

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142118.D
 Acq On : 27 Mar 2025 11:02
 Operator : RC/JU
 Sample : PB167326BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167326BL

Quant Time: Mar 27 12:17:15 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)

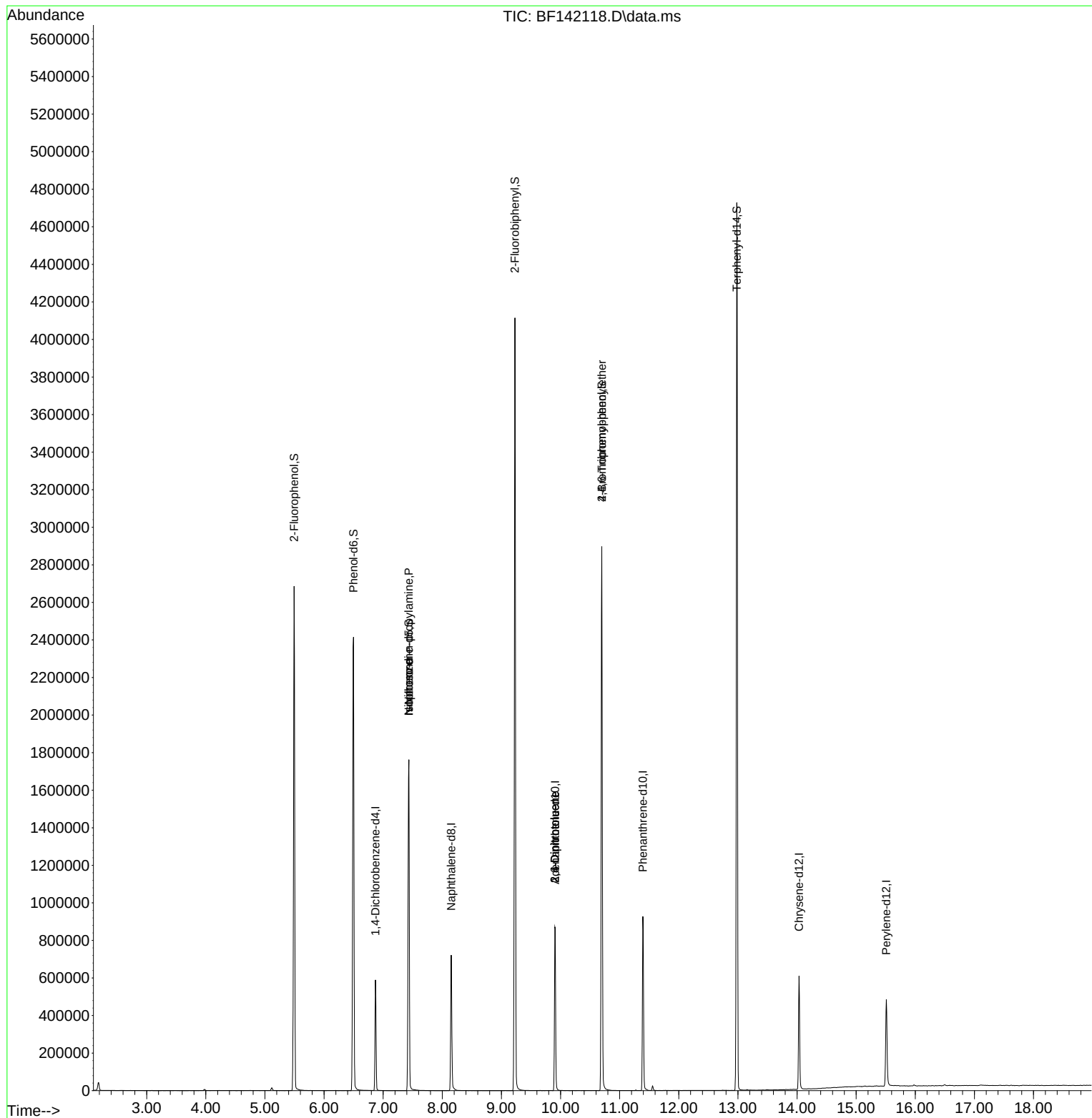
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	126706	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	495560	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	283993	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	511495	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	315857	20.000	ng	0.00
86) Perylene-d12	15.510	264	299780	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1078410	142.047	ng	0.00
7) Phenol-d6	6.498	99	1286168	133.059	ng	0.00
23) Nitrobenzene-d5	7.434	82	865917	98.334	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	578401	160.541	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1870538	100.169	ng	-0.01
79) Terphenyl-d14	12.980	244	2468459	115.543	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	119068	19.170	ng	# 76
25) Isophorone	7.434	82	856980	55.055	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	37241	8.994	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	37235	6.885	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	35062	5.458	ng	# 1

