

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135107.D
 Acq On : 05 Sep 2023 22:26
 Operator : CG\JU
 Sample : 04274-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2683

Quant Time: Sep 06 01:58:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

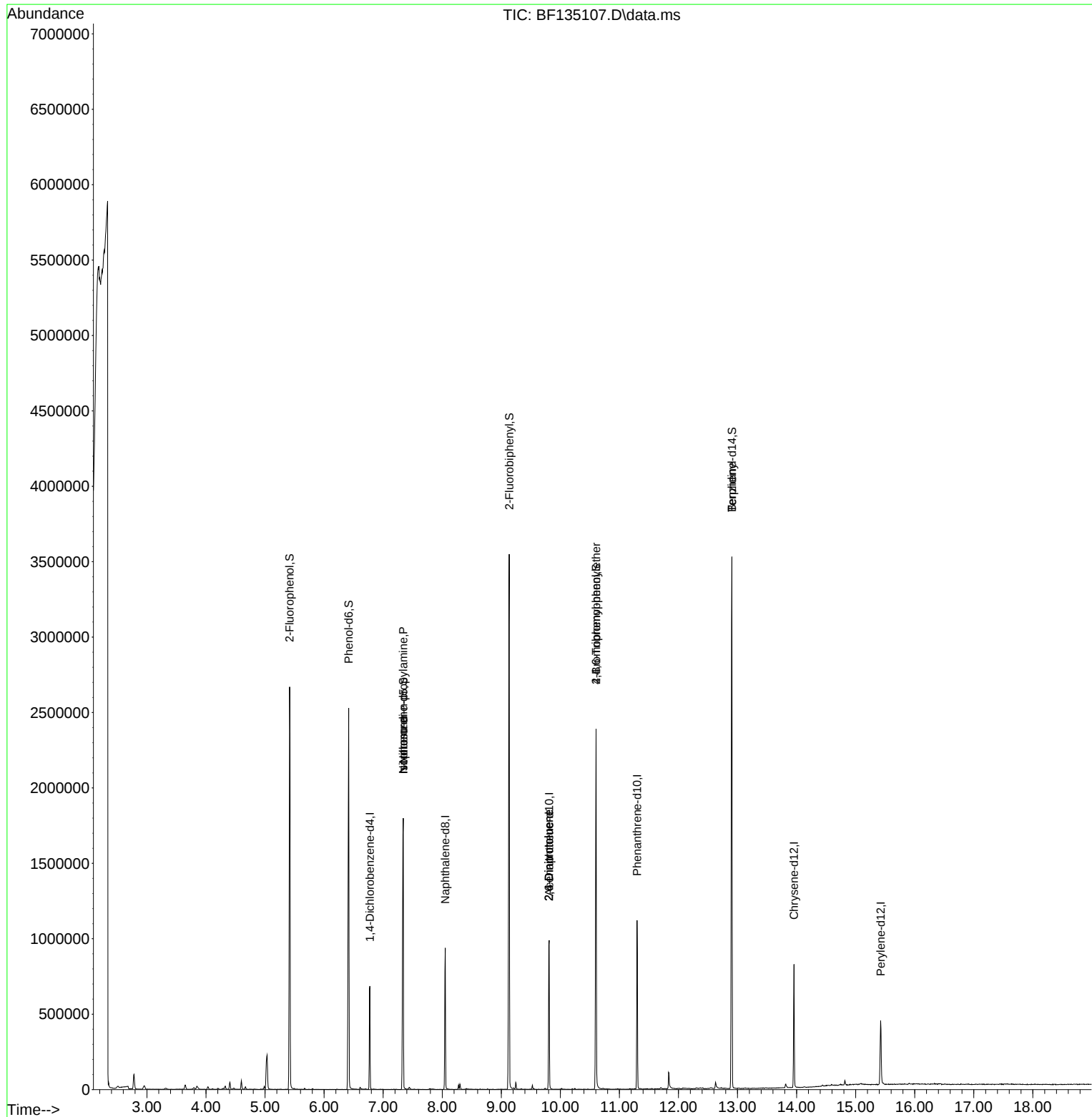
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	101079	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	412450	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	214686	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	401528	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	248796	20.000	ng	0.00
86) Perylene-d12	15.421	264	202758	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	770014	117.668	ng	0.02
7) Phenol-d6	6.416	99	860170	105.457	ng	0.00
23) Nitrobenzene-d5	7.340	82	648723	88.364	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	290668	127.633	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	1143975	86.755	ng	0.00
79) Terphenyl-d14	12.904	244	1325629	86.950	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	87075	17.972	ng	# 74
25) Isophorone	7.340	82	648820	46.613	ng	# 65
51) 2,6-Dinitrotoluene	9.804	165	27819	8.434	ng	# 22
57) 2,4-Dinitrotoluene	9.804	165	27819	6.767	ng	# 20
67) 4-Bromophenyl-phenylether	10.604	248	18097	4.249	ng	# 1
69) Atrazine	11.157	200	54	Below Cal		# 37
77) Benzidine	12.904	184	16329	3.641	ng	# 94

