

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142542.D
 Acq On : 23 May 2025 18:29
 Operator : RC/JU
 Sample : Q2109-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-02-MHF

Quant Time: May 23 22:53:12 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)

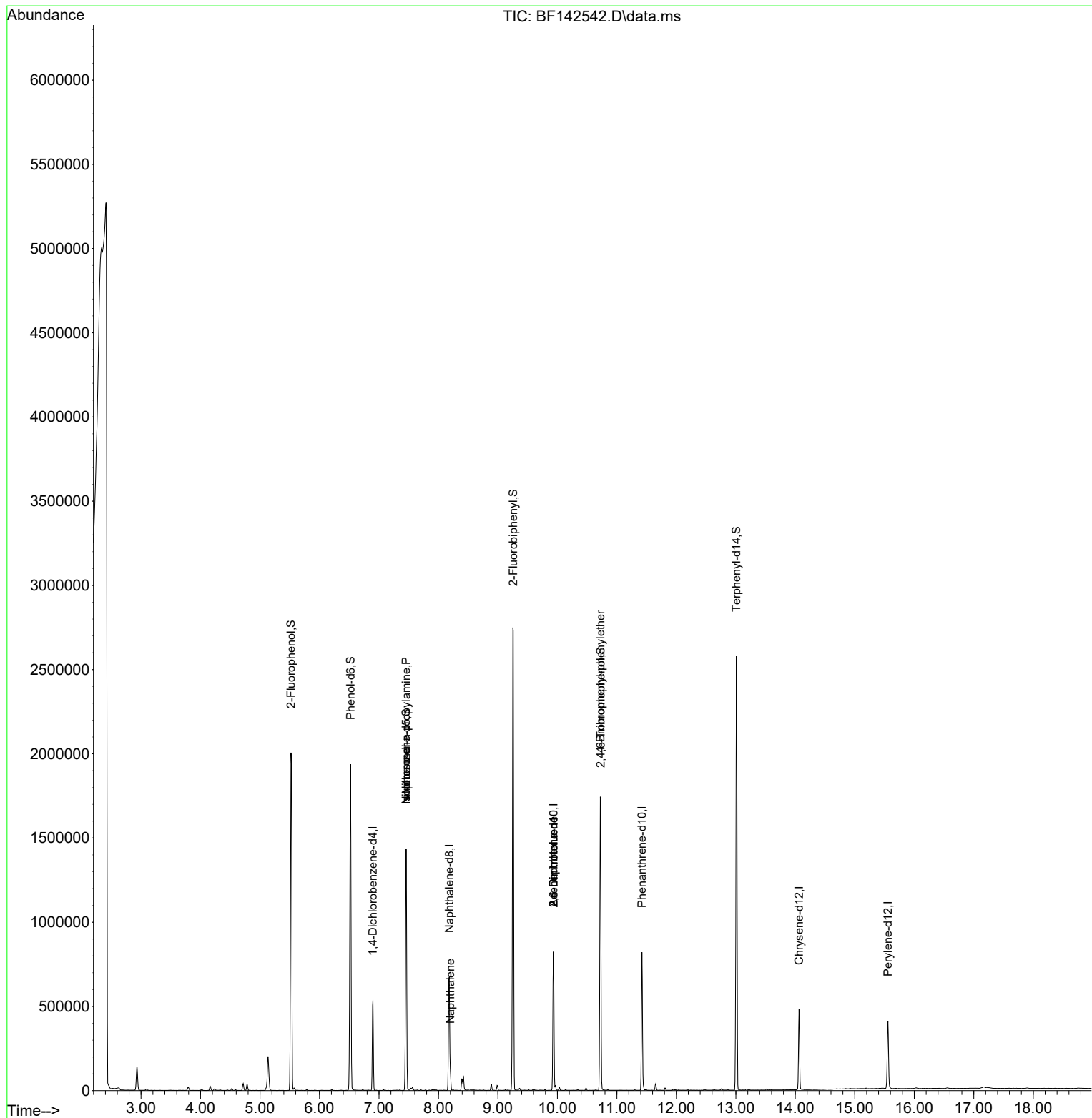
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	117042	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	452078	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	247439	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	421791	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	230163	20.000	ng	-0.01
86) Perylene-d12	15.557	264	243424	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	821988	118.321	ng	0.00
7) Phenol-d6	6.522	99	957377	114.482	ng	-0.01
23) Nitrobenzene-d5	7.457	82	637338	76.875	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	331242	120.616	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1320565	71.614	ng	-0.01
79) Terphenyl-d14	13.010	244	1272918	75.577	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	84613	16.326	ng	# 76
25) Isophorone	7.457	82	595502	42.961	ng	# 63
31) Naphthalene	8.198	128	63358	2.846	ng	# 99
51) 2,6-Dinitrotoluene	9.934	165	31391	8.908	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	31391	6.821	ng	# 28
67) 4-Bromophenyl-phenylether	10.722	248	20410	4.092	ng	# 1

