

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142659.D
 Acq On : 06 Jun 2025 21:32
 Operator : RC/JU
 Sample : Q2242-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP09-MHJ

Quant Time: Jun 06 22:57:49 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)

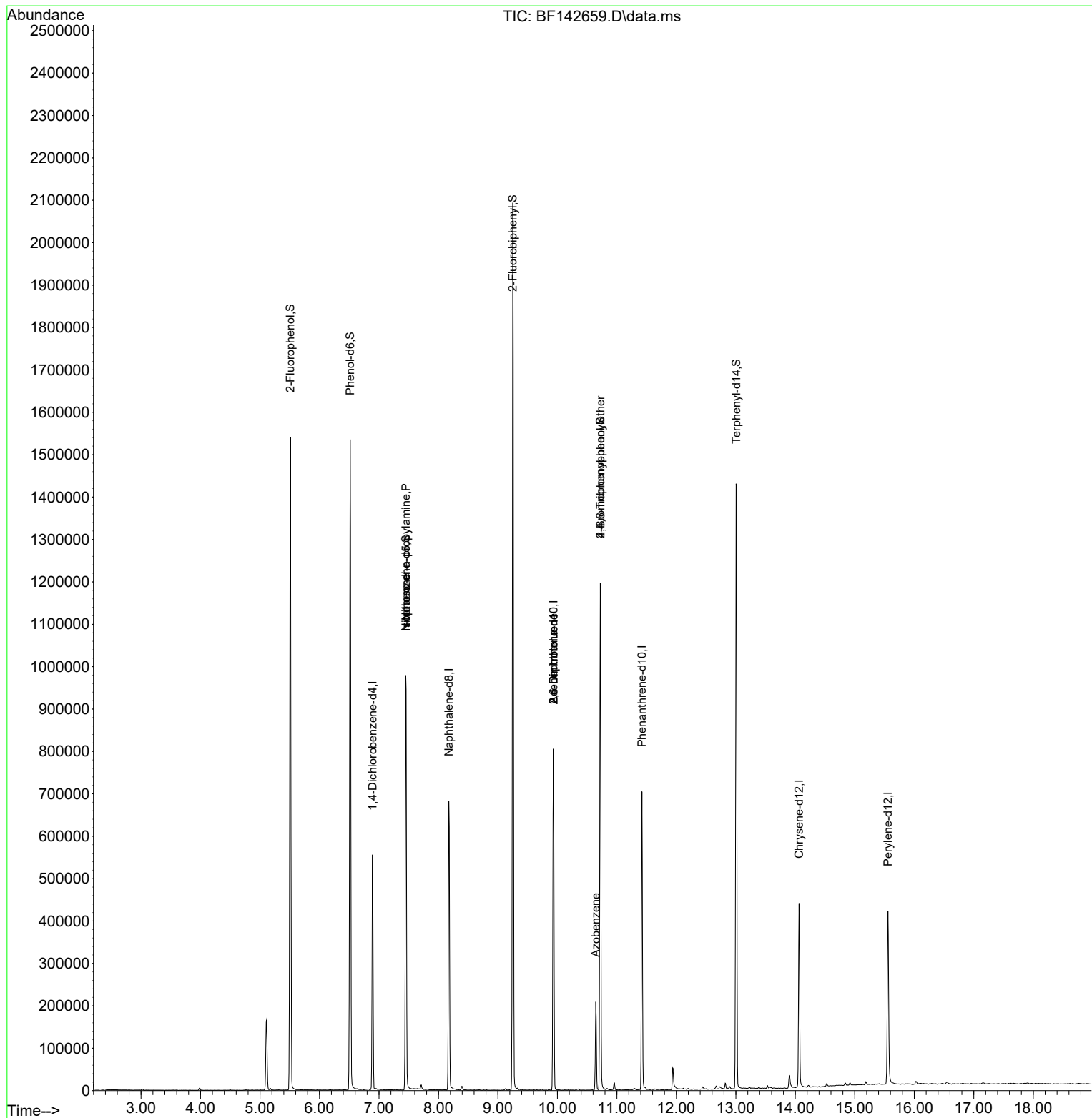
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	120062	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	462539	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	241515	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	375431	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	222835	20.000	ng	-0.01
86) Perylene-d12	15.557	264	260106	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	595282	83.532	ng	0.00
7) Phenol-d6	6.516	99	742028	86.499	ng	-0.02
23) Nitrobenzene-d5	7.451	82	438836	51.734	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	213461	79.634	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	947170	52.625	ng	-0.02
79) Terphenyl-d14	13.010	244	735818	45.124	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	59392	11.171	ng	# 75
25) Isophorone	7.451	82	422527	29.793	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	30136	8.762	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	30136	6.709	ng	# 28
63) Azobenzene	10.645	77	48965	3.503	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13110	2.953	ng	# 1

