

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142111.D
 Acq On : 26 Mar 2025 22:06
 Operator : RC/JU
 Sample : Q1631-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 364

Quant Time: Mar 27 01:06:43 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)

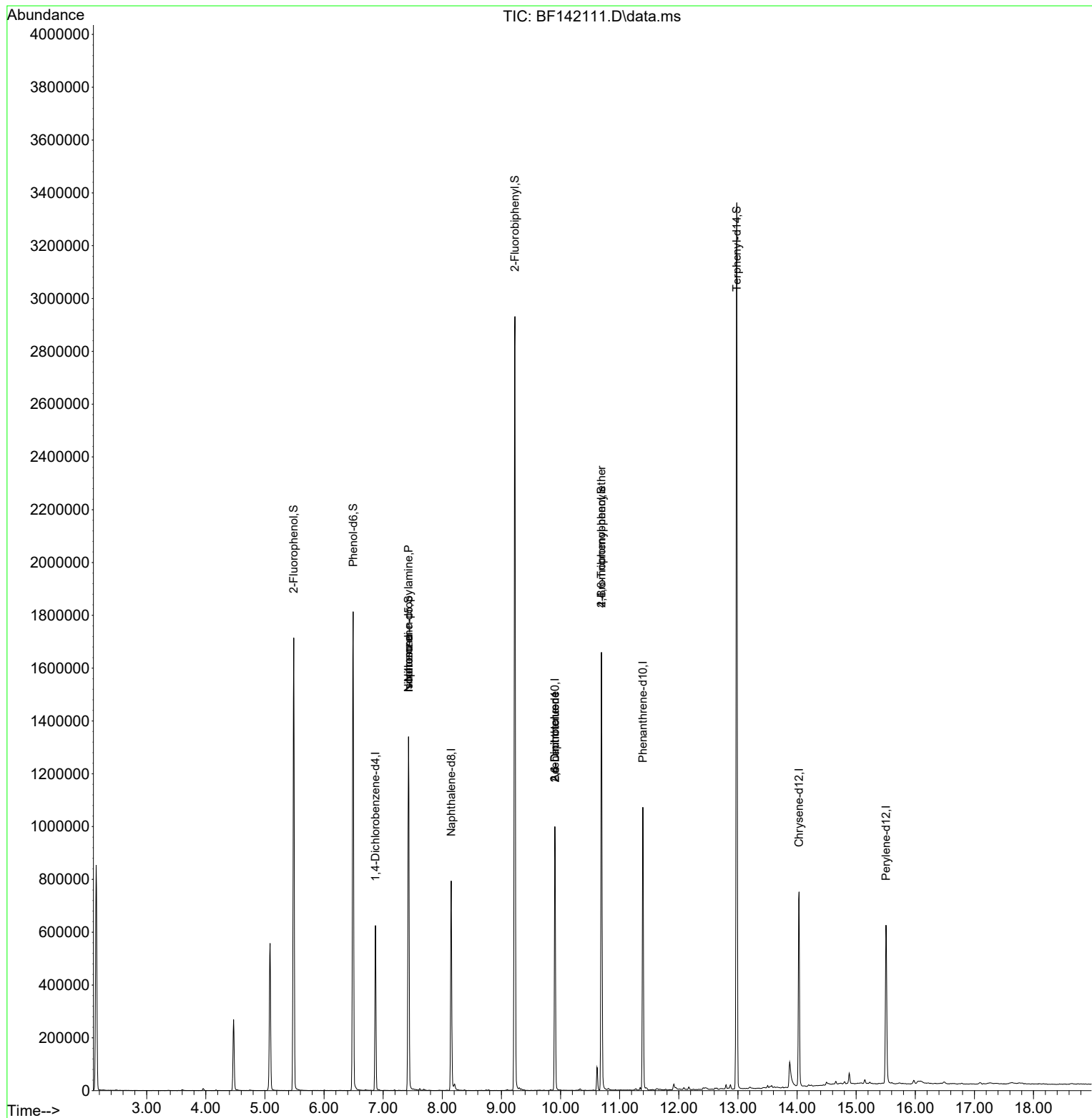
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	133109	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	527342	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	301770	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	561255	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	375914	20.000	ng	0.00
86) Perylene-d12	15.504	264	375596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	668266	83.789	ng	0.00
7) Phenol-d6	6.493	99	881029	86.761	ng	-0.01
23) Nitrobenzene-d5	7.428	82	612027	65.313	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	310086	80.997	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1340804	67.572	ng	-0.01
79) Terphenyl-d14	12.980	244	1689887	66.463	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	84024	12.877	ng	# 78
25) Isophorone	7.428	82	599331	36.182	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	38911	8.844	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	38911	6.771	ng	# 24
67) 4-Bromophenyl-phenylether	10.692	248	18699	2.653	ng	# 1

