

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142047.D
 Acq On : 24 Mar 2025 11:27
 Operator : RC/JU
 Sample : Q1597-02RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 12:07:11 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)

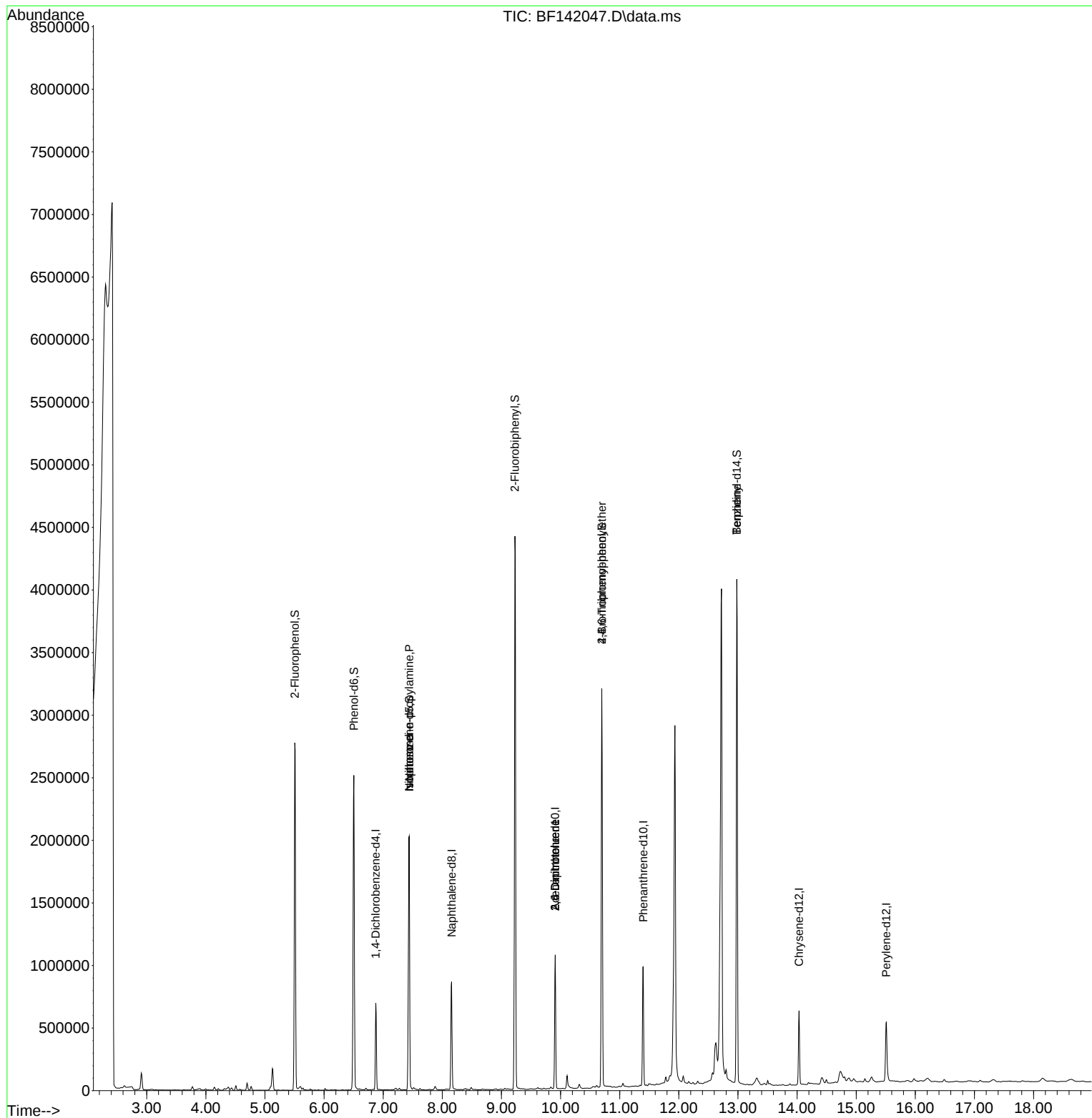
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	146748	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	572909	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	316948	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	508759	20.000	ng	0.00
76) Chrysene-d12	14.033	240	295320	20.000	ng	0.00
86) Perylene-d12	15.510	264	307959	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1146205	130.357	ng	0.01
7) Phenol-d6	6.504	99	1301127	116.222	ng	0.00
23) Nitrobenzene-d5	7.439	82	1002962	98.519	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	618616	153.850	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2044083	98.081	ng	-0.01
79) Terphenyl-d14	12.980	244	2063372	103.298	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	140659	19.554	ng	# 76
25) Isophorone	7.439	82	985606	54.770	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	40361	8.734	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	40361	6.687	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	39377	6.163	ng	# 1
77) Benzidine	12.980	184	28724	6.971	ng	# 87