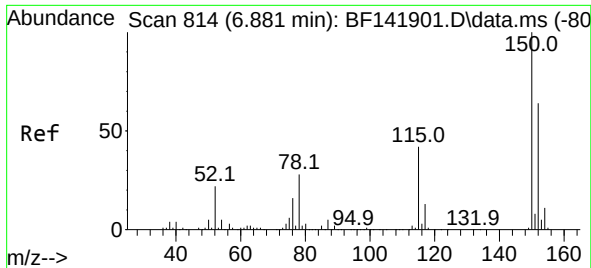
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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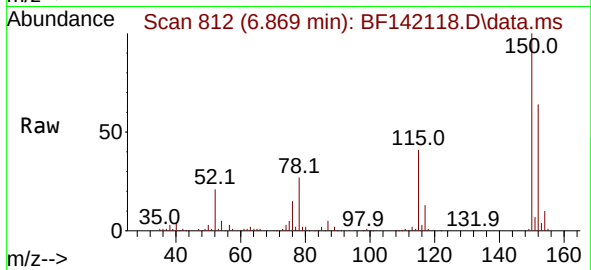
Quant Time: Mar 27 12:17:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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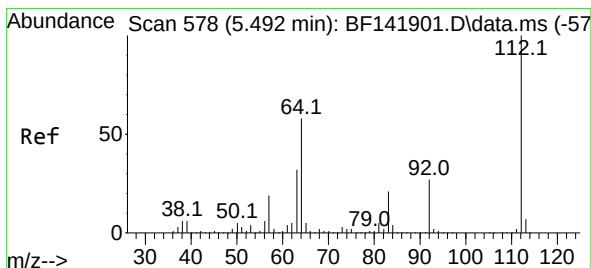
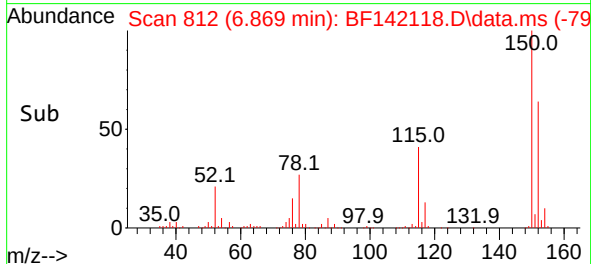
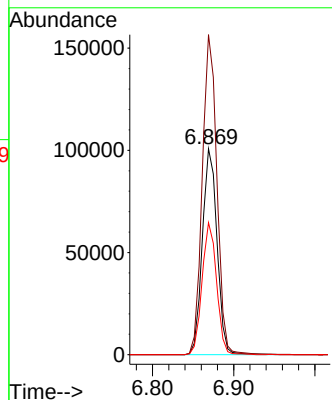


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

Instrument :
BNA_F
ClientSampleId :
PB167326BL

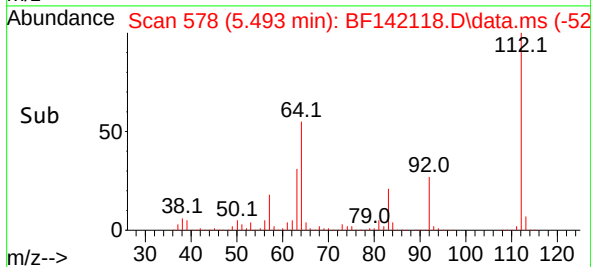
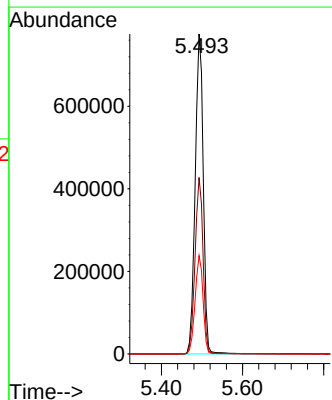
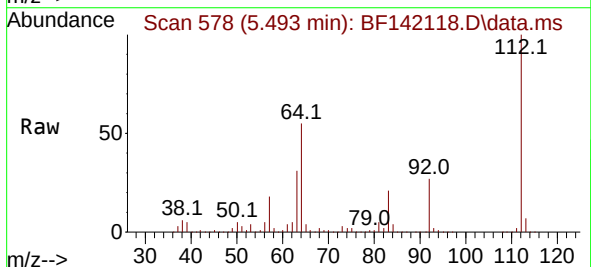


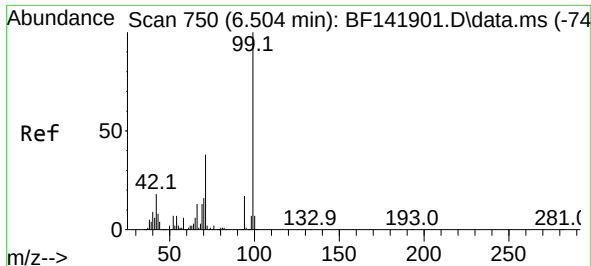
Tgt Ion:152 Resp: 126706
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.2
115 64.1 51.9 77.9



#5
2-Fluorophenol
Concen: 142.047 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

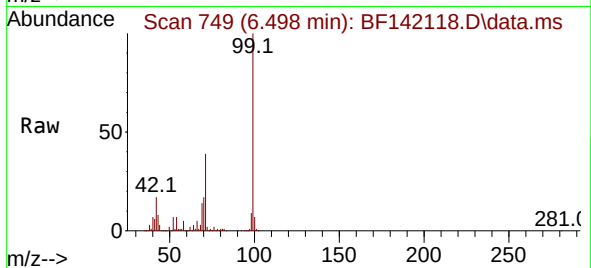
Tgt Ion:112 Resp: 1078410
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 30.8 25.4 38.2





