

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142081.D
 Acq On : 25 Mar 2025 16:41
 Operator : RC/JU
 Sample : Q1619-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 25 17:12:31 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)

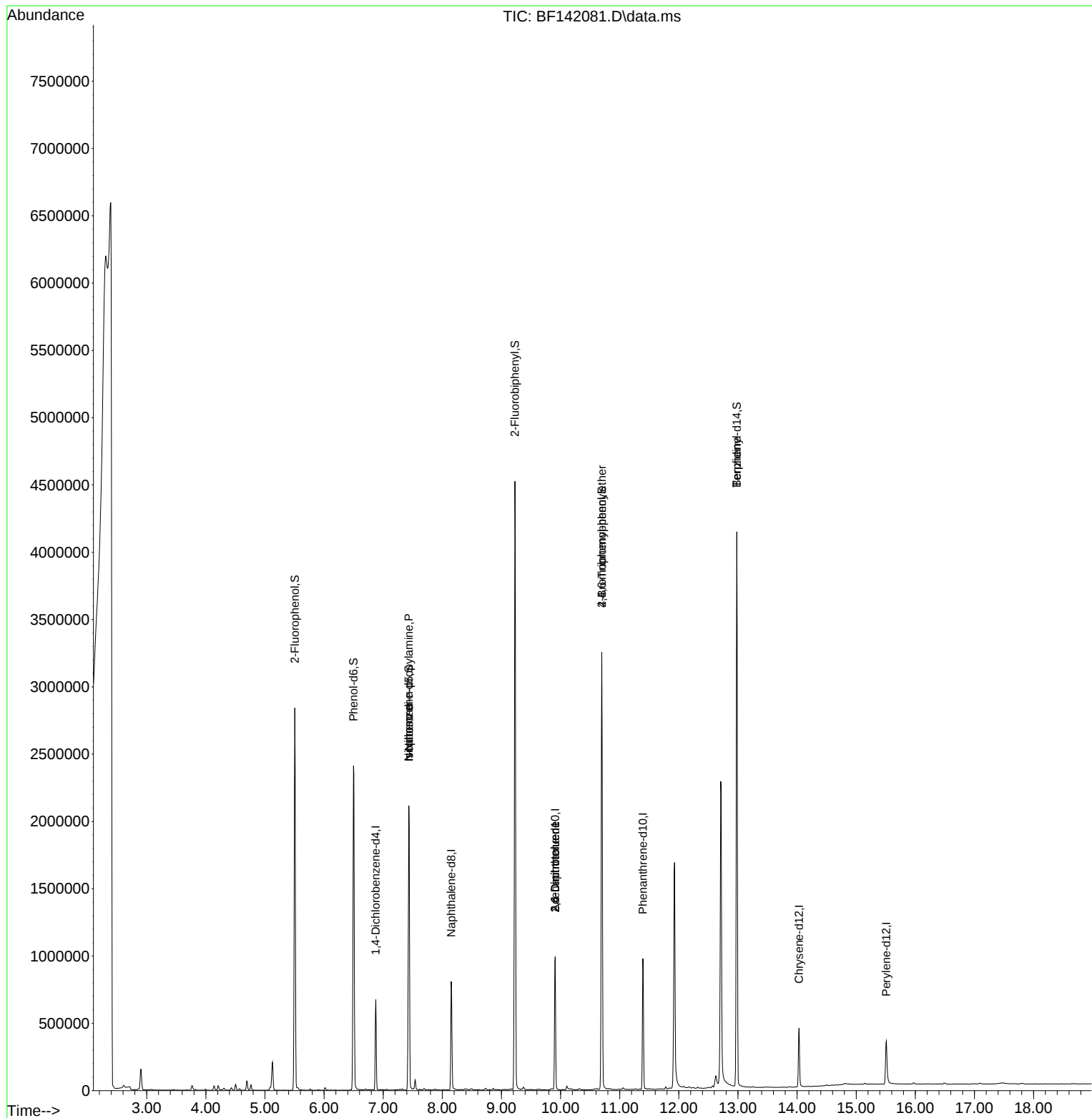
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	139270	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	542860	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	307148	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	500486	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	234411	20.000	ng	0.00
86) Perylene-d12	15.509	264	235614	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1134864	135.998	ng	0.01
7) Phenol-d6	6.498	99	1260204	118.611	ng	0.00
23) Nitrobenzene-d5	7.434	82	1014159	105.133	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	643920	165.253	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	2063885	102.191	ng	-0.01
79) Terphenyl-d14	12.980	244	2101166	132.523	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	141368	20.707	ng	# 77
25) Isophorone	7.434	82	998791	58.575	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	40390	9.019	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	40390	6.905	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	39035	6.210	ng	# 1
77) Benzidine	12.980	184	29028	8.876	ng	# 89

