

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142085.D
 Acq On : 25 Mar 2025 18:38
 Operator : RC/JU
 Sample : Q1627-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-LINE-1.2-NORTH

Quant Time: Mar 25 21:49:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

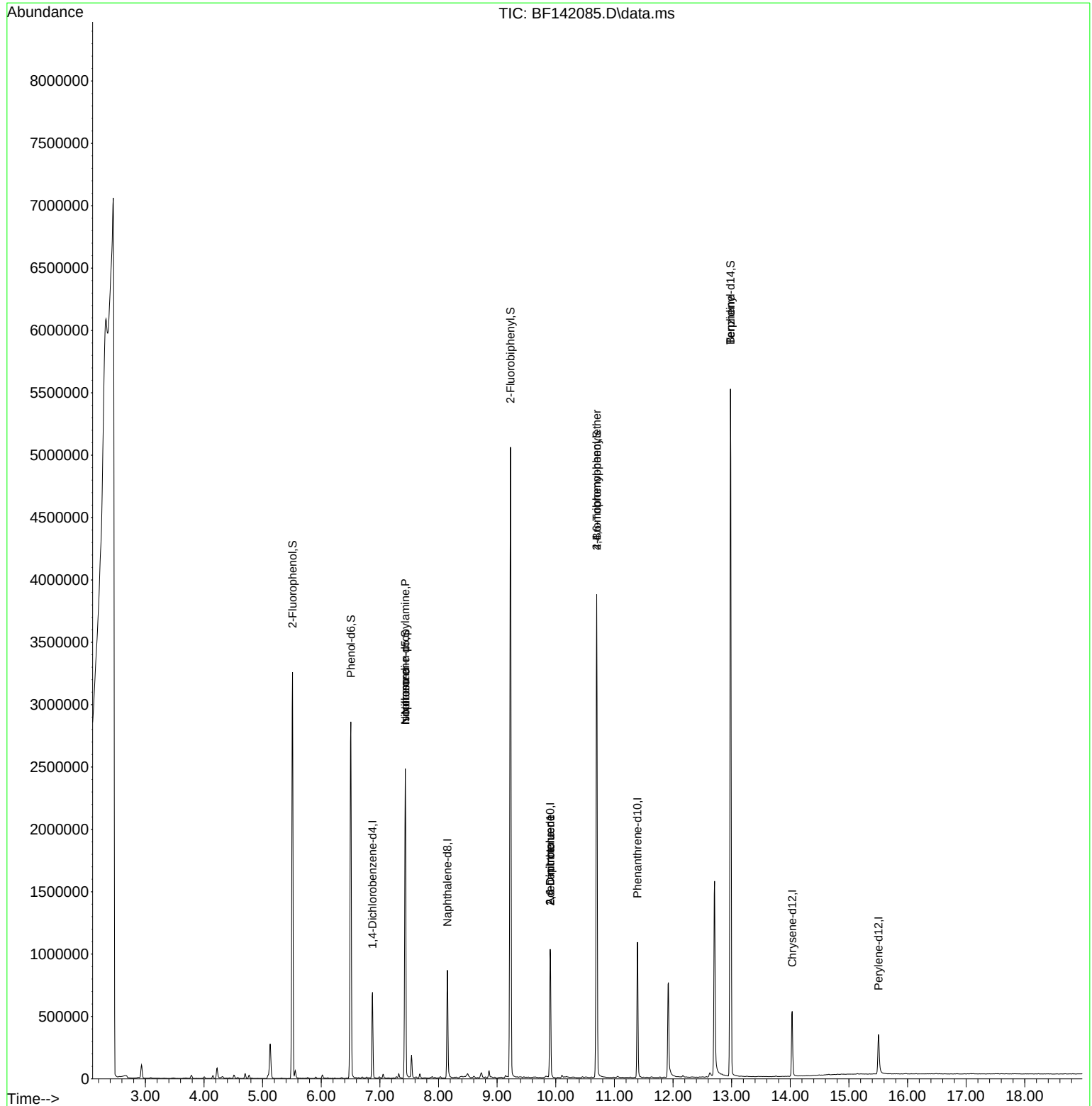
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	148330	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	577748	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	328541	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	561994	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	279994	20.000	ng	0.00
86) Perylene-d12	15.504	264	235115	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1344717	151.303	ng	0.02
7) Phenol-d6	6.504	99	1543055	136.362	ng	0.00
23) Nitrobenzene-d5	7.434	82	1181256	115.061	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	817582	196.158	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2454080	113.599	ng	-0.01
79) Terphenyl-d14	12.980	244	2890762	152.641	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	168095	23.118	ng	# 77
25) Isophorone	7.434	82	1164802	64.186	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	43315	9.042	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	43316	6.923	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	49729	7.046	ng	# 1
77) Benzidine	12.980	184	39555	10.126	ng	# 91

