

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142507.D
 Acq On : 22 May 2025 13:40
 Operator : RC/JU
 Sample : Q2080-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-HRH-COMP-01

Quant Time: May 22 14:06:53 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)

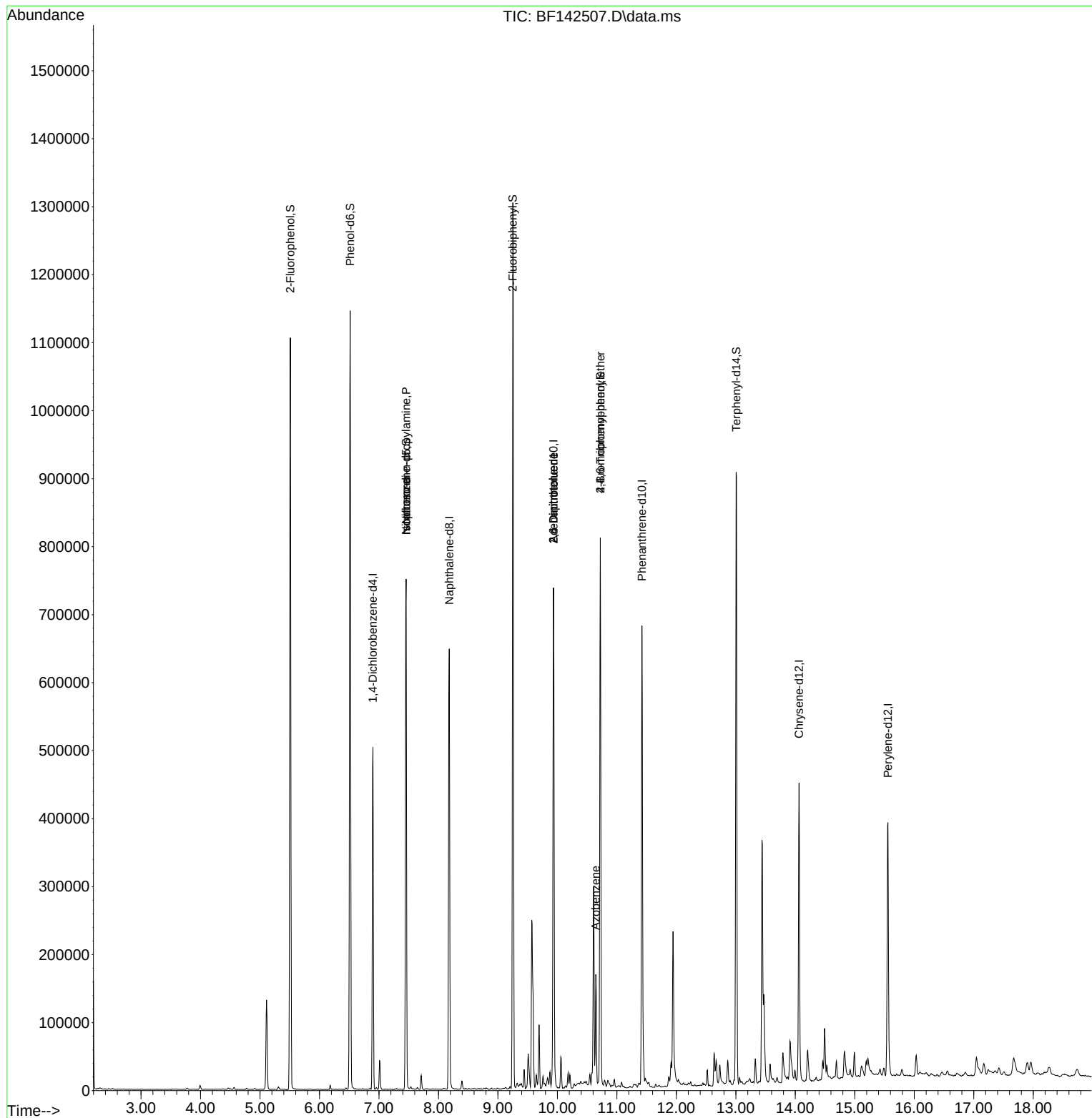
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	111394	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	419447	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	220519	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	348249	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	206434	20.000	ng	-0.01
86) Perylene-d12	15.557	264	223955	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	415957	62.911	ng	0.00
7) Phenol-d6	6.516	99	527381	66.261	ng	-0.02
23) Nitrobenzene-d5	7.457	82	323861	42.102	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	132159	53.998	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	589681	35.882	ng	-0.02
79) Terphenyl-d14	13.010	244	449075	29.728	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	43089	8.735	ng	# 76
25) Isophorone	7.457	82	297582	23.139	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	27658	8.807	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	27658	6.744	ng	# 28
63) Azobenzene	10.645	77	38956	3.052	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8490	2.062	ng	# 1

