

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142641.D
 Acq On : 06 Jun 2025 12:06
 Operator : RC/JU
 Sample : PB168259BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168259BL

Quant Time: Jun 06 12:59:49 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)

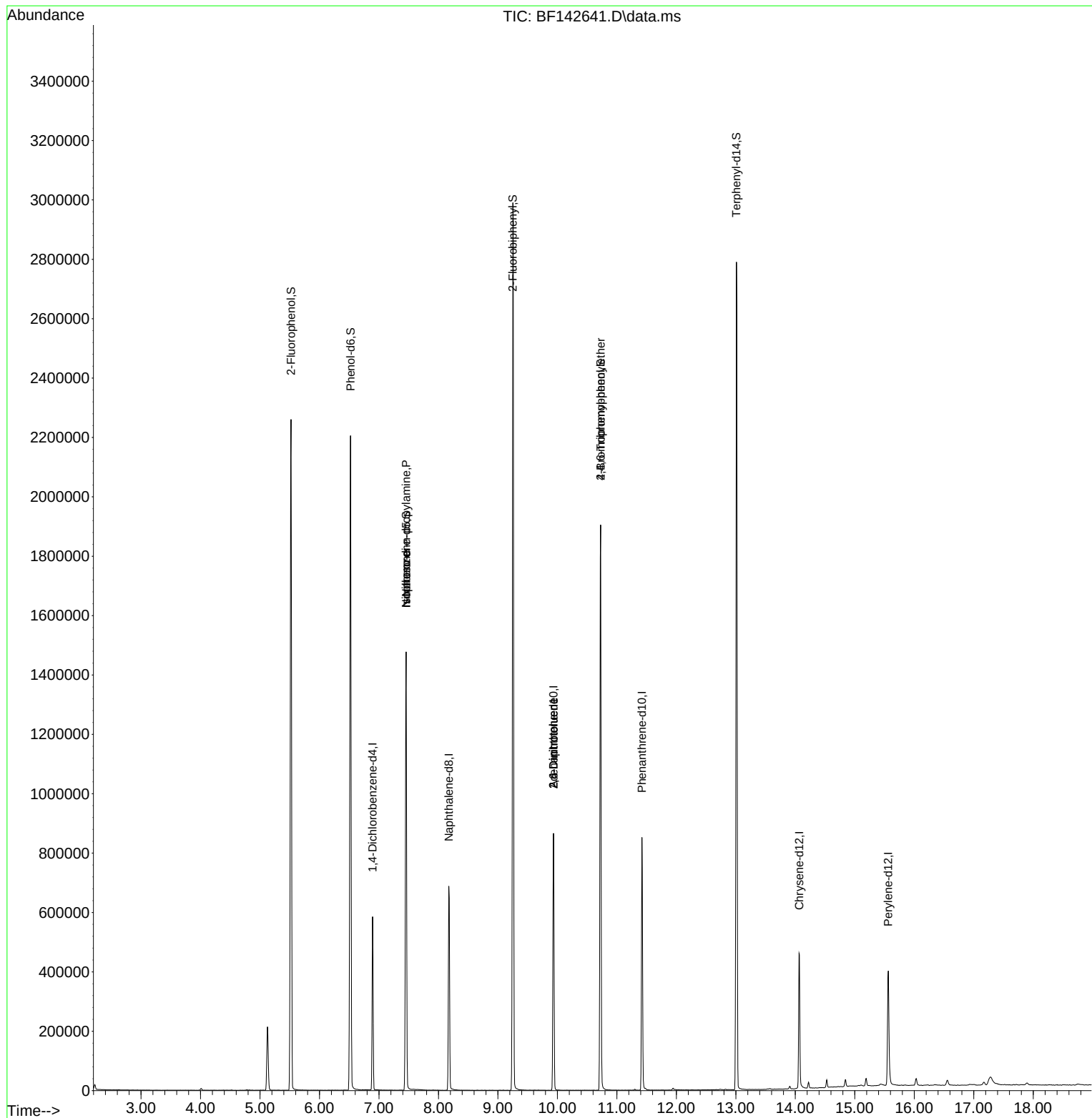
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	125991	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	479451	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	262840	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	462327	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	248067	20.000	ng	0.00
86) Perylene-d12	15.562	264	250839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	927476	124.022	ng	0.00
7) Phenol-d6	6.522	99	1134159	125.989	ng	-0.01
23) Nitrobenzene-d5	7.457	82	686957	78.129	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	369629	126.707	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1457548	74.411	ng	-0.02
79) Terphenyl-d14	13.010	244	1432929	78.937	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	91550	16.409	ng	# 75
25) Isophorone	7.457	82	663830	45.156	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	33868	9.048	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	33868	6.928	ng	# 28
67) 4-Bromophenyl-phenylether	10.727	248	22557	4.126	ng	# 1