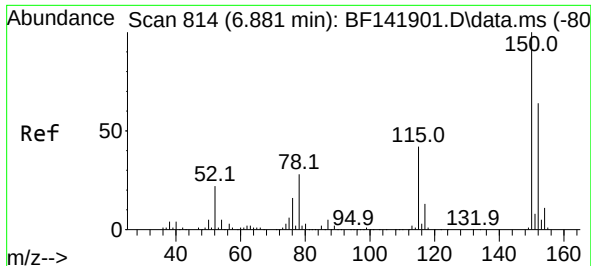
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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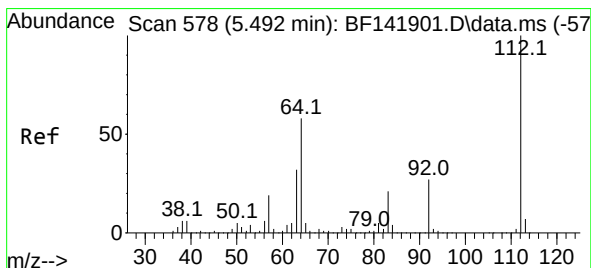
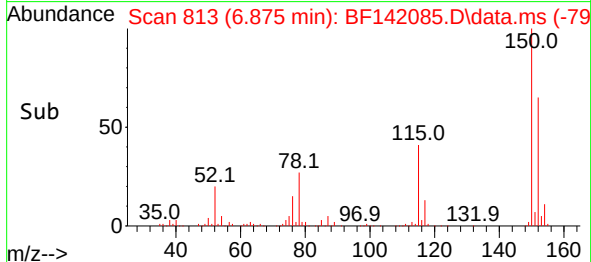
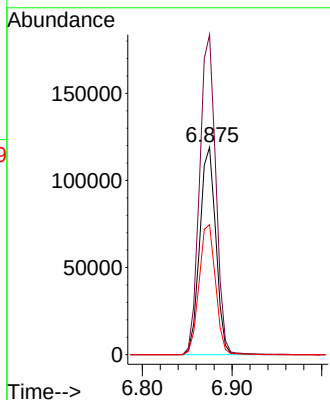
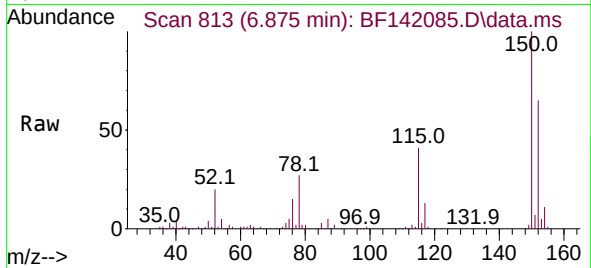




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

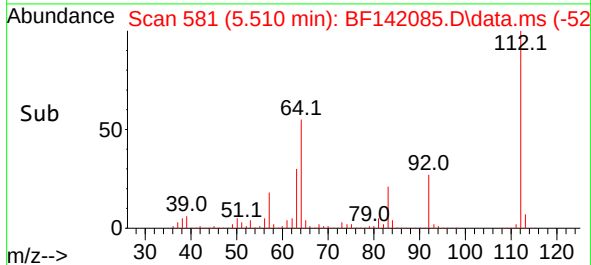
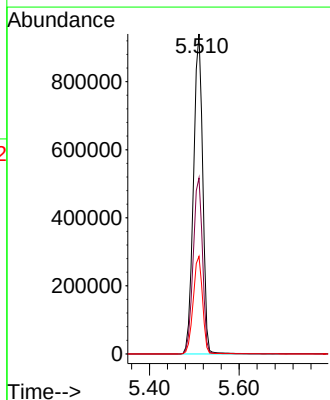
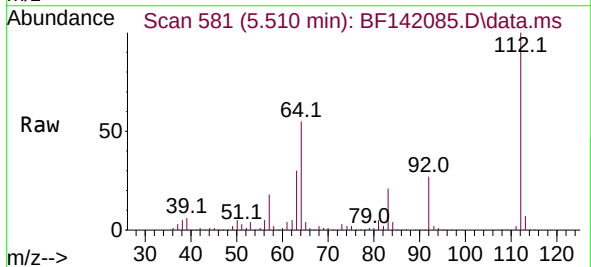
Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTH

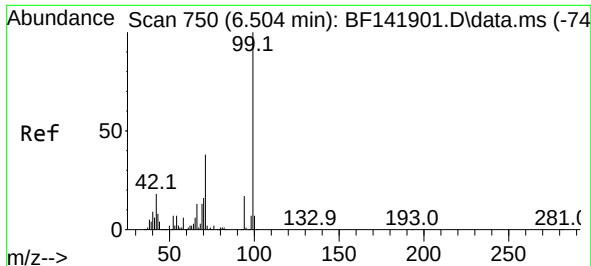
Tgt Ion:152 Resp: 148330
Ion Ratio Lower Upper
152 100
150 154.2 127.4 191.2
115 62.7 51.9 77.9



#5
2-Fluorophenol
Concen: 151.303 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

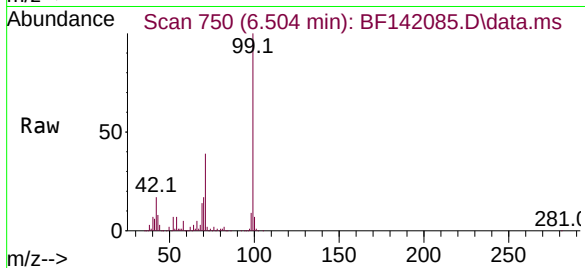
Tgt Ion:112 Resp: 1344717
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 30.5 25.4 38.2