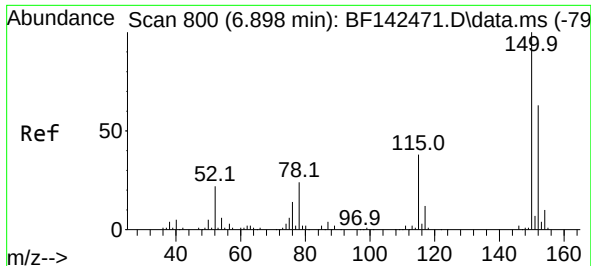
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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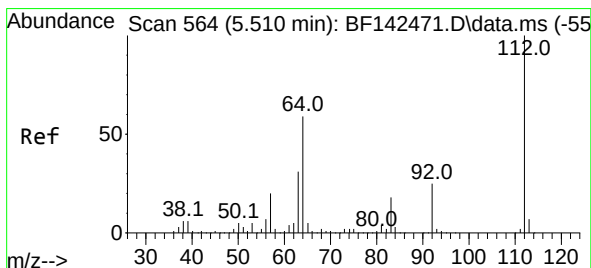
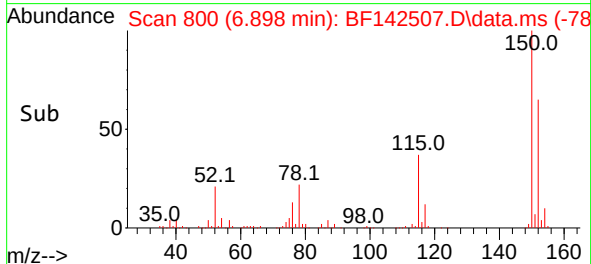
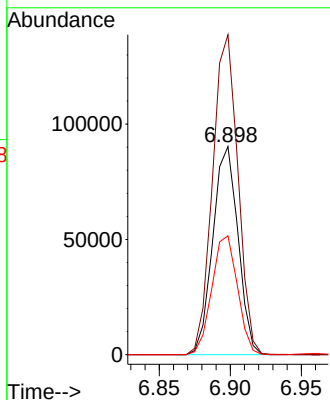
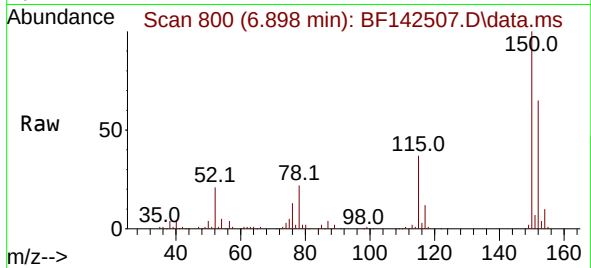




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

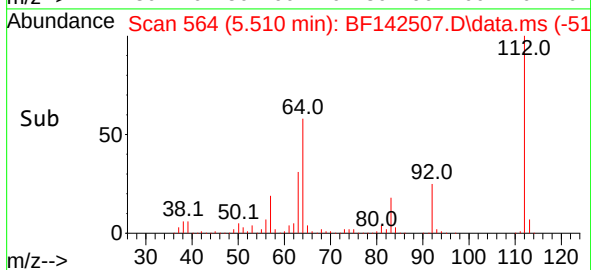
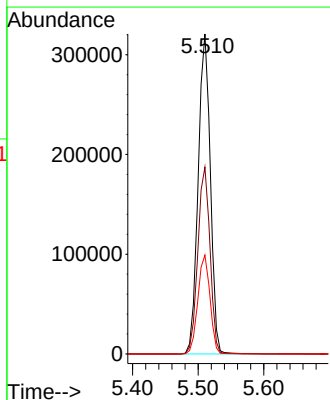
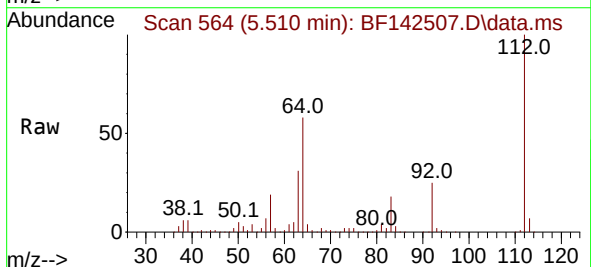
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-01

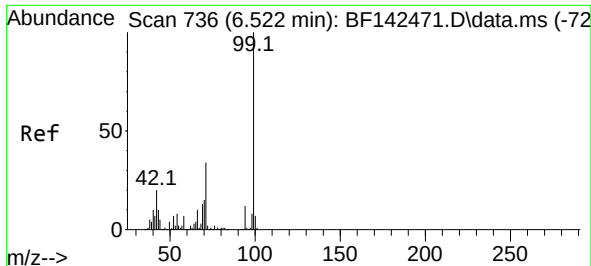
Tgt Ion:152 Resp: 111394
Ion Ratio Lower Upper
152 100
150 153.8 128.2 192.4
115 57.2 48.3 72.5



#5
2-Fluorophenol
Concen: 62.911 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

Tgt Ion:112 Resp: 415957
Ion Ratio Lower Upper
112 100
64 58.4 47.5 71.3
63 30.9 24.9 37.3

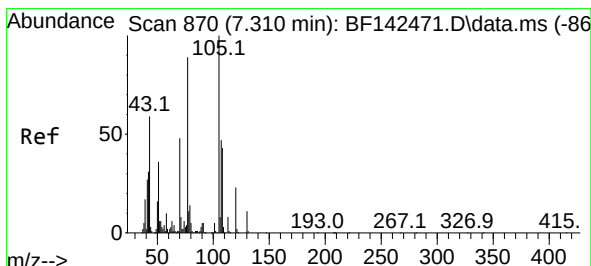
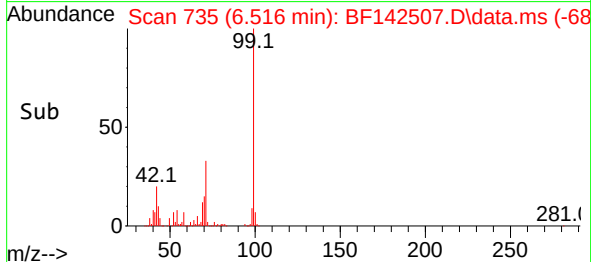
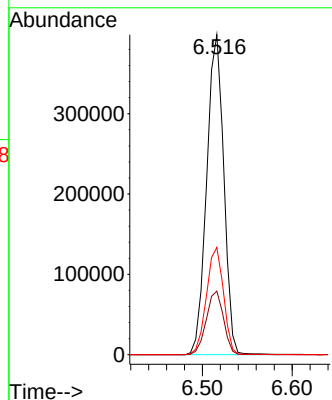
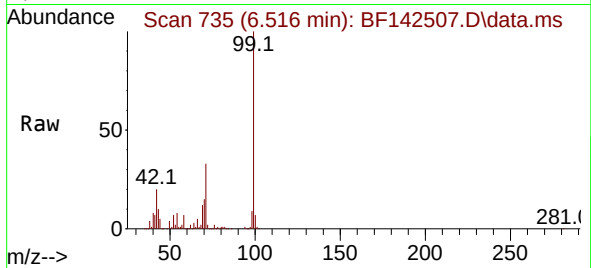