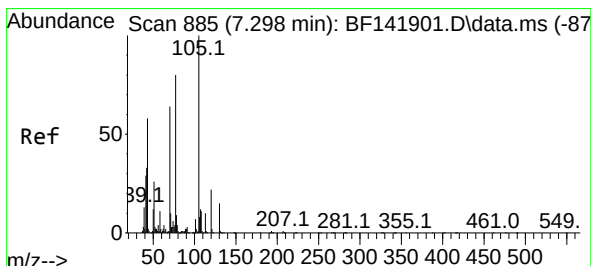
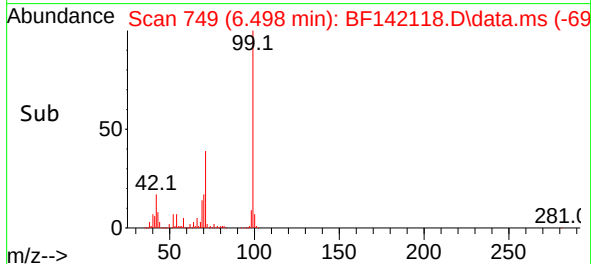
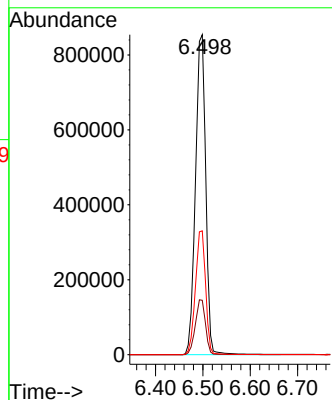
#7
Phenol-d6
Concen: 133.059 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

Instrument :
BNA_F
ClientSampleId :
PB167326BL



Tgt Ion: 99 Resp: 1286168

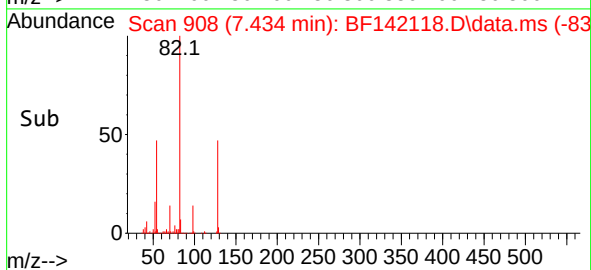
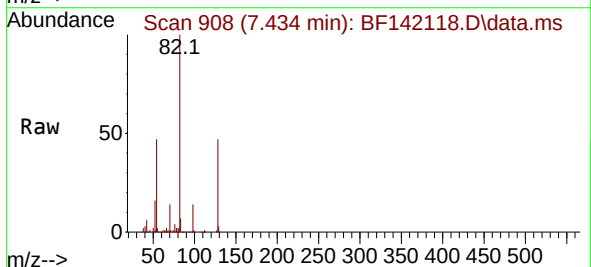
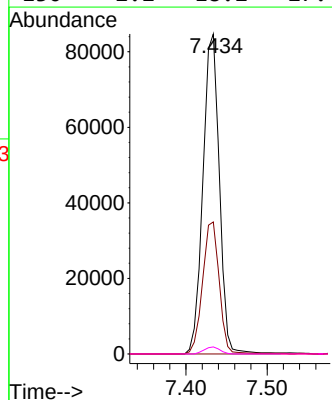
Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.7	30.8	46.2

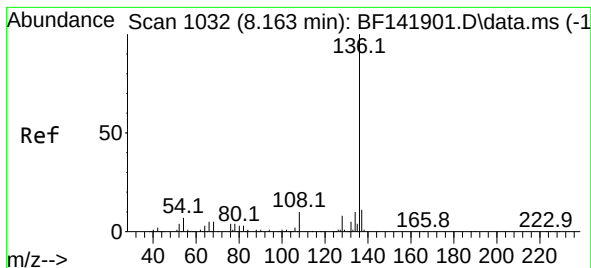


#19
n-Nitroso-di-n-propylamine
Concen: 19.170 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

Tgt Ion: 70 Resp: 119068

Ion	Ratio	Lower	Upper
70	100		
42	41.3	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: BF142118.D

Acq: 27 Mar 2025 11:02

Instrument :

BNA_F

ClientSampleId :

PB167326BL

Tgt Ion:136 Resp: 495560

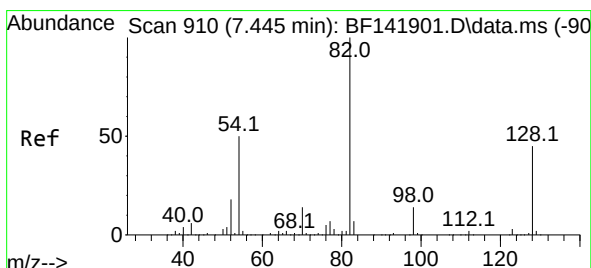
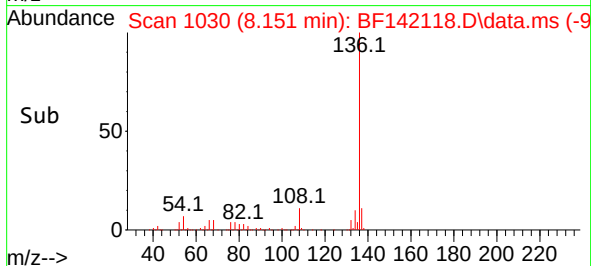
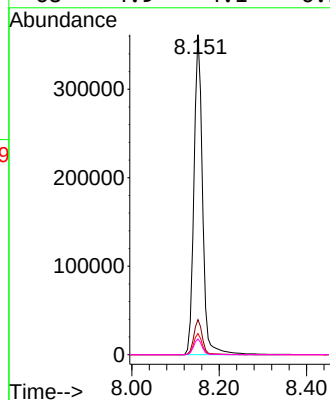
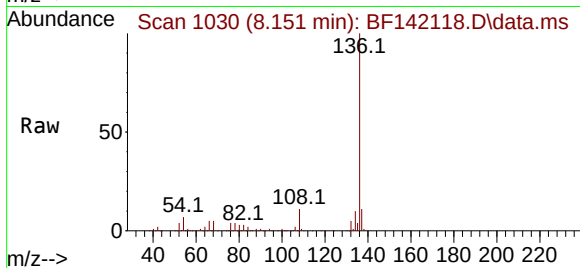
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.6 5.8 8.8

