

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142537.D
 Acq On : 23 May 2025 16:05
 Operator : RC/JU
 Sample : Q2100-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Quant Time: May 23 17:03:56 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)

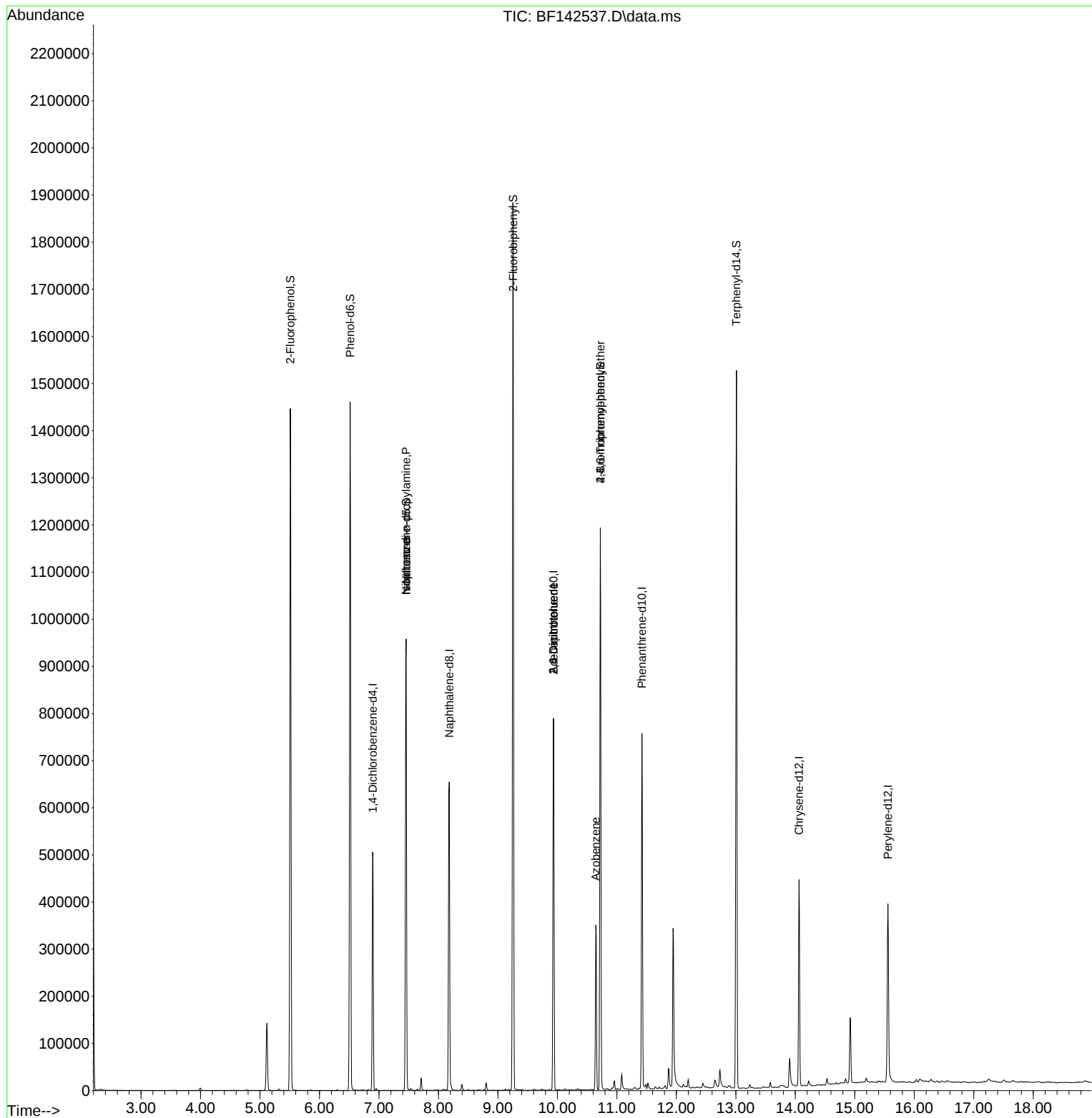
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	114387	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	436187	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	233620	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	387454	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	212215	20.000	ng	-0.01
86) Perylene-d12	15.557	264	222870	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	557183	82.065	ng	0.00
7) Phenol-d6	6.516	99	687727	84.147	ng	-0.02
23) Nitrobenzene-d5	7.457	82	413511	51.694	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	211280	81.484	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	872556	50.118	ng	-0.01
79) Terphenyl-d14	13.010	244	738092	47.529	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	54943	10.847	ng	# 76
25) Isophorone	7.457	82	378938	28.334	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	30021	9.023	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	30021	6.909	ng	# 28
63) Azobenzene	10.645	77	83953	6.209	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13071	2.853	ng	# 1