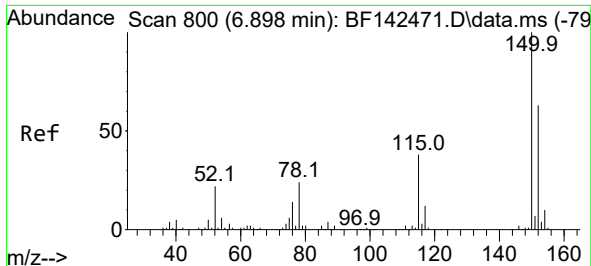
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
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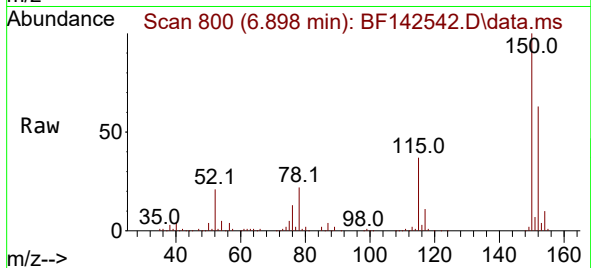
Quant Time: May 23 22:53:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
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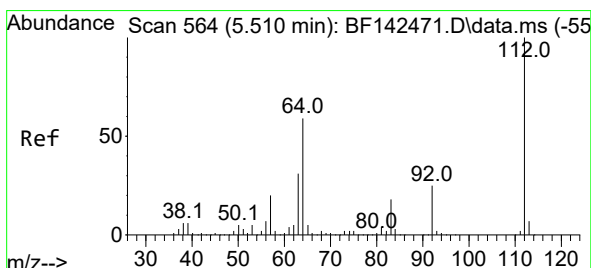
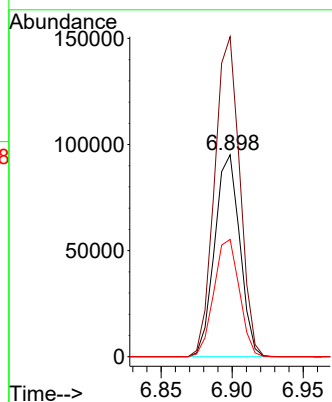
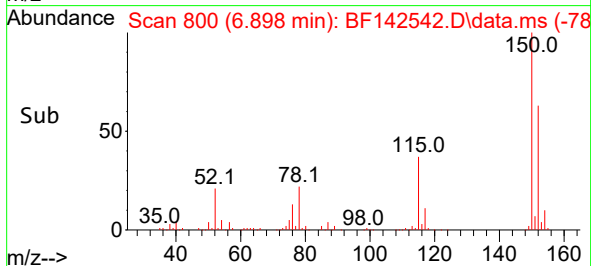


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

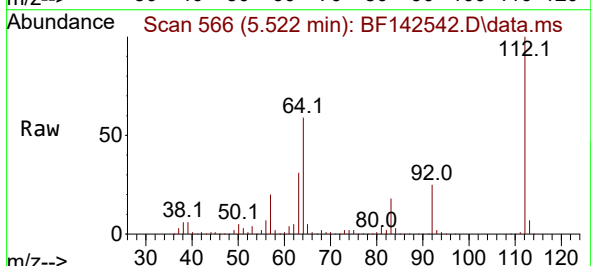
Instrument :
BNA_F
ClientSampleId :
TP-02-MHF



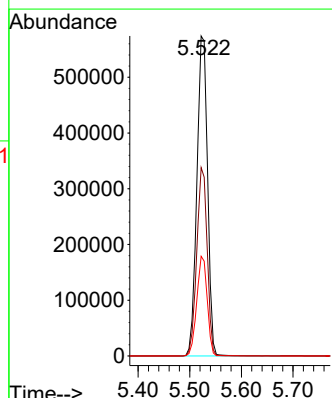
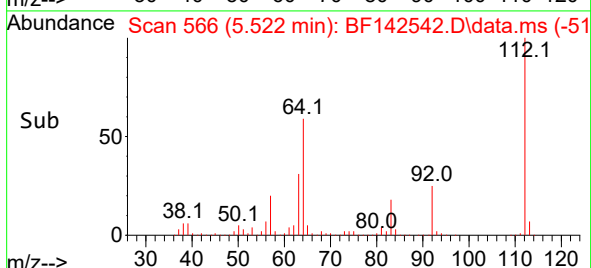
Tgt Ion:152 Resp: 117042
Ion Ratio Lower Upper
152 100
150 158.5 128.2 192.4
115 58.1 48.3 72.5

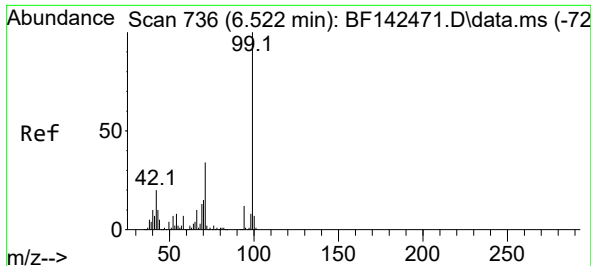


#5
2-Fluorophenol
Concen: 118.321 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29



Tgt Ion:112 Resp: 821988
Ion Ratio Lower Upper
112 100
64 58.8 47.5 71.3
63 31.1 24.9 37.3

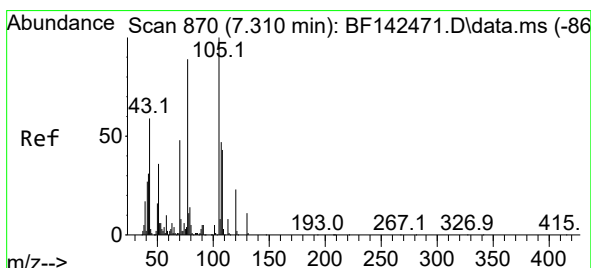
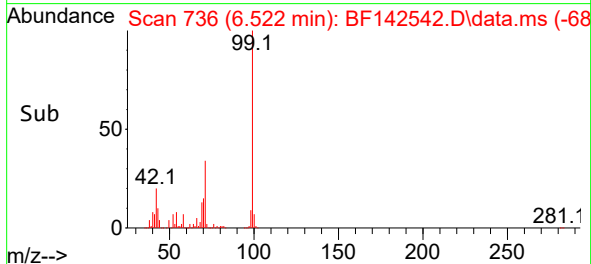
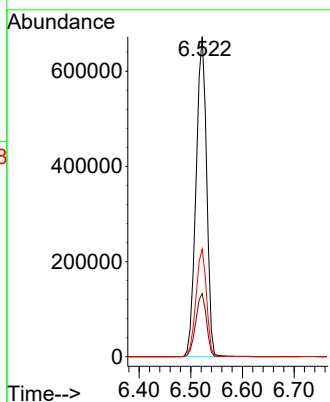
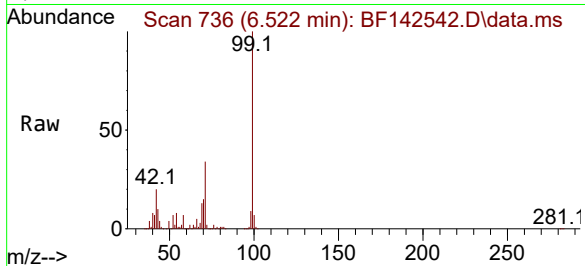