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

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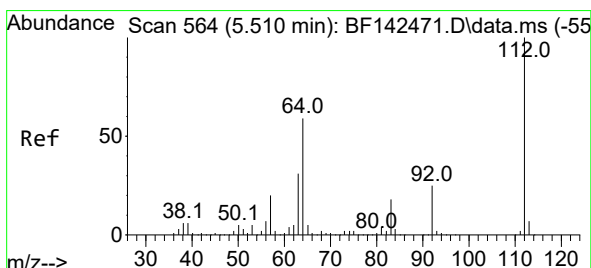
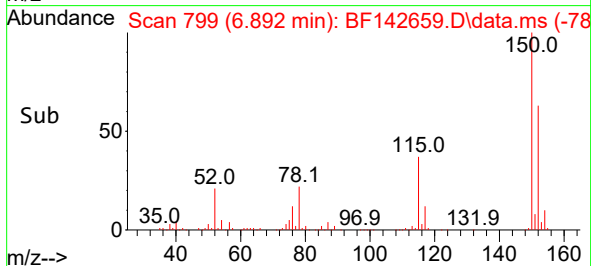
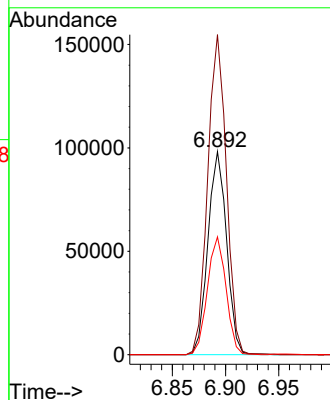
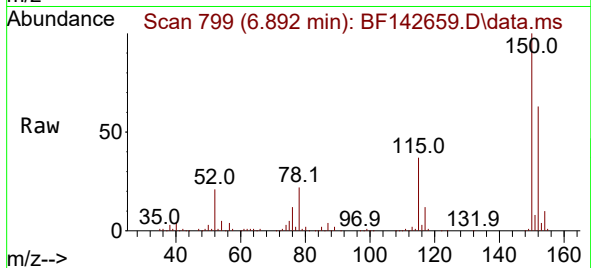




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

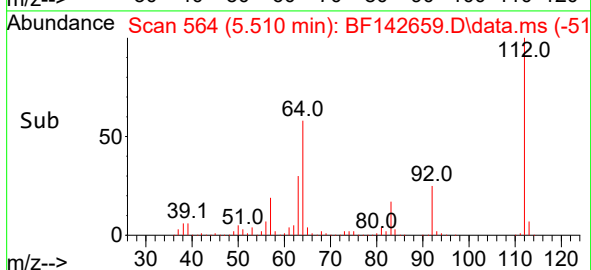
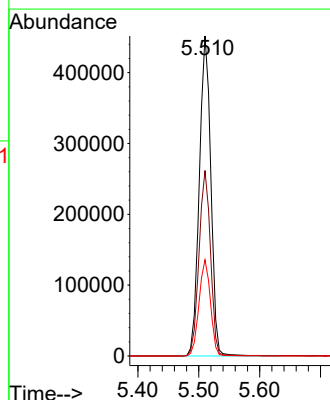
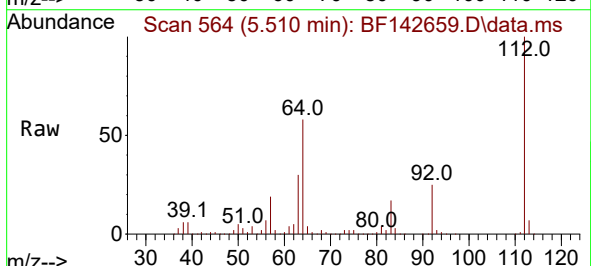
Instrument :
BNA_F
ClientSampleId :
TP09-MHJ

Tgt Ion:152 Resp: 120062
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 58.0 48.3 72.5



#5
2-Fluorophenol
Concen: 83.532 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

Tgt Ion:112 Resp: 595282
Ion Ratio Lower Upper
112 100
64 57.9 47.5 71.3
63 30.0 24.9 37.3





#7

Phenol-d6

Concen: 86.499 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142659.D

Acq: 06 Jun 2025 21:32

Instrument :

BNA_F

ClientSampleId :

TP09-MHJ

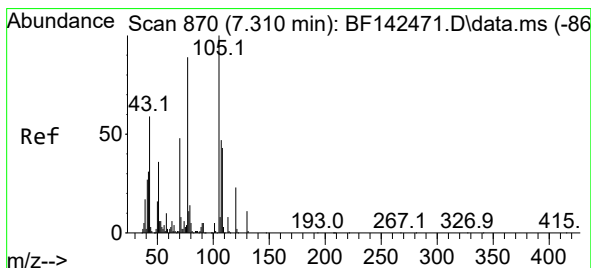
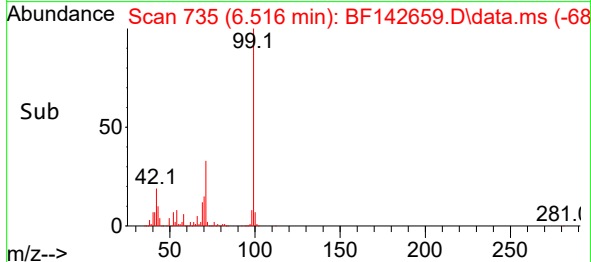
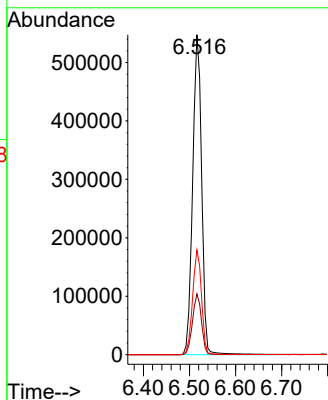
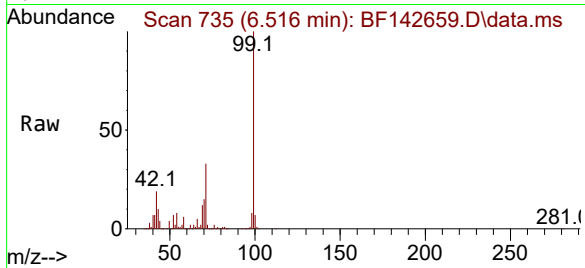
Tgt Ion: 99 Resp: 742028