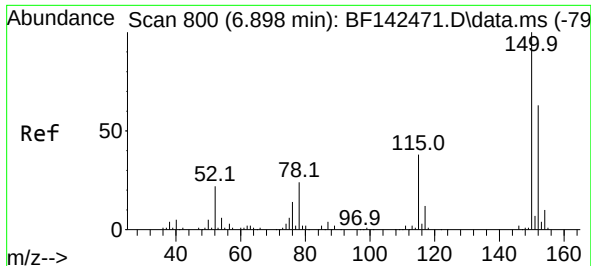
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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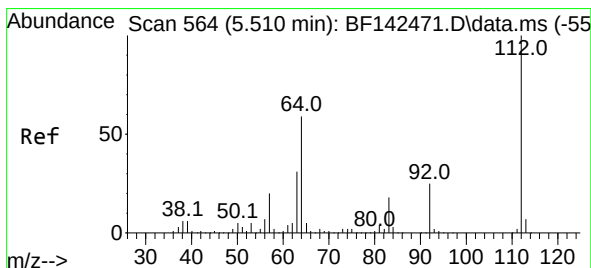
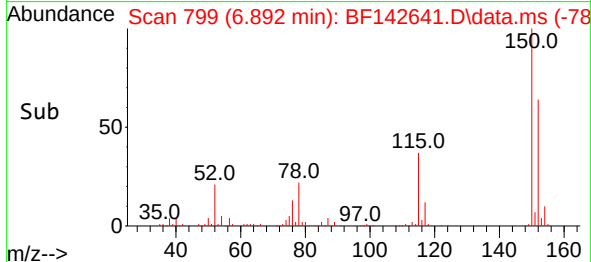
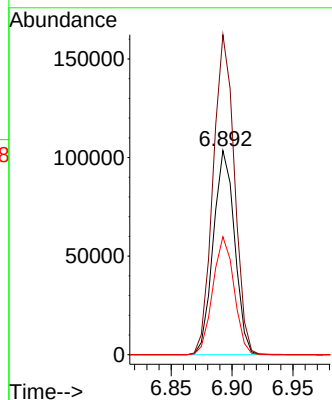
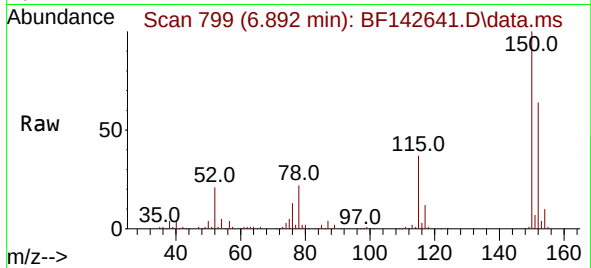




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF142641.D
 Acq: 06 Jun 2025 12:06

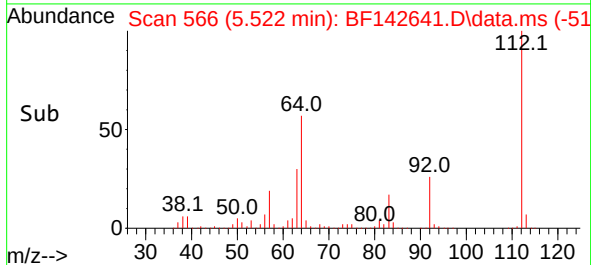
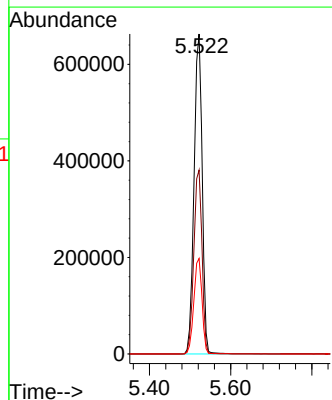
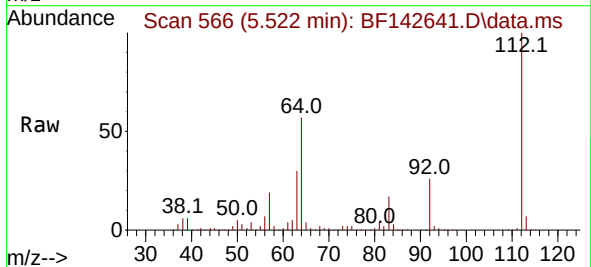
Instrument :
 BNA_F
 ClientSampleId :
 PB168259BL

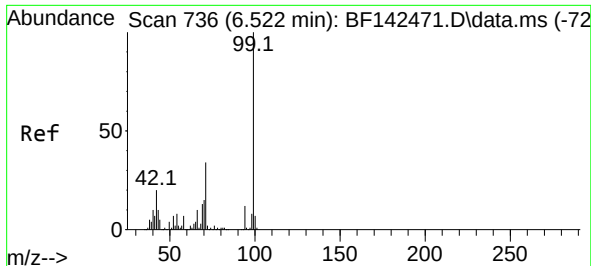
Tgt Ion:152 Resp: 125991
 Ion Ratio Lower Upper
 152 100
 150 156.7 128.2 192.4
 115 57.8 48.3 72.5



#5
 2-Fluorophenol
 Concen: 124.022 ng
 RT: 5.522 min Scan# 566
 Delta R.T. 0.006 min
 Lab File: BF142641.D
 Acq: 06 Jun 2025 12:06

Tgt Ion:112 Resp: 927476
 Ion Ratio Lower Upper
 112 100
 64 57.4 47.5 71.3
 63 29.8 24.9 37.3





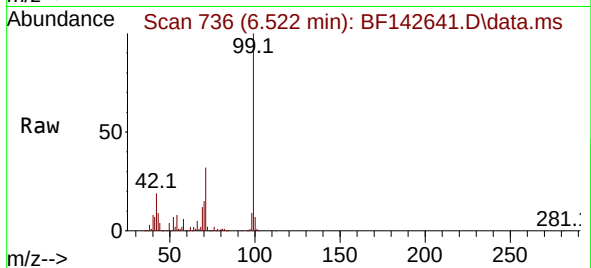
#7
Phenol-d6
Concen: 125.989 ng
RT: 6.522 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Instrument :