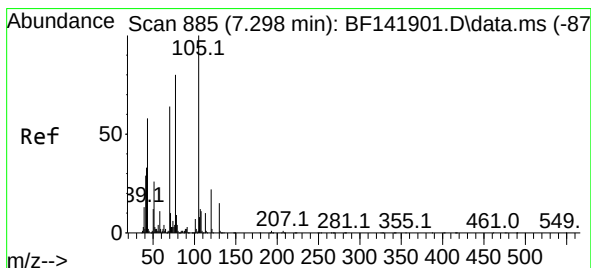
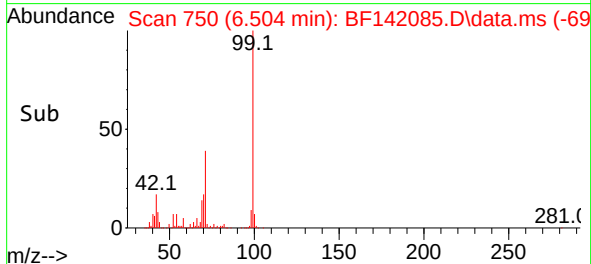
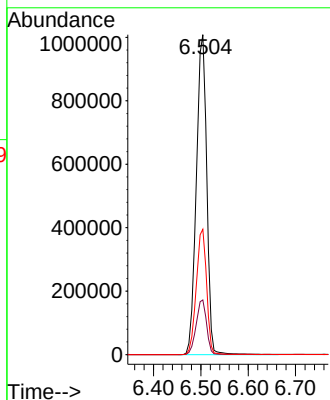
#7
Phenol-d6
Concen: 136.362 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTH



Tgt Ion: 99 Resp: 1543055

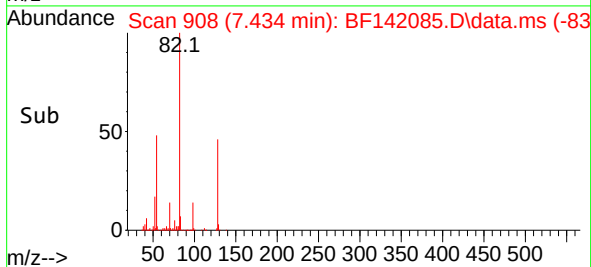
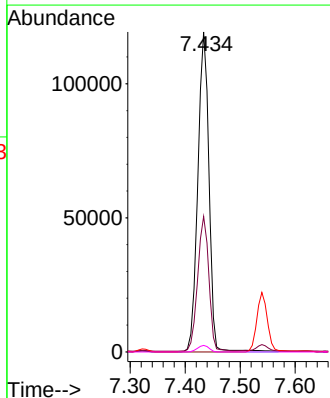
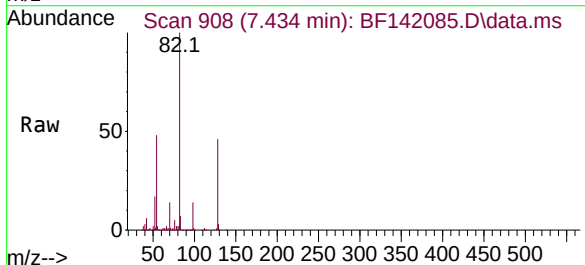
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	39.2	30.8	46.2

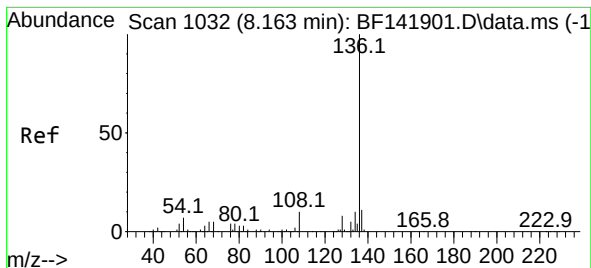


#19
n-Nitroso-di-n-propylamine
Concen: 23.118 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

Tgt Ion: 70 Resp: 168095

Ion	Ratio	Lower	Upper
70	100		
42	42.3	41.4	62.0
101	0.0	8.2	12.2#
130	2.0	18.2	27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF142085.D

Acq: 25 Mar 2025 18:38

Instrument :

BNA_F

ClientSampleId :

GRID-LINE-1.2-NORTH

Tgt Ion:136 Resp: 577748

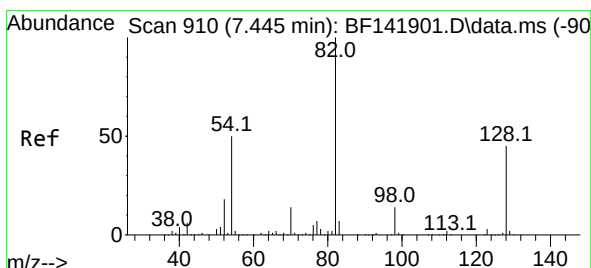
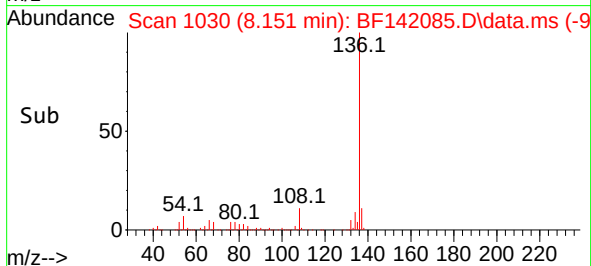
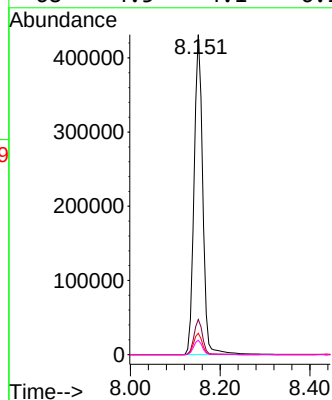
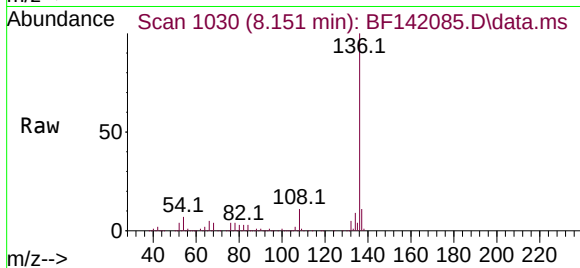
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.7 5.8 8.8