Ion Ratio Lower Upper

99 100

42 19.0 16.2 24.2

71 32.7 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 11.171 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.124 min

Lab File: BF142659.D

Acq: 06 Jun 2025 21:32

Tgt Ion: 70 Resp: 59392

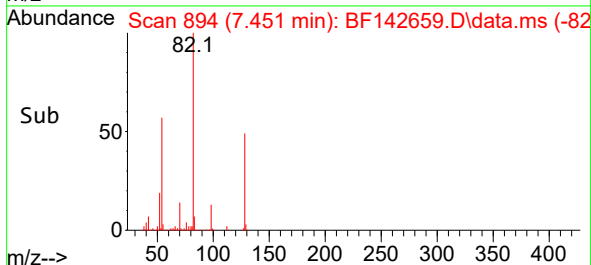
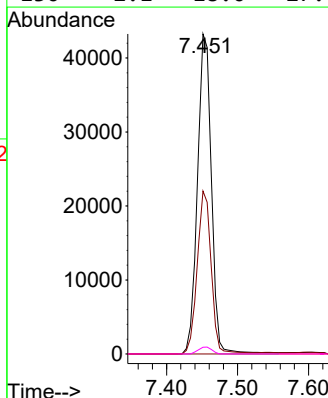
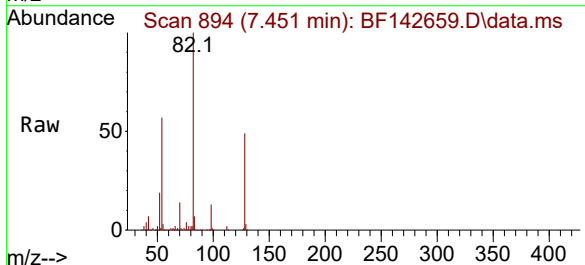
Ion Ratio Lower Upper

70 100

42 50.9 52.4 78.6#

101 0.0 7.8 11.8#

130 2.1 18.0 27.0#

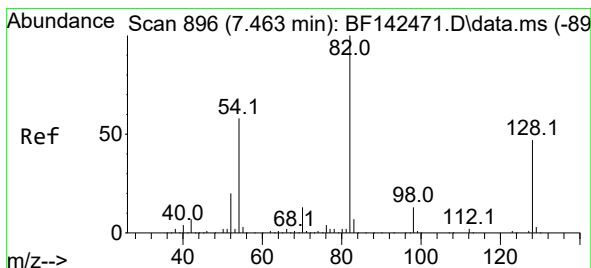
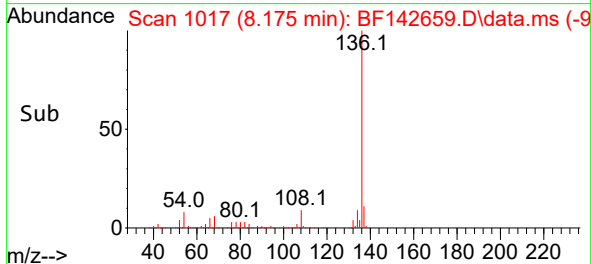
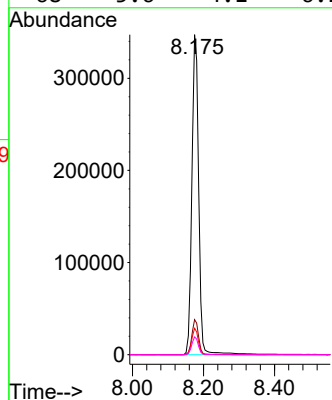
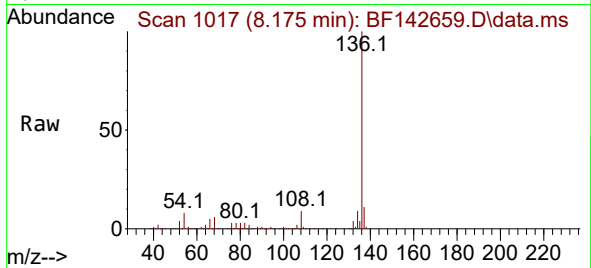




