

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142610.D
 Acq On : 04 Jun 2025 16:47
 Operator : RC/JU
 Sample : Q2159-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 04 17:15:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

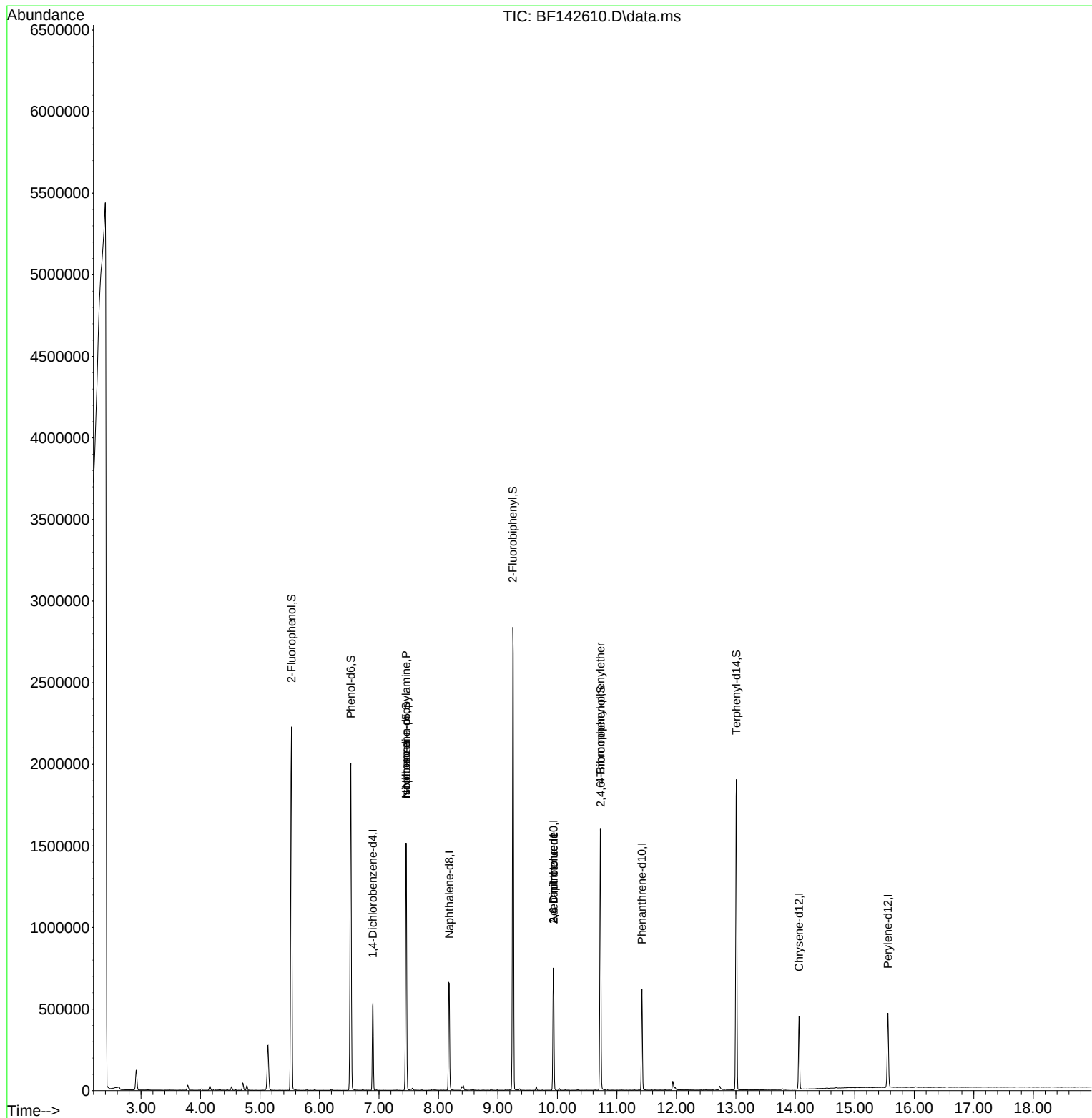
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	119569	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	447108	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	223039	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	318903	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	218605	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	273325	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	892050	125.692	ng	0.01
7) Phenol-d6	6.528	99	1028756	120.418	ng	0.00
23) Nitrobenzene-d5	7.457	82	669287	81.626	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	292293	118.077	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1319056	79.358	ng	-0.02
79) Terphenyl-d14	13.010	244	953866	59.628	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	88078	16.635	ng	# 77
25) Isophorone	7.457	82	629168	45.895	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	28032	8.825	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	28032	6.758	ng	# 28
67) 4-Bromophenyl-phenylether	10.722	248	18382	4.875	ng	# 1

