

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142582.D
 Acq On : 30 May 2025 21:13
 Operator : RC/JU
 Sample : Q2150-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-53

Quant Time: May 30 22:29:46 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)

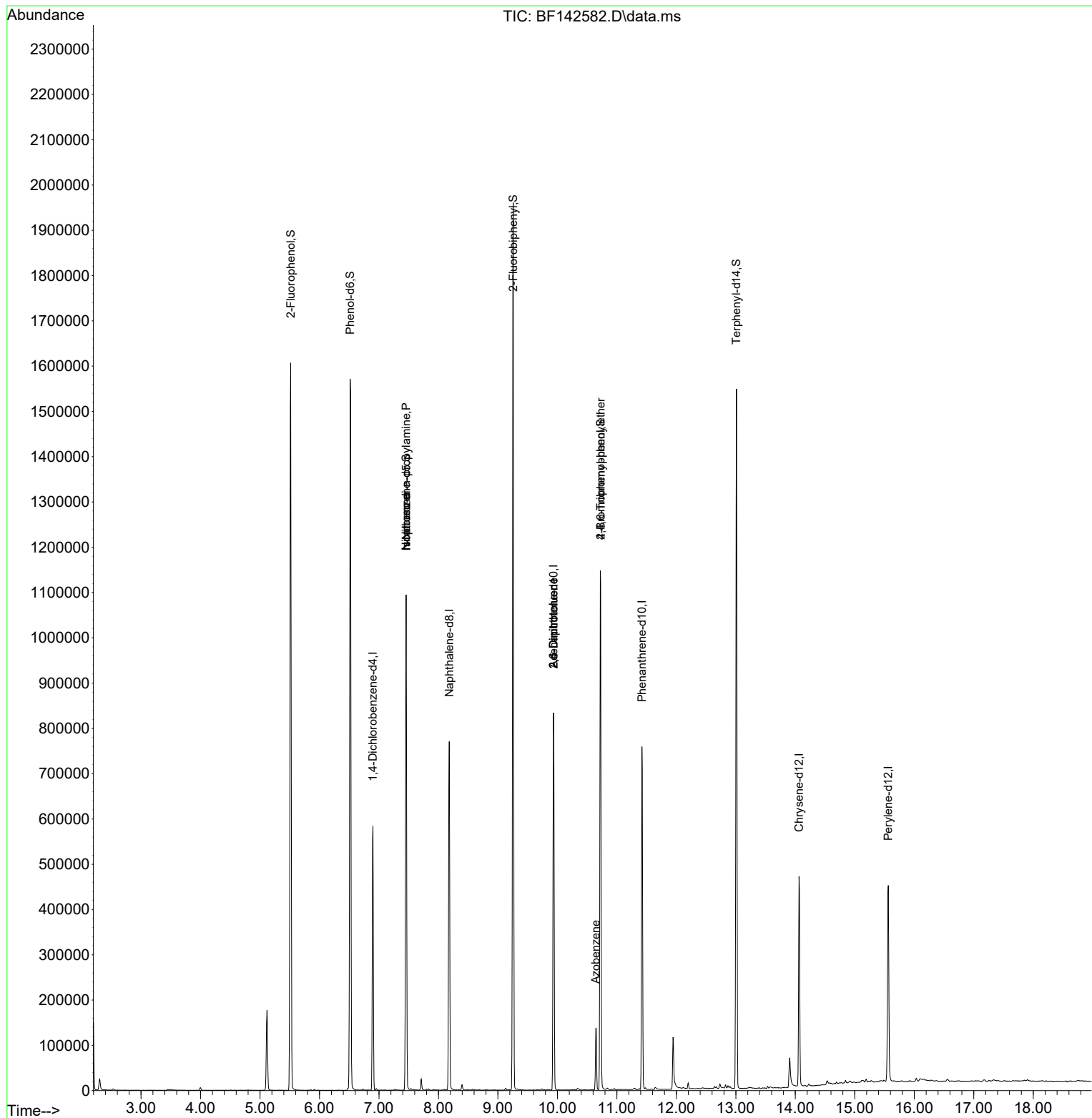
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	130201	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	494621	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	254536	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	398630	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	231944	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	262922	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	638105	82.569	ng	0.00
7) Phenol-d6	6.516	99	781521	84.008	ng	-0.02
23) Nitrobenzene-d5	7.457	82	467367	51.524	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	206735	73.180	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	902888	47.598	ng	-0.01
79) Terphenyl-d14	13.010	244	744692	43.875	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	62060	10.764	ng	# 76
25) Isophorone	7.457	82	440055	29.016	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	32380	8.933	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	32380	6.840	ng	# 28
63) Azobenzene	10.645	77	34400	2.335	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	13500	2.864	ng	# 1