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

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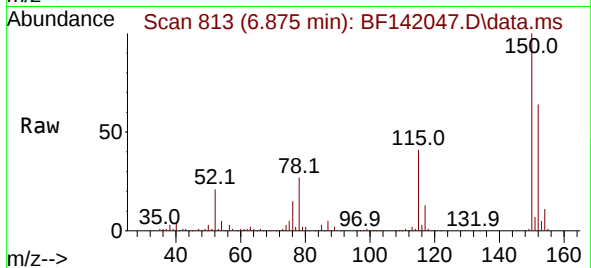
Quant Time: Mar 24 12:07:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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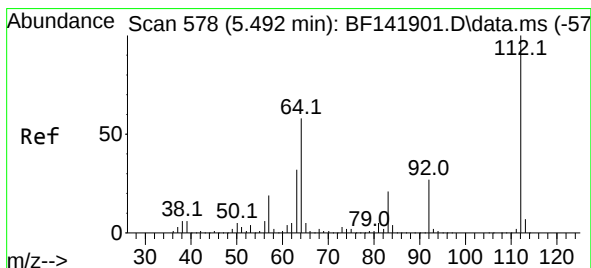
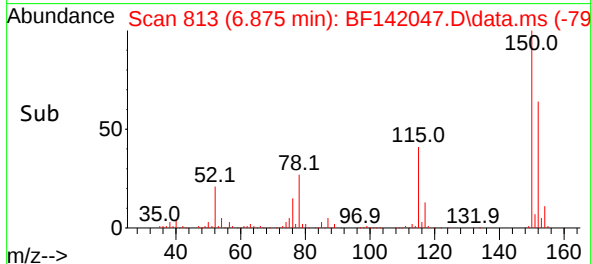
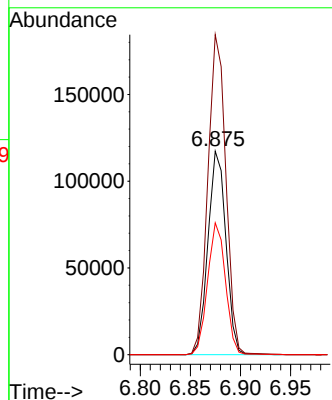


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142047.D
Acq: 24 Mar 2025 11:27

Instrument :
BNA_F
ClientSampleId :

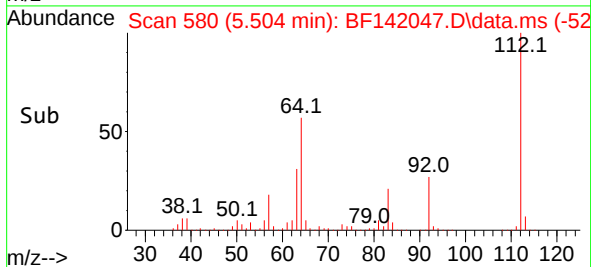
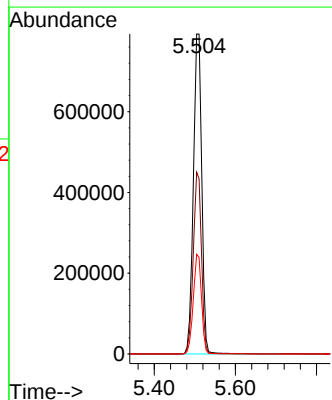
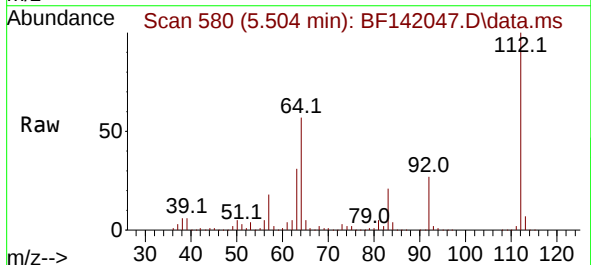


Tgt Ion:152 Resp: 146748
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.2
115 64.8 51.9 77.9



#5
2-Fluorophenol
Concen: 130.357 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142047.D
Acq: 24 Mar 2025 11:27

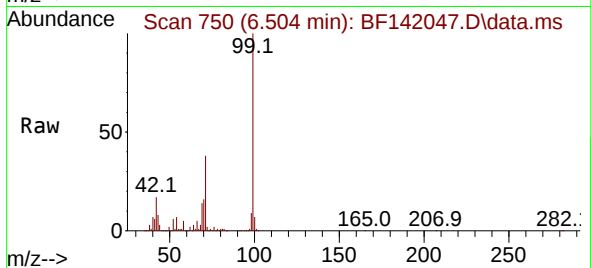
Tgt Ion:112 Resp: 1146205
Ion Ratio Lower Upper
112 100
64 56.8 46.5 69.7
63 31.1 25.4 38.2





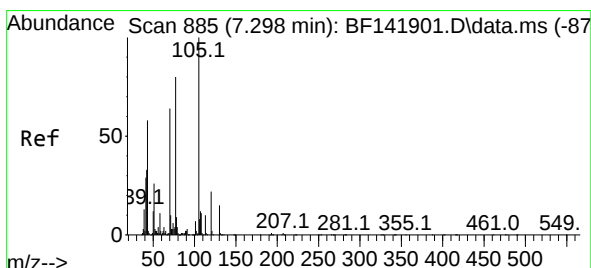
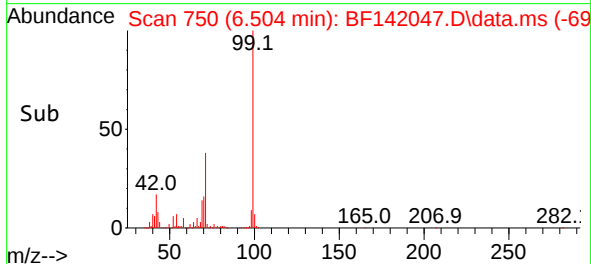
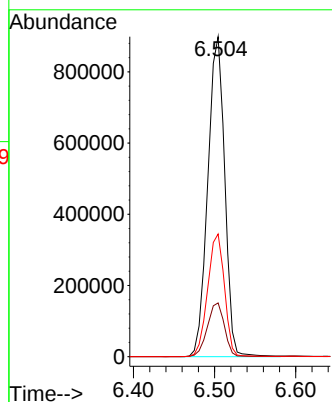
#7
Phenol-d6
Concen: 116.222 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142047.D
Acq: 24 Mar 2025 11:27

