

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142522.D
 Acq On : 22 May 2025 20:53
 Operator : RC/JU
 Sample : Q2097-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3888

Quant Time: May 23 01:24:17 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)

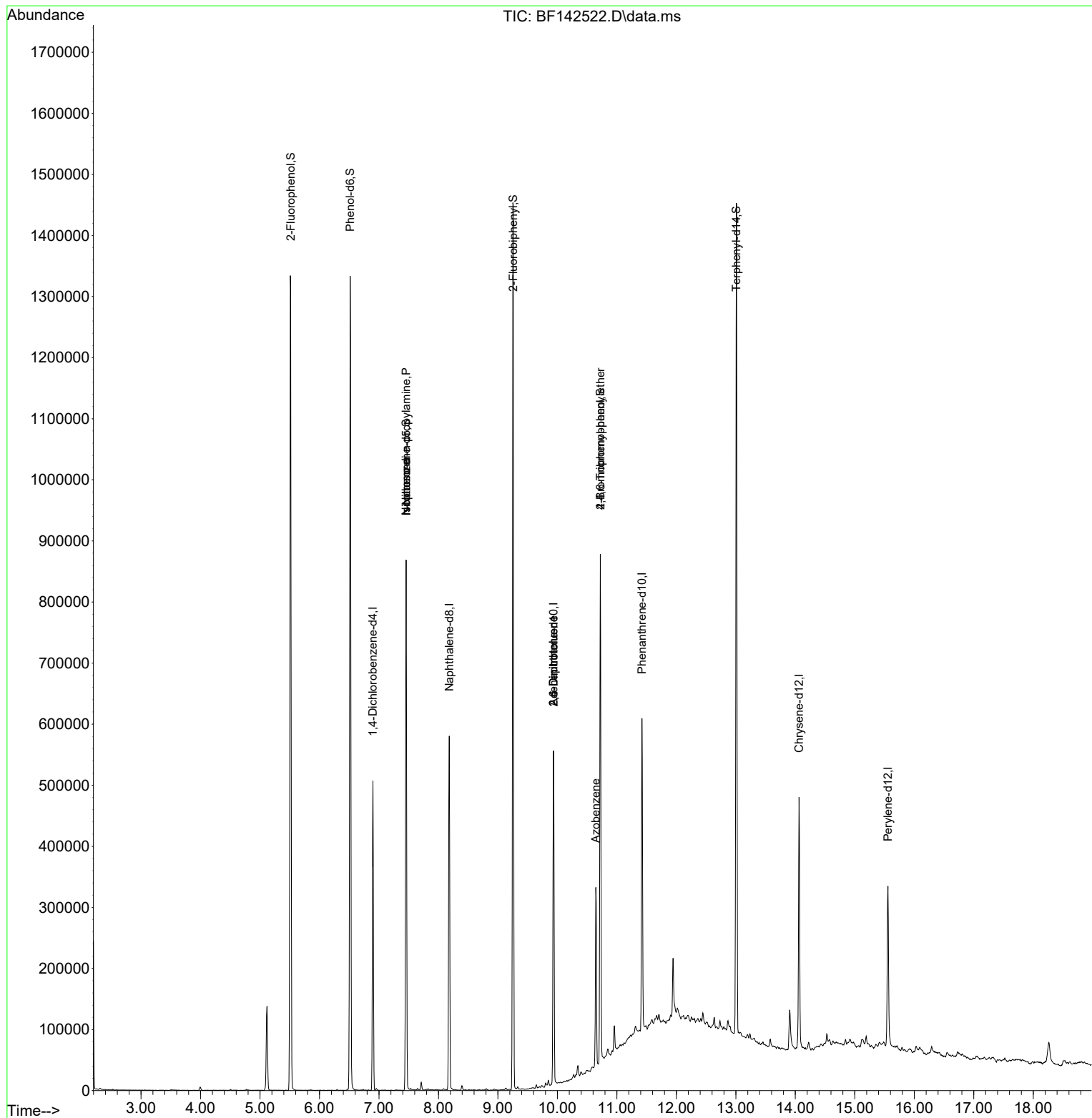
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	109172	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	367273	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	162490	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	265273	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	197016	20.000	ng	-0.01
86) Perylene-d12	15.557	264	159045	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	525977	81.169	ng	0.00
7) Phenol-d6	6.516	99	620897	79.599	ng	-0.02
23) Nitrobenzene-d5	7.457	82	360242	53.485	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	142661	79.105	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	673589	55.626	ng	-0.01
79) Terphenyl-d14	13.010	244	654137	45.372	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	48438	10.020	ng	# 76
25) Isophorone	7.457	82	341923	30.363	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	20482	8.851	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	20482	6.777	ng	# 28
63) Azobenzene	10.645	77	71443	7.596	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8960	2.857	ng	# 1