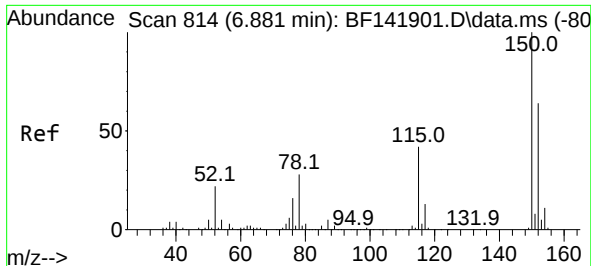
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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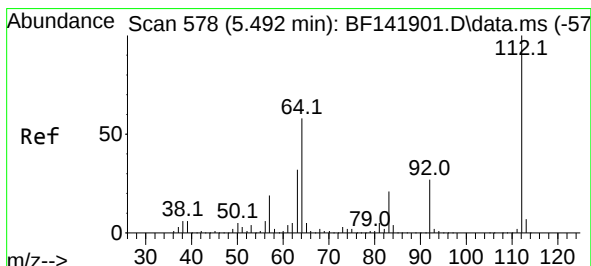
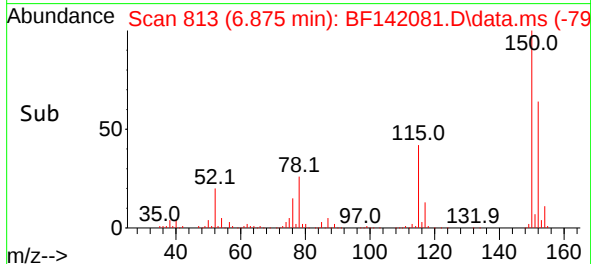
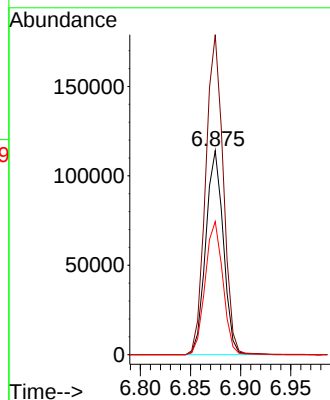
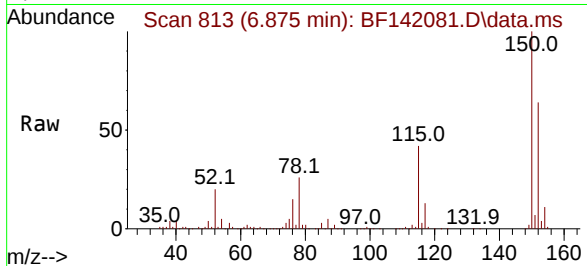




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

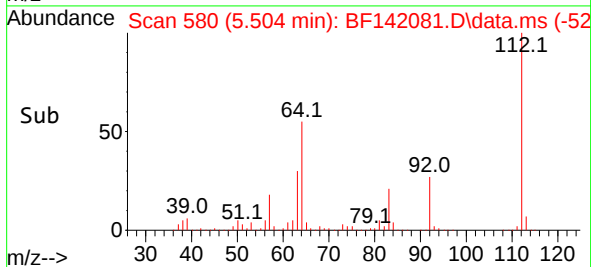
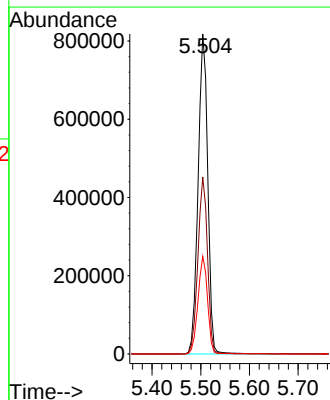
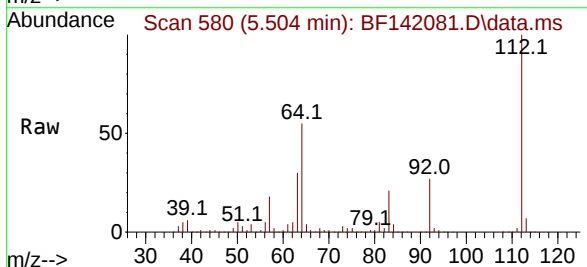
Instrument :
BNA_F
ClientSampleId :
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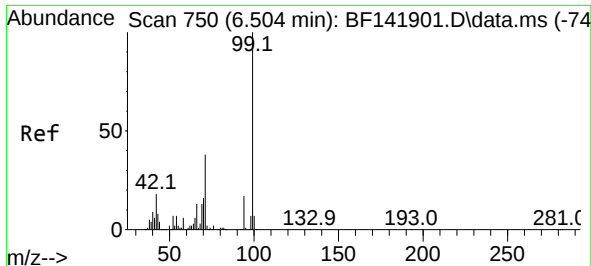
Tgt Ion:152 Resp: 139270
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.2
115 65.2 51.9 77.9



#5
2-Fluorophenol
Concen: 135.998 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

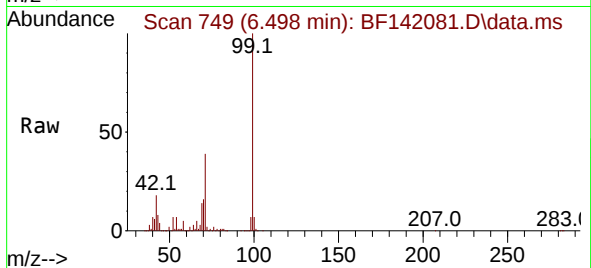
Tgt Ion:112 Resp: 1134864
Ion Ratio Lower Upper
112 100
64 55.3 46.5 69.7
63 30.5 25.4 38.2