68 4.5 4.1 6.1



#23

Nitrobenzene-d5

Concen: 115.061 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142085.D

Acq: 25 Mar 2025 18:38

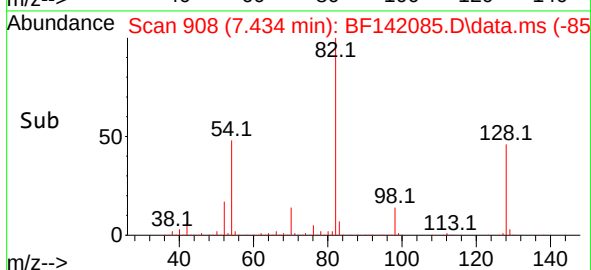
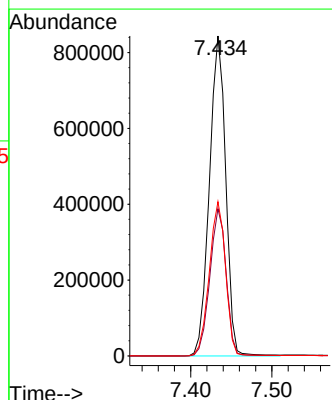
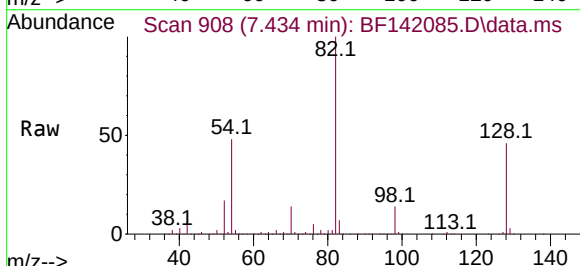
Tgt Ion: 82 Resp: 1181256

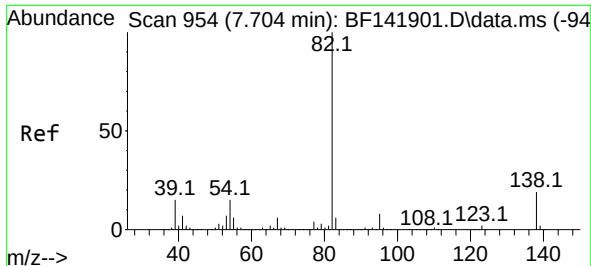
Ion Ratio Lower Upper

82 100

128 46.0 36.0 54.0

54 48.2 39.6 59.4

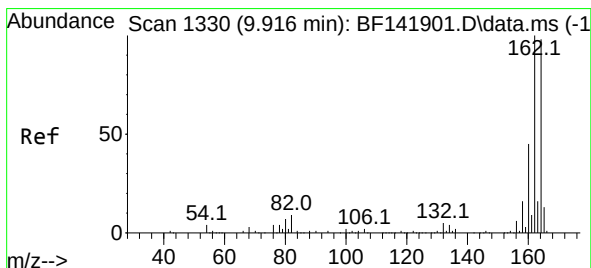
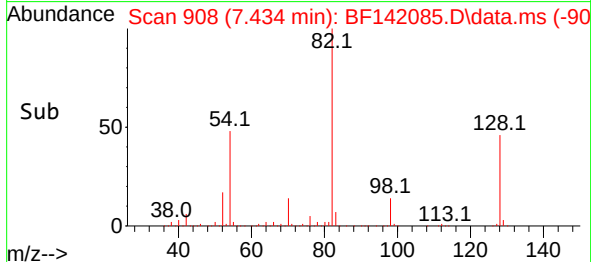
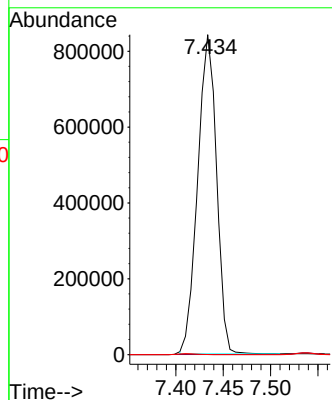
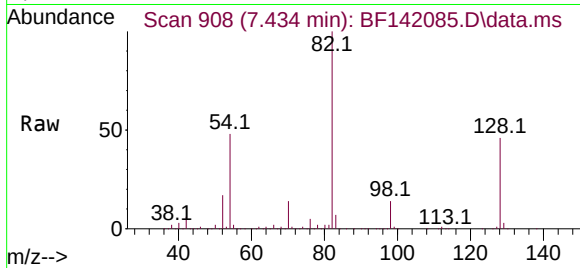




#25
Isophorone
Concen: 64.186 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

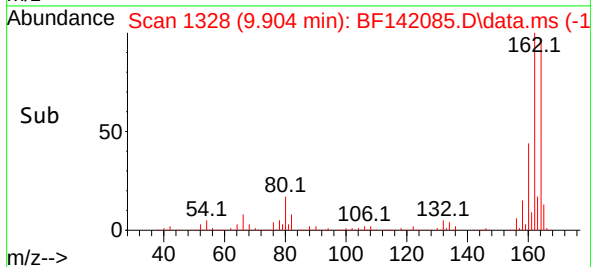
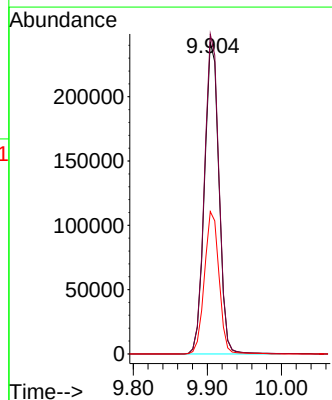
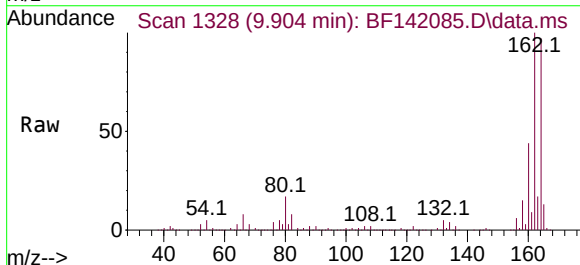
Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTH

