

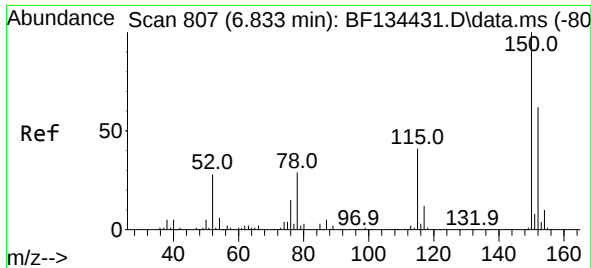
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072423\
 Data File : BF134442.D
 Acq On : 24 Jul 2023 22:17
 Operator : CG\JU
 Sample : 03670-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N48909

Quant Time: Jul 25 02:54:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	48353	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	177659	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	77268	20.000	ng	0.03
64) Phenanthrene-d10	11.457	188	102320	20.000	ng	# 0.09
76) Chrysene-d12	14.080	240	129452	20.000	ng	# 0.05
86) Perylene-d12	15.568	264	135494	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	134802	46.061	ng	0.00
7) Phenol-d6	6.469	99	94941	26.478	ng	-0.01
23) Nitrobenzene-d5	7.398	82	239469	68.197	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	117946	107.435	ng	0.05
45) 2-Fluorobiphenyl	9.204	172	450847	76.599	ng	0.01
79) Terphenyl-d14	13.033	244	447582	60.357	ng	0.07
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.398	70	35362	15.842	ng	# 74
25) Isophorone	7.398	82	237343	40.556	ng	# 65
49) Acenaphthylene	9.786	152	28432	3.585	ng	# 1
50) Dimethylphthalate	9.710	163	19564	3.416	ng	# 23
51) 2,6-Dinitrotoluene	9.645	165	9474	7.538	ng	# 32
53) 3-Nitroaniline	9.863	138	18388	12.761	ng	# 24
54) 2,4-Dinitrophenol	10.004	184	540	7.321	ng	# 1
60) Diethylphthalate	10.339	149	12999	2.192	ng	# 15
61) 4-Chlorophenyl-phenyle...	10.492	204	19142	6.888	ng	# 1
62) 4-Nitroaniline	10.345	138	20141	13.623	ng	96
65) 4,6-Dinitro-2-methylph...	10.545	198	1891	3.222	ng	# 1
66) n-Nitrosodiphenylamine	10.592	169	77747	23.883	ng	# 60
69) Atrazine	11.116	200	2317	2.553	ng	# 1
70) Pentachlorophenol	11.286	266	12555	23.698	ng	# 17
71) Phenanthrene	11.474	178	51539	9.641	ng	# 1
72) Anthracene	11.574	178	34845	6.315	ng	# 1
74) Di-n-butylphthalate	12.016	149	55585	9.319	ng	# 32
77) Benzidine	12.739	184	14087	5.096	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.033	149	29152	5.820	ng	# 65
85) Di-n-octyl phthalate	14.680	149	183509	26.363	ng	# 51

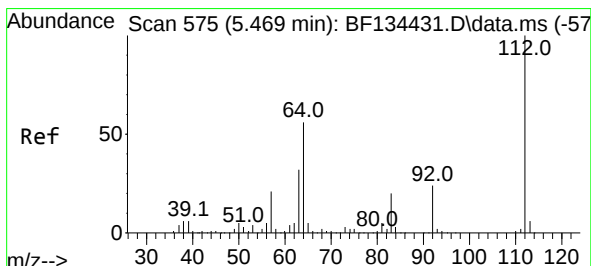
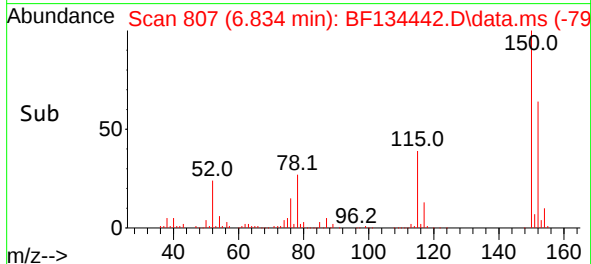
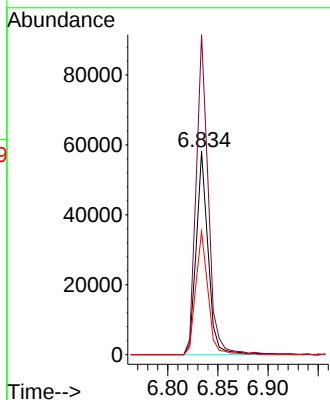
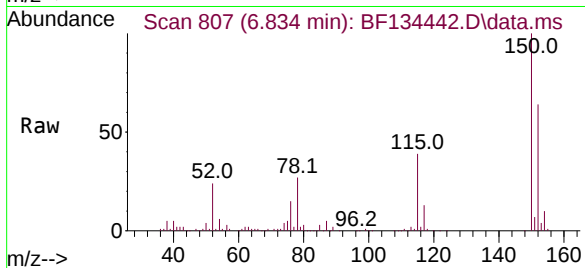
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

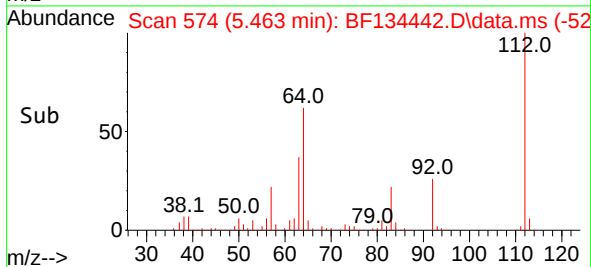
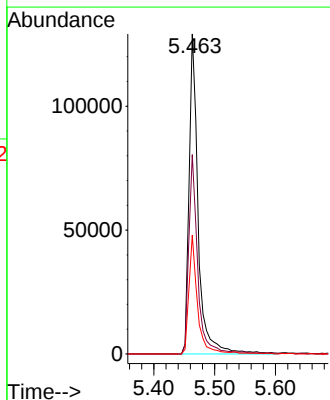
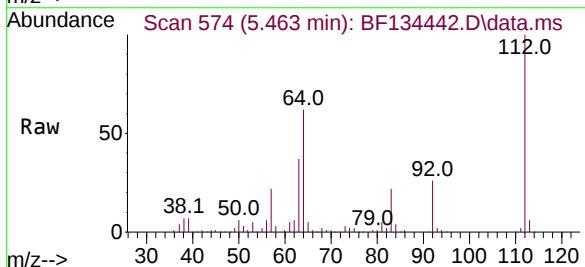
Instrument :
BNA_F
ClientSampleId :
N48909

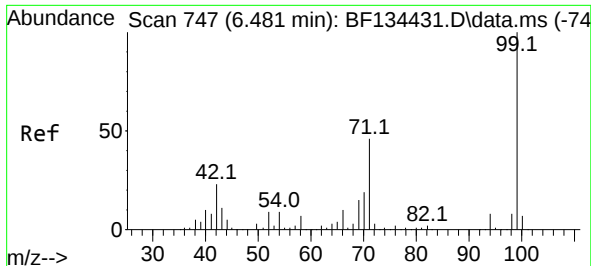
Tgt Ion:152 Resp: 48353
Ion Ratio Lower Upper
152 100
150 157.4 128.3 192.5
115 60.6 52.4 78.6



#5
2-Fluorophenol
Concen: 46.061 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

Tgt Ion:112 Resp: 134802
Ion Ratio Lower Upper
112 100
64 62.3 44.9 67.3
63 37.1 25.4 38.0

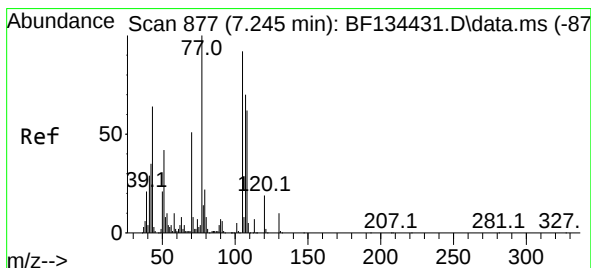
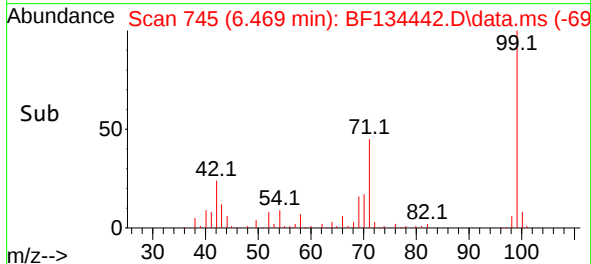
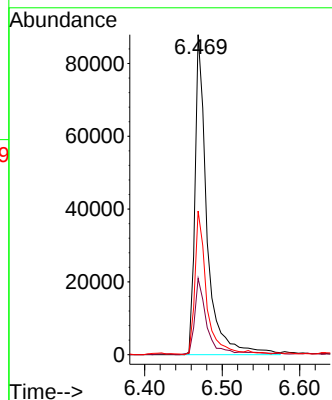
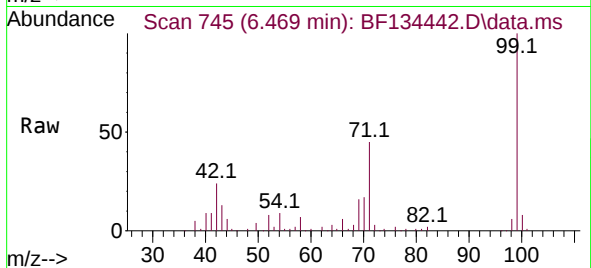