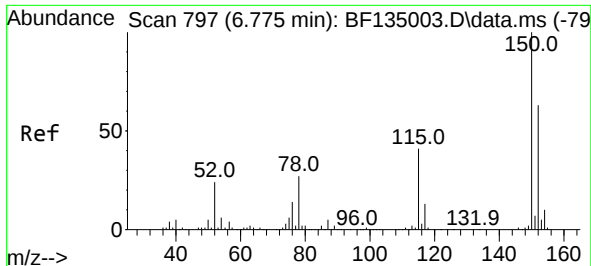
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
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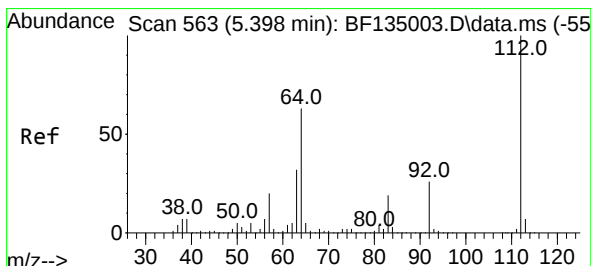
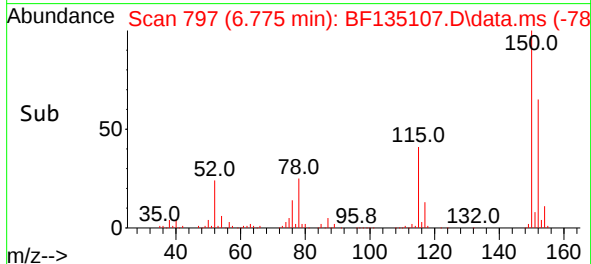
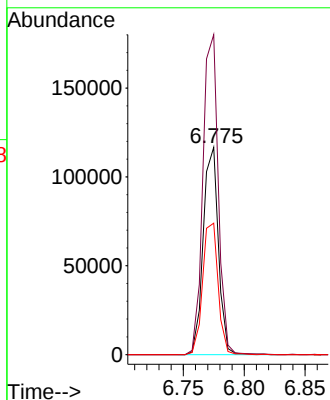
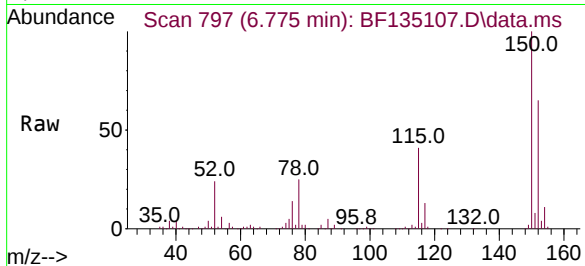




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

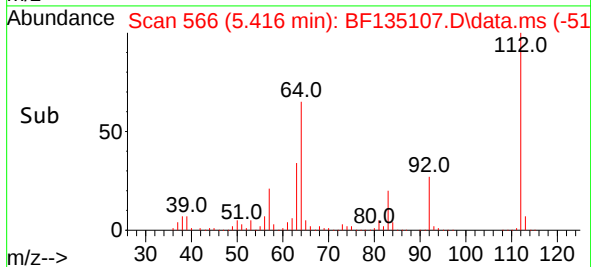
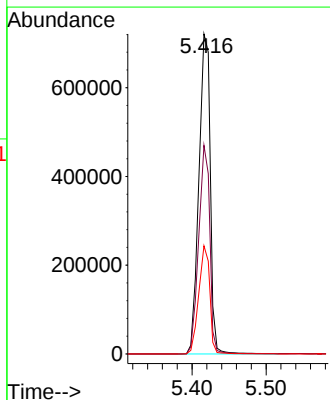
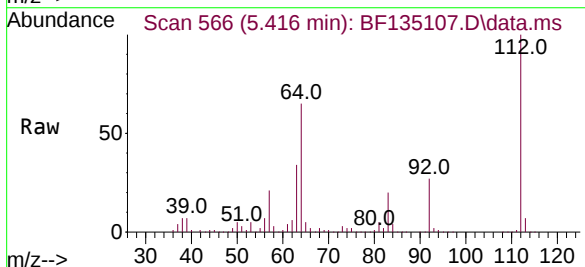
Instrument :
BNA_F
ClientSampleId :
RT2683

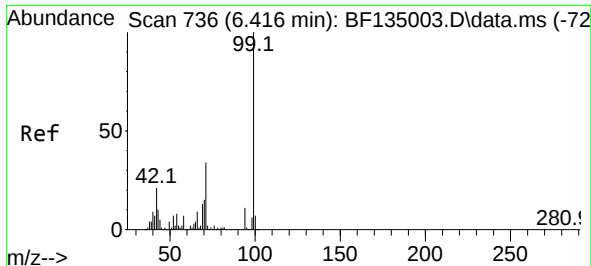
Tgt Ion:152 Resp: 101079
Ion Ratio Lower Upper
152 100
150 154.3 126.2 189.4
115 63.4 51.2 76.8



#5
2-Fluorophenol
Concen: 117.668 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

Tgt Ion:112 Resp: 770014
Ion Ratio Lower Upper
112 100
64 65.2 50.5 75.7
63 33.8 25.9 38.9

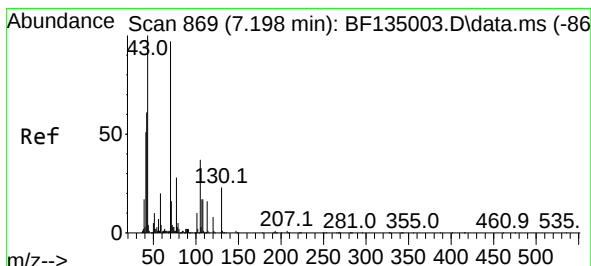
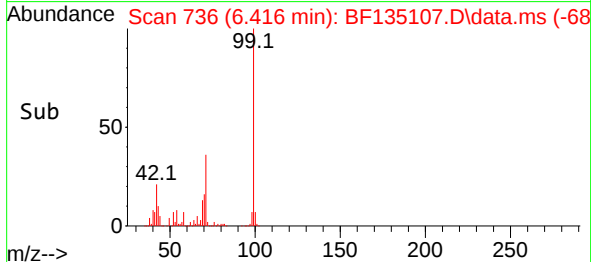
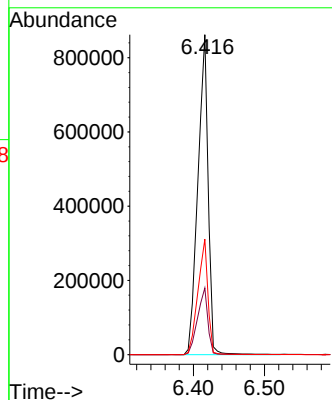
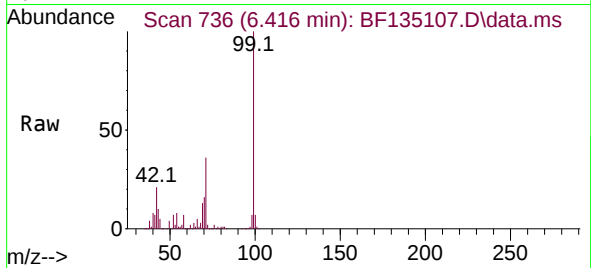




