

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142661.D
 Acq On : 06 Jun 2025 22:31
 Operator : RC/JU
 Sample : Q2176-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-46

Quant Time: Jun 07 00:37:33 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)

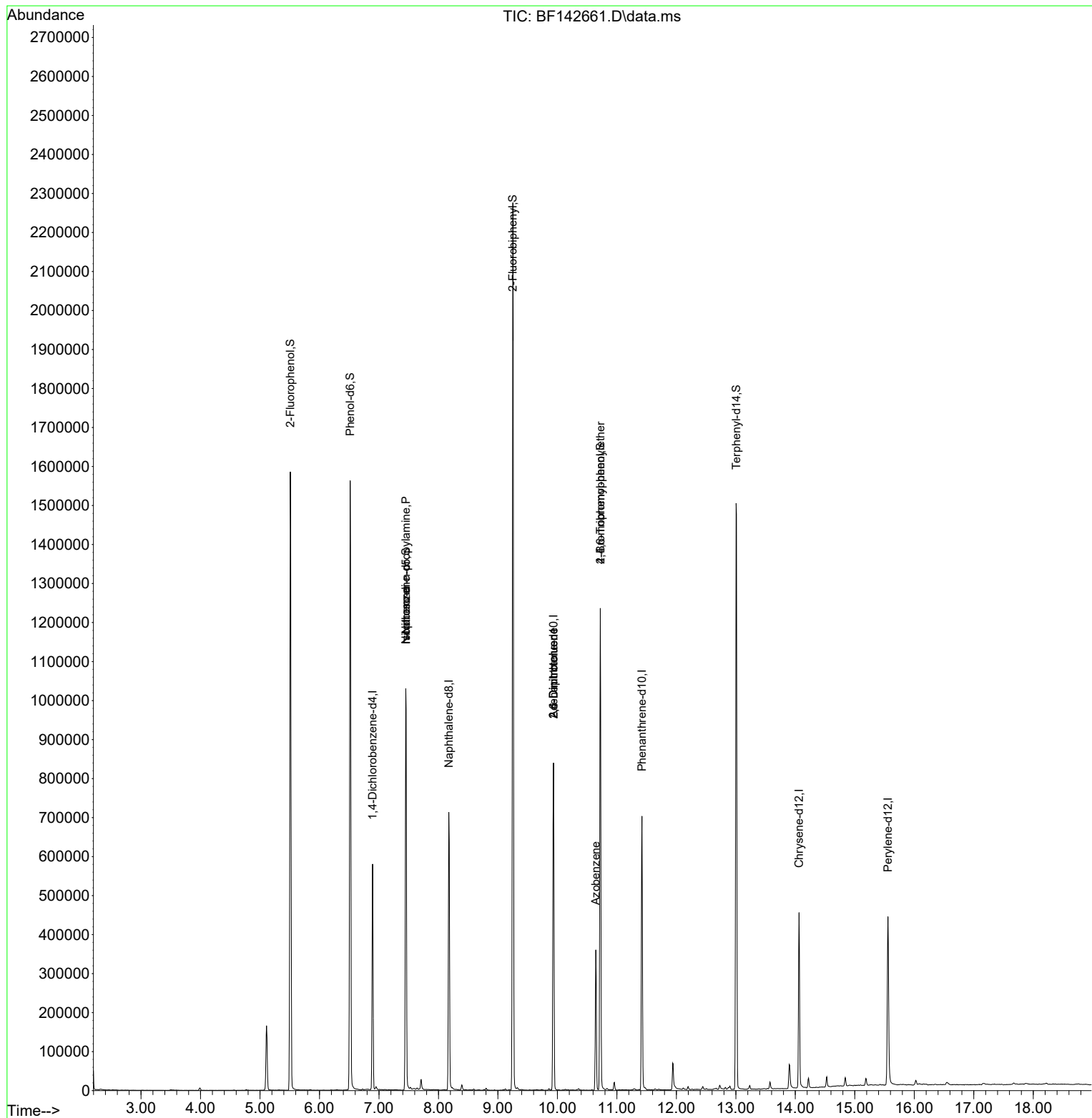
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	124234	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	473472	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	251337	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	378800	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233380	20.000	ng	-0.01
86) Perylene-d12	15.557	264	269073	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	621093	84.227	ng	0.00
7) Phenol-d6	6.516	99	759087	85.516	ng	-0.02
23) Nitrobenzene-d5	7.451	82	459762	52.950	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	222131	79.630	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1043333	55.702	ng	-0.02
79) Terphenyl-d14	13.010	244	777820	45.545	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	60926	11.075	ng	# 76
25) Isophorone	7.451	82	442224	30.462	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	32074	8.961	ng	# 28
57) 2,4-Dinitrotoluene	9.934	165	32074	6.861	ng	# 28
63) Azobenzene	10.645	77	82550	5.674	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13500	3.014	ng	# 1