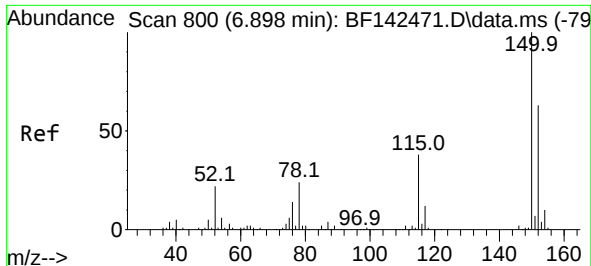
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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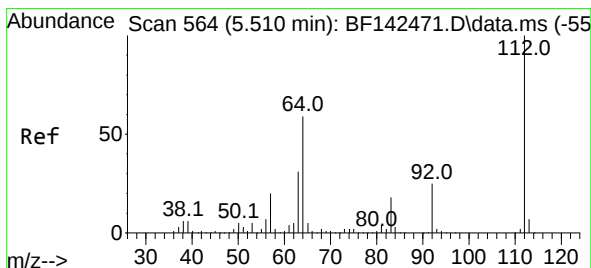
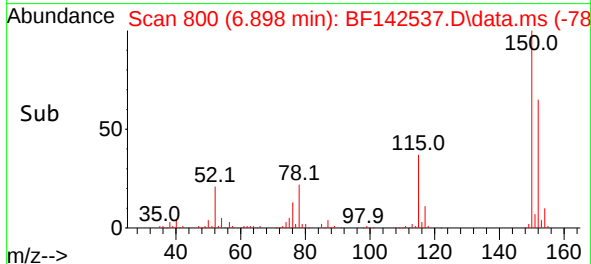
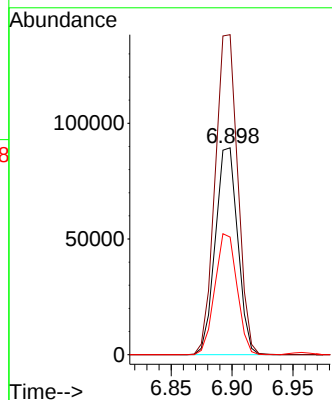
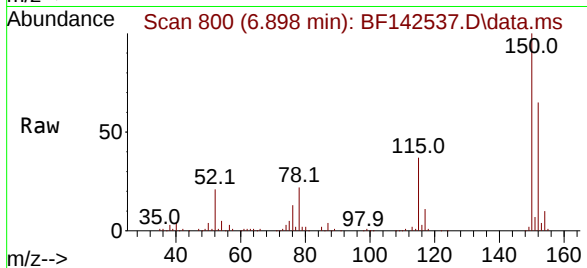




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142537.D
 Acq: 23 May 2025 16:05

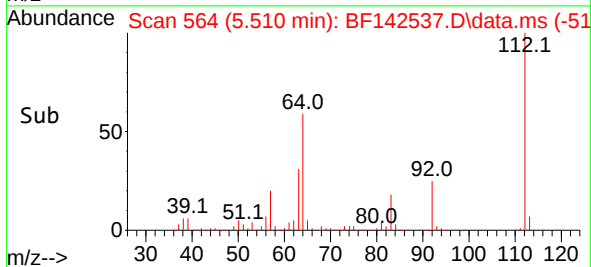
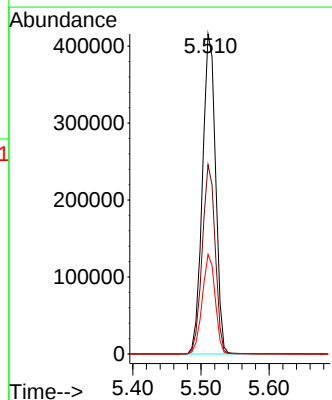
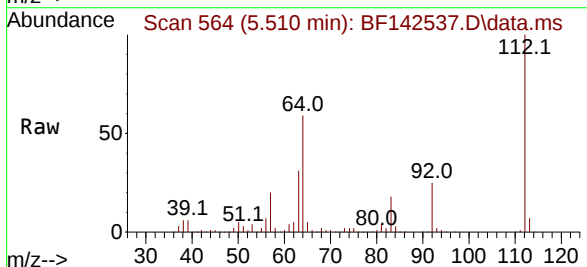
Instrument :
 BNA_F
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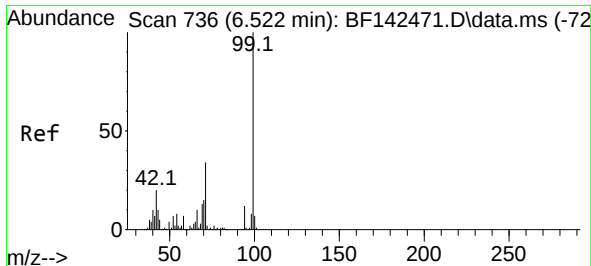
Tgt Ion:152 Resp: 114387
 Ion Ratio Lower Upper
 152 100
 150 154.7 128.2 192.4
 115 56.9 48.3 72.5



#5
 2-Fluorophenol
 Concen: 82.065 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142537.D
 Acq: 23 May 2025 16:05

Tgt Ion:112 Resp: 557183
 Ion Ratio Lower Upper
 112 100
 64 59.2 47.5 71.3
 63 31.1 24.9 37.3





#7

Phenol-d6

Concen: 84.147 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142537.D

Acq: 23 May 2025 16:05

Instrument :

BNA_F

ClientSampleId :