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

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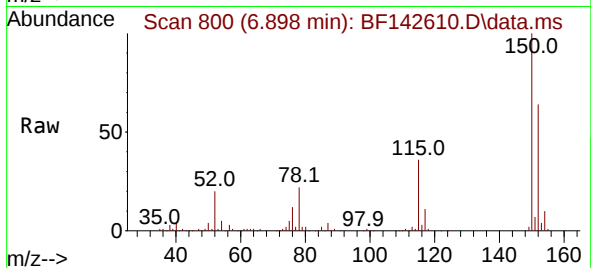
Quant Time: Jun 04 17:15:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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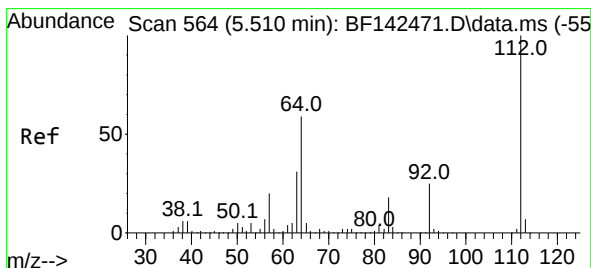
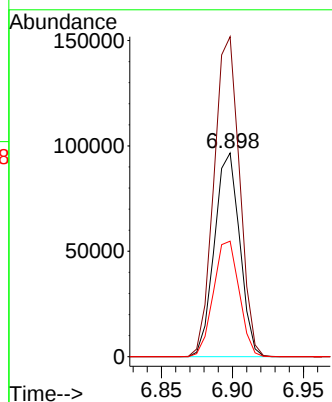
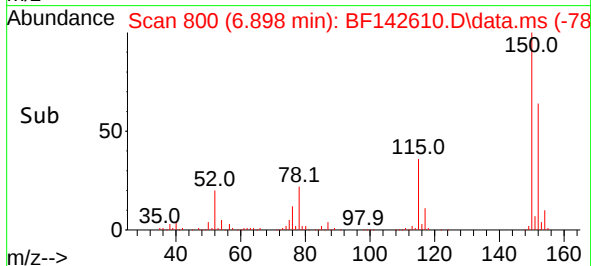


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

Instrument :
BNA_F
ClientSampleId :

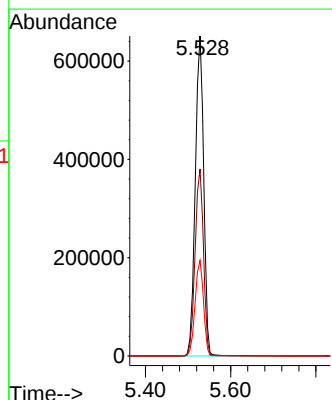
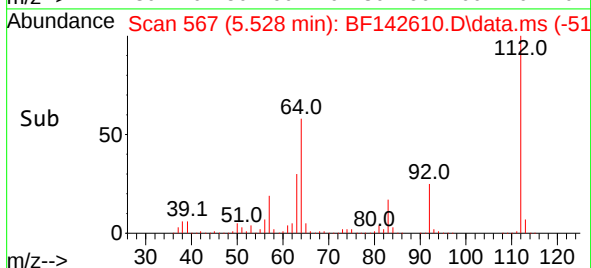
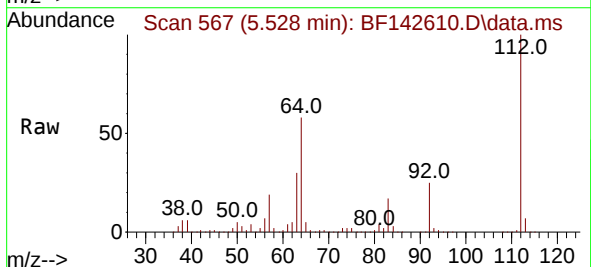


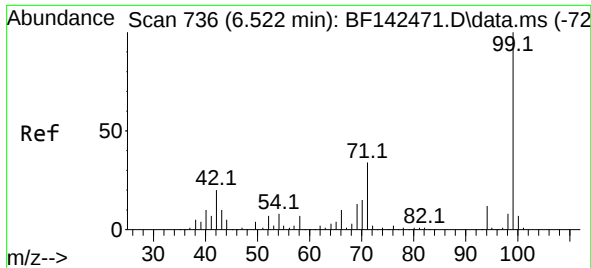
Tgt Ion:152 Resp: 119569
Ion Ratio Lower Upper
152 100
150 157.1 128.2 192.4
115 56.7 48.3 72.5



#5
2-Fluorophenol
Concen: 125.692 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

Tgt Ion:112 Resp: 892050
Ion Ratio Lower Upper
112 100
64 58.4 47.5 71.3
63 29.9 24.9 37.3