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

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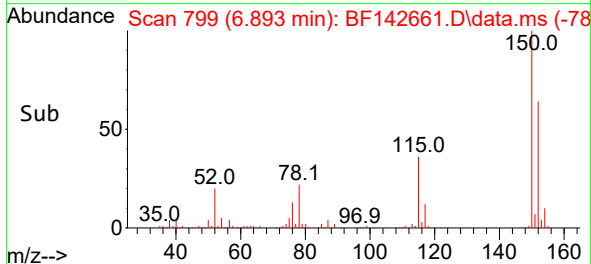
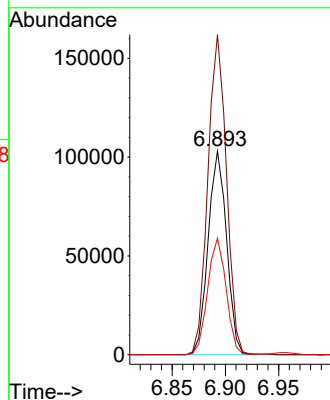
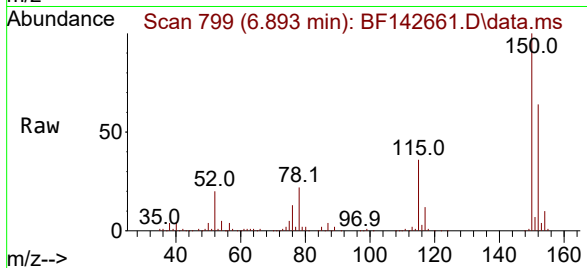




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF142661.D
 Acq: 06 Jun 2025 22:31

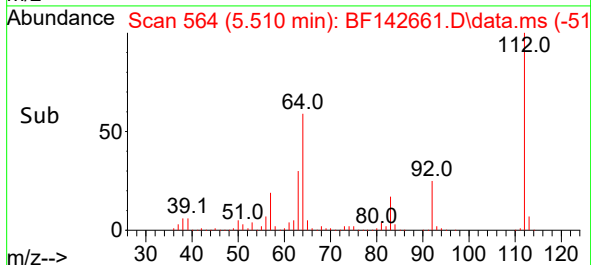
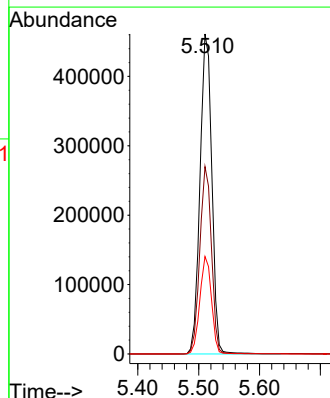
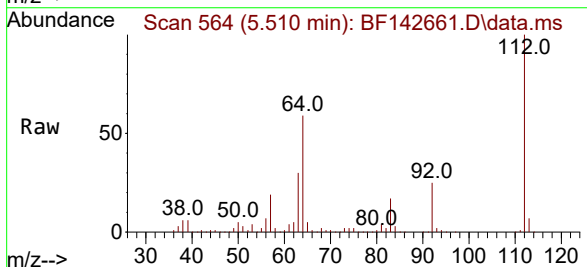
Instrument :
 BNA_F
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 TP-46

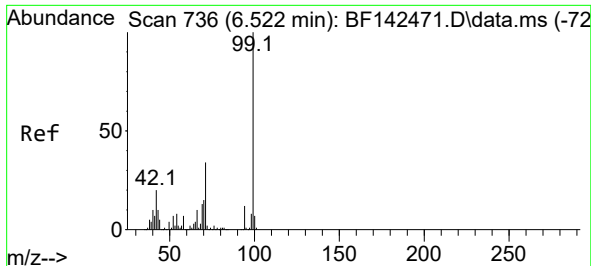
Tgt Ion:152 Resp: 124234
 Ion Ratio Lower Upper
 152 100
 150 157.2 128.2 192.4
 115 57.2 48.3 72.5



#5
 2-Fluorophenol
 Concen: 84.227 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142661.D
 Acq: 06 Jun 2025 22:31

Tgt Ion:112 Resp: 621093
 Ion Ratio Lower Upper
 112 100
 64 58.6 47.5 71.3
 63 30.5 24.9 37.3

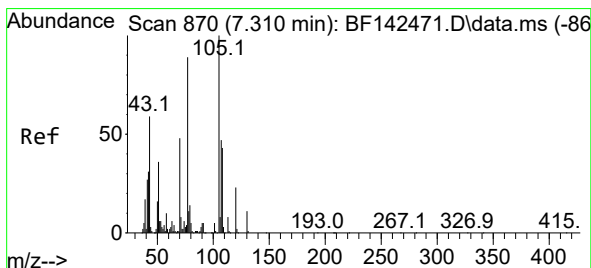
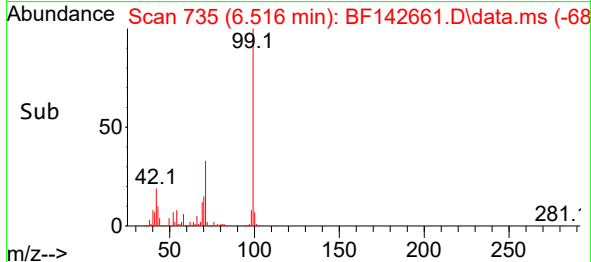
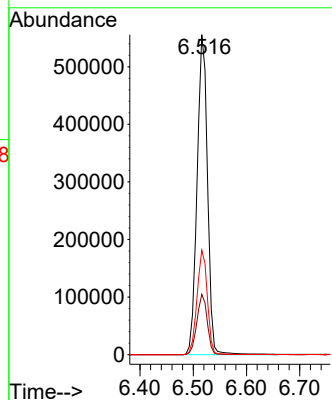
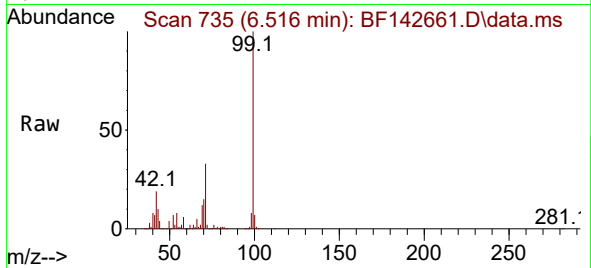