#7
Phenol-d6
Concen: 105.457 ng
RT: 6.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

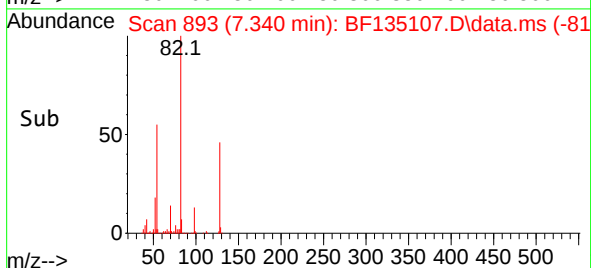
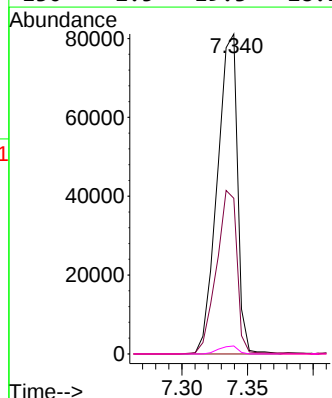
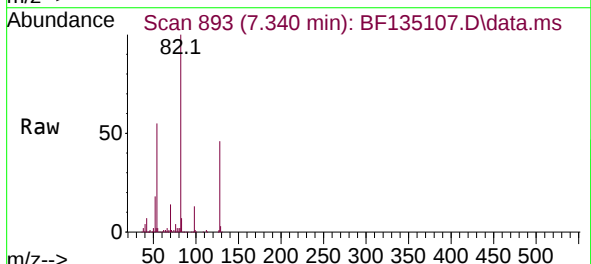
Instrument :
BNA_F
ClientSampleId :
RT2683

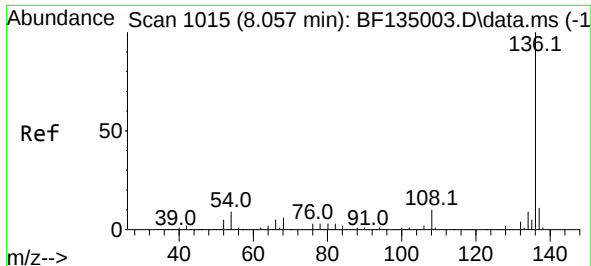
Tgt Ion: 99 Resp: 860170
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 36.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.972 ng
RT: 7.340 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

Tgt Ion: 70 Resp: 87075
Ion Ratio Lower Upper
70 100
42 48.6 50.2 75.4#
101 0.0 8.1 12.1#
130 2.5 19.3 28.9#

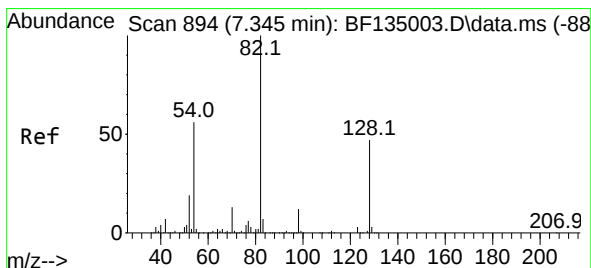
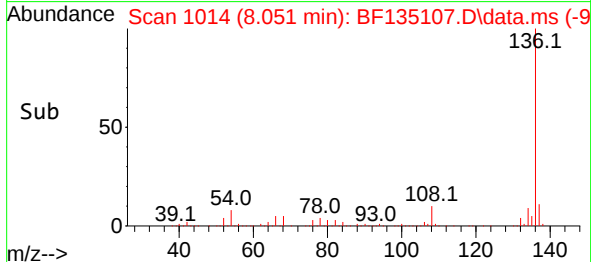
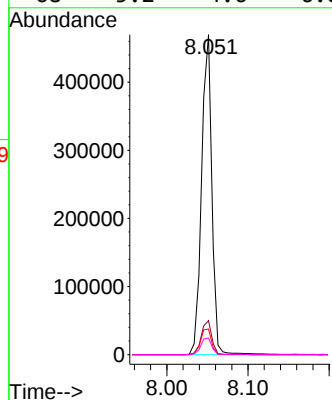
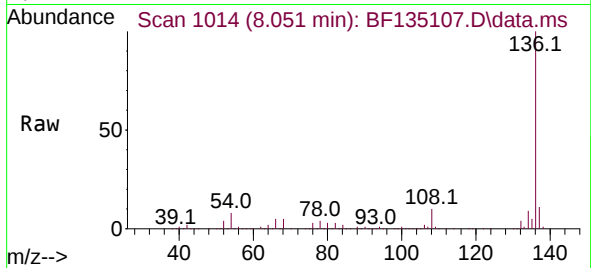