#7
Phenol-d6
Concen: 26.478 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

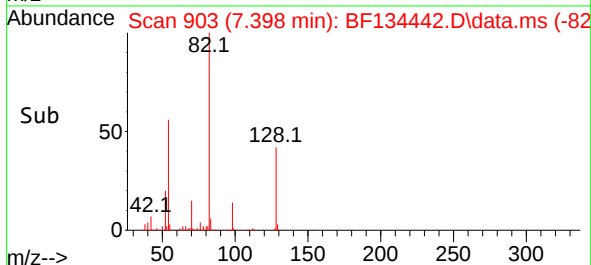
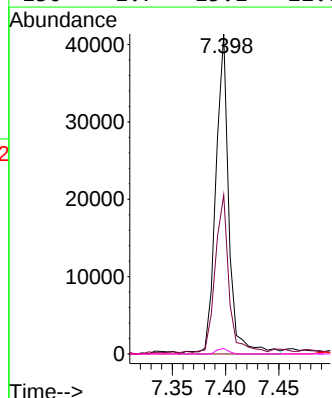
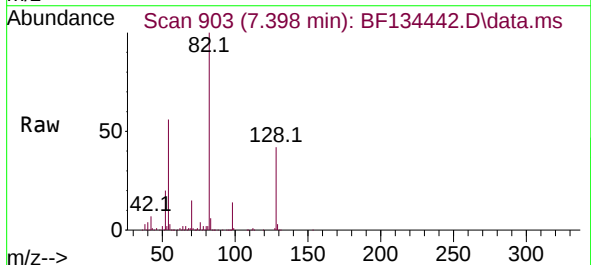
Instrument :
BNA_F
ClientSampleId :
N48909

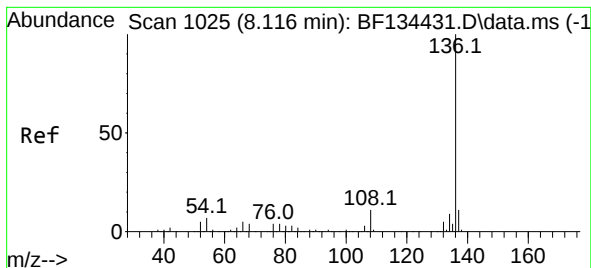
Tgt Ion: 99 Resp: 94941
Ion Ratio Lower Upper
99 100
42 23.8 18.7 28.1
71 44.9 36.4 54.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.842 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.153 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

Tgt Ion: 70 Resp: 35362
Ion Ratio Lower Upper
70 100
42 49.7 54.7 82.1#
101 0.0 8.2 12.2#
130 1.7 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

Tgt Ion:136 Resp: 177659

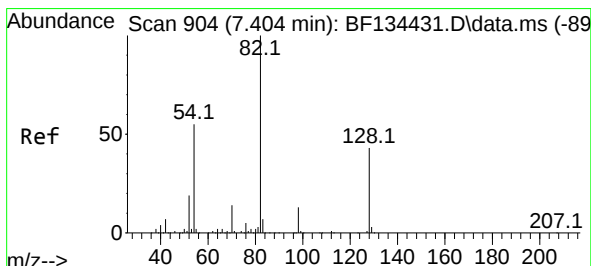
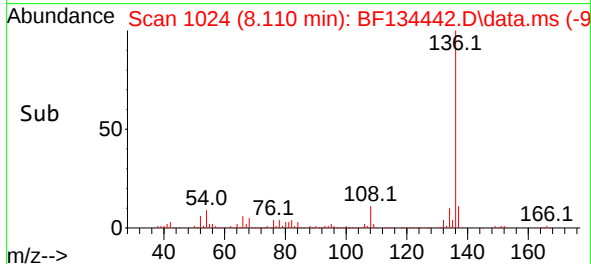
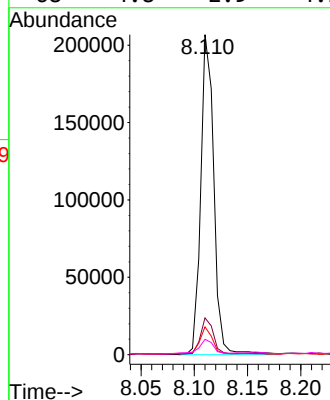
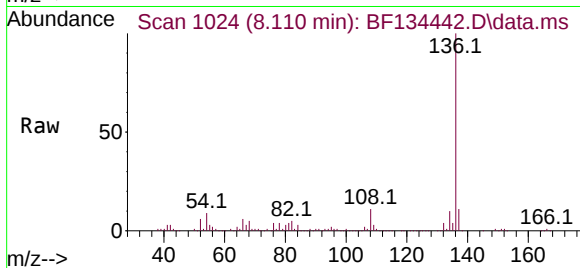
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 8.7 5.2 7.8#

68 4.8 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 68.197 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

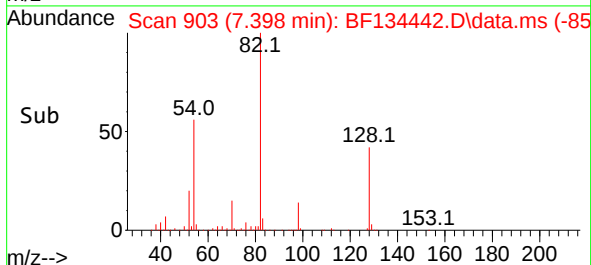
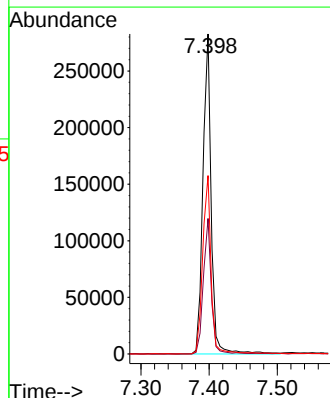
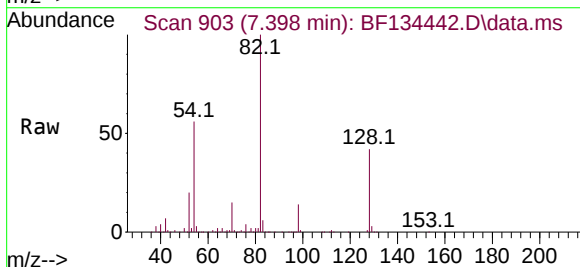
Tgt Ion: 82 Resp: 239469

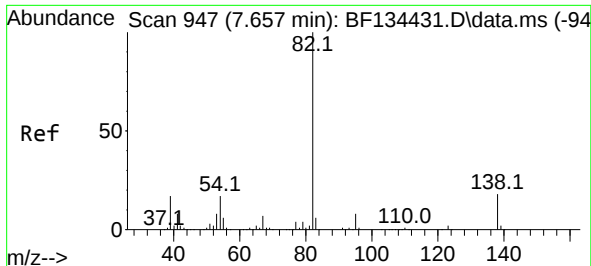
Ion Ratio Lower Upper

82 100

128 42.4 34.3 51.5

54 55.8 43.8 65.6

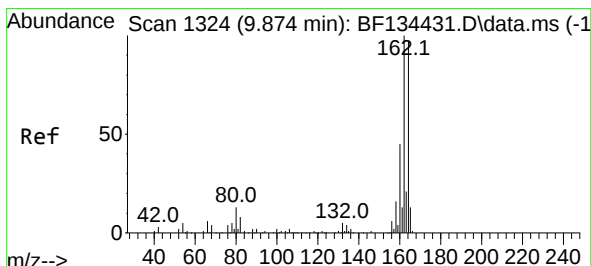
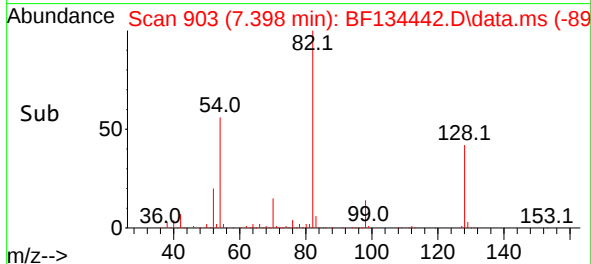
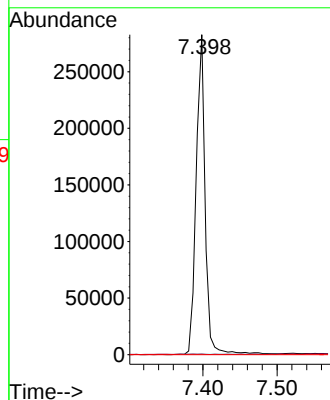
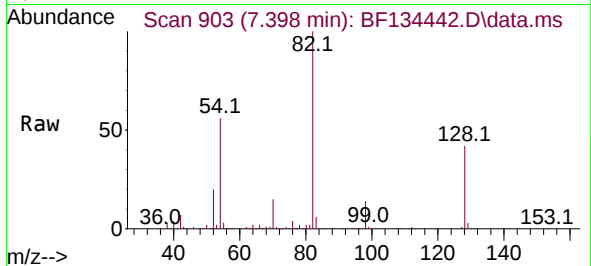




#25
Isophorone
Concen: 40.556 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