#7
Phenol-d6
Concen: 85.516 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

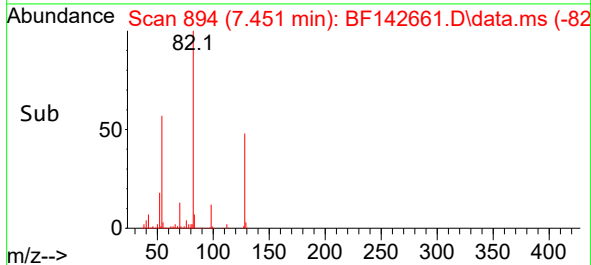
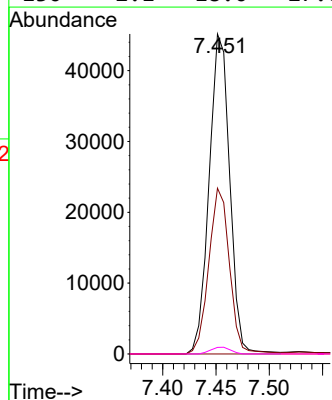
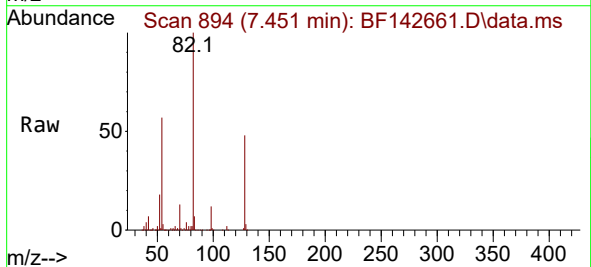
Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion: 99 Resp: 759087
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 32.7 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.075 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion: 70 Resp: 60926
Ion Ratio Lower Upper
70 100
42 51.8 52.4 78.6#
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#



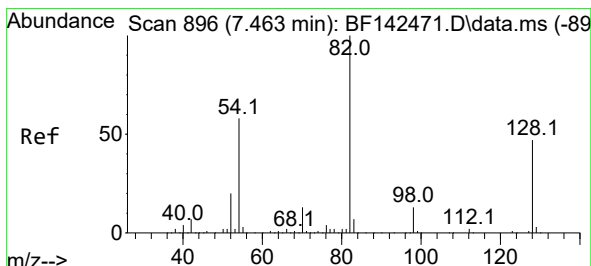
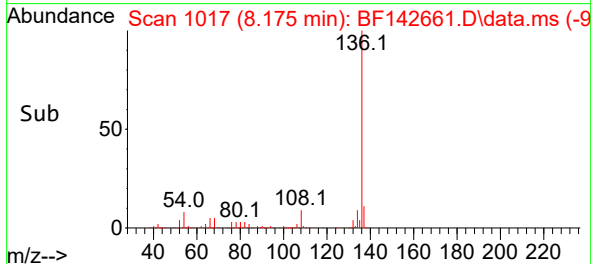
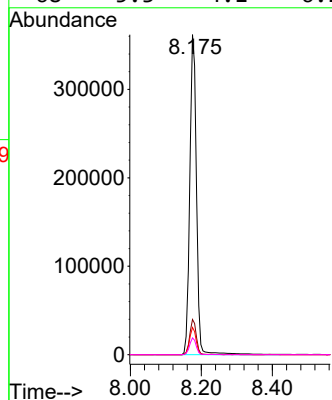
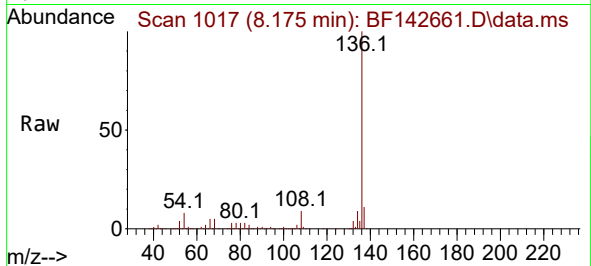