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

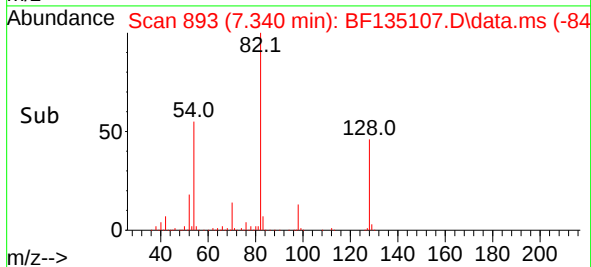
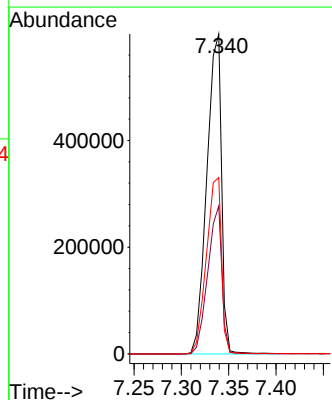
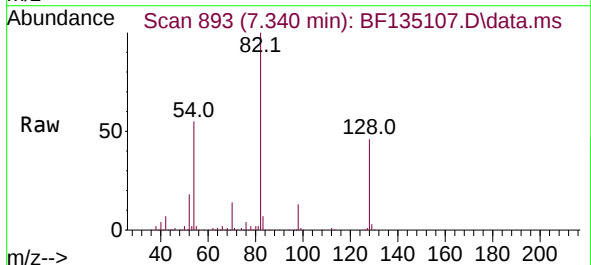
Instrument :
BNA_F
ClientSampleId :
RT2683

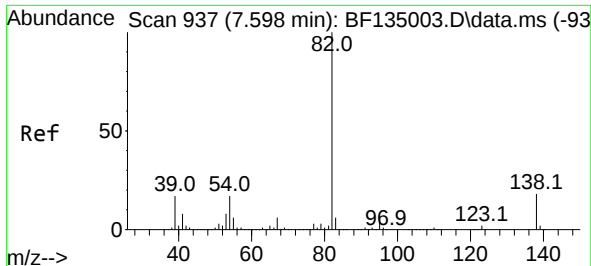
Tgt Ion:136	Resp: 412450
Ion Ratio	Lower Upper
136	100
137	10.6 8.8 13.2
54	8.0 7.0 10.4
68	5.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 88.364 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

Tgt Ion: 82	Resp: 648723
Ion Ratio	Lower Upper
82	100
128	46.2 37.8 56.8
54	55.1 45.0 67.6

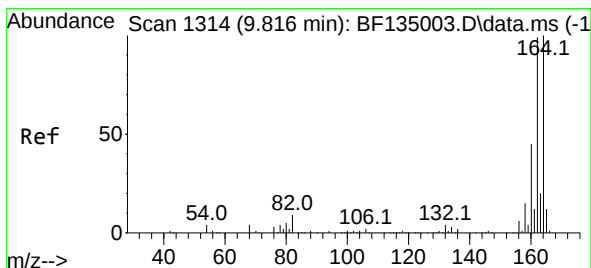
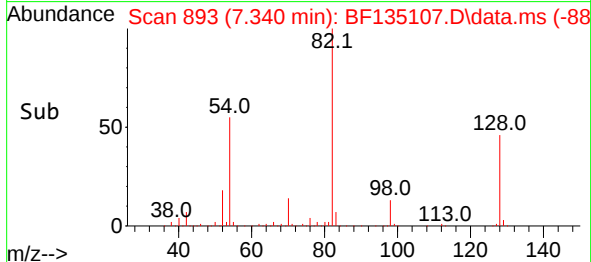
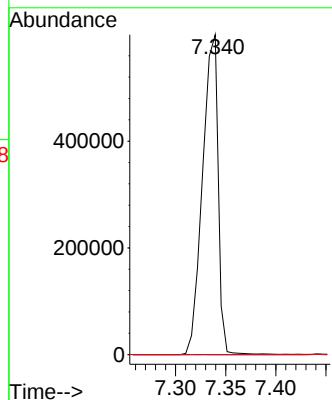
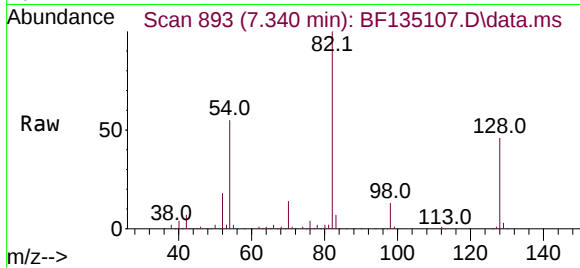




#25
Isophorone
Concen: 46.613 ng
RT: 7.340 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

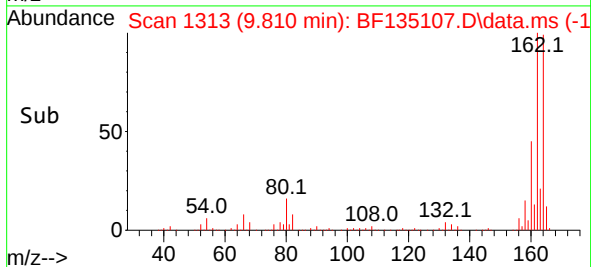
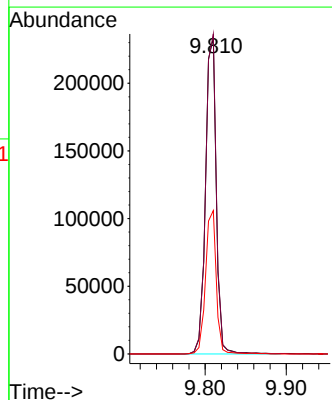
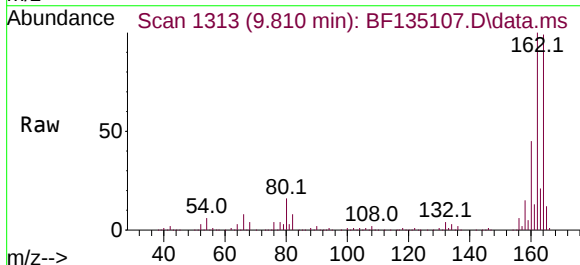
Instrument :
BNA_F
ClientSampleId :
RT2683