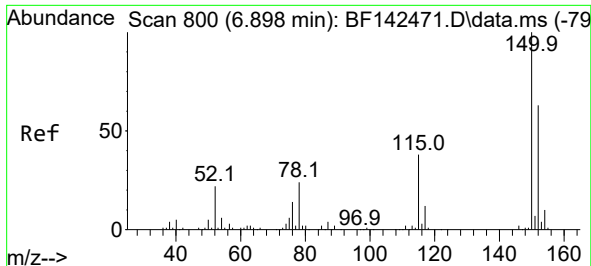
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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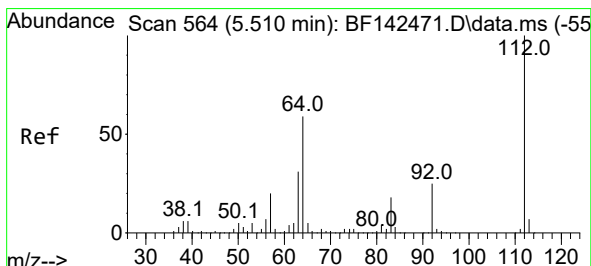
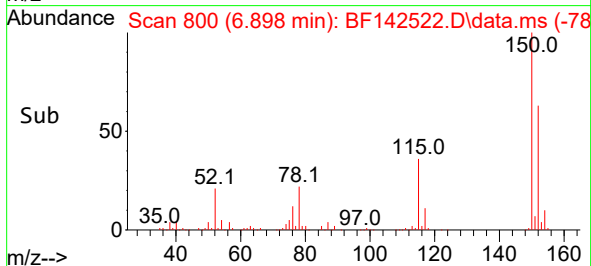
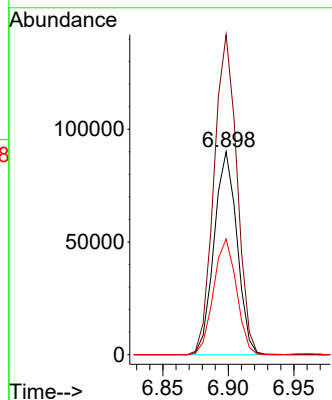
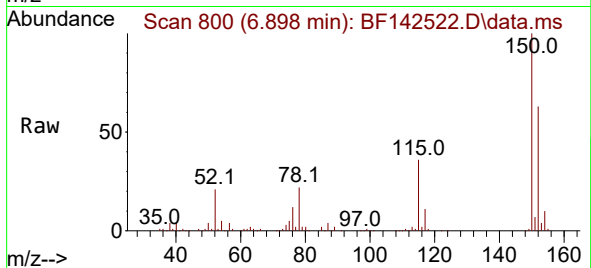




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142522.D
 Acq: 22 May 2025 20:53

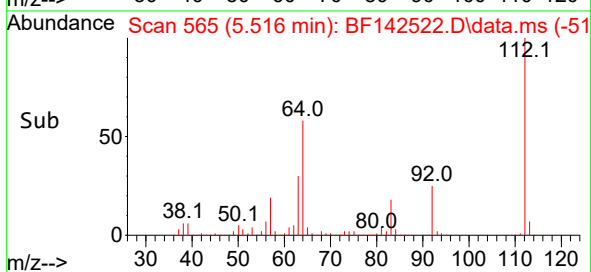
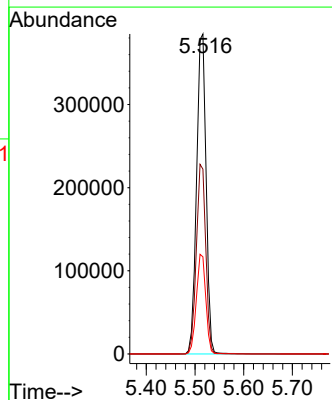
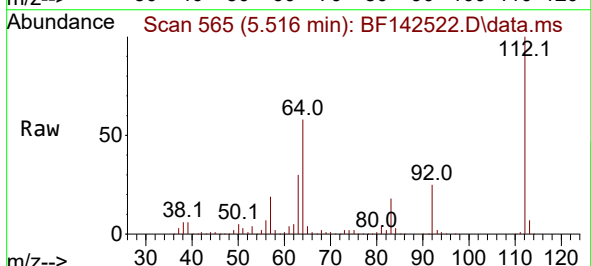
Instrument :
 BNA_F
 ClientSampleId :
 RT-3888

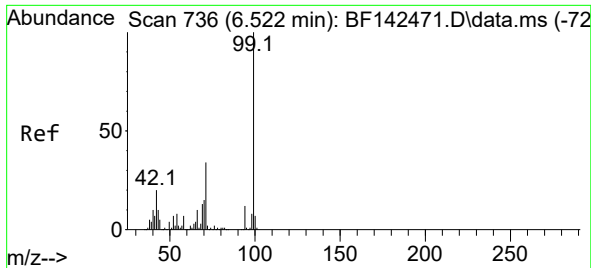
Tgt Ion:152 Resp: 109172
 Ion Ratio Lower Upper
 152 100
 150 157.6 128.2 192.4
 115 56.9 48.3 72.5



#5
 2-Fluorophenol
 Concen: 81.169 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142522.D
 Acq: 22 May 2025 20:53

Tgt Ion:112 Resp: 525977
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.5 71.3
 63 30.4 24.9 37.3

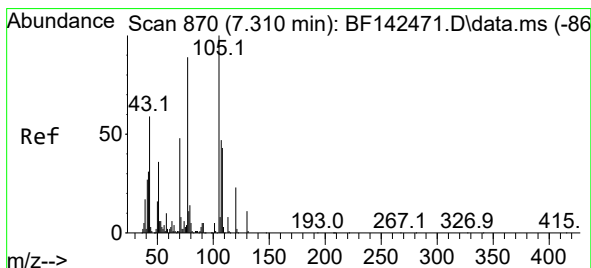
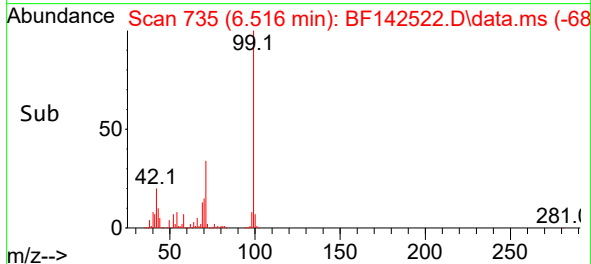
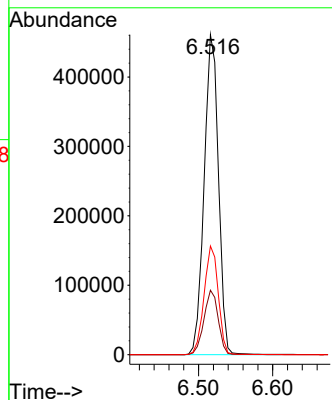
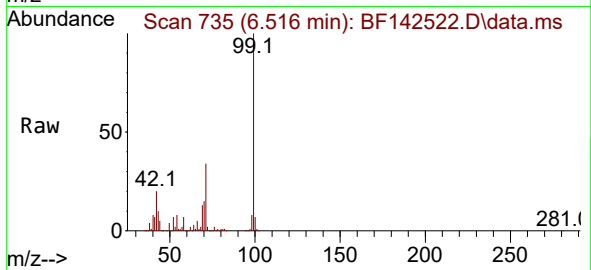