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

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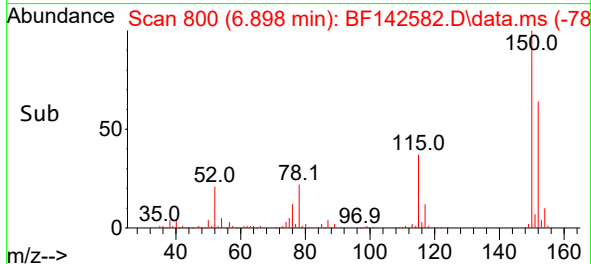
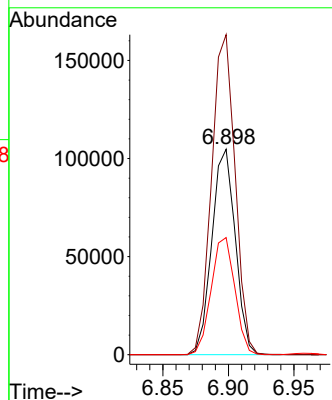
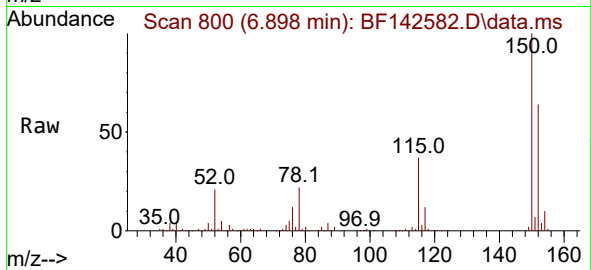




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

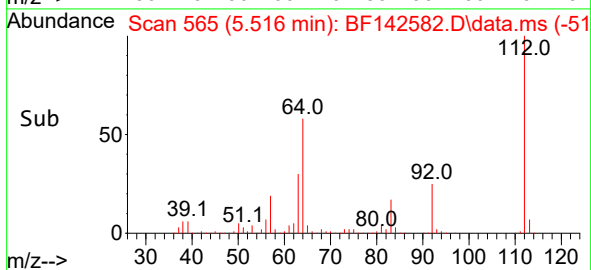
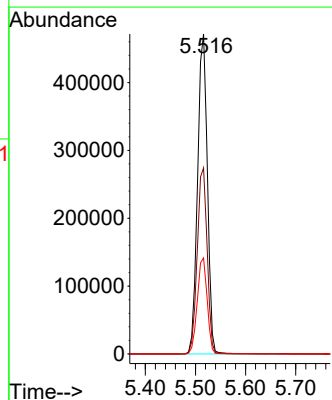
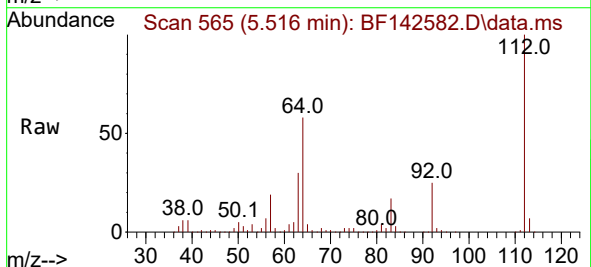
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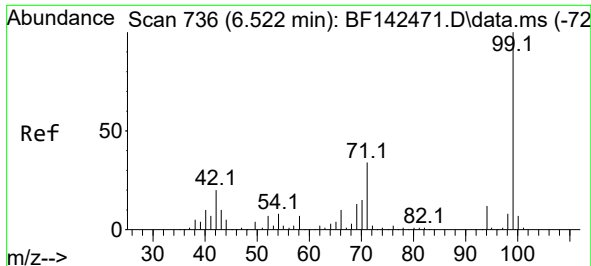
Tgt Ion:152 Resp: 130201
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.0 48.3 72.5



#5
2-Fluorophenol
Concen: 82.569 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:112 Resp: 638105
Ion Ratio Lower Upper
112 100
64 58.1 47.5 71.3
63 30.0 24.9 37.3

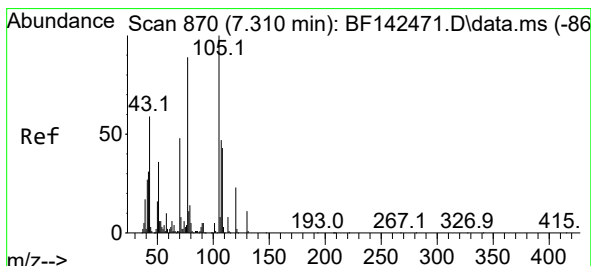
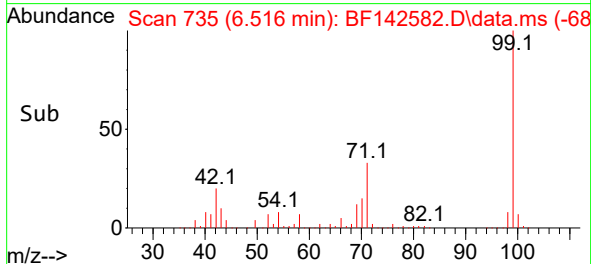
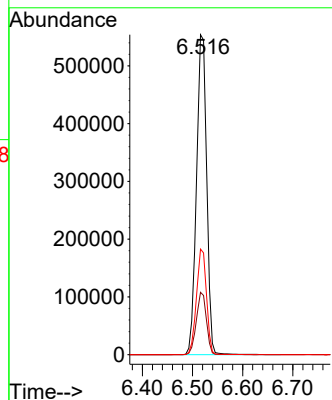
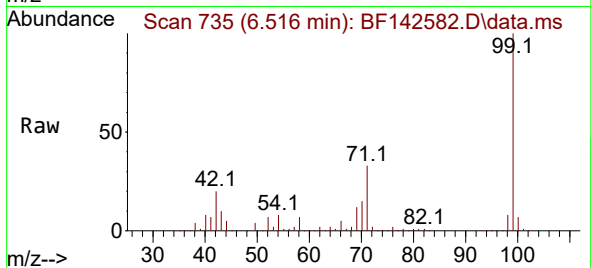