#7
Phenol-d6
Concen: 114.482 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

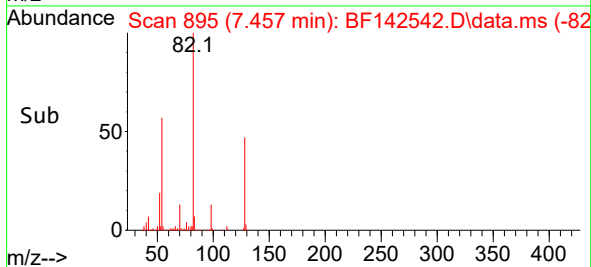
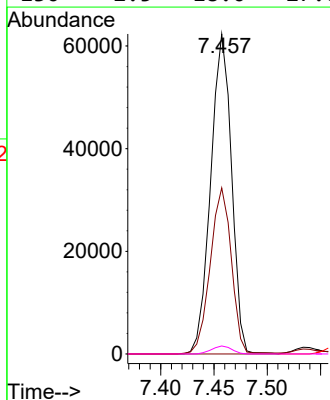
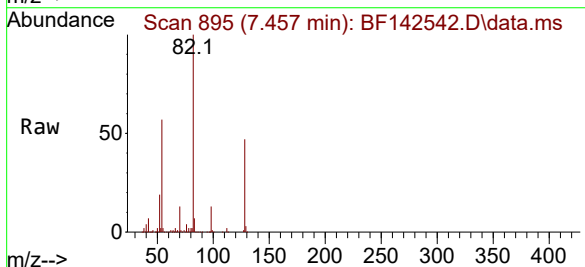
Instrument :
BNA_F
ClientSampleId :
TP-02-MHF

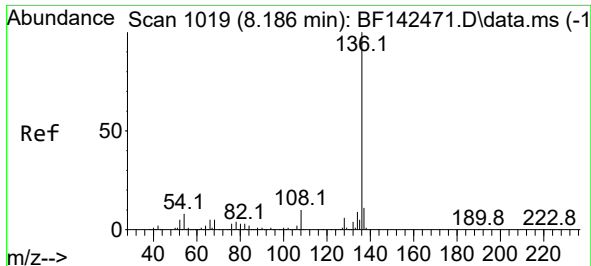
Tgt Ion: 99 Resp: 957377
Ion Ratio Lower Upper
99 100
42 19.7 16.2 24.2
71 33.6 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.326 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

Tgt Ion: 70 Resp: 84613
Ion Ratio Lower Upper
70 100
42 51.9 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: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142542.D

Acq: 23 May 2025 18:29

Instrument :

BNA_F

ClientSampleId :

TP-02-MHF

Tgt Ion:136 Resp: 452078

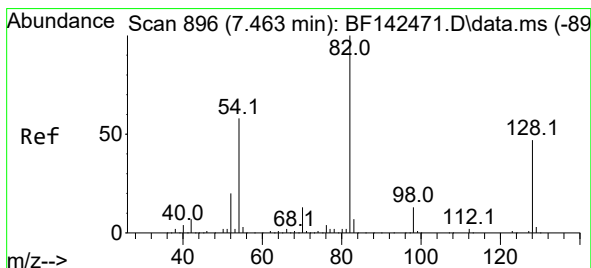
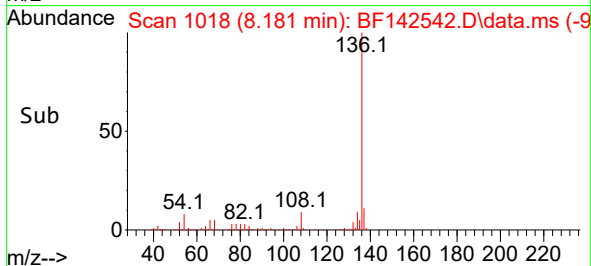
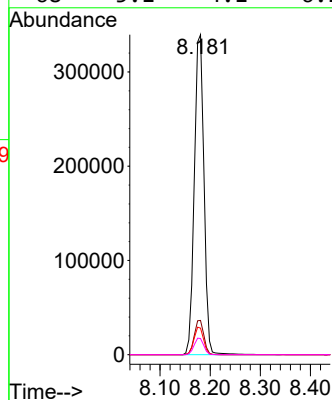
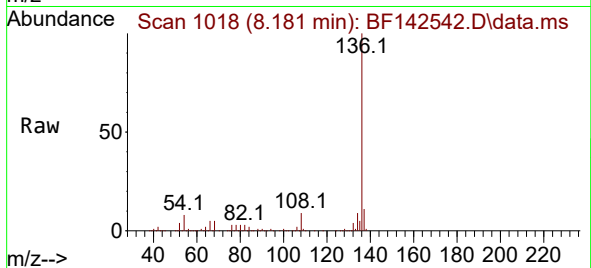
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.3 6.6 10.0