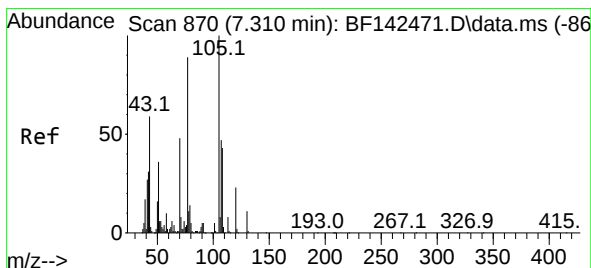
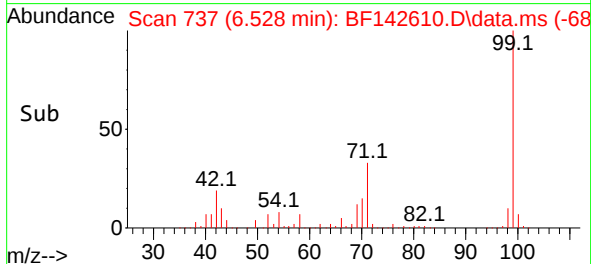
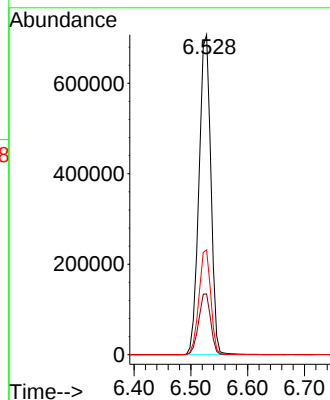
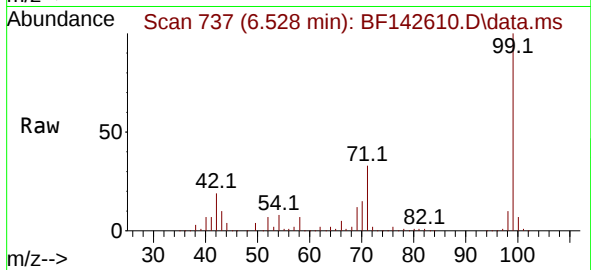




#7
Phenol-d6
Concen: 120.418 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

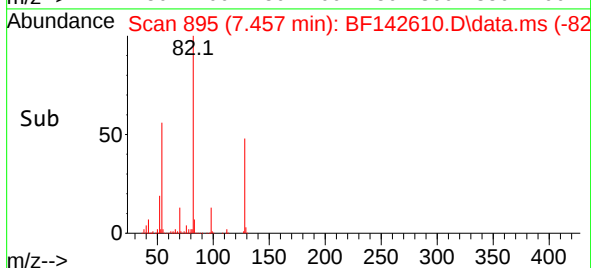
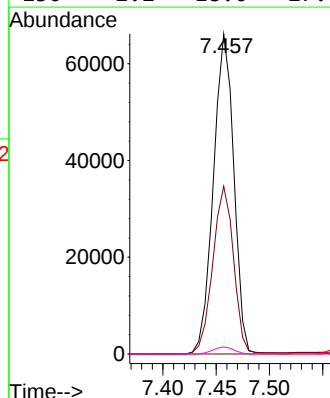
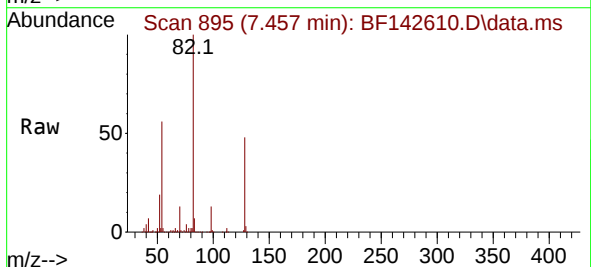
Instrument :
BNA_F
ClientSampleId :

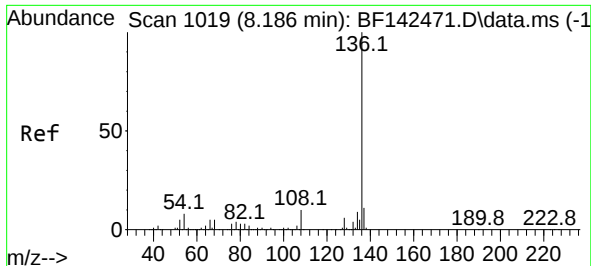
Tgt Ion: 99 Resp: 1028756
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.635 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

Tgt Ion: 70 Resp: 88078
Ion Ratio Lower Upper
70 100
42 52.4 52.4 78.6
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

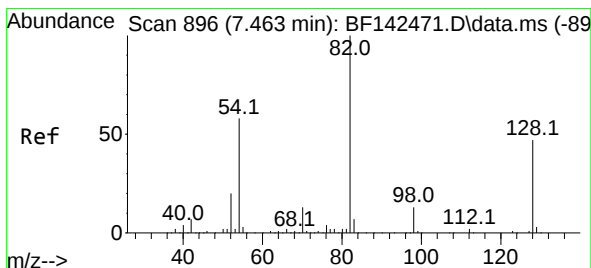
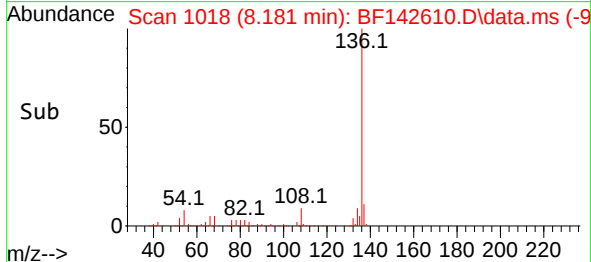
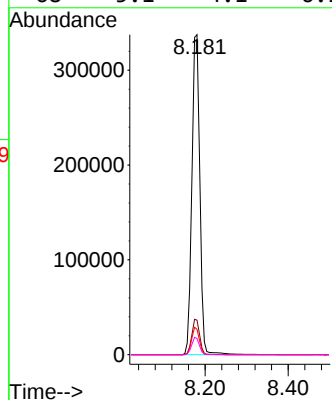
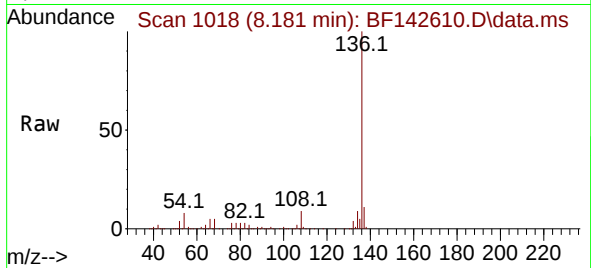