TP-16

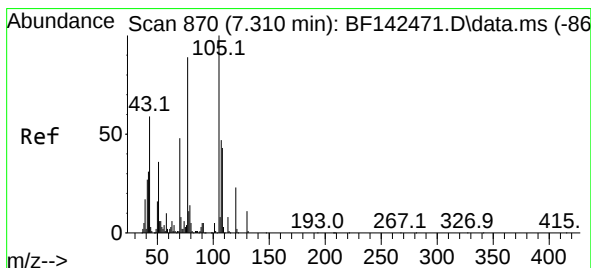
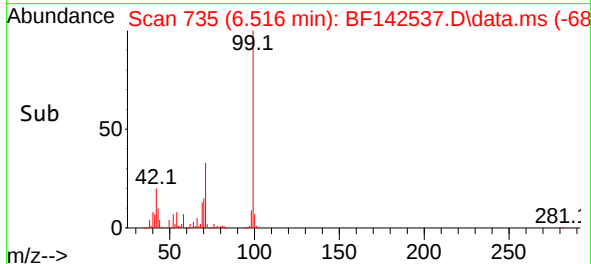
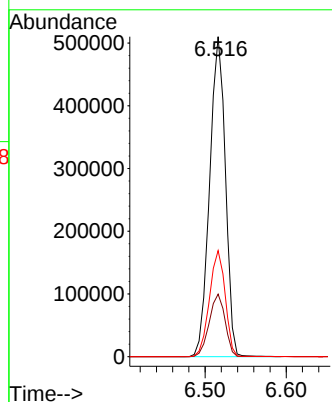
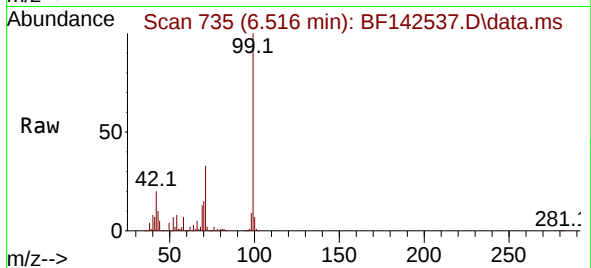
Tgt Ion: 99 Resp: 687727

Ion Ratio Lower Upper

99 100

42 19.6 16.2 24.2

71 33.1 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 10.847 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.129 min

Lab File: BF142537.D

Acq: 23 May 2025 16:05

Tgt Ion: 70 Resp: 54943

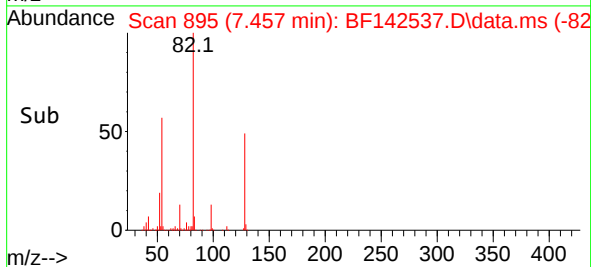
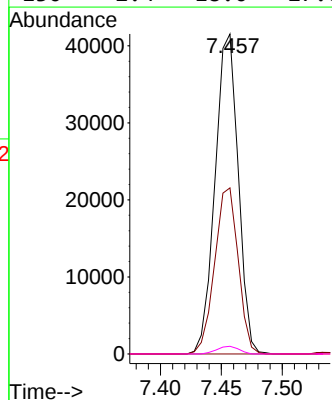
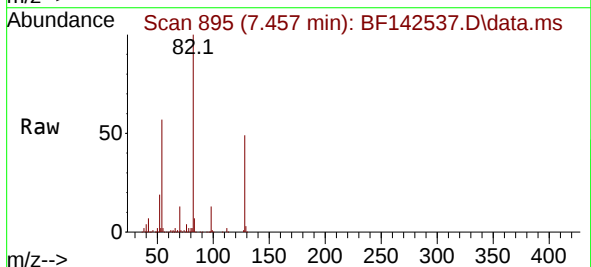
Ion Ratio Lower Upper

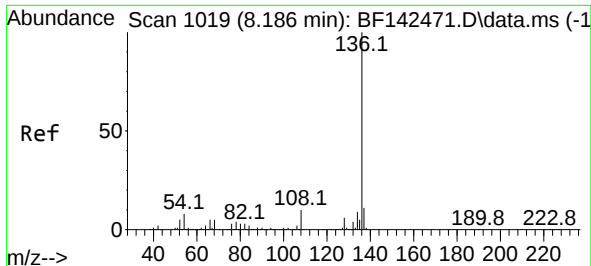
70 100

42 51.9 52.4 78.6#

101 0.0 7.8 11.8#

130 2.4 18.0 27.0#

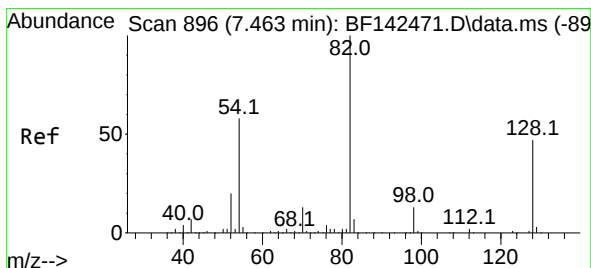
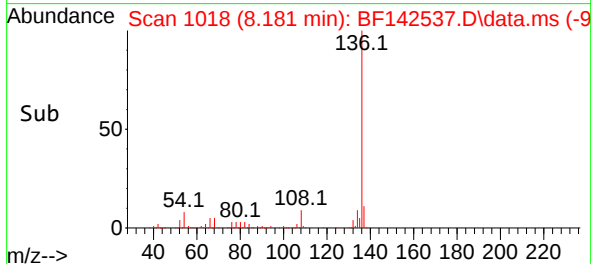
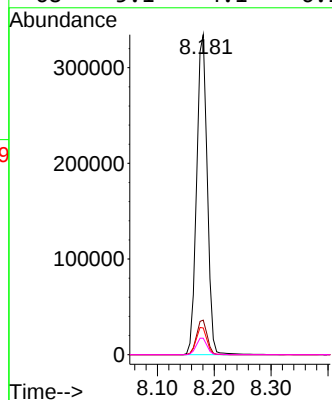
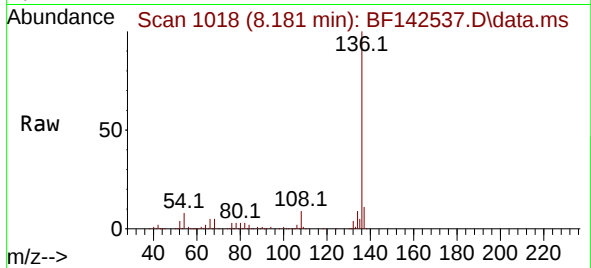