#7
Phenol-d6
Concen: 84.008 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

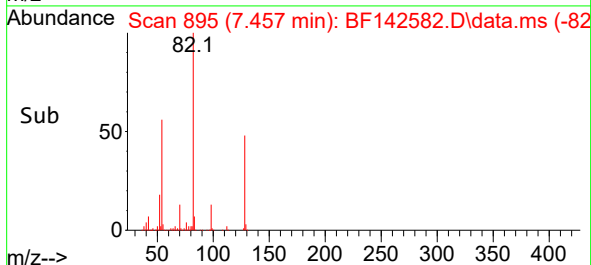
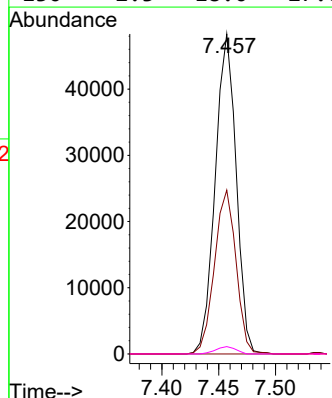
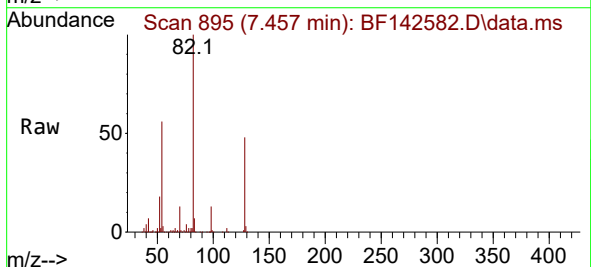
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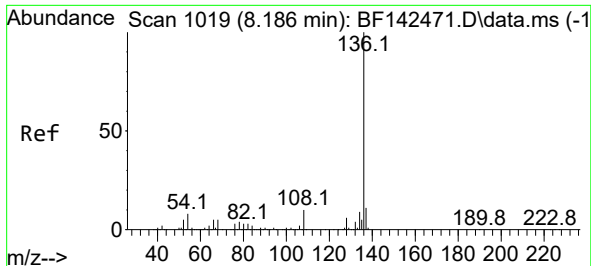
Tgt Ion: 99 Resp: 781521
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.2
71 33.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.764 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion: 70 Resp: 62060
Ion Ratio Lower Upper
70 100
42 51.2 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: BF142582.D

Acq: 30 May 2025 21:13

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 494621

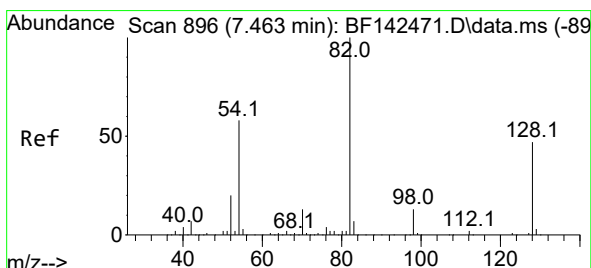
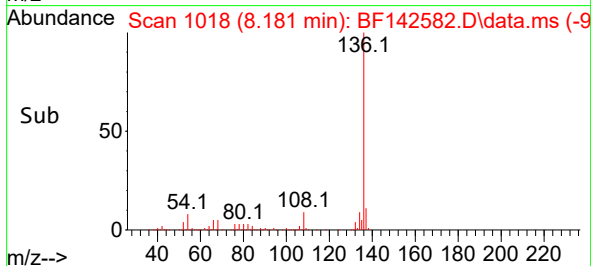
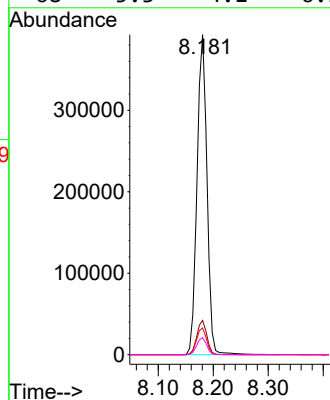
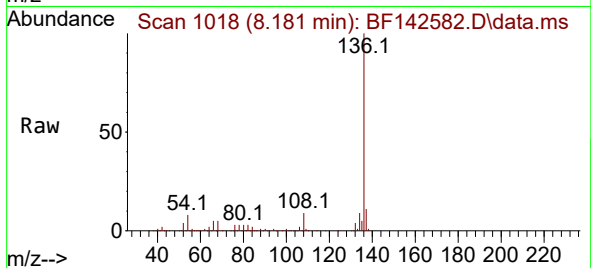
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.4 6.6 10.0

