

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100323\
 Data File : BF135549.D
 Acq On : 03 Oct 2023 19:09
 Operator : CG\JU
 Sample : 04627-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 280-300FB-BACKFILL-04

Quant Time: Oct 04 07:11:53 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 06:58:43 2023
 Response via : Initial Calibration

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

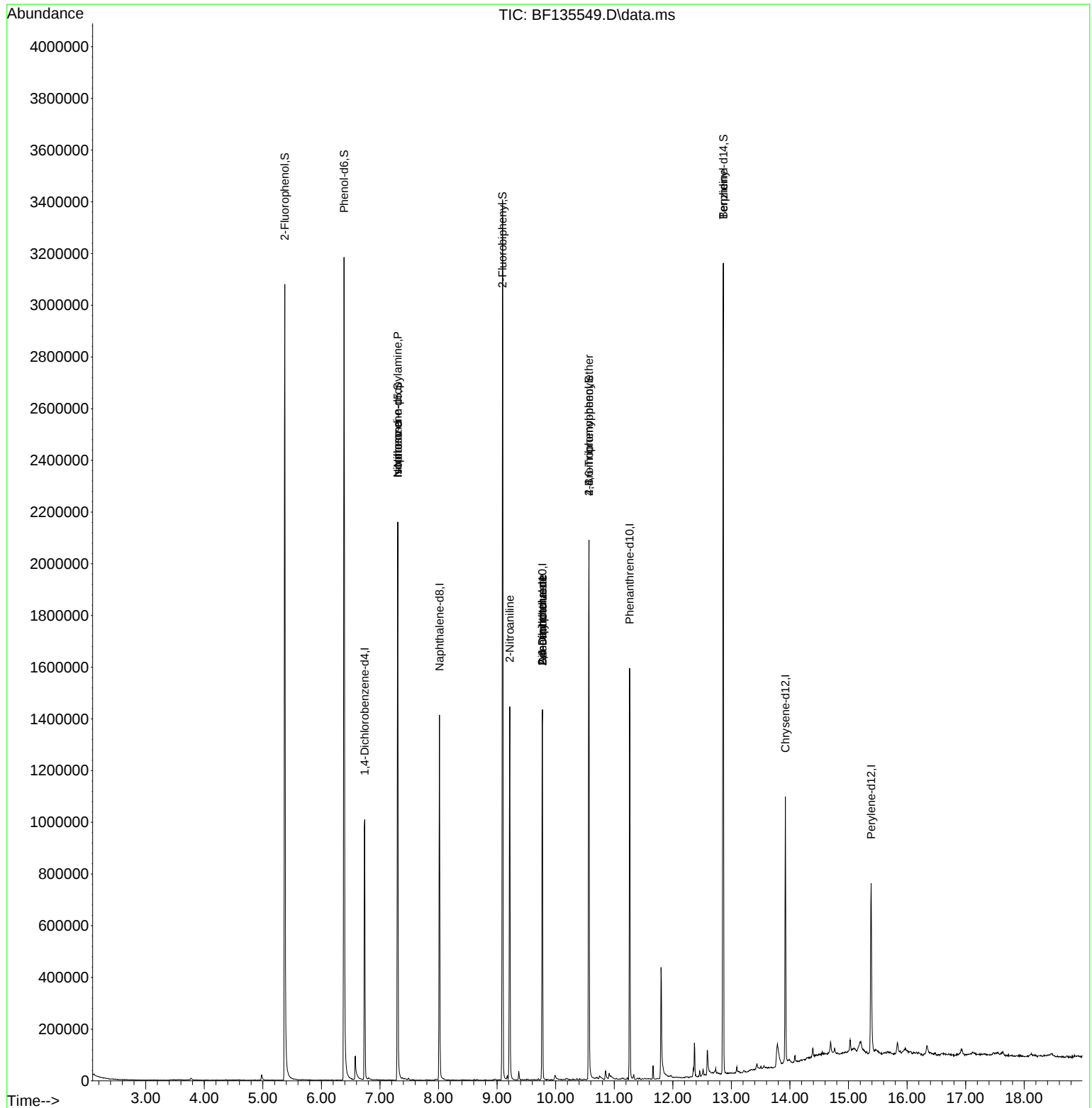
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	155554	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	605734	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	301908	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	571186	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	326853	20.000	ng	0.00
86) Perylene-d12	15.386	264	308611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	879876	91.998	ng	0.00
7) Phenol-d6	6.387	99	1080069	88.812	ng	0.00
23) Nitrobenzene-d5	7.304	82	666049	59.739	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	235936	78.639	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1118598	55.900	ng	0.00
79) Terphenyl-d14	12.863	244	1133641	53.766	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	85726	11.381	ng	# 81
25) Isophorone	7.304	82	666045	32.533	ng	# 65
48) 2-Nitroaniline	9.216	65	13828	2.114	ng	# 17
50) Dimethylphthalate	9.775	163	61535	3.015	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	39073	8.738	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	39073	6.980	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	15417	2.714	ng	# 1
77) Benzidine	12.863	184	14323	2.139	ng	# 91