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

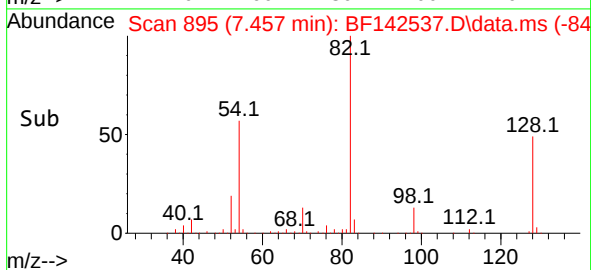
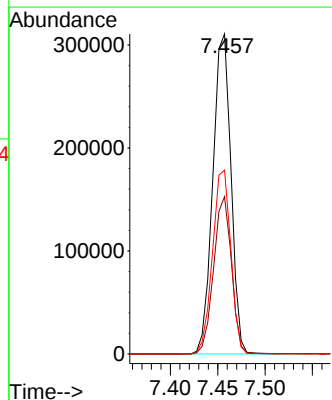
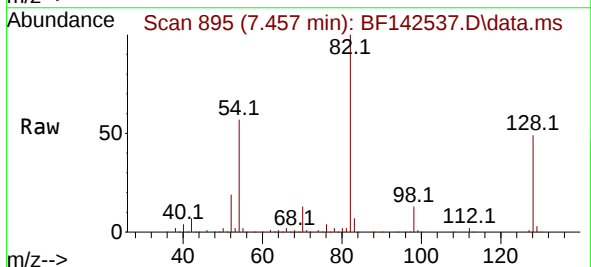
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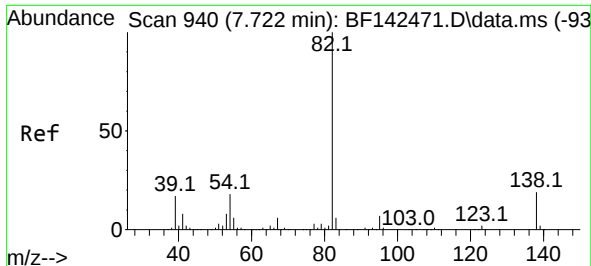
Tgt Ion:136 Resp: 436187
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 6.6 10.0
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 51.694 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

Tgt Ion: 82 Resp: 413511
Ion Ratio Lower Upper
82 100
128 49.2 37.4 56.2
54 57.5 46.6 70.0

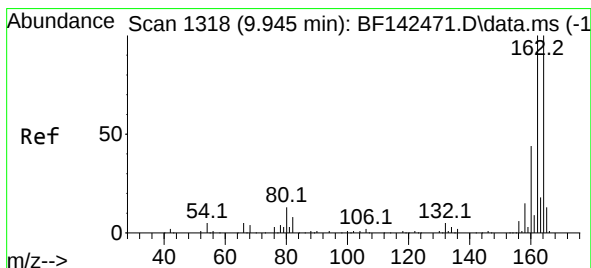
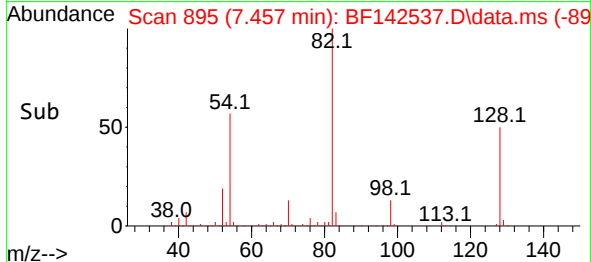
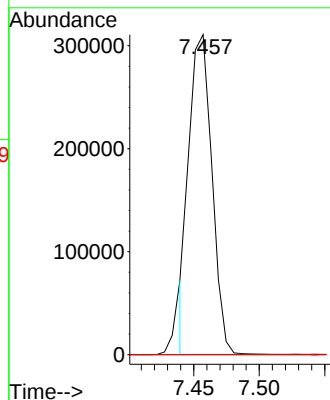
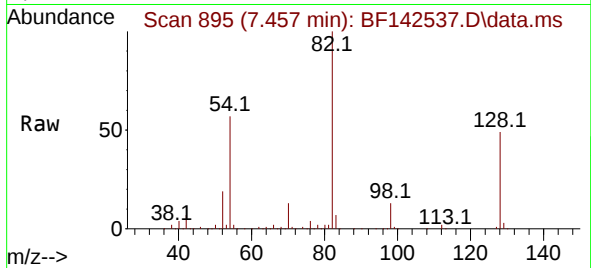




#25
Isophorone
Concen: 28.334 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

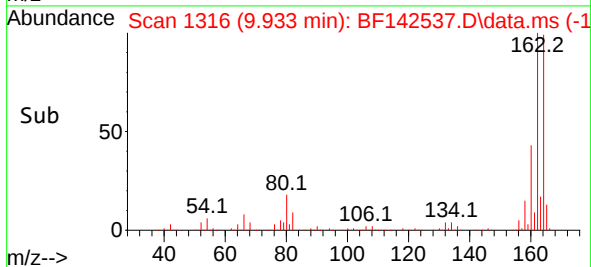
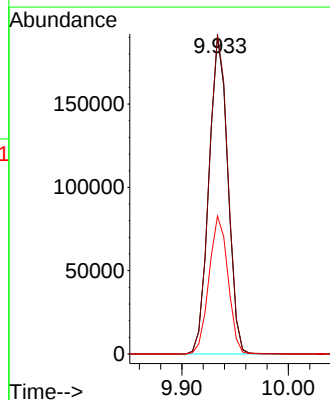
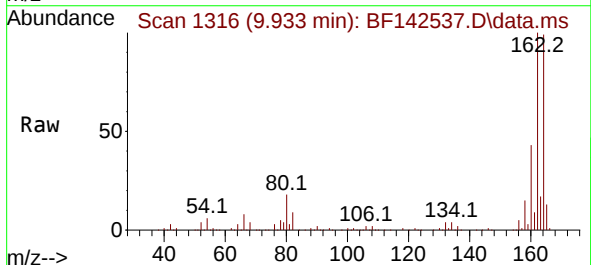
Instrument :
BNA_F
ClientSampleId :
TP-16