#7
Phenol-d6
Concen: 79.599 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

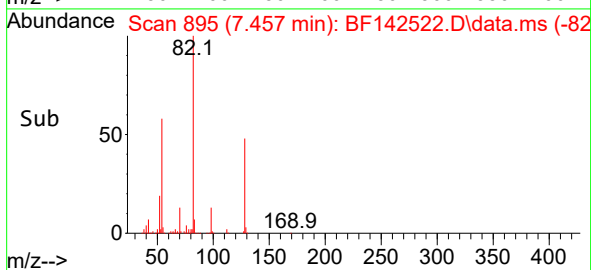
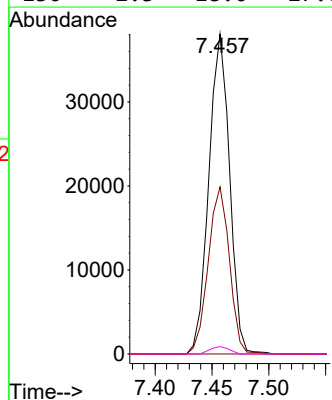
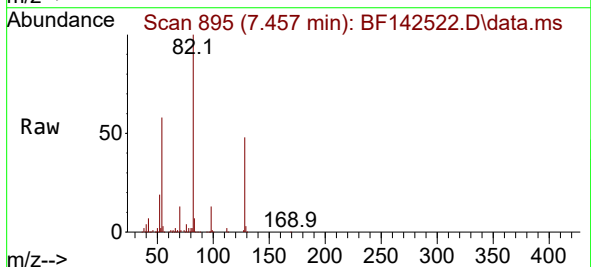
Instrument :
BNA_F
ClientSampleId :
RT-3888

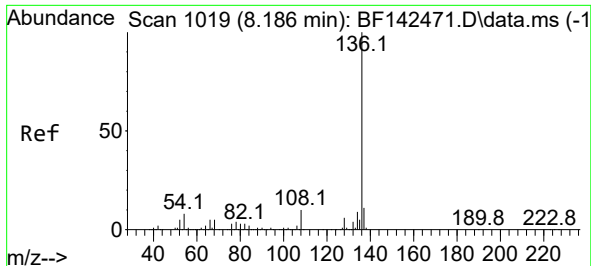
Tgt Ion: 99 Resp: 620897
Ion Ratio Lower Upper
99 100
42 20.2 16.2 24.2
71 34.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.020 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

Tgt Ion: 70 Resp: 48438
Ion Ratio Lower Upper
70 100
42 52.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#



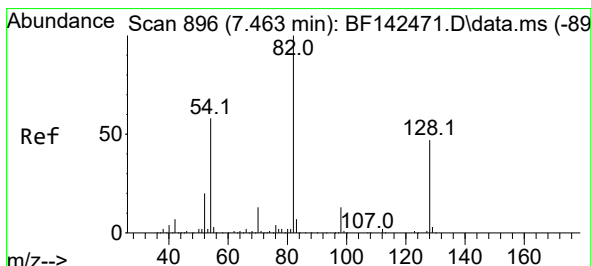
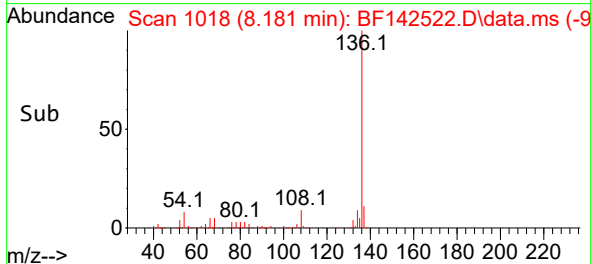
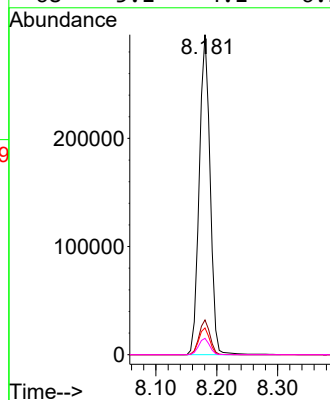
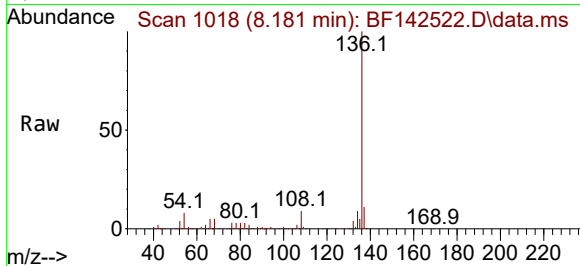