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

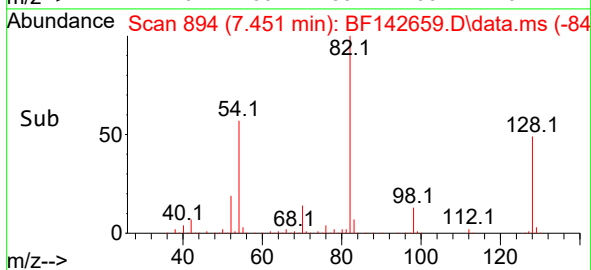
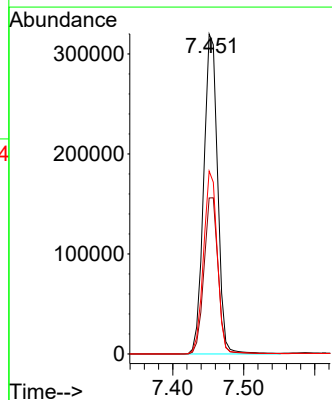
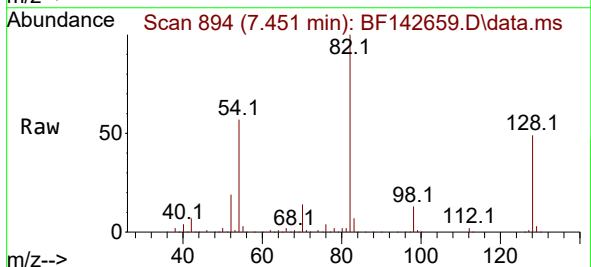
Instrument :
BNA_F
ClientSampleId :
TP09-MHJ

Tgt Ion:136 Resp: 462539
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 6.6 10.0
68 5.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 51.734 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

Tgt Ion: 82 Resp: 438836
Ion Ratio Lower Upper
82 100
128 48.7 37.4 56.2
54 57.1 46.6 70.0

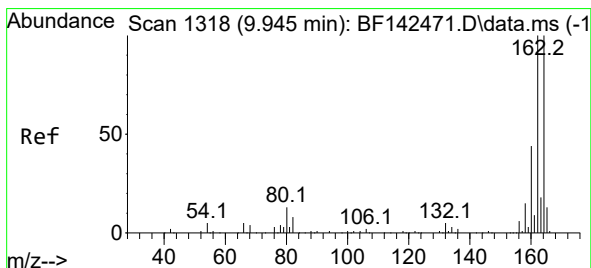
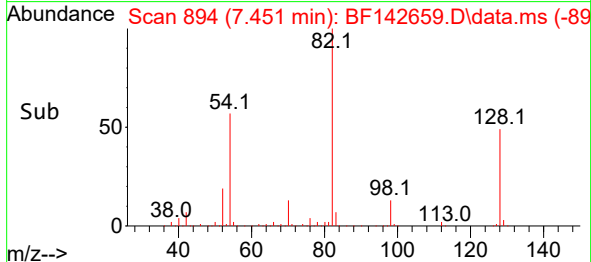
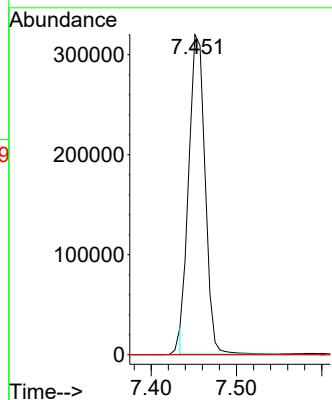
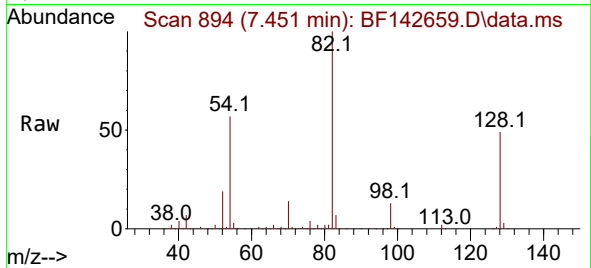




#25
Isophorone
Concen: 29.793 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

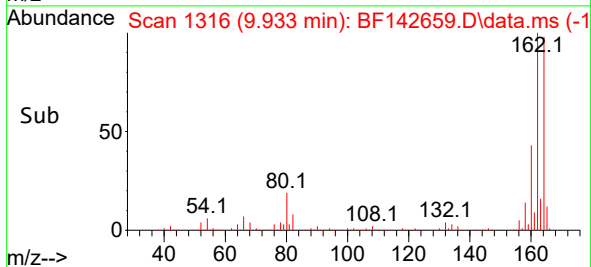
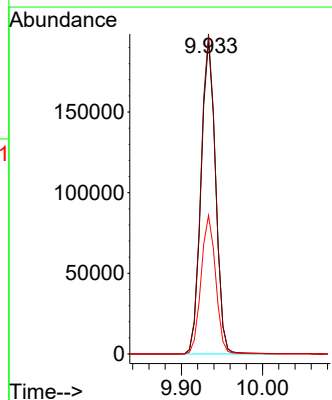
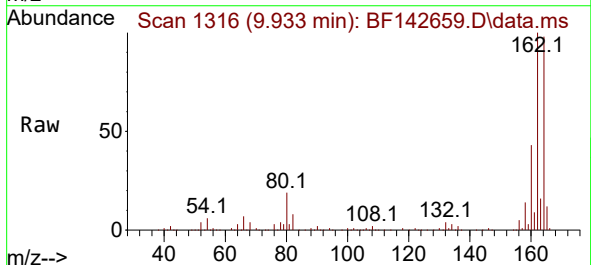
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BNA_F
ClientSampleId :
TP09-MHJ