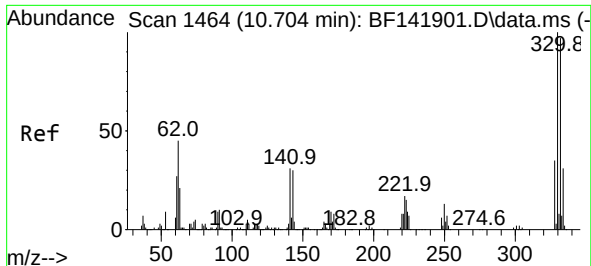
Tgt Ion: 82 Resp: 1164802
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

Tgt Ion:164 Resp: 328541
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 45.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 196.158 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142085.D

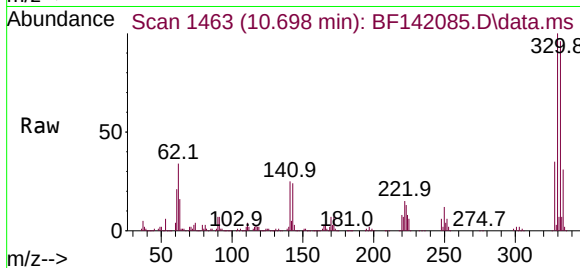
Acq: 25 Mar 2025 18:38

Instrument :

BNA_F

ClientSampleId :

GRID-LINE-1.2-NORTH



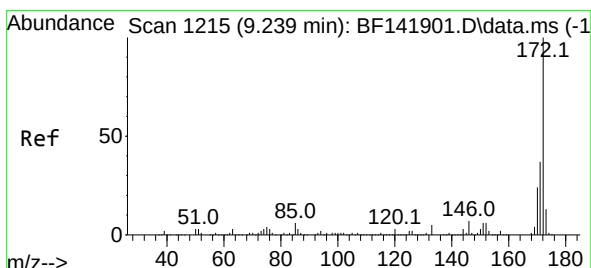
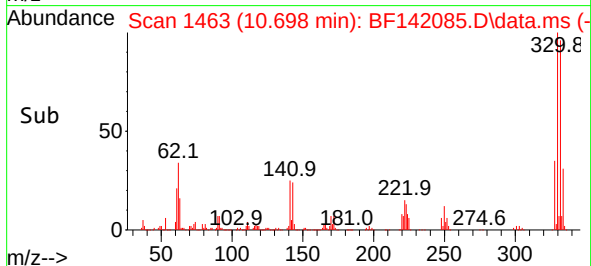
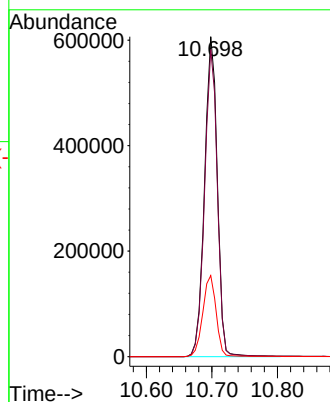
Tgt Ion:330 Resp: 817582

Ion Ratio Lower Upper

330 100

332 96.0 77.6 116.4

141 26.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 113.599 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142085.D

Acq: 25 Mar 2025 18:38

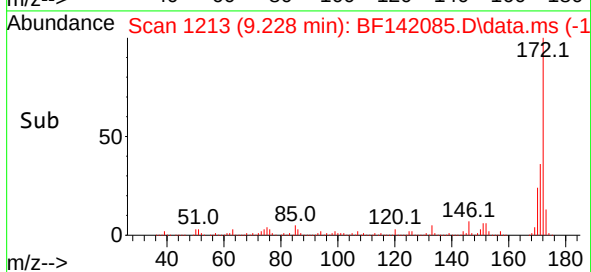
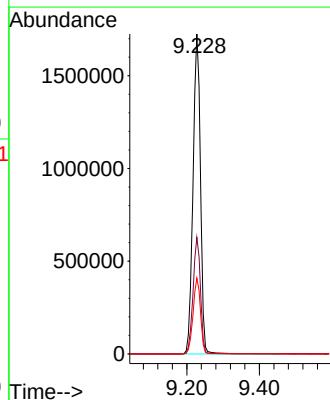
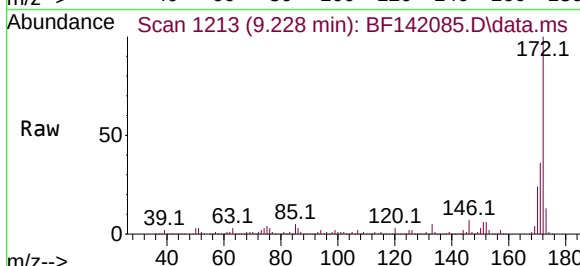
Tgt Ion:172 Resp: 2454080