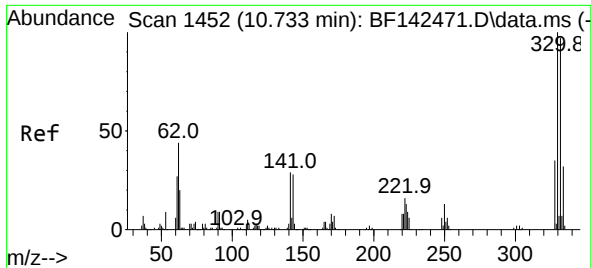
Tgt Ion: 82 Resp: 378938
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

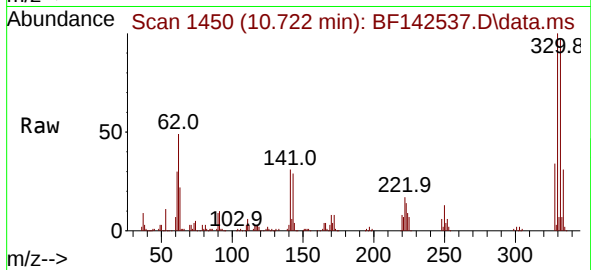
Tgt Ion:164 Resp: 233620
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.4
160 43.5 35.6 53.4



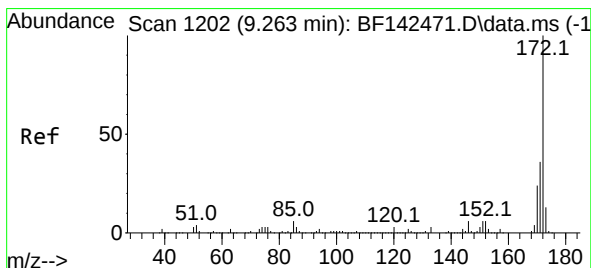
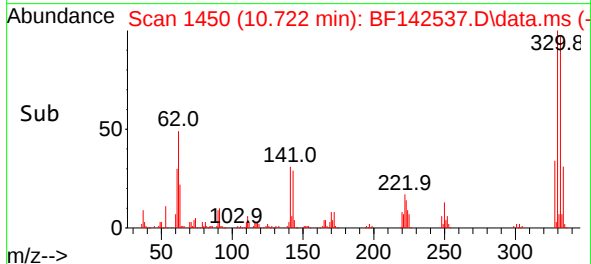
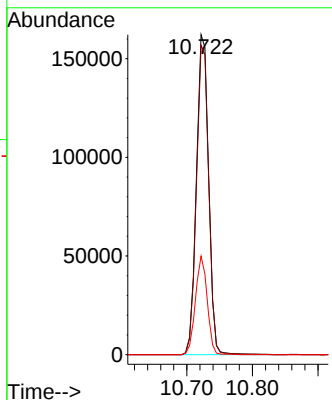


#42
2,4,6-Tribromophenol
Concen: 81.484 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

Instrument :
BNA_F
ClientSampleId :
TP-16

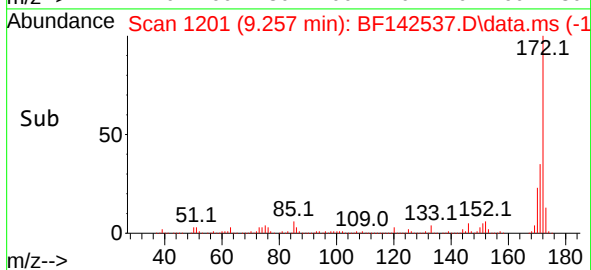
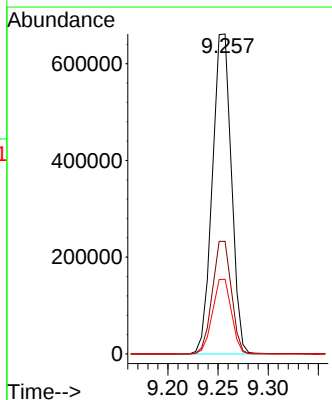
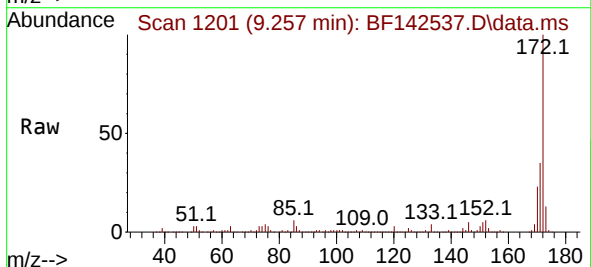