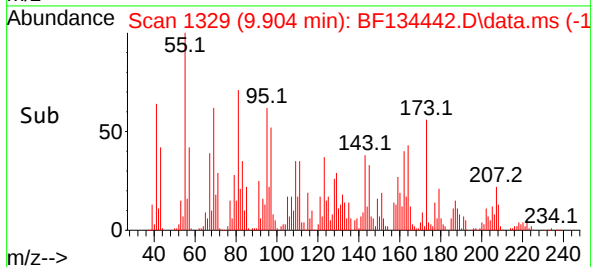
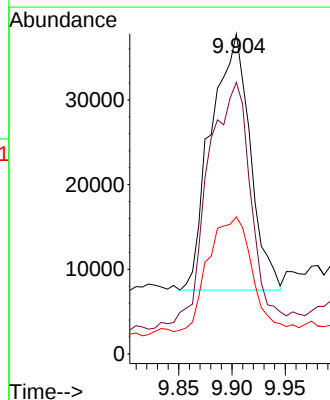
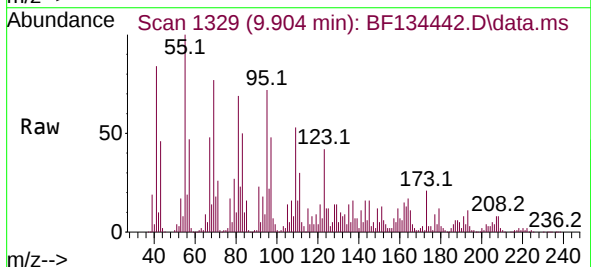
Instrument :
BNA_F
ClientSampleId :
N48909

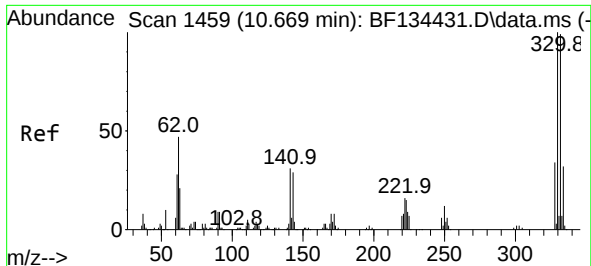
Tgt Ion: 82 Resp: 237343
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.6 22.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.030 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

Tgt Ion:164 Resp: 77268
Ion Ratio Lower Upper
164 100
162 84.8 82.6 123.8
160 42.8 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 107.435 ng

RT: 10.722 min Scan# 1459

Delta R.T. 0.053 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

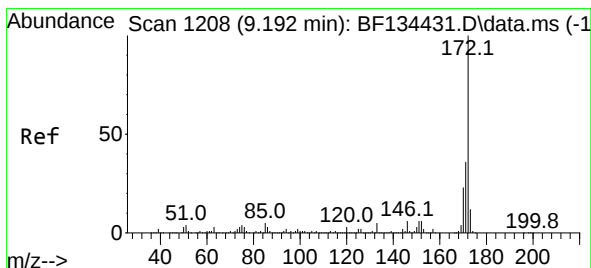
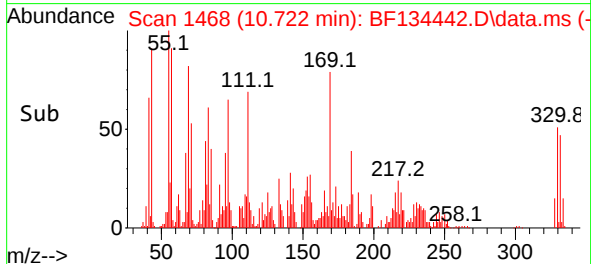
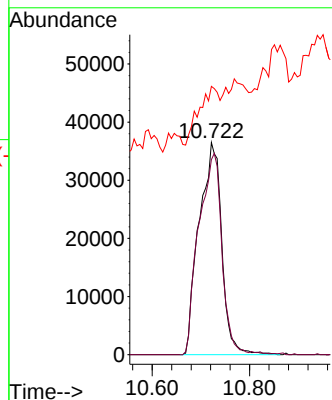
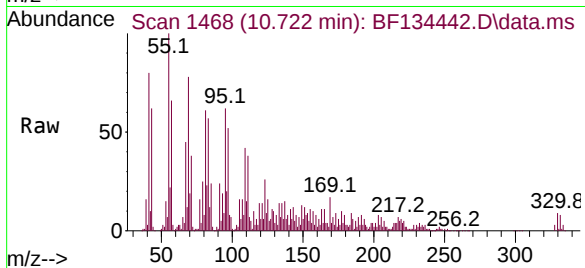
Tgt Ion:330 Resp: 117946

Ion Ratio Lower Upper

330 100

332 96.4 78.8 118.2

141 24.4 25.4 38.2#



#45

2-Fluorobiphenyl

Concen: 76.599 ng

RT: 9.204 min Scan# 1210

Delta R.T. 0.012 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

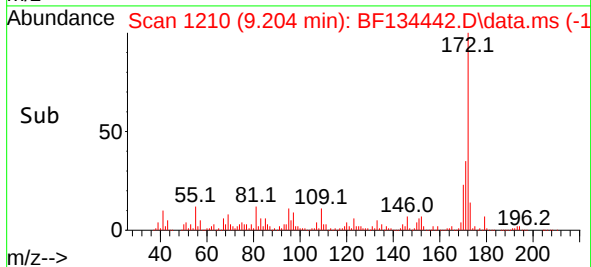
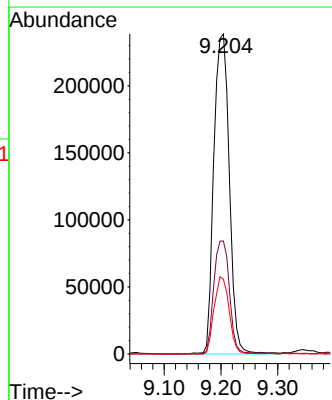
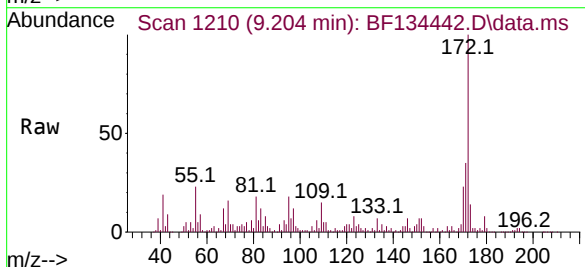
Tgt Ion:172 Resp: 450847

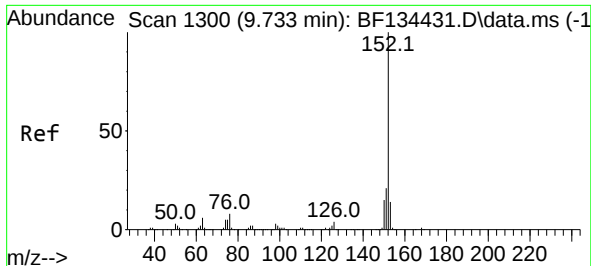
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.4 18.7 28.1





#49

Acenaphthylene

Concen: 3.585 ng

RT: 9.786 min Scan# 1

Delta R.T. 0.053 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

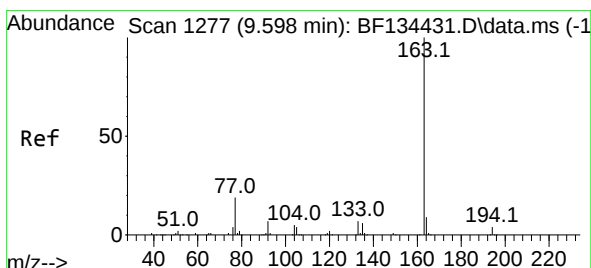
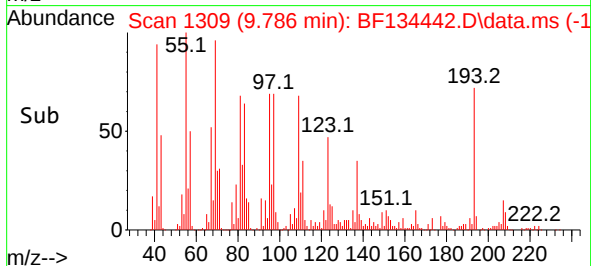
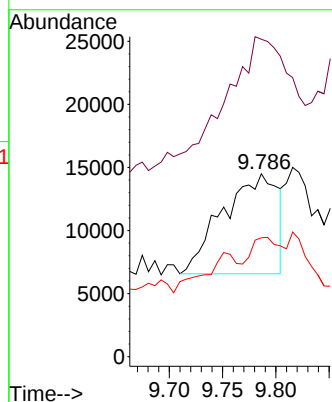
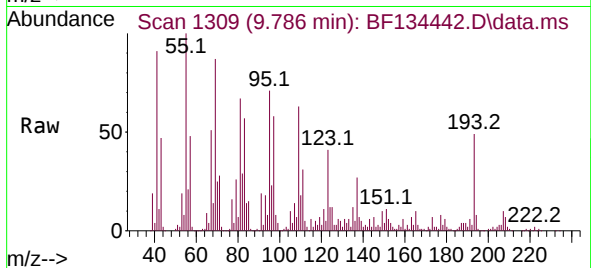
Tgt Ion:152 Resp: 28432