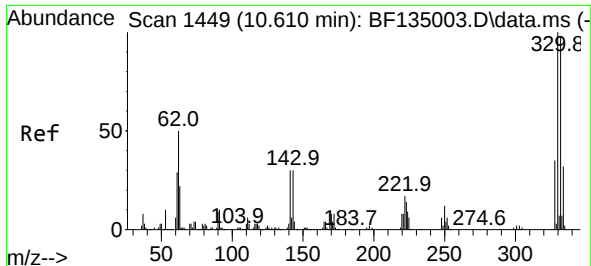
Tgt Ion: 82 Resp: 648820
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

Tgt Ion: 164 Resp: 214686
Ion Ratio Lower Upper
164 100
162 101.4 79.5 119.3
160 45.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 127.633 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF135107.D

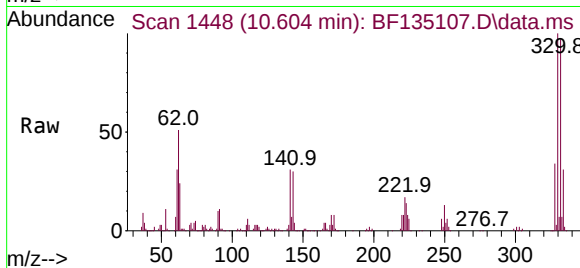
Acq: 05 Sep 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RT2683



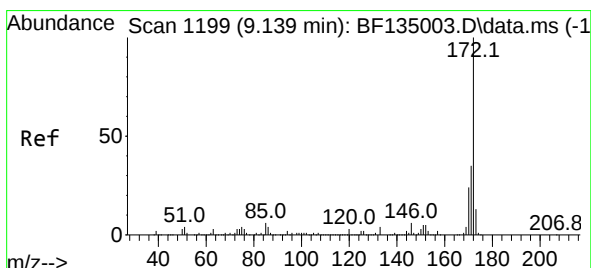
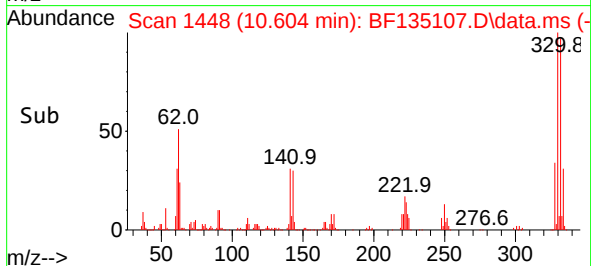
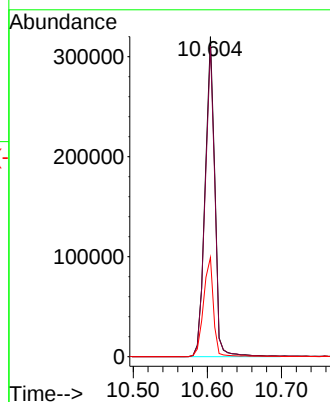
Tgt Ion:330 Resp: 290668

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 32.1 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 86.755 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF135107.D

Acq: 05 Sep 2023 22:26

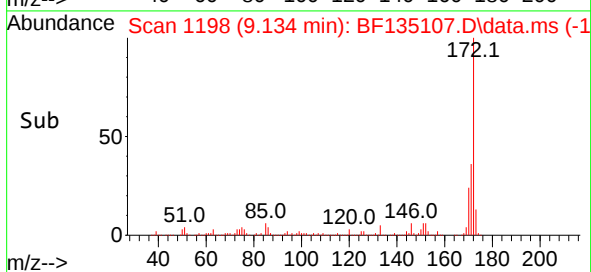
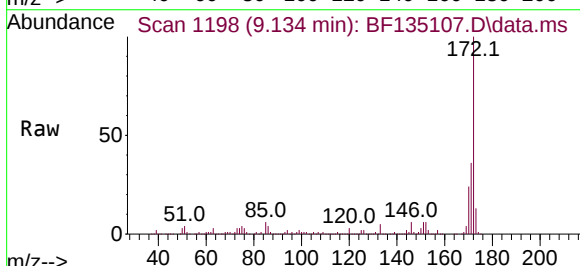
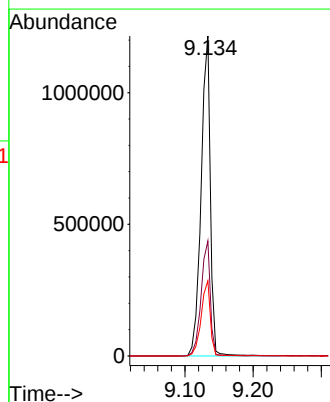
Tgt Ion:172 Resp: 1143975