68 5.1 4.1 6.1



#23

Nitrobenzene-d5

Concen: 76.875 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142542.D

Acq: 23 May 2025 18:29

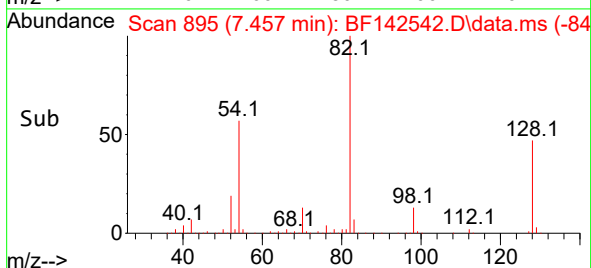
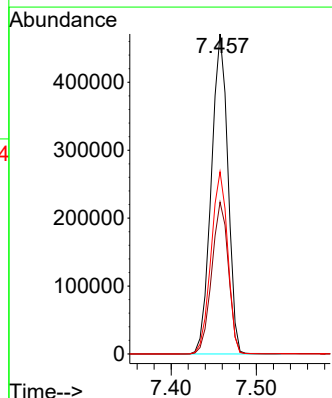
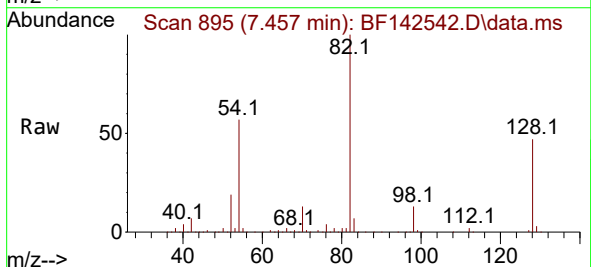
Tgt Ion: 82 Resp: 637338

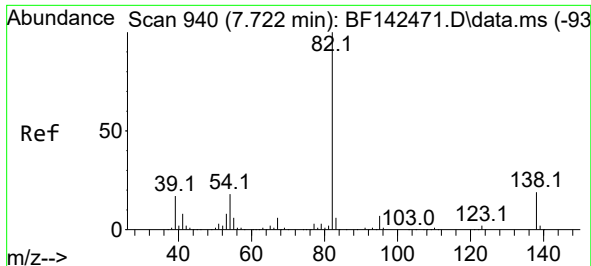
Ion Ratio Lower Upper

82 100

128 47.5 37.4 56.2

54 56.9 46.6 70.0

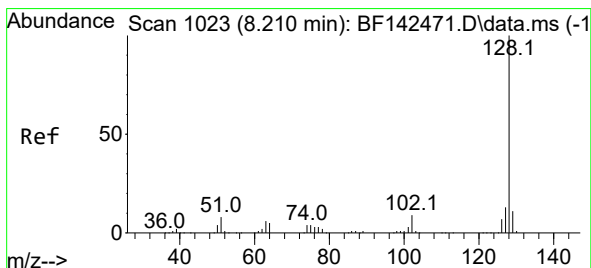
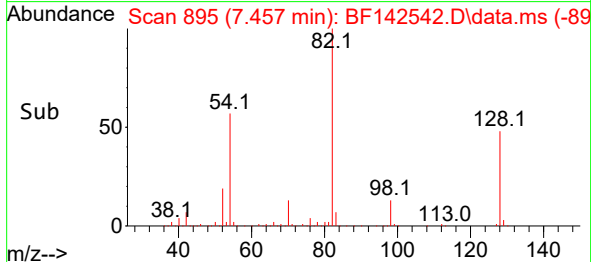
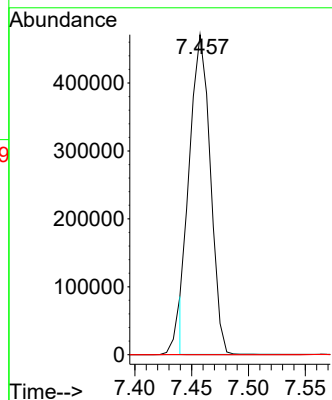
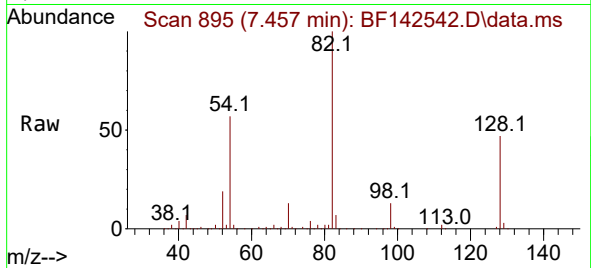




#25
Isophorone
Concen: 42.961 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

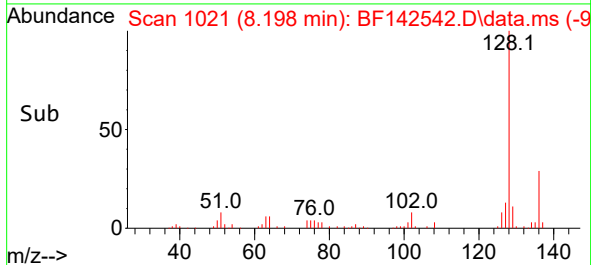
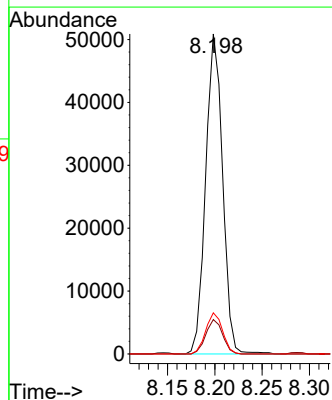
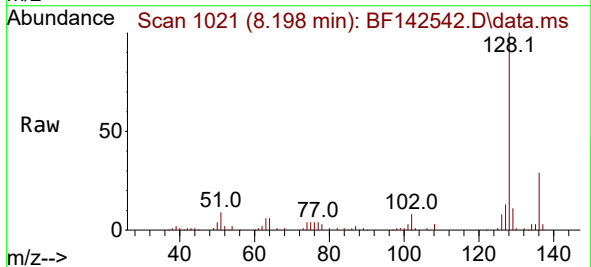
Instrument :
BNA_F
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TP-02-MHF