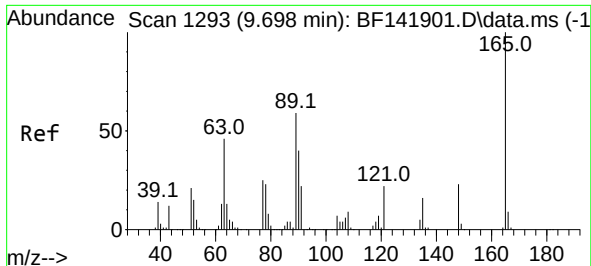
Ion Ratio Lower Upper

172 100

171 36.4 29.3 43.9

170 23.7 19.4 29.0

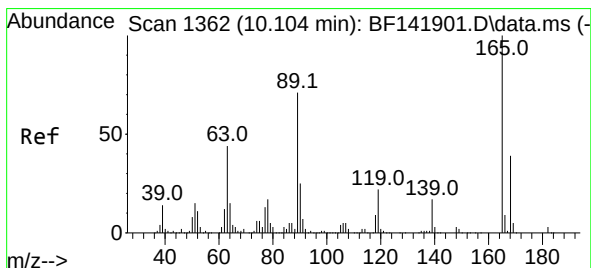
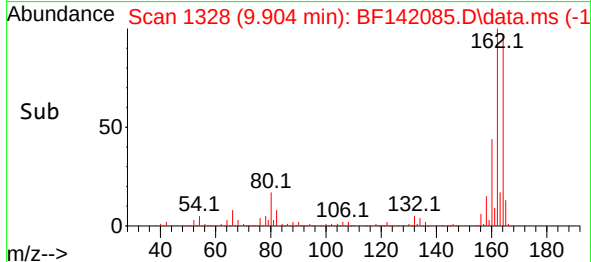
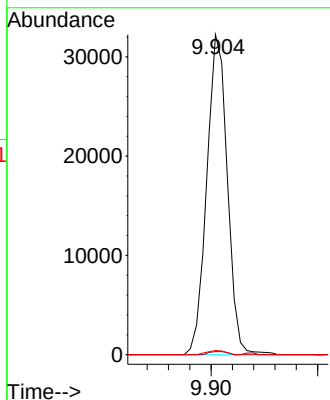
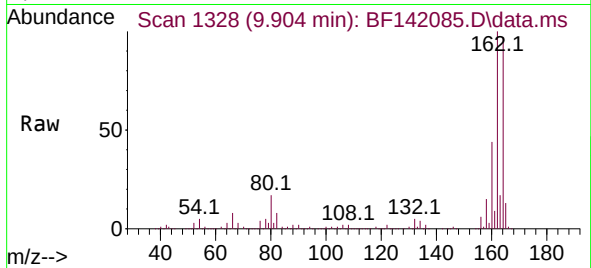




#51
2,6-Dinitrotoluene
Concen: 9.042 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

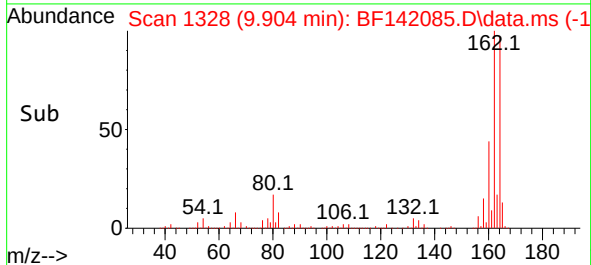
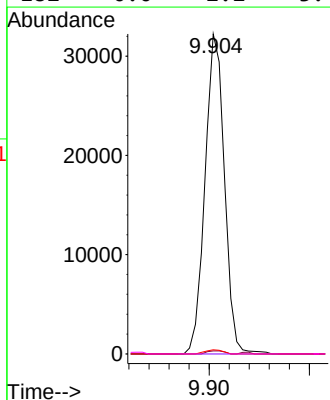
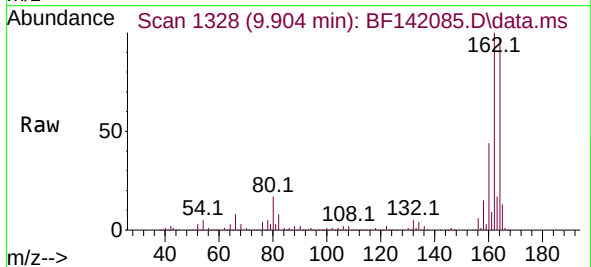
Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTH

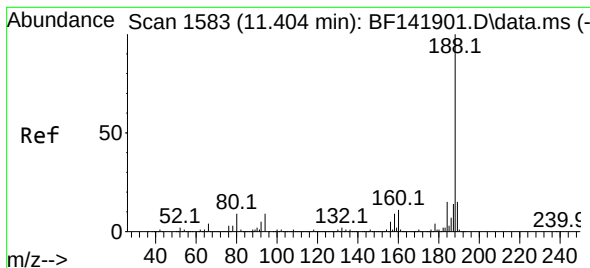
Tgt Ion:165 Resp: 43315
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.923 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

Tgt Ion:165 Resp: 43316
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142085.D

Acq: 25 Mar 2025 18:38

Instrument :

BNA_F

ClientSampleId :