#7
Phenol-d6
Concen: 66.261 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

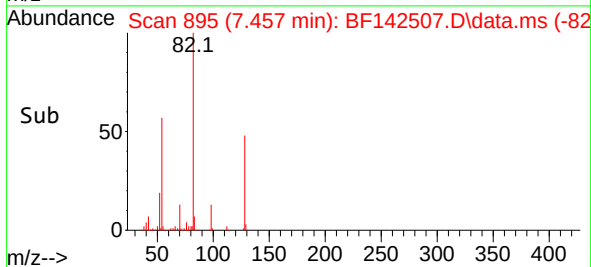
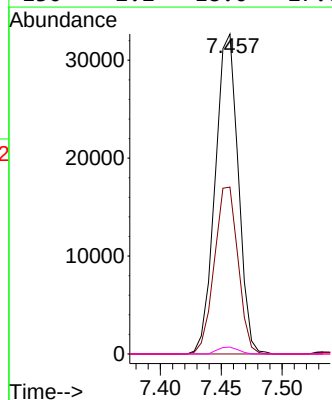
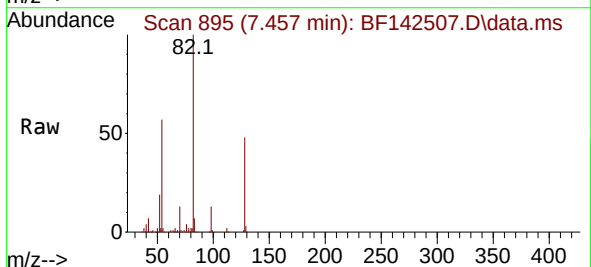
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-01

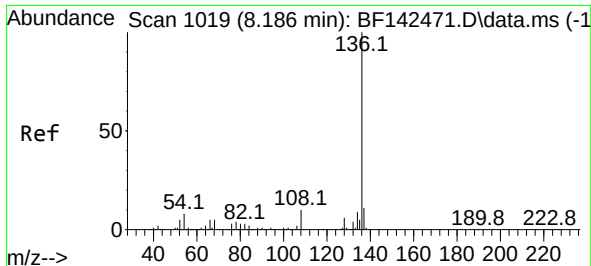
Tgt Ion: 99 Resp: 527381
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 33.5 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.735 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

Tgt Ion: 70 Resp: 43089
Ion Ratio Lower Upper
70 100
42 52.1 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

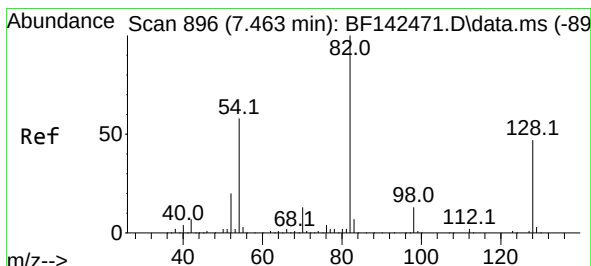
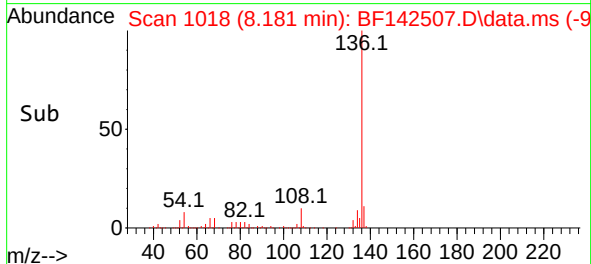
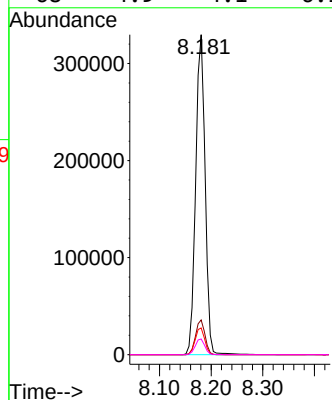
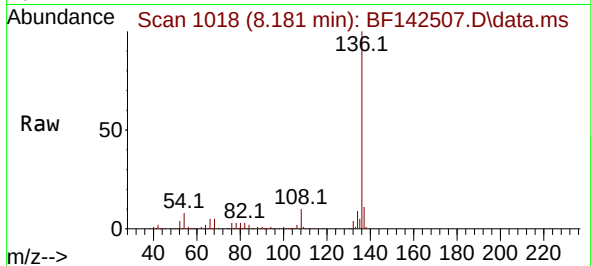