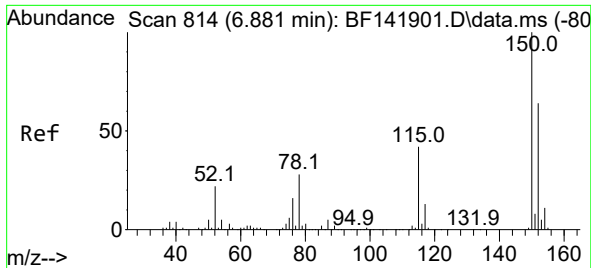
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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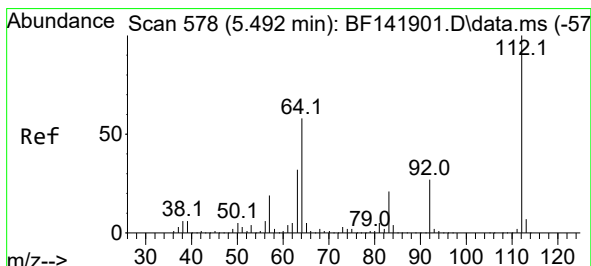
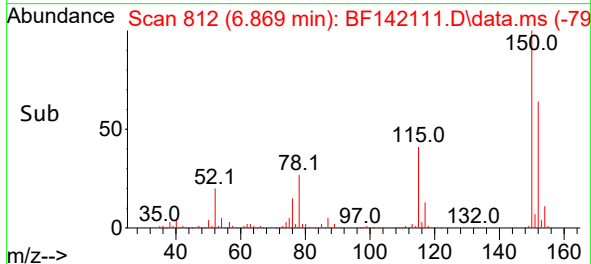
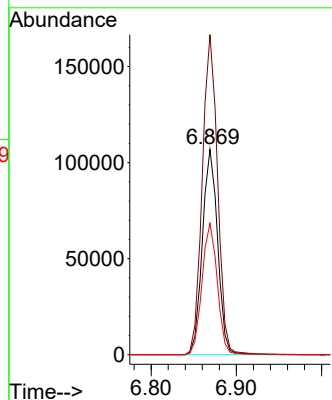
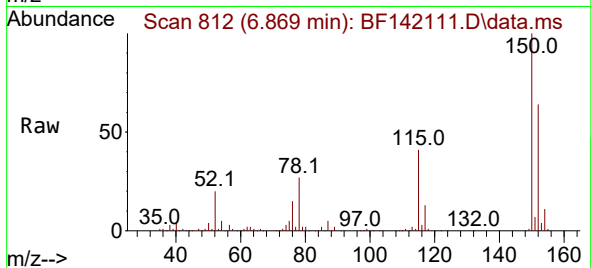




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

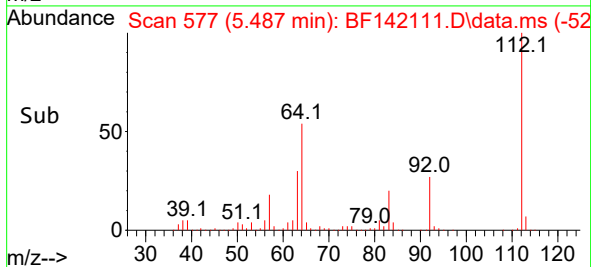
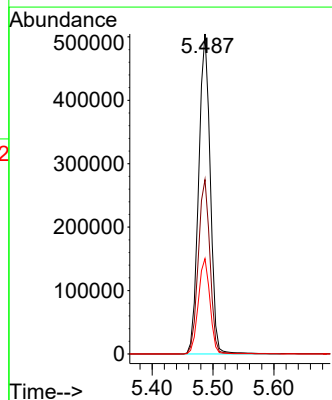
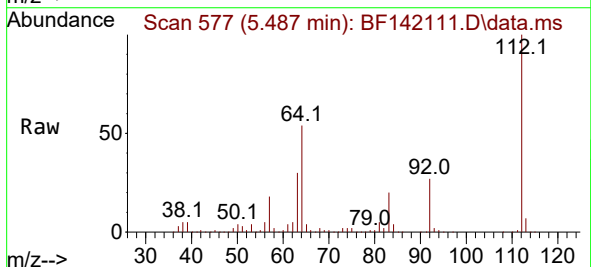
Instrument :
BNA_F
ClientSampleId :
364

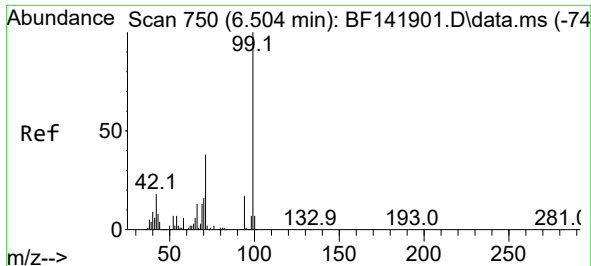
Tgt Ion:152 Resp: 133109
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 64.0 51.9 77.9



#5
2-Fluorophenol
Concen: 83.789 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

Tgt Ion:112 Resp: 668266
Ion Ratio Lower Upper
112 100
64 54.5 46.5 69.7
63 29.8 25.4 38.2