68 4.9 4.1 6.1



#23

Nitrobenzene-d5

Concen: 98.334 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142118.D

Acq: 27 Mar 2025 11:02

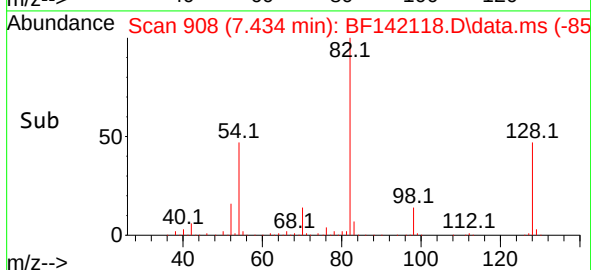
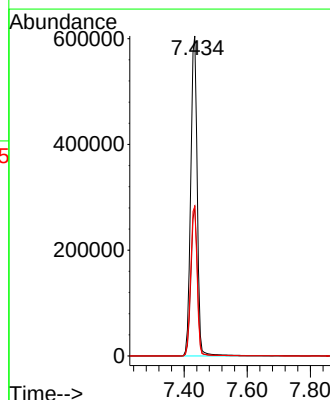
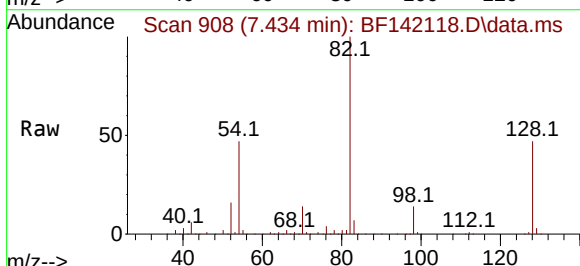
Tgt Ion: 82 Resp: 865917

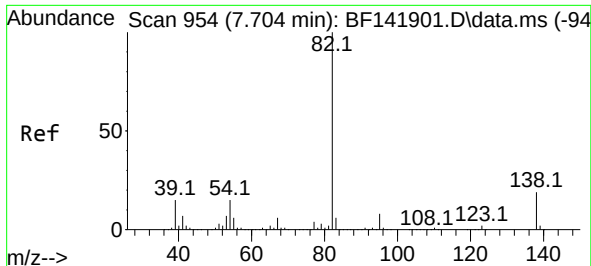
Ion Ratio Lower Upper

82 100

128 47.0 36.0 54.0

54 46.7 39.6 59.4

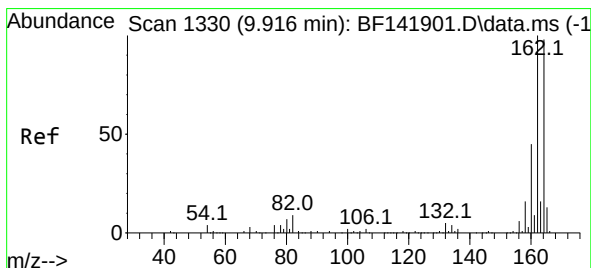
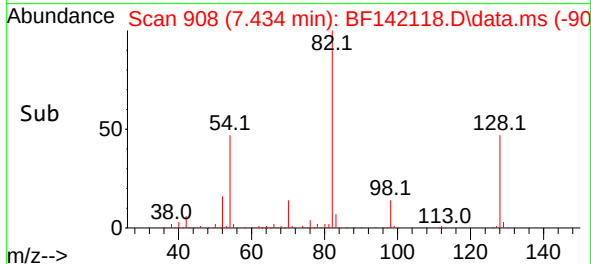
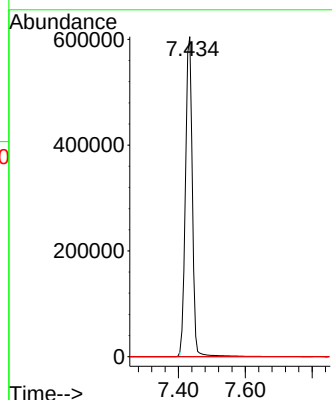
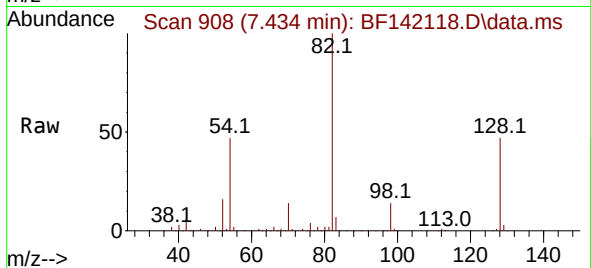