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

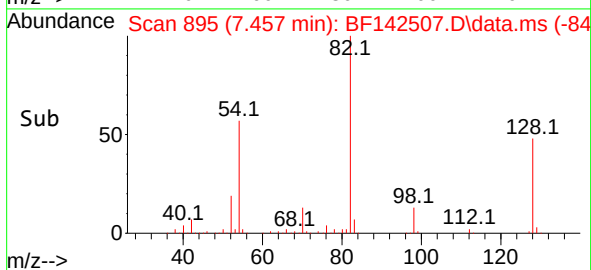
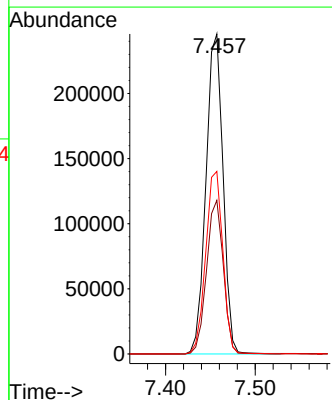
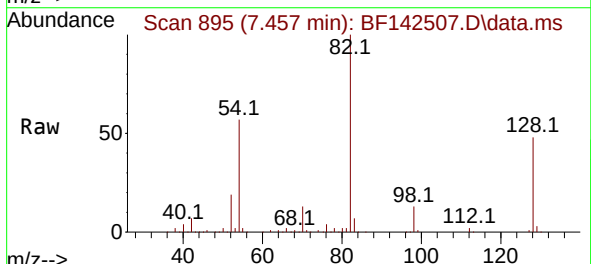
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-01

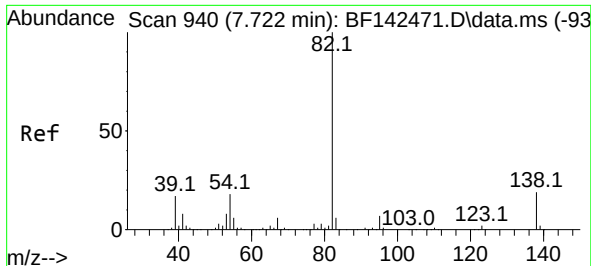
Tgt Ion:136 Resp: 419447
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 6.6 10.0
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 42.102 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

Tgt Ion: 82 Resp: 323861
Ion Ratio Lower Upper
82 100
128 48.0 37.4 56.2
54 57.0 46.6 70.0

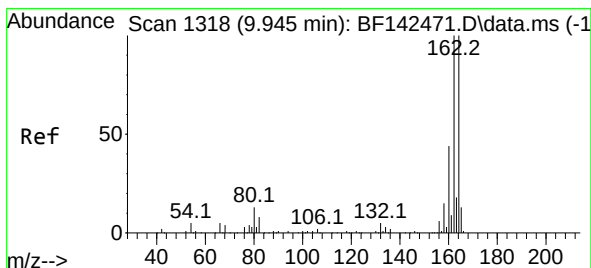
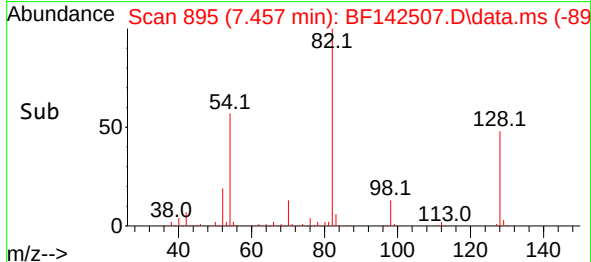
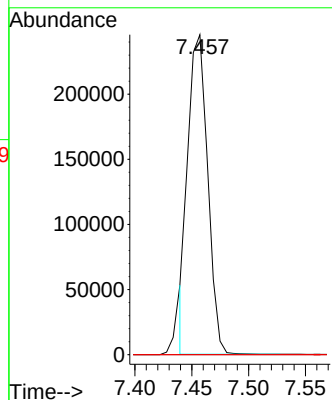
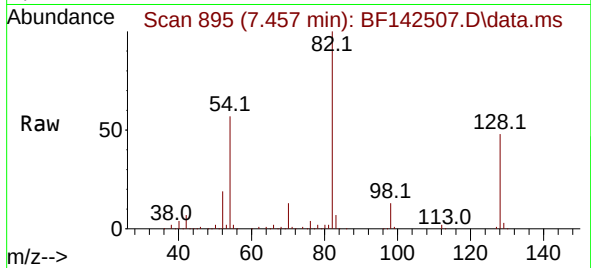




#25
Isophorone
Concen: 23.139 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

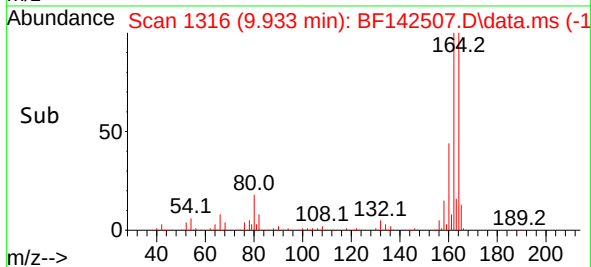
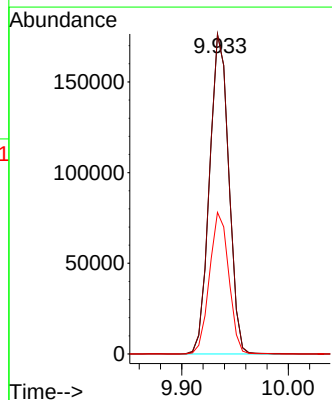
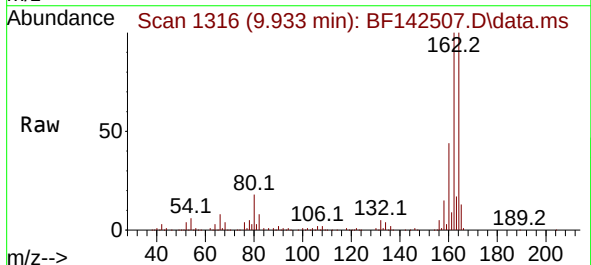
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-01