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 1301127

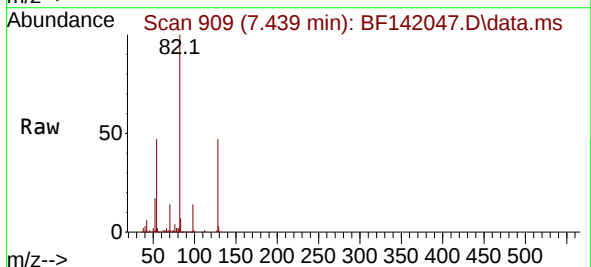
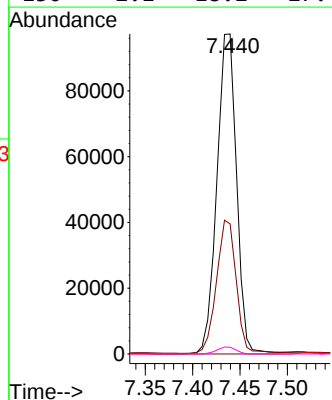
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.6	21.8
71	38.3	30.8	46.2

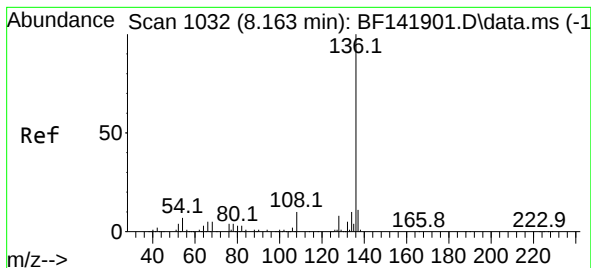


#19
n-Nitroso-di-n-propylamine
Concen: 19.554 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF142047.D
Acq: 24 Mar 2025 11:27

Tgt Ion: 70 Resp: 140659

Ion	Ratio	Lower	Upper
70	100		
42	40.6	41.4	62.0#
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 572909

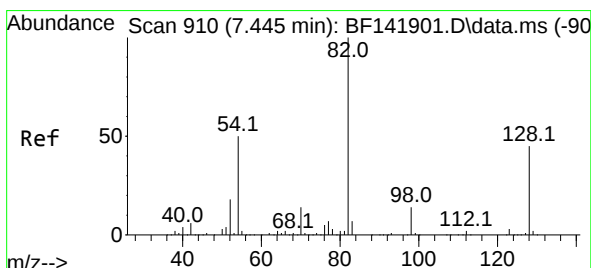
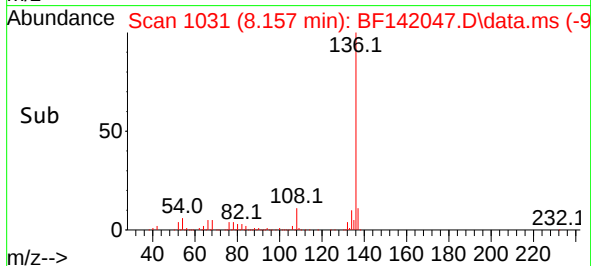
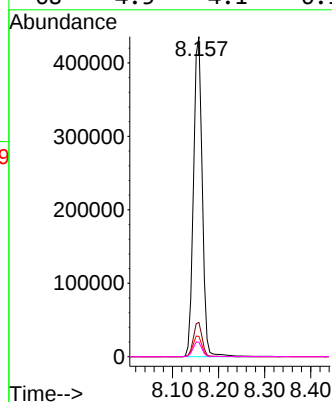
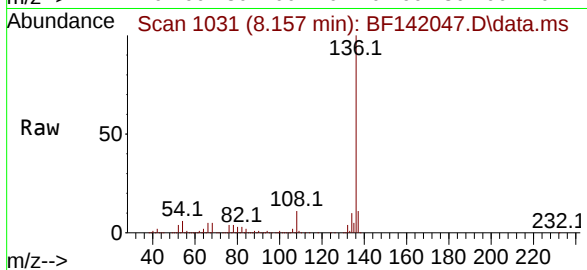
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.4 5.8 8.8

