

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071024\
 Data File : BF138505.D
 Acq On : 10 Jul 2024 17:11
 Operator : CG\JU
 Sample : P3191-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 240703079-01

Quant Time: Jul 10 18:19:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

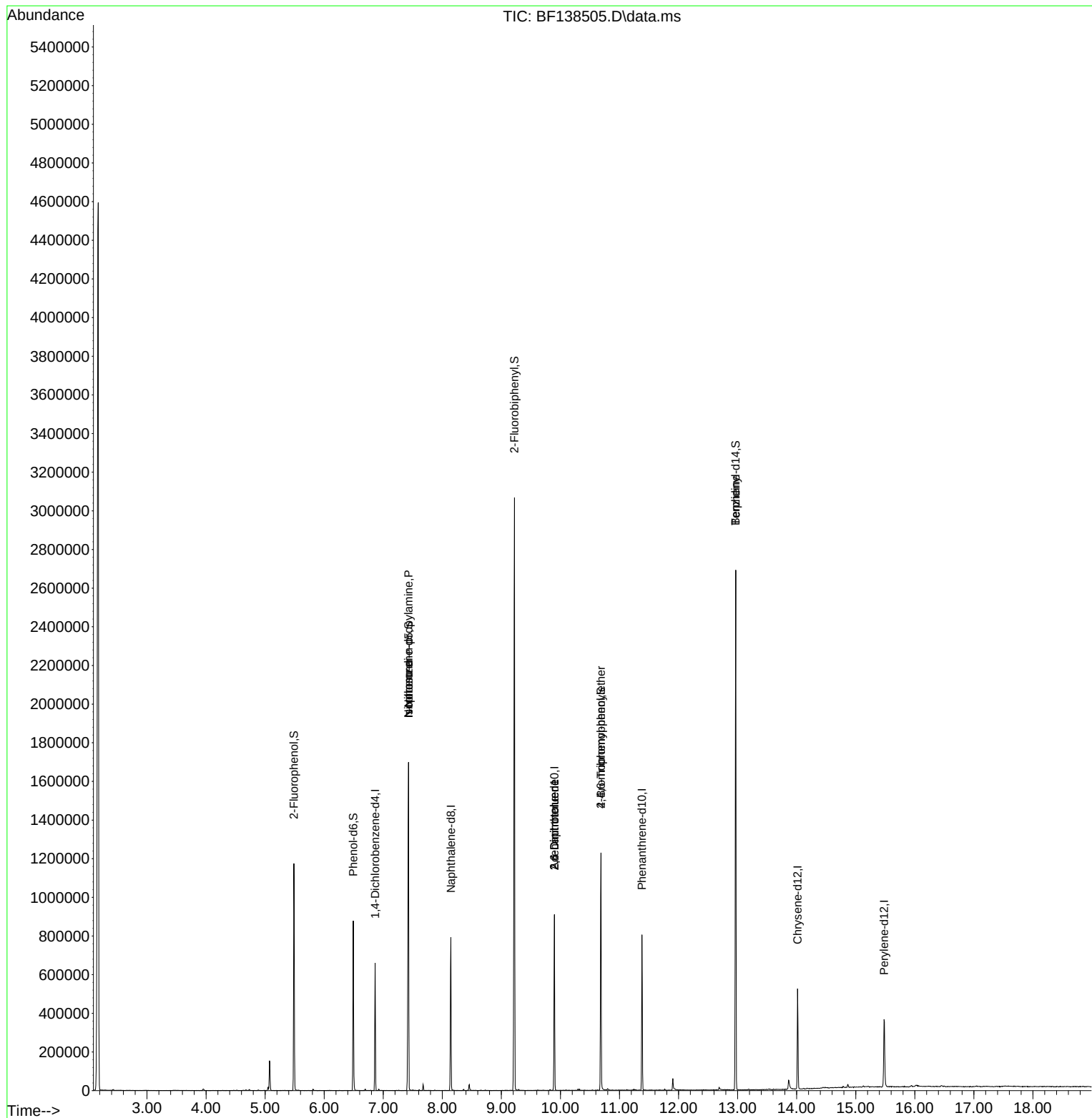
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	80233	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	319005	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	170239	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	265515	20.000	ng	0.00
76) Chrysene-d12	14.015	240	153752	20.000	ng	-0.01
86) Perylene-d12	15.480	264	162897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	261301	51.579	ng	0.00
7) Phenol-d6	6.492	99	221649	32.889	ng	-0.01
23) Nitrobenzene-d5	7.428	82	525569	80.890	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	127823	80.339	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	919777	84.442	ng	0.00
79) Terphenyl-d14	12.968	244	833298	88.294	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	70746	16.989	ng	# 74
25) Isophorone	7.428	82	525563	47.102	ng	# 68
51) 2,6-Dinitrotoluene	9.898	165	22361	8.822	ng	# 24
57) 2,4-Dinitrotoluene	9.898	165	22361	6.819	ng	# 18
67) 4-Bromophenyl-phenylether	10.686	248	8482	3.108	ng	# 1
77) Benzidine	12.968	184	11505	2.966	ng	# 90