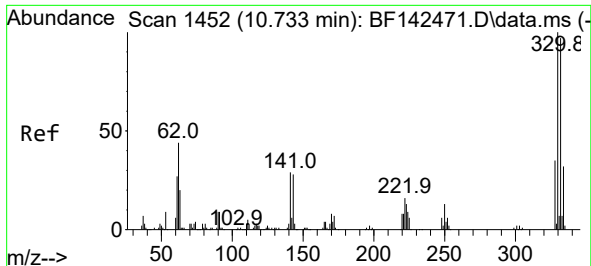
Tgt Ion: 82 Resp: 422527
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

Tgt Ion:164 Resp: 241515
Ion Ratio Lower Upper
164 100
162 102.0 80.2 120.4
160 44.2 35.6 53.4

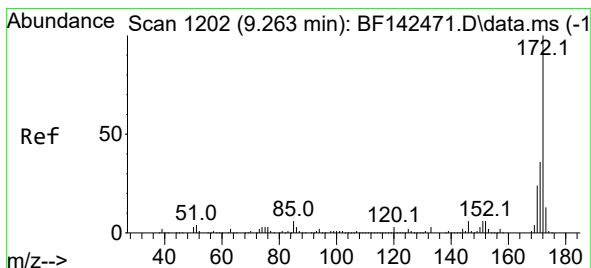
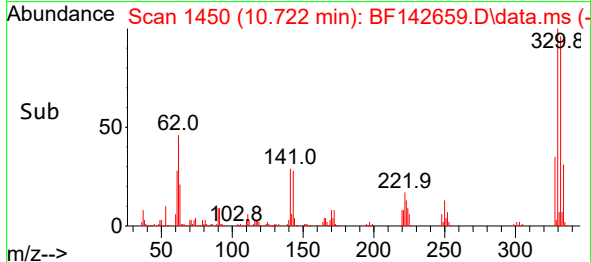
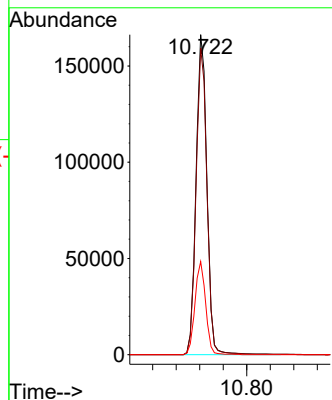
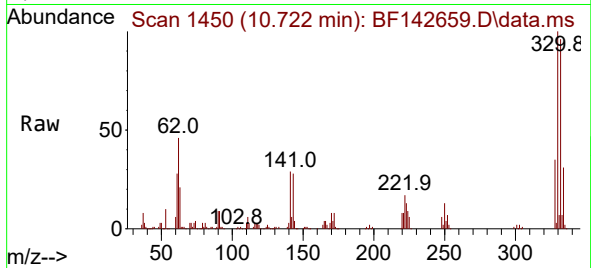




#42
2,4,6-Tribromophenol
Concen: 79.634 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

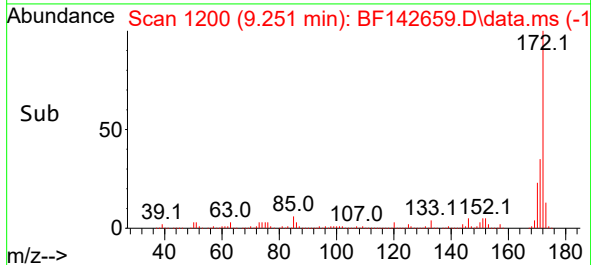
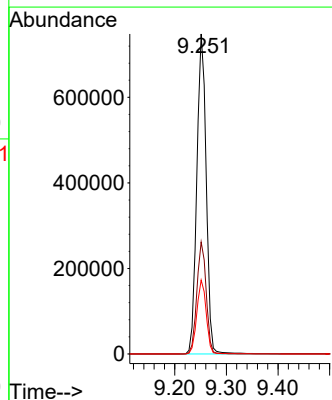
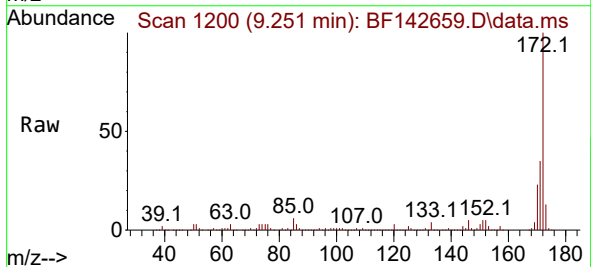
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ClientSampleId :
TP09-MHJ

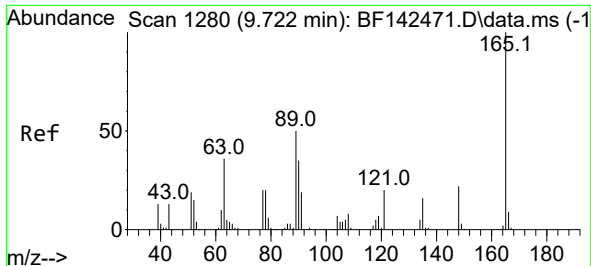
Tgt Ion: 330 Resp: 213461
Ion Ratio Lower Upper
330 100
332 96.1 77.6 116.4
141 28.7 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 52.625 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

