

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142570.D
 Acq On : 30 May 2025 15:21
 Operator : RC/JU
 Sample : Q2150-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-54

Quant Time: May 30 15:43:17 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)

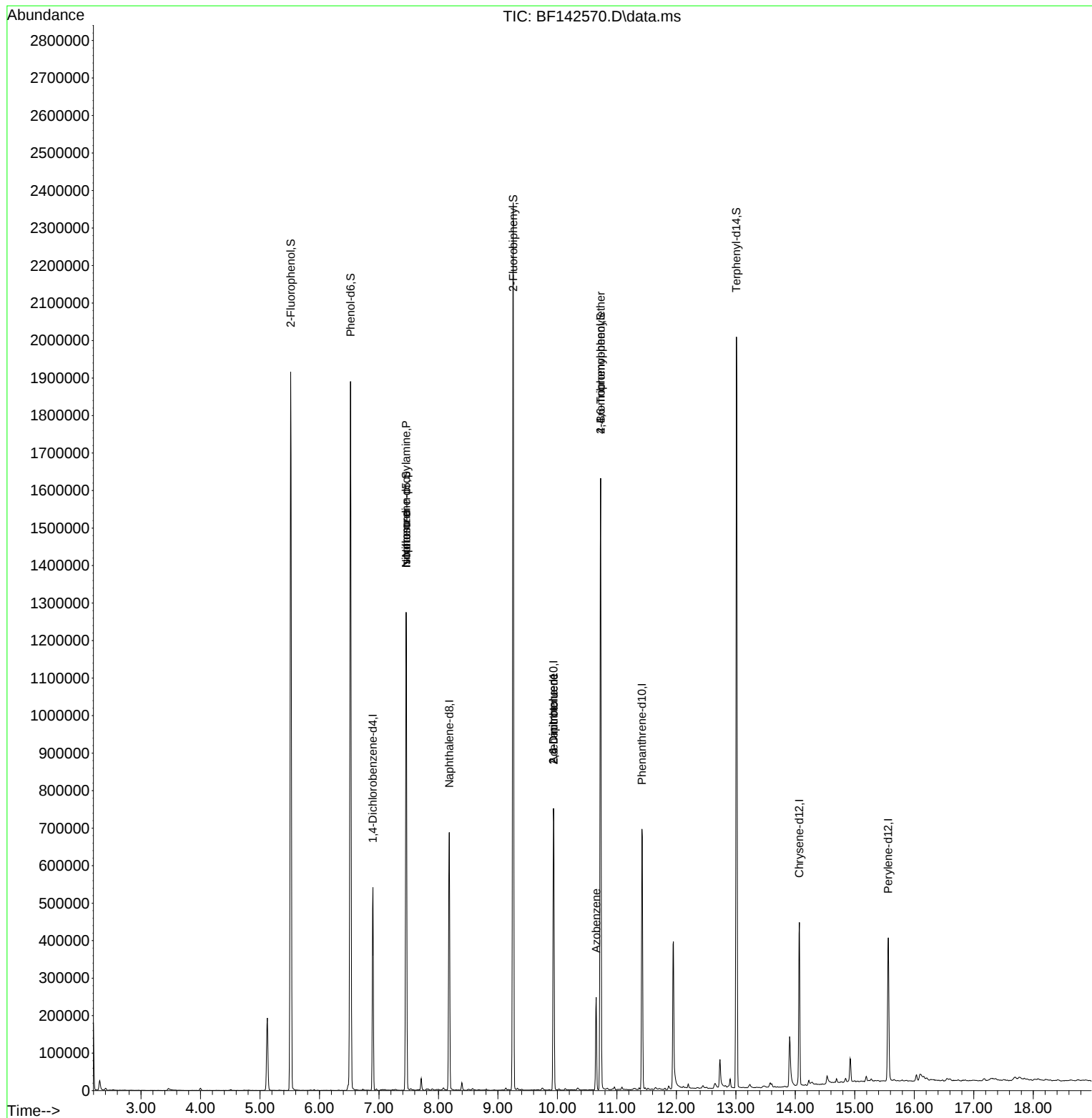
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	118247	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	441924	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	231484	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	379392	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	216438	20.000	ng	0.00
86) Perylene-d12	15.562	264	226398	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	756406	107.771	ng	0.00
7) Phenol-d6	6.522	99	949761	112.414	ng	-0.01
23) Nitrobenzene-d5	7.457	82	557041	68.733	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	303025	117.946	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1081028	62.665	ng	-0.01
79) Terphenyl-d14	13.010	244	985998	62.254	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	74670	14.260	ng	# 76
25) Isophorone	7.457	82	529327	39.065	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	29185	8.853	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	29185	6.779	ng	# 28
63) Azobenzene	10.651	77	58065	4.334	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	18693	4.167	ng	# 1