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

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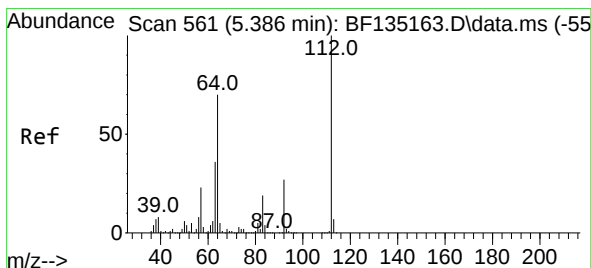
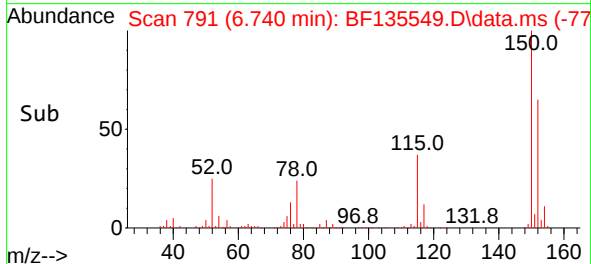
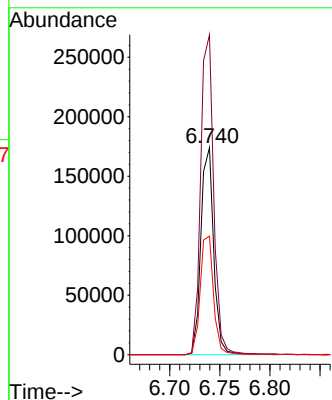
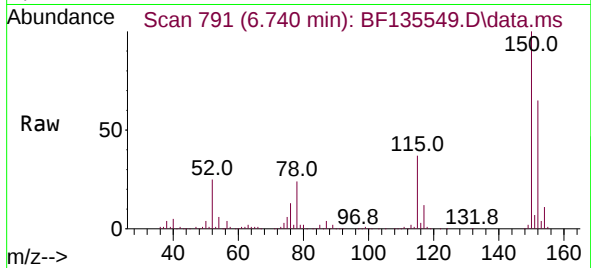




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

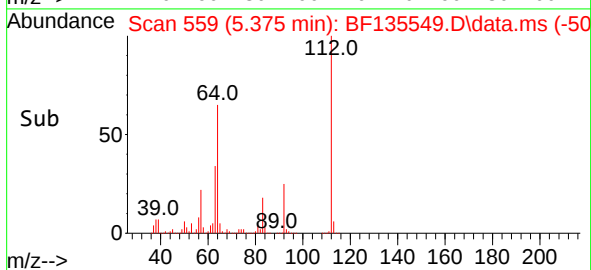
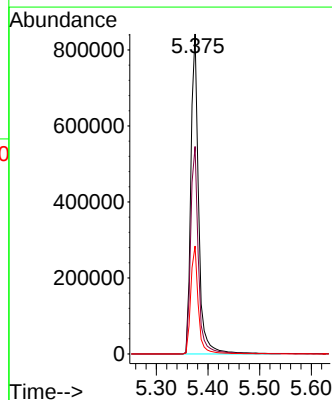
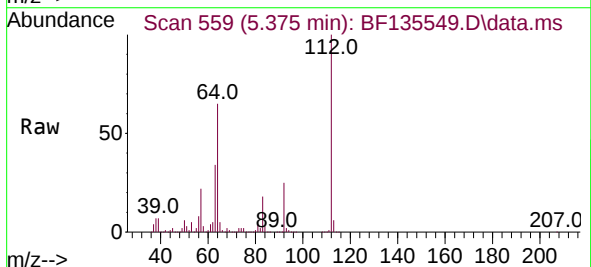
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-04

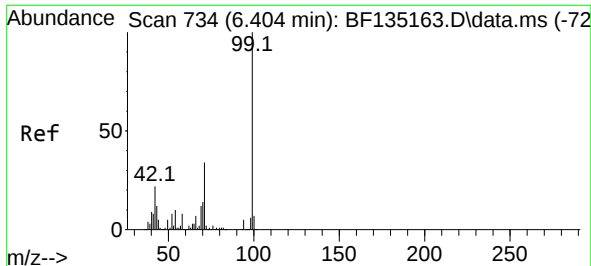
Tgt Ion:152 Resp: 155554
Ion Ratio Lower Upper
152 100
150 154.5 127.8 191.6
115 57.3 49.8 74.8



#5
2-Fluorophenol
Concen: 91.998 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

Tgt Ion:112 Resp: 879876
Ion Ratio Lower Upper
112 100
64 64.8 55.9 83.9
63 33.8 29.0 43.6





#7

Phenol-d6

Concen: 88.812 ng

RT: 6.387 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135549.D

Acq: 03 Oct 2023 19:09

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-04

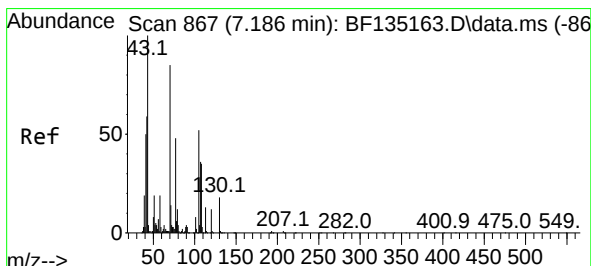
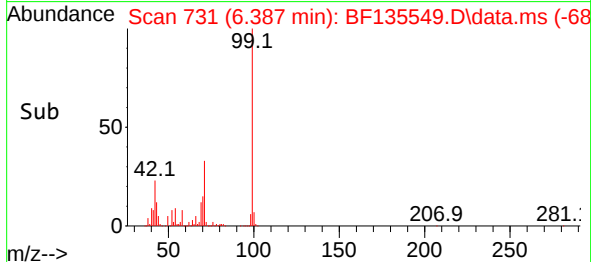
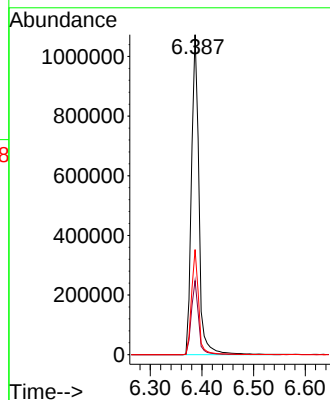
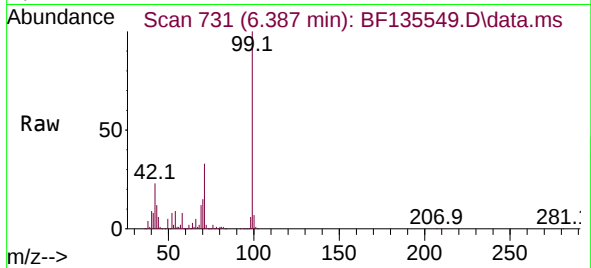
Tgt Ion: 99 Resp: 1080069