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:136 Resp: 473472

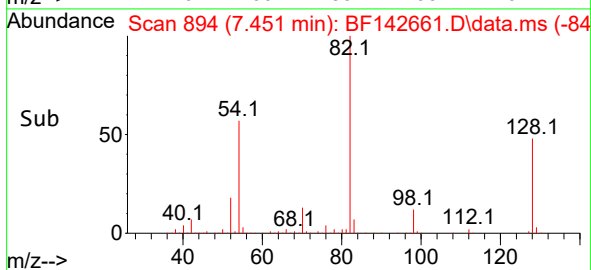
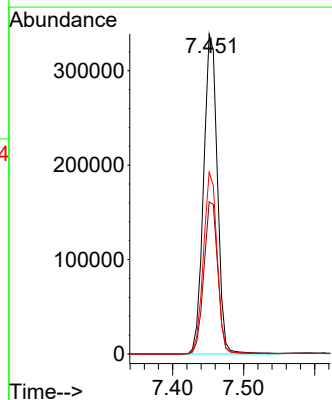
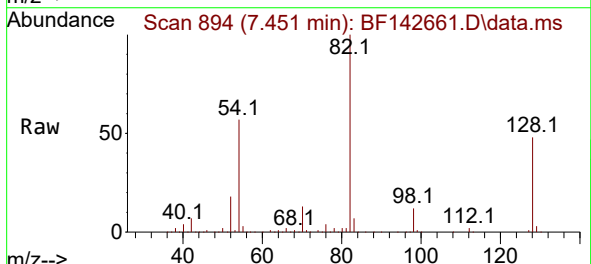
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.5	6.6	10.0
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 52.950 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion: 82 Resp: 459762

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.2
54	56.8	46.6	70.0

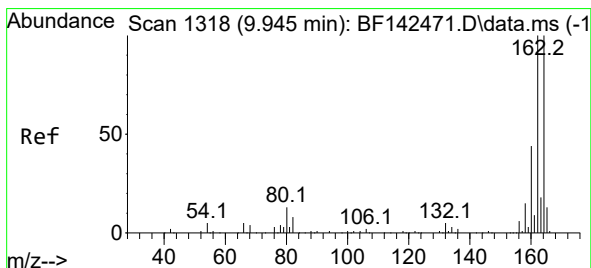
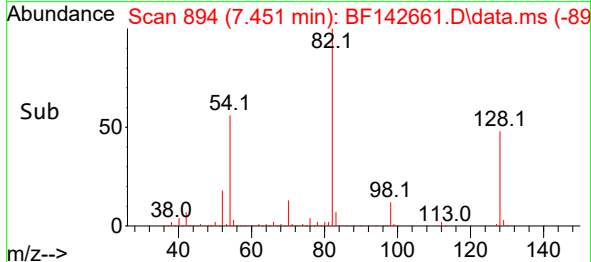
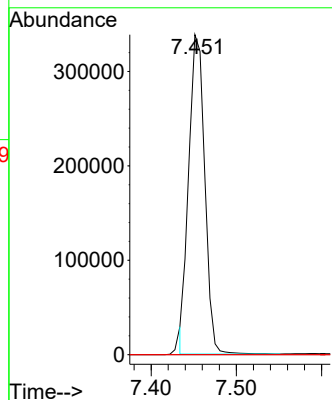
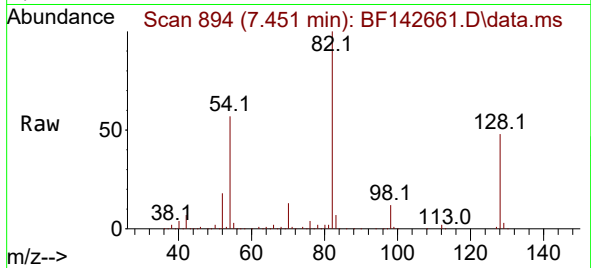




#25
Isophorone
Concen: 30.462 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

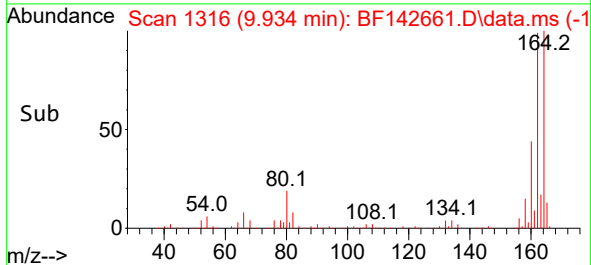
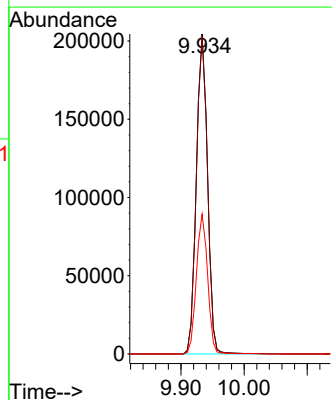
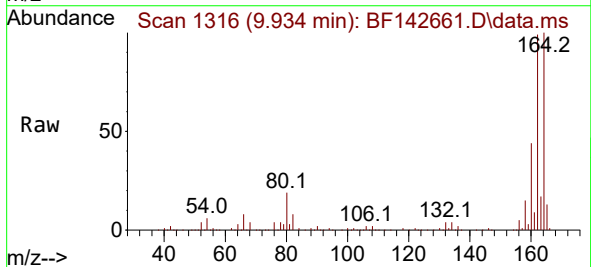
Instrument :
BNA_F
ClientSampleId :
TP-46