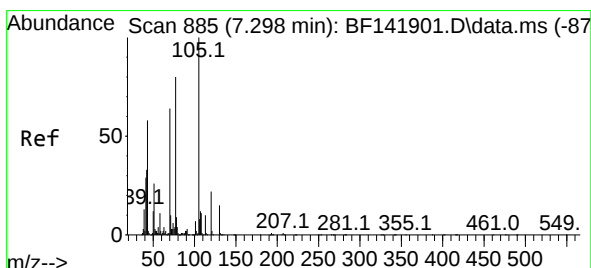
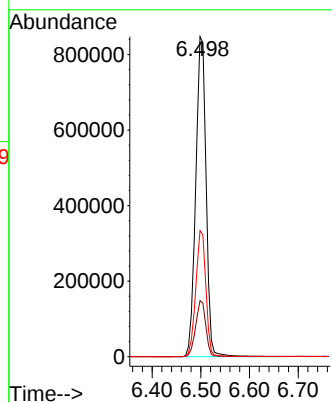
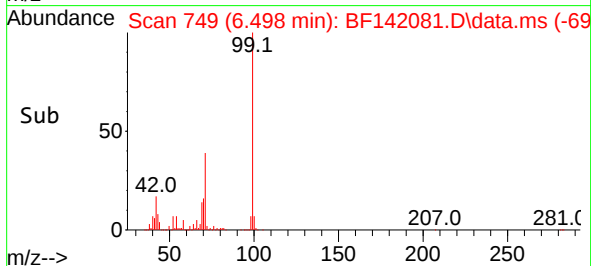
#7
Phenol-d6
Concen: 118.611 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

Instrument :
BNA_F
ClientSampleId :
TP-3

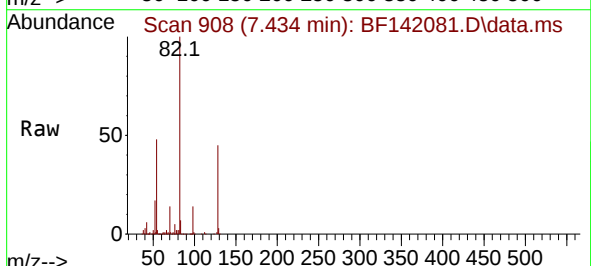


Tgt Ion: 99 Resp: 1260204

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	39.4	30.8	46.2

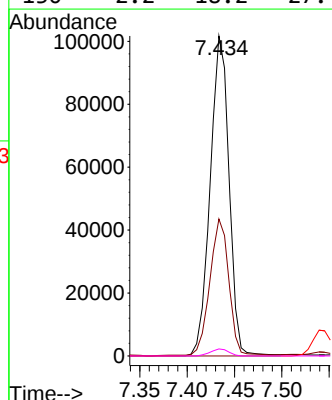
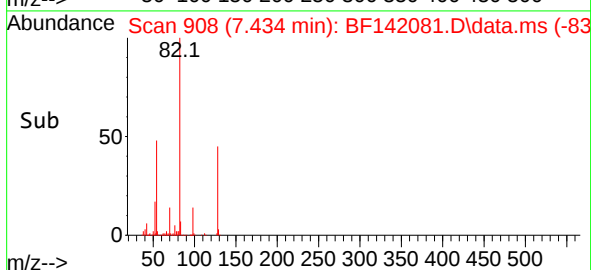


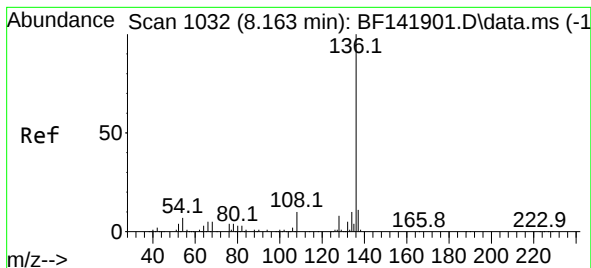
#19
n-Nitroso-di-n-propylamine
Concen: 20.707 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41



Tgt Ion: 70 Resp: 141368

Ion	Ratio	Lower	Upper
70	100		
42	42.8	41.4	62.0
101	0.0	8.2	12.2#
130	2.2	18.2	27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142081.D

Acq: 25 Mar 2025 16:41

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:136 Resp: 542860

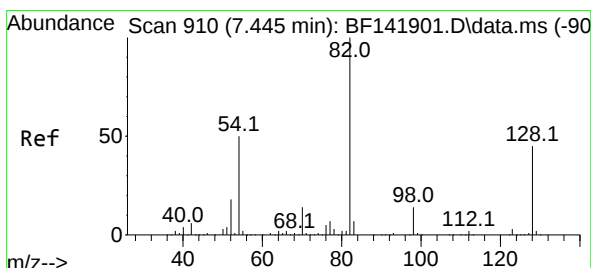
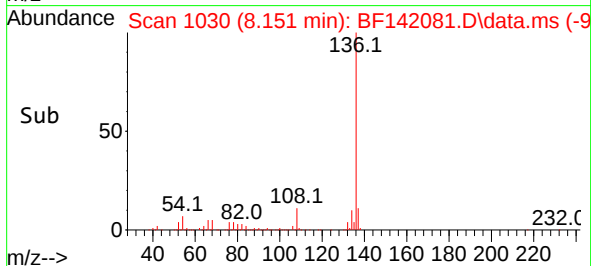
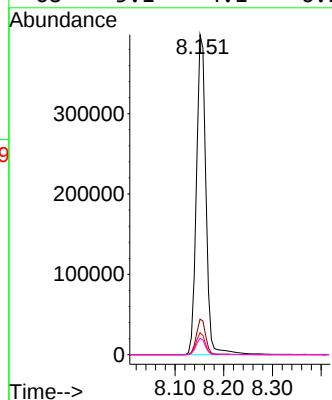
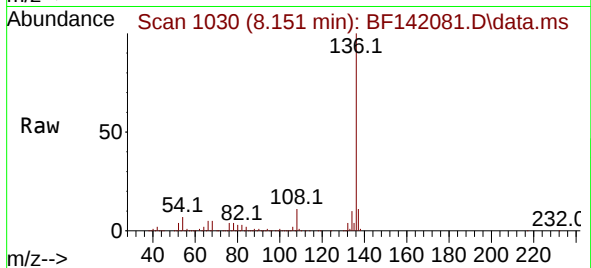
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 6.9 5.8 8.8