68 4.5 4.1 6.1



#23

Nitrobenzene-d5

Concen: 98.519 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

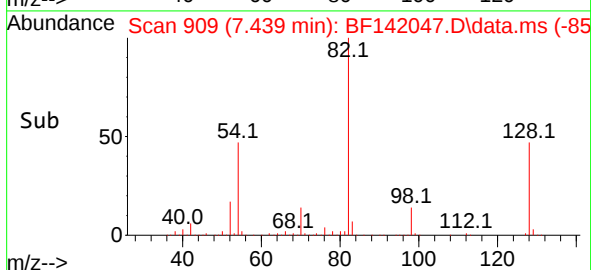
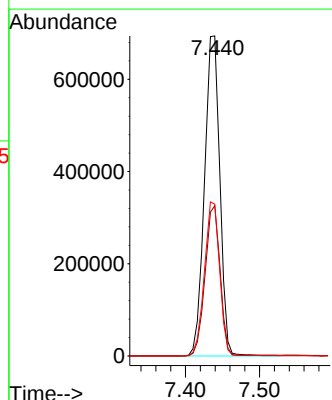
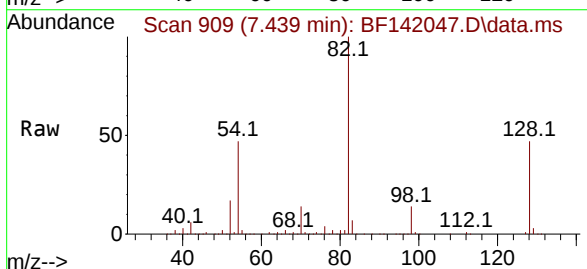
Tgt Ion: 82 Resp: 1002962

Ion Ratio Lower Upper

82 100

128 46.9 36.0 54.0

54 47.4 39.6 59.4

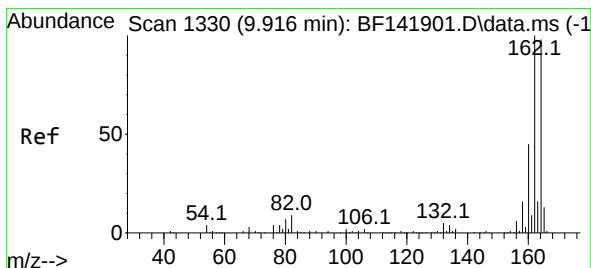
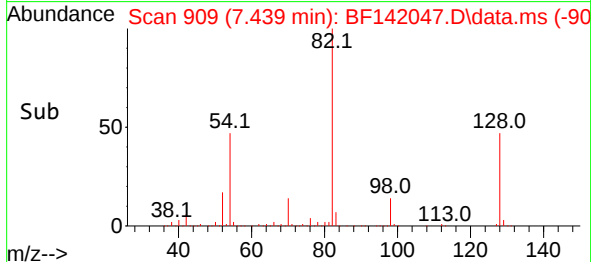
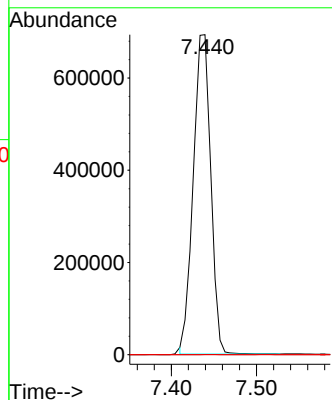
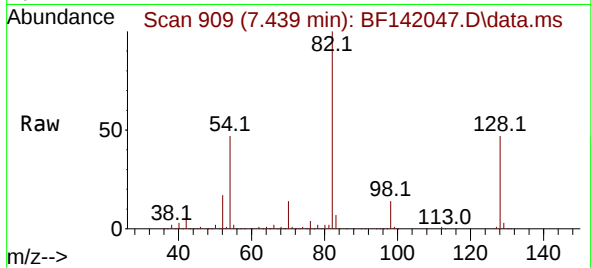




#25
Isophorone
Concen: 54.770 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF142047.D
Acq: 24 Mar 2025 11:27

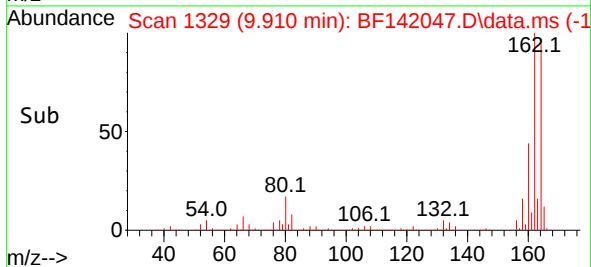
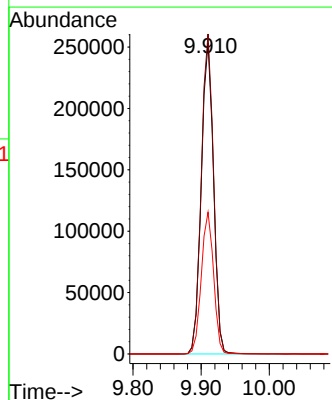
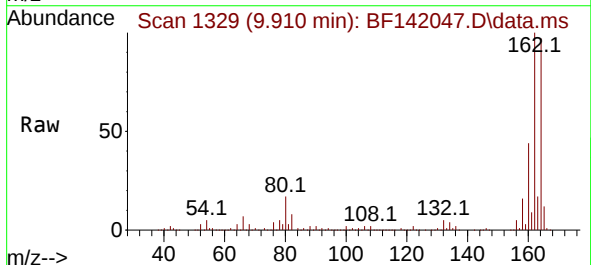
Instrument :
BNA_F
ClientSampleId :