Ion Ratio Lower Upper

152 100

151 173.7 16.4 24.6#

153 65.0 10.9 16.3#



#50

Dimethylphthalate

Concen: 3.416 ng

RT: 9.710 min Scan# 1296

Delta R.T. 0.112 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

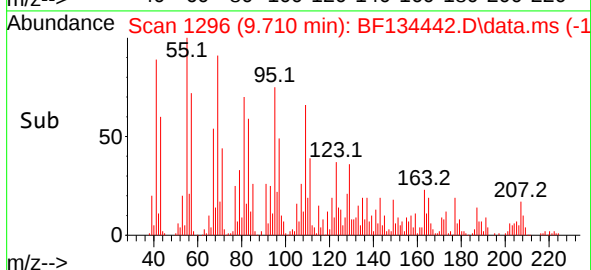
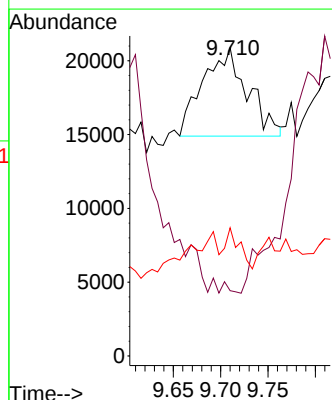
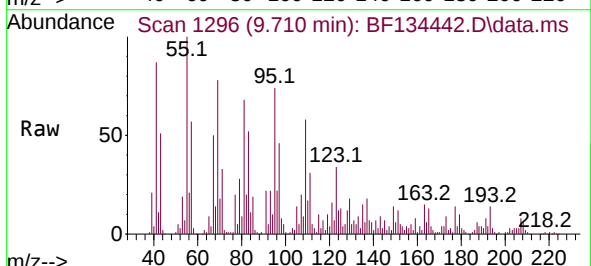
Tgt Ion:163 Resp: 19564

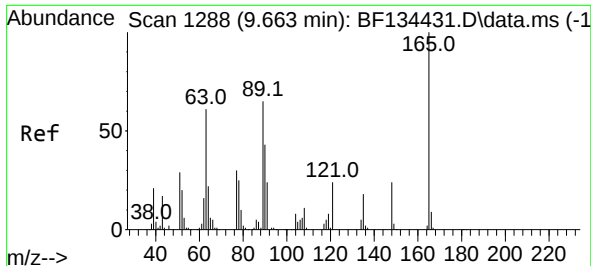
Ion Ratio Lower Upper

163 100

194 21.2 3.3 4.9#

164 41.6 7.5 11.3#

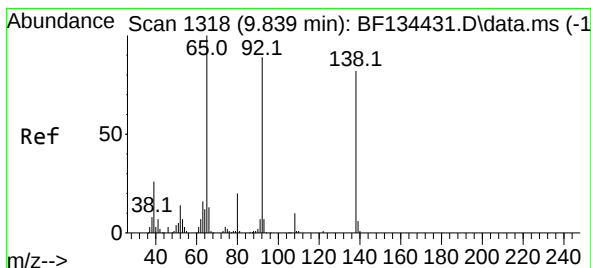
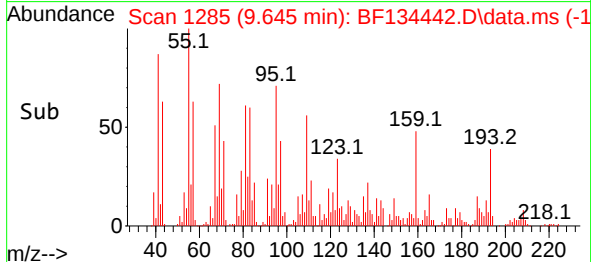
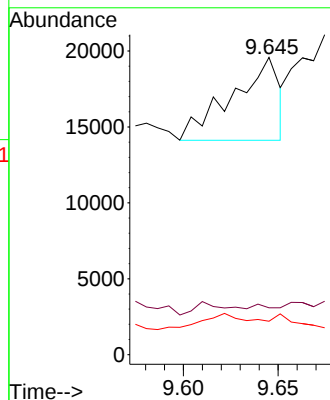
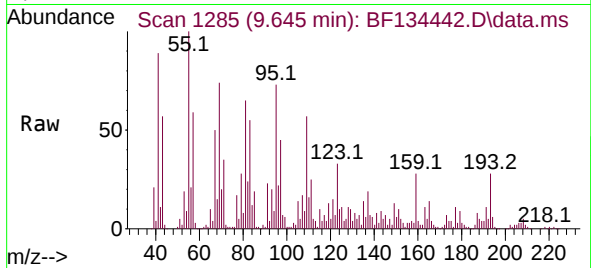




#51
2,6-Dinitrotoluene
Concen: 7.538 ng
RT: 9.645 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

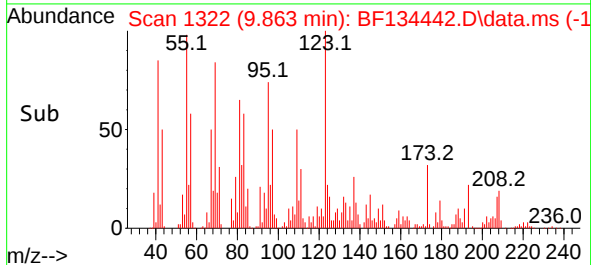
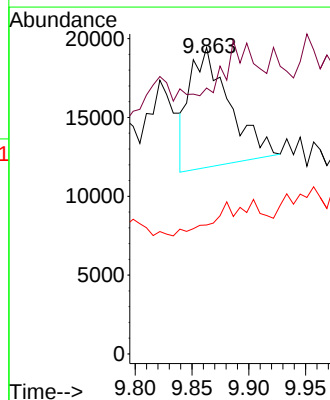
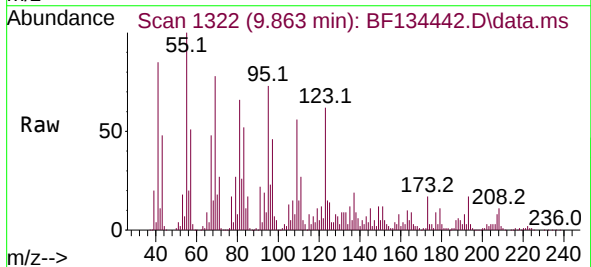
Instrument :
BNA_F
ClientSampleId :
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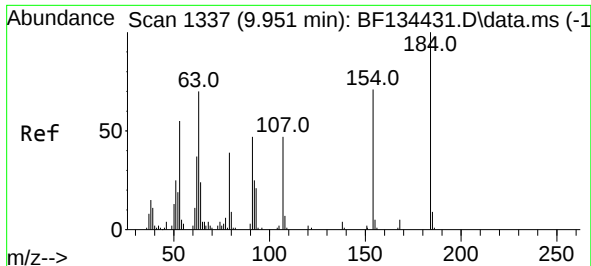
Tgt Ion:165 Resp: 9474
Ion Ratio Lower Upper
165 100
63 15.8 57.8 86.6#
89 11.3 51.8 77.8#



#53
3-Nitroaniline
Concen: 12.761 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.024 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

Tgt Ion:138 Resp: 18388
Ion Ratio Lower Upper
138 100
108 86.7 9.3 13.9#
92 42.1 86.6 129.8#

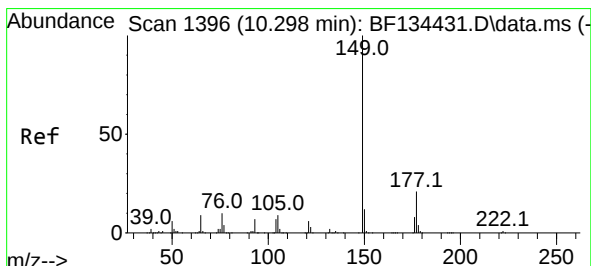
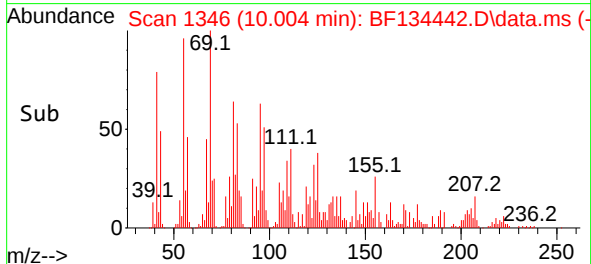
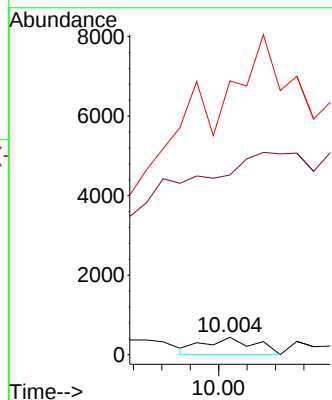
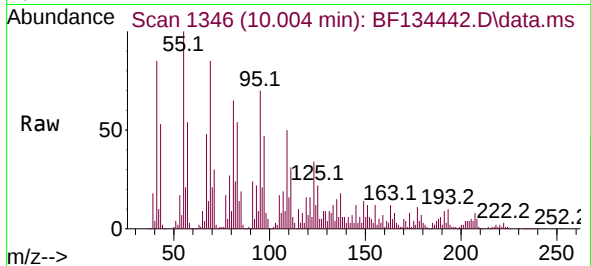




#54
2,4-Dinitrophenol
Concen: 7.321 ng
RT: 10.004 min Scan# 1403
Delta R.T. 0.053 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