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

Instrument :
BNA_F
ClientSampleId :
RT-3888

Tgt Ion:136 Resp: 367273

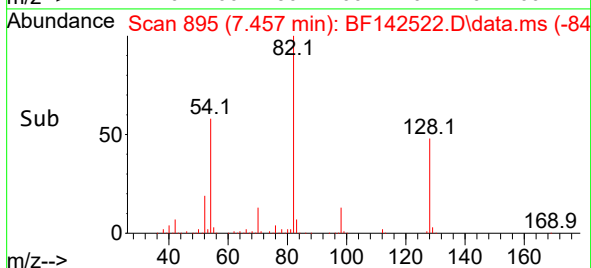
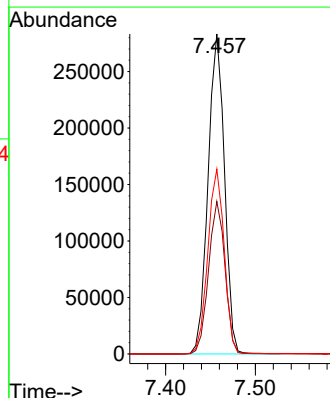
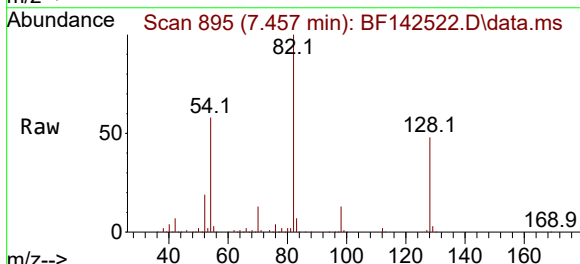
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.3	6.6	10.0
68	5.1	4.1	6.1

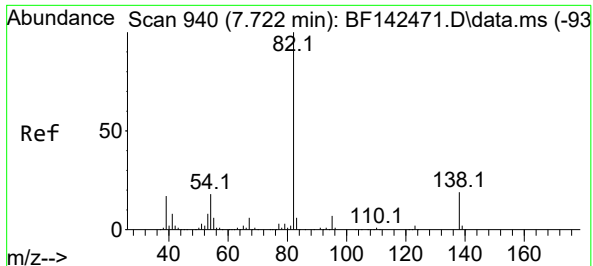


#23
Nitrobenzene-d5
Concen: 53.485 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

Tgt Ion: 82 Resp: 360242

Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.4	56.2
54	57.7	46.6	70.0

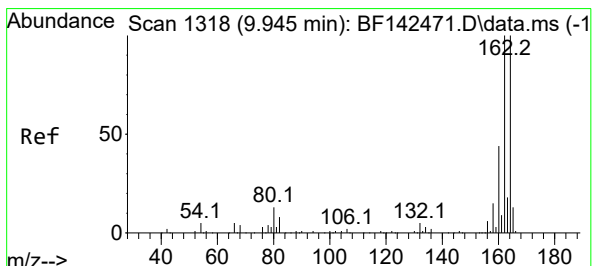
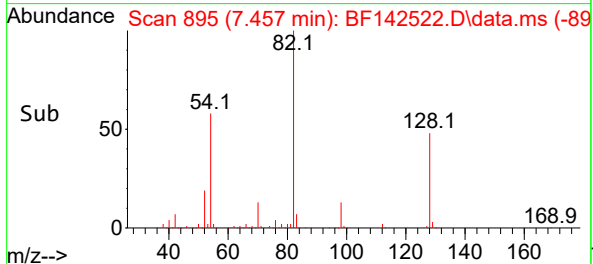
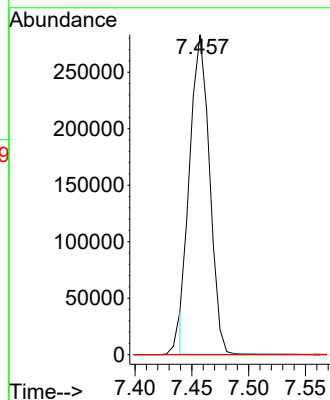
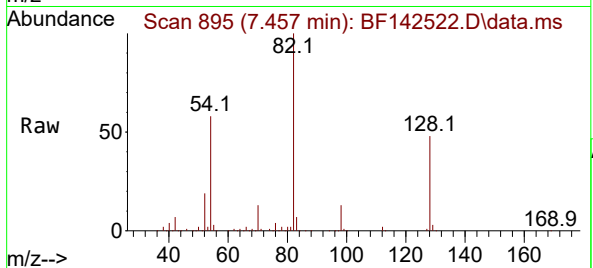




#25
Isophorone
Concen: 30.363 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

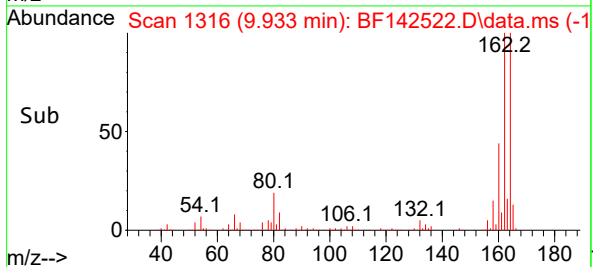
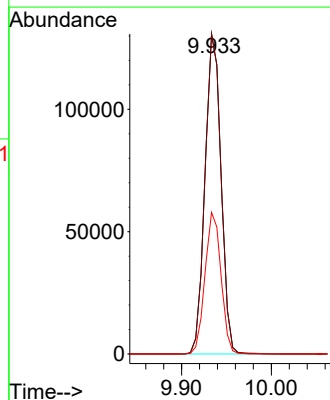
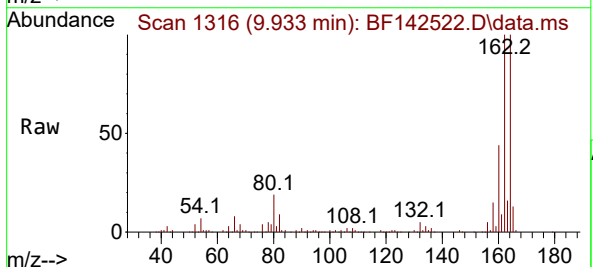
Instrument :
BNA_F
ClientSampleId :
RT-3888