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

71 32.8 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.381 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.147 min

Lab File: BF135549.D

Acq: 03 Oct 2023 19:09

Tgt Ion: 70 Resp: 85726

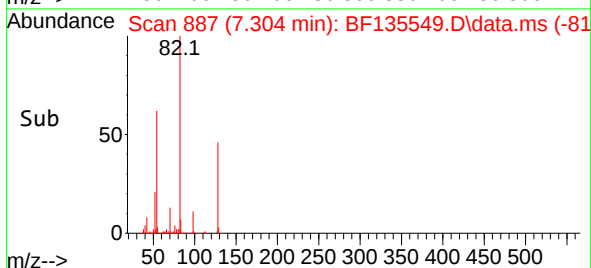
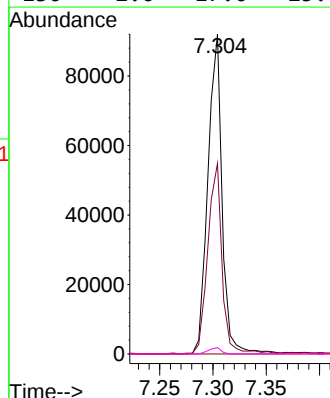
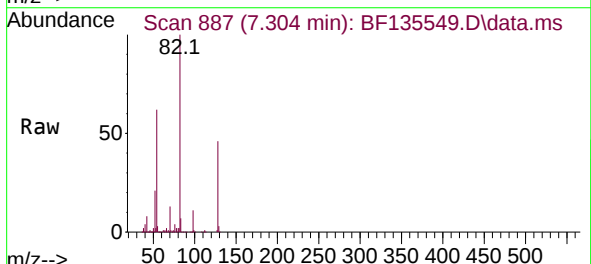
Ion Ratio Lower Upper

70 100

42 59.5 55.4 83.0

101 0.0 7.7 11.5#

130 2.0 17.0 25.6#

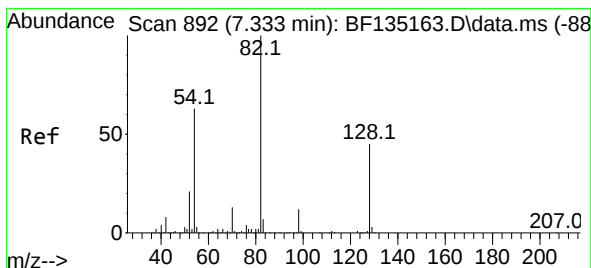
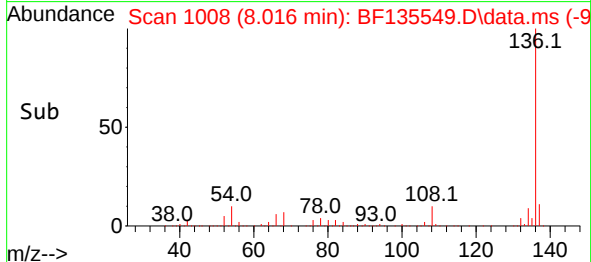
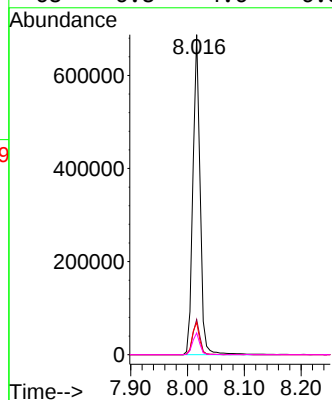
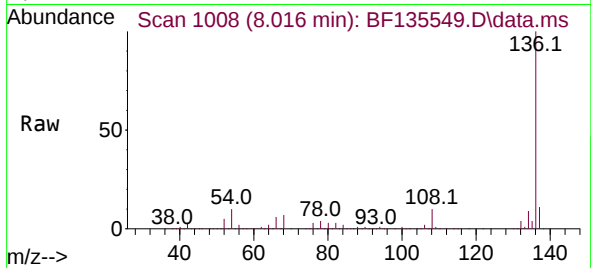




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

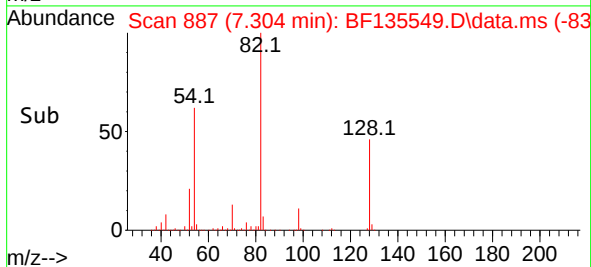
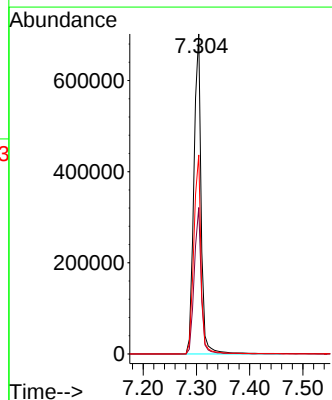
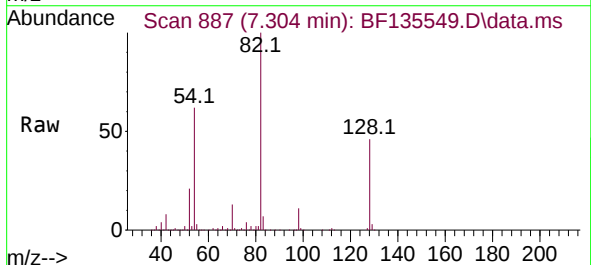
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-04

Tgt Ion:136 Resp: 605734
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.1 7.7 11.5
68 6.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 59.739 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

Tgt Ion: 82 Resp: 666049
Ion Ratio Lower Upper
82 100
128 45.8 35.8 53.6
54 62.2 50.6 76.0