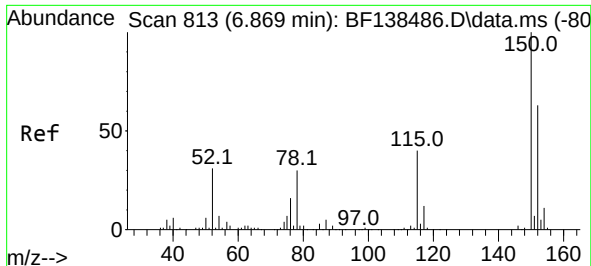
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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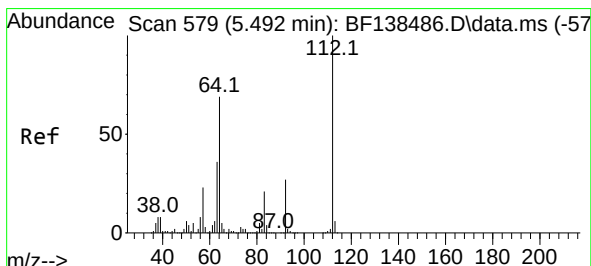
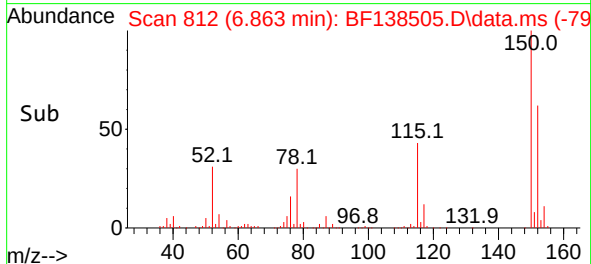
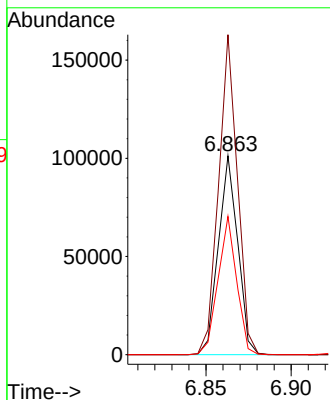
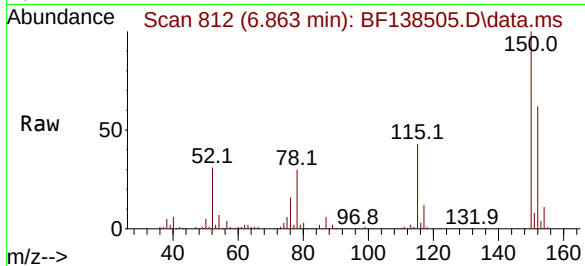




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138505.D
Acq: 10 Jul 2024 17:11

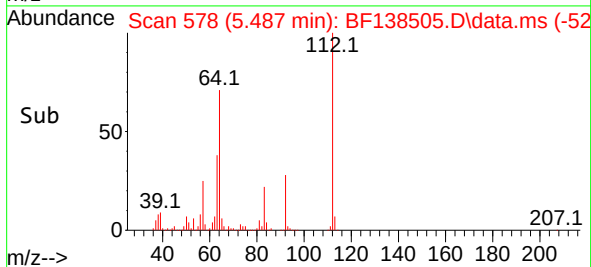
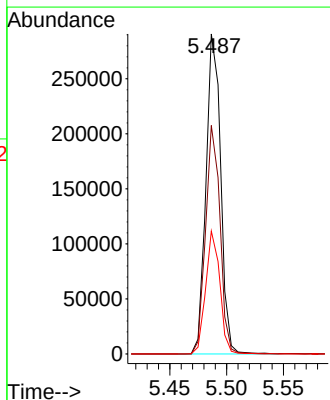
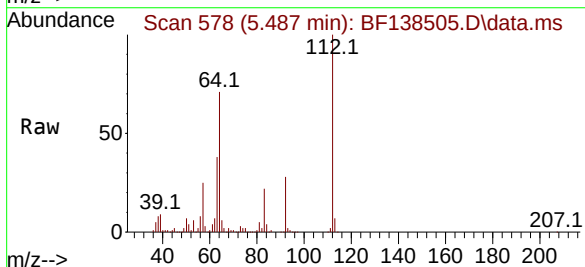
Instrument :
BNA_F
ClientSampleId :
240703079-01

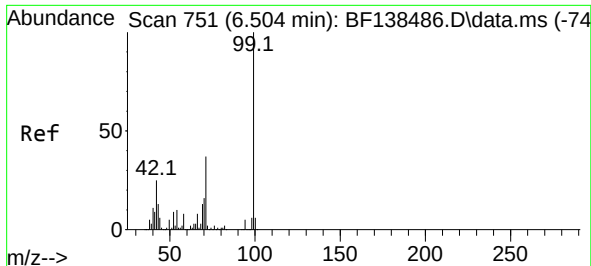
Tgt Ion:152 Resp: 80233
Ion Ratio Lower Upper
152 100
150 160.9 126.2 189.4
115 69.5 50.3 75.5



#5
2-Fluorophenol
Concen: 51.579 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138505.D
Acq: 10 Jul 2024 17:11

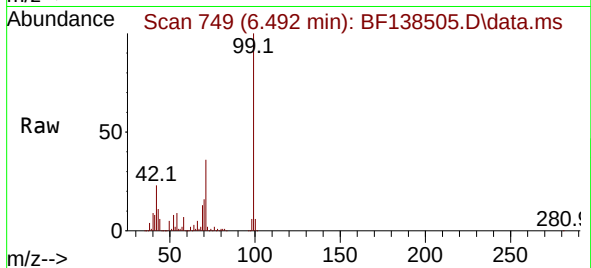
Tgt Ion:112 Resp: 261301
Ion Ratio Lower Upper
112 100
64 71.4 55.1 82.7
63 38.4 29.0 43.6