#25
Isophorone
Concen: 55.055 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

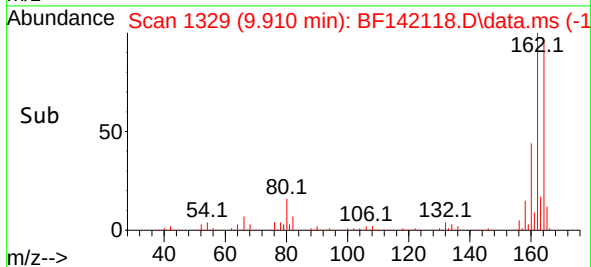
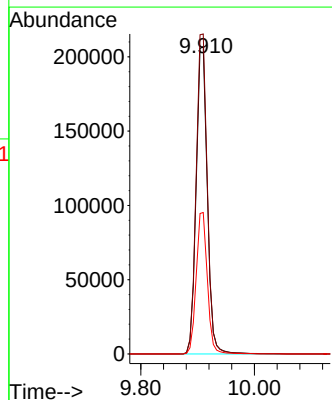
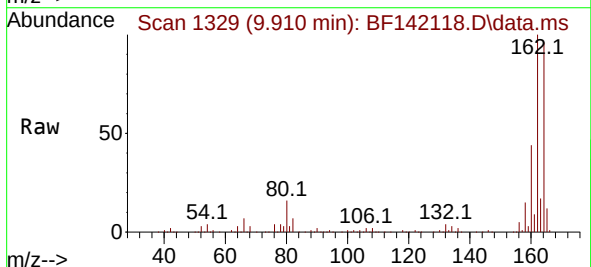
Instrument :
BNA_F
ClientSampleId :
PB167326BL

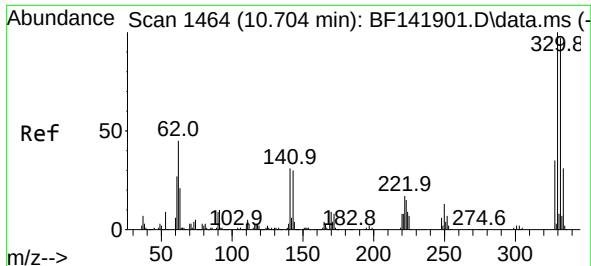
Tgt Ion: 82 Resp: 856980
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

Tgt Ion:164 Resp: 283993
Ion Ratio Lower Upper
164 100
162 104.2 81.8 122.6
160 46.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 160.541 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142118.D

Acq: 27 Mar 2025 11:02

Instrument :

BNA_F

ClientSampleId :

PB167326BL

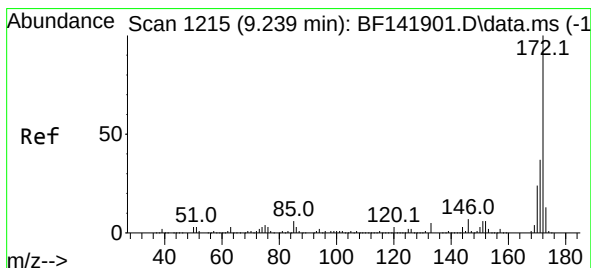
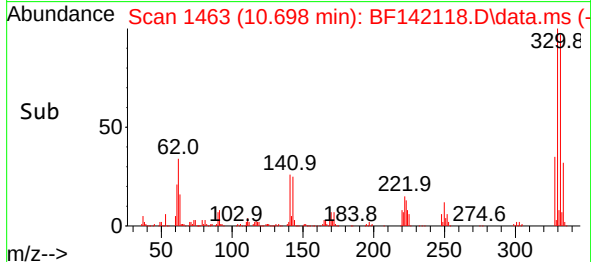
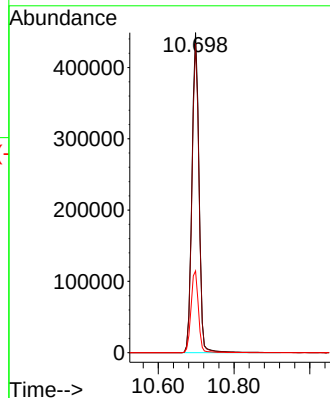
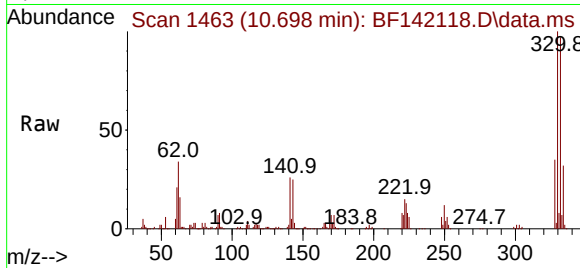
Tgt Ion:330 Resp: 578401

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 26.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 100.169 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142118.D