GRID-LINE-1.2-NORTH

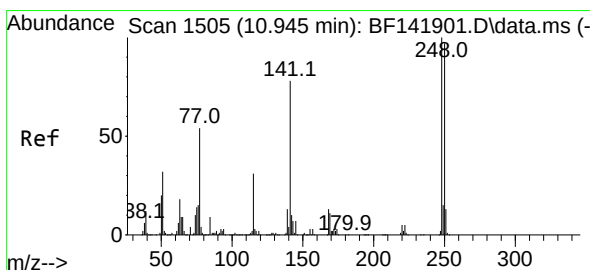
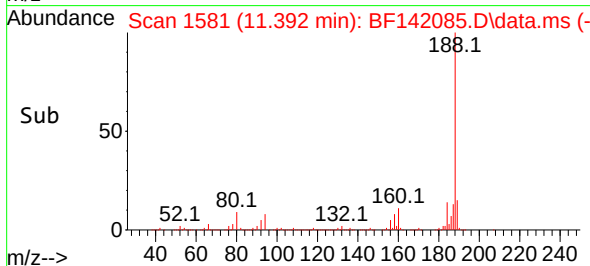
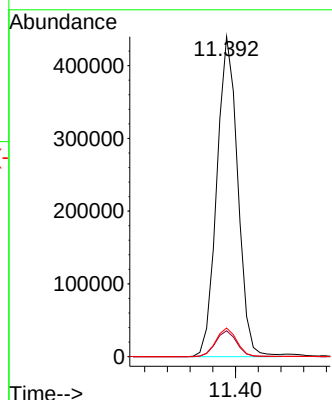
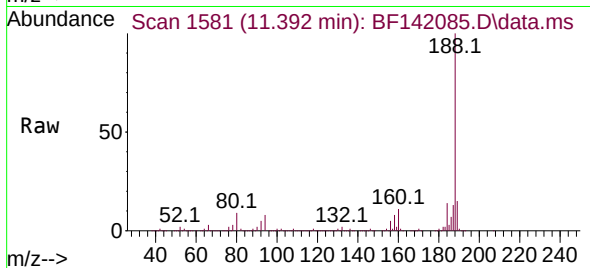
Tgt Ion:188 Resp: 561994

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.9 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 7.046 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142085.D

Acq: 25 Mar 2025 18:38

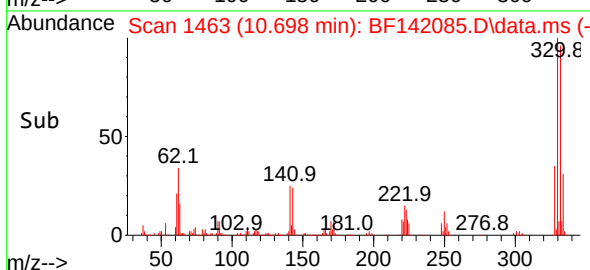
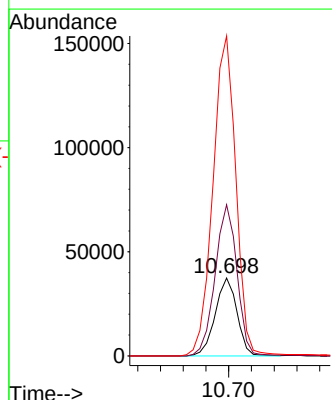
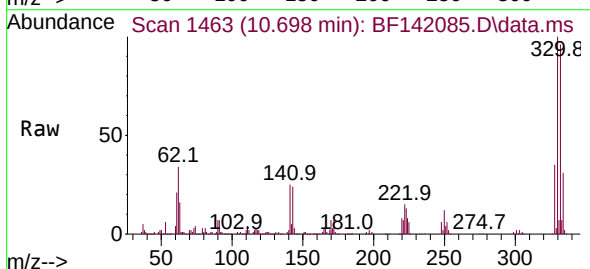
Tgt Ion:248 Resp: 49729

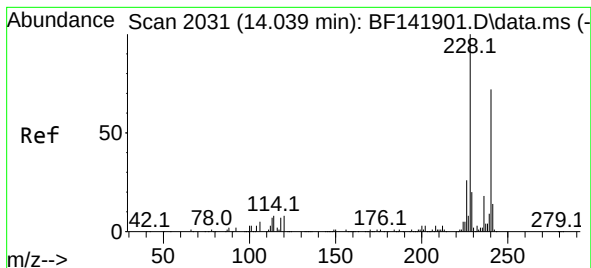
Ion Ratio Lower Upper

248 100

250 194.2 77.8 116.8#

141 411.1 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142085.D

Acq: 25 Mar 2025 18:38

Instrument :

BNA_F

ClientSampleId :

GRID-LINE-1.2-NORTH

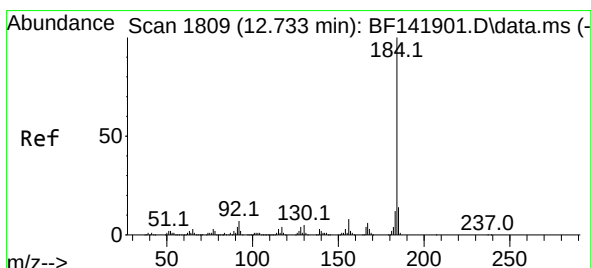
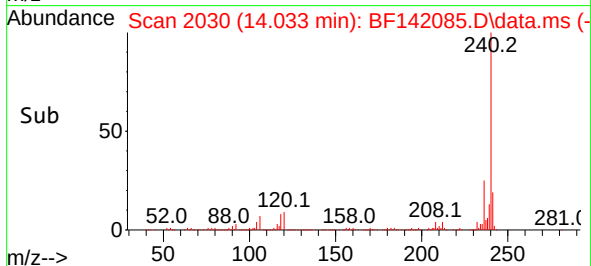
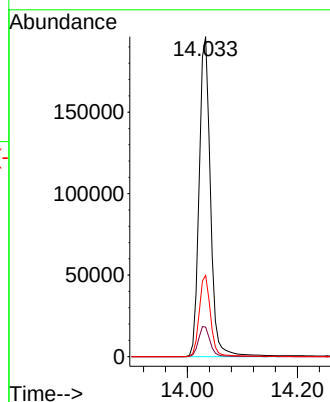
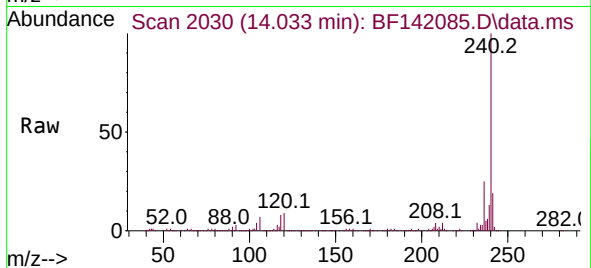
Tgt Ion:240 Resp: 279994