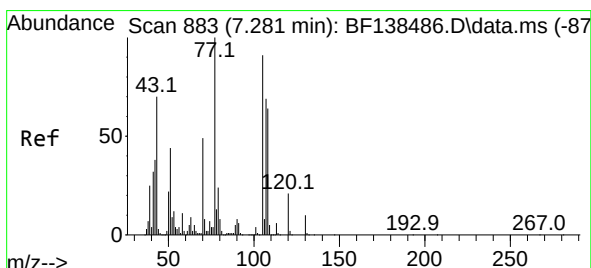
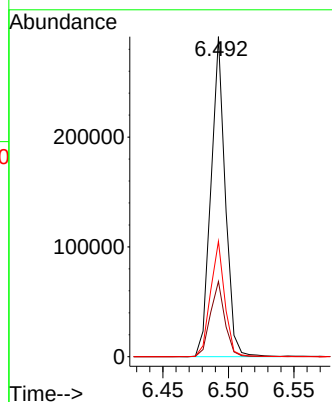
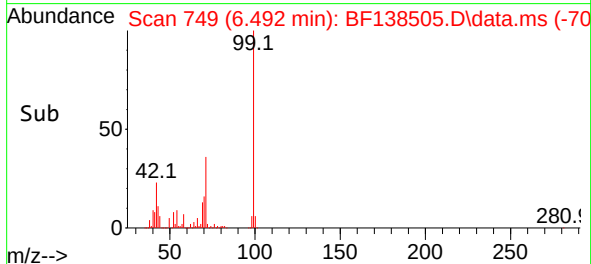


#7
Phenol-d6
Concen: 32.889 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138505.D
Acq: 10 Jul 2024 17:11

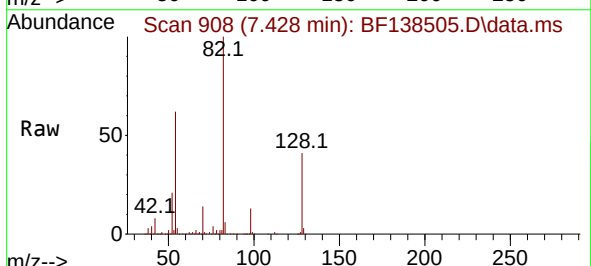
Instrument :
BNA_F
ClientSampleId :
240703079-01



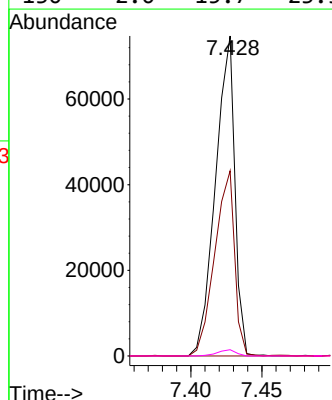
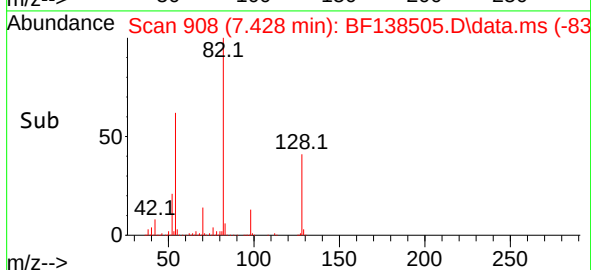
Tgt Ion: 99 Resp: 221649
Ion Ratio Lower Upper
99 100
42 23.5 19.7 29.5
71 36.0 29.9 44.9

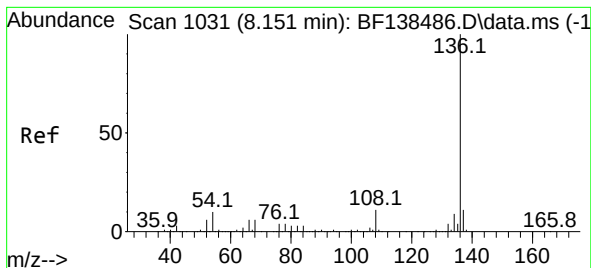


#19
n-Nitroso-di-n-propylamine
Concen: 16.989 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF138505.D
Acq: 10 Jul 2024 17:11



Tgt Ion: 70 Resp: 70746
Ion Ratio Lower Upper
70 100
42 57.8 62.4 93.6#
101 0.0 7.2 10.8#
130 2.0 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138505.D

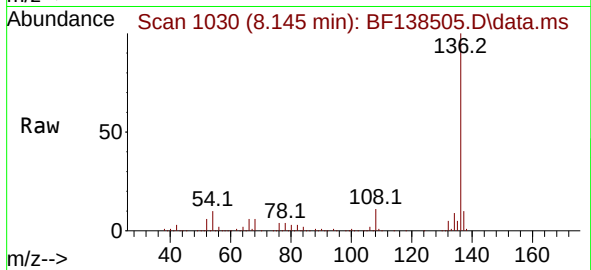
Acq: 10 Jul 2024 17:11

Instrument :

BNA_F

ClientSampleId :

240703079-01



Tgt Ion:136 Resp: 319005

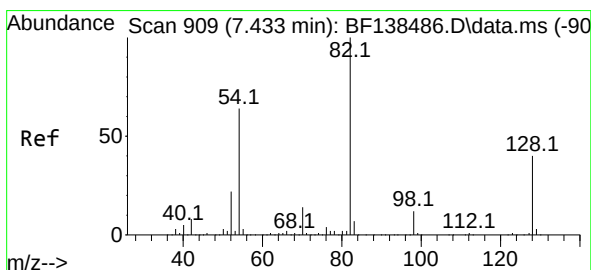
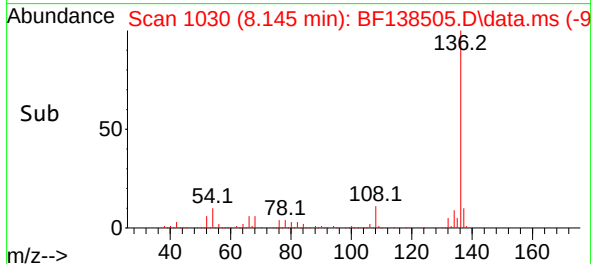
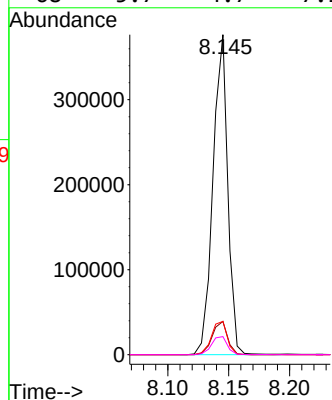
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 10.4 8.1 12.1