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

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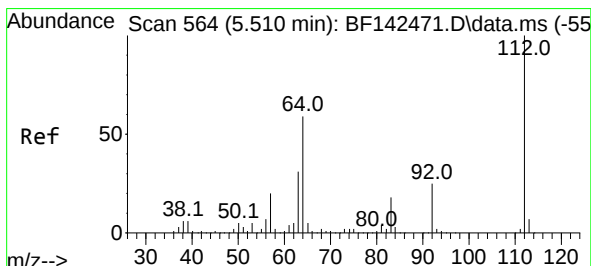
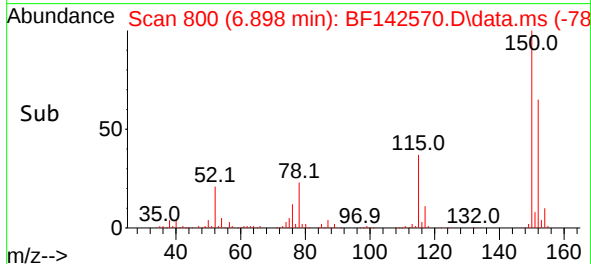
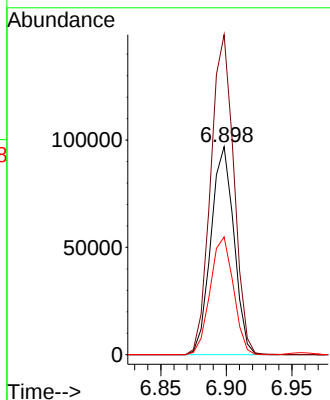
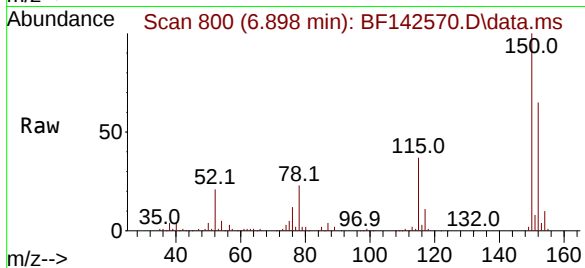




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142570.D
 Acq: 30 May 2025 15:21

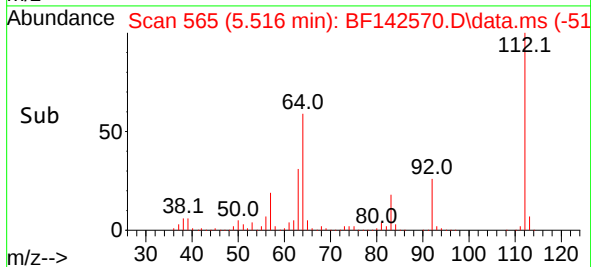
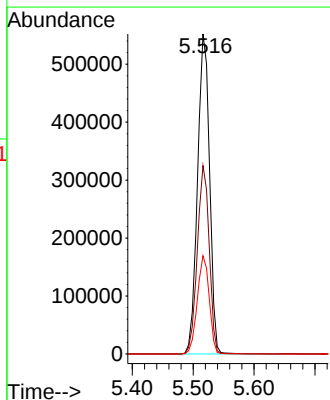
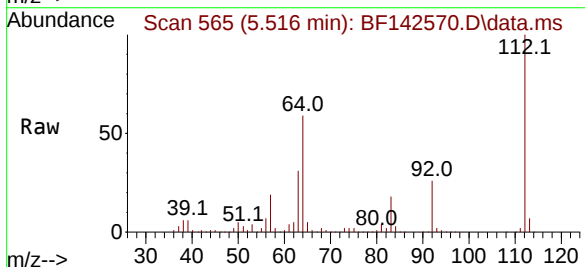
Instrument :
 BNA_F
 ClientSampleId :
 TP-54

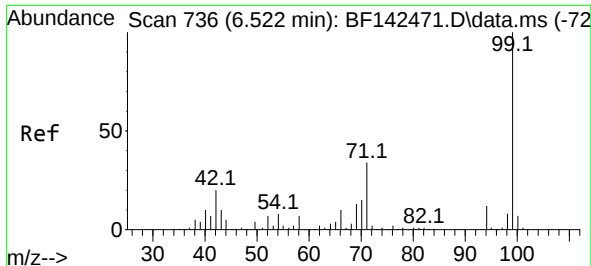
Tgt Ion:152 Resp: 118247
 Ion Ratio Lower Upper
 152 100
 150 153.9 128.2 192.4
 115 56.6 48.3 72.5