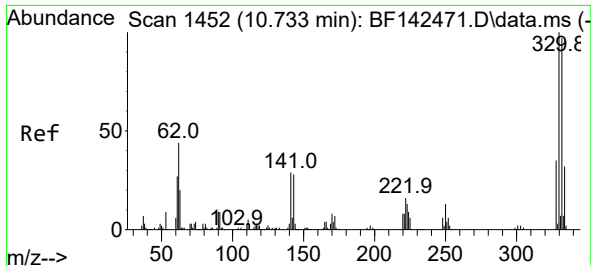
Tgt Ion: 82 Resp: 341923
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

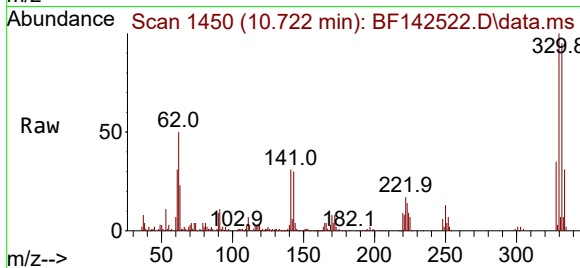
Tgt Ion:164 Resp: 162490
Ion Ratio Lower Upper
164 100
162 100.0 80.2 120.4
160 44.3 35.6 53.4



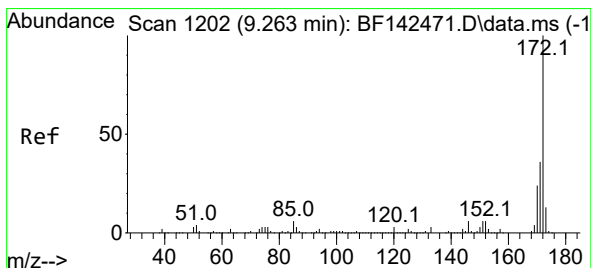
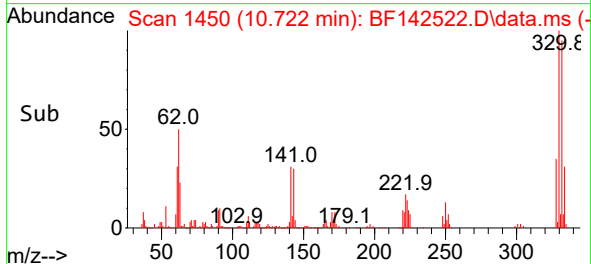
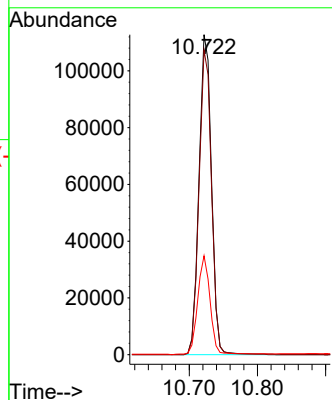


#42
2,4,6-Tribromophenol
Concen: 79.105 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

Instrument :
BNA_F
ClientSampleId :
RT-3888

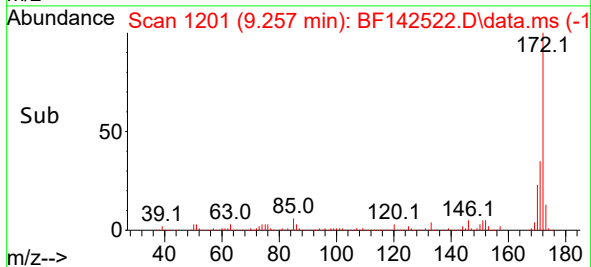
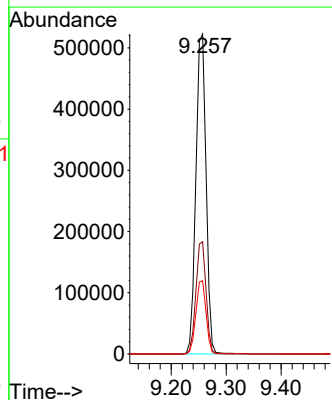
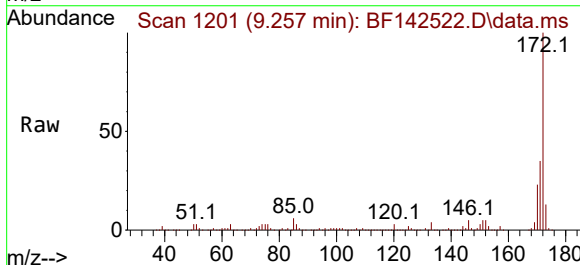


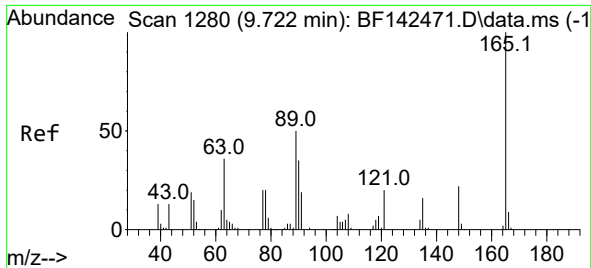
Tgt Ion:330 Resp: 142661
Ion Ratio Lower Upper
330 100
332 95.2 77.6 116.4
141 31.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 55.626 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