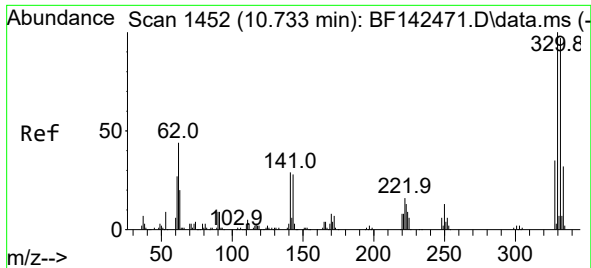
Tgt Ion: 82 Resp: 442224
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:164 Resp: 251337
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.4
160 43.7 35.6 53.4

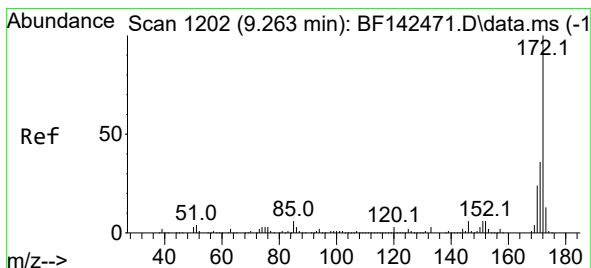
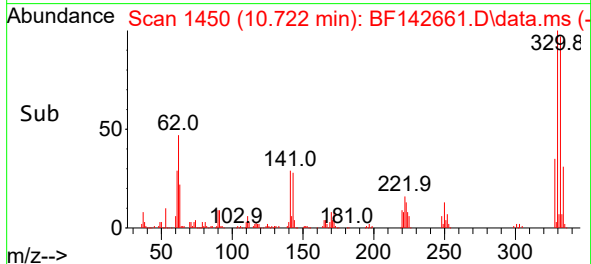
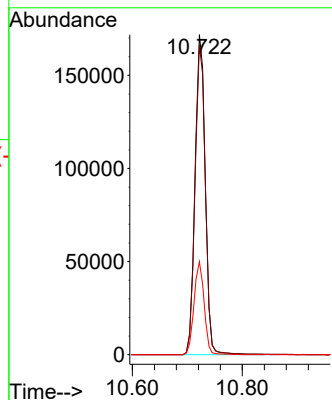
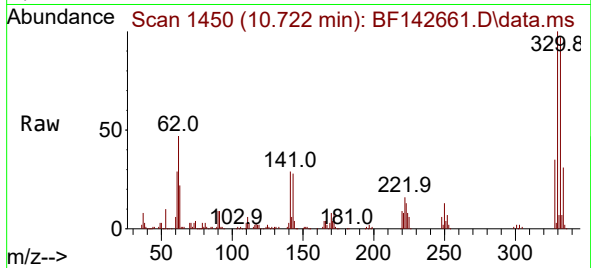




#42
2,4,6-Tribromophenol
Concen: 79.630 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

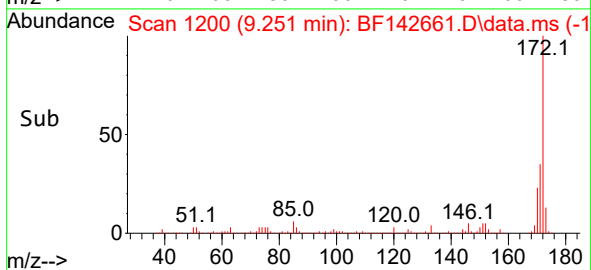
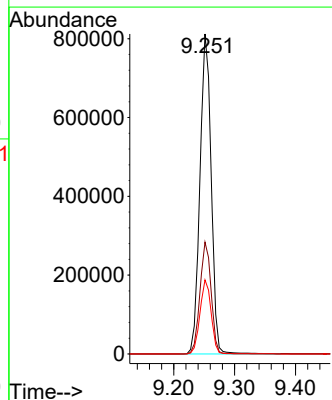
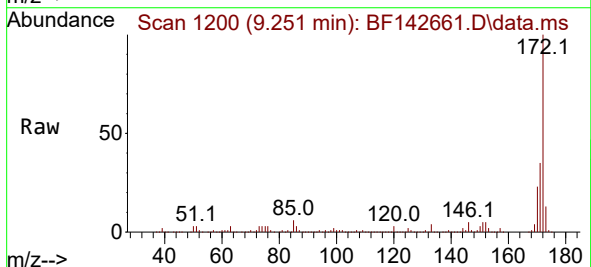
Instrument :
BNA_F
ClientSampleId :
TP-46

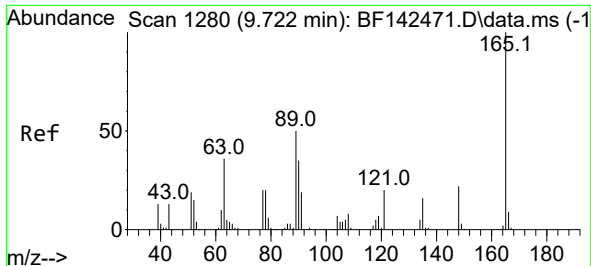
Tgt Ion:330 Resp: 222131
Ion Ratio Lower Upper
330 100
332 97.4 77.6 116.4
141 28.8 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 55.702 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:172 Resp: 1043333
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.2 18.9 28.3