BNA_F

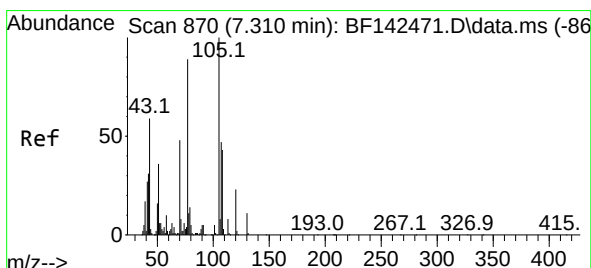
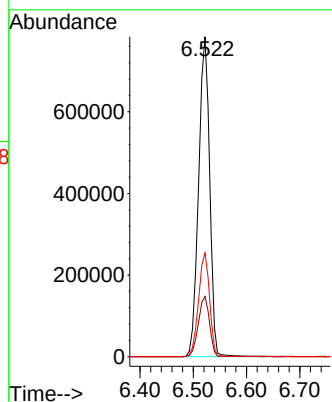
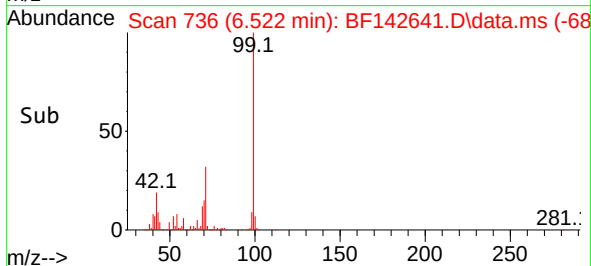
ClientSampleId :

PB168259BL

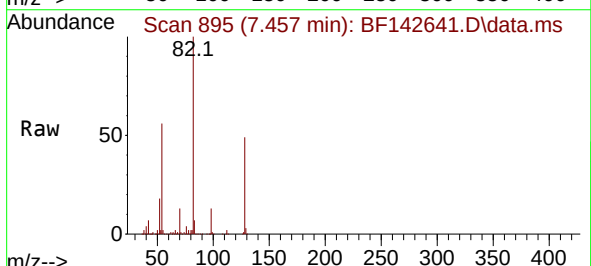


Tgt Ion: 99 Resp: 1134159

Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.2	24.2
71	32.5	27.3	40.9

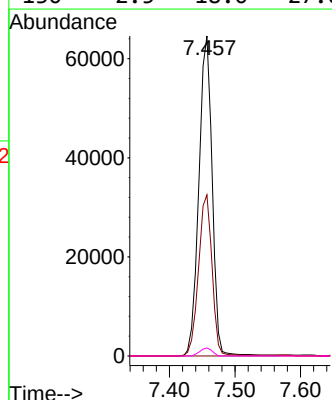
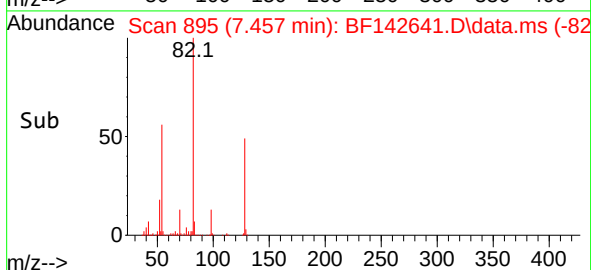


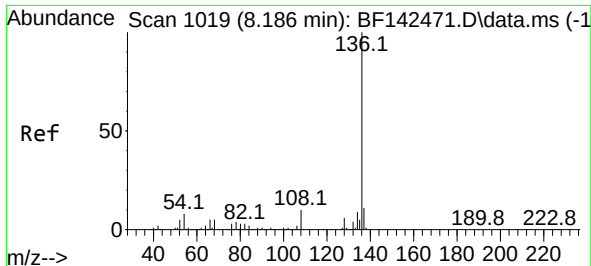
#19
n-Nitroso-di-n-propylamine
Concen: 16.409 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06



Tgt Ion: 70 Resp: 91550

Ion	Ratio	Lower	Upper
70	100		
42	50.3	52.4	78.6#
101	0.0	7.8	11.8#
130	2.5	18.0	27.0#