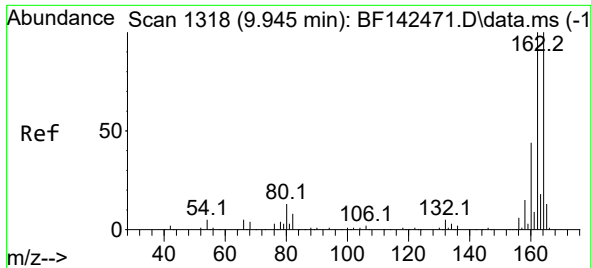
Tgt Ion: 82 Resp: 595502
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#31
Naphthalene
Concen: 2.846 ng
RT: 8.198 min Scan# 1021
Delta R.T. -0.011 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

Tgt Ion:128 Resp: 63358
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.9 10.5 15.7

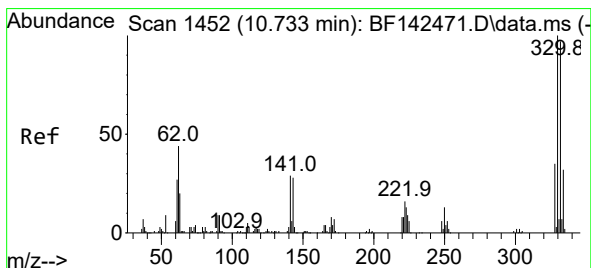
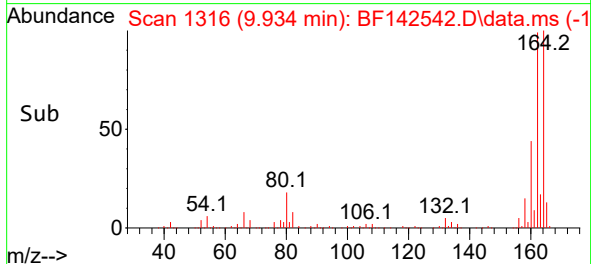
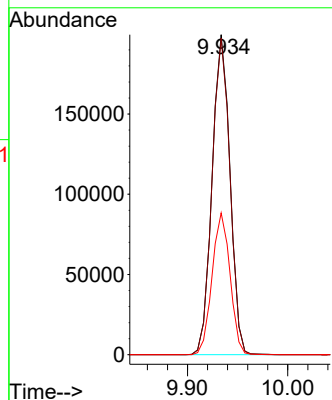
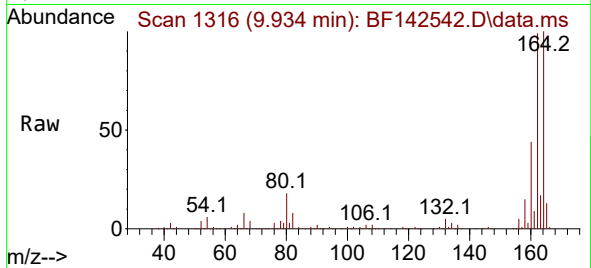




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

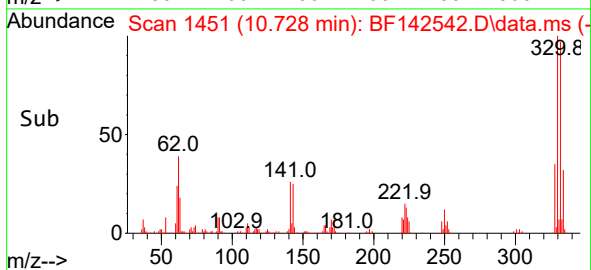
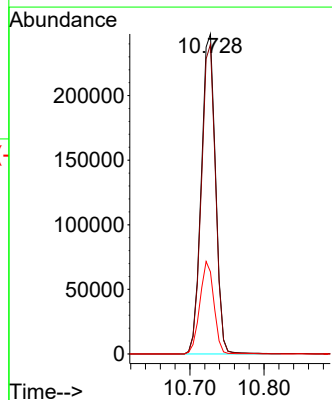
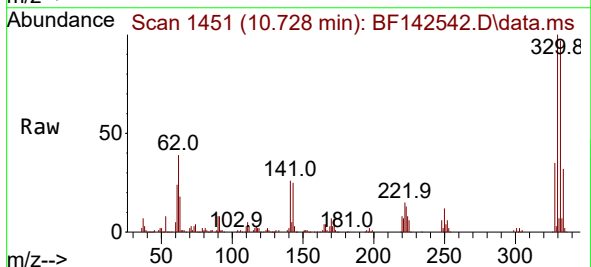
Instrument :
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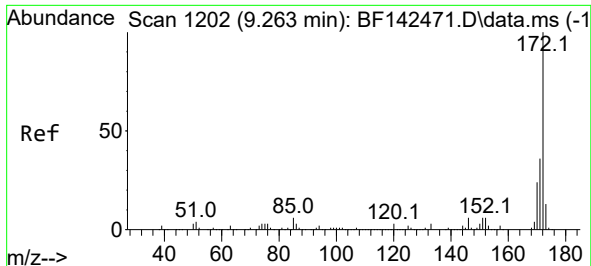
Tgt Ion:164 Resp: 247439
Ion Ratio Lower Upper
164 100
162 98.9 80.2 120.4
160 44.3 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 120.616 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.011 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