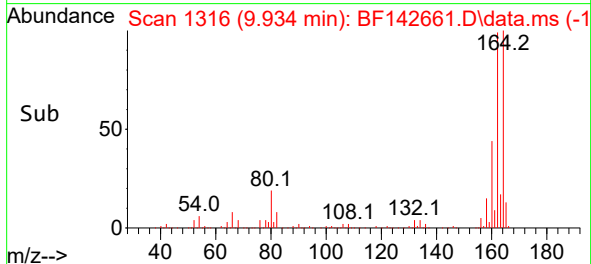
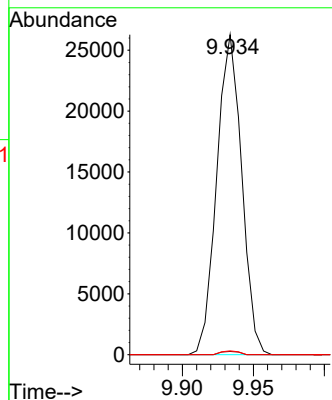
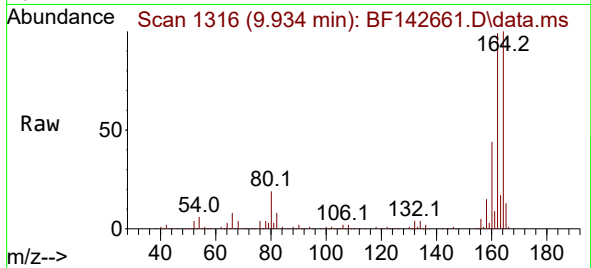




#51
2,6-Dinitrotoluene
Concen: 8.961 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

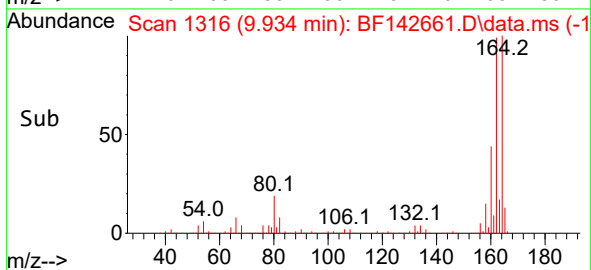
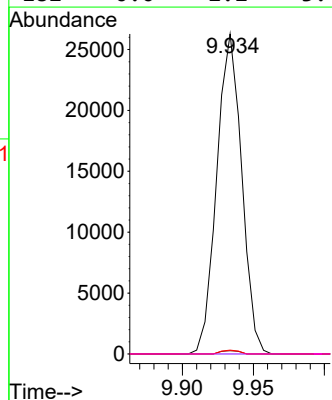
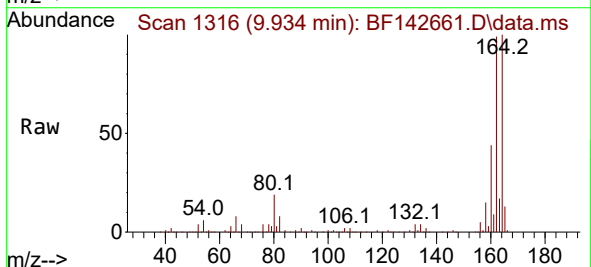
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BNA_F
ClientSampleId :
TP-46

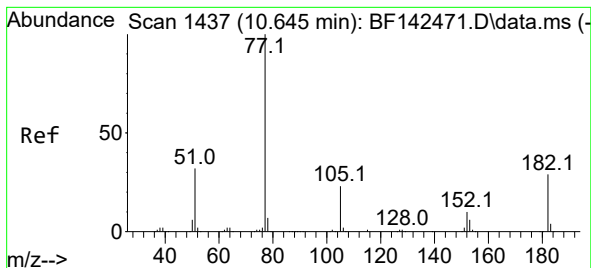
Tgt Ion:165 Resp: 32074
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 1.2 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.861 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:165 Resp: 32074
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 1.2 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 5.674 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142661.D

Acq: 06 Jun 2025 22:31

Instrument :

BNA_F

ClientSampleId :

TP-46

Tgt Ion: 77 Resp: 82550

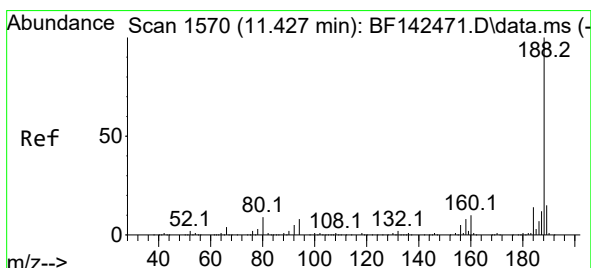
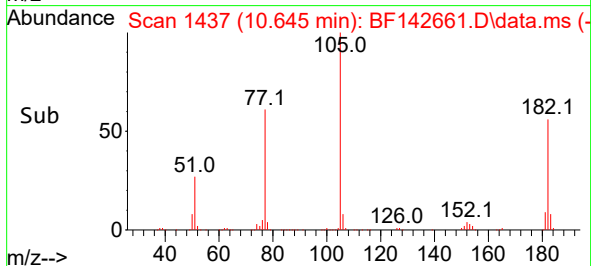
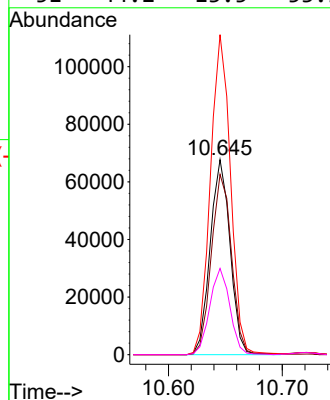
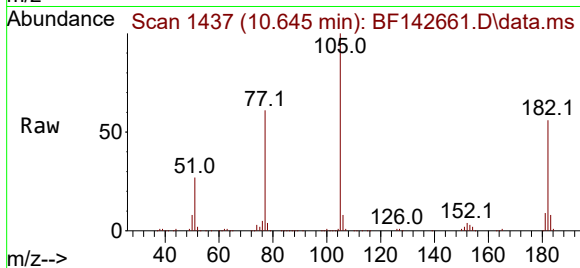
Ion Ratio Lower Upper