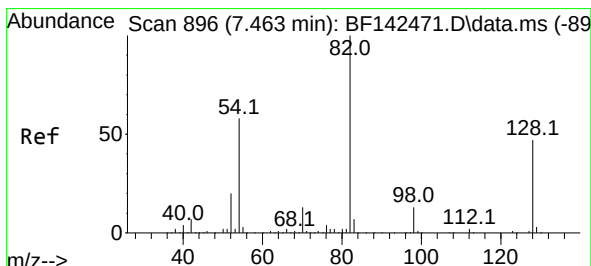
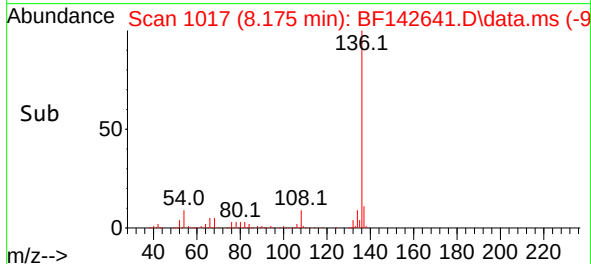
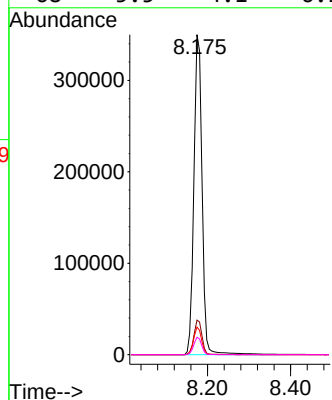
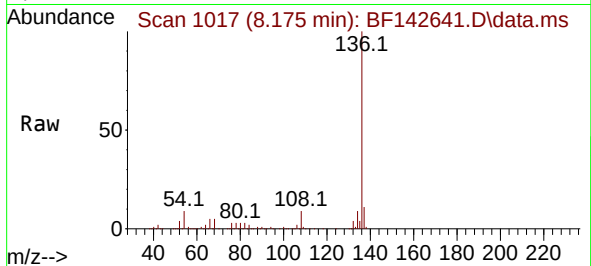




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

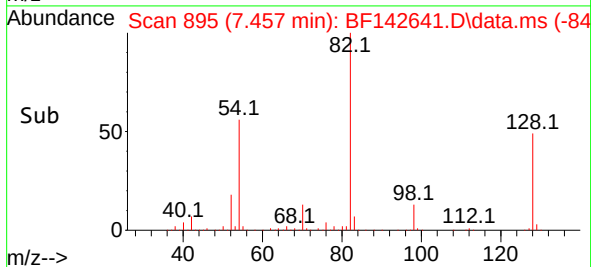
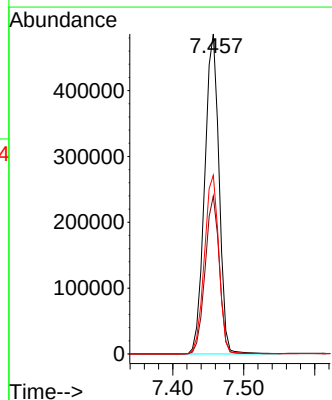
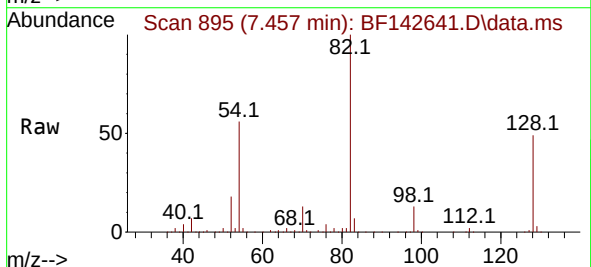
Instrument :
BNA_F
ClientSampleId :
PB168259BL

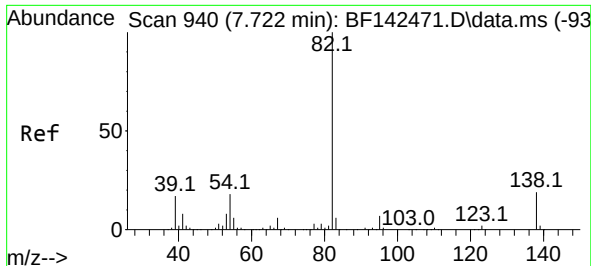
Tgt Ion:136 Resp: 479451
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 6.6 10.0
68 5.5 4.1 6.1



#23
Nitrobenzene-d5
Concen: 78.129 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion: 82 Resp: 686957
Ion Ratio Lower Upper
82 100
128 49.4 37.4 56.2
54 55.9 46.6 70.0

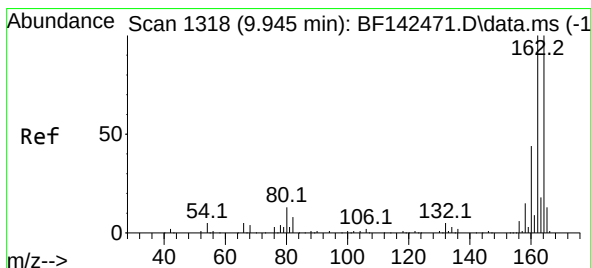
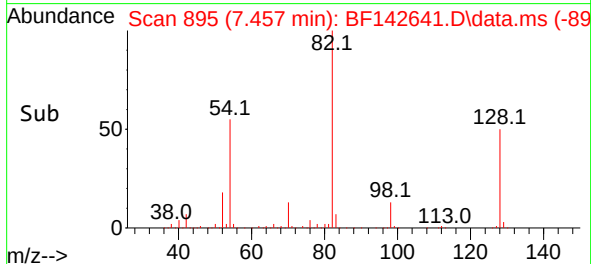
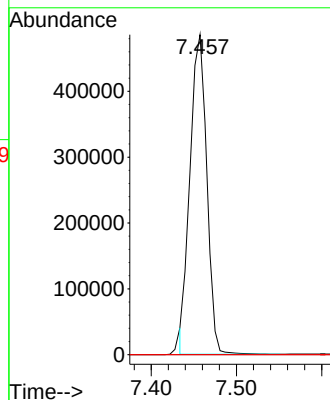
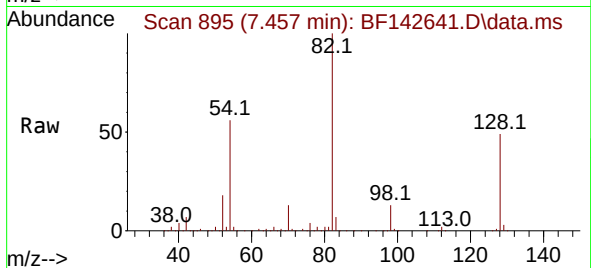