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

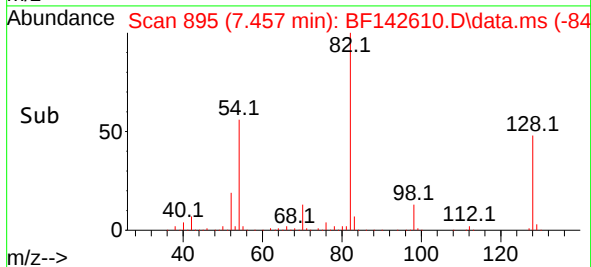
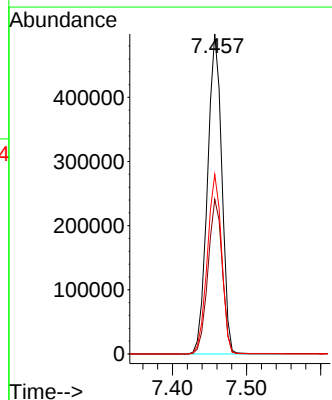
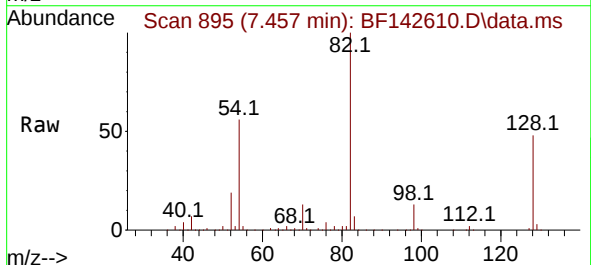
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 447108
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.0 6.6 10.0
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 81.626 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

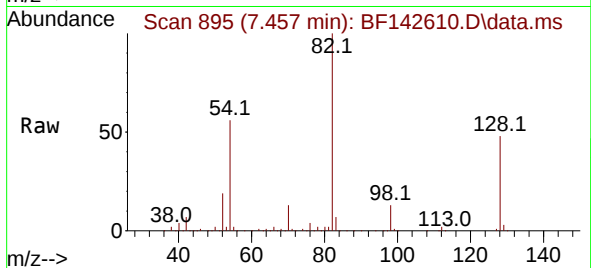
Tgt Ion: 82 Resp: 669287
Ion Ratio Lower Upper
82 100
128 48.3 37.4 56.2
54 56.1 46.6 70.0



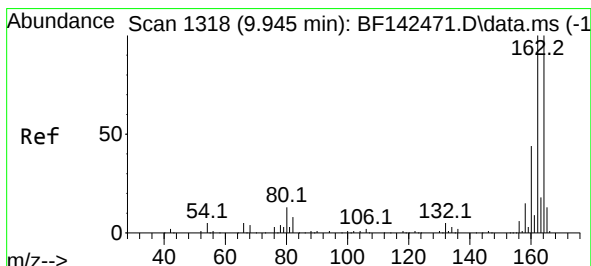
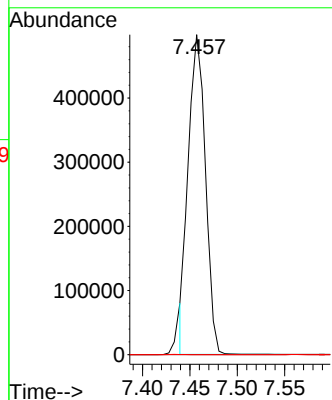
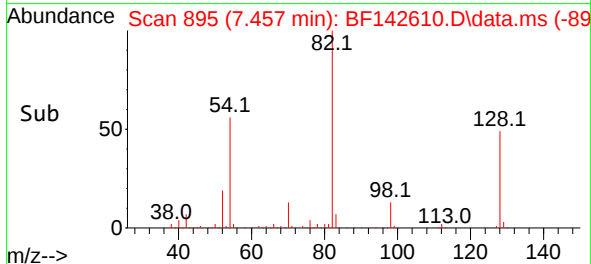


#25
Isophorone
Concen: 45.895 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

Instrument :
BNA_F
ClientSampleId :