68 5.1 4.1 6.1



#23

Nitrobenzene-d5

Concen: 105.133 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142081.D

Acq: 25 Mar 2025 16:41

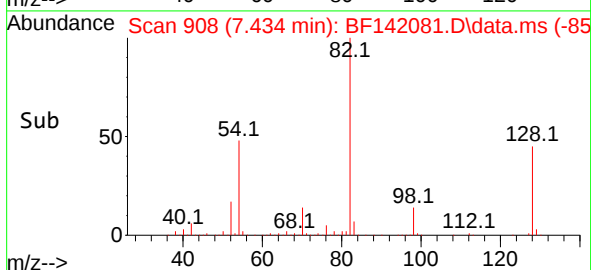
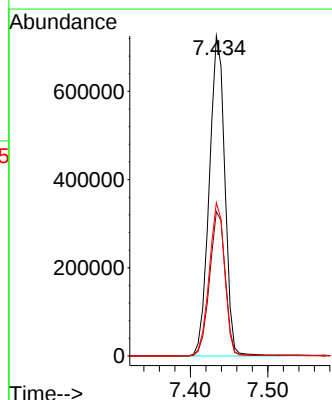
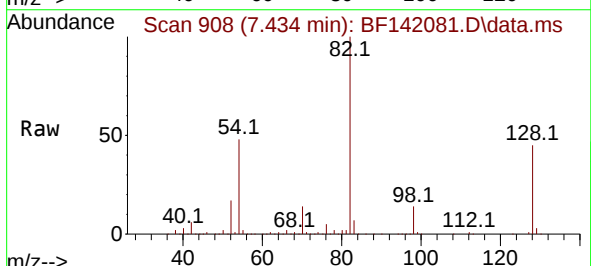
Tgt Ion: 82 Resp: 1014159

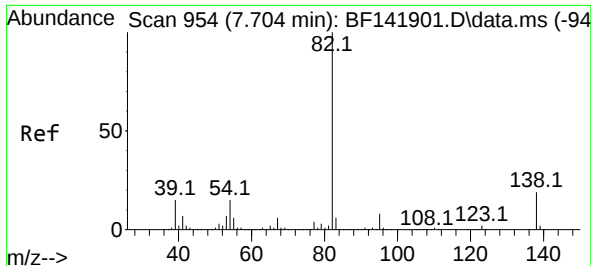
Ion Ratio Lower Upper

82 100

128 45.1 36.0 54.0

54 47.9 39.6 59.4

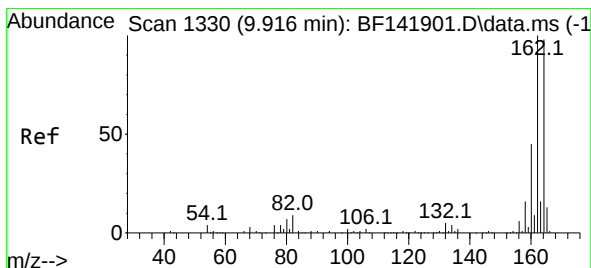
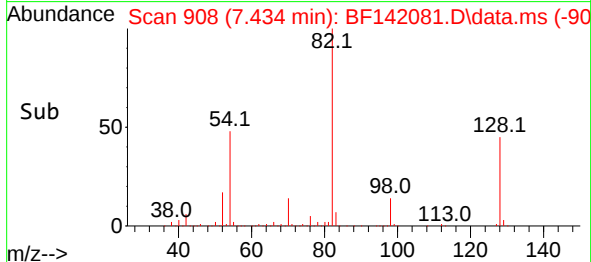
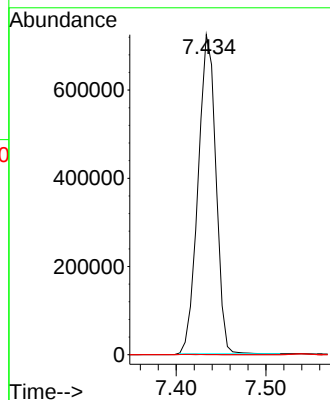
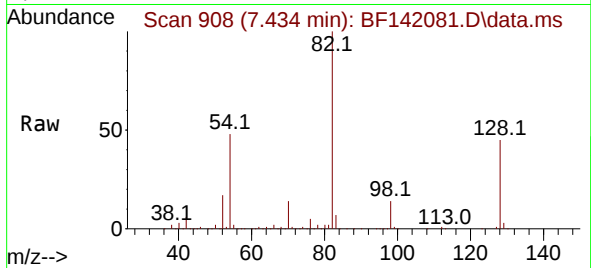




#25
Isophorone
Concen: 58.575 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