#25
Isophorone
Concen: 45.156 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

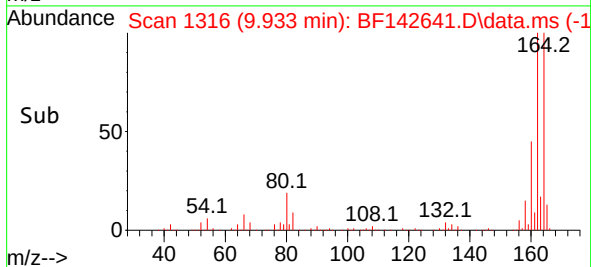
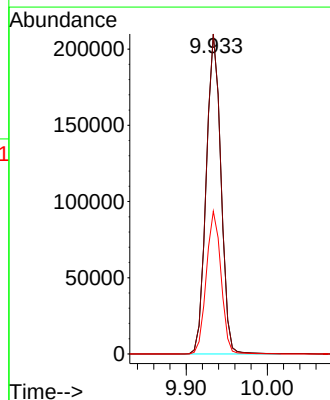
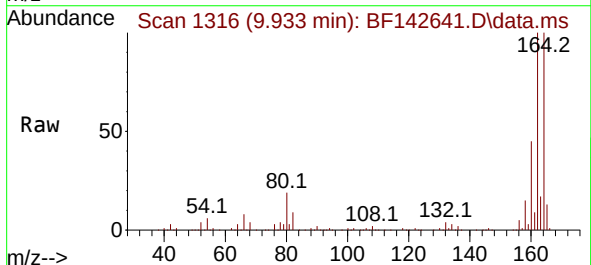
Instrument :
BNA_F
ClientSampleId :
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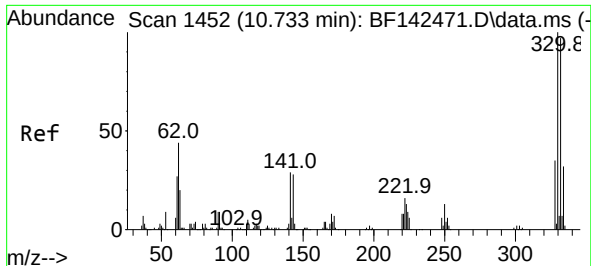
Tgt Ion: 82 Resp: 663830
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:164 Resp: 262840
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.4
160 44.7 35.6 53.4

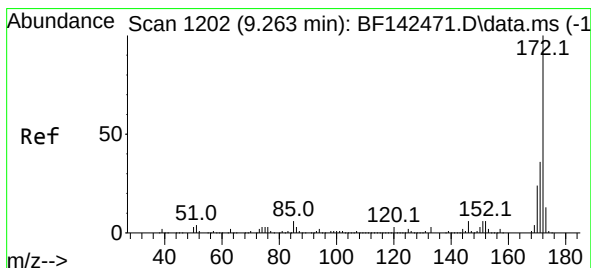
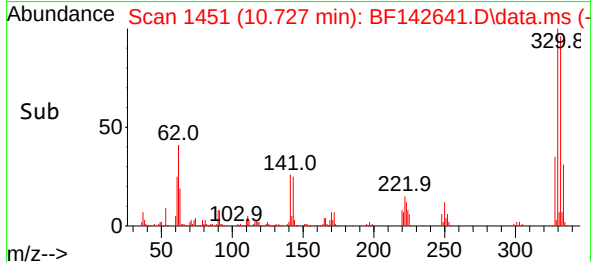
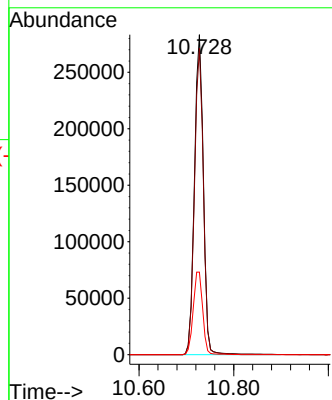
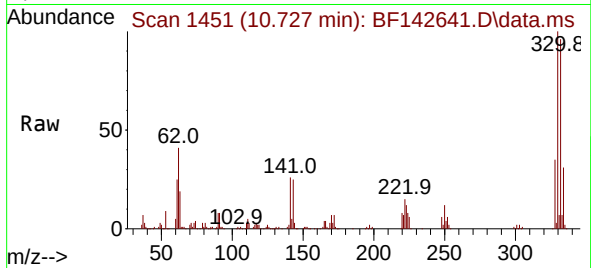




#42
2,4,6-Tribromophenol
Concen: 126.707 ng
RT: 10.727 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

