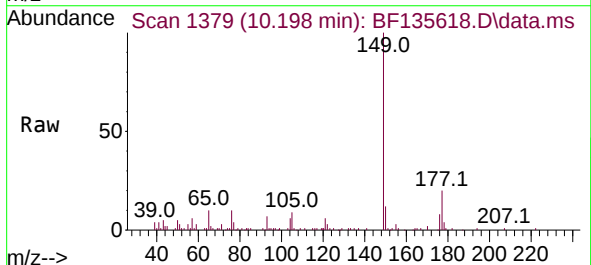
Instrument :
BNA_F
ClientSampleId :
02

Tgt Ion:165 Resp: 14736
Ion Ratio Lower Upper
165 100
63 2.0 50.1 75.1#
89 1.9 59.3 88.9#
182 0.0 2.3 3.5#



#60
Diethylphthalate
Concen: 4.114 ng
RT: 10.198 min Scan# 1379
Delta R.T. -0.006 min
Lab File: BF135618.D
Acq: 06 Oct 2023 00:59

Tgt Ion:149 Resp: 31391
Ion Ratio Lower Upper
149 100
177 20.3 17.8 26.6
150 12.5 10.0 15.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

02

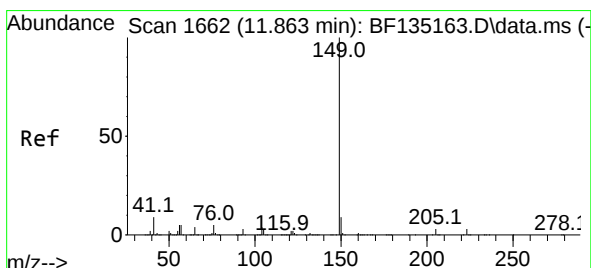
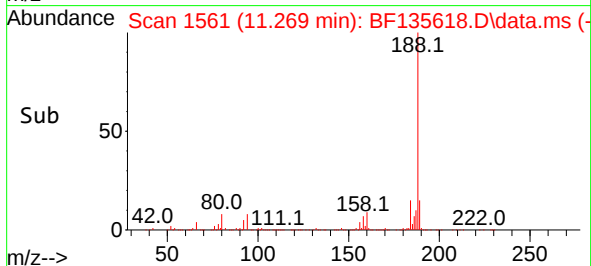
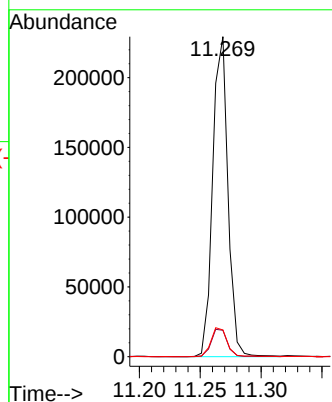
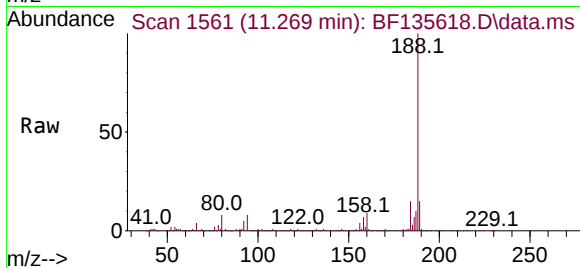
Tgt Ion:188 Resp: 199660

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

80 8.4 7.5 11.3



#74

Di-n-butylphthalate

Concen: 10.153 ng

RT: 11.833 min Scan# 1657

Delta R.T. 0.000 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

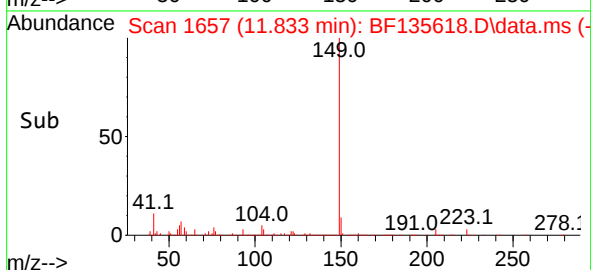
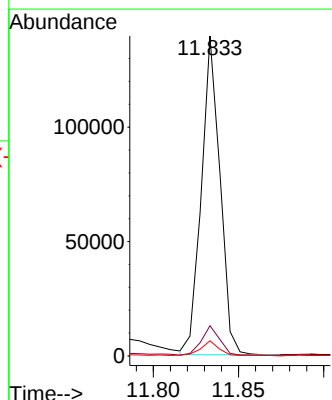
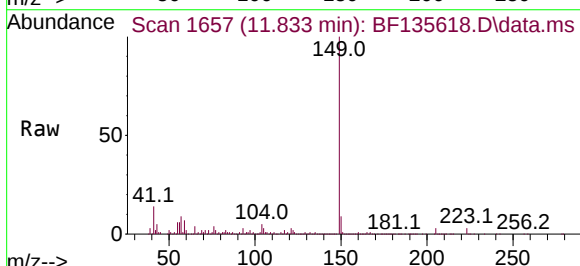
Tgt Ion:149 Resp: 105707