68 5.3 4.1 6.1



#23

Nitrobenzene-d5

Concen: 51.524 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142582.D

Acq: 30 May 2025 21:13

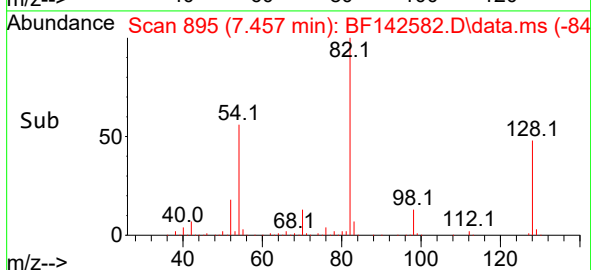
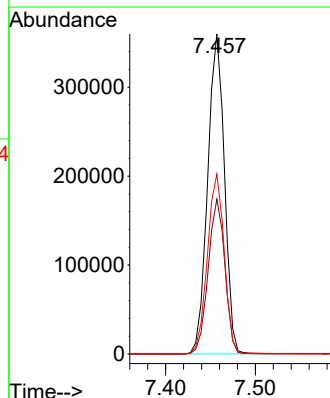
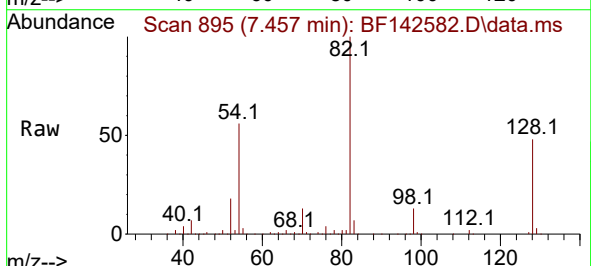
Tgt Ion: 82 Resp: 467367

Ion Ratio Lower Upper

82 100

128 48.4 37.4 56.2

54 56.2 46.6 70.0

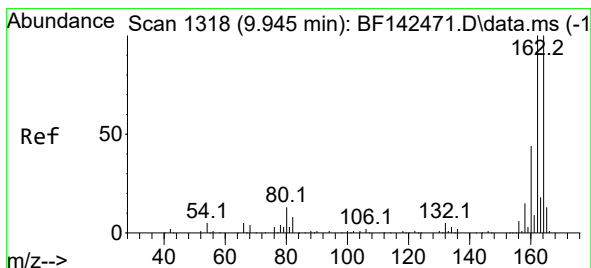
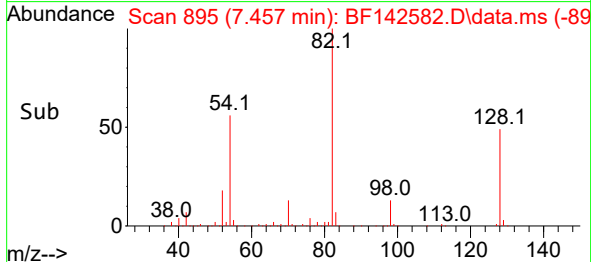
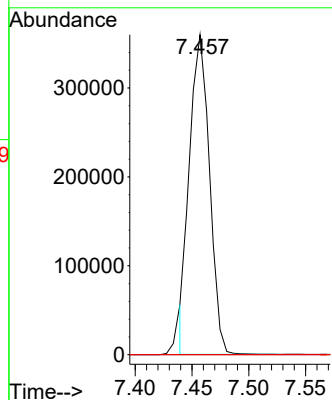
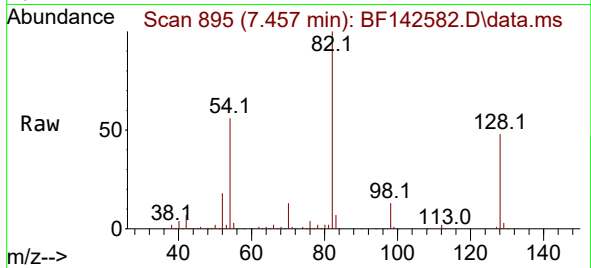




#25
Isophorone
Concen: 29.016 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

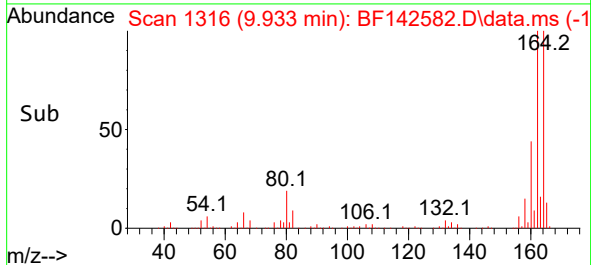
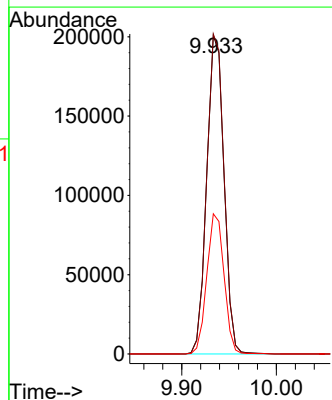
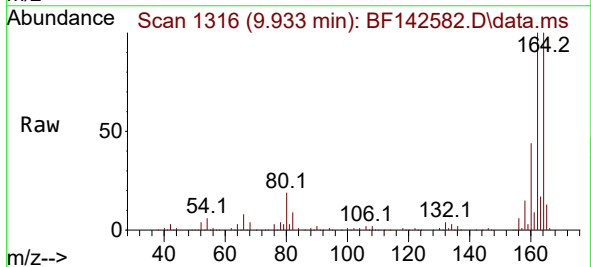
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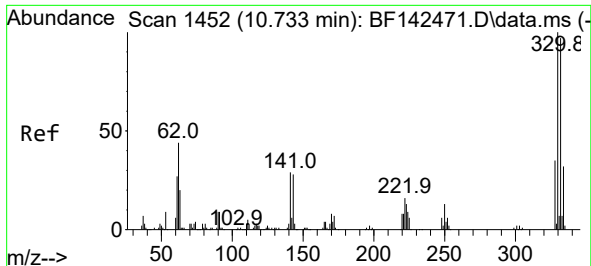
Tgt Ion: 82 Resp: 440055
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion: 164 Resp: 254536
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.4
160 44.0 35.6 53.4