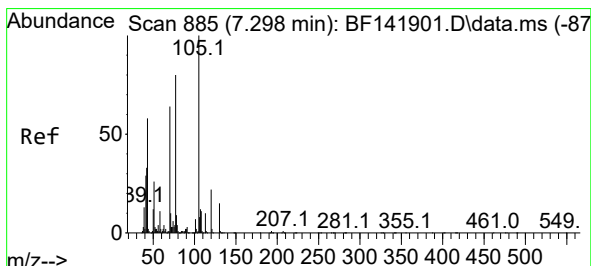
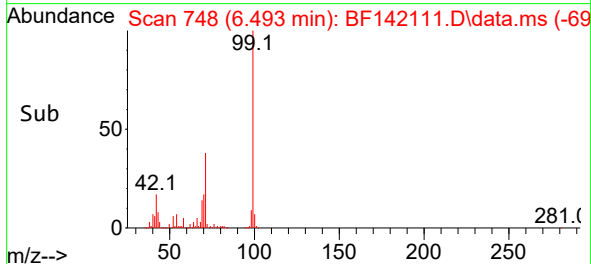
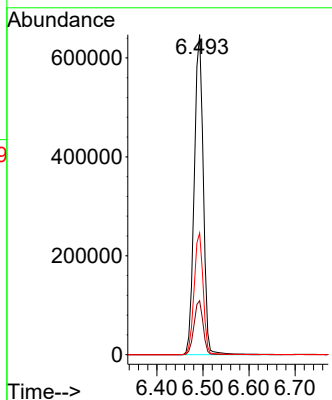
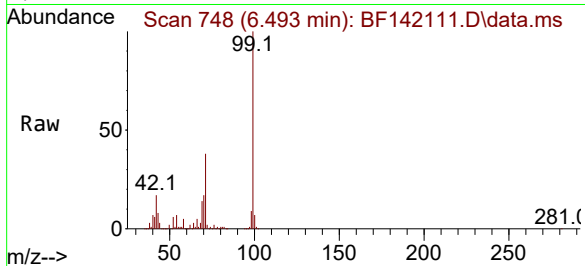




#7
Phenol-d6
Concen: 86.761 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

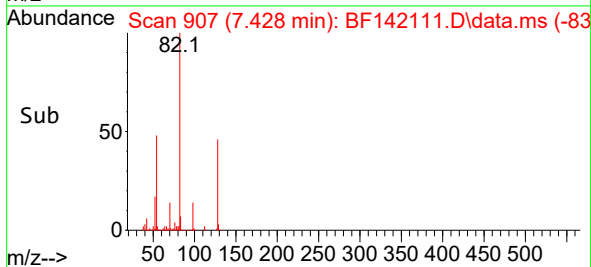
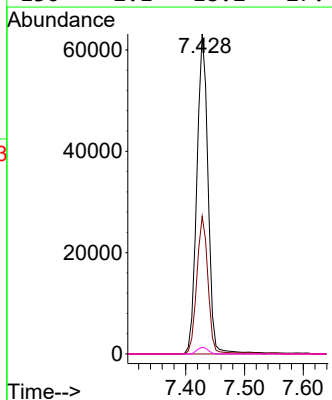
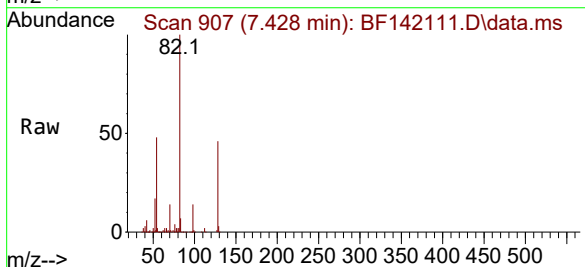
Instrument :
BNA_F
ClientSampleId :
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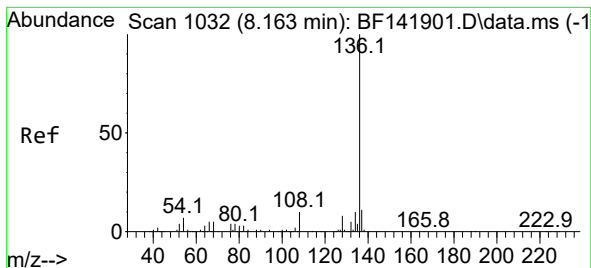
Tgt Ion: 99 Resp: 881029
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 38.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.877 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

Tgt Ion: 70 Resp: 84024
Ion Ratio Lower Upper
70 100
42 43.0 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: 8.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142111.D

Acq: 26 Mar 2025 22:06

Instrument :

BNA_F

ClientSampleId :

364

Tgt Ion:136 Resp: 527342

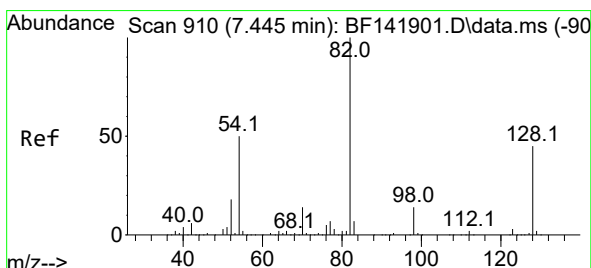
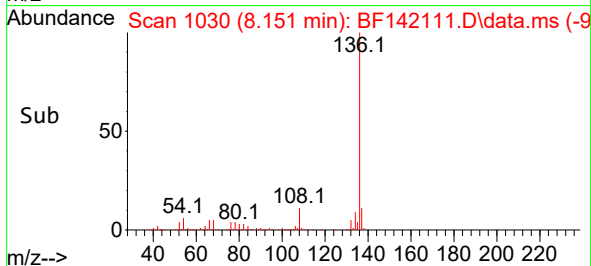
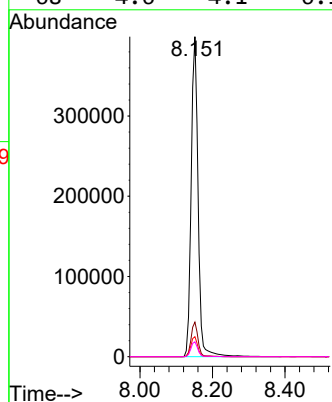
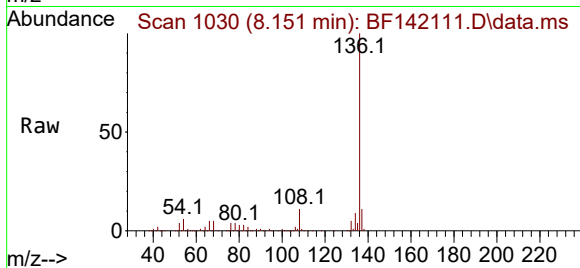
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.3 5.8 8.8