68 5.7 4.7 7.1



#23

Nitrobenzene-d5

Concen: 80.890 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF138505.D

Acq: 10 Jul 2024 17:11

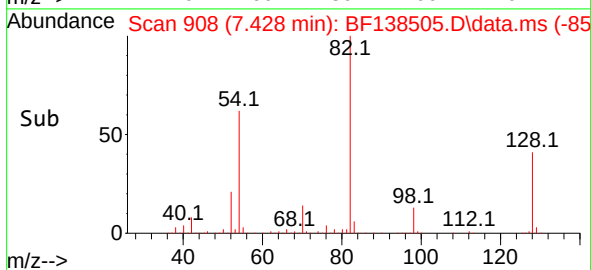
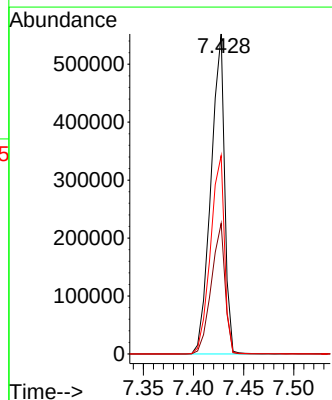
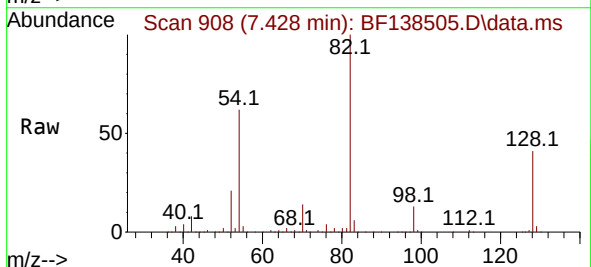
Tgt Ion: 82 Resp: 525569

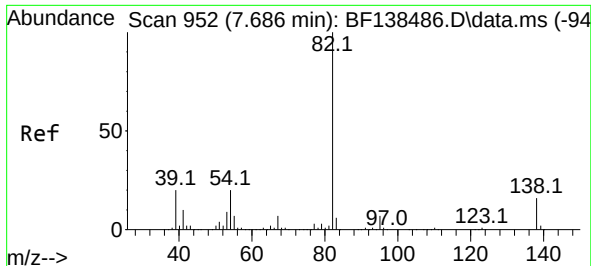
Ion Ratio Lower Upper

82 100

128 40.8 32.3 48.5

54 62.0 51.4 77.0

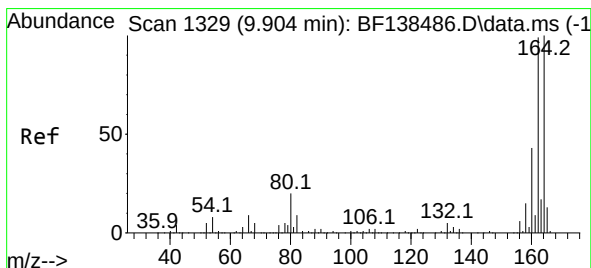
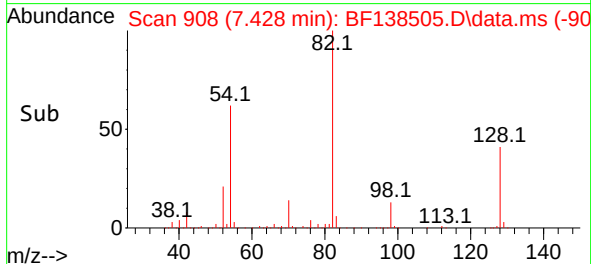
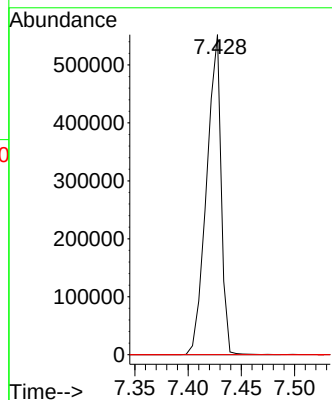
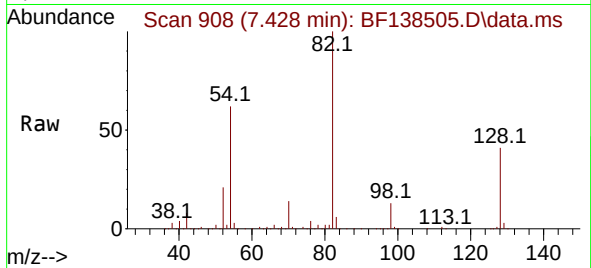




#25
Isophorone
Concen: 47.102 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138505.D
Acq: 10 Jul 2024 17:11

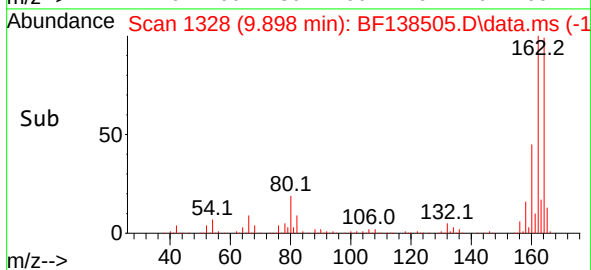
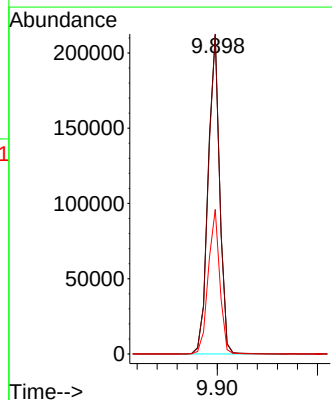
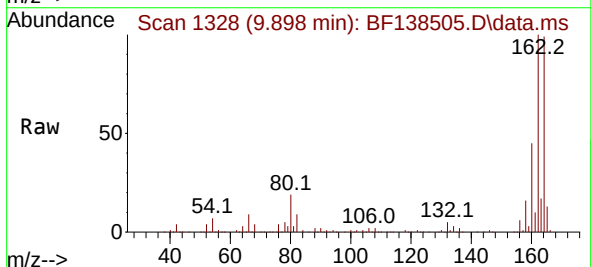
Instrument :
BNA_F
ClientSampleId :
240703079-01