Tgt Ion: 172 Resp: 947170
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.1 18.9 28.3

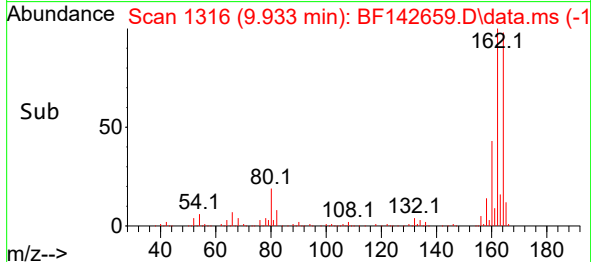
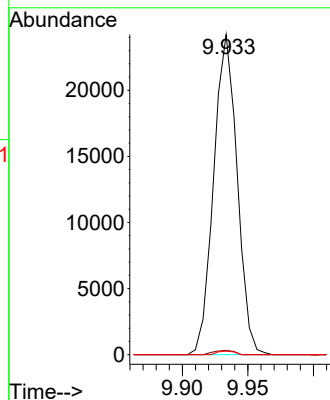
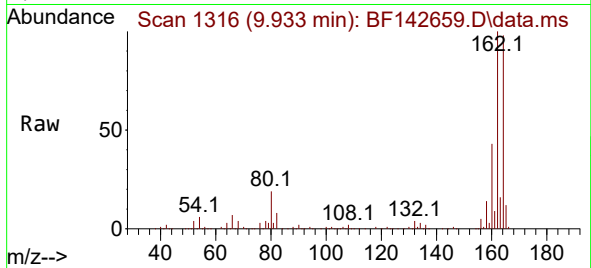




#51
2,6-Dinitrotoluene
Concen: 8.762 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

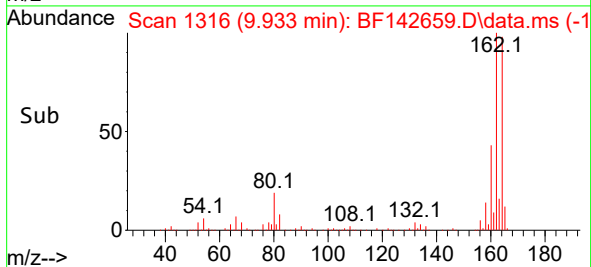
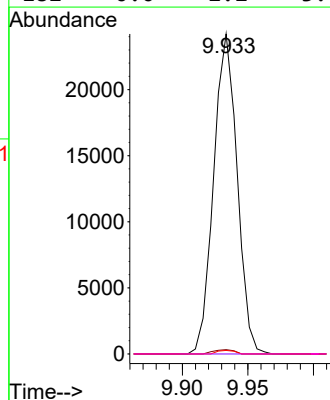
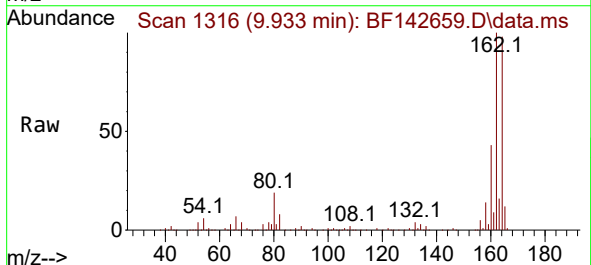
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BNA_F
ClientSampleId :
TP09-MHJ

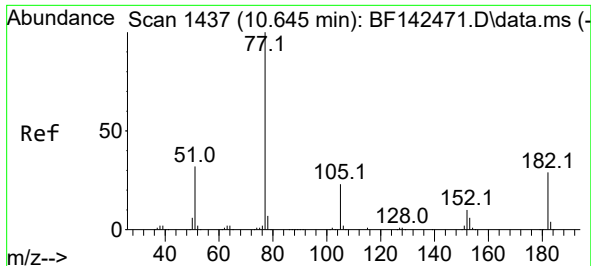
Tgt Ion:165 Resp: 30136
Ion Ratio Lower Upper
165 100
63 1.3 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.709 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

Tgt Ion:165 Resp: 30136
Ion Ratio Lower Upper
165 100
63 1.3 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#

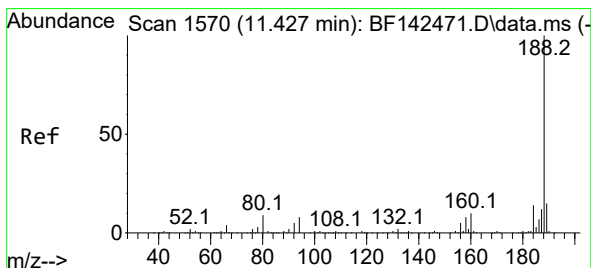
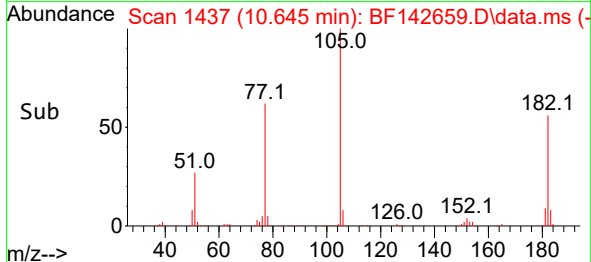
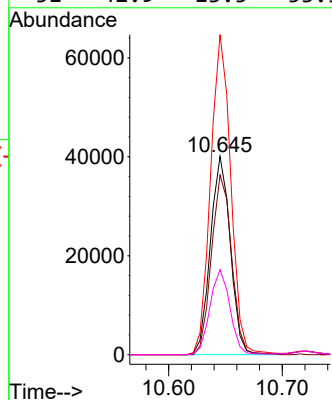
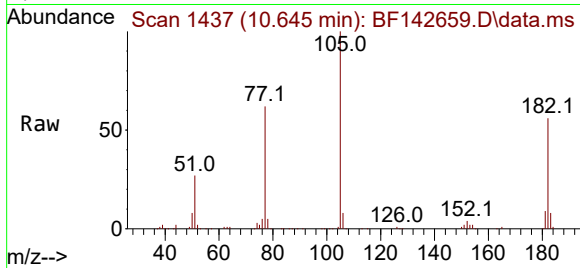