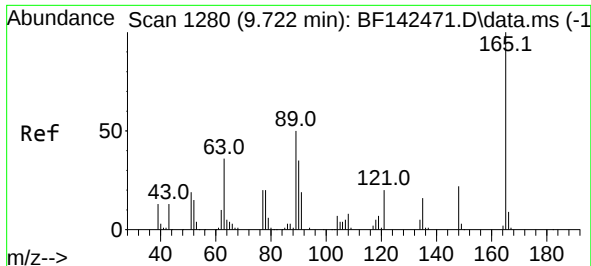
Tgt Ion:330 Resp: 211280
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 29.6 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 50.118 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

Tgt Ion:172 Resp: 872556
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.3 18.9 28.3

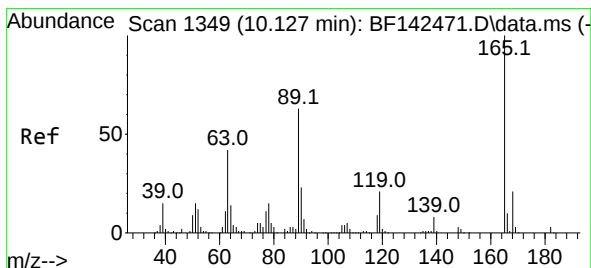
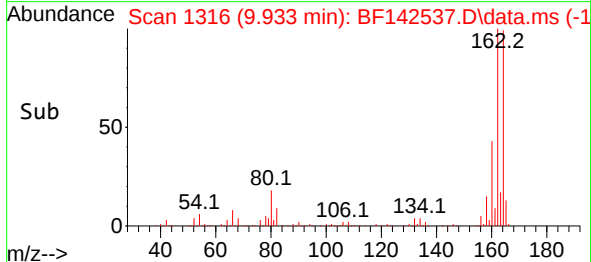
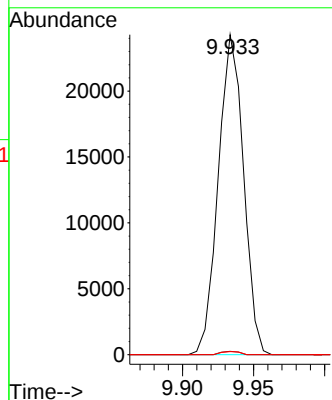
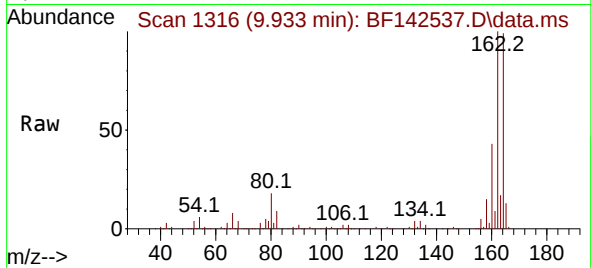




#51
2,6-Dinitrotoluene
Concen: 9.023 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

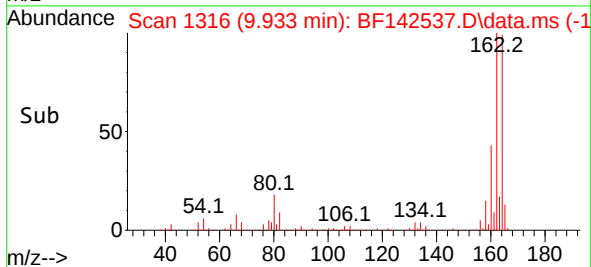
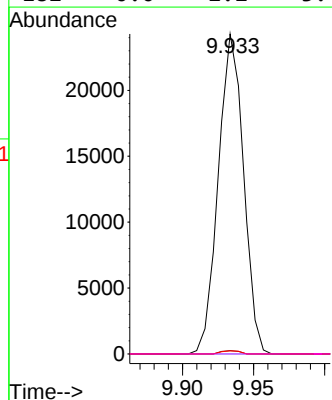
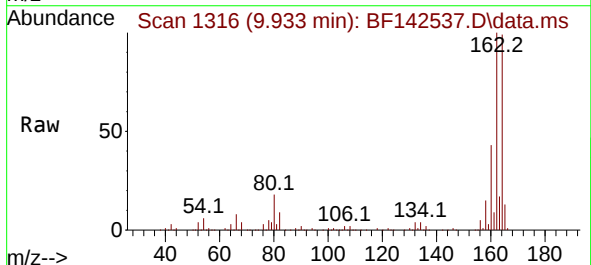
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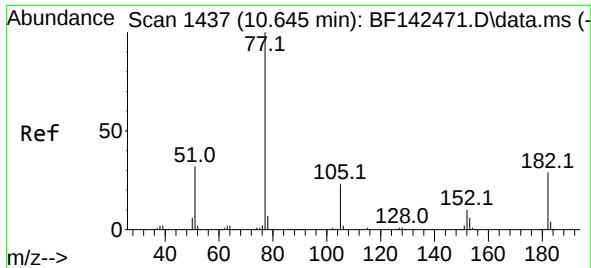
Tgt Ion:165 Resp: 30021
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.909 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