68 4.6 4.1 6.1



#23

Nitrobenzene-d5

Concen: 65.313 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.017 min

Lab File: BF142111.D

Acq: 26 Mar 2025 22:06

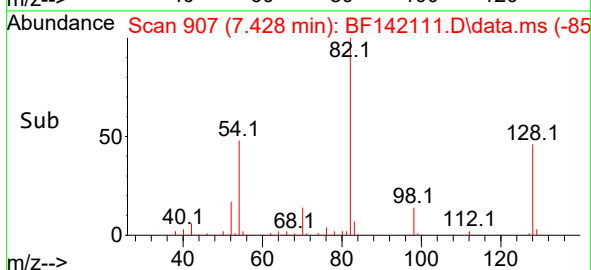
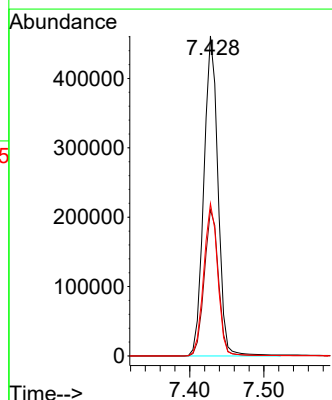
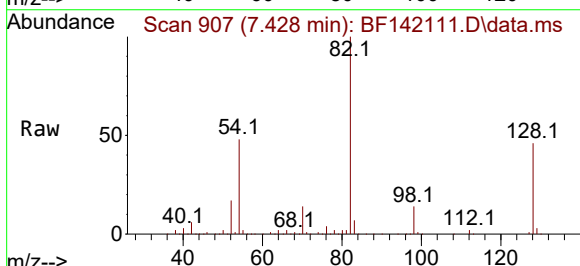
Tgt Ion: 82 Resp: 612027

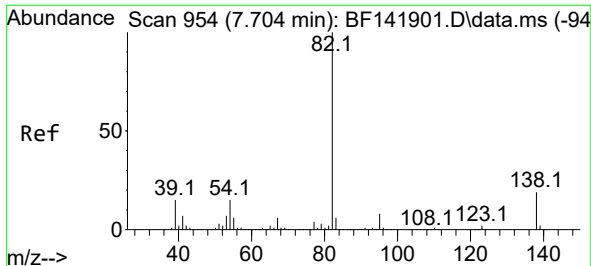
Ion Ratio Lower Upper

82 100

128 45.7 36.0 54.0

54 47.6 39.6 59.4

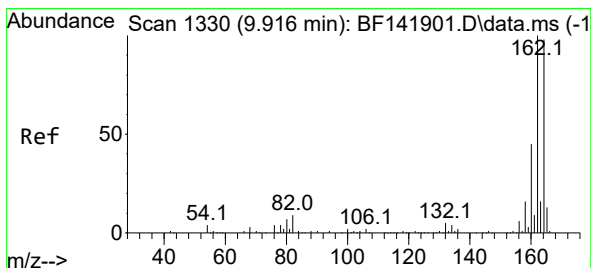
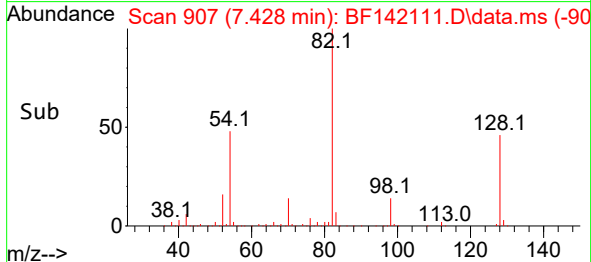
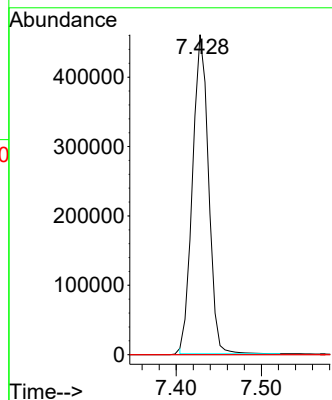
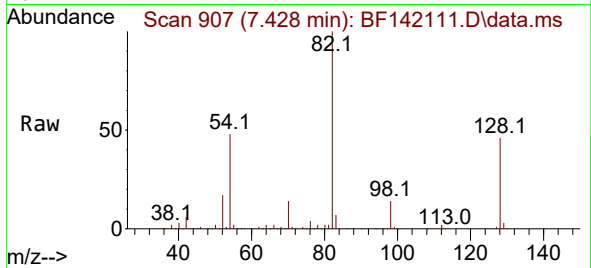