Tgt Ion:172 Resp: 673589
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 22.9 18.9 28.3

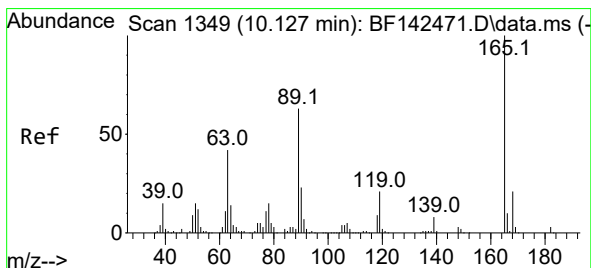
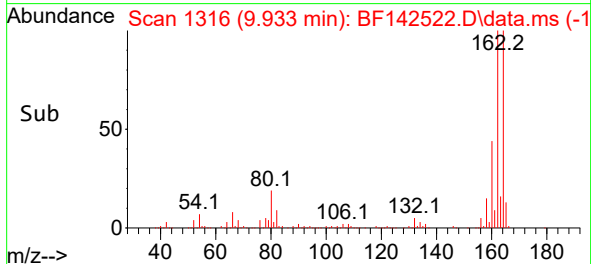
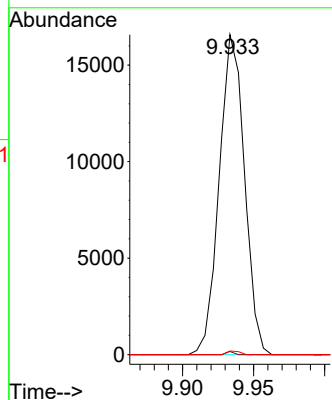
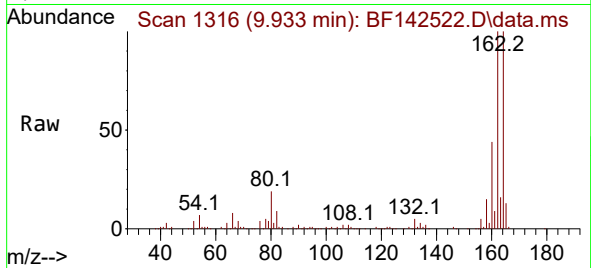




#51
2,6-Dinitrotoluene
Concen: 8.851 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

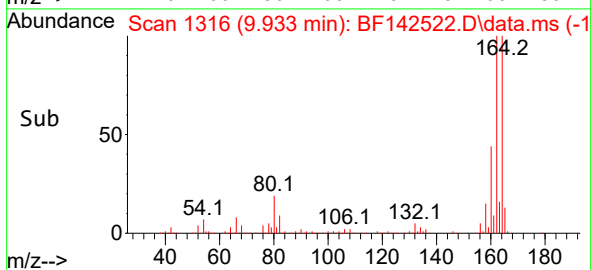
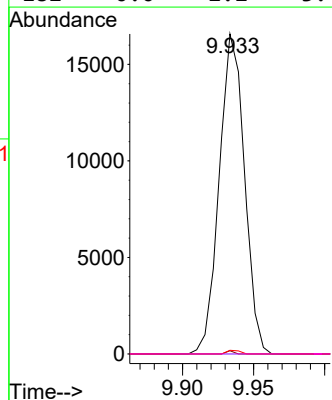
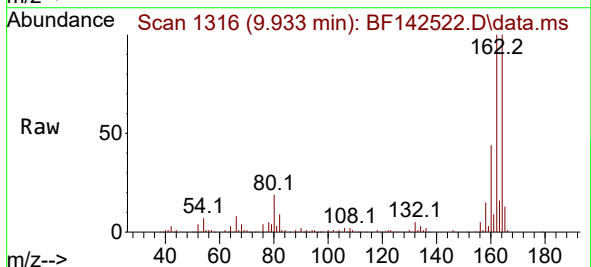
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BNA_F
ClientSampleId :
RT-3888

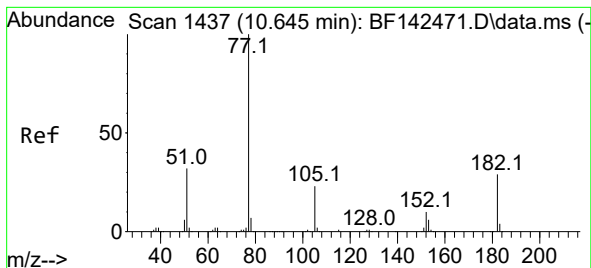
Tgt Ion:165 Resp: 20482
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 1.2 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.777 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

Tgt Ion:165 Resp: 20482
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: 7.596 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142522.D

Acq: 22 May 2025 20:53

Instrument :

BNA_F

ClientSampleId :