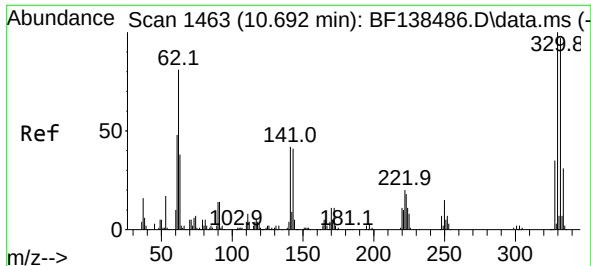
Tgt Ion: 82 Resp: 525563
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138505.D
Acq: 10 Jul 2024 17:11

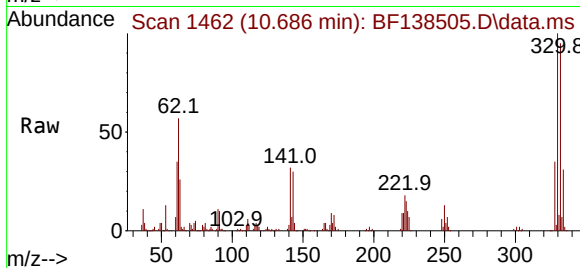
Tgt Ion: 164 Resp: 170239
Ion Ratio Lower Upper
164 100
162 100.6 79.0 118.6
160 45.4 34.4 51.6



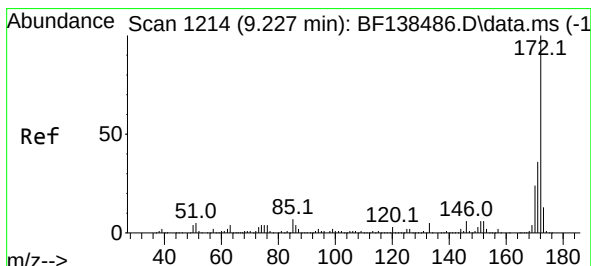
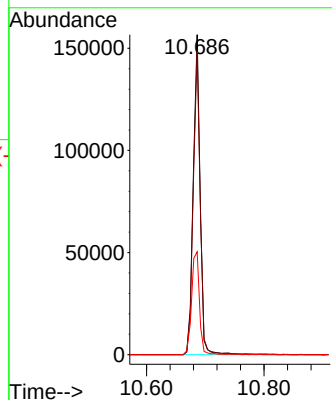
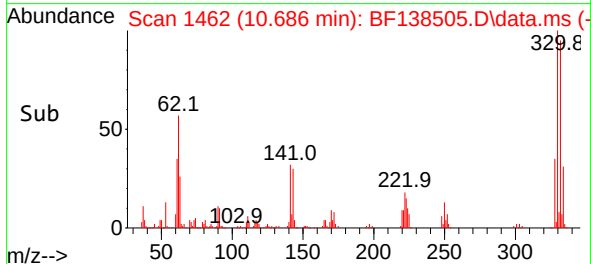


#42
2,4,6-Tribromophenol
Concen: 80.339 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF138505.D
Acq: 10 Jul 2024 17:11

Instrument :
BNA_F
ClientSampleId :
240703079-01

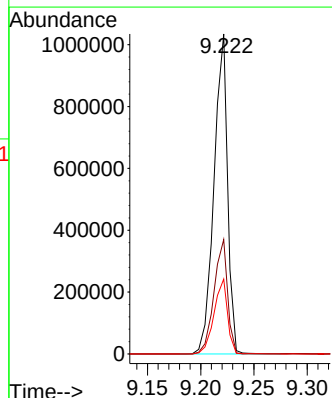
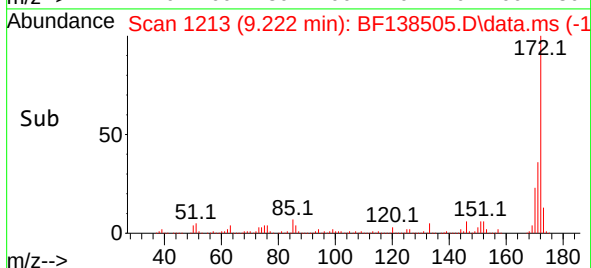
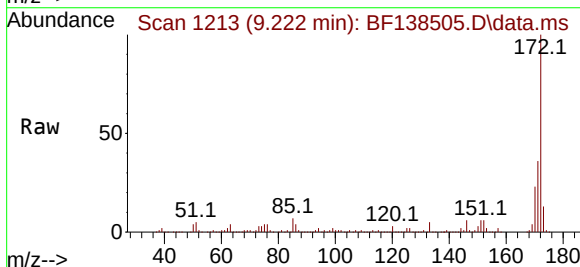


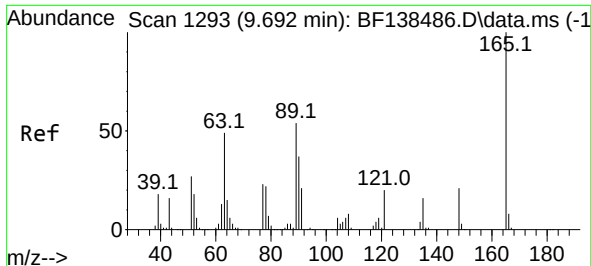
Tgt Ion: 330 Resp: 127823
Ion Ratio Lower Upper
330 100
332 95.4 76.8 115.2
141 36.7 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 84.442 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138505.D
Acq: 10 Jul 2024 17:11