Tgt Ion:165 Resp: 30021
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#

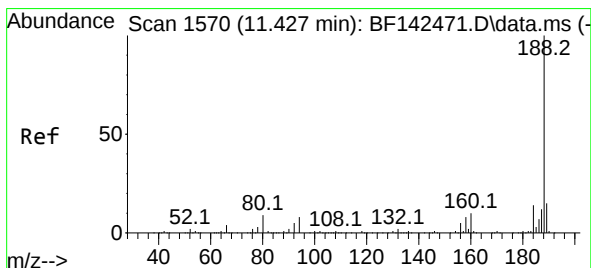
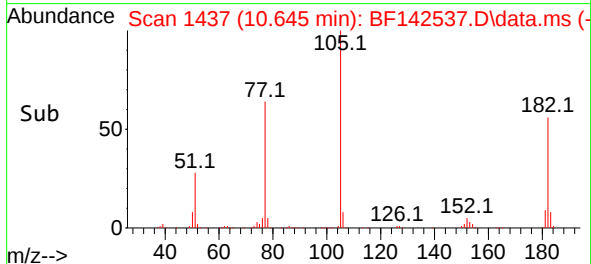
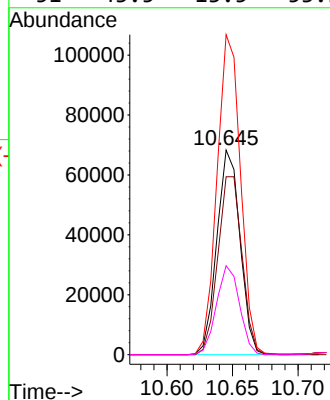
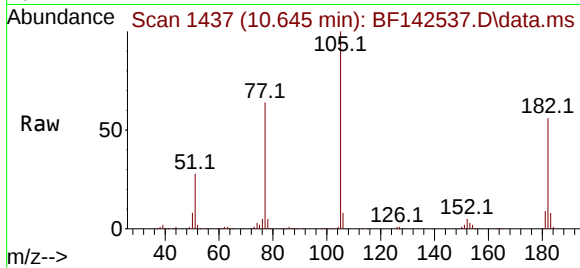




#63
 Azobenzene
 Concen: 6.209 ng
 RT: 10.645 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: BF142537.D
 Acq: 23 May 2025 16:05

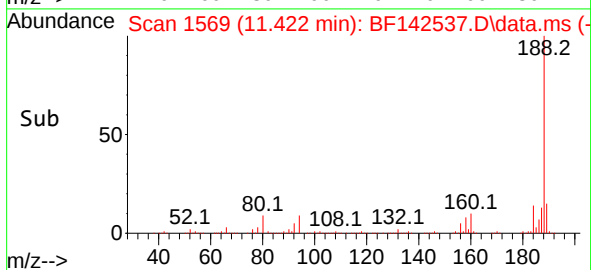
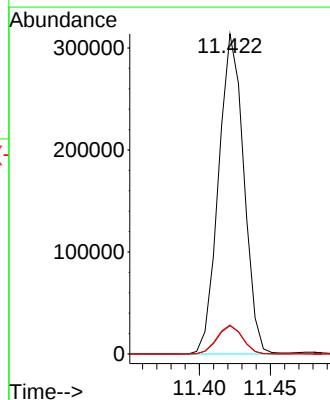
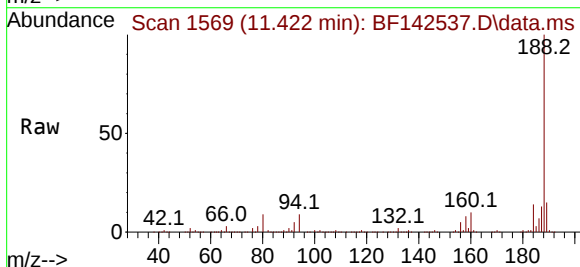
Instrument :
 BNA_F
 ClientSampleId :
 TP-16

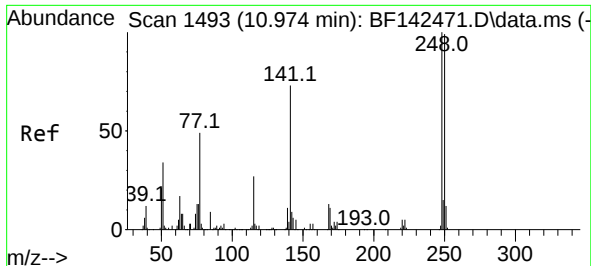
Tgt Ion: 77	Resp: 83953
Ion Ratio	Lower Upper
77 100	
182 86.9	9.0 49.0#
105 156.3	2.4 42.4#
51 43.5	13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1569
 Delta R.T. -0.012 min
 Lab File: BF142537.D
 Acq: 23 May 2025 16:05

Tgt Ion: 188	Resp: 387454
Ion Ratio	Lower Upper
188 100	
94 8.9	6.6 10.0
80 9.1	7.4 11.0

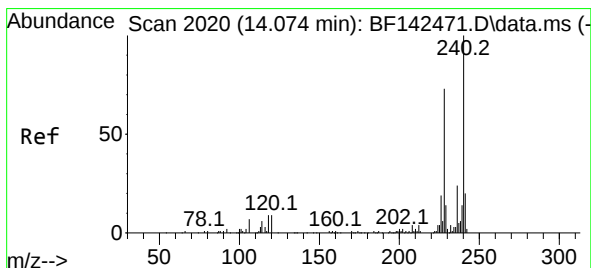
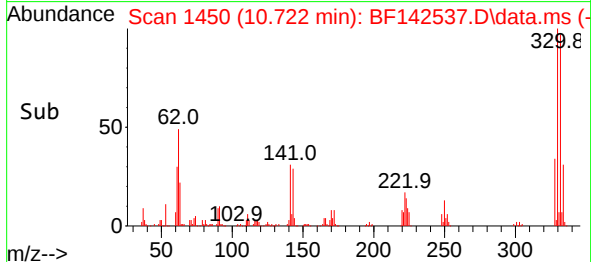
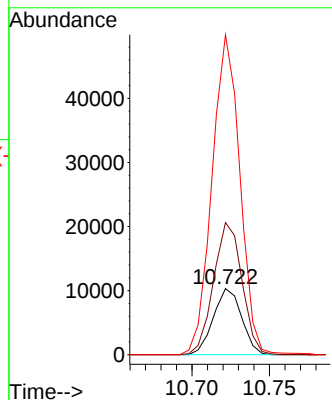
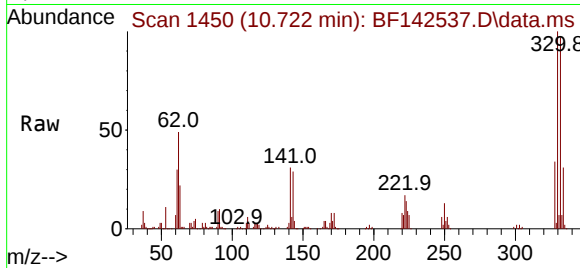