Tgt Ion:330 Resp: 331242
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 28.5 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 71.614 ng

RT: 9.257 min Scan# 1316

Delta R.T. -0.011 min

Lab File: BF142542.D

Acq: 23 May 2025 18:29

Instrument :

BNA_F

ClientSampleId :

TP-02-MHF

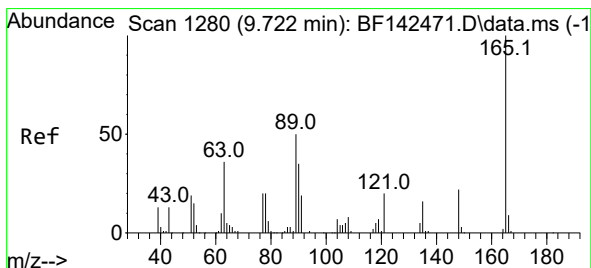
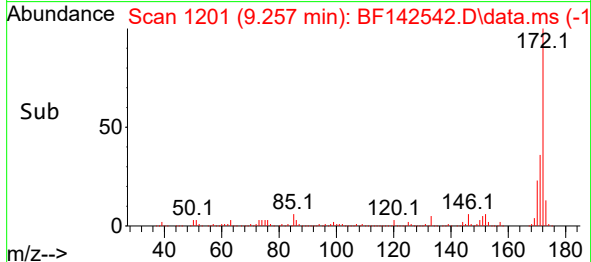
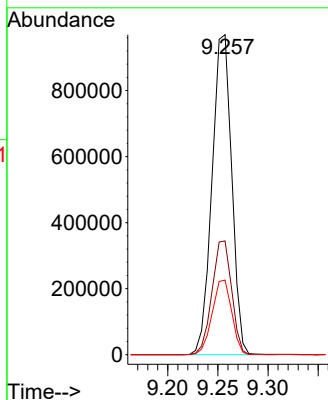
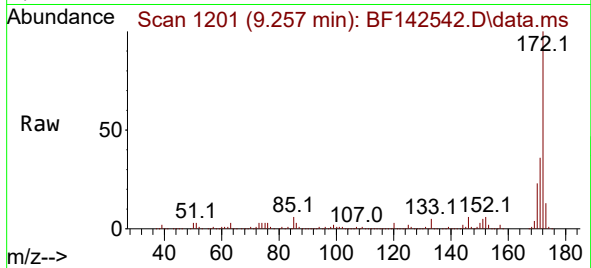
Tgt Ion:172 Resp: 1320565

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.3 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.908 ng

RT: 9.934 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142542.D

Acq: 23 May 2025 18:29

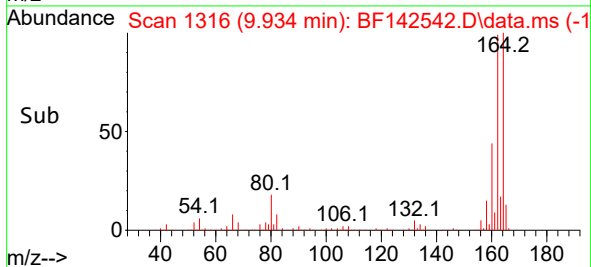
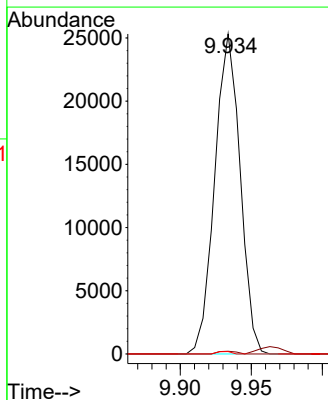
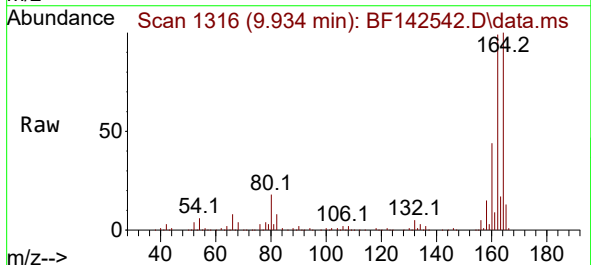
Tgt Ion:165 Resp: 31391