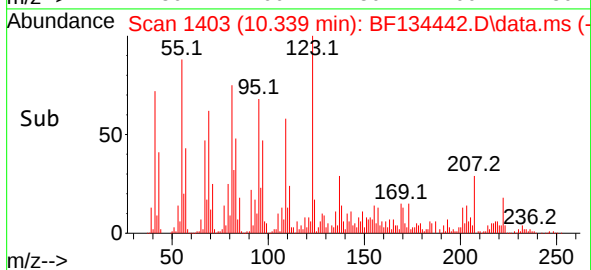
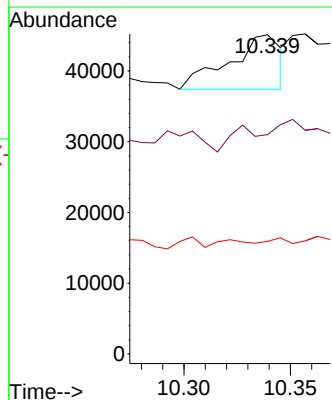
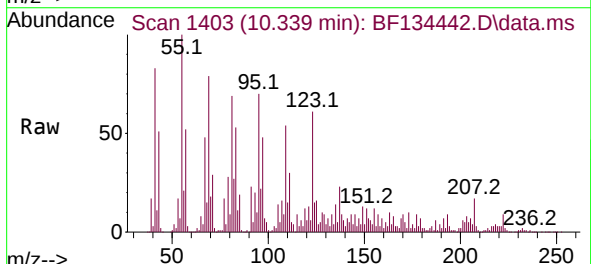
Instrument :
BNA_F
ClientSampleId :
N48909

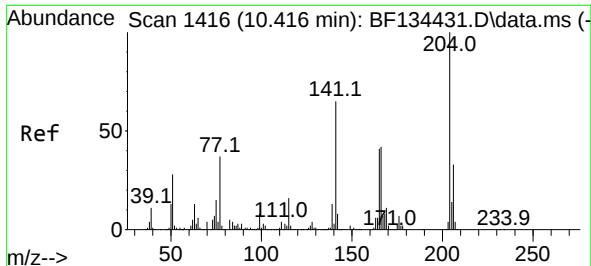
Tgt Ion:184 Resp: 540
Ion Ratio Lower Upper
184 100
63 1029.2 57.1 85.7#
154 1568.3 59.1 88.7#



#60
Diethylphthalate
Concen: 2.192 ng
RT: 10.339 min Scan# 1403
Delta R.T. 0.041 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

Tgt Ion:149 Resp: 12999
Ion Ratio Lower Upper
149 100
177 68.7 17.0 25.4#
150 35.3 9.9 14.9#

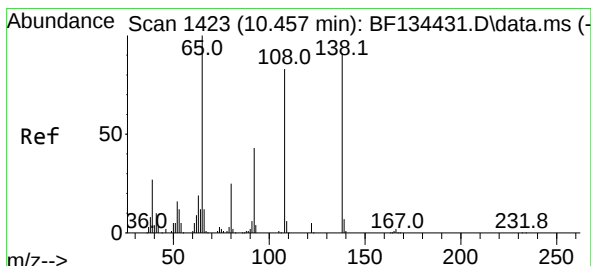
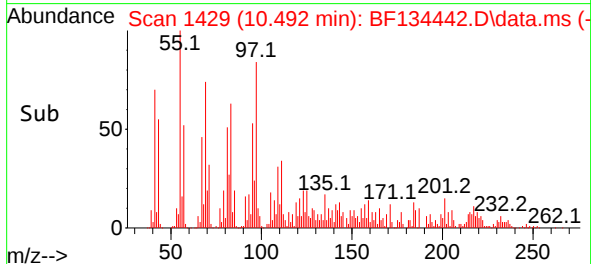
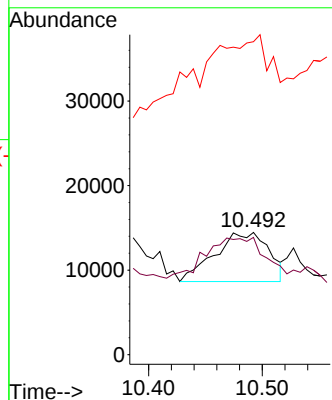
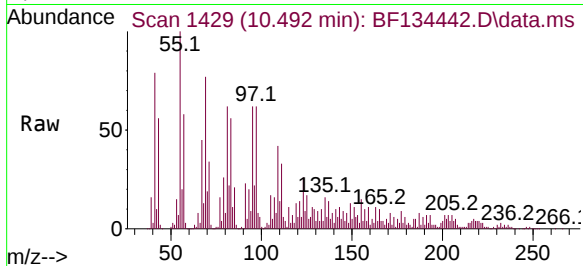




#61
4-Chlorophenyl-phenylether
Concen: 6.888 ng
RT: 10.492 min Scan# 1416
Delta R.T. 0.077 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

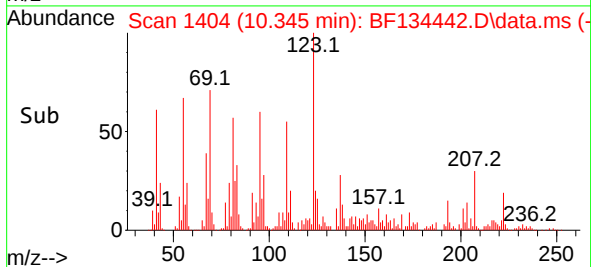
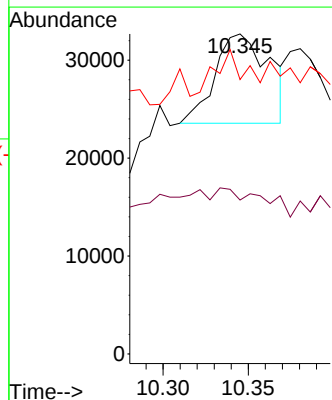
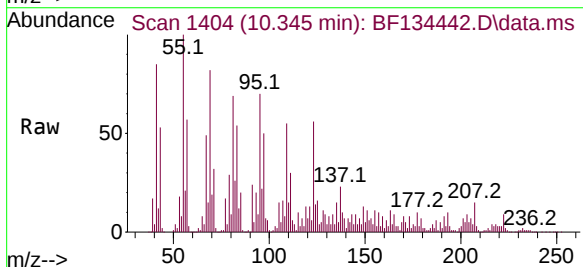
Instrument :
BNA_F
ClientSampleId :
N48909

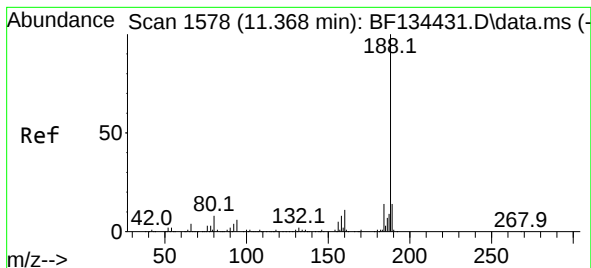
Tgt Ion:204 Resp: 19142
Ion Ratio Lower Upper
204 100
206 96.0 26.0 39.0#
141 255.9 52.2 78.4#



#62
4-Nitroaniline
Concen: 13.623 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.112 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

Tgt Ion:138 Resp: 20141
Ion Ratio Lower Upper
138 100
92 48.1 27.0 67.0
108 85.7 70.4 110.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 11

Delta R.T. 0.088 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

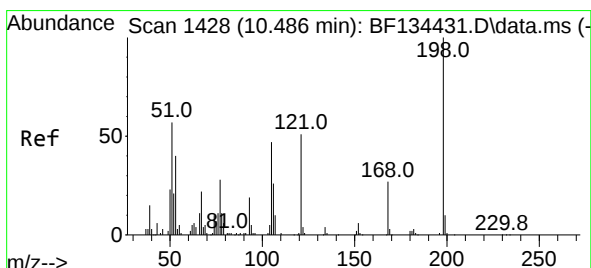
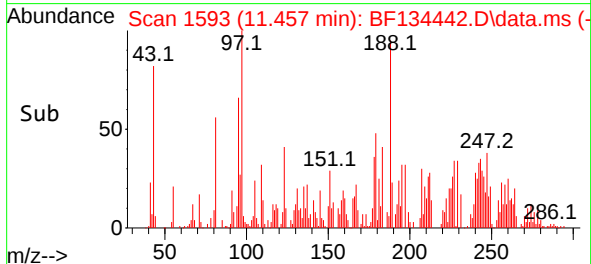
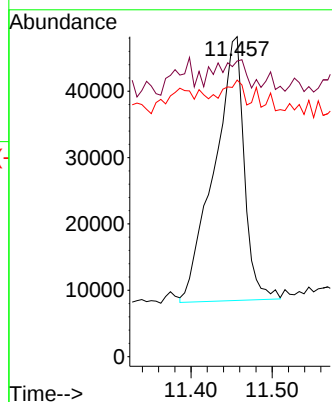
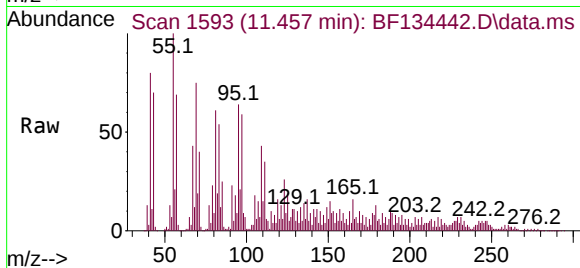
Tgt Ion:188 Resp: 102320