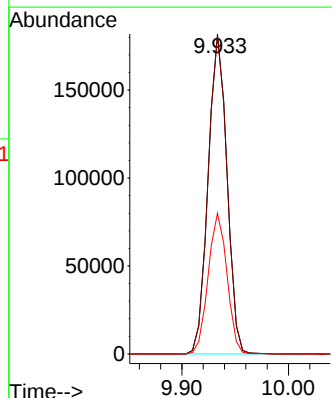
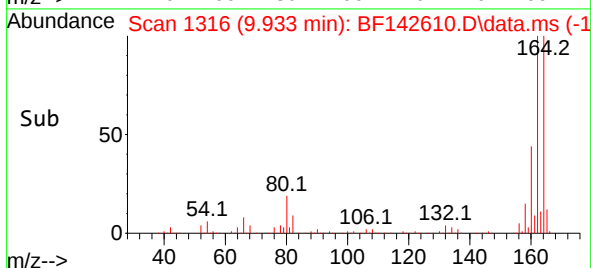
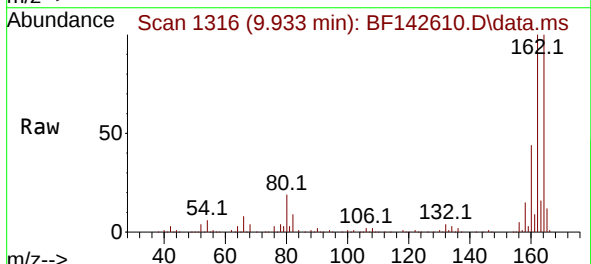


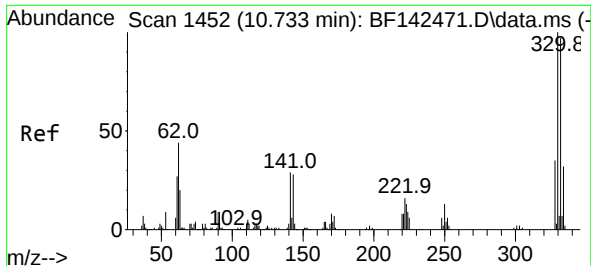
Tgt Ion: 82 Resp: 629168
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

Tgt Ion:164 Resp: 223039
Ion Ratio Lower Upper
164 100
162 99.5 80.2 120.4
160 44.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 118.077 ng

RT: 10.727 min Scan# 14

Delta R.T. -0.012 min

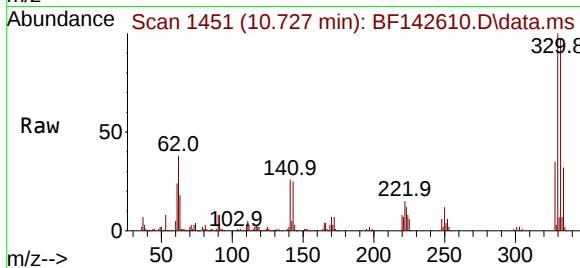
Lab File: BF142610.D

Acq: 04 Jun 2025 16:47

Instrument :

BNA_F

ClientSampleId :



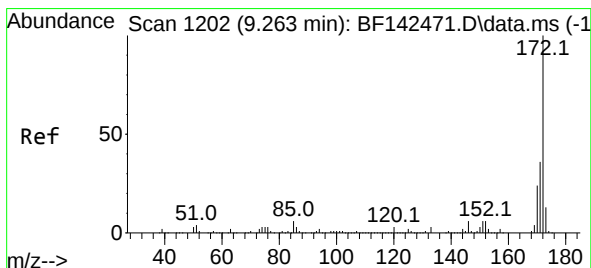
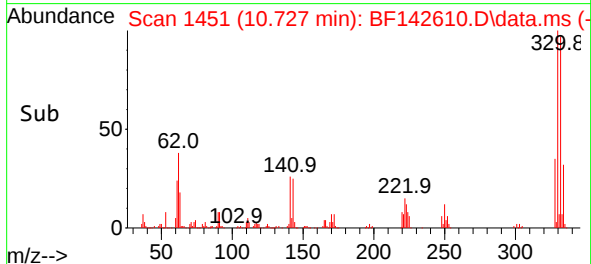
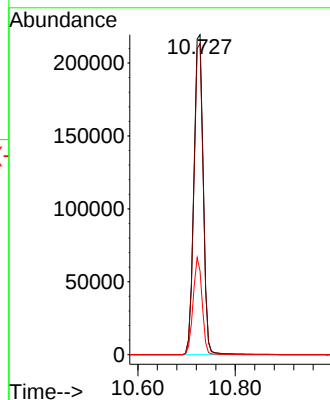
Tgt Ion:330 Resp: 292293

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 29.2 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 79.358 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142610.D

Acq: 04 Jun 2025 16:47

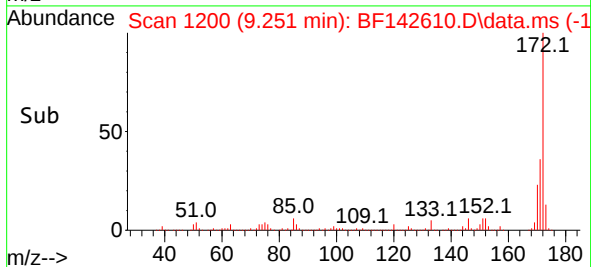
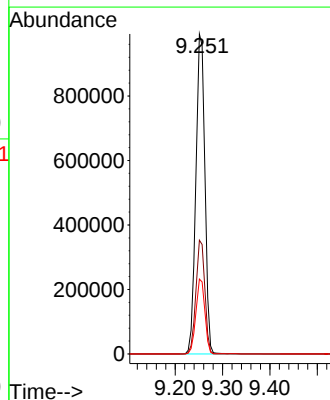
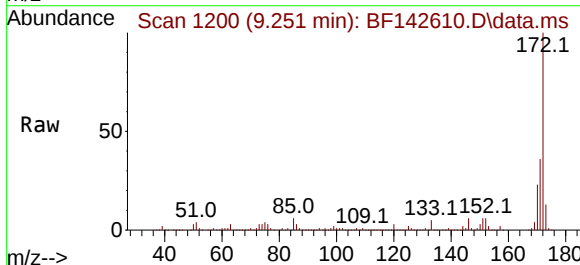
Tgt Ion:172 Resp: 1319056