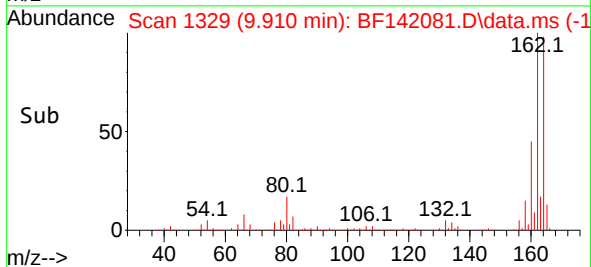
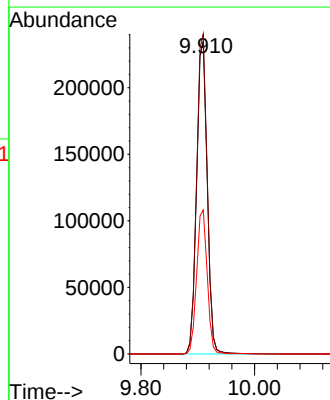
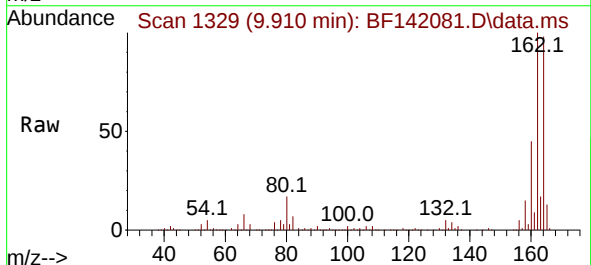
Instrument :
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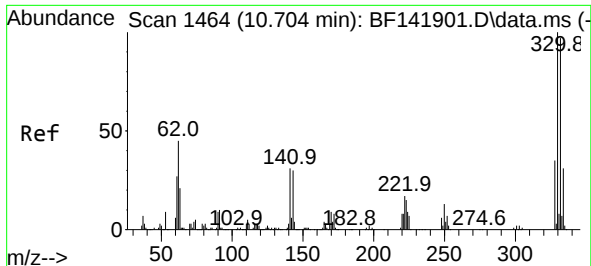
Tgt Ion: 82 Resp: 998791
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

Tgt Ion:164 Resp: 307148
Ion Ratio Lower Upper
164 100
162 102.4 81.8 122.6
160 46.1 36.7 55.1

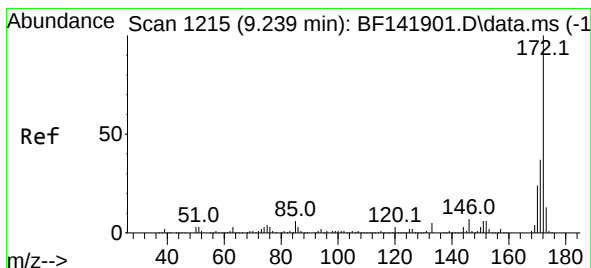
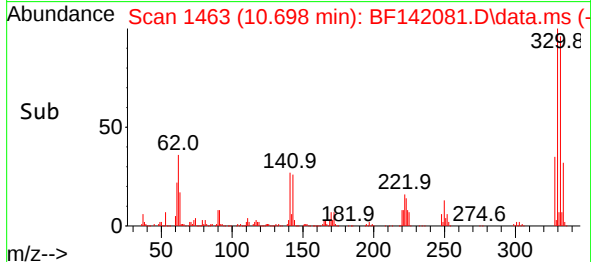
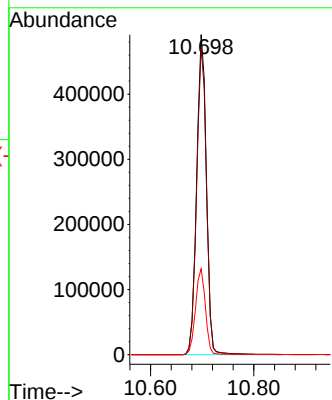
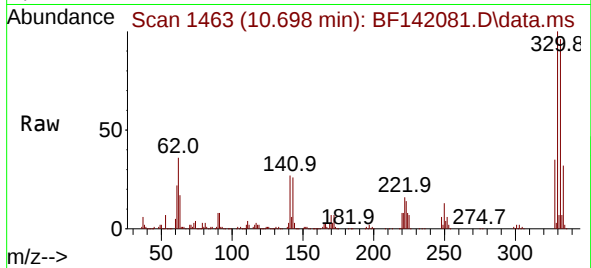




#42
 2,4,6-Tribromophenol
 Concen: 165.253 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142081.D
 Acq: 25 Mar 2025 16:41

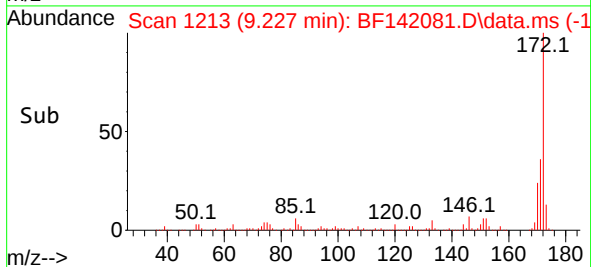
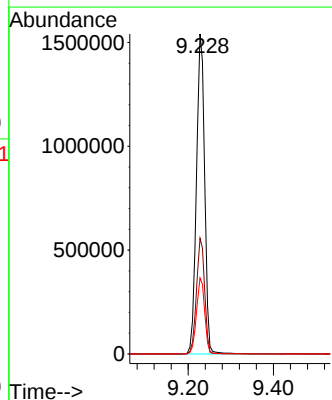
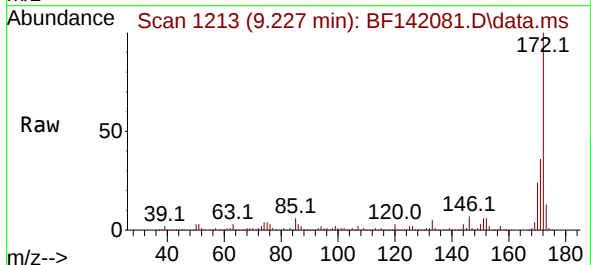
Instrument :
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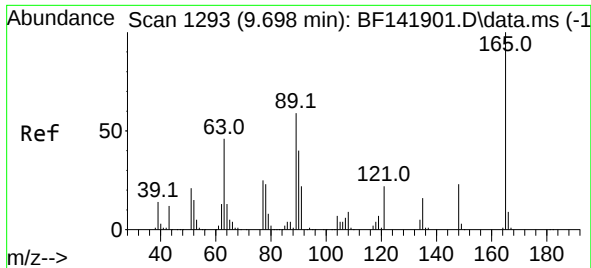
Tgt Ion:330 Resp: 643920
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.6 116.4
 141 27.5 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 102.191 ng
 RT: 9.227 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142081.D
 Acq: 25 Mar 2025 16:41