77 100

182 92.4 9.0 49.0#

105 164.1 2.4 42.4#

51 44.2 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142661.D

Acq: 06 Jun 2025 22:31

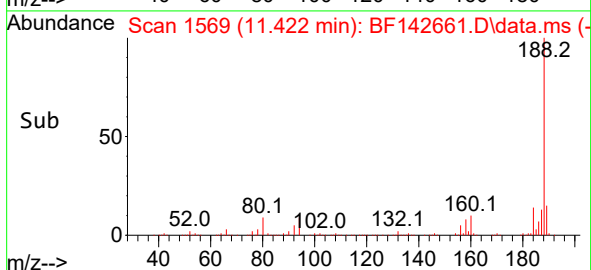
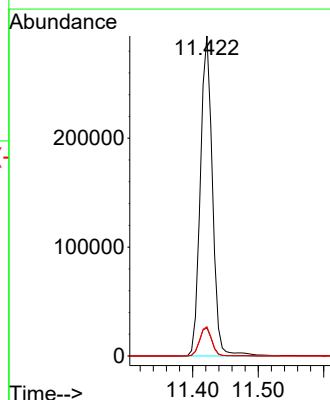
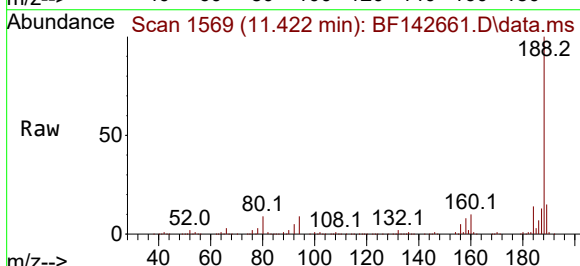
Tgt Ion: 188 Resp: 378800

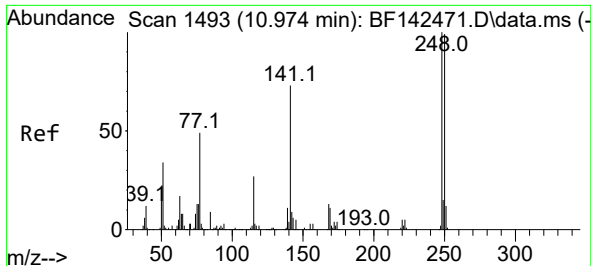
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.2 7.4 11.0

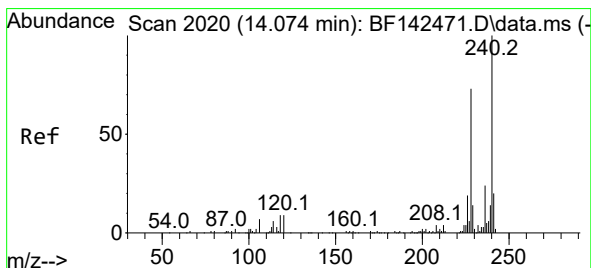
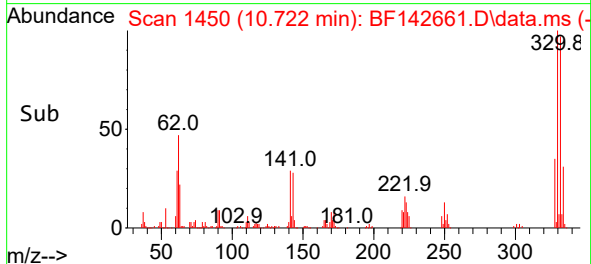
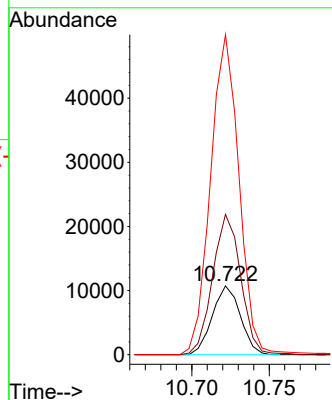
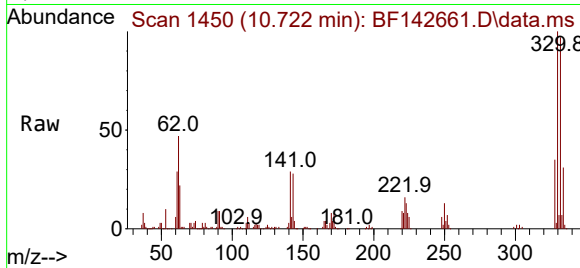