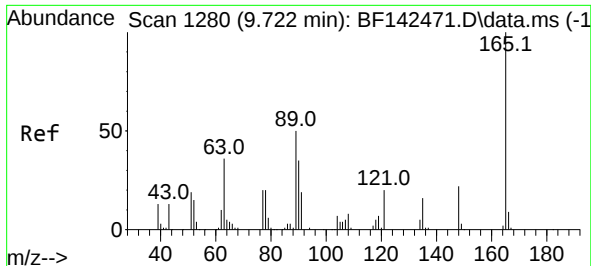
Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.4 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.825 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142610.D

Acq: 04 Jun 2025 16:47

Instrument :

BNA_F

ClientSampleId :

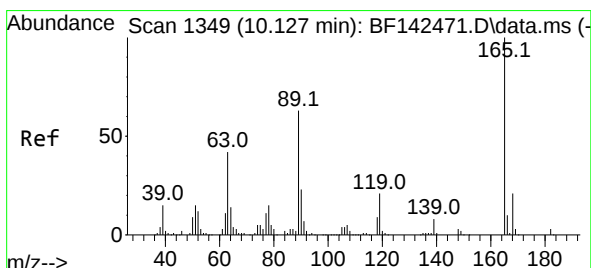
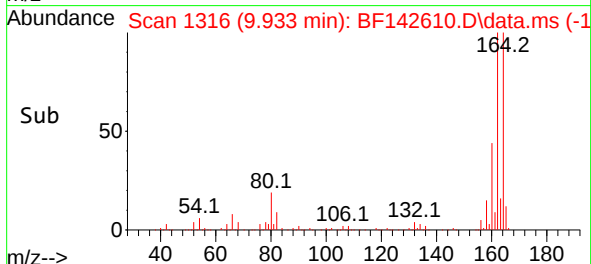
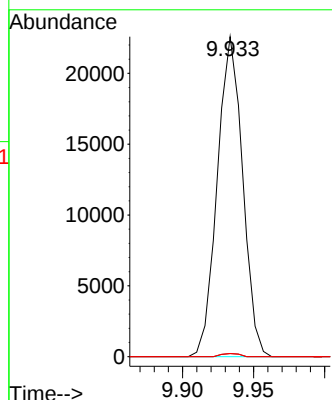
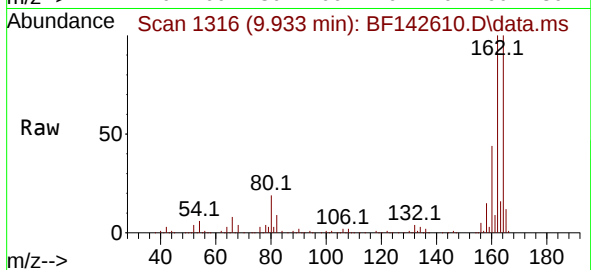
Tgt Ion:165 Resp: 28032

Ion Ratio Lower Upper

165 100

63 0.9 42.9 64.3#

89 1.0 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.758 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142610.D

Acq: 04 Jun 2025 16:47

Tgt Ion:165 Resp: 28032

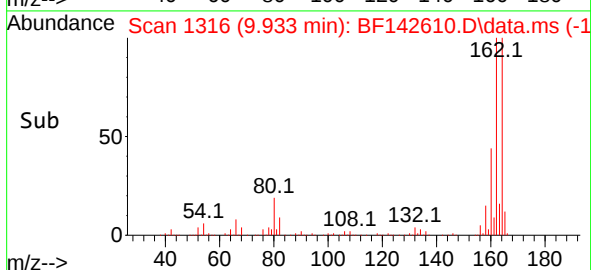
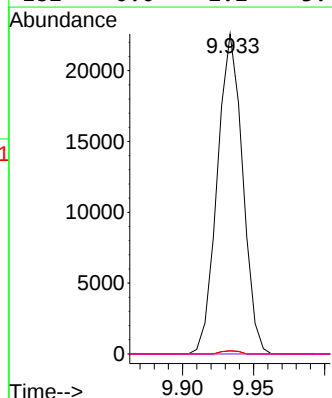
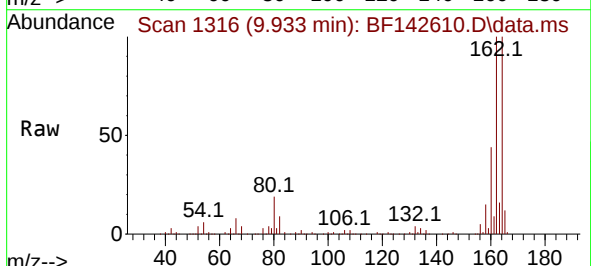
Ion Ratio Lower Upper