Tgt Ion:172 Resp: 2063885
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 23.7 19.4 29.0

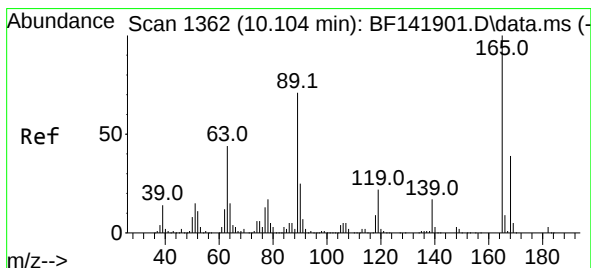
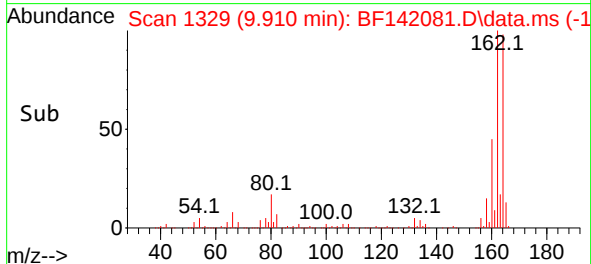
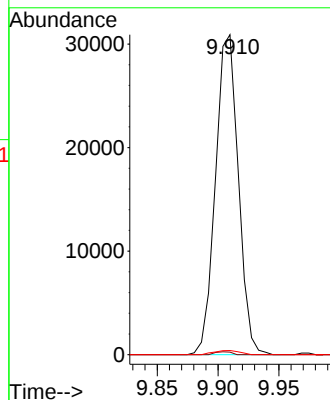
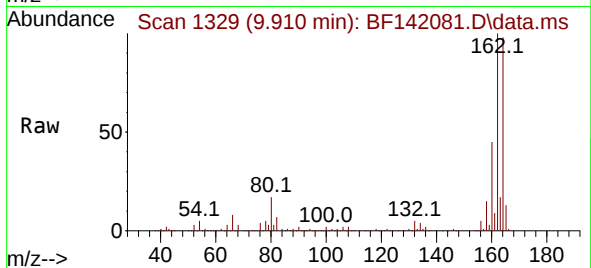




#51
2,6-Dinitrotoluene
Concen: 9.019 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

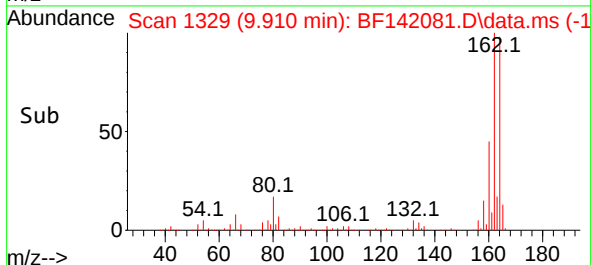
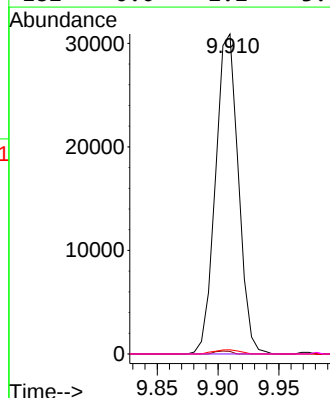
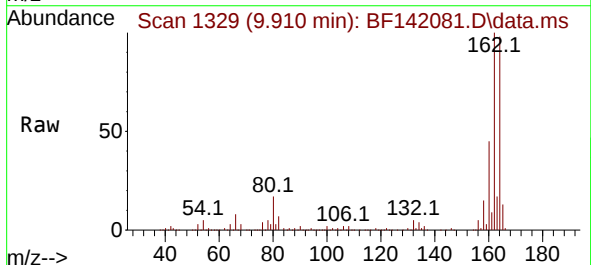
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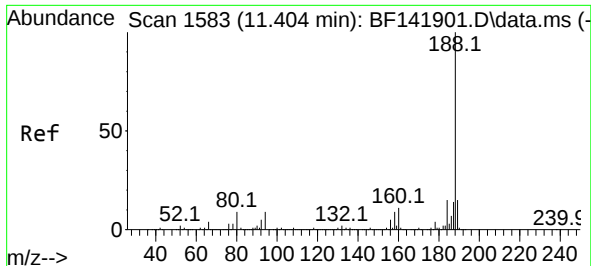
Tgt Ion:165 Resp: 40390
Ion Ratio Lower Upper
165 100
63 0.8 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.905 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

Tgt Ion:165 Resp: 40390
Ion Ratio Lower Upper
165 100
63 0.8 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#