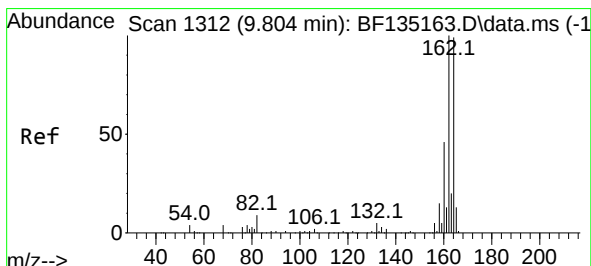
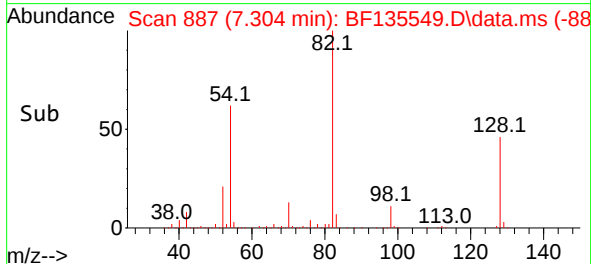
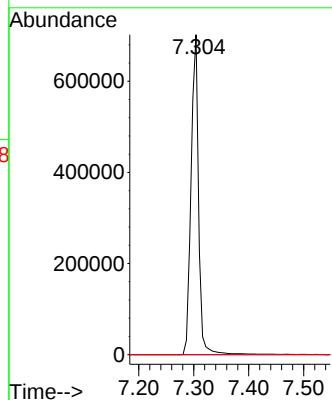
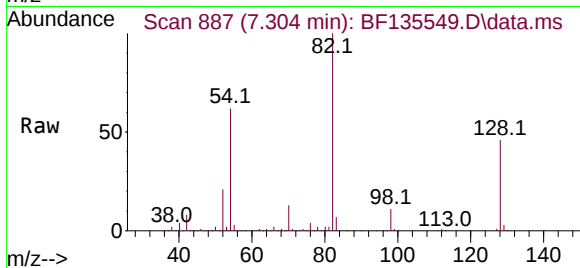




#25
Isophorone
Concen: 32.533 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

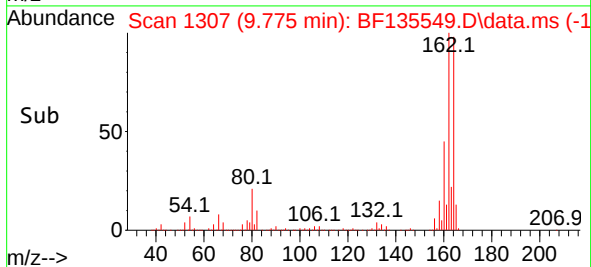
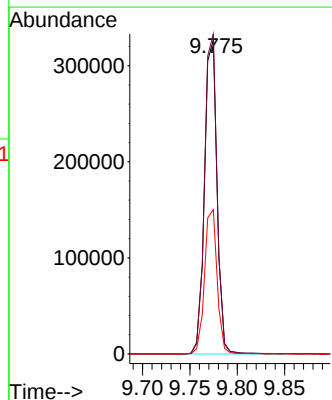
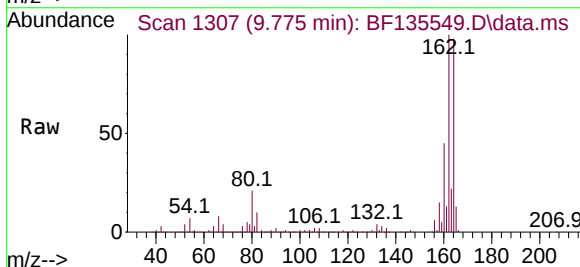
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-04

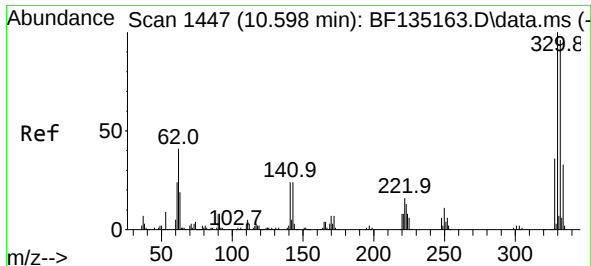
Tgt Ion: 82 Resp: 666045
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

Tgt Ion: 164 Resp: 301908
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.4
160 45.9 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 78.639 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135549.D

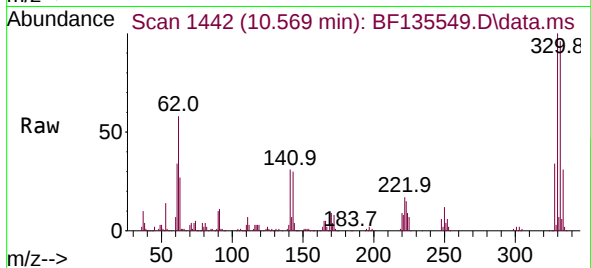
Acq: 03 Oct 2023 19:09

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-04



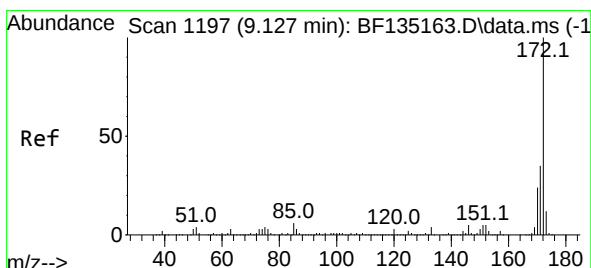
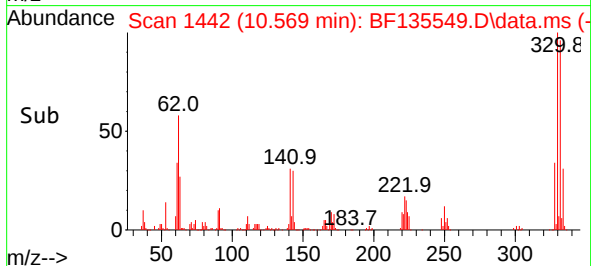
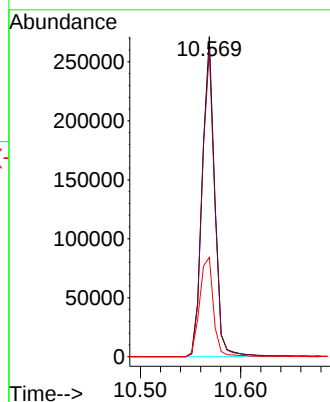
Tgt Ion:330 Resp: 235936

Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

141 34.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 55.900 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135549.D

Acq: 03 Oct 2023 19:09

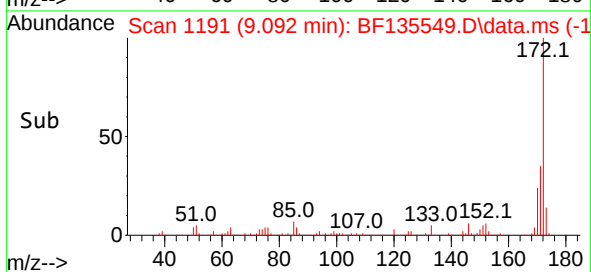
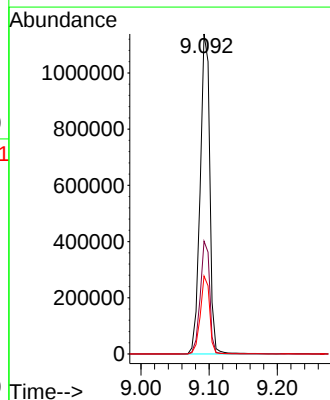
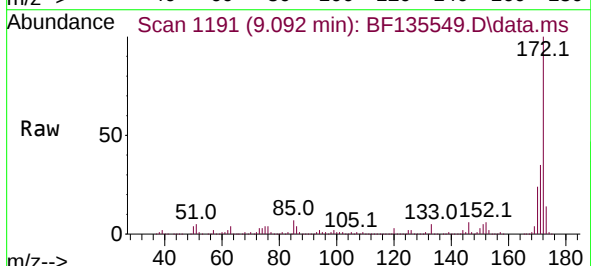
Tgt Ion:172 Resp: 1118598

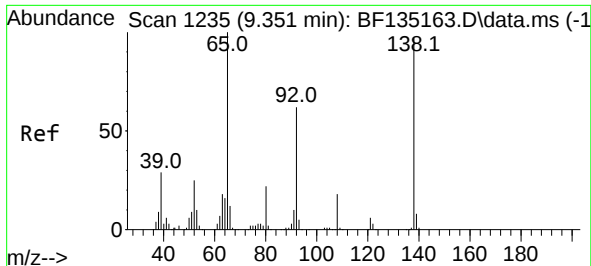
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 24.3 19.0 28.4

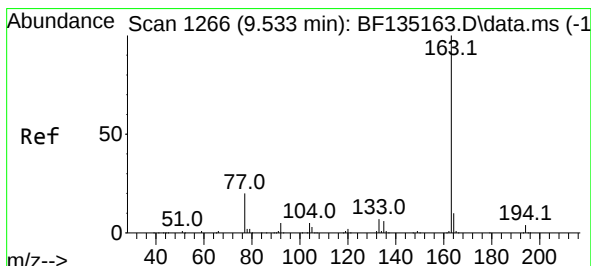
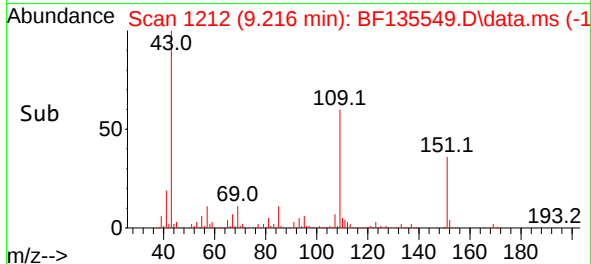
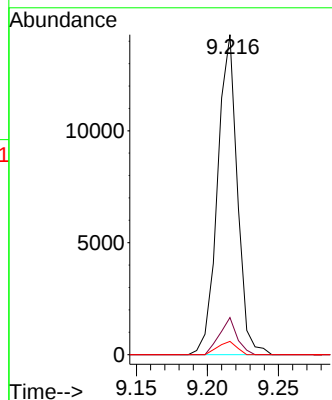
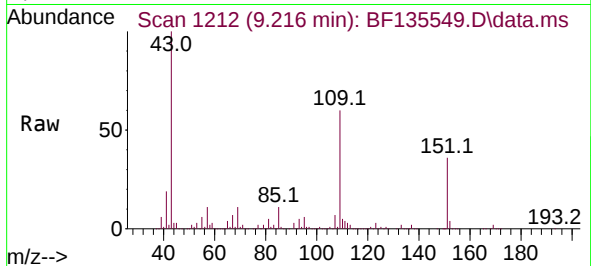




#48
2-Nitroaniline
Concen: 2.114 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

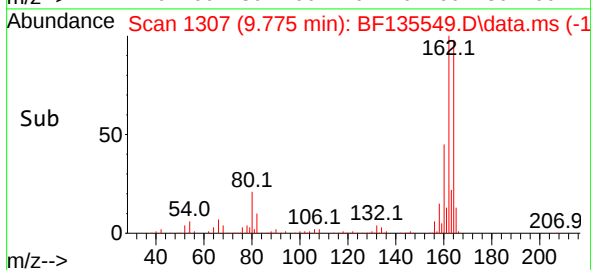
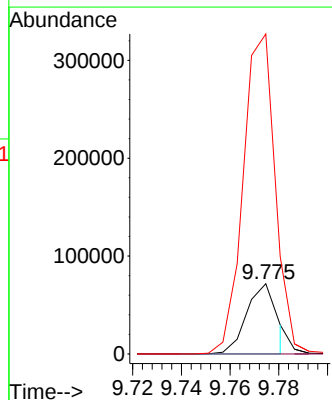
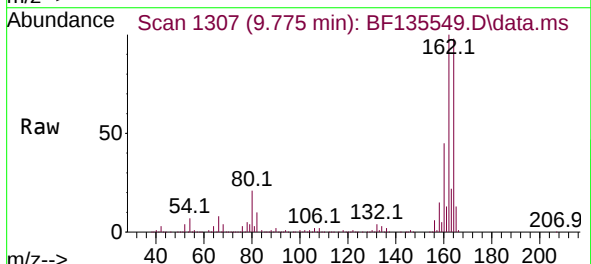
Instrument :
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280-300FB-BACKFILL-04