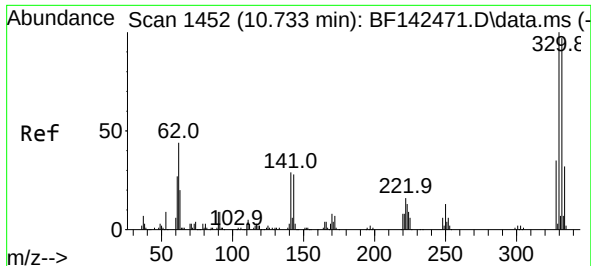
Tgt Ion: 82 Resp: 297582
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

Tgt Ion:164 Resp: 220519
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.4
160 44.3 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 53.998 ng

RT: 10.722 min Scan# 14

Delta R.T. -0.017 min

Lab File: BF142507.D

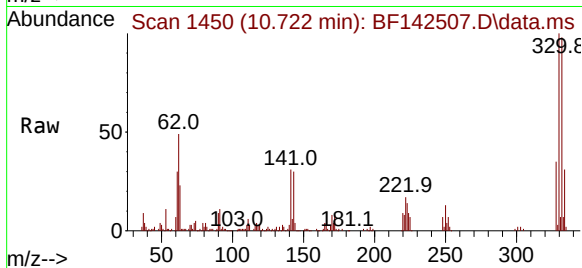
Acq: 22 May 2025 13:40

Instrument :

BNA_F

ClientSampleId :

PL-HRH-COMP-01



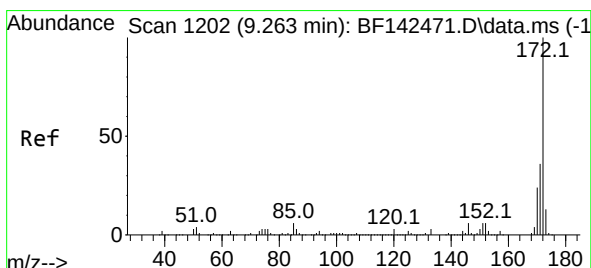
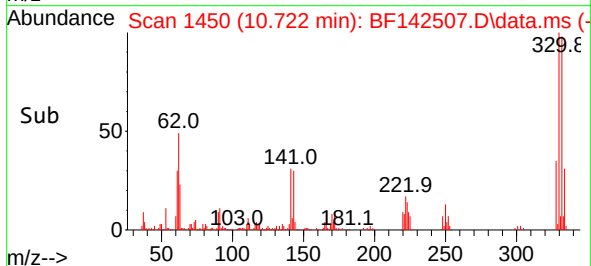
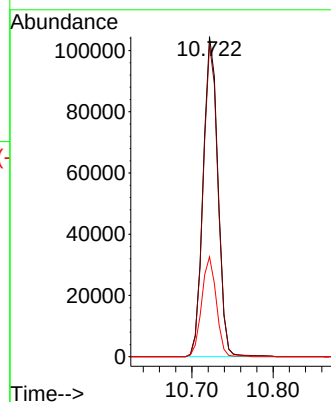
Tgt Ion:330 Resp: 132159

Ion Ratio Lower Upper

330 100

332 97.5 77.6 116.4

141 30.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 35.882 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142507.D

Acq: 22 May 2025 13:40

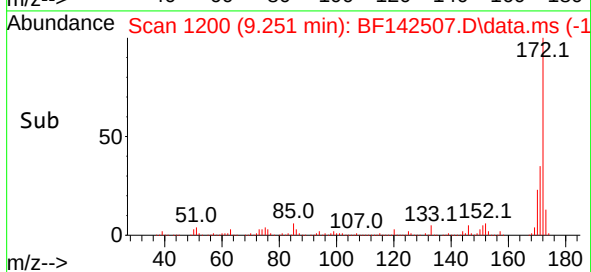
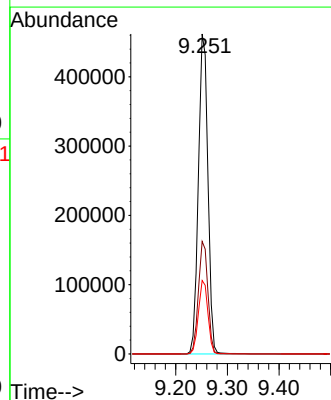
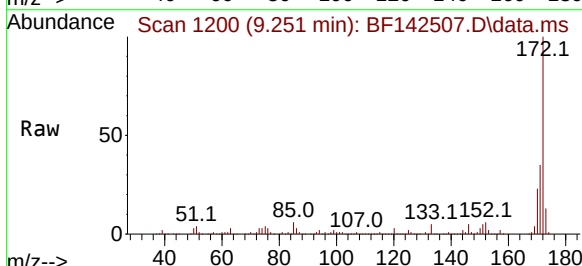
Tgt Ion:172 Resp: 589681

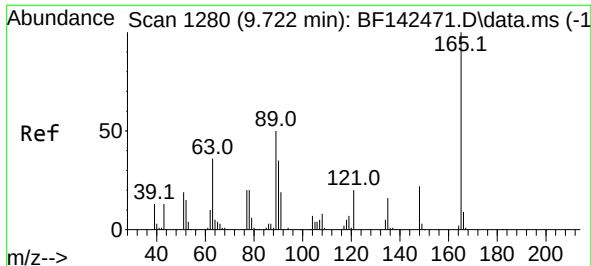
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.807 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142507.D