#67
4-Bromophenyl-phenylether
Concen: 2.853 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

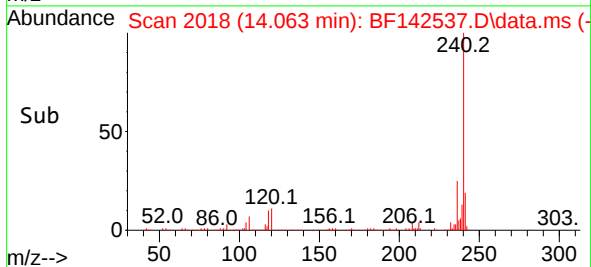
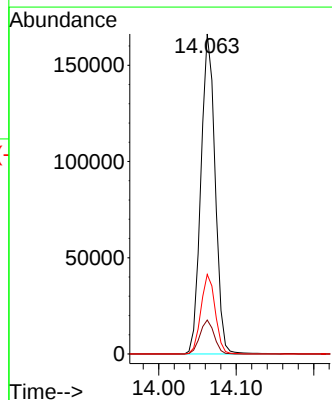
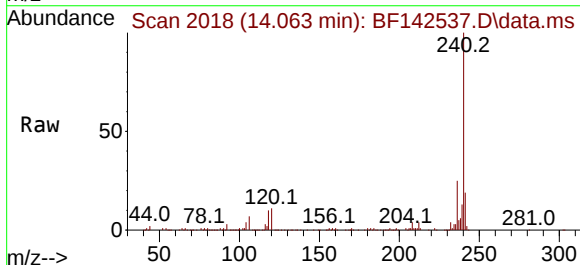
Instrument :
BNA_F
ClientSampleId :
TP-16

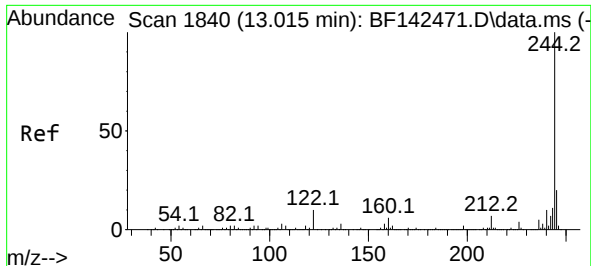
Tgt Ion:248 Resp: 13071
Ion Ratio Lower Upper
248 100
250 199.9 79.0 118.4#
141 484.1 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

Tgt Ion:240 Resp: 212215
Ion Ratio Lower Upper
240 100
120 10.6 7.5 11.3
236 24.9 19.6 29.4

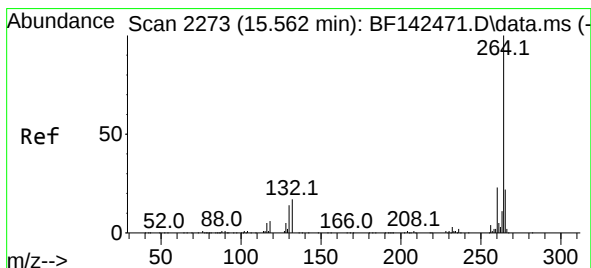
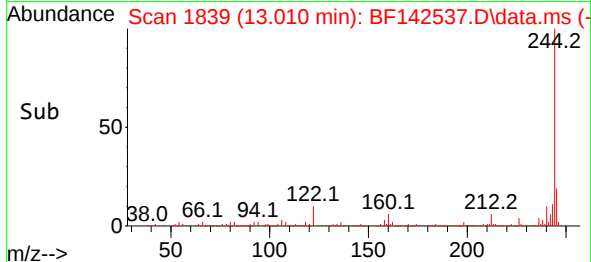
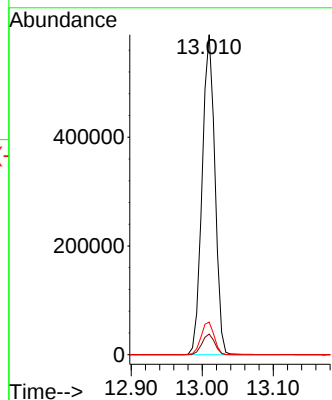
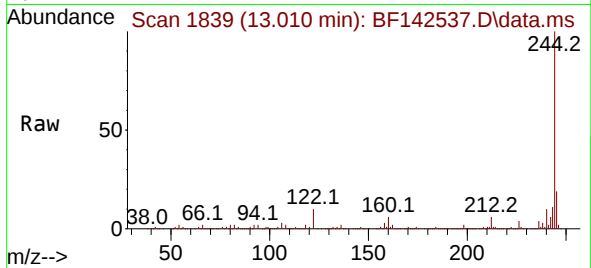




#79
 Terphenyl-d14
 Concen: 47.529 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142537.D
 Acq: 23 May 2025 16:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Tgt Ion:244 Resp: 738092
 Ion Ratio Lower Upper
 244 100
 212 6.4 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: BF142537.D
 Acq: 23 May 2025 16:05

Tgt Ion:264 Resp: 222870
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.6 17.7 26.5