#5
 2-Fluorophenol
 Concen: 107.771 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142570.D
 Acq: 30 May 2025 15:21

Tgt Ion:112 Resp: 756406
 Ion Ratio Lower Upper
 112 100
 64 58.8 47.5 71.3
 63 30.7 24.9 37.3

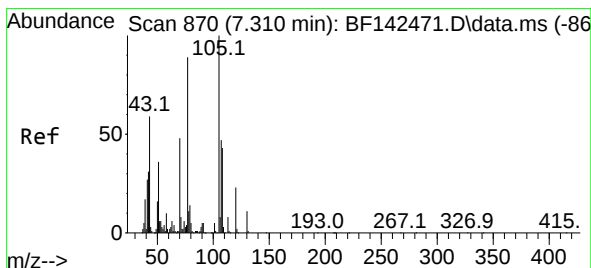
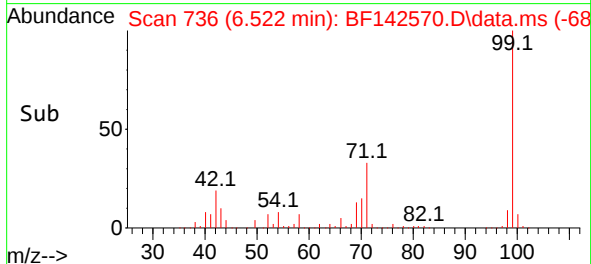
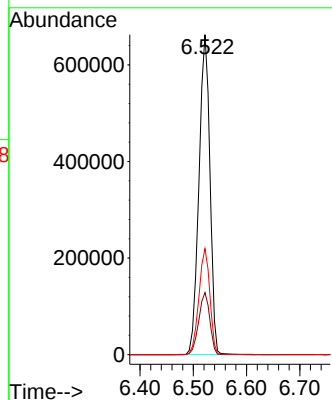
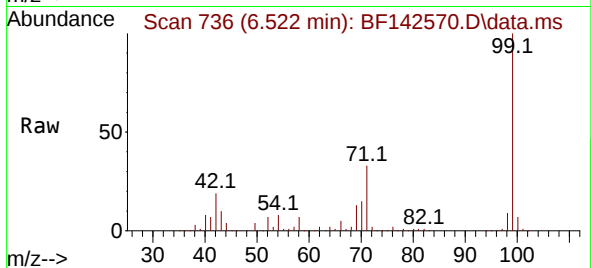




#7
Phenol-d6
Concen: 112.414 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

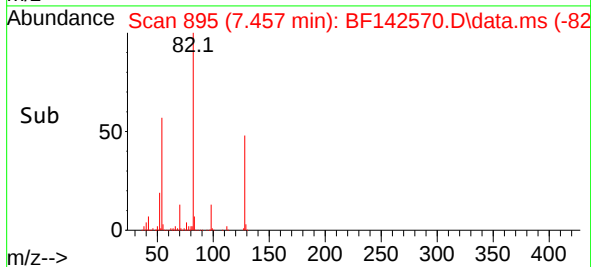
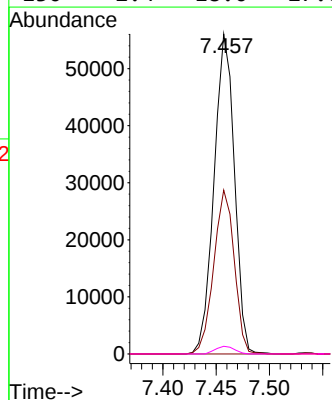
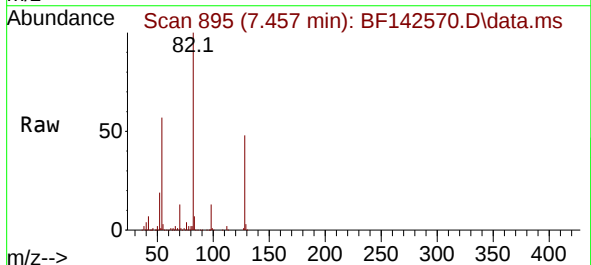
Instrument :
BNA_F
ClientSampleId :
TP-54

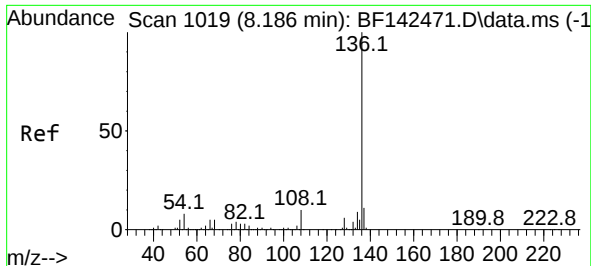
Tgt Ion: 99 Resp: 949761
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 33.1 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.260 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion: 70 Resp: 74670
Ion Ratio Lower Upper
70 100
42 51.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#