Acq: 22 May 2025 13:40

Instrument :

BNA_F

ClientSampleId :

PL-HRH-COMP-01

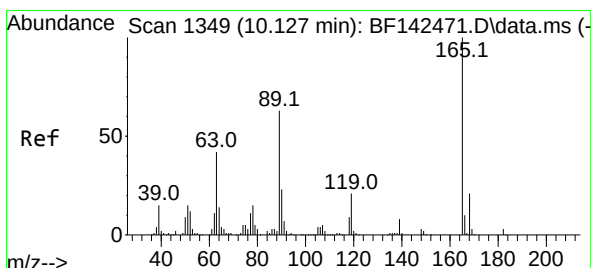
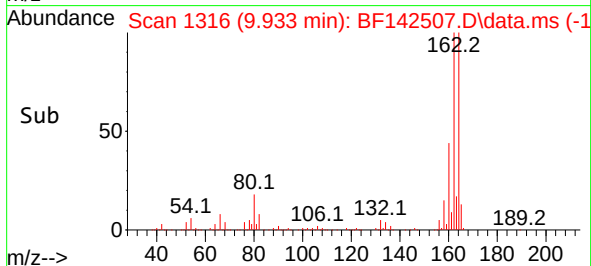
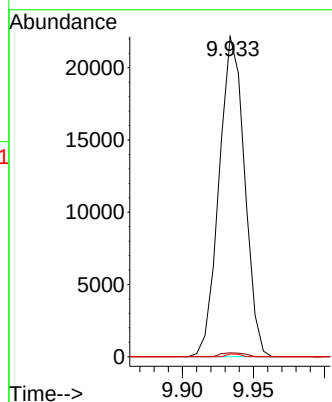
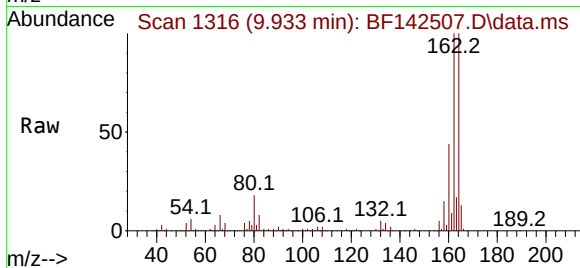
Tgt Ion:165 Resp: 27658

Ion Ratio Lower Upper

165 100

63 1.2 42.9 64.3#

89 0.8 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.744 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142507.D

Acq: 22 May 2025 13:40

Tgt Ion:165 Resp: 27658

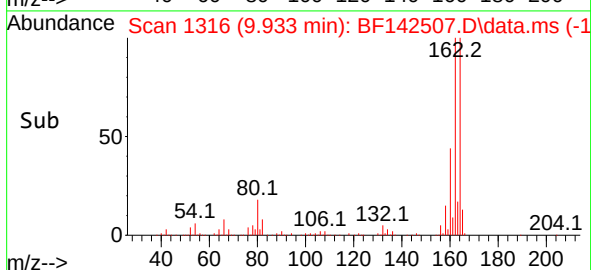
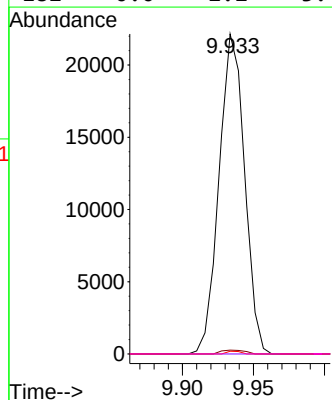
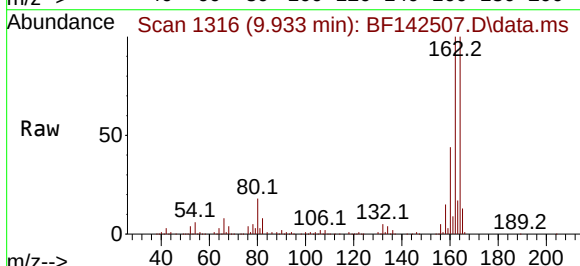
Ion Ratio Lower Upper

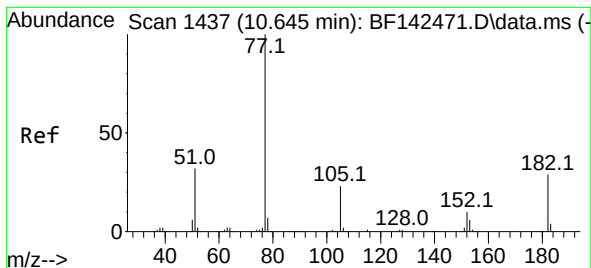
165 100

63 1.2 33.6 50.4#

89 0.8 50.2 75.4#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.052 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142507.D

Acq: 22 May 2025 13:40

Instrument :

BNA_F

ClientSampleId :