Acq: 27 Mar 2025 11:02

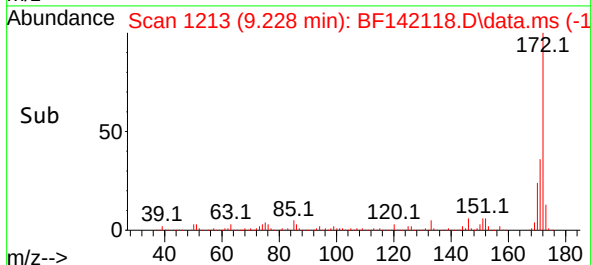
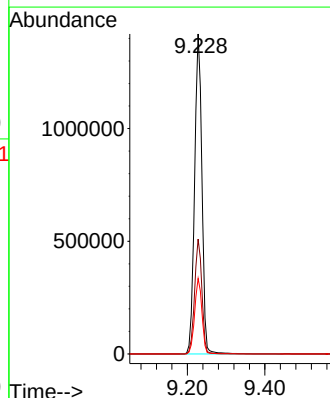
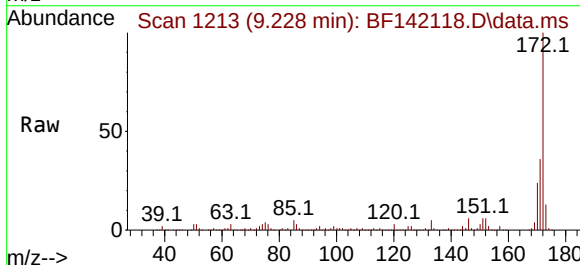
Tgt Ion:172 Resp: 1870538

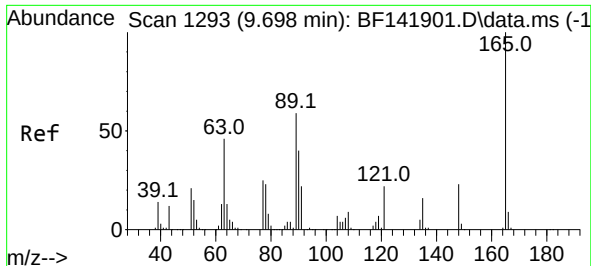
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.6 19.4 29.0

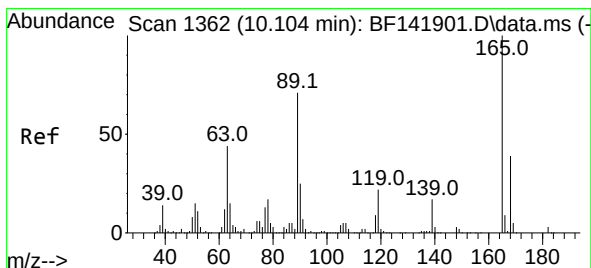
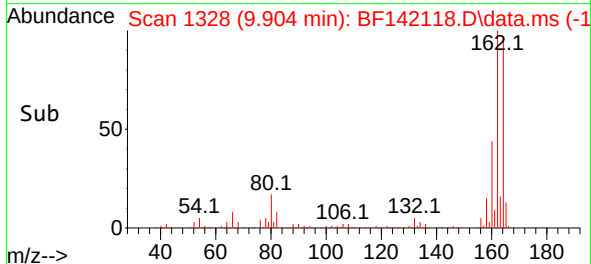
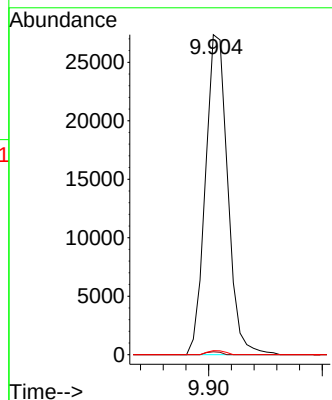
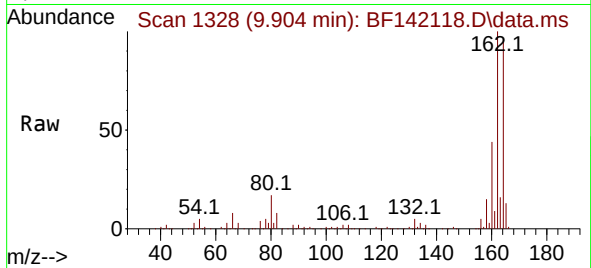




#51
2,6-Dinitrotoluene
Concen: 8.994 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

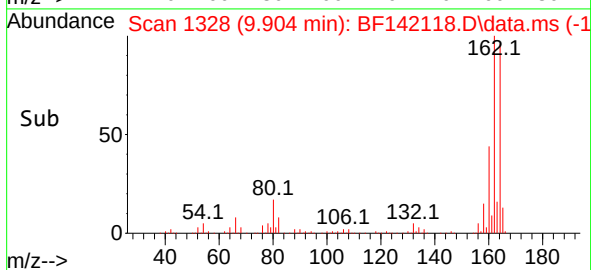
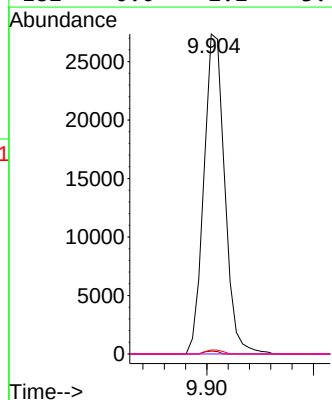
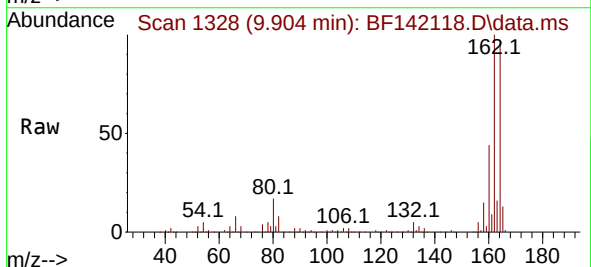
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PB167326BL