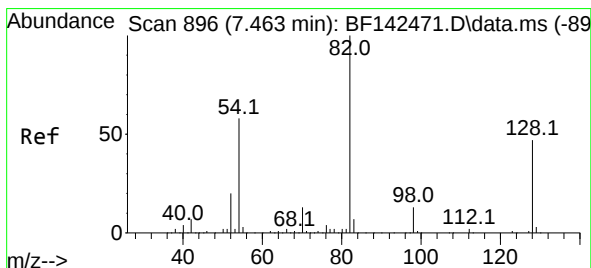
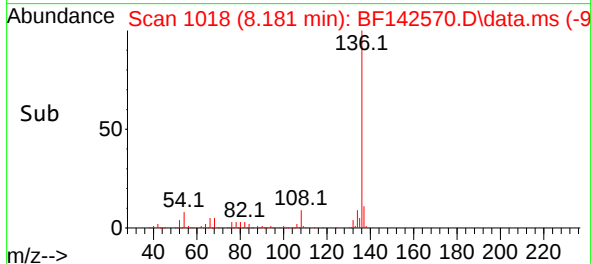
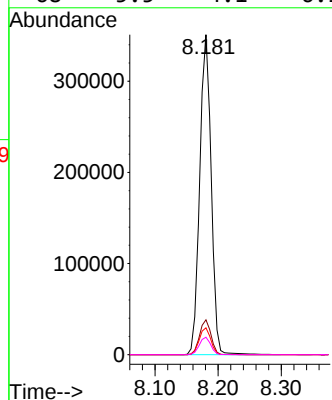
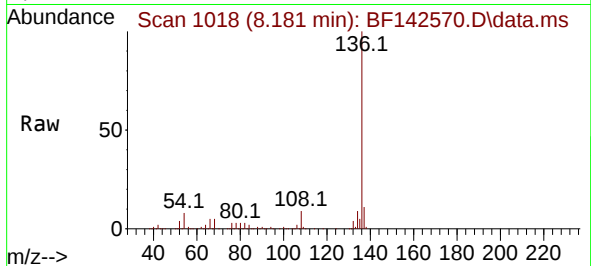


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
TP-54

Tgt Ion:136 Resp: 441924

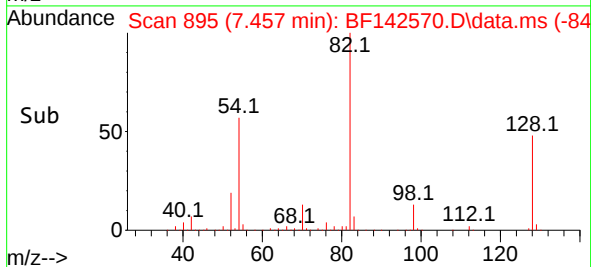
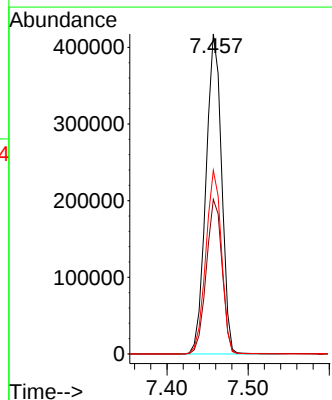
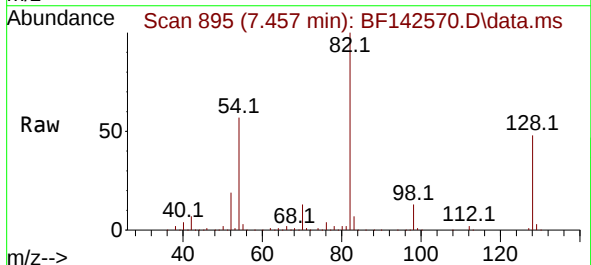
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	6.6	10.0
68	5.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 68.733 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion: 82 Resp: 557041