PL-HRH-COMP-01

Tgt Ion: 77 Resp: 38956

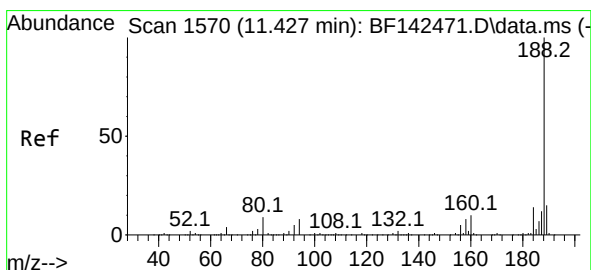
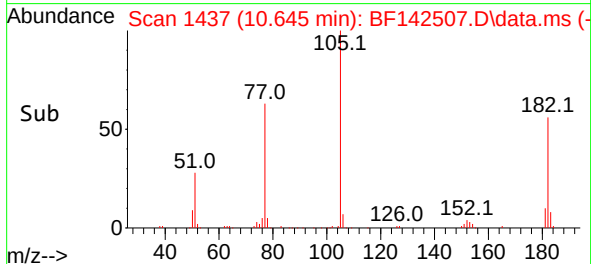
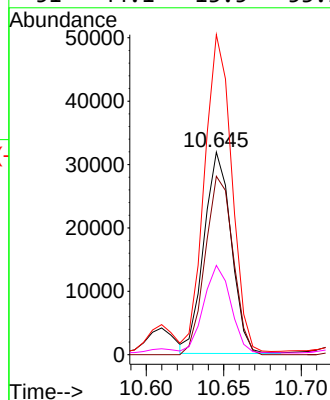
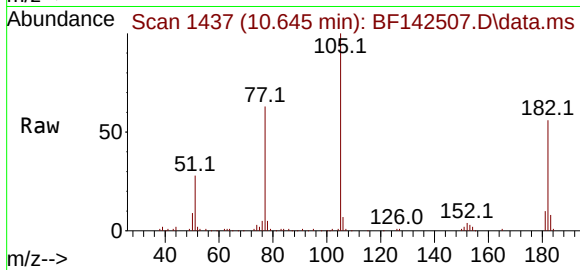
Ion Ratio Lower Upper

77 100

182 88.1 9.0 49.0#

105 157.9 2.4 42.4#

51 44.1 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: BF142507.D

Acq: 22 May 2025 13:40

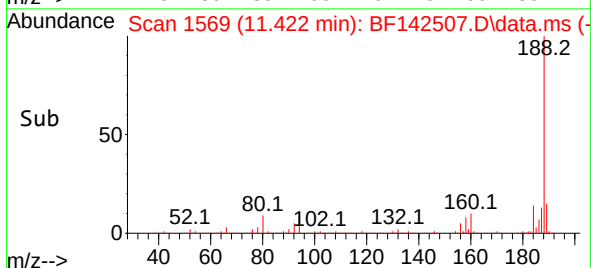
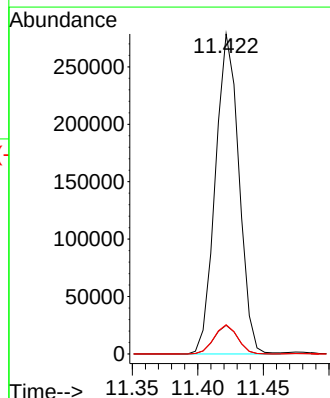
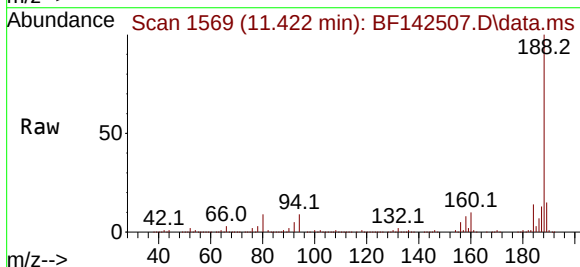
Tgt Ion:188 Resp: 348249

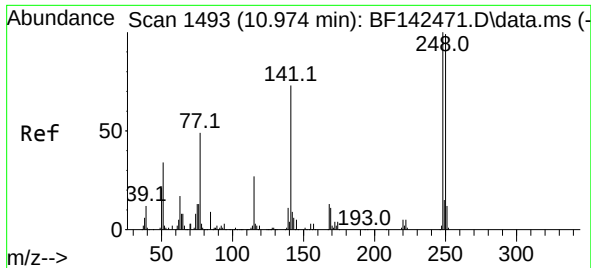
Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.1 7.4 11.0

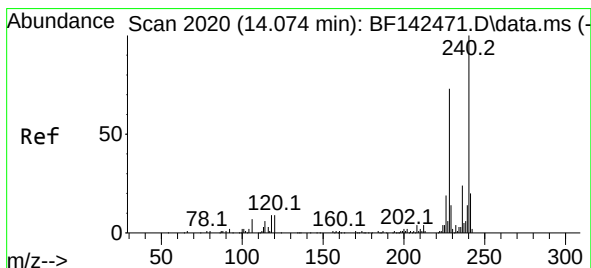
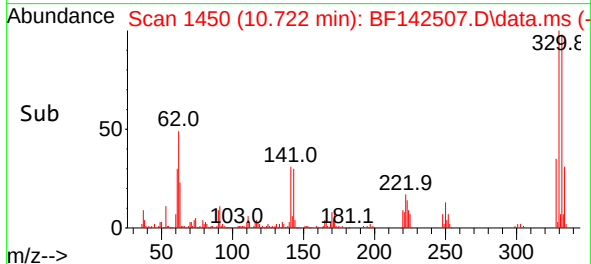
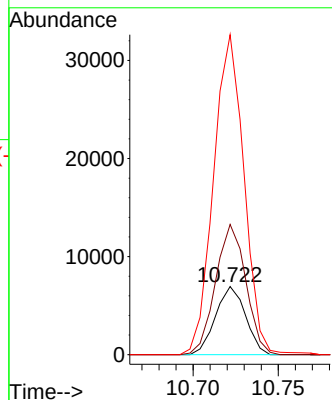
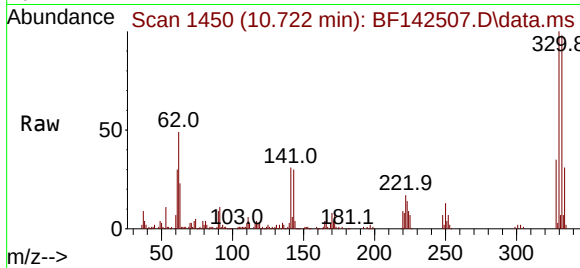