#25
Isophorone
Concen: 36.182 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

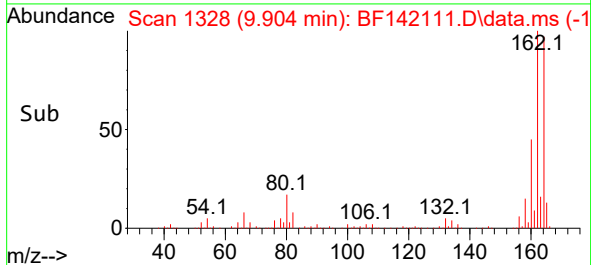
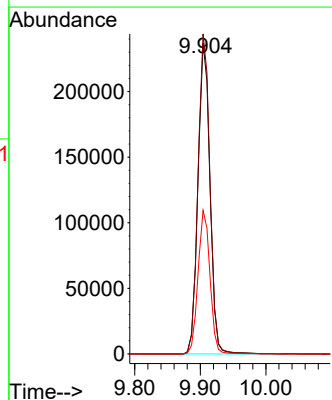
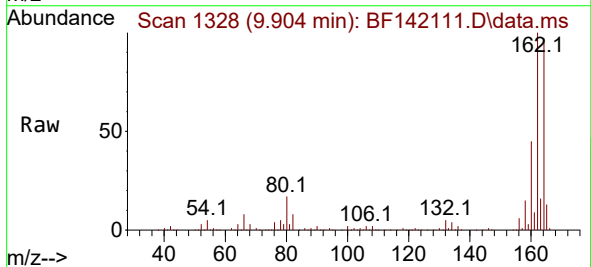
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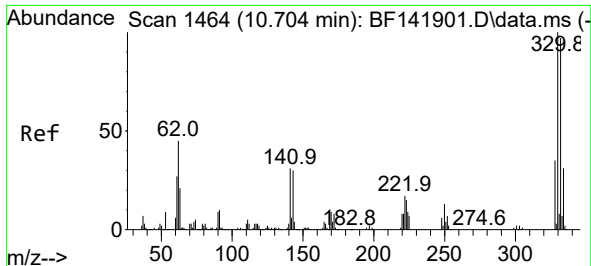
Tgt Ion: 82 Resp: 599331
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

Tgt Ion: 164 Resp: 301770
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.6
160 46.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 80.997 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142111.D

Acq: 26 Mar 2025 22:06

Instrument :

BNA_F

ClientSampleId :

364

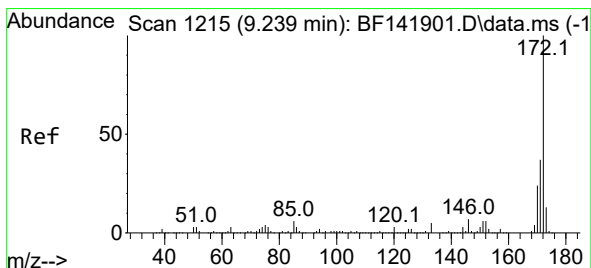
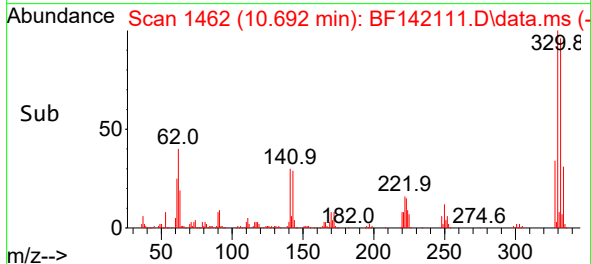
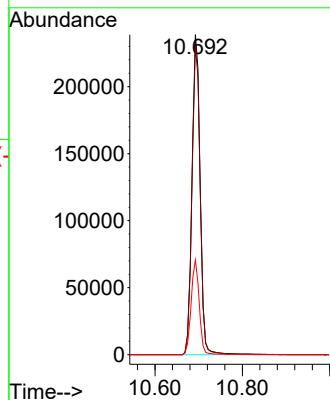
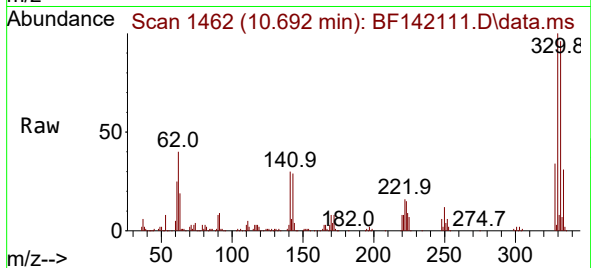
Tgt Ion:330 Resp: 310086

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 29.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 67.572 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142111.D