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.4	56.2
54	57.4	46.6	70.0

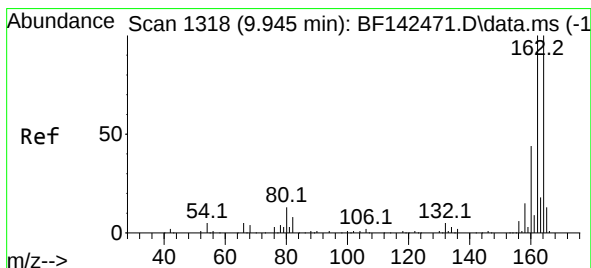
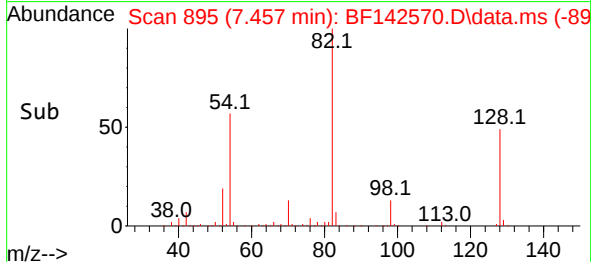
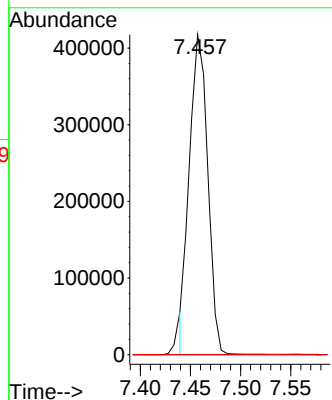
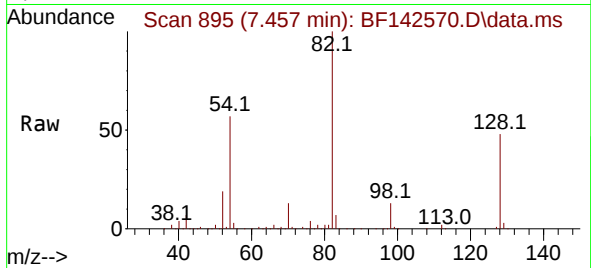




#25
Isophorone
Concen: 39.065 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

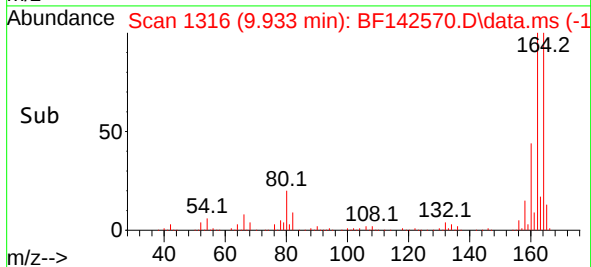
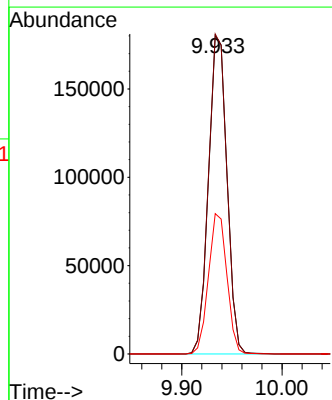
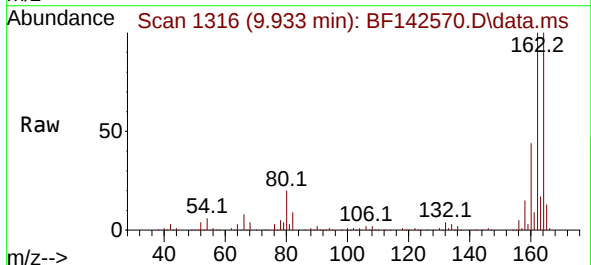
Instrument :
BNA_F
ClientSampleId :
TP-54

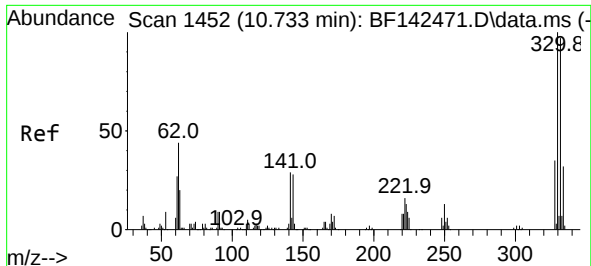
Tgt Ion: 82 Resp: 529327
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion:164 Resp: 231484
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.4
160 44.1 35.6 53.4