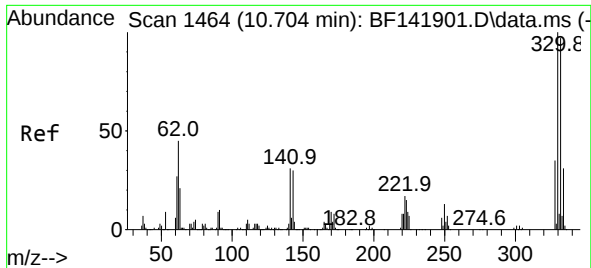
Tgt Ion: 82 Resp: 985606
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142047.D
Acq: 24 Mar 2025 11:27

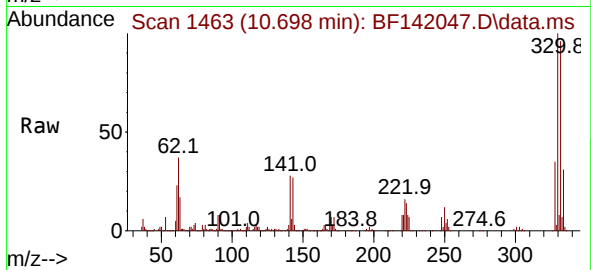
Tgt Ion:164 Resp: 316948
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 45.6 36.7 55.1



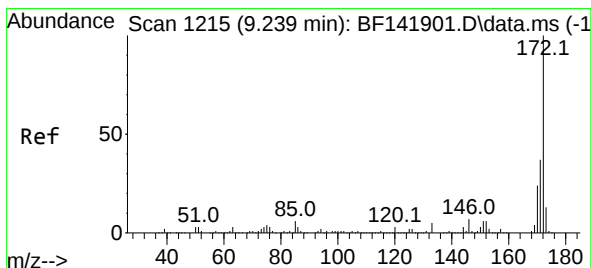
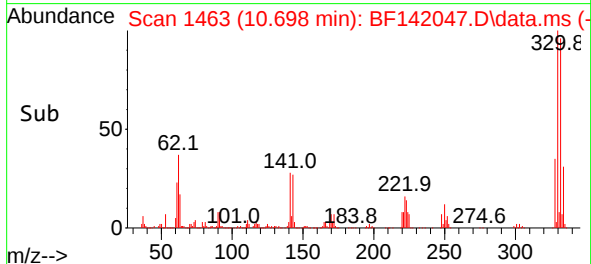
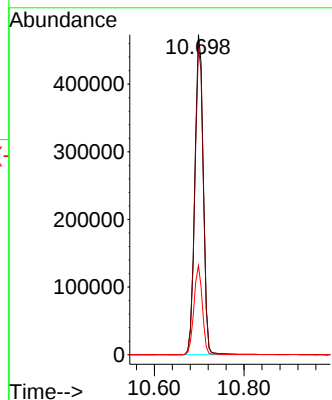


#42
 2,4,6-Tribromophenol
 Concen: 153.850 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142047.D
 Acq: 24 Mar 2025 11:27

Instrument :
 BNA_F
 ClientSampleId :

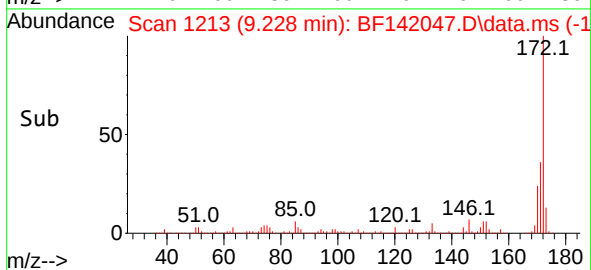
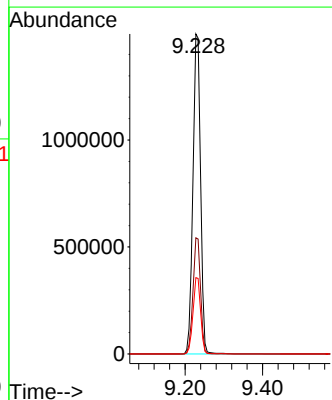
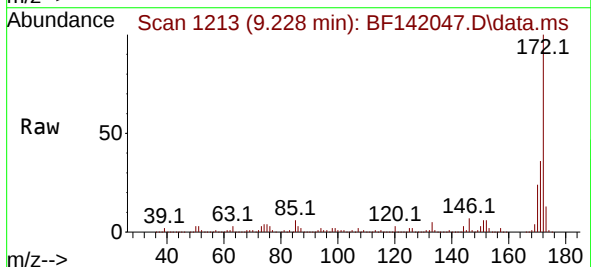


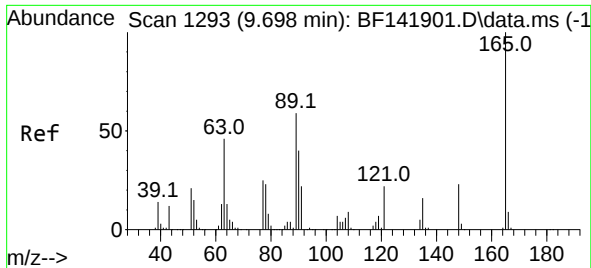
Tgt Ion:330 Resp: 618616
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.6 116.4
 141 27.8 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 98.081 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142047.D
 Acq: 24 Mar 2025 11:27