Acq: 26 Mar 2025 22:06

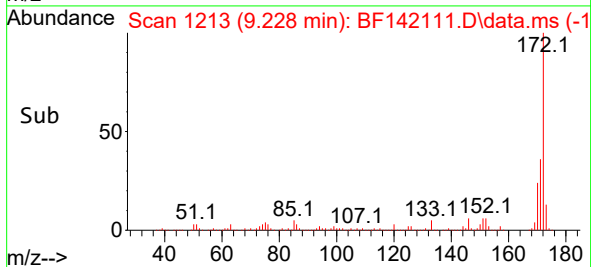
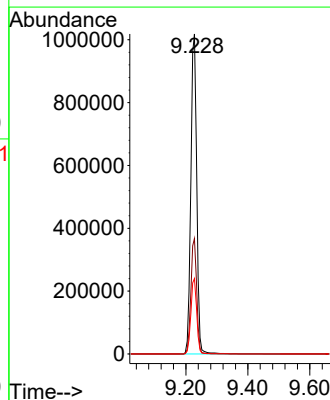
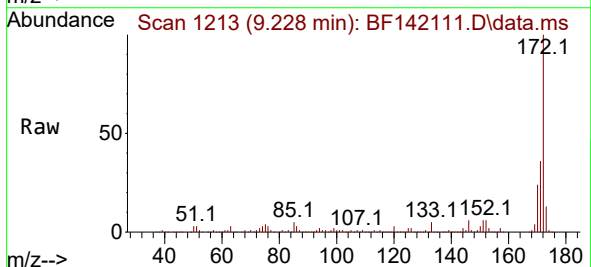
Tgt Ion:172 Resp: 1340804

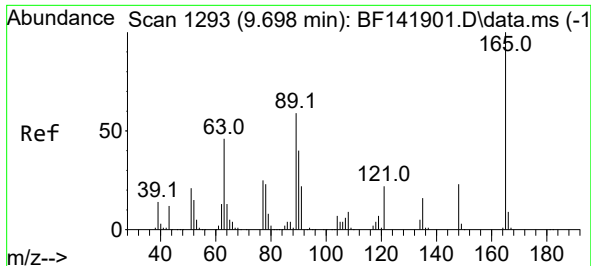
Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 23.6 19.4 29.0

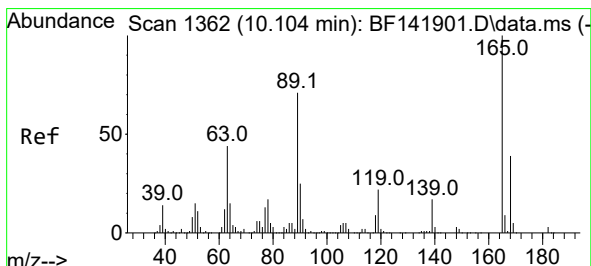
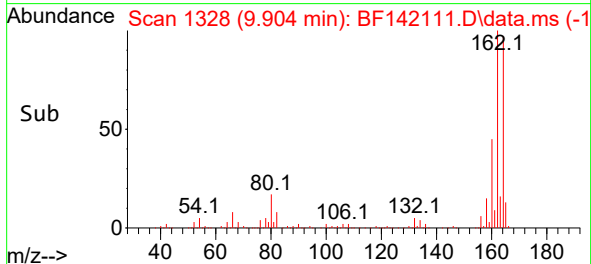
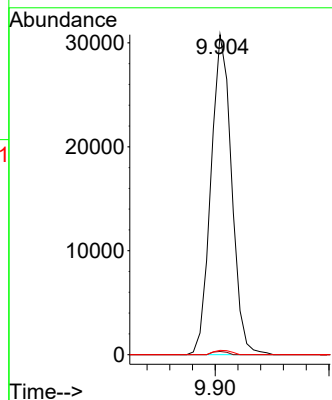
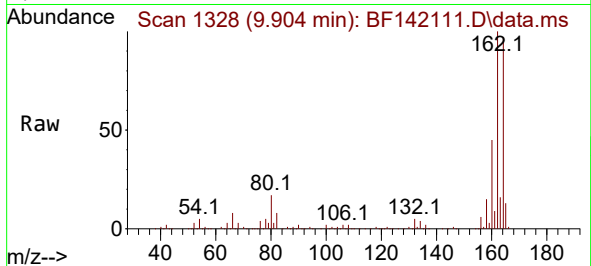




#51
2,6-Dinitrotoluene
Concen: 8.844 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

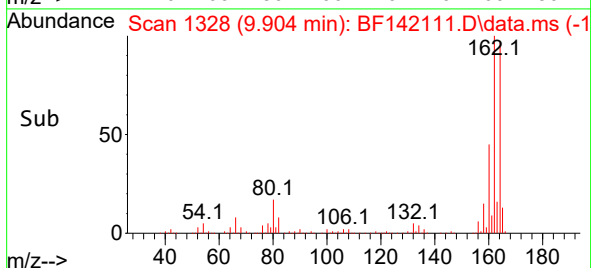
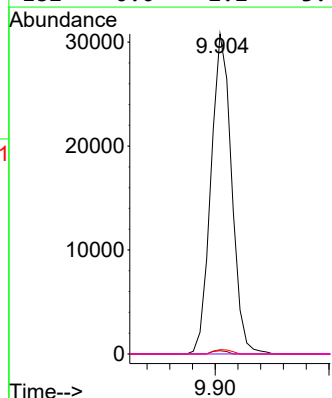
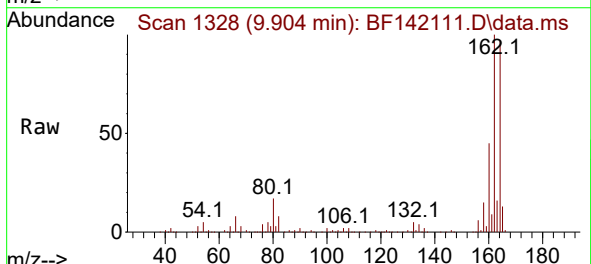
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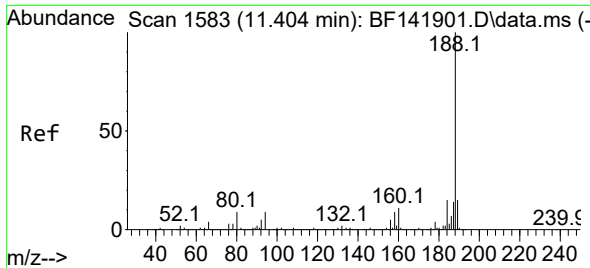
Tgt Ion:165 Resp: 38911
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.771 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