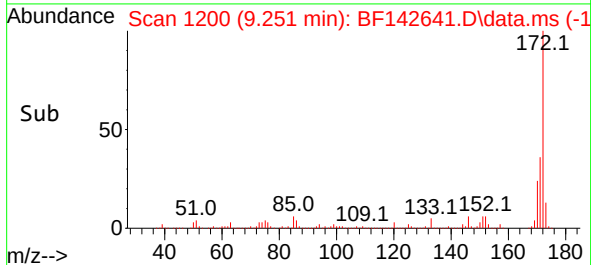
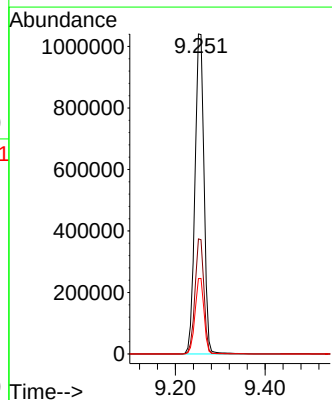
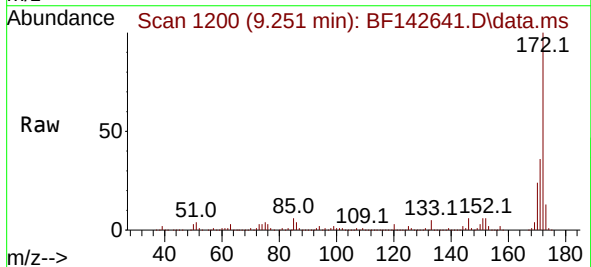
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PB168259BL

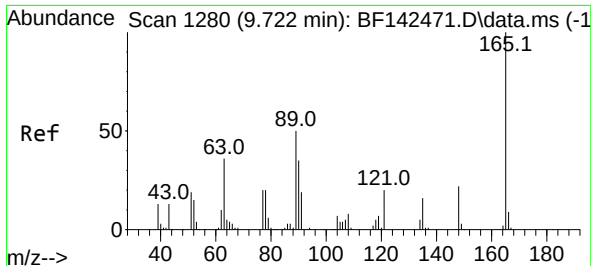
Tgt Ion:330 Resp: 369629
Ion Ratio Lower Upper
330 100
332 95.7 77.6 116.4
141 27.4 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 74.411 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:172 Resp: 1457548
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.6 18.9 28.3

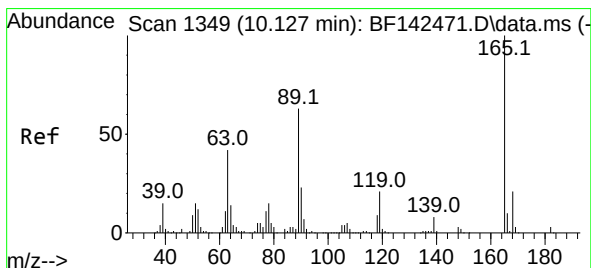
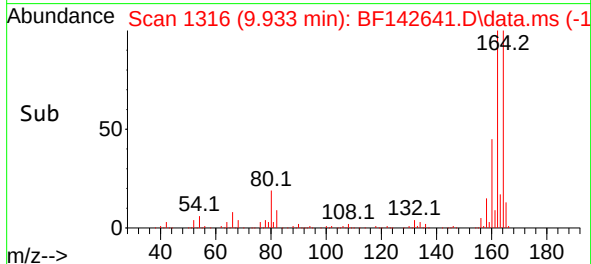
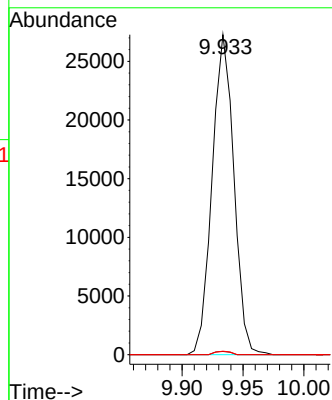
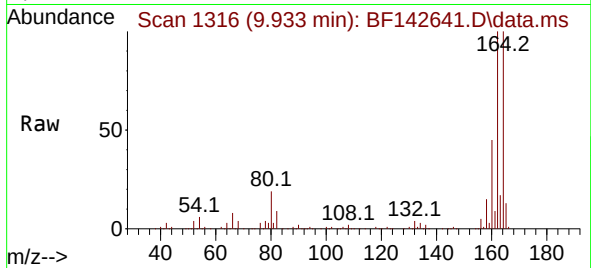




#51
2,6-Dinitrotoluene
Concen: 9.048 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

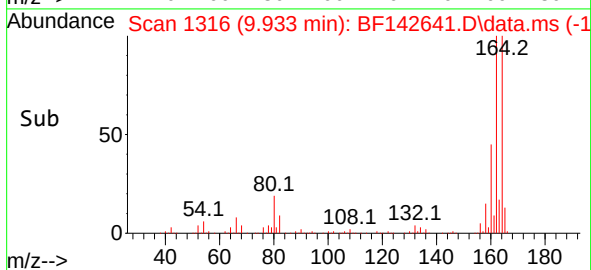
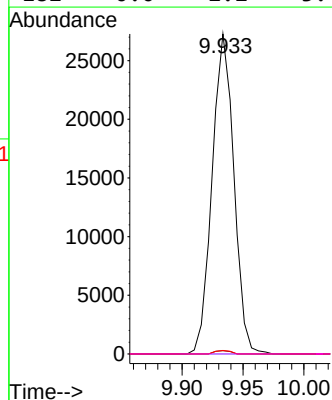
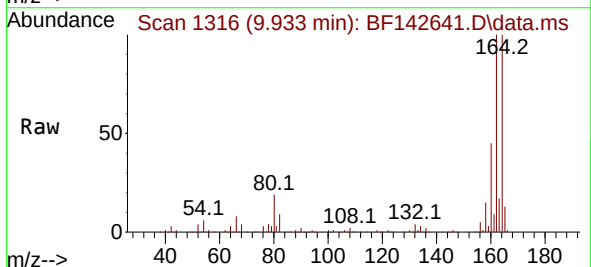
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ClientSampleId :
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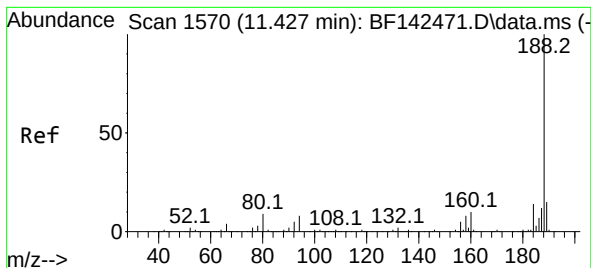
Tgt Ion:165 Resp: 33868
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.928 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion:165 Resp: 33868
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