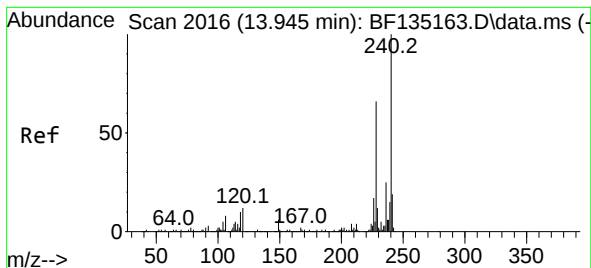
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 4.8 3.6 5.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

02

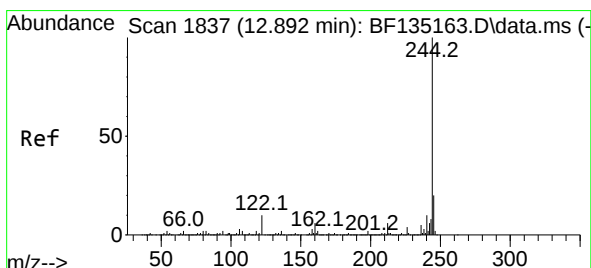
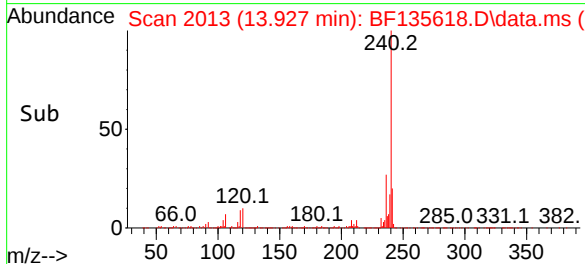
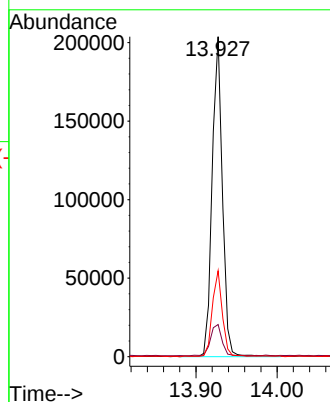
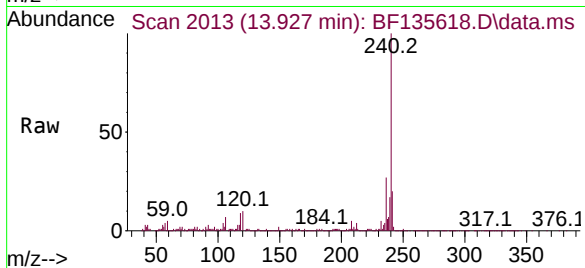
Tgt Ion:240 Resp: 178395