Tgt Ion:172 Resp: 2044083
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.3 43.9
 170 23.9 19.4 29.0

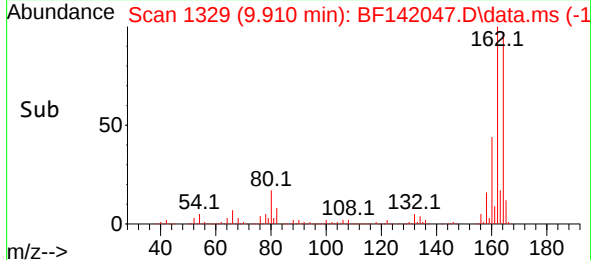
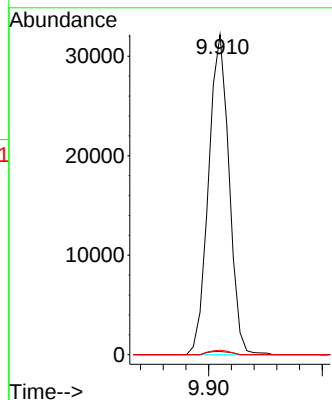
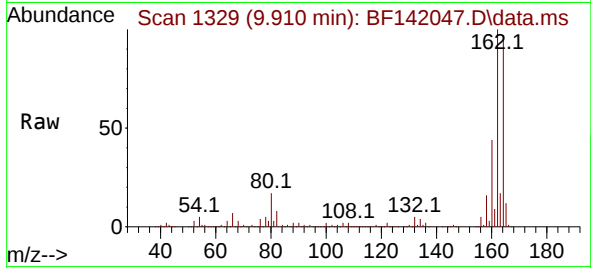




#51
2,6-Dinitrotoluene
Concen: 8.734 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142047.D
Acq: 24 Mar 2025 11:27

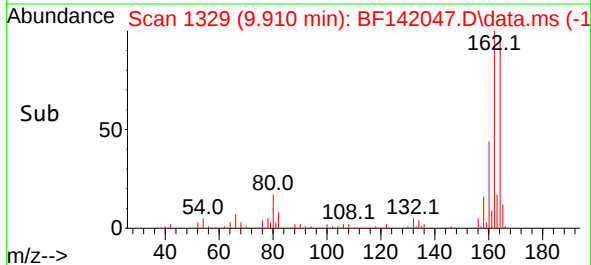
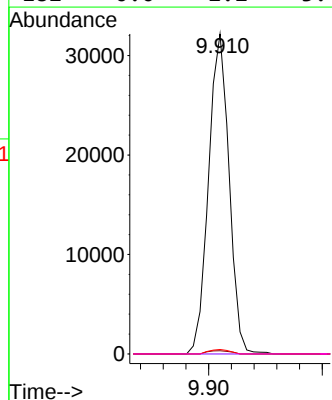
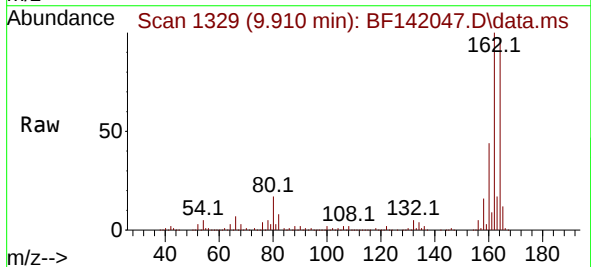
Instrument :
BNA_F
ClientSampleId :

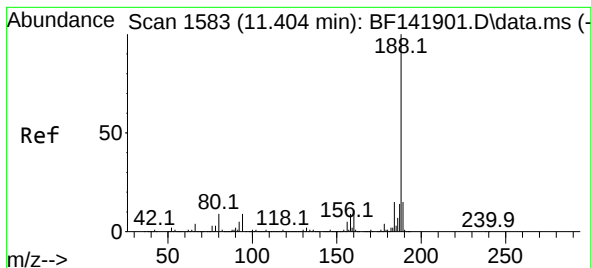
Tgt Ion:165 Resp: 40361
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.687 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142047.D
Acq: 24 Mar 2025 11:27

Tgt Ion:165 Resp: 40361
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

Instrument :

BNA_F

ClientSampleId :

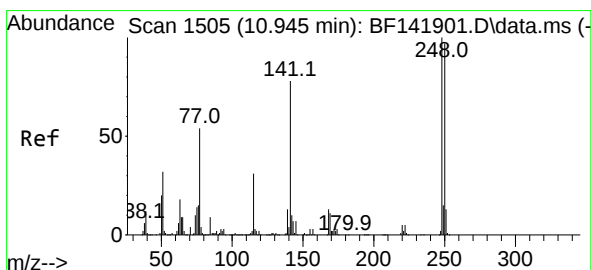
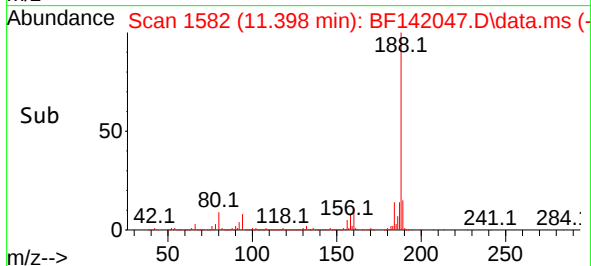
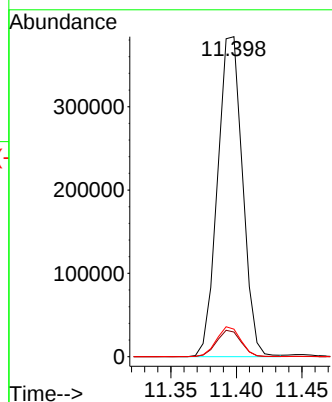
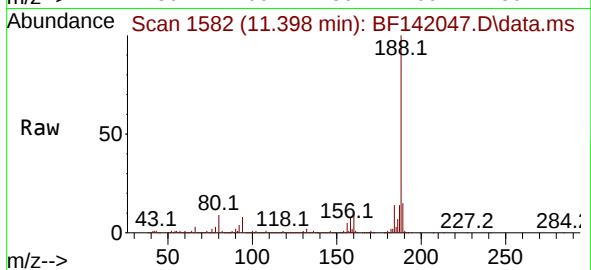
Tgt Ion:188 Resp: 508759