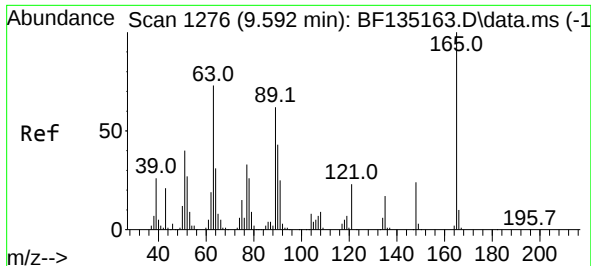
Tgt Ion: 65 Resp: 13828
Ion Ratio Lower Upper
65 100
92 11.6 49.4 74.0#
138 4.2 77.4 116.0#



#50
Dimethylphthalate
Concen: 3.015 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.271 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

Tgt Ion: 163 Resp: 61535
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 455.3 8.1 12.1#

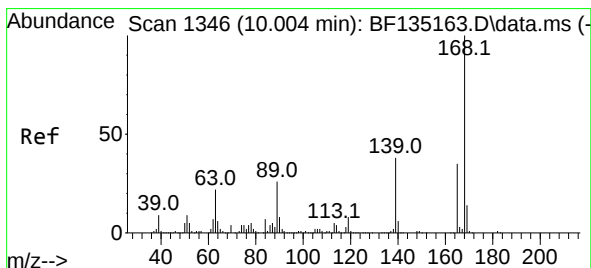
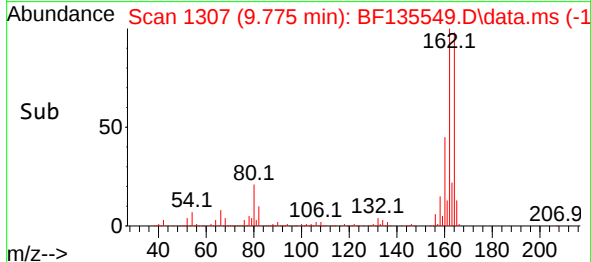
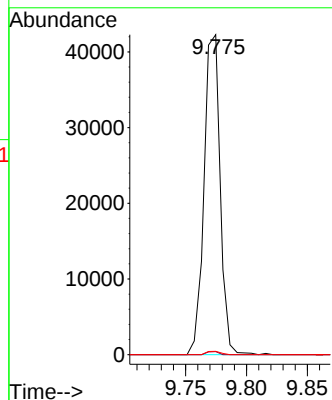
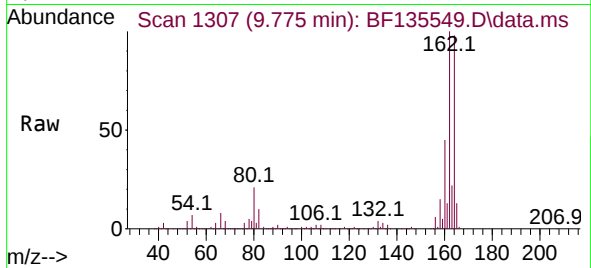




#51
2,6-Dinitrotoluene
Concen: 8.738 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

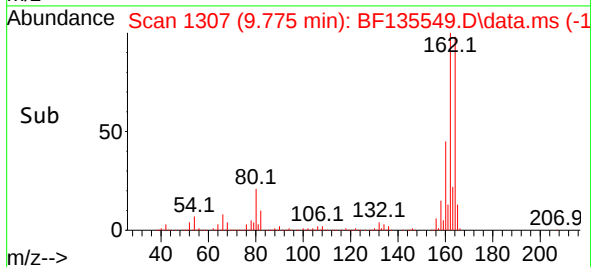
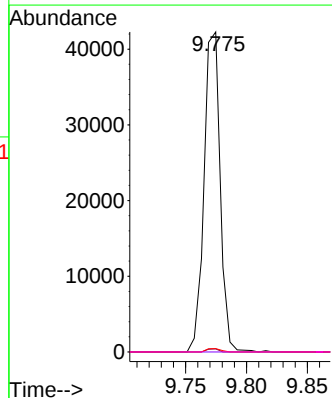
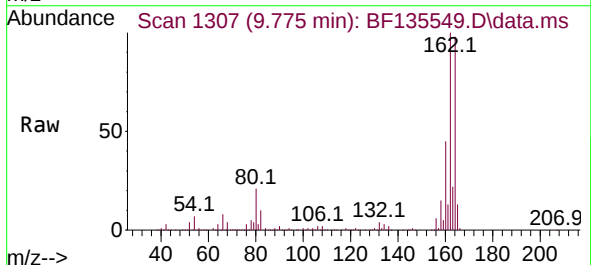
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-04

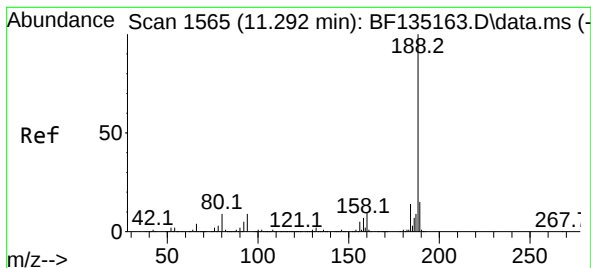
Tgt Ion:165 Resp: 39073
Ion Ratio Lower Upper
165 100
63 1.0 59.4 89.2#
89 1.0 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.980 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.206 min
Lab File: BF135549.D
Acq: 03 Oct 2023 19:09