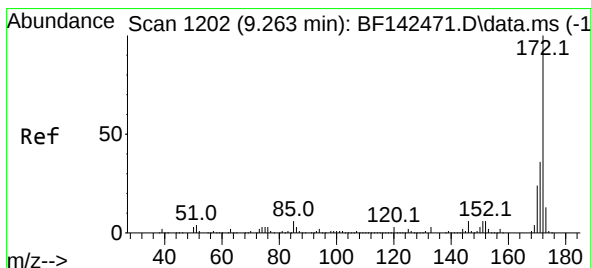
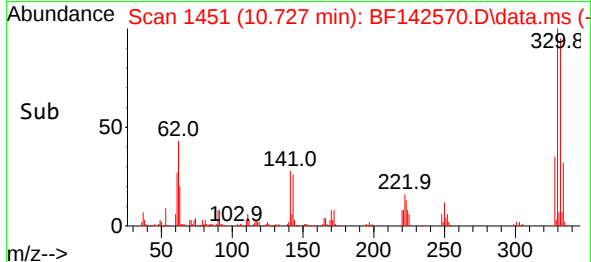
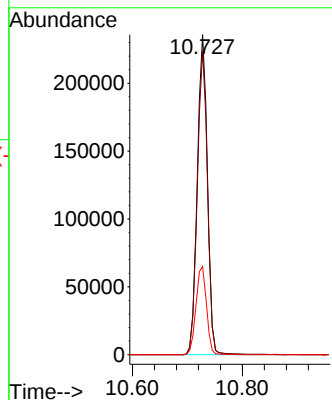
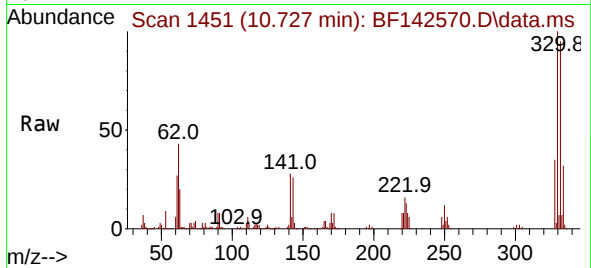




#42
 2,4,6-Tribromophenol
 Concen: 117.946 ng
 RT: 10.727 min Scan# 1451
 Delta R.T. -0.012 min
 Lab File: BF142570.D
 Acq: 30 May 2025 15:21

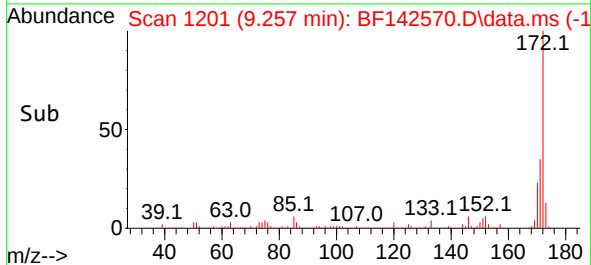
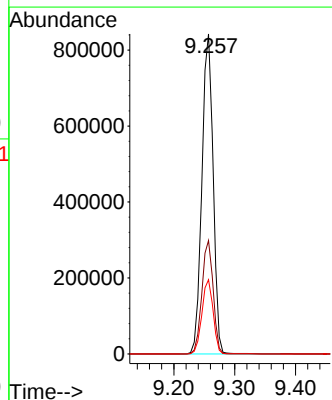
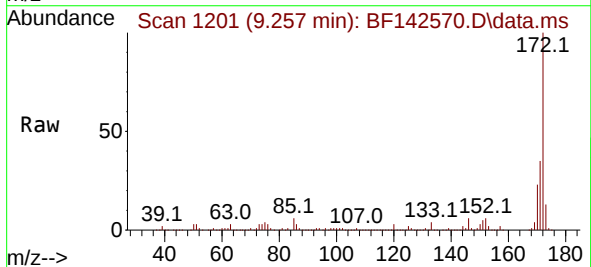
Instrument :
 BNA_F
 ClientSampleId :
 TP-54

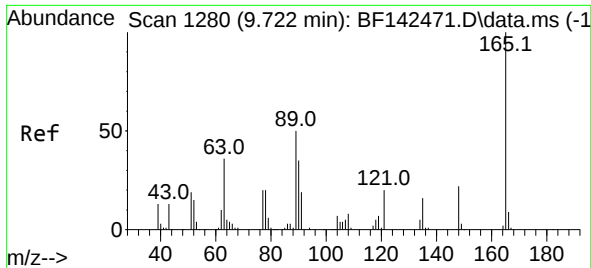
Tgt Ion:330 Resp: 303025
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.6 116.4
 141 28.5 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 62.665 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF142570.D
 Acq: 30 May 2025 15:21

Tgt Ion:172 Resp: 1081028
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.853 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142570.D