Instrument :

BNA_F

ClientSampleId :

PB168259BL

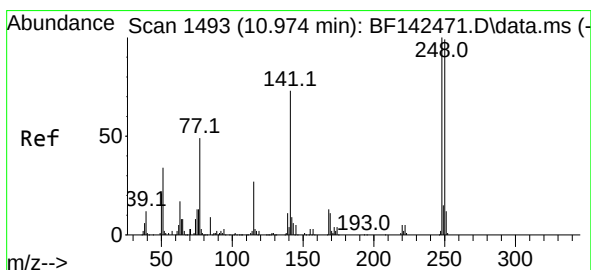
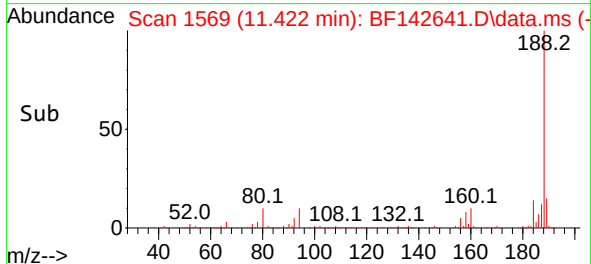
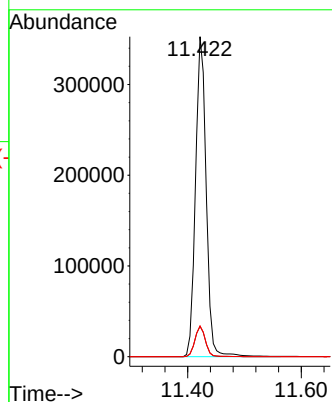
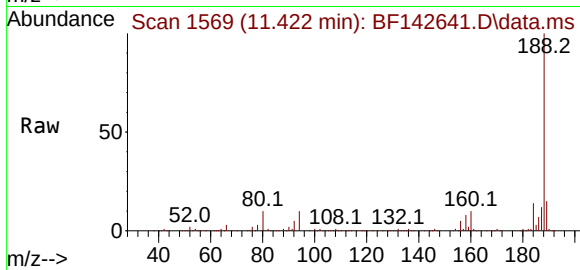
Tgt Ion:188 Resp: 462327

Ion Ratio Lower Upper

188 100

94 9.5 6.6 10.0

80 9.6 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.126 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.247 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

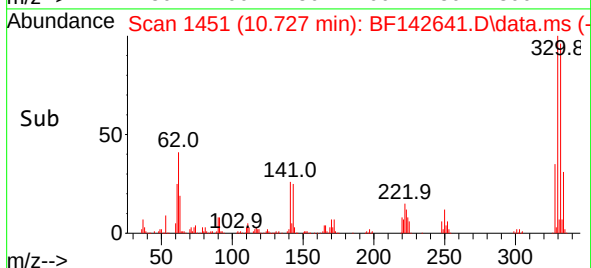
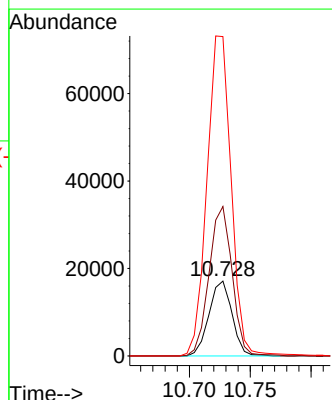
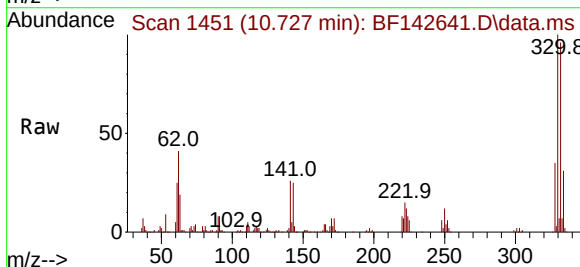
Tgt Ion:248 Resp: 22557