Ion Ratio Lower Upper

240 100

120 10.1 9.4 14.2

236 26.9 19.8 29.8



#79

Terphenyl-d14

Concen: 18.700 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

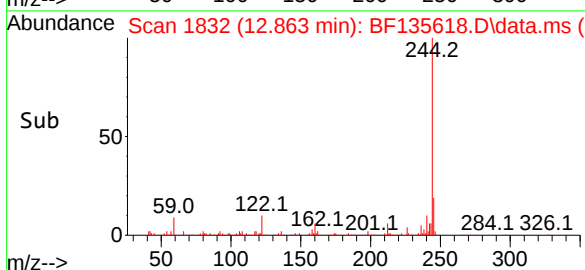
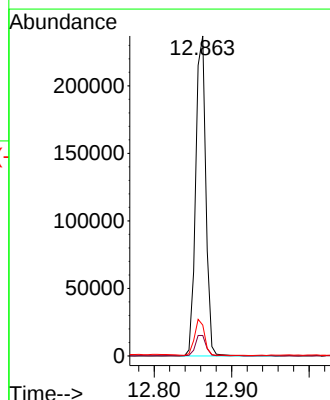
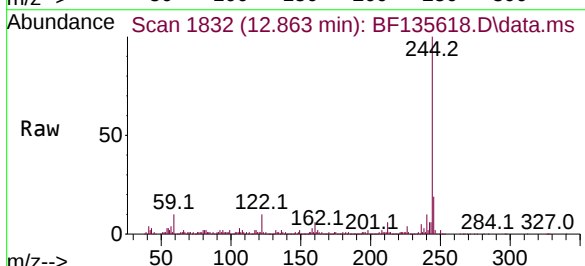
Tgt Ion:244 Resp: 215195

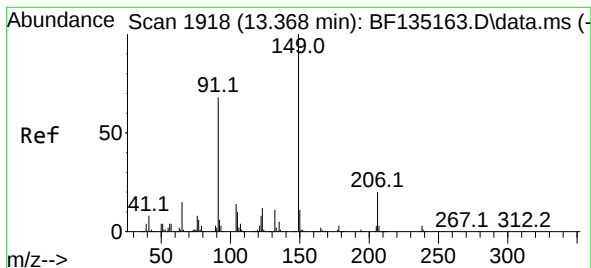
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 9.7 7.9 11.9





#80

Butylbenzylphthalate

Concen: 9.849 ng

RT: 13.339 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

02

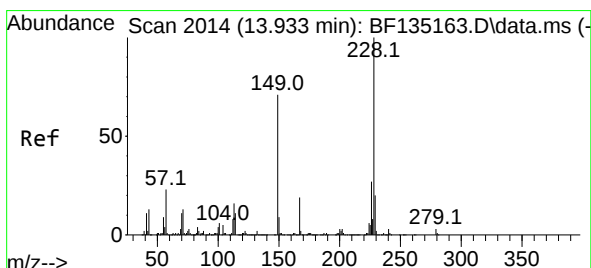
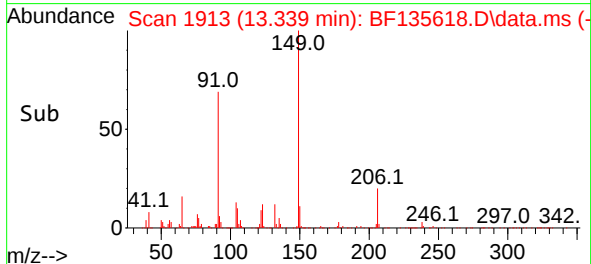
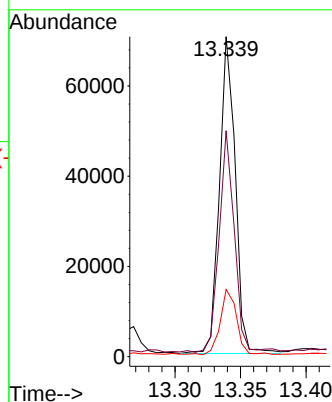
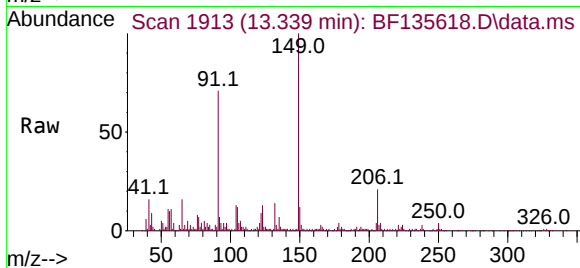
Tgt Ion:149 Resp: 58894