Tgt Ion: 172 Resp: 919777
Ion Ratio Lower Upper
172 100
171 35.7 28.9 43.3
170 23.4 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.822 ng

RT: 9.898 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF138505.D

Acq: 10 Jul 2024 17:11

Instrument :

BNA_F

ClientSampleId :

240703079-01

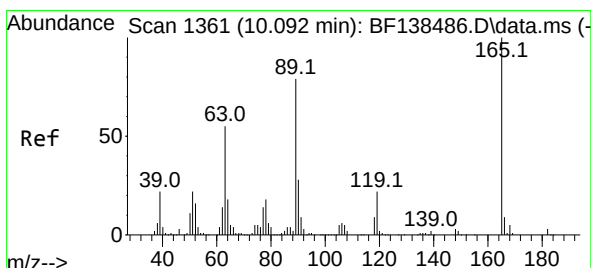
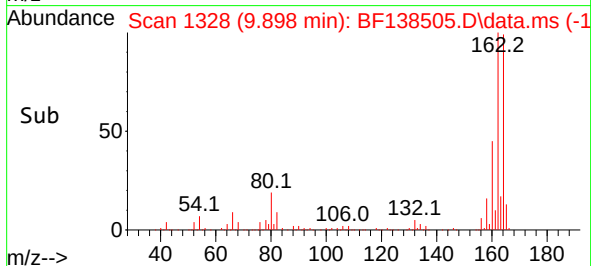
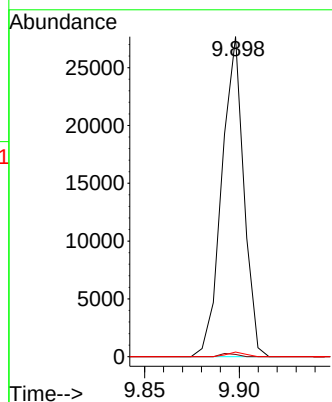
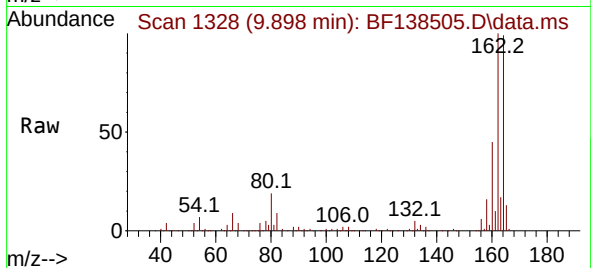
Tgt Ion:165 Resp: 22361

Ion Ratio Lower Upper

165 100

63 0.7 48.1 72.1#

89 1.5 43.0 64.6#



#57

2,4-Dinitrotoluene

Concen: 6.819 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.194 min

Lab File: BF138505.D

Acq: 10 Jul 2024 17:11

Tgt Ion:165 Resp: 22361

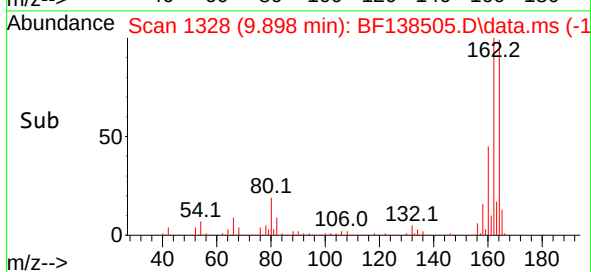
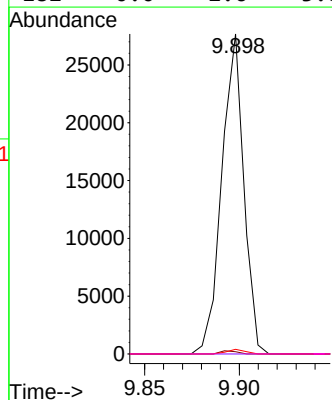
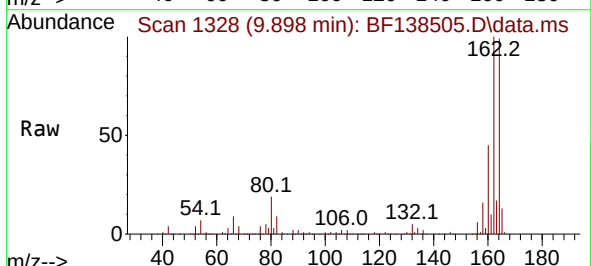
Ion Ratio Lower Upper

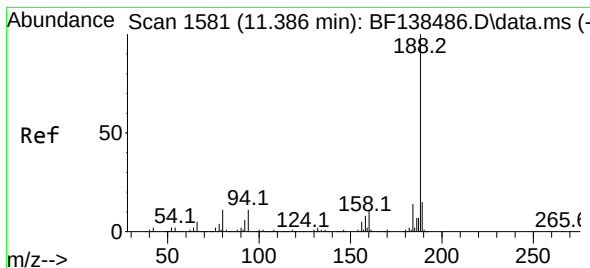
165 100

63 0.7 44.6 66.8#

89 1.5 63.4 95.2#

182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138505.D

Acq: 10 Jul 2024 17:11

Instrument :

BNA_F

ClientSampleId :