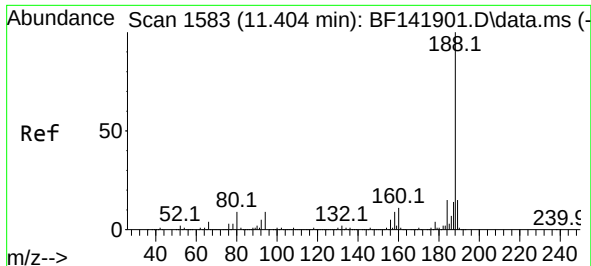
Tgt Ion:165 Resp: 37241
Ion Ratio Lower Upper
165 100
63 0.9 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.885 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

Tgt Ion:165 Resp: 37235
Ion Ratio Lower Upper
165 100
63 0.9 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

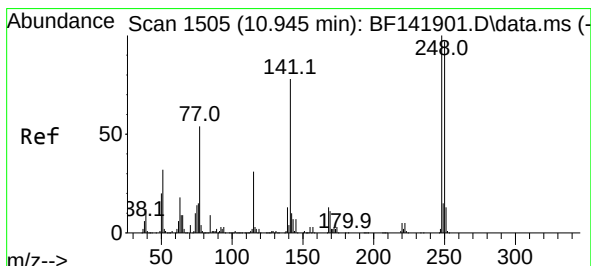
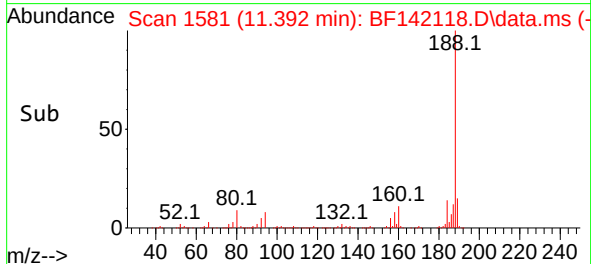
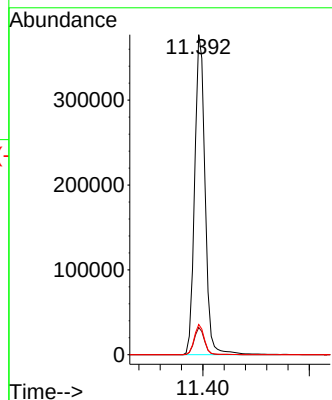
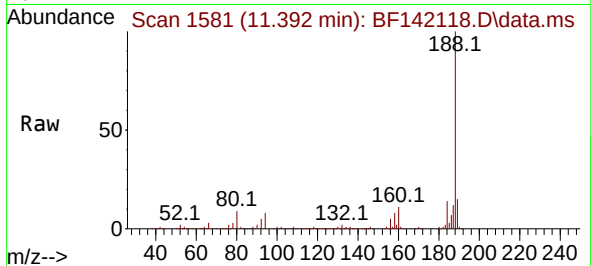




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

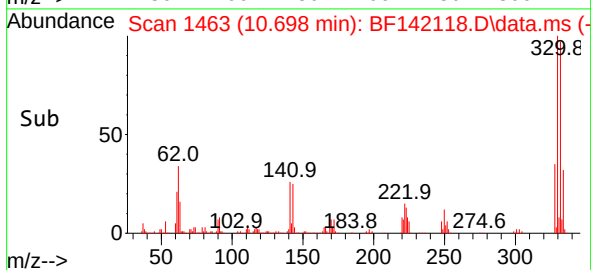
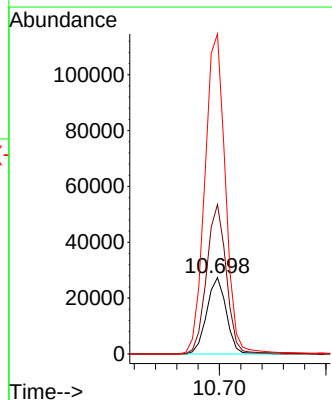
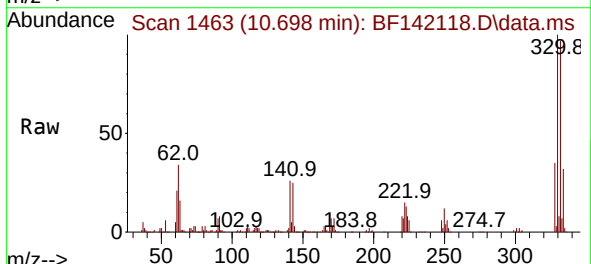
Instrument :
BNA_F
ClientSampleId :
PB167326BL

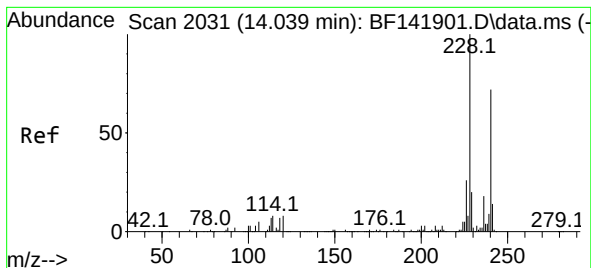
Tgt Ion:188 Resp: 511495
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.4 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.458 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142118.D
Acq: 27 Mar 2025 11:02