Ion Ratio Lower Upper

149 100

91 70.6 54.7 82.1

206 21.0 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.705 ng

RT: 13.904 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF135618.D

Acq: 06 Oct 2023 00:59

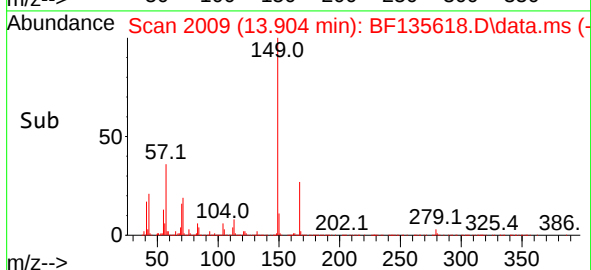
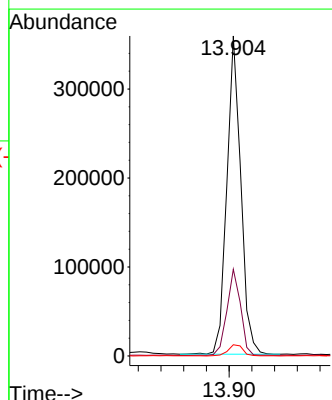
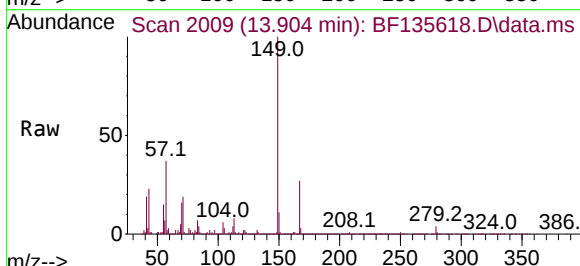
Tgt Ion:149 Resp: 305013

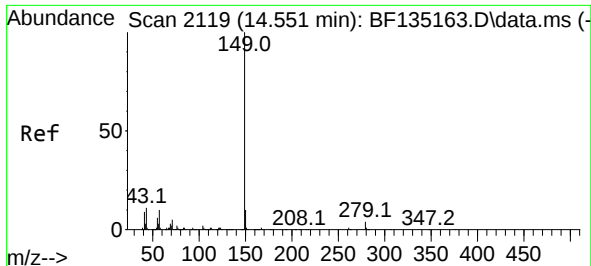
Ion Ratio Lower Upper

149 100

167 27.1 21.9 32.9

279 3.5 3.3 4.9

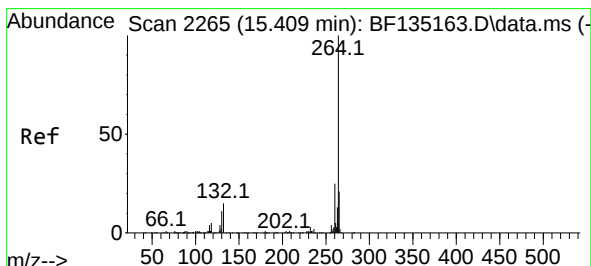
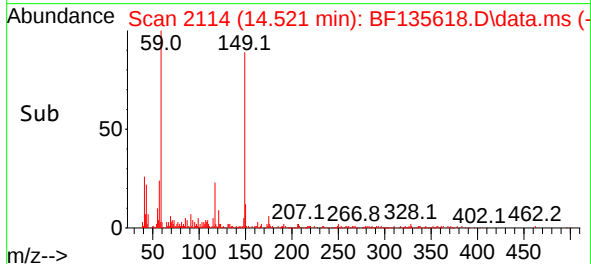
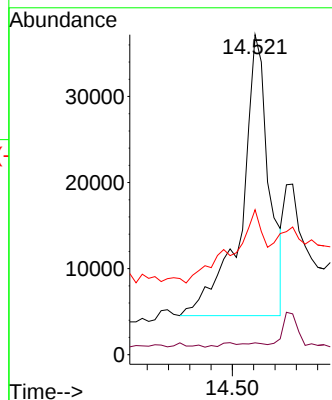
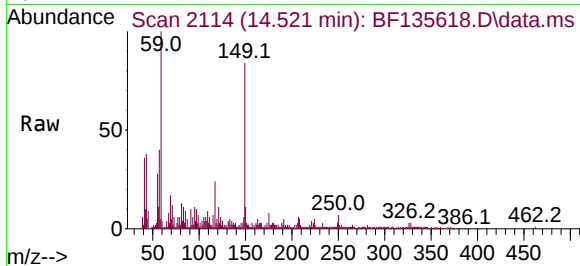




#85
Di-n-octyl phthalate
Concen: 6.045 ng
RT: 14.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BF135618.D
Acq: 06 Oct 2023 00:59

Instrument :
BNA_F
ClientSampleId :
02

Tgt Ion:149 Resp: 58954
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 29.7 9.8 14.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF135618.D
Acq: 06 Oct 2023 00:59

Tgt Ion:264 Resp: 157248
Ion Ratio Lower Upper
264 100
260 23.8 19.8 29.6
265 23.0 17.0 25.4