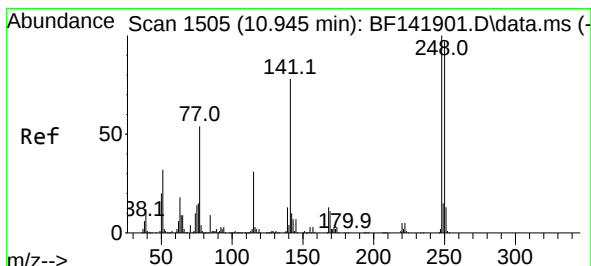
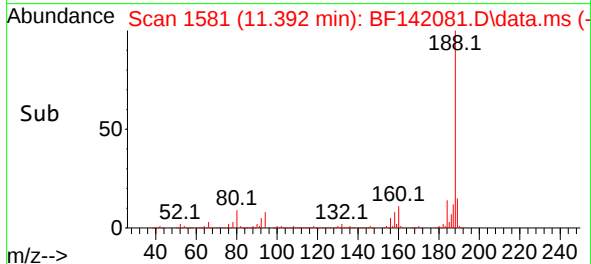
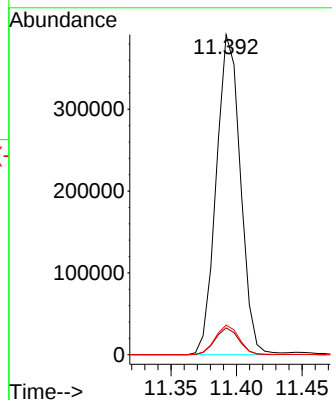
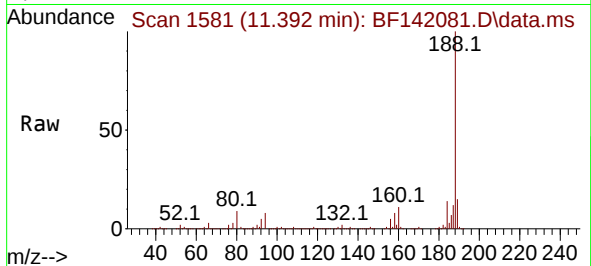




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

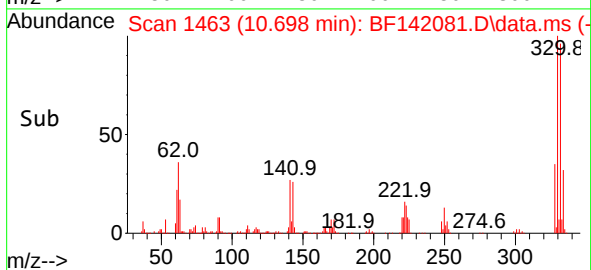
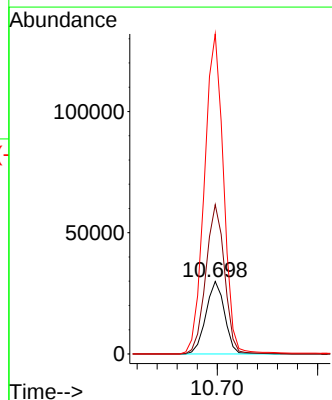
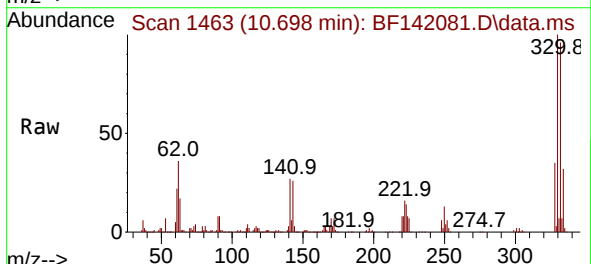
Instrument :
BNA_F
ClientSampleId :
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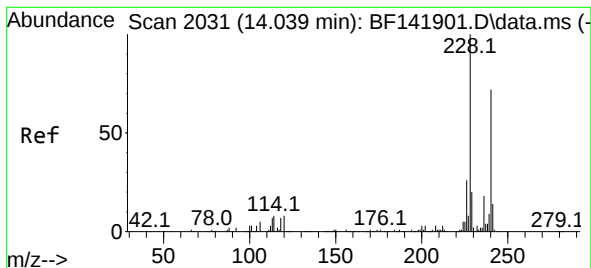
Tgt Ion:188 Resp: 500486
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.3 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 6.210 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142081.D
Acq: 25 Mar 2025 16:41

Tgt Ion:248 Resp: 39035
Ion Ratio Lower Upper
248 100
250 205.7 77.8 116.8#
141 441.0 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: BF142081.D

Acq: 25 Mar 2025 16:41

Instrument :

BNA_F

ClientSampleId :

TP-3

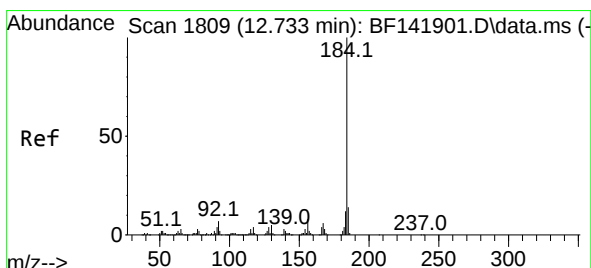
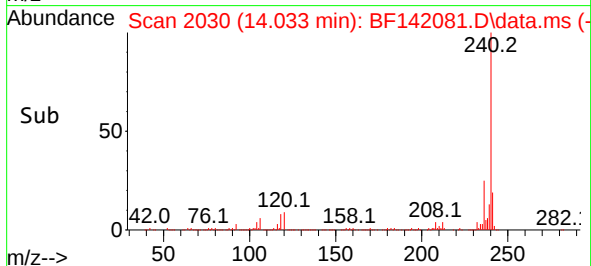
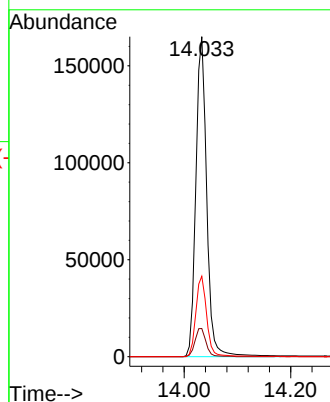
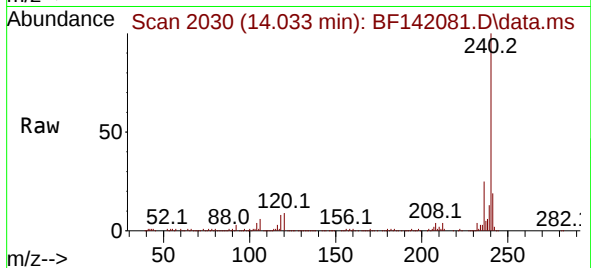
Tgt Ion:240 Resp: 234411