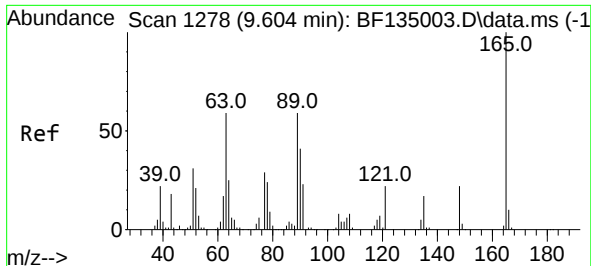
Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.2

170 23.5 19.0 28.4

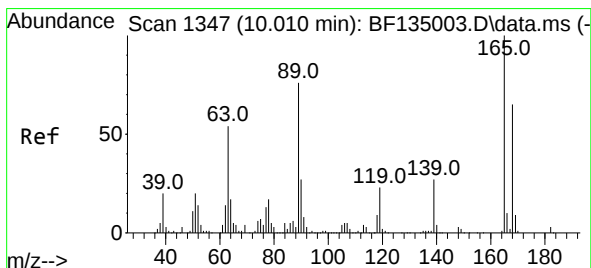
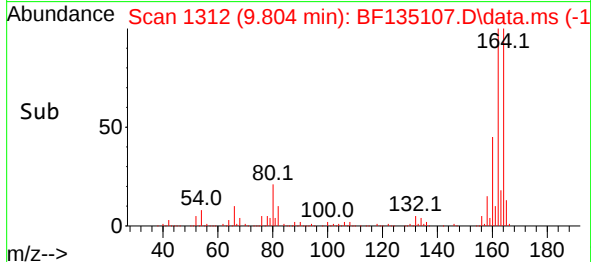
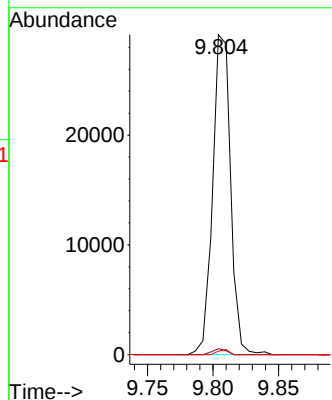
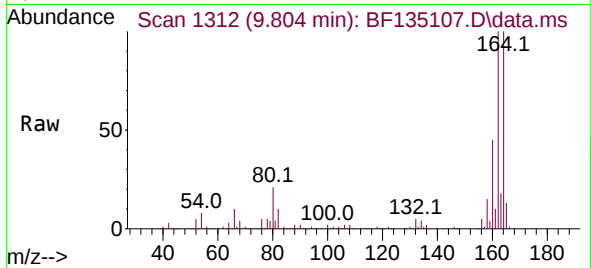




#51
2,6-Dinitrotoluene
Concen: 8.434 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.200 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

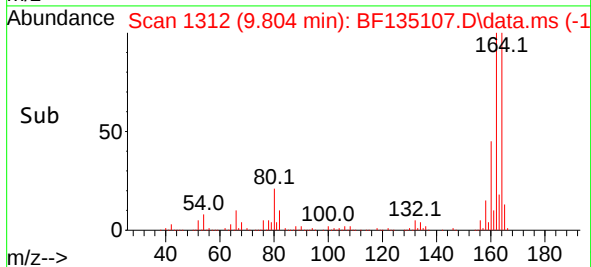
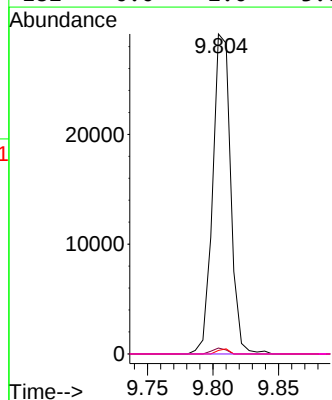
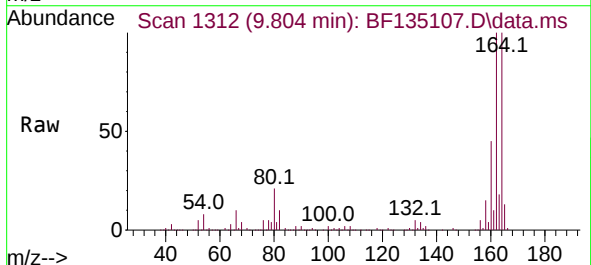
Instrument :
BNA_F
ClientSampleId :
RT2683

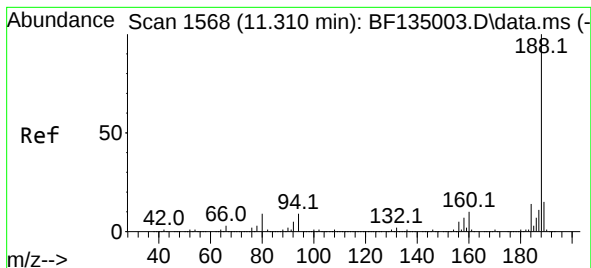
Tgt Ion:165 Resp: 27819
Ion Ratio Lower Upper
165 100
63 1.8 50.4 75.6#
89 1.1 47.1 70.7#



#57
2,4-Dinitrotoluene
Concen: 6.767 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.206 min
Lab File: BF135107.D
Acq: 05 Sep 2023 22:26

Tgt Ion:165 Resp: 27819
Ion Ratio Lower Upper
165 100
63 1.8 43.2 64.8#
89 1.1 60.8 91.2#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135107.D