240703079-01

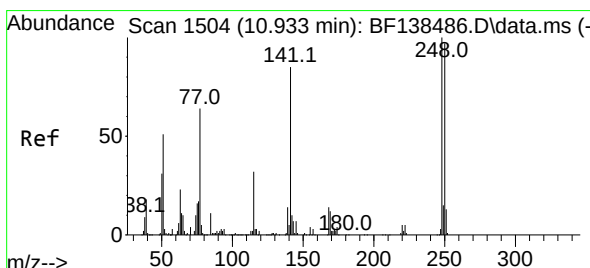
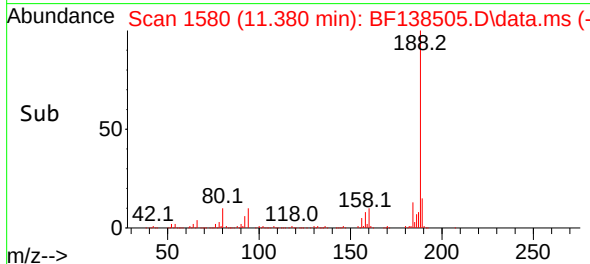
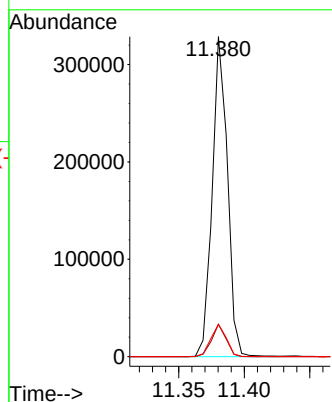
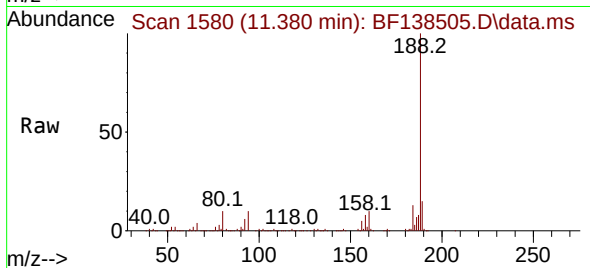
Tgt Ion:188 Resp: 265515

Ion Ratio Lower Upper

188 100

94 10.1 8.7 13.1

80 10.1 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.108 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF138505.D

Acq: 10 Jul 2024 17:11

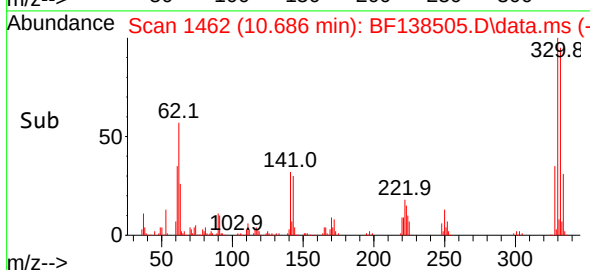
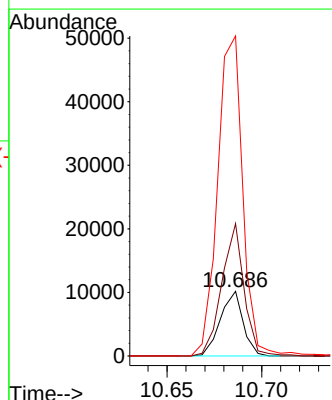
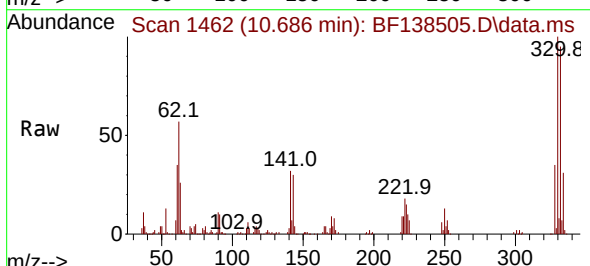
Tgt Ion:248 Resp: 8482

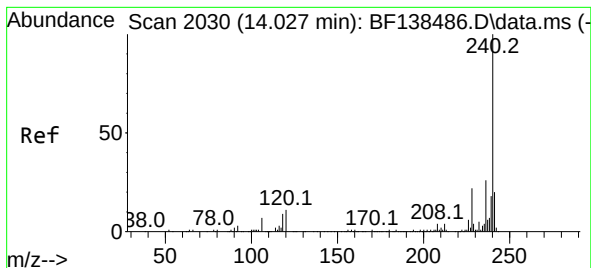
Ion Ratio Lower Upper

248 100

250 204.9 77.9 116.9#

141 495.4 67.7 101.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138505.D

Acq: 10 Jul 2024 17:11

Instrument :

BNA_F

ClientSampleId :

240703079-01

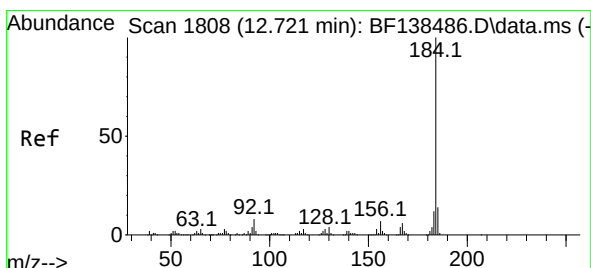
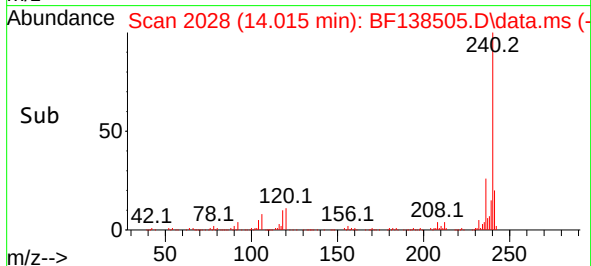
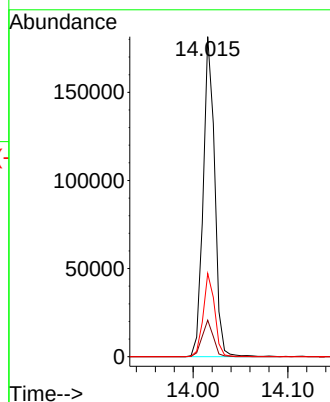
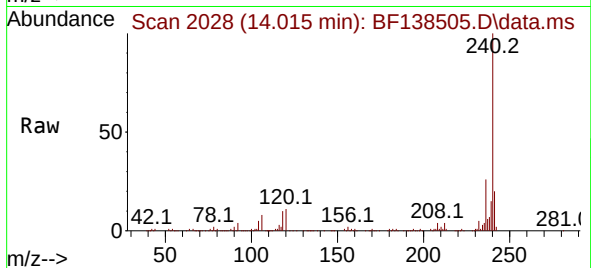
Tgt Ion:240 Resp: 153752