Ion Ratio Lower Upper

188 100

94 7.7 6.8 10.2

80 8.6 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 6.163 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

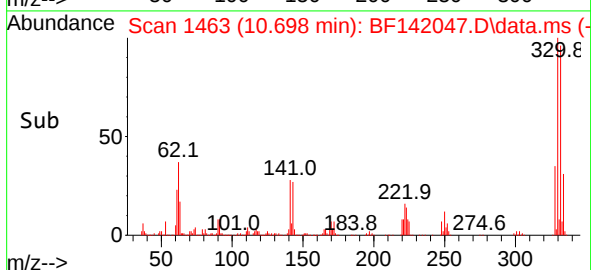
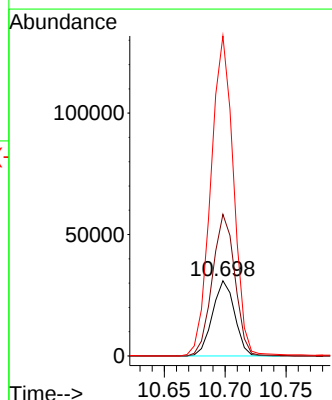
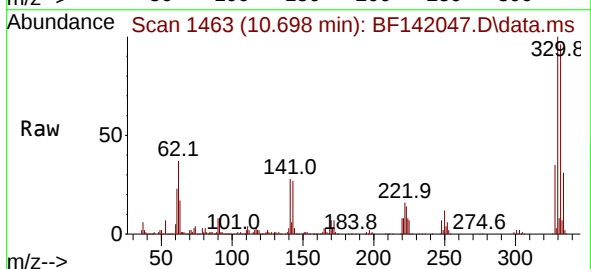
Tgt Ion:248 Resp: 39377

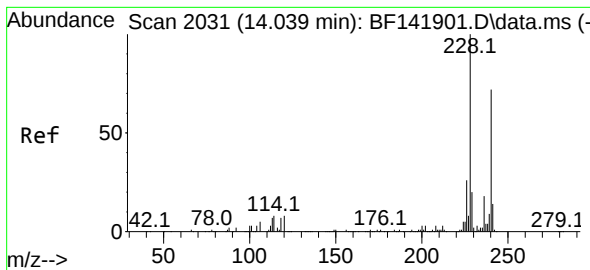
Ion Ratio Lower Upper

248 100

250 188.3 77.8 116.8#

141 425.6 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

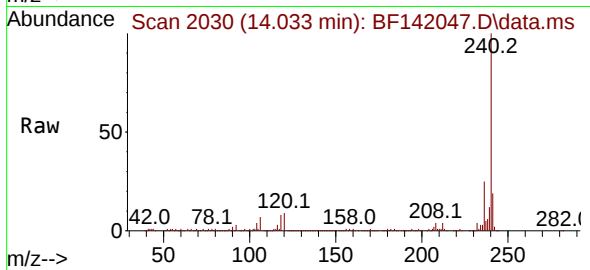
Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

Instrument :

BNA_F

ClientSampleId :



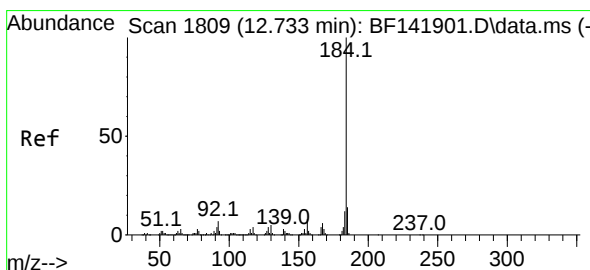
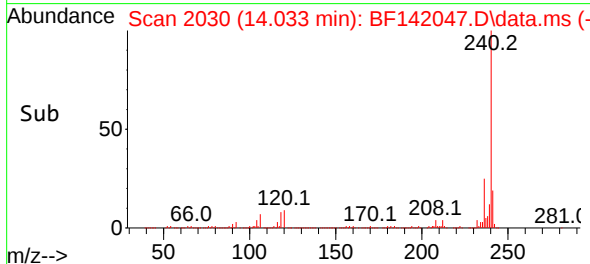
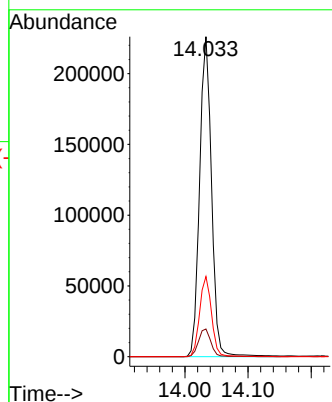
Tgt Ion:240 Resp: 295320