RT-3888

Tgt Ion: 77 Resp: 71443

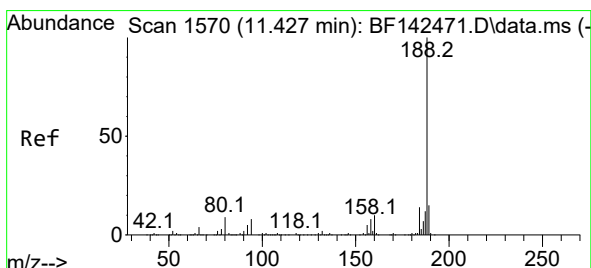
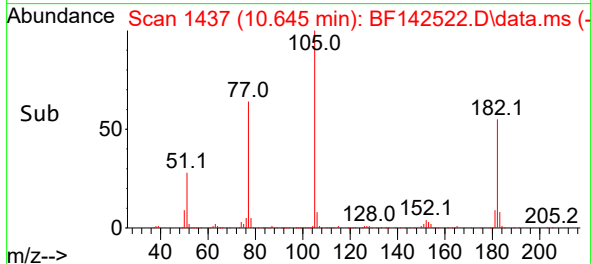
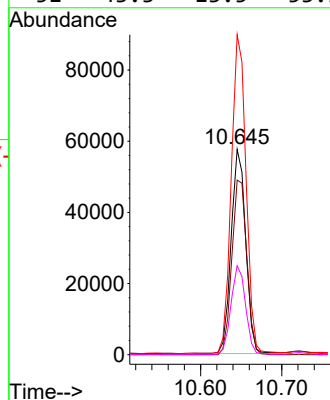
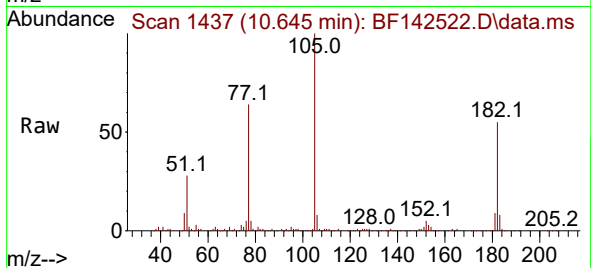
Ion Ratio Lower Upper

77 100

182 85.0 9.0 49.0#

105 155.9 2.4 42.4#

51 43.3 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: BF142522.D

Acq: 22 May 2025 20:53

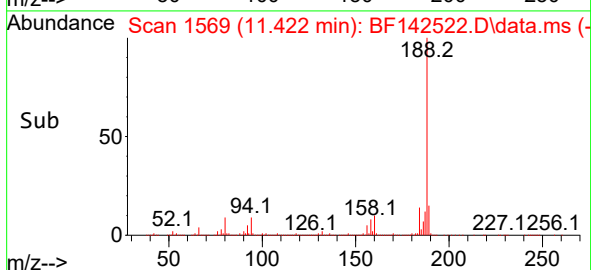
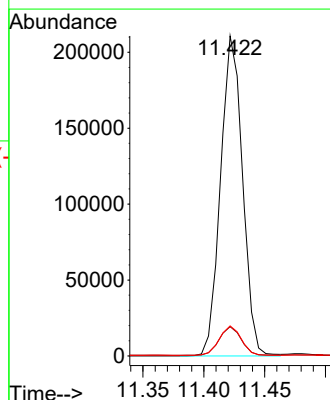
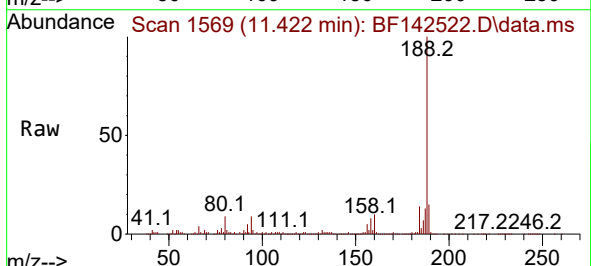
Tgt Ion:188 Resp: 265273

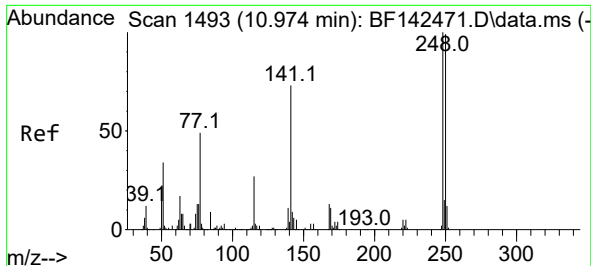
Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.4 7.4 11.0

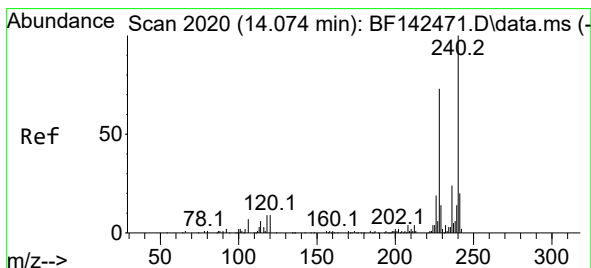
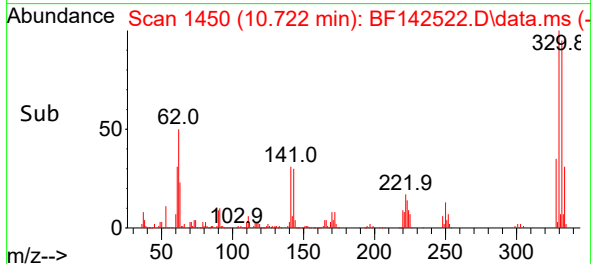
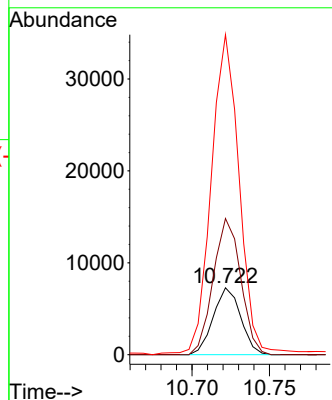
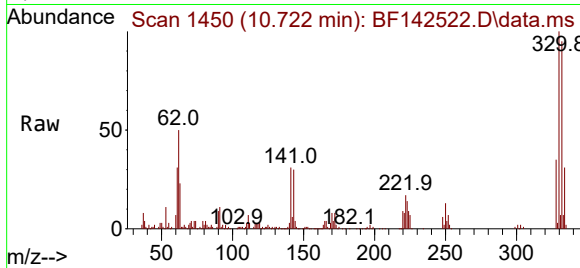