Tgt Ion:248 Resp: 35062
Ion Ratio Lower Upper
248 100
250 195.7 77.8 116.8#
141 419.2 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: BF142118.D

Acq: 27 Mar 2025 11:02

Instrument :

BNA_F

ClientSampleId :

PB167326BL

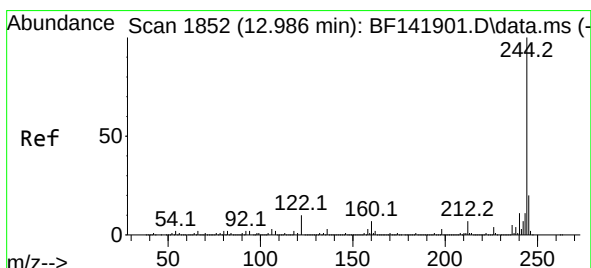
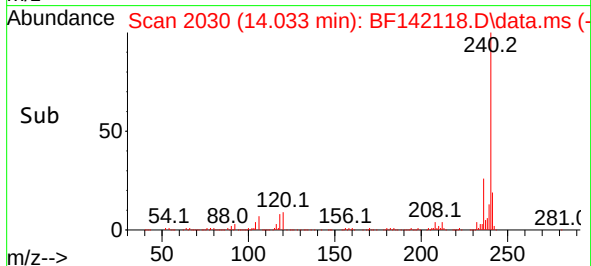
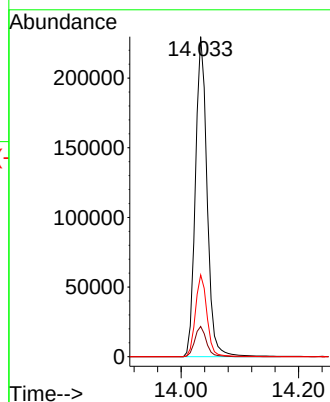
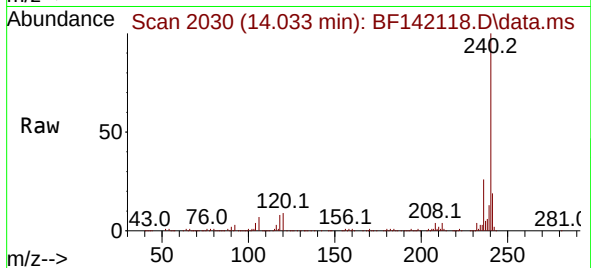
Tgt Ion:240 Resp: 315857

Ion Ratio Lower Upper

240 100

120 9.4 8.4 12.6

236 25.5 20.5 30.7



#79

Terphenyl-d14

Concen: 115.543 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142118.D

Acq: 27 Mar 2025 11:02

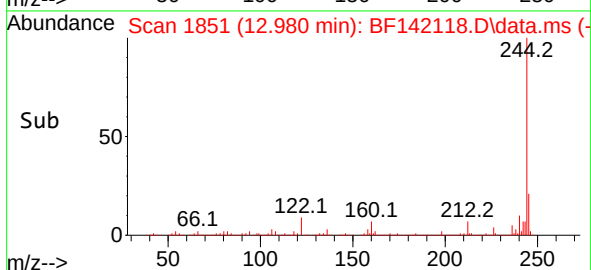
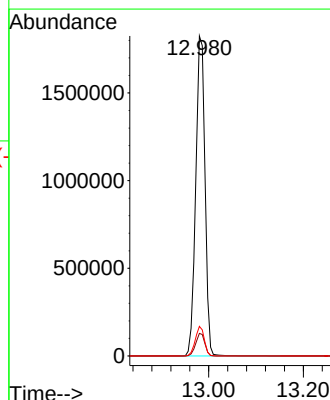
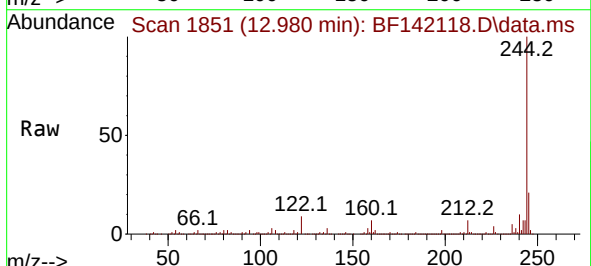
Tgt Ion:244 Resp: 2468459

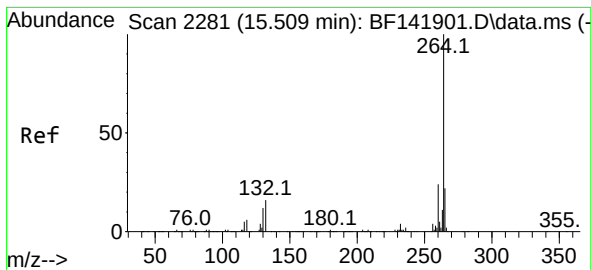
Ion Ratio Lower Upper

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# 21
 Delta R.T. 0.000 min
 Lab File: BF142118.D
 Acq: 27 Mar 2025 11:02

Instrument :
 BNA_F
 ClientSampleId :
 PB167326BL

Tgt Ion:264 Resp: 299780
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.5 17.5 26.3