#63
Azobenzene
Concen: 3.503 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

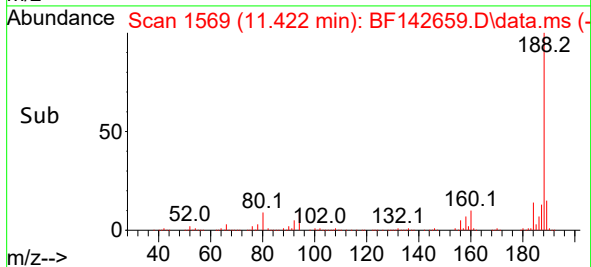
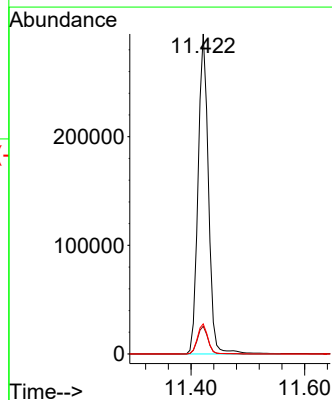
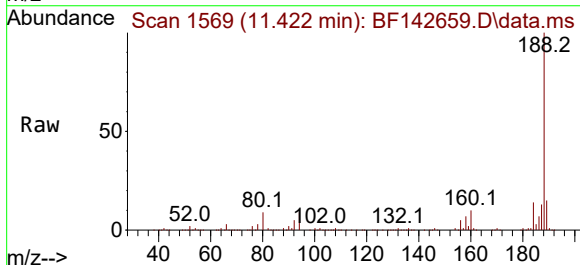
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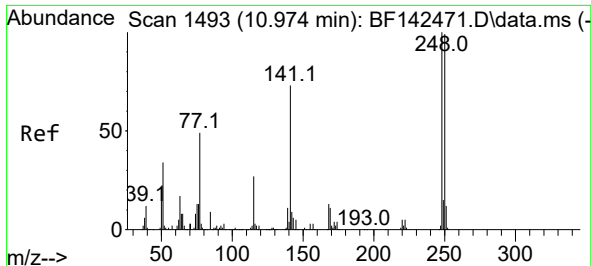
Tgt Ion: 77 Resp: 48965
Ion Ratio Lower Upper
77 100
182 90.6 9.0 49.0#
105 161.5 2.4 42.4#
51 42.9 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

Tgt Ion:188 Resp: 375431
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.4 7.4 11.0

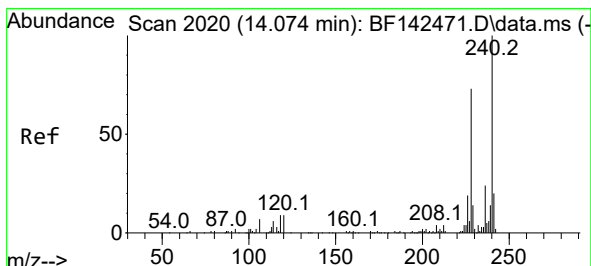
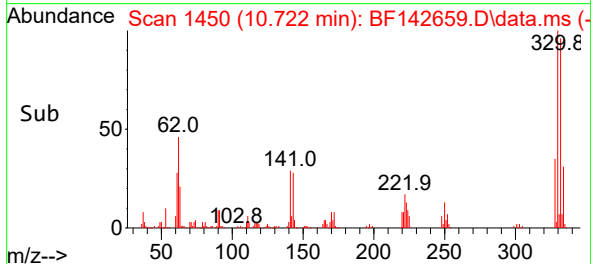
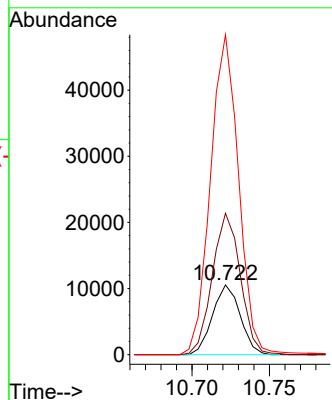
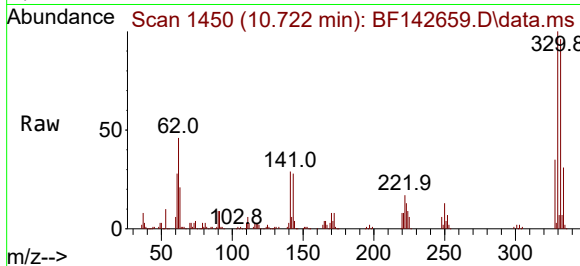