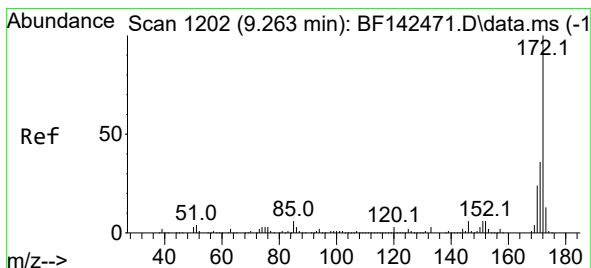
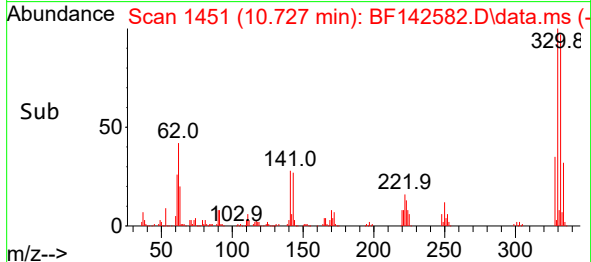
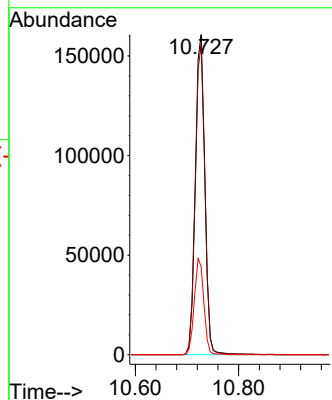
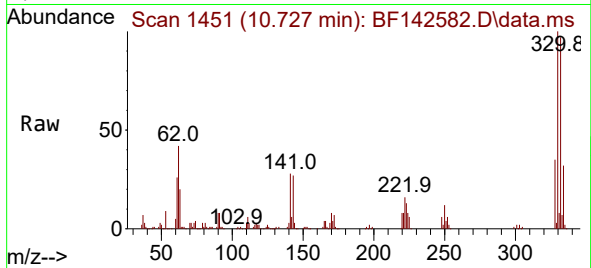




#42
2,4,6-Tribromophenol
Concen: 73.180 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

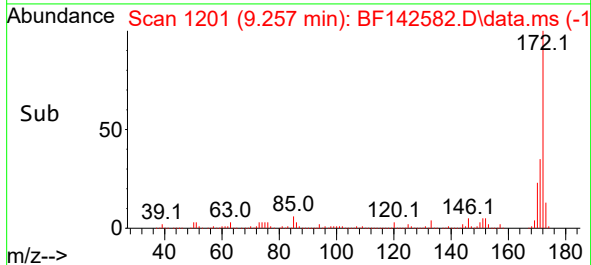
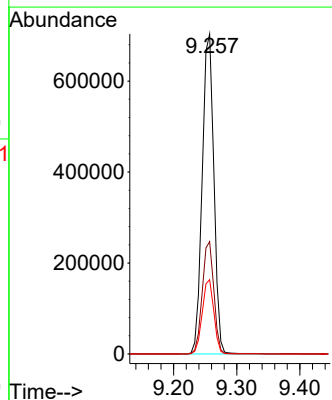
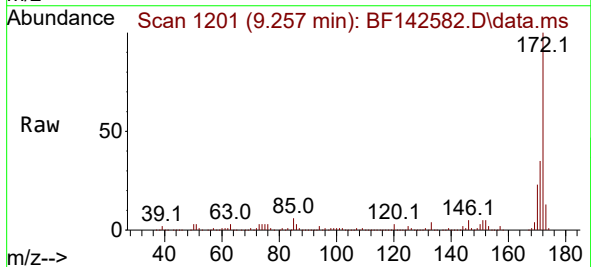
Instrument :
BNA_F
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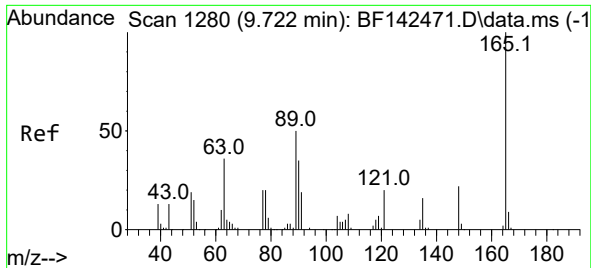
Tgt Ion:330 Resp: 206735
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 29.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 47.598 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:172 Resp: 902888
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 18.9 28.3