Acq: 30 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

TP-54

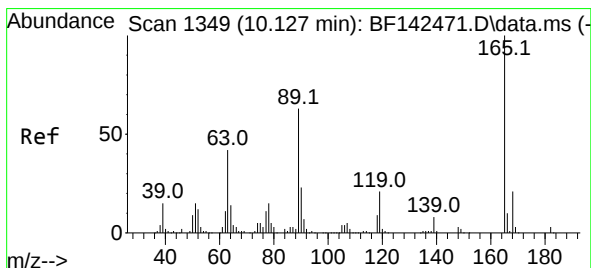
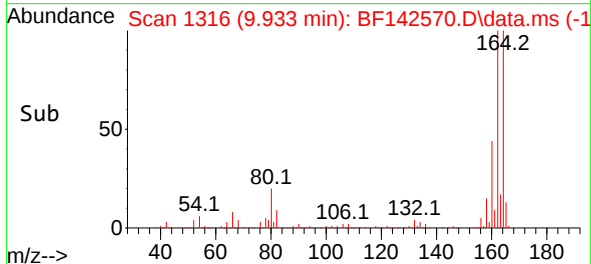
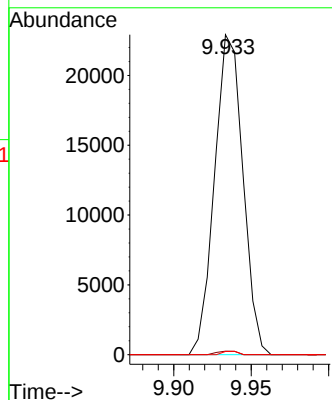
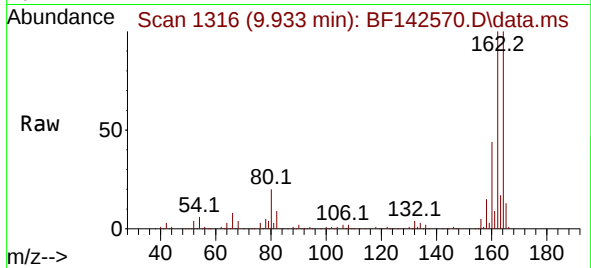
Tgt Ion:165 Resp: 29185

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: 6.779 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142570.D

Acq: 30 May 2025 15:21

Tgt Ion:165 Resp: 29185

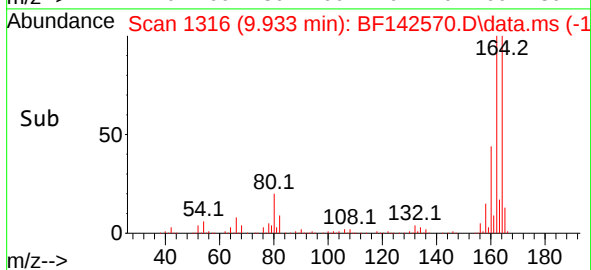
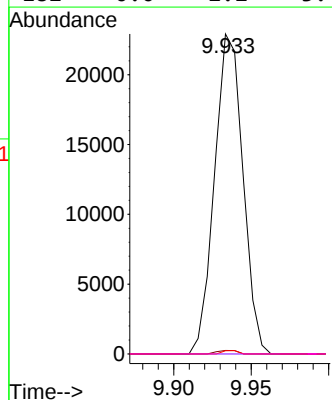
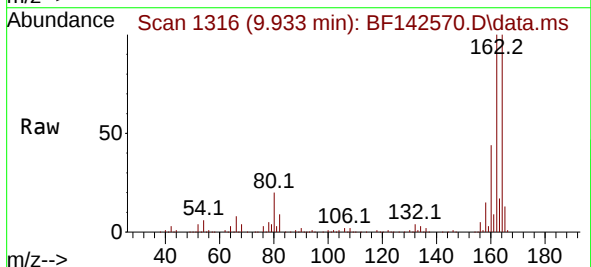
Ion Ratio Lower Upper