#67
4-Bromophenyl-phenylether
Concen: 3.014 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

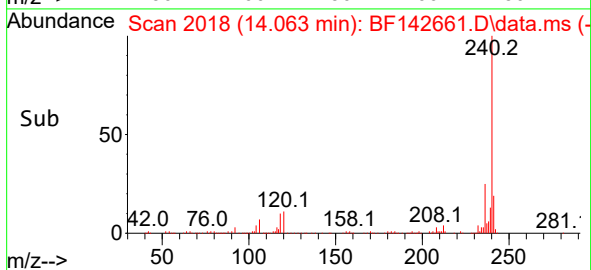
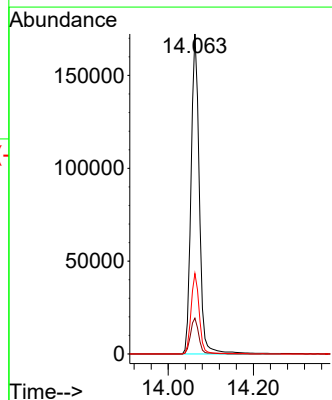
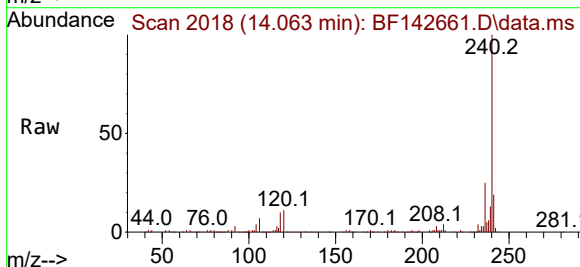
Instrument :
BNA_F
ClientSampleId :
TP-46

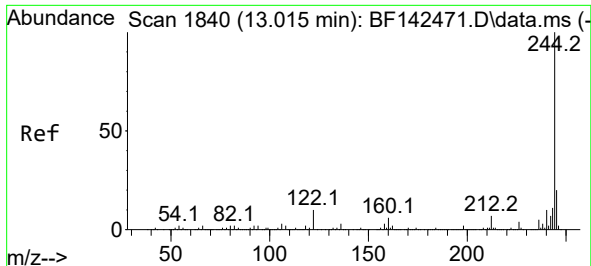
Tgt Ion:248 Resp: 13500
Ion Ratio Lower Upper
248 100
250 204.2 79.0 118.4#
141 465.6 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:240 Resp: 233380
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 25.2 19.6 29.4

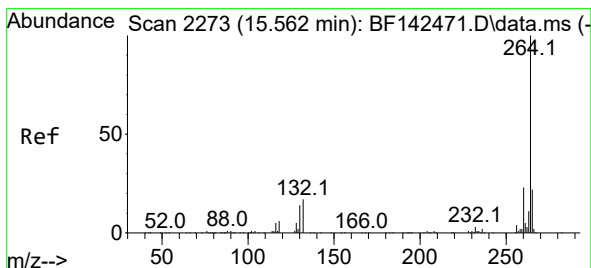
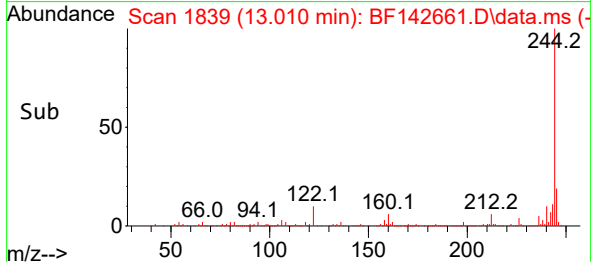
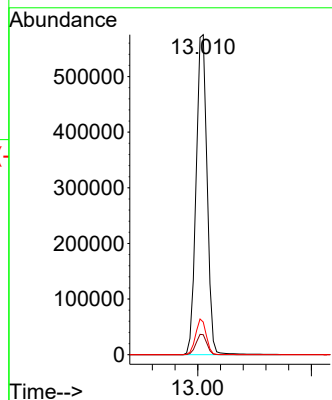
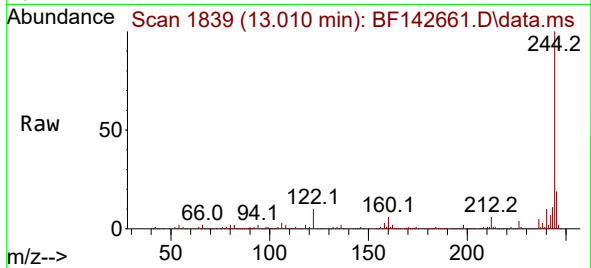




#79
 Terphenyl-d14
 Concen: 45.545 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142661.D
 Acq: 06 Jun 2025 22:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-46

Tgt Ion:244 Resp: 777820
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 10.2 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142661.D
 Acq: 06 Jun 2025 22:31

Tgt Ion:264 Resp: 269073
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.5 17.7 26.5