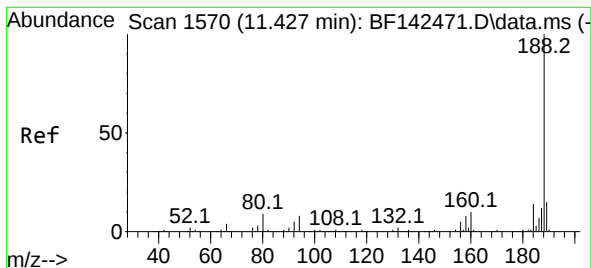
165 100

63 0.9 33.6 50.4#

89 1.0 50.2 75.4#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142610.D

Acq: 04 Jun 2025 16:47

Instrument :

BNA_F

ClientSampleId :

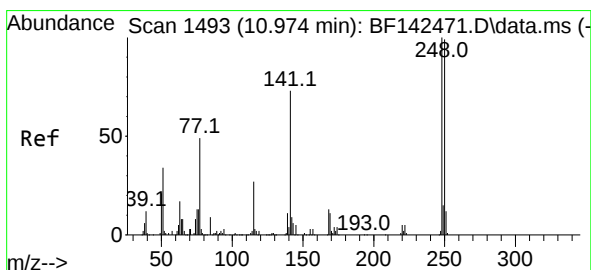
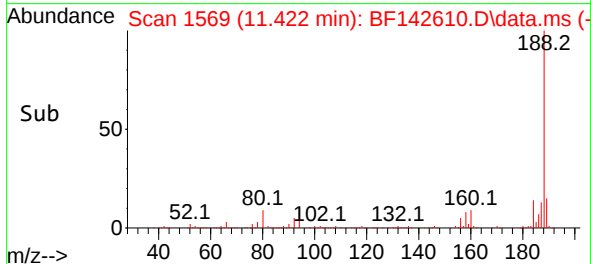
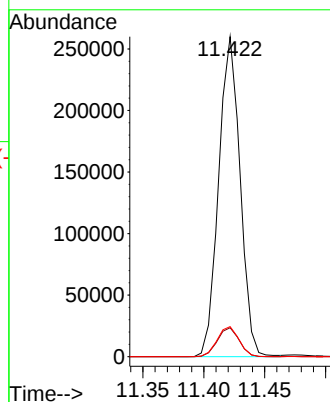
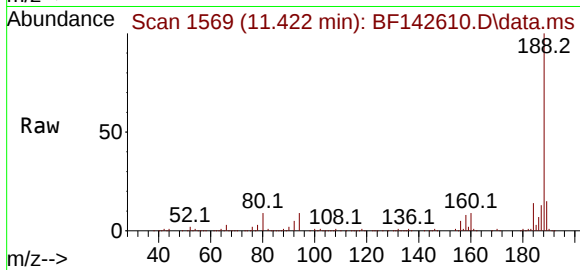
Tgt Ion:188 Resp: 318903

Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.4 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.875 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF142610.D

Acq: 04 Jun 2025 16:47

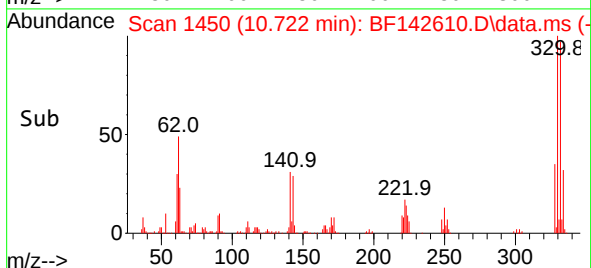
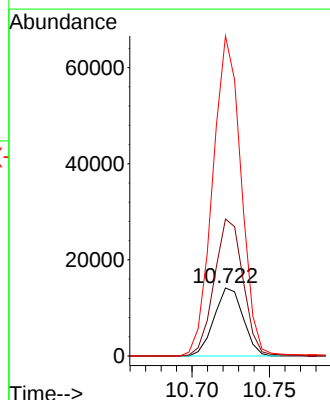
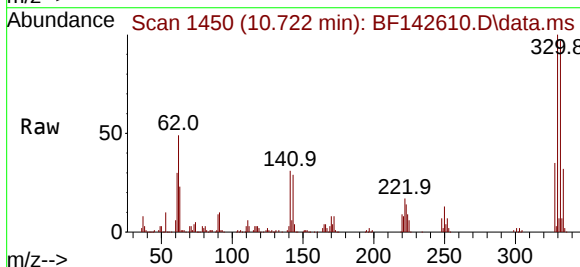
Tgt Ion:248 Resp: 18382