#67
4-Bromophenyl-phenylether
Concen: 2.062 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

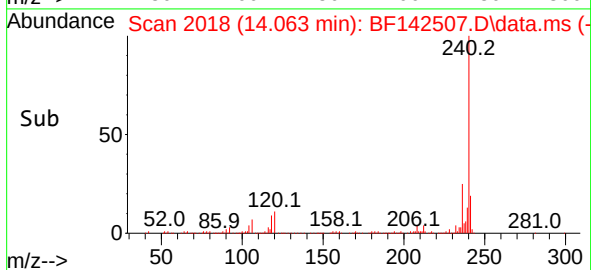
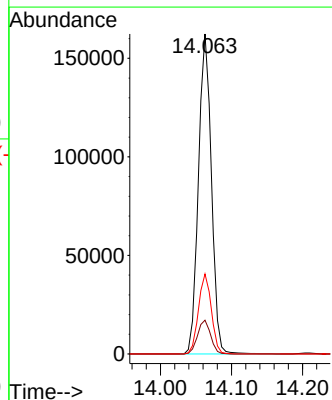
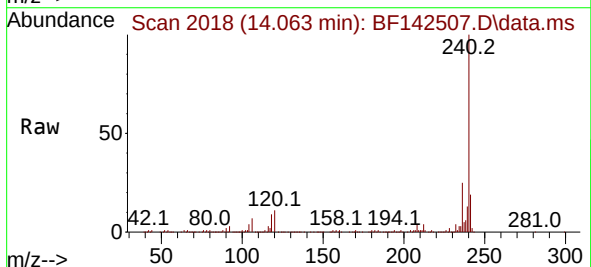
Instrument :
BNA_F
ClientSampleId :
PL-HRH-COMP-01

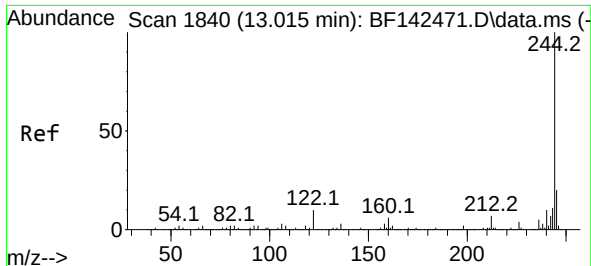
Tgt Ion:248 Resp: 8490
Ion Ratio Lower Upper
248 100
250 191.1 79.0 118.4#
141 469.5 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142507.D
Acq: 22 May 2025 13:40

Tgt Ion:240 Resp: 206434
Ion Ratio Lower Upper
240 100
120 10.5 7.5 11.3
236 25.0 19.6 29.4

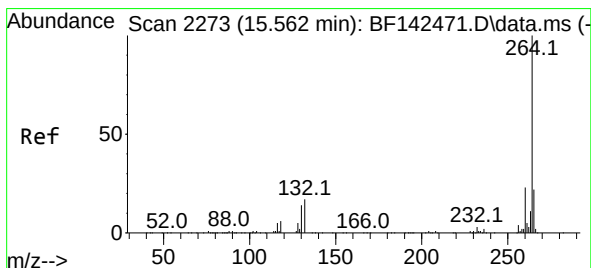
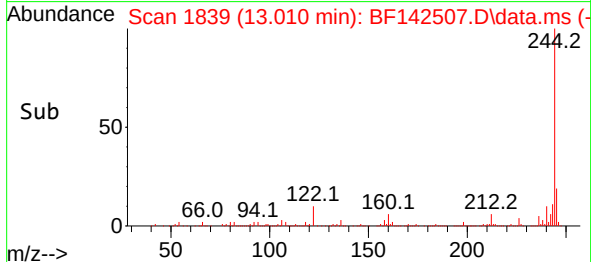
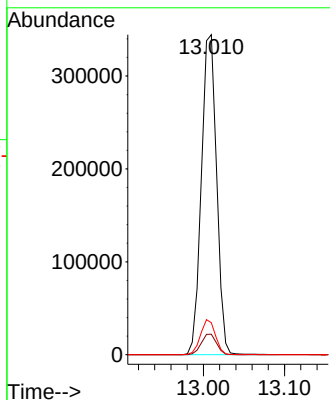
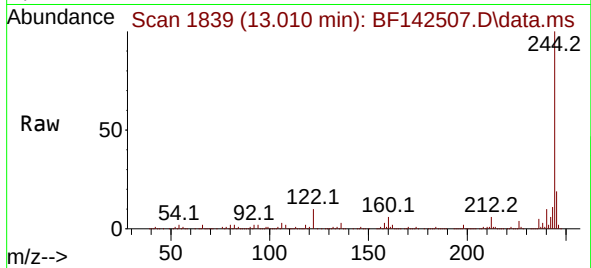




#79
 Terphenyl-d14
 Concen: 29.728 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142507.D
 Acq: 22 May 2025 13:40

Instrument :
 BNA_F
 ClientSampleId :
 PL-HRH-COMP-01

Tgt Ion:244 Resp: 449075
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.0 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: BF142507.D
 Acq: 22 May 2025 13:40

Tgt Ion:264 Resp: 223955
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 28.0
 265 21.0 17.7 26.5