Ion Ratio Lower Upper

240 100

120 11.4 8.6 12.8

236 26.0 21.0 31.6



#77

Benzidine

Concen: 2.966 ng

RT: 12.968 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF138505.D

Acq: 10 Jul 2024 17:11

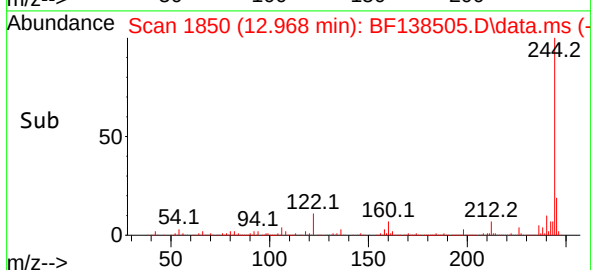
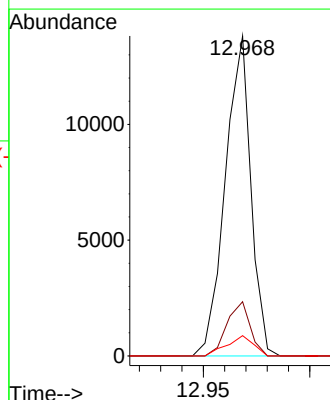
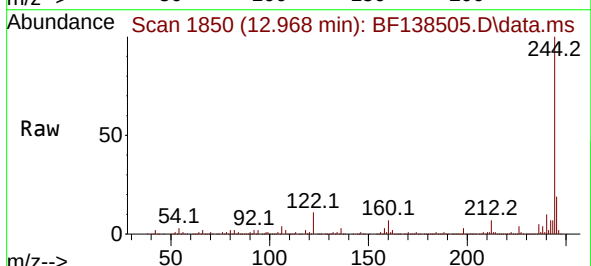
Tgt Ion:184 Resp: 11505

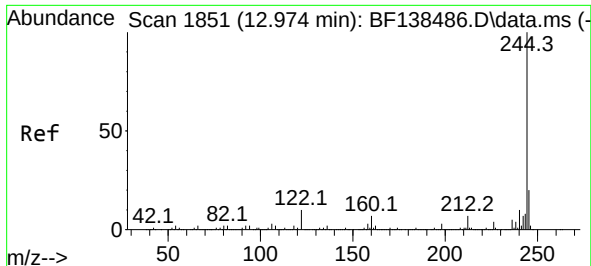
Ion Ratio Lower Upper

184 100

185 16.9 11.3 16.9#

183 6.4 9.5 14.3#

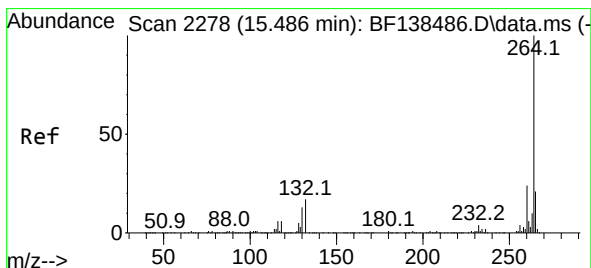
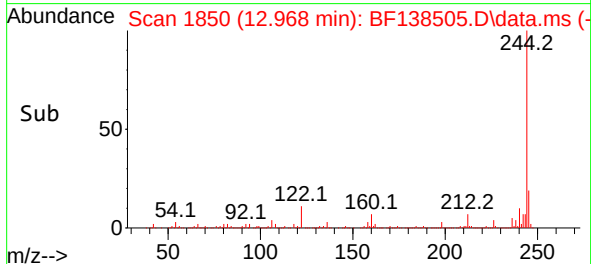
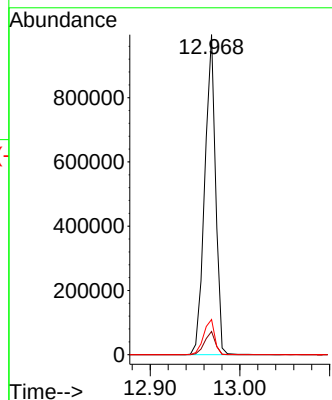
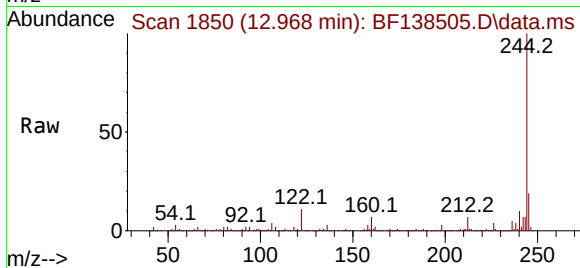




#79
 Terphenyl-d14
 Concen: 88.294 ng
 RT: 12.968 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF138505.D
 Acq: 10 Jul 2024 17:11

Instrument :
 BNA_F
 ClientSampleId :
 240703079-01

Tgt Ion:244 Resp: 833298
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 11.0 7.8 11.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.480 min Scan# 2277
 Delta R.T. -0.006 min
 Lab File: BF138505.D
 Acq: 10 Jul 2024 17:11

Tgt Ion:264 Resp: 162897
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 21.9 17.0 25.4