#67
4-Bromophenyl-phenylether
Concen: 2.857 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

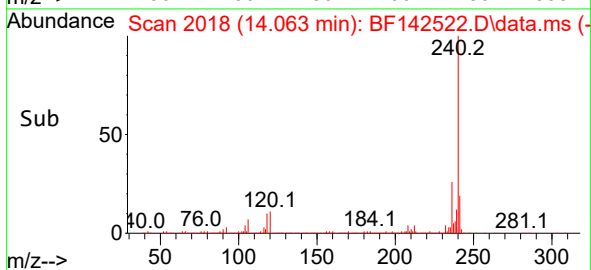
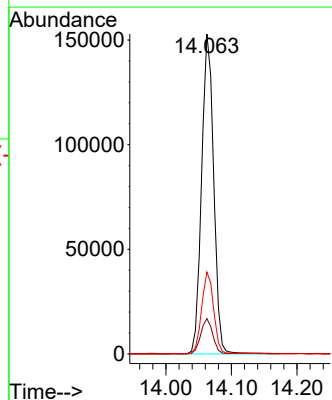
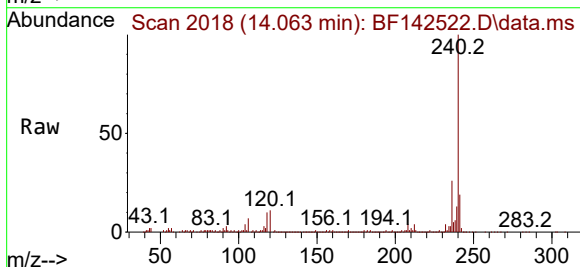
Instrument :
BNA_F
ClientSampleId :
RT-3888

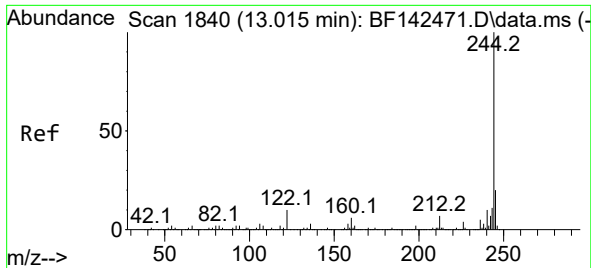
Tgt Ion:248 Resp: 8960
Ion Ratio Lower Upper
248 100
250 203.7 79.0 118.4#
141 478.9 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142522.D
Acq: 22 May 2025 20:53

Tgt Ion:240 Resp: 197016
Ion Ratio Lower Upper
240 100
120 11.0 7.5 11.3
236 25.6 19.6 29.4

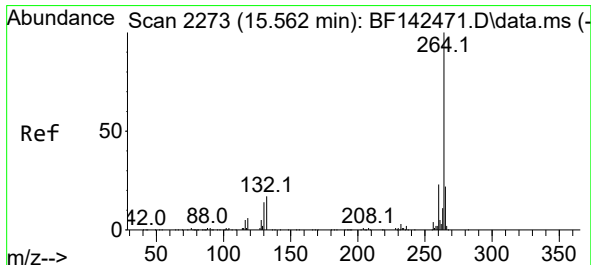
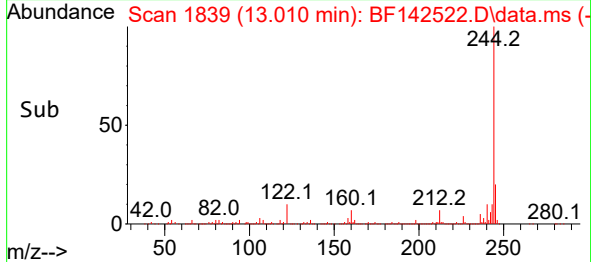
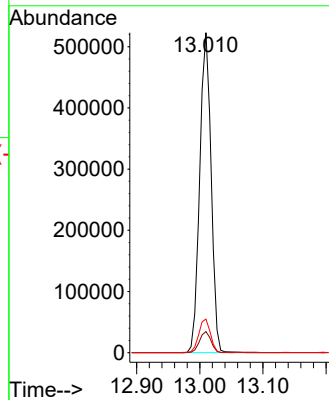
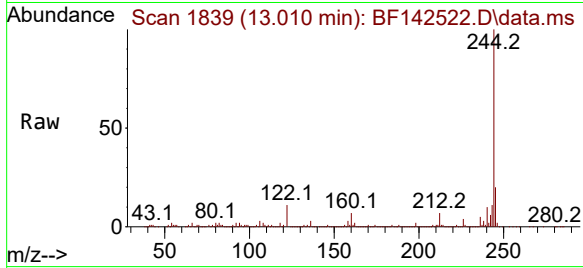




#79
 Terphenyl-d14
 Concen: 45.372 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142522.D
 Acq: 22 May 2025 20:53

Instrument :
 BNA_F
 ClientSampleId :
 RT-3888

Tgt Ion:244 Resp: 654137
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 10.5 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: BF142522.D
 Acq: 22 May 2025 20:53

Tgt Ion:264 Resp: 159045
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 28.0
 265 21.0 17.7 26.5