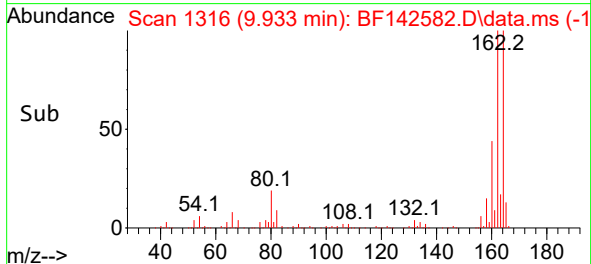
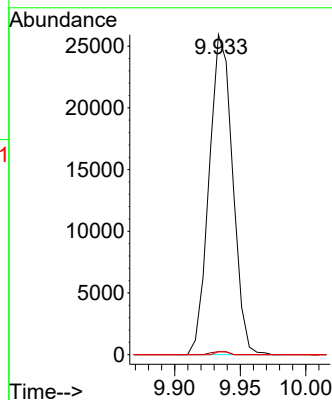
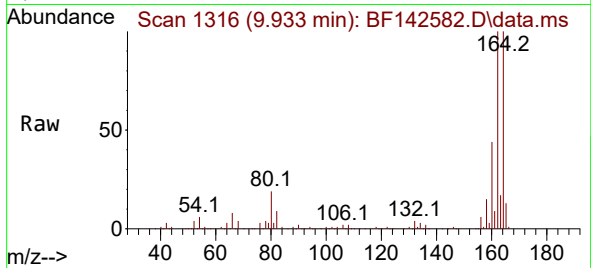




#51
2,6-Dinitrotoluene
Concen: 8.933 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

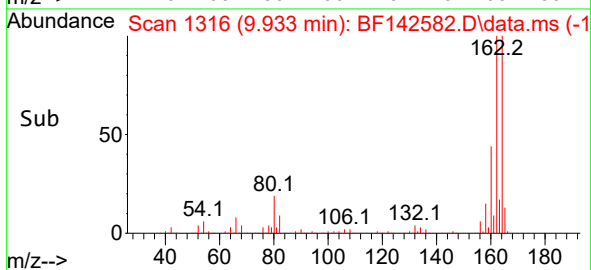
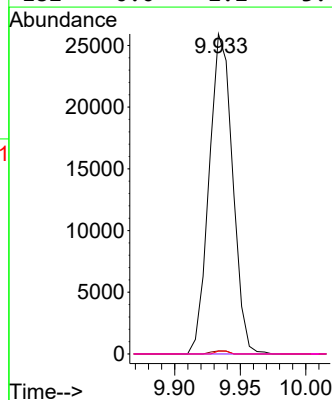
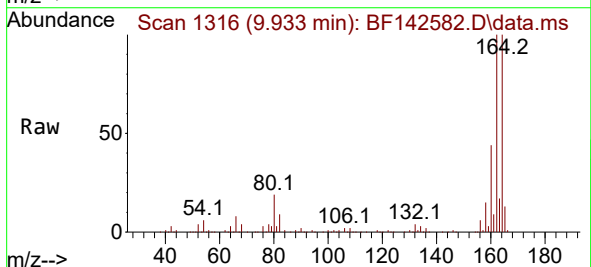
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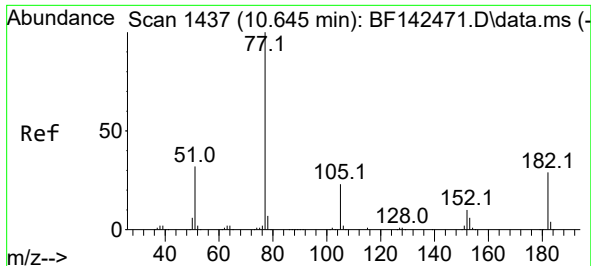
Tgt Ion:165 Resp: 32380
Ion Ratio Lower Upper
165 100
63 0.9 42.9 64.3#
89 0.9 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.840 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:165 Resp: 32380
Ion Ratio Lower Upper
165 100
63 0.9 33.6 50.4#
89 0.9 50.2 75.4#
182 0.0 2.2 3.4#

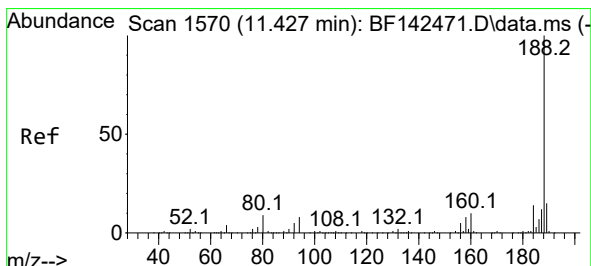
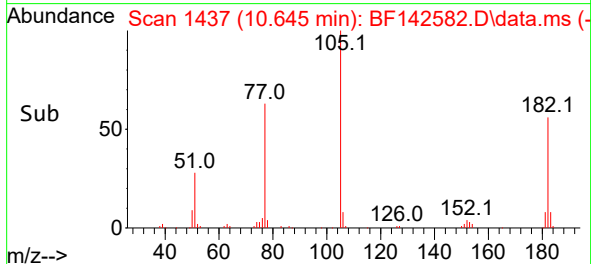
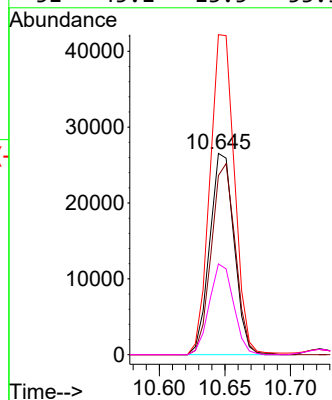
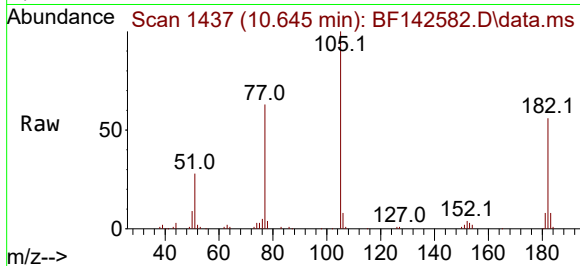