Ion Ratio Lower Upper

240 100

120 8.8 8.4 12.6

236 25.2 20.5 30.7



#77

Benzidine

Concen: 8.876 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142081.D

Acq: 25 Mar 2025 16:41

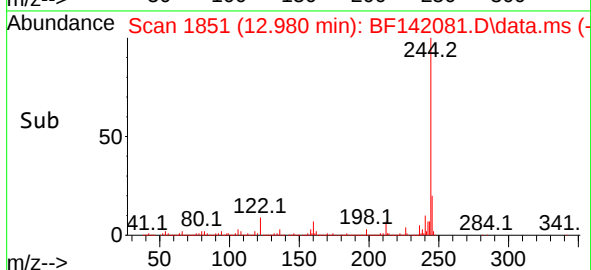
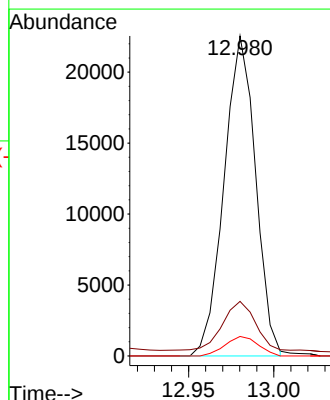
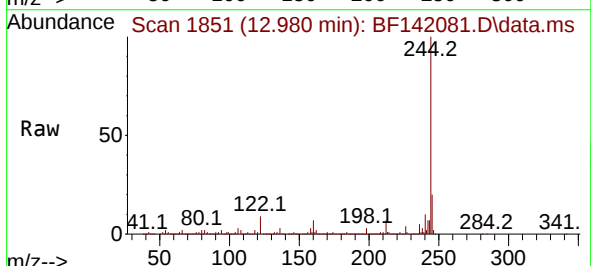
Tgt Ion:184 Resp: 29028

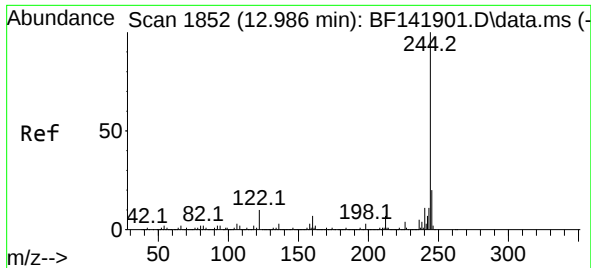
Ion Ratio Lower Upper

184 100

185 17.0 11.5 17.3

183 6.1 9.7 14.5#

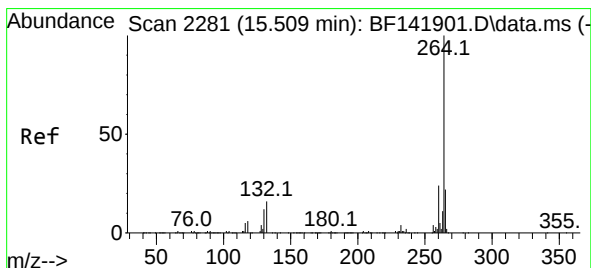
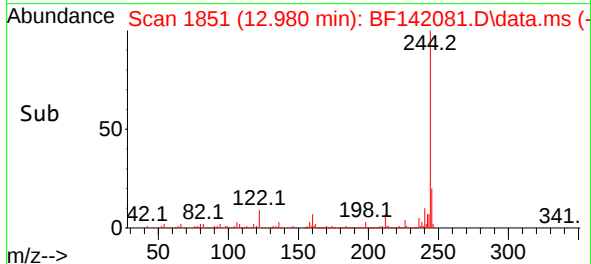
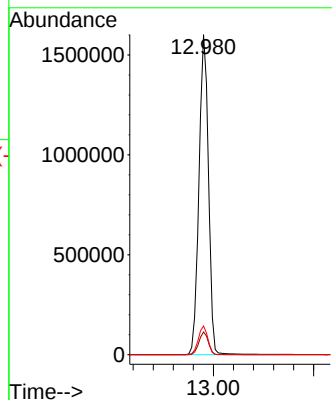
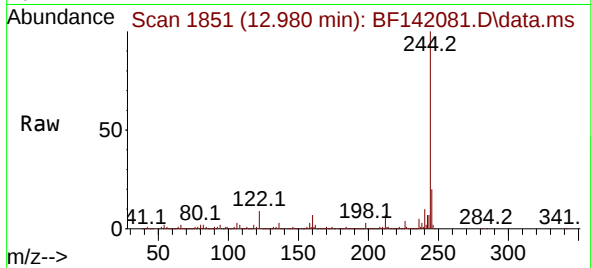




#79
 Terphenyl-d14
 Concen: 132.523 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142081.D
 Acq: 25 Mar 2025 16:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:244 Resp: 2101166
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.9 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. -0.000 min
 Lab File: BF142081.D
 Acq: 25 Mar 2025 16:41

Tgt Ion:264 Resp: 235614
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 21.6 17.5 26.3