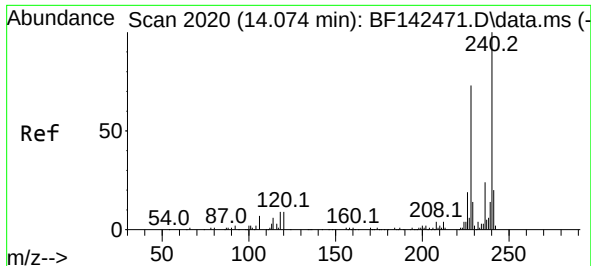
Ion Ratio Lower Upper

248 100

250 199.7 79.0 118.4#

141 426.6 58.4 87.6#

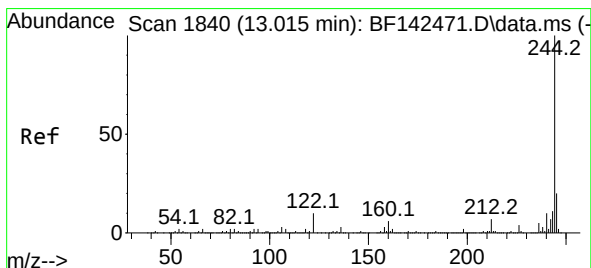
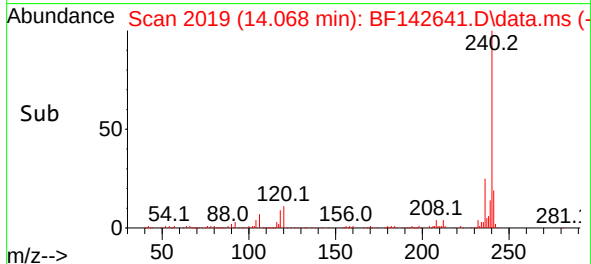
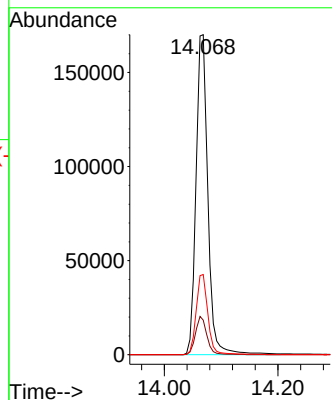
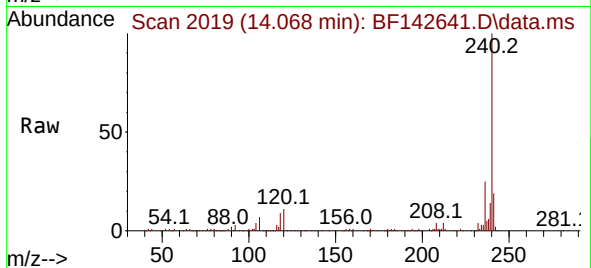




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

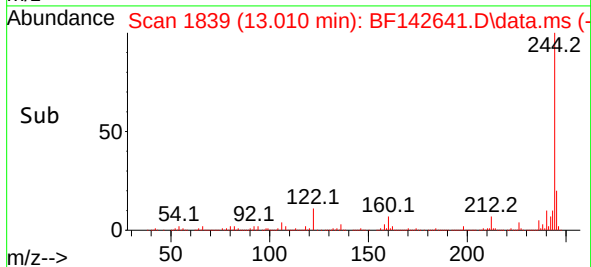
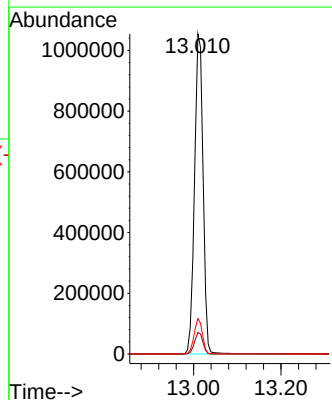
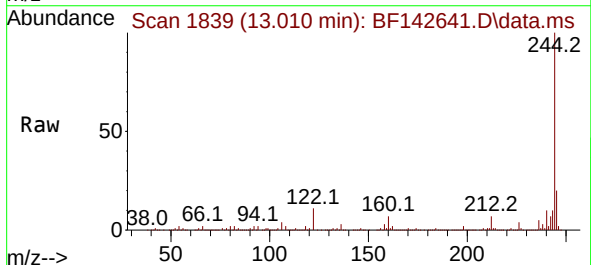
Instrument :
BNA_F
ClientSampleId :
PB168259BL

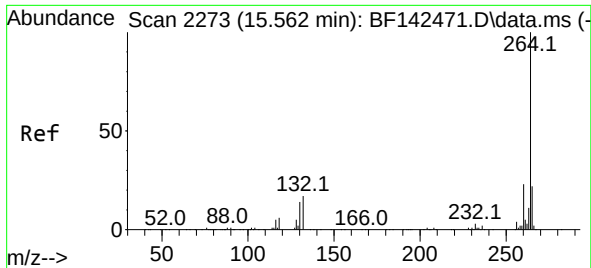
Tgt Ion:240 Resp: 248067
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.0 19.6 29.4



#79
Terphenyl-d14
Concen: 78.937 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

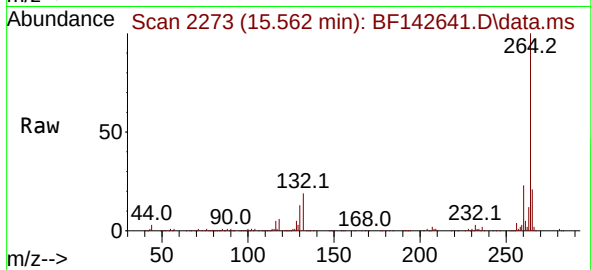
Tgt Ion:244 Resp: 1432929
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 11.1 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142641.D
 Acq: 06 Jun 2025 12:06

Instrument :
 BNA_F
 ClientSampleId :
 PB168259BL



Tgt Ion:264 Resp: 250839
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.3 17.7 26.5