#63
Azobenzene
Concen: 2.335 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

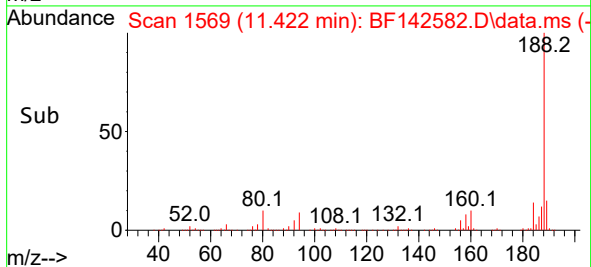
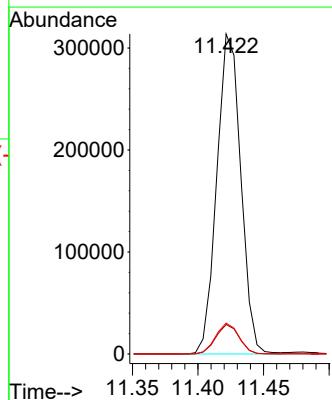
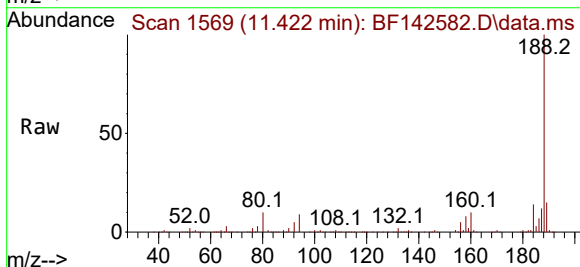
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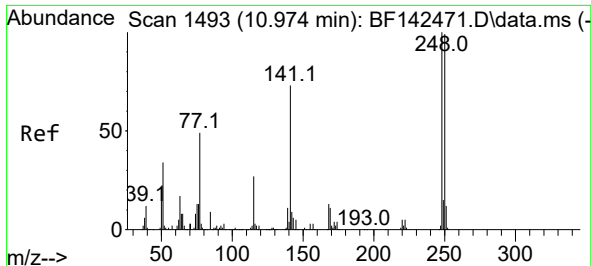
Tgt Ion: 77 Resp: 34400
Ion Ratio Lower Upper
77 100
182 89.0 9.0 49.0#
105 159.0 2.4 42.4#
51 45.1 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:188 Resp: 398630
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.6 7.4 11.0

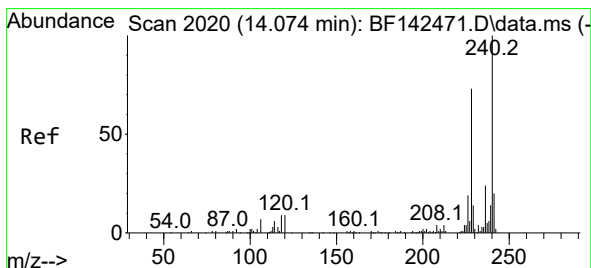
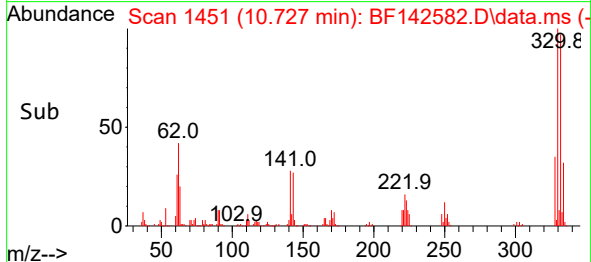
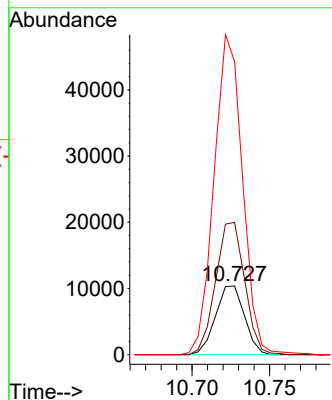
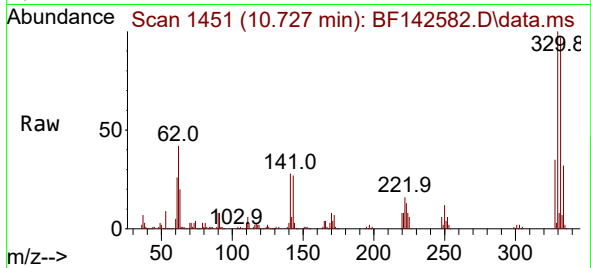