Tgt Ion:165 Resp: 39073
Ion Ratio Lower Upper
165 100
63 1.0 50.1 75.1#
89 1.0 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135549.D

Acq: 03 Oct 2023 19:09

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-04

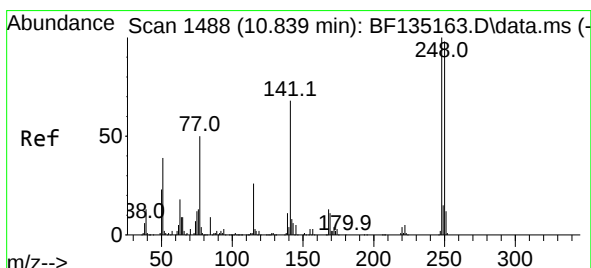
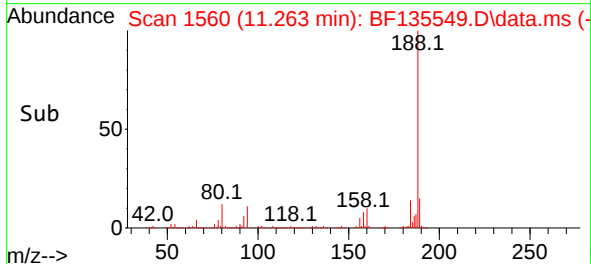
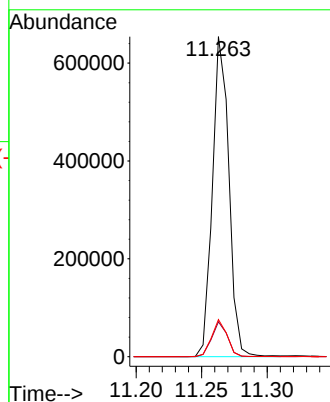
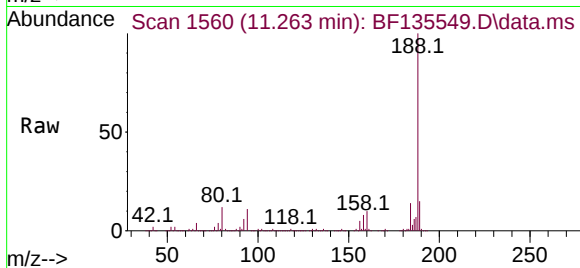
Tgt Ion:188 Resp: 571186

Ion Ratio Lower Upper

188 100

94 10.9 7.0 10.6#

80 11.6 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 2.714 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135549.D

Acq: 03 Oct 2023 19:09

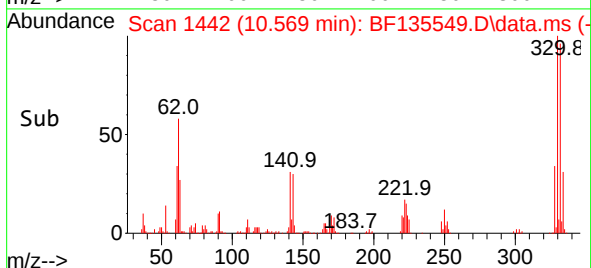
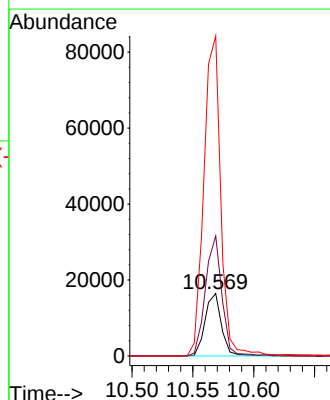
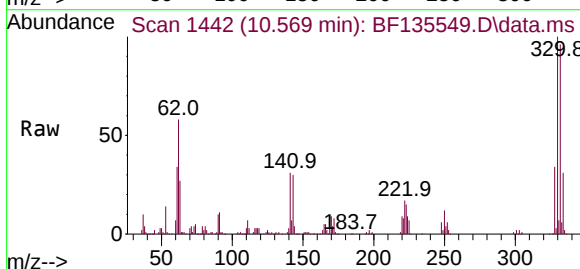
Tgt Ion:248 Resp: 15417

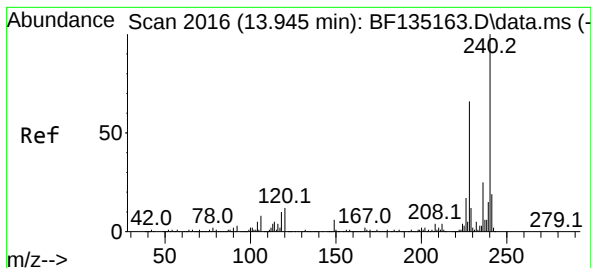
Ion Ratio Lower Upper

248 100

250 192.2 78.6 117.8#

141 512.6 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135549.D

Acq: 03 Oct 2023 19:09

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-04

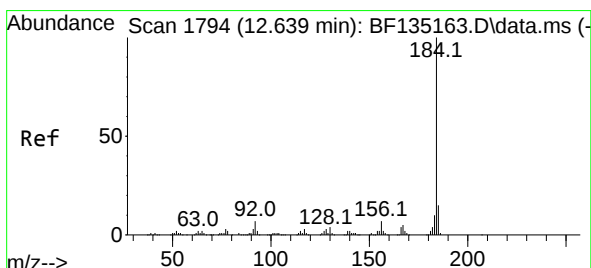
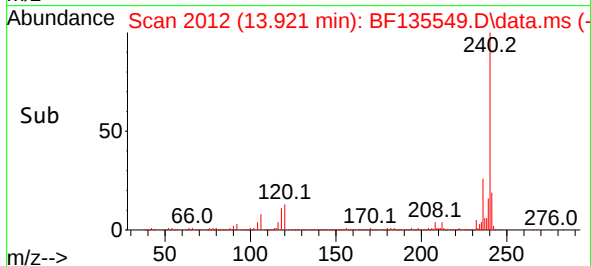
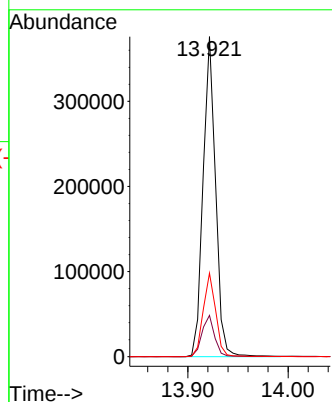
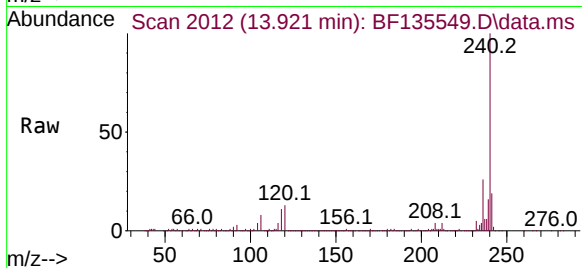
Tgt Ion:240 Resp: 326853