Acq: 05 Sep 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RT2683

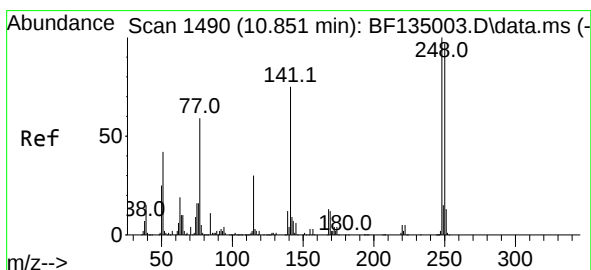
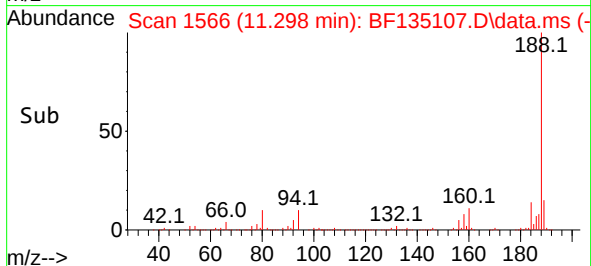
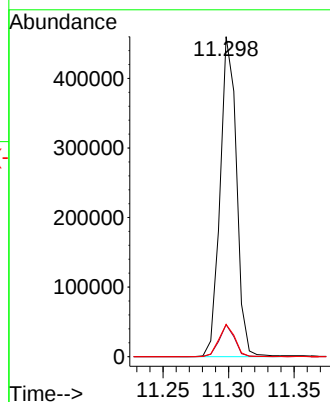
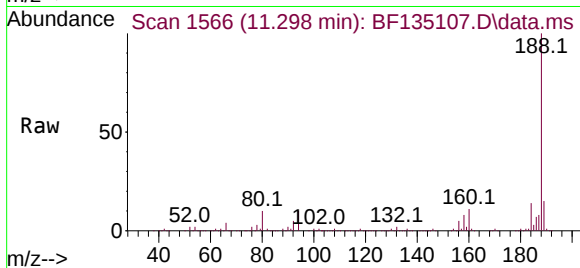
Tgt Ion:188 Resp: 401528

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.4

80 10.1 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 4.249 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF135107.D

Acq: 05 Sep 2023 22:26

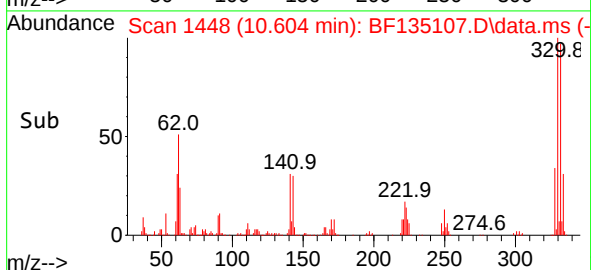
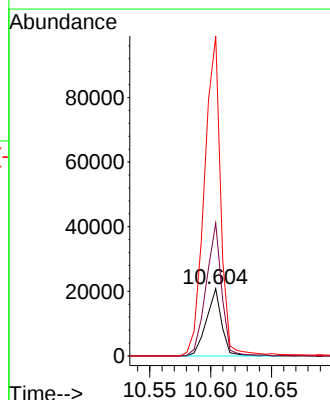
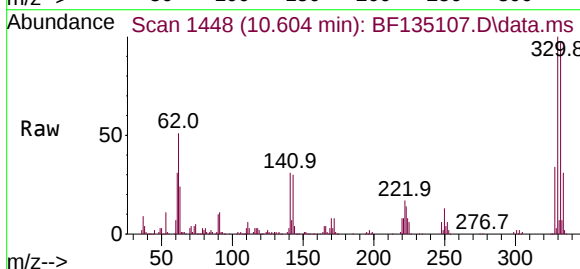
Tgt Ion:248 Resp: 18097

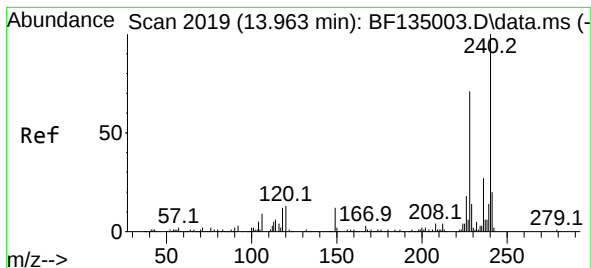
Ion Ratio Lower Upper

248 100

250 197.7 77.9 116.9#

141 476.7 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135107.D

Acq: 05 Sep 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RT2683

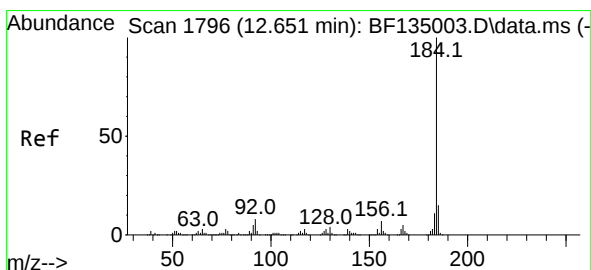
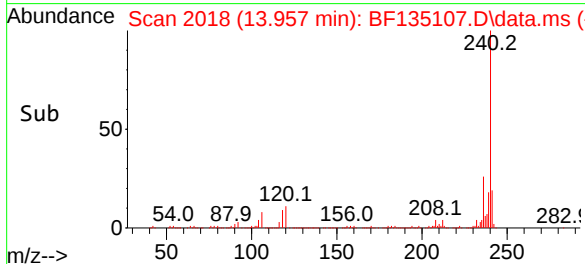
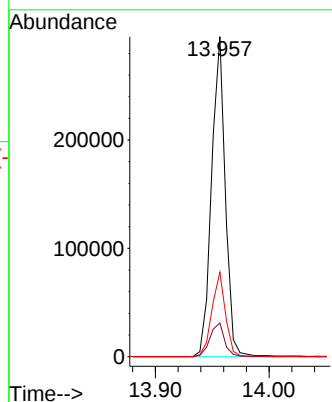
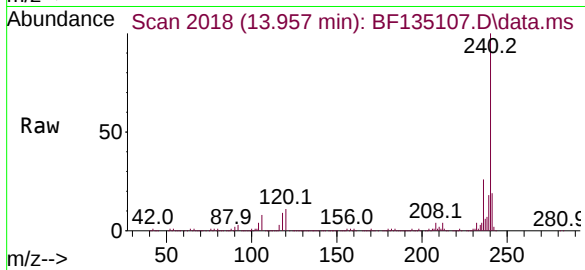
Tgt Ion:240 Resp: 248796