#67
4-Bromophenyl-phenylether
Concen: 2.864 ng
RT: 10.727 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

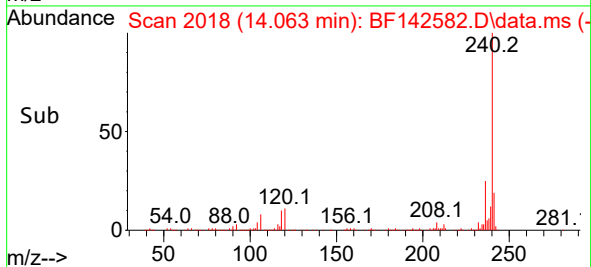
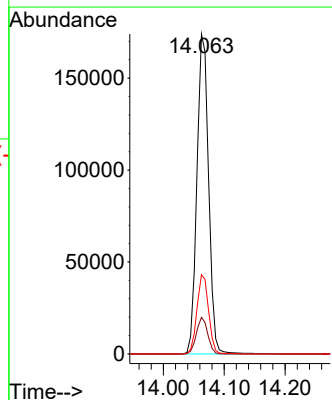
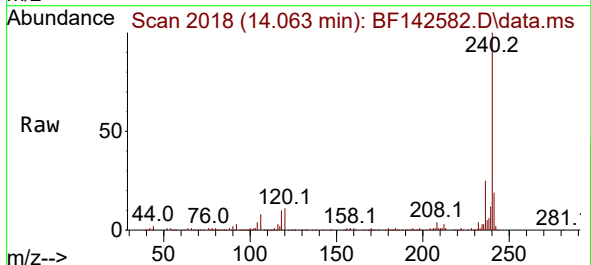
Instrument :
BNA_F
ClientSampleId :
TP-53

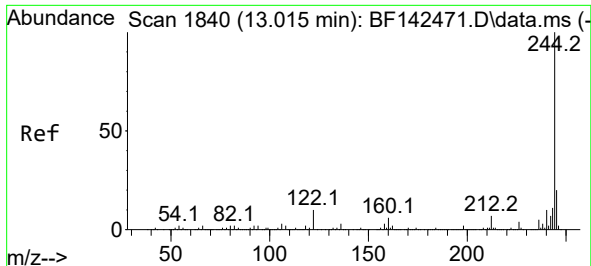
Tgt Ion:248 Resp: 13500
Ion Ratio Lower Upper
248 100
250 192.5 79.0 118.4#
141 426.7 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:240 Resp: 231944
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 24.8 19.6 29.4

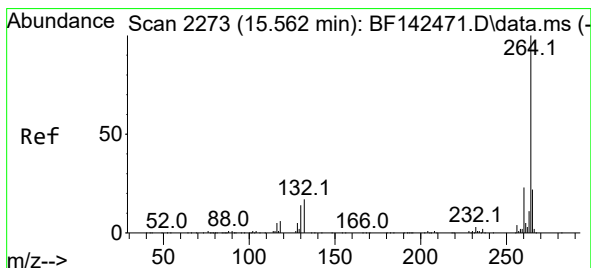
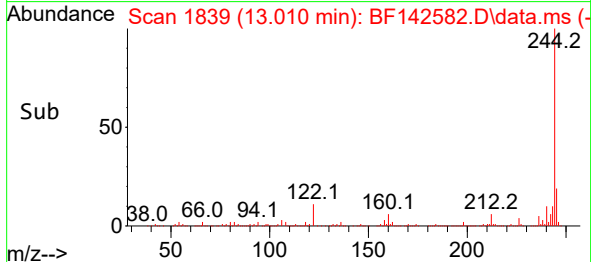
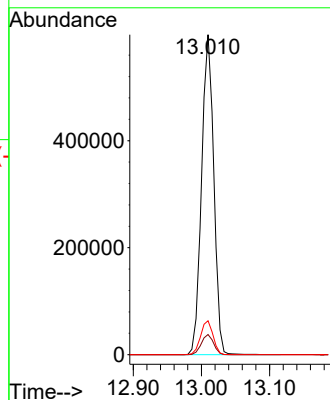
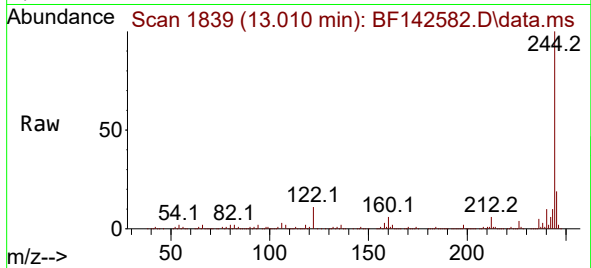




#79
 Terphenyl-d14
 Concen: 43.875 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142582.D
 Acq: 30 May 2025 21:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-53

Tgt Ion:244 Resp: 744692
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142582.D
 Acq: 30 May 2025 21:13

Tgt Ion:264 Resp: 262922
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.6 28.0
 265 21.1 17.7 26.5