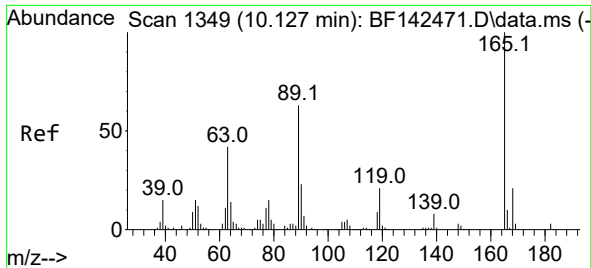
Ion Ratio Lower Upper

165 100

63 0.8 42.9 64.3#

89 0.8 40.2 60.4#

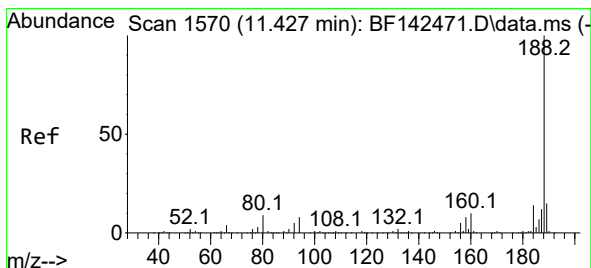
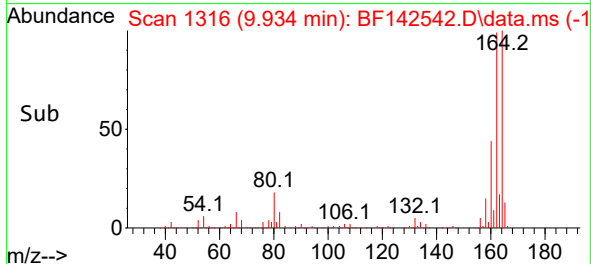
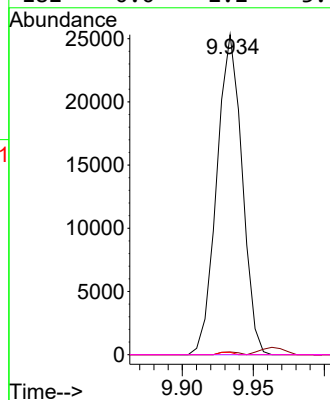
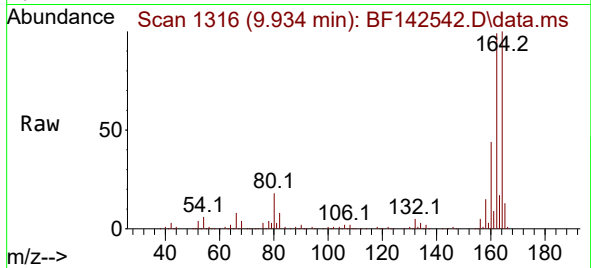




#57
2,4-Dinitrotoluene
Concen: 6.821 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

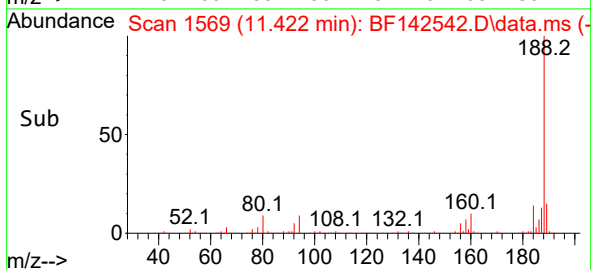
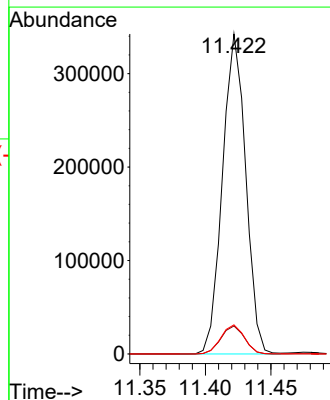
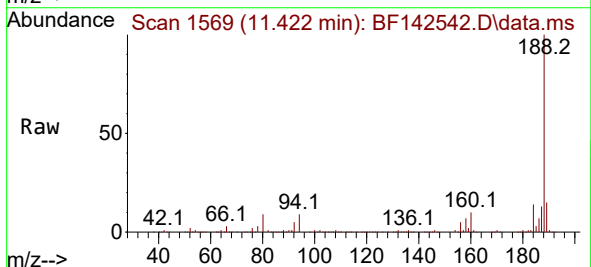
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BNA_F
ClientSampleId :
TP-02-MHF

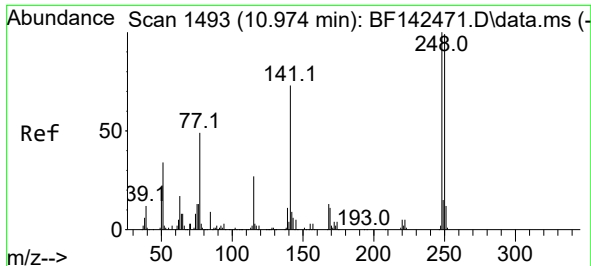
Tgt Ion:165 Resp: 31391
Ion Ratio Lower Upper
165 100
63 0.8 33.6 50.4#
89 0.8 50.2 75.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.011 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

Tgt Ion:188 Resp: 421791
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.1 7.4 11.0

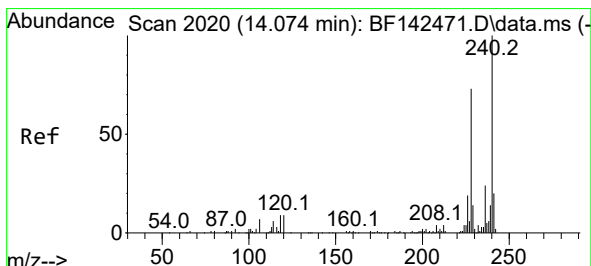
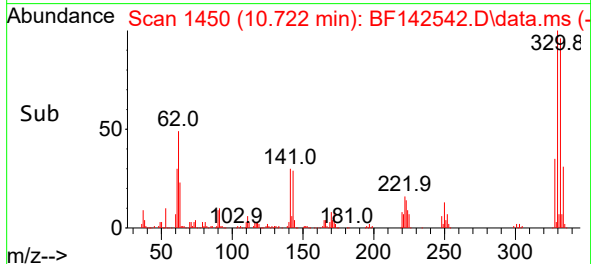
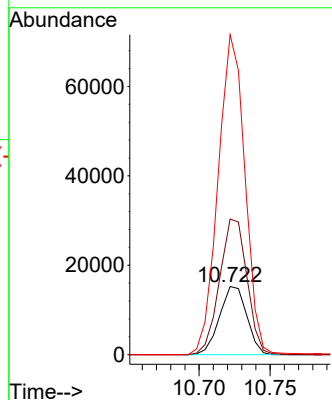
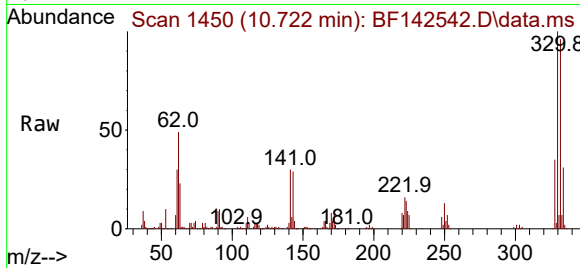