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.4 20.5 30.7



#77

Benzidine

Concen: 10.126 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142085.D

Acq: 25 Mar 2025 18:38

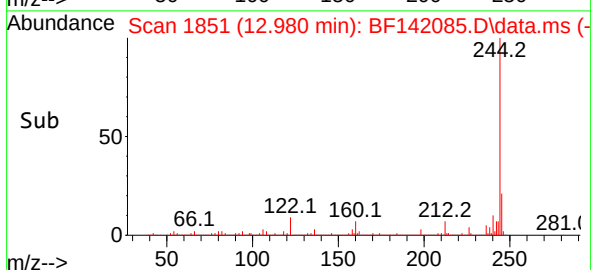
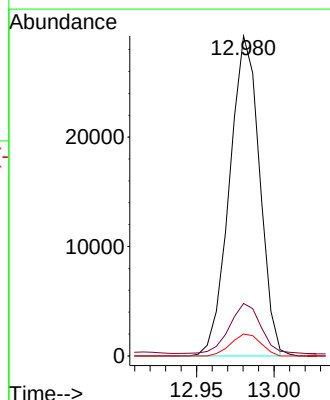
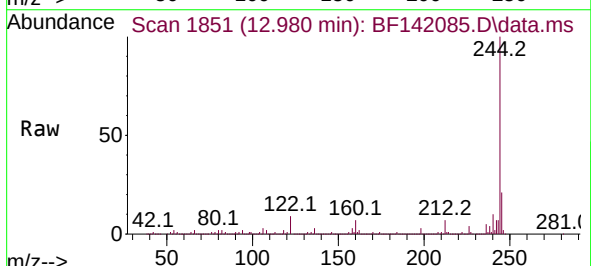
Tgt Ion:184 Resp: 39555

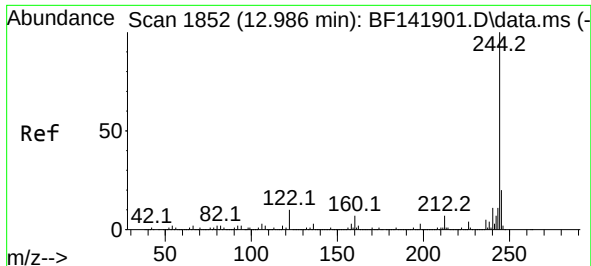
Ion Ratio Lower Upper

184 100

185 16.4 11.5 17.3

183 6.8 9.7 14.5#

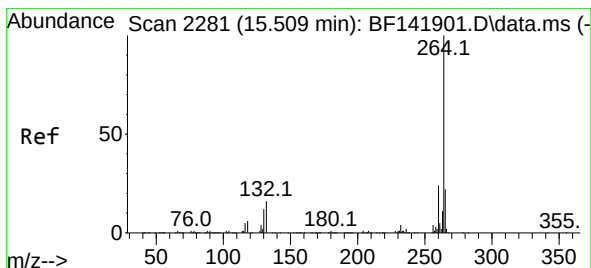
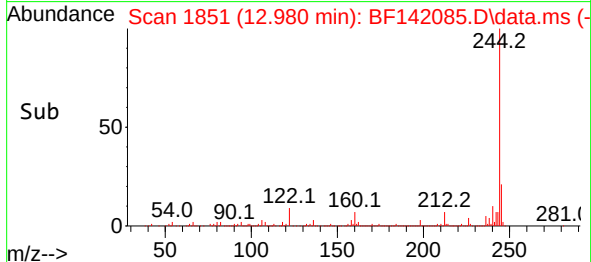
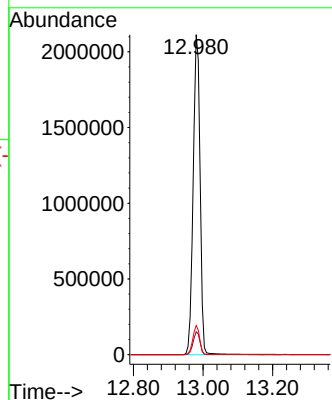
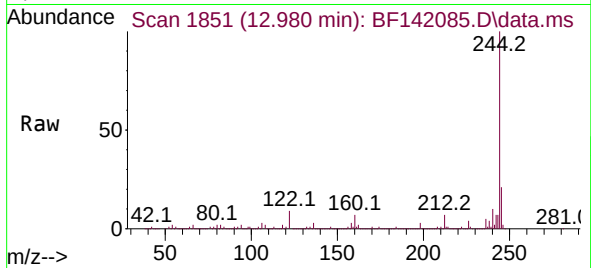




#79
Terphenyl-d14
Concen: 152.641 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTH

Tgt Ion:244 Resp: 2890762
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.1 7.7 11.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF142085.D
Acq: 25 Mar 2025 18:38

Tgt Ion:264 Resp: 235115
Ion Ratio Lower Upper
264 100
260 23.0 19.1 28.7
265 21.5 17.5 26.3