Tgt Ion:165 Resp: 38911
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#

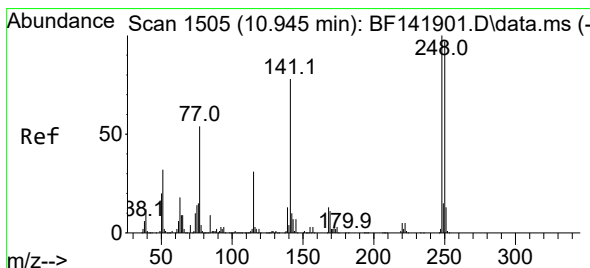
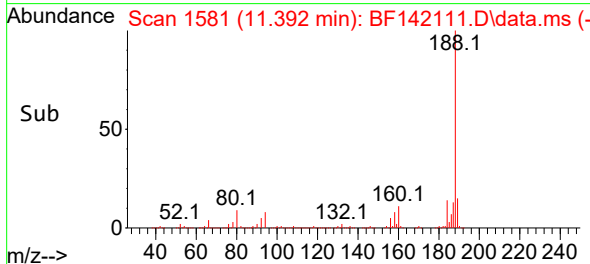
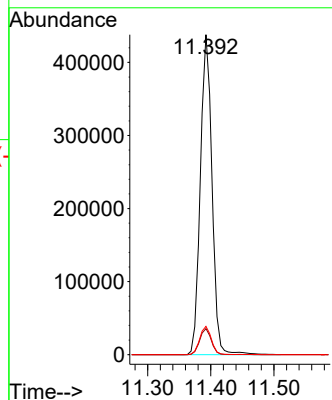
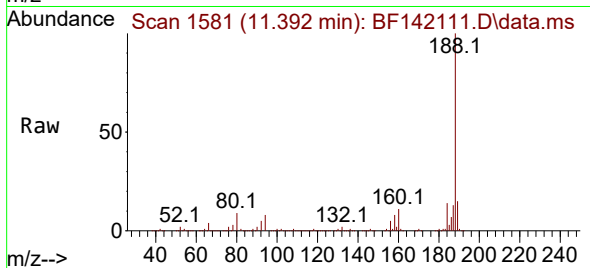




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

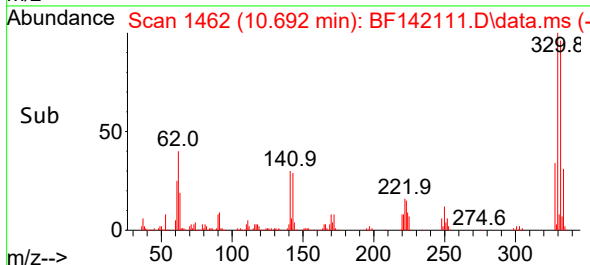
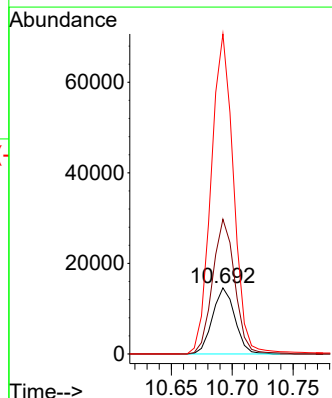
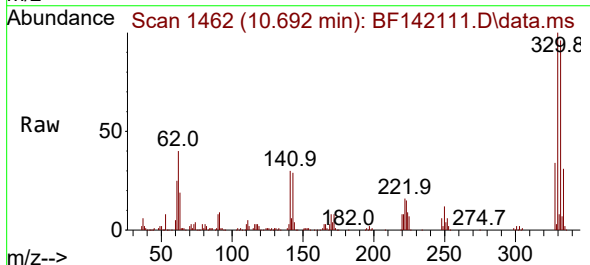
Instrument :
BNA_F
ClientSampleId :
364

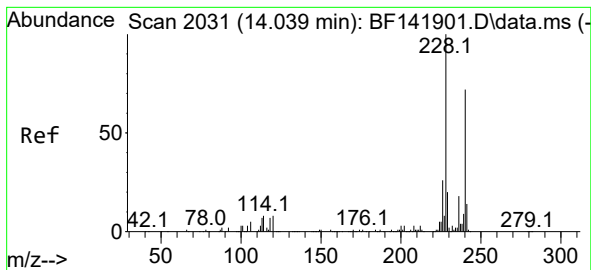
Tgt Ion:188 Resp: 561255
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 2.653 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

Tgt Ion:248 Resp: 18699
Ion Ratio Lower Upper
248 100
250 203.9 77.8 116.8#
141 484.3 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: BF142111.D