#67
4-Bromophenyl-phenylether
Concen: 4.092 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

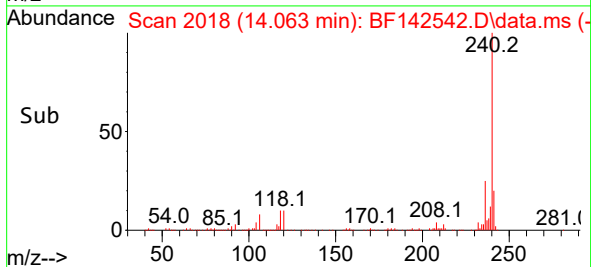
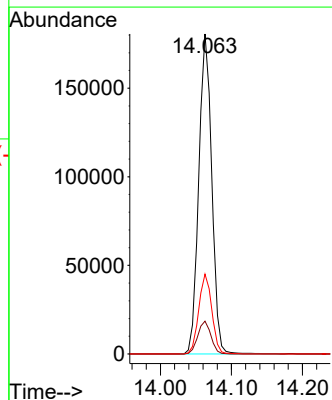
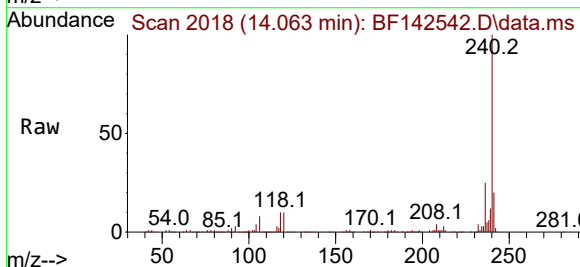
Instrument :
BNA_F
ClientSampleId :
TP-02-MHF

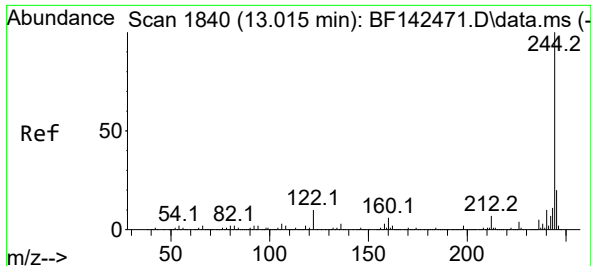
Tgt Ion:248 Resp: 20410
Ion Ratio Lower Upper
248 100
250 198.9 79.0 118.4#
141 469.3 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142542.D
Acq: 23 May 2025 18:29

Tgt Ion:240 Resp: 230163
Ion Ratio Lower Upper
240 100
120 10.3 7.5 11.3
236 25.0 19.6 29.4

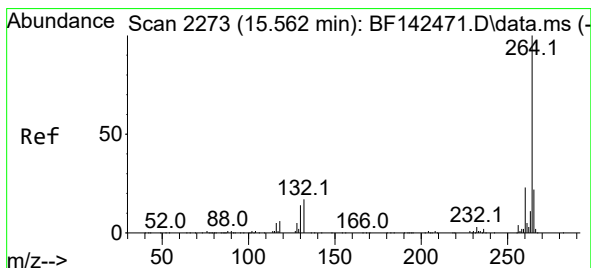
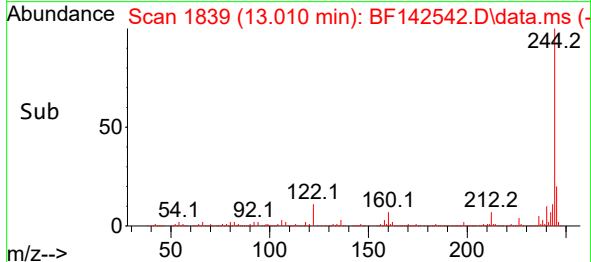
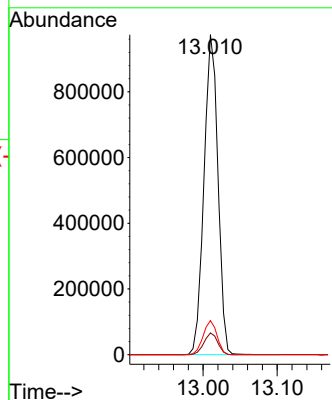
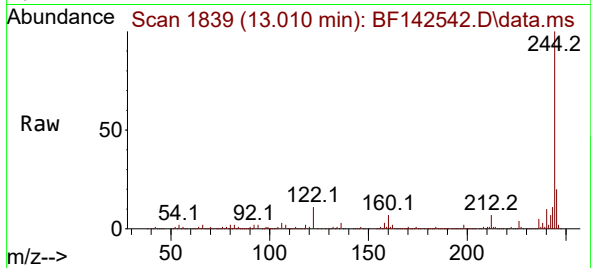




#79
 Terphenyl-d14
 Concen: 75.577 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142542.D
 Acq: 23 May 2025 18:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-02-MHF

Tgt Ion:244 Resp: 1272918
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.3 7.9
 122 10.7 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: BF142542.D
 Acq: 23 May 2025 18:29

Tgt Ion:264 Resp: 243424
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 20.8 17.7 26.5