Ion Ratio Lower Upper

188 100

94 92.4 5.1 7.7#

80 86.5 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 3.222 ng

RT: 10.545 min Scan# 1438

Delta R.T. 0.059 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

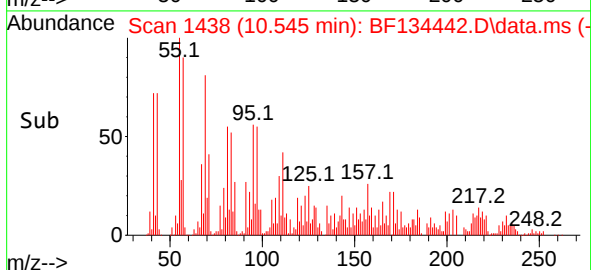
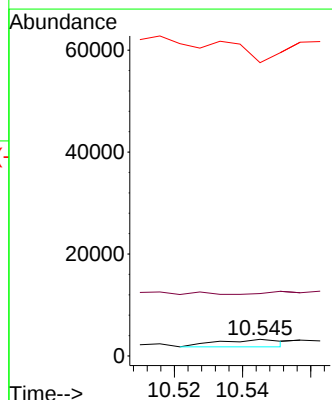
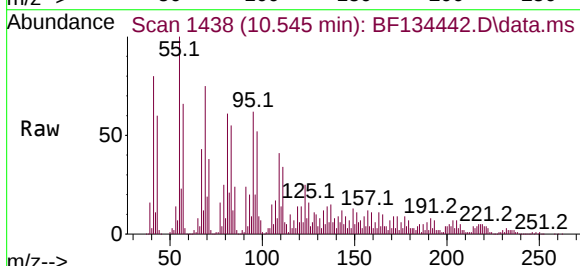
Tgt Ion:198 Resp: 1891

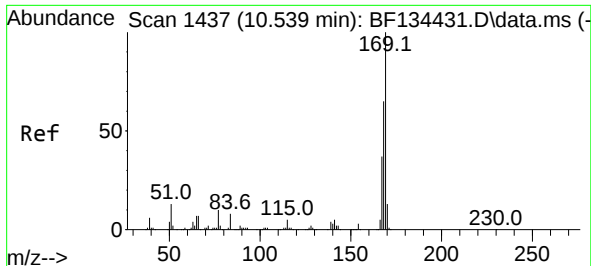
Ion Ratio Lower Upper

198 100

51 375.0 38.6 78.6#

105 1764.6 27.9 67.9#

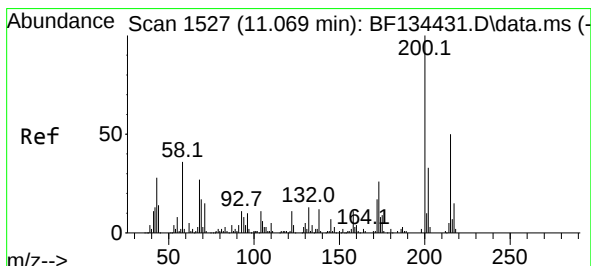
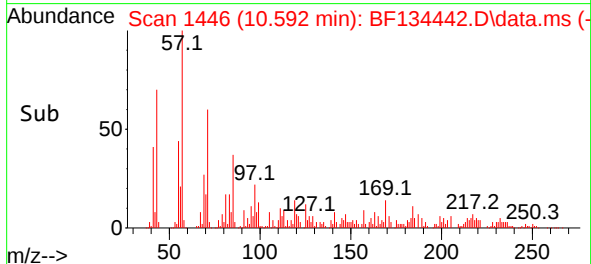
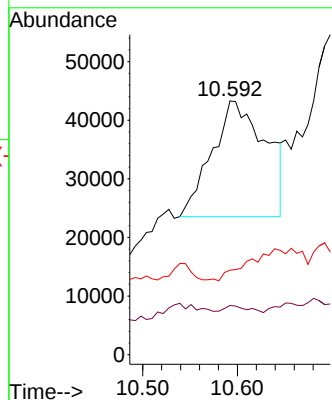
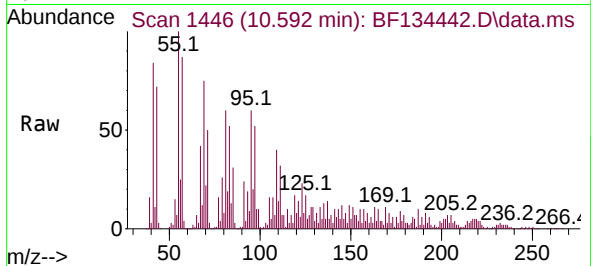




#66
n-Nitrosodiphenylamine
Concen: 23.883 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.053 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

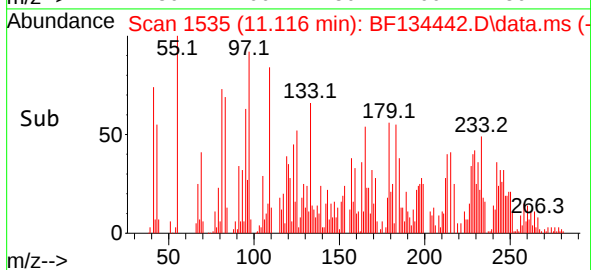
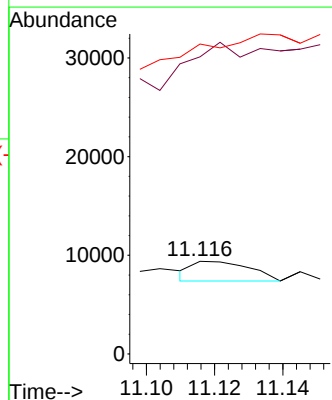
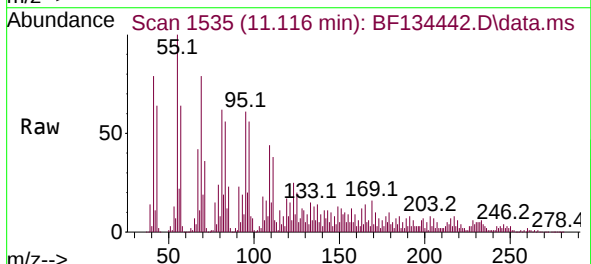
Instrument :
BNA_F
ClientSampleId :
N48909

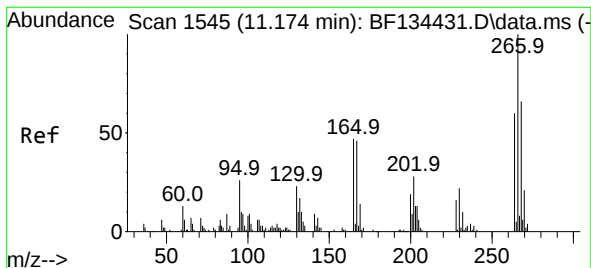
Tgt Ion:169 Resp: 77747
Ion Ratio Lower Upper
169 100
168 19.4 52.6 78.8#
167 33.3 29.8 44.8



#69
Atrazine
Concen: 2.553 ng
RT: 11.116 min Scan# 1535
Delta R.T. 0.047 min
Lab File: BF134442.D
Acq: 24 Jul 2023 22:17

Tgt Ion:200 Resp: 2317
Ion Ratio Lower Upper
200 100
173 320.6 6.1 46.1#
215 334.5 29.7 69.7#





#70

Pentachlorophenol

Concen: 23.698 ng

RT: 11.286 min Scan# 1564

Delta R.T. 0.112 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

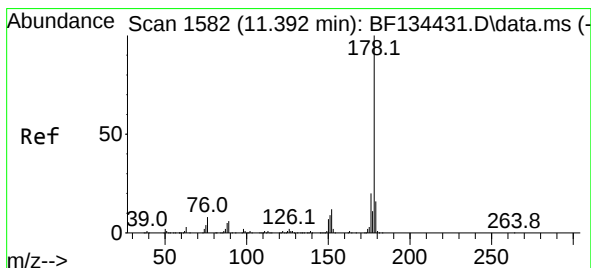
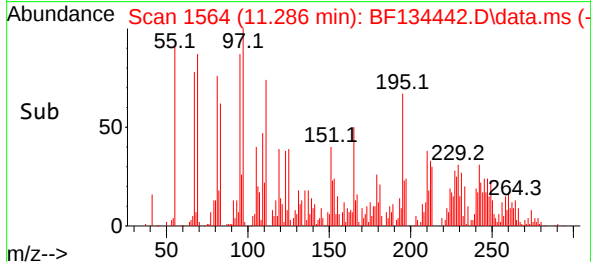
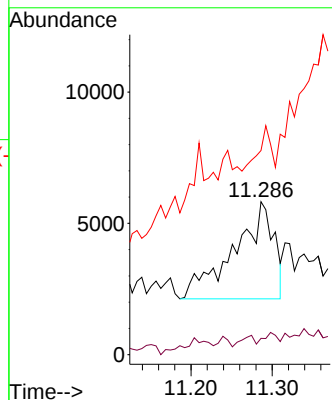
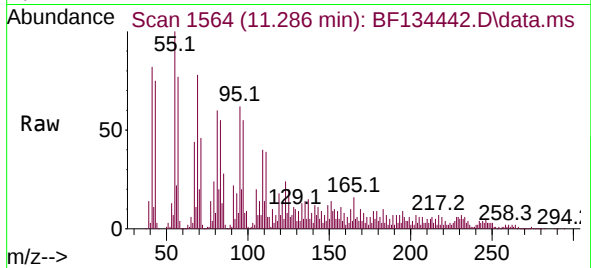
Tgt Ion:266 Resp: 12555