#67
4-Bromophenyl-phenylether
Concen: 2.953 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

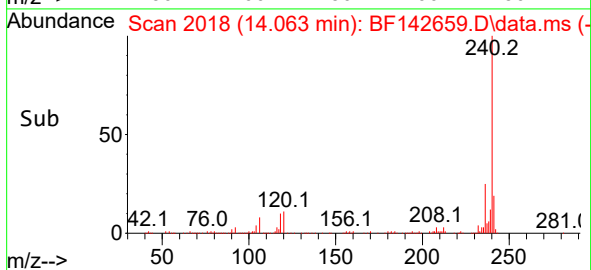
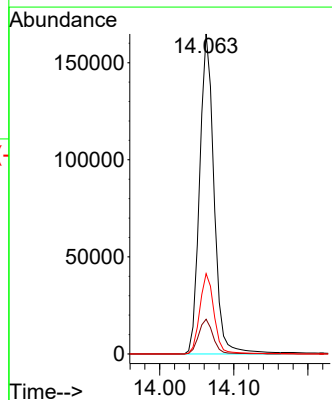
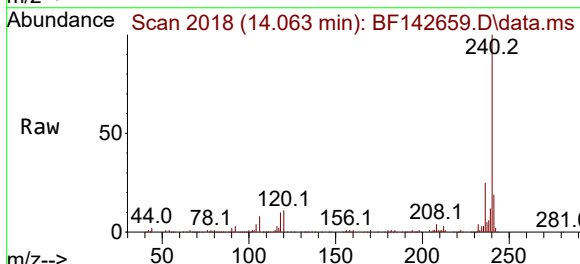
Instrument :
BNA_F
ClientSampleId :
TP09-MHJ

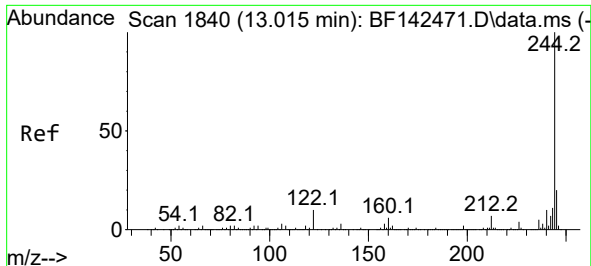
Tgt Ion:248 Resp: 13110
Ion Ratio Lower Upper
248 100
250 202.7 79.0 118.4#
141 458.6 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

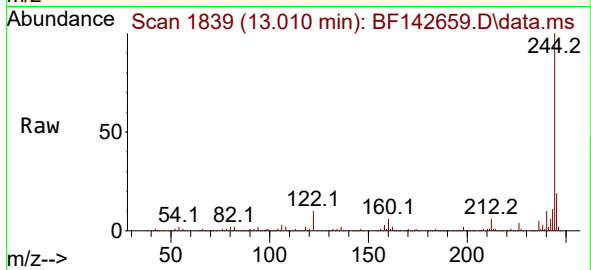
Tgt Ion:240 Resp: 222835
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 25.1 19.6 29.4



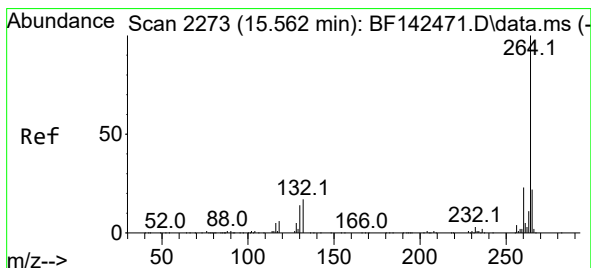
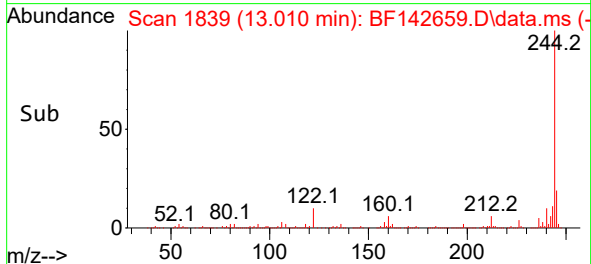
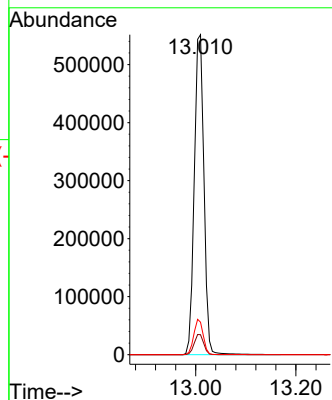


#79
Terphenyl-d14
Concen: 45.124 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142659.D
Acq: 06 Jun 2025 21:32

Instrument :
BNA_F
ClientSampleId :
TP09-MHJ



Tgt Ion:244 Resp: 735818
Ion Ratio Lower Upper
244 100
212 6.3 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: BF142659.D
Acq: 06 Jun 2025 21:32

Tgt Ion:264 Resp: 260106
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.0 17.7 26.5