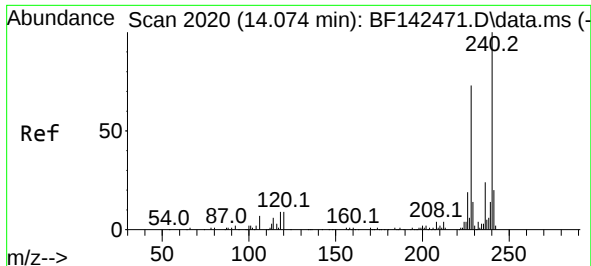
Ion Ratio Lower Upper

248 100

250 201.3 79.0 118.4#

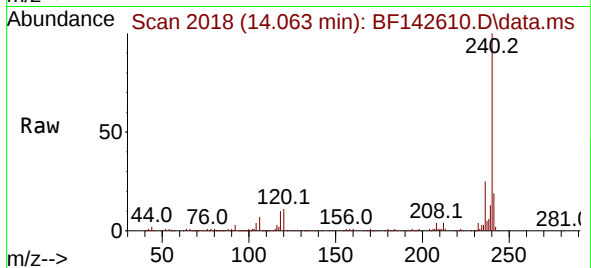
141 470.3 58.4 87.6#



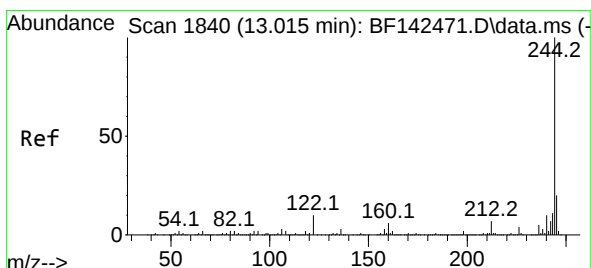
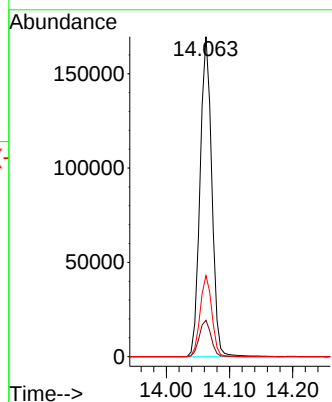
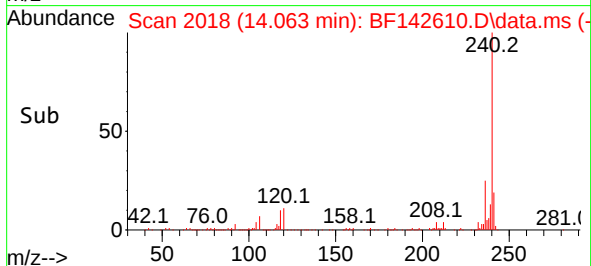


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47

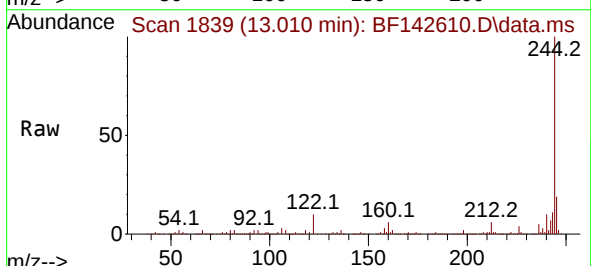
Instrument :
BNA_F
ClientSampleId :



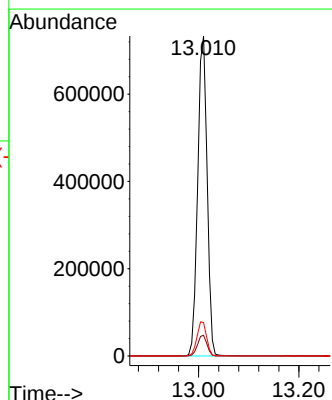
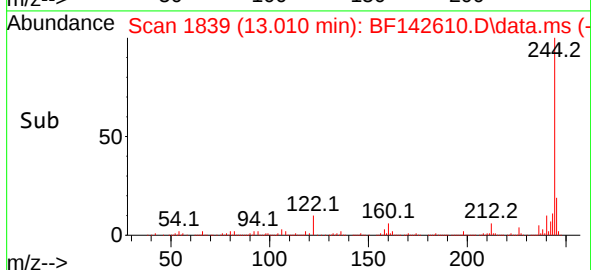
Tgt Ion:240 Resp: 218605
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 25.4 19.6 29.4

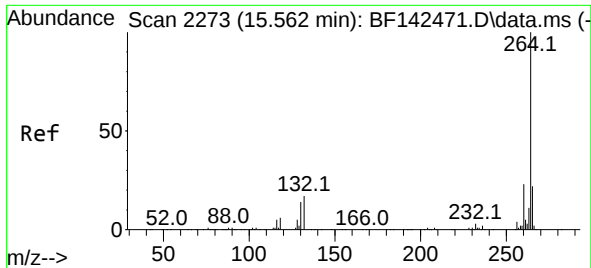


#79
Terphenyl-d14
Concen: 59.628 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142610.D
Acq: 04 Jun 2025 16:47



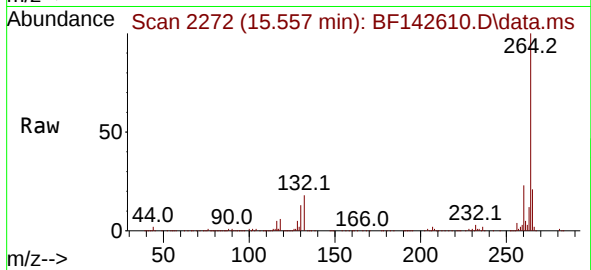
Tgt Ion:244 Resp: 953866
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 10.5 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142610.D
 Acq: 04 Jun 2025 16:47

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264 Resp: 273325
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.3 17.7 26.5