Ion Ratio Lower Upper

240 100

120 12.9 9.4 14.2

236 26.1 19.8 29.8



#77

Benzidine

Concen: 2.139 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF135549.D

Acq: 03 Oct 2023 19:09

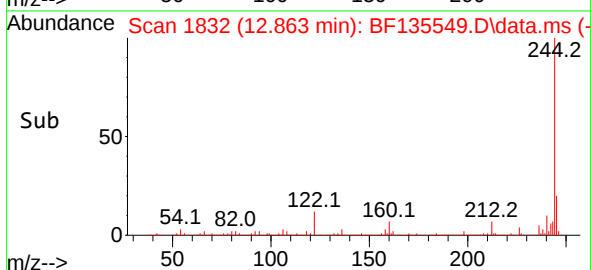
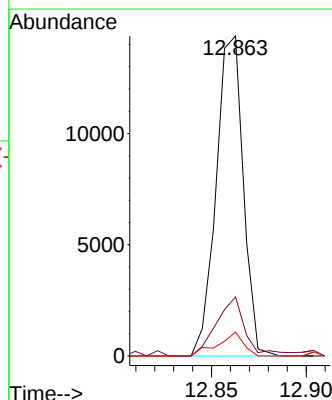
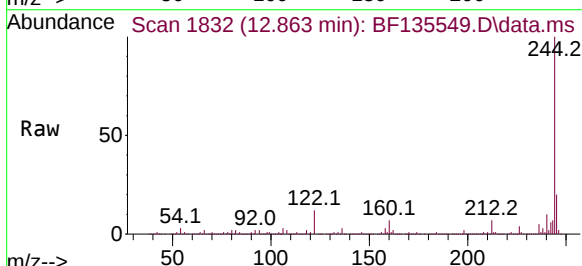
Tgt Ion:184 Resp: 14323

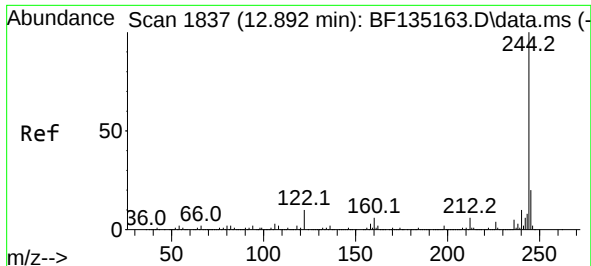
Ion Ratio Lower Upper

184 100

185 18.5 11.7 17.5#

183 7.4 8.2 12.4#

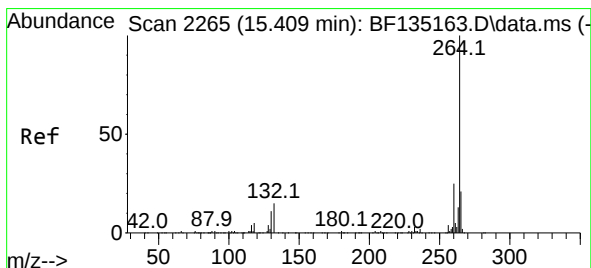
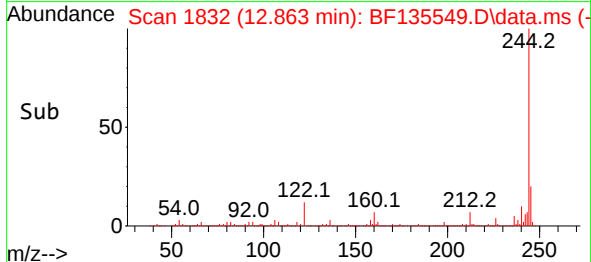
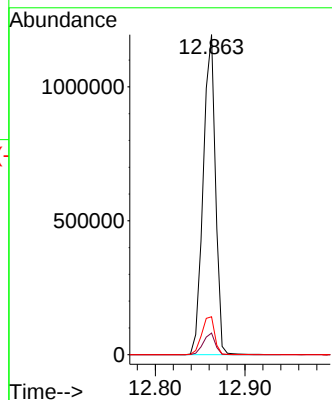
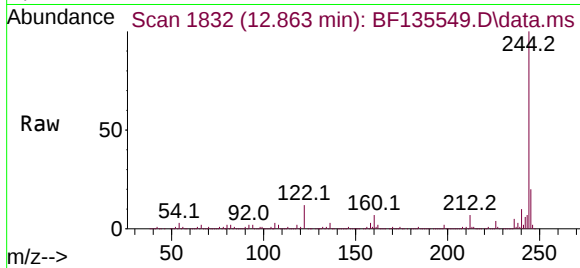




#79
 Terphenyl-d14
 Concen: 53.766 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. 0.000 min
 Lab File: BF135549.D
 Acq: 03 Oct 2023 19:09

Instrument :
 BNA_F
 ClientSampleId :
 280-300FB-BACKFILL-04

Tgt Ion:244 Resp: 1133641
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 11.8 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2261
 Delta R.T. 0.000 min
 Lab File: BF135549.D
 Acq: 03 Oct 2023 19:09

Tgt Ion:264 Resp: 308611
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.8 29.6
 265 21.1 17.0 25.4