Acq: 26 Mar 2025 22:06

Instrument :

BNA_F

ClientSampleId :

364

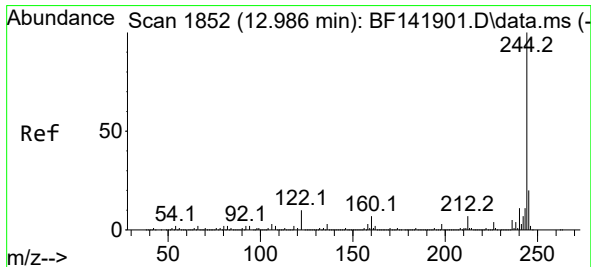
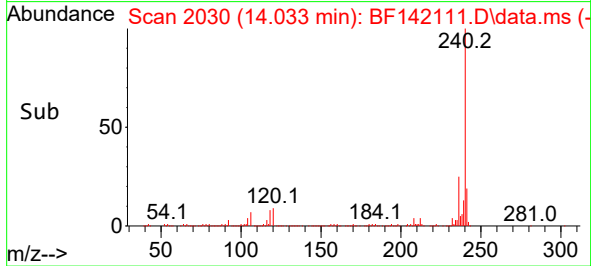
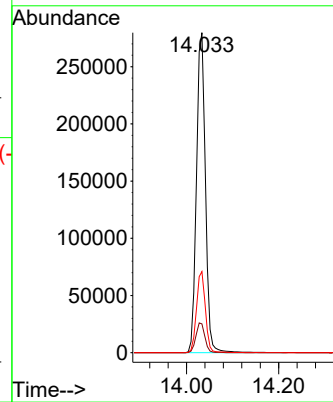
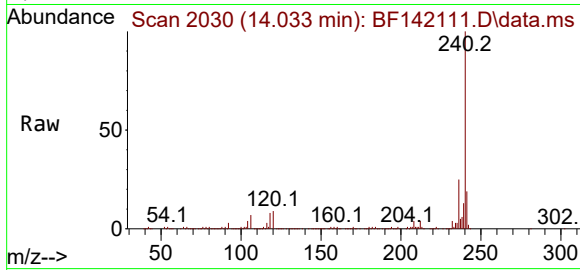
Tgt Ion:240 Resp: 375914

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.3 20.5 30.7



#79

Terphenyl-d14

Concen: 66.463 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142111.D

Acq: 26 Mar 2025 22:06

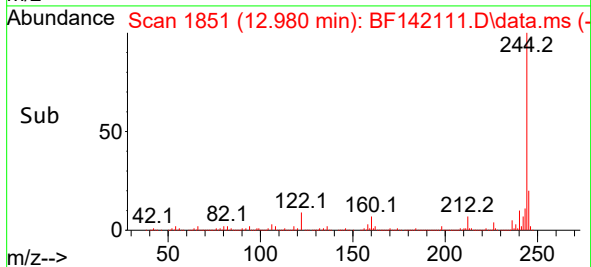
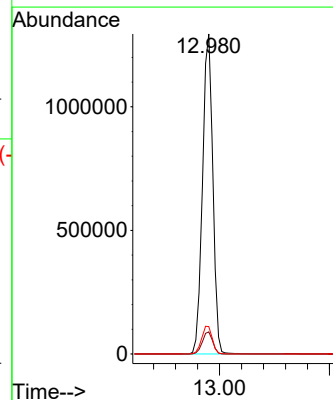
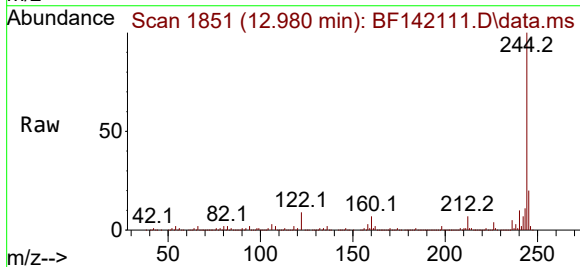
Tgt Ion:244 Resp: 1689887

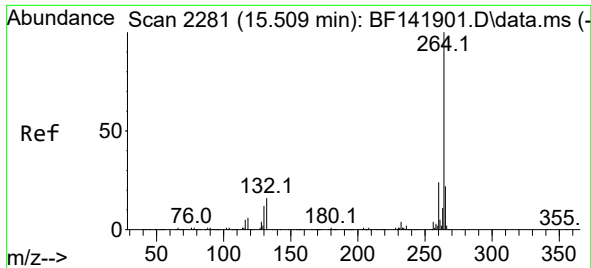
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

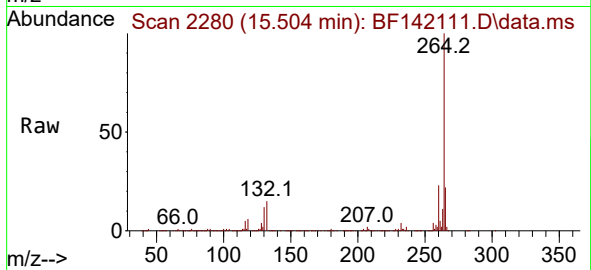
122 8.6 7.7 11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142111.D
Acq: 26 Mar 2025 22:06

Instrument :
BNA_F
ClientSampleId :
364



Tgt Ion:264 Resp: 375596
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.5 17.5 26.3