Ion Ratio Lower Upper

240 100

120 10.6 10.2 15.2

236 26.4 21.3 31.9



#77

Benzidine

Concen: 3.641 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.253 min

Lab File: BF135107.D

Acq: 05 Sep 2023 22:26

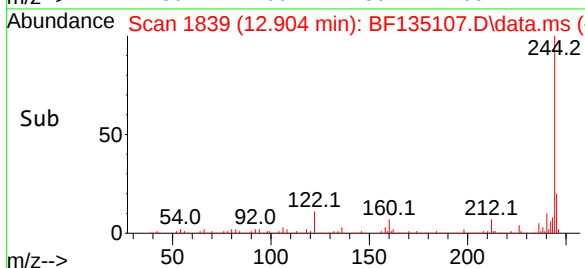
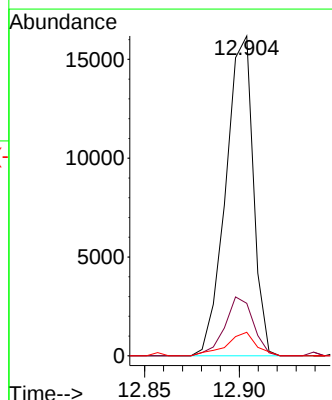
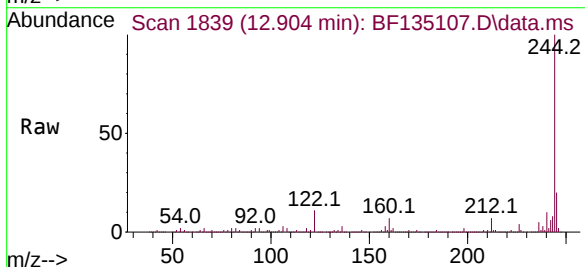
Tgt Ion:184 Resp: 16329

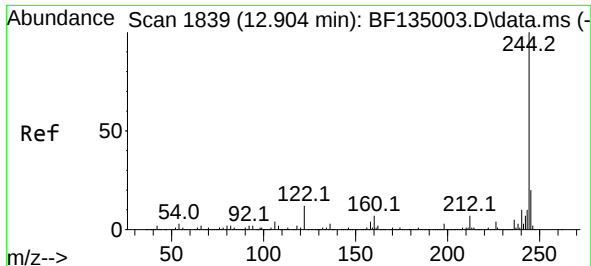
Ion Ratio Lower Upper

184 100

185 16.4 12.0 18.0

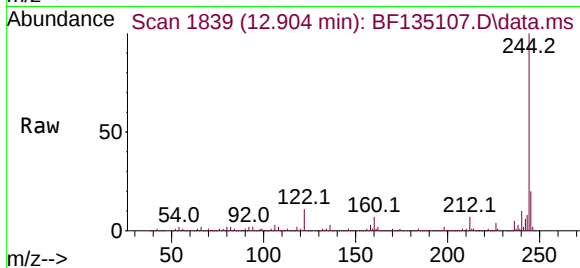
183 7.4 9.0 13.6#





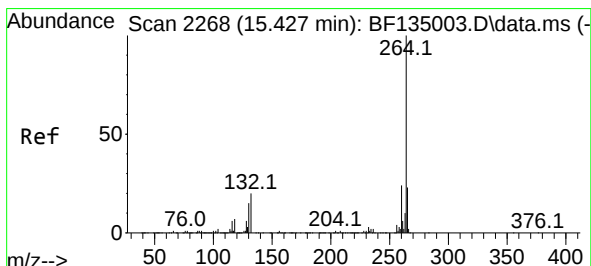
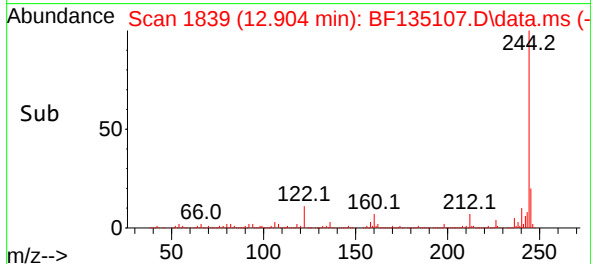
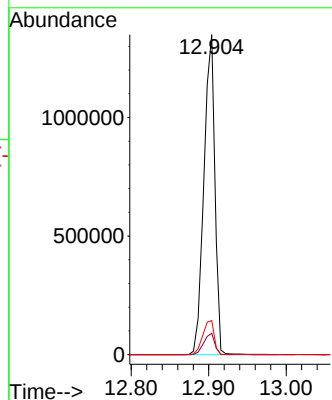
#79
 Terphenyl-d14
 Concen: 86.950 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. 0.000 min
 Lab File: BF135107.D
 Acq: 05 Sep 2023 22:26

Instrument :
 BNA_F
 ClientSampleId :
 RT2683



Tgt Ion:244 Resp: 1325629

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.6	9.8	14.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. -0.006 min
 Lab File: BF135107.D
 Acq: 05 Sep 2023 22:26

Tgt Ion:264 Resp: 202758

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	20.9	18.2	27.2