Ion Ratio Lower Upper

240 100

120 8.7 8.4 12.6

236 25.0 20.5 30.7



#77

Benzidine

Concen: 6.971 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

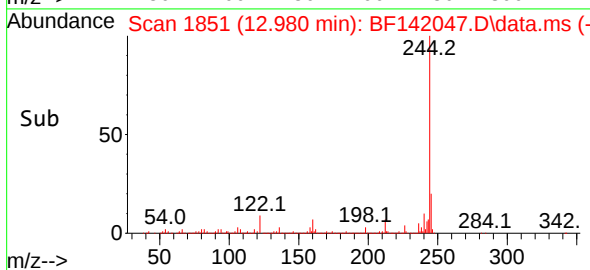
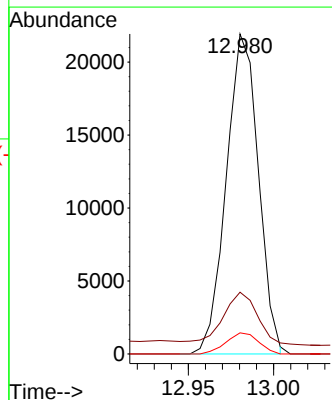
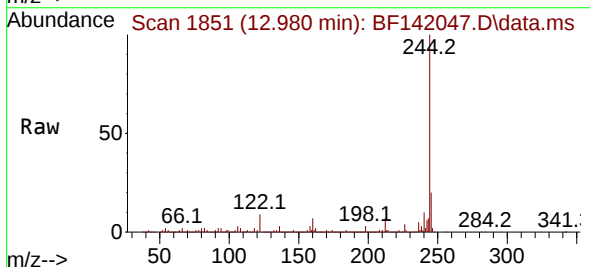
Tgt Ion:184 Resp: 28724

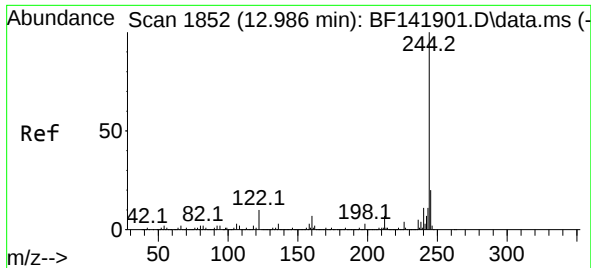
Ion Ratio Lower Upper

184 100

185 19.3 11.5 17.3#

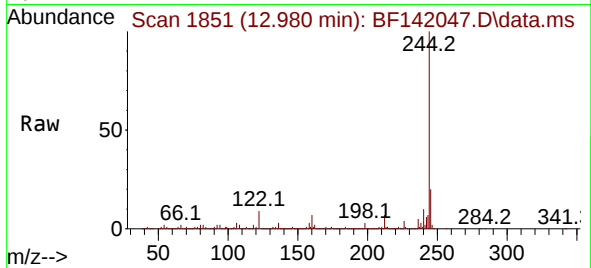
183 6.6 9.7 14.5#



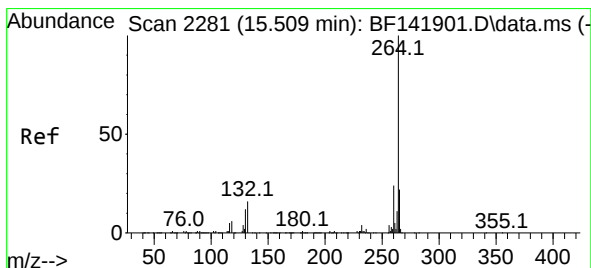
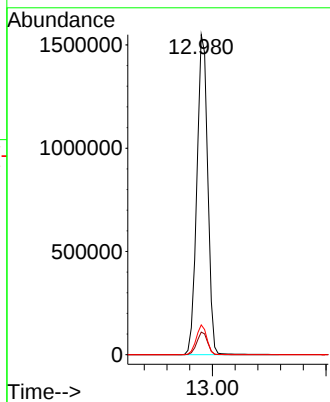
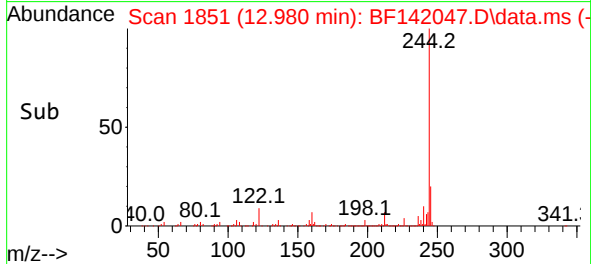


#79
 Terphenyl-d14
 Concen: 103.298 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142047.D
 Acq: 24 Mar 2025 11:27

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 2063372
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.3 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142047.D
 Acq: 24 Mar 2025 11:27

Tgt Ion:264 Resp: 307959
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 21.3 17.5 26.3