Ion Ratio Lower Upper

266 100

268 10.7 52.9 79.3#

264 133.5 47.8 71.6#



#71

Phenanthrene

Concen: 9.641 ng

RT: 11.474 min Scan# 1596

Delta R.T. 0.082 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

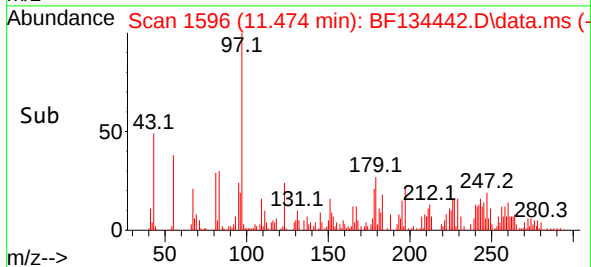
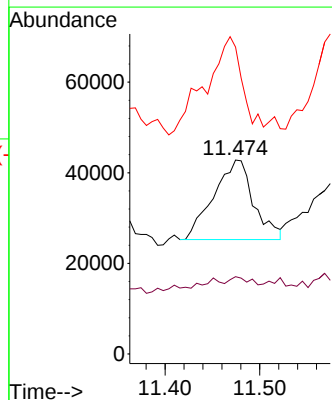
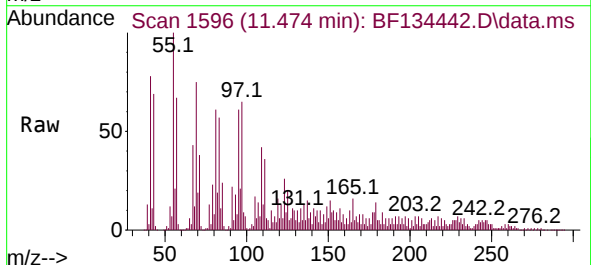
Tgt Ion:178 Resp: 51539

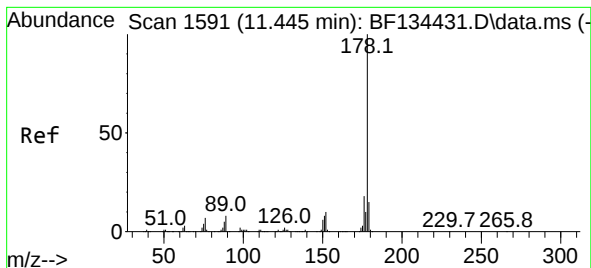
Ion Ratio Lower Upper

178 100

176 39.8 15.8 23.6#

179 158.2 12.7 19.1#





#72

Anthracene

Concen: 6.315 ng

RT: 11.574 min Scan# 1

Delta R.T. 0.130 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

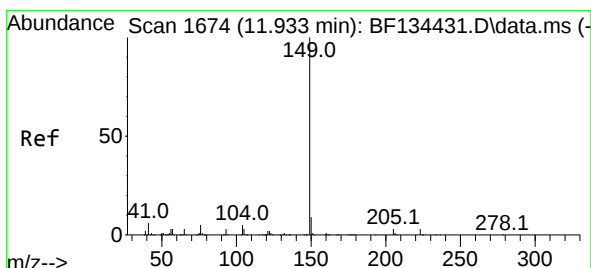
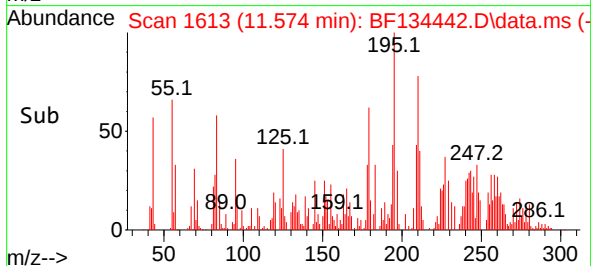
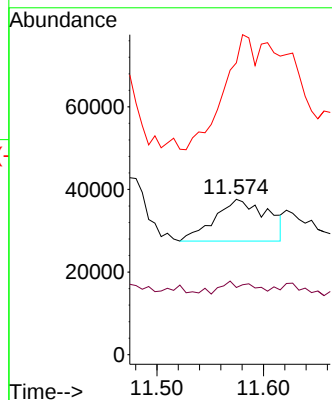
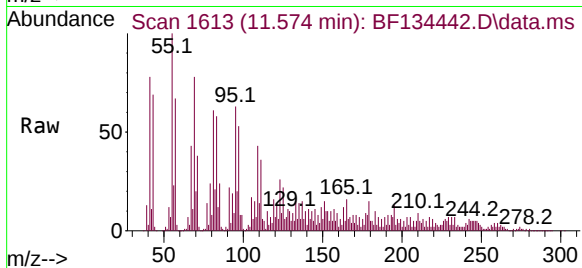
Tgt Ion:178 Resp: 34845

Ion Ratio Lower Upper

178 100

176 43.2 14.6 21.8#

179 187.8 12.3 18.5#



#74

Di-n-butylphthalate

Concen: 9.319 ng

RT: 12.016 min Scan# 1688

Delta R.T. 0.082 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

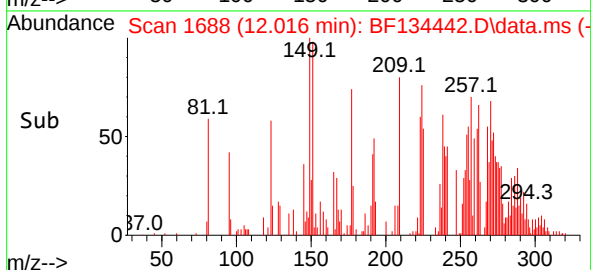
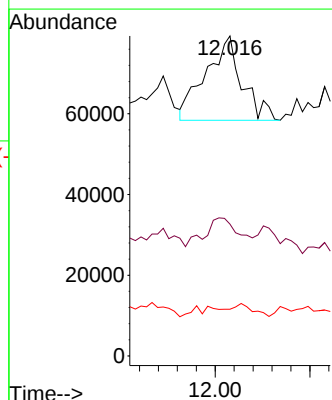
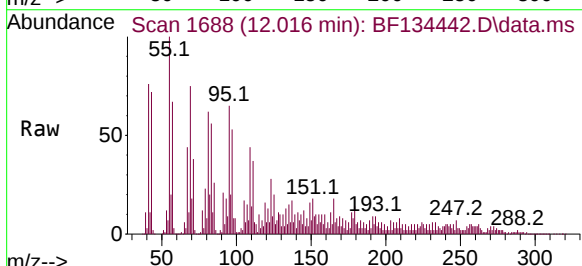
Tgt Ion:149 Resp: 55585

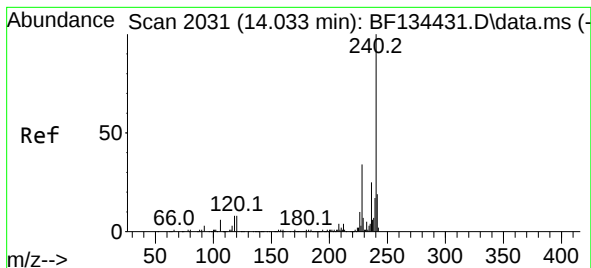
Ion Ratio Lower Upper

149 100

150 41.2 7.2 10.8#

104 14.6 3.8 5.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2031

Delta R.T. 0.047 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

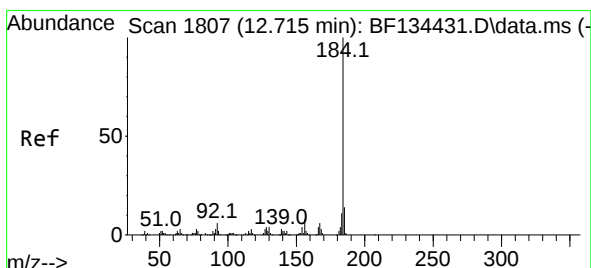
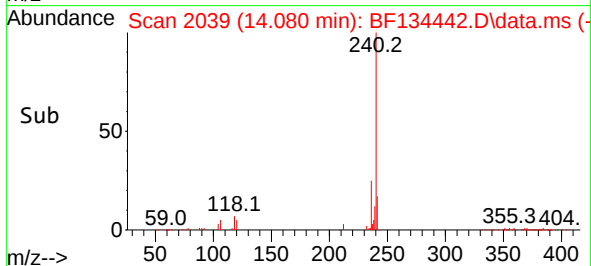
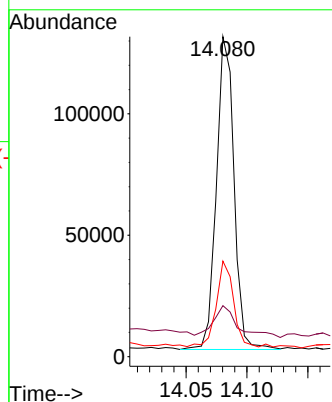
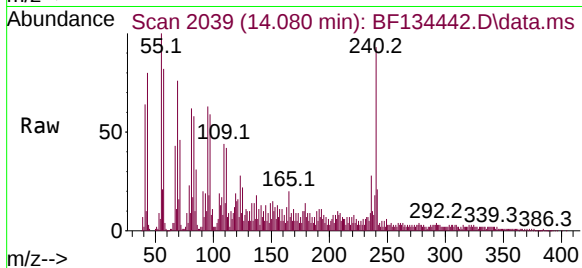
Tgt Ion:240 Resp: 129452

Ion Ratio Lower Upper

240 100

120 16.0 6.6 10.0#

236 29.9 20.2 30.2



#77

Benzidine

Concen: 5.096 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.024 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

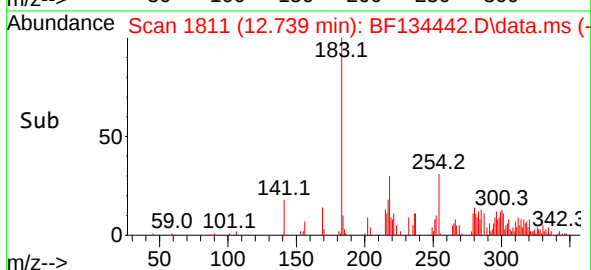
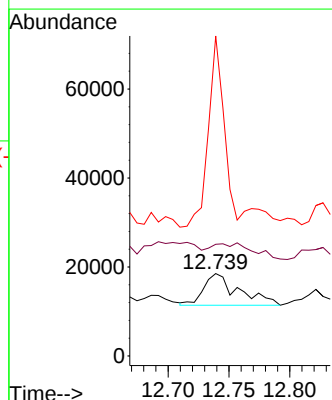
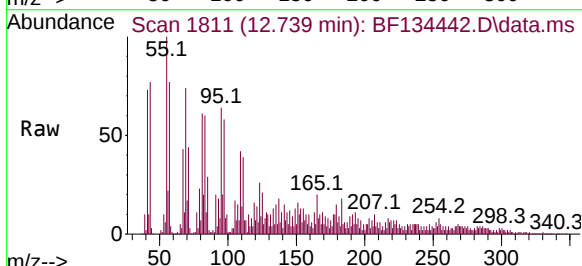
Tgt Ion:184 Resp: 14087

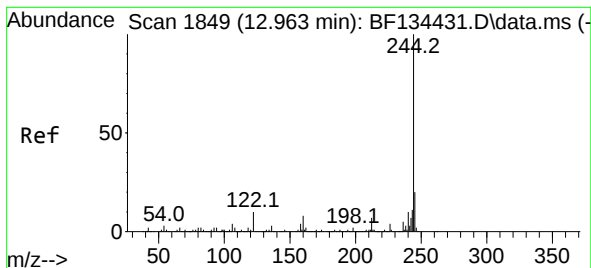
Ion Ratio Lower Upper

184 100

185 135.5 11.2 16.8#

183 388.0 8.6 13.0#





#79

Terphenyl-d14

Concen: 60.357 ng

RT: 13.033 min Scan# 1

Delta R.T. 0.071 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

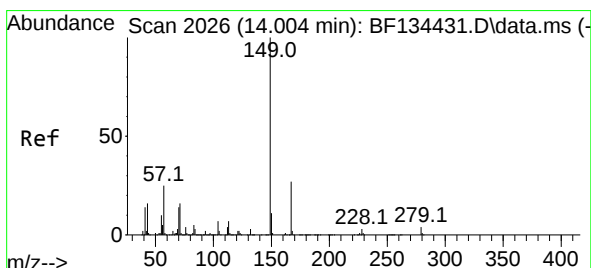
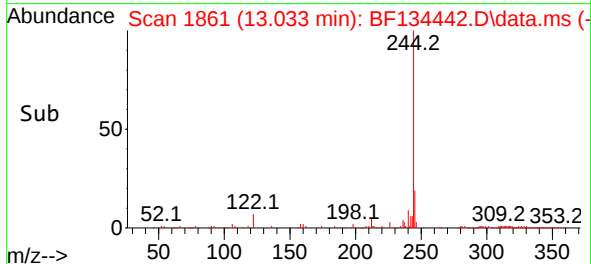
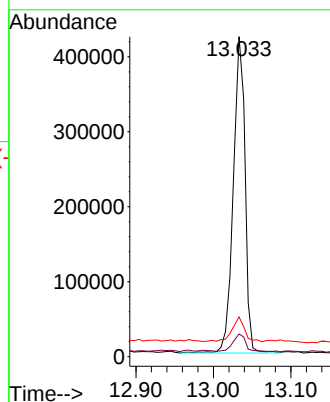
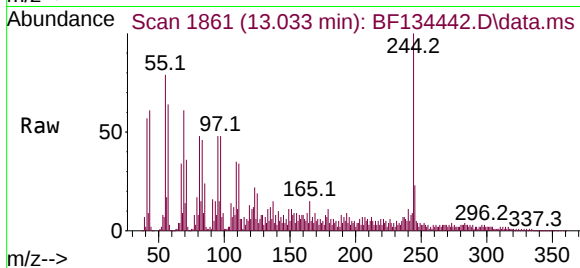
Tgt Ion:244 Resp: 447582

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 12.4 8.0 12.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.820 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.030 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

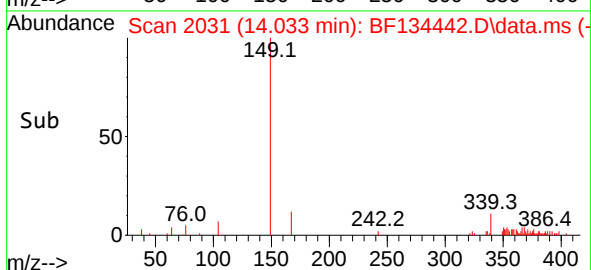
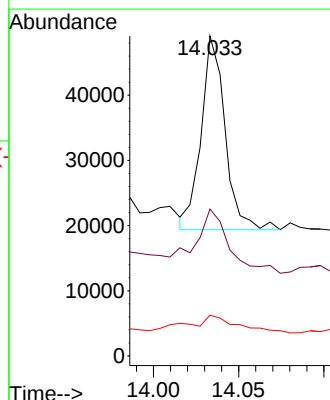
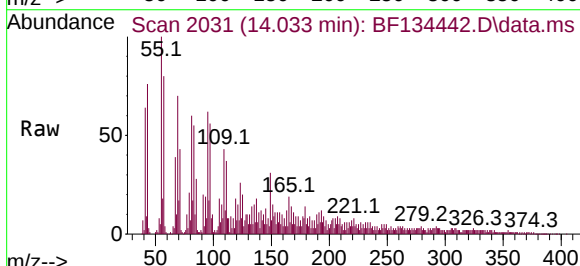
Tgt Ion:149 Resp: 29152

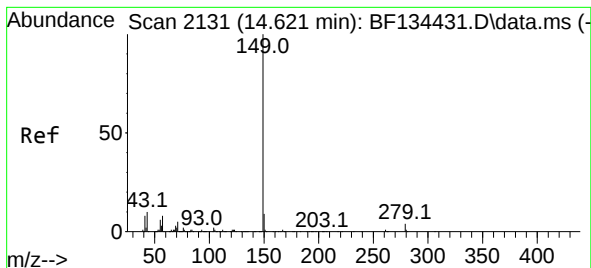
Ion Ratio Lower Upper

149 100

167 45.9 21.6 32.4#

279 12.7 3.5 5.3#





#85

Di-n-octyl phthalate

Concen: 26.363 ng

RT: 14.680 min Scan# 2141

Delta R.T. 0.059 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Instrument :

BNA_F

ClientSampleId :

N48909

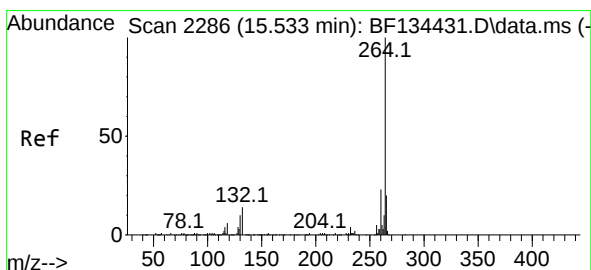
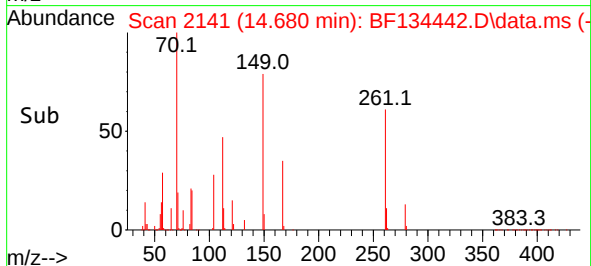
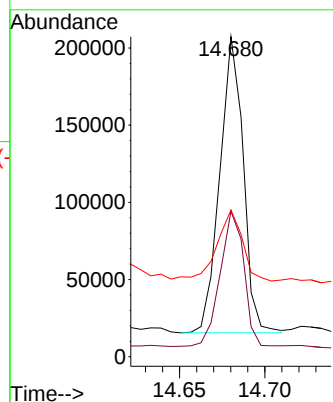
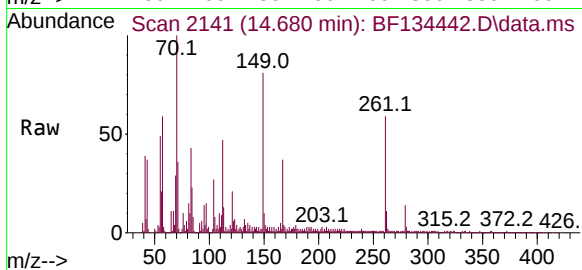
Tgt Ion:149 Resp: 183509

Ion Ratio Lower Upper

149 100

167 46.0 1.2 1.8#

43 24.5 8.1 12.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2292

Delta R.T. 0.035 min

Lab File: BF134442.D

Acq: 24 Jul 2023 22:17

Tgt Ion:264 Resp: 135494

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 22.3 15.8 23.8