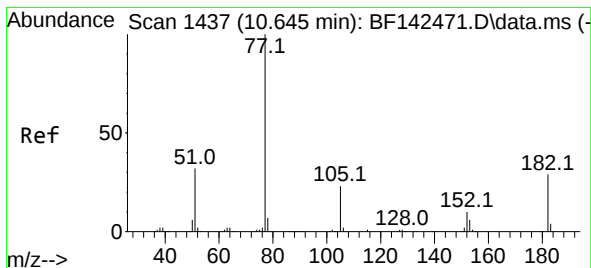
165 100

63 1.1 33.6 50.4#

89 1.0 50.2 75.4#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.334 ng

RT: 10.651 min Scan# 1438

Delta R.T. 0.006 min

Lab File: BF142570.D

Acq: 30 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

TP-54

Tgt Ion: 77 Resp: 58065

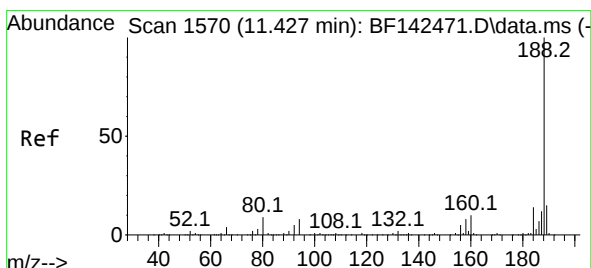
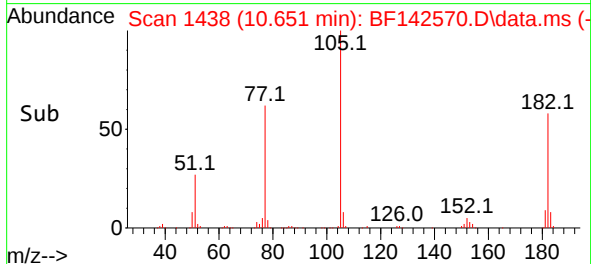
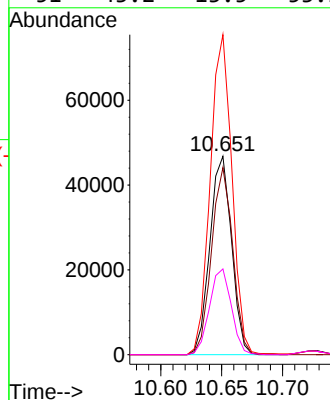
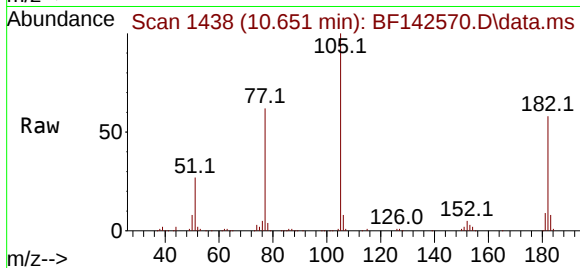
Ion Ratio Lower Upper

77 100

182 94.2 9.0 49.0#

105 161.3 2.4 42.4#

51 43.2 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: BF142570.D

Acq: 30 May 2025 15:21

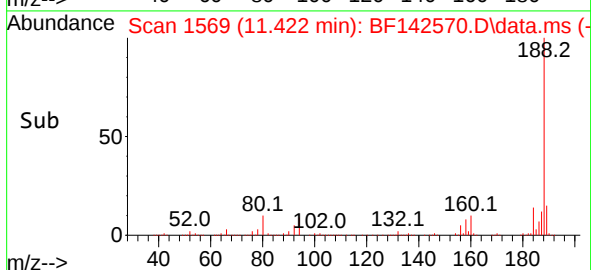
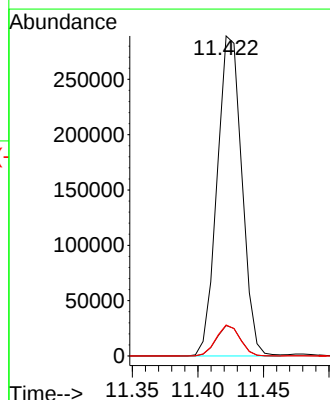
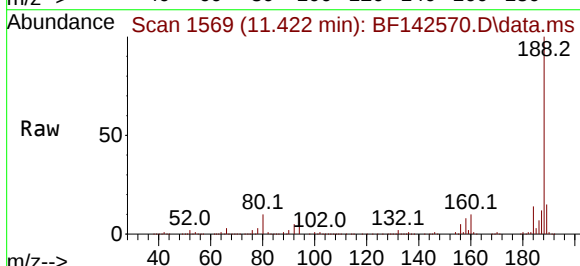
Tgt Ion:188 Resp: 379392

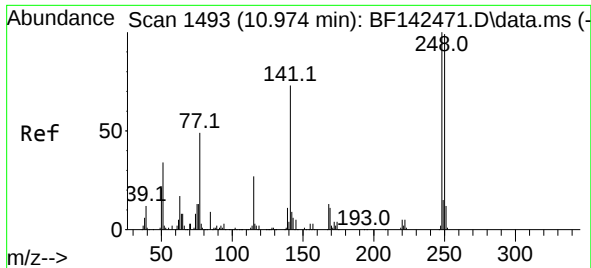
Ion Ratio Lower Upper

188 100

94 9.5 6.6 10.0

80 9.7 7.4 11.0

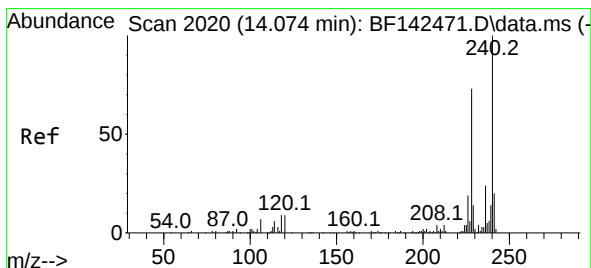
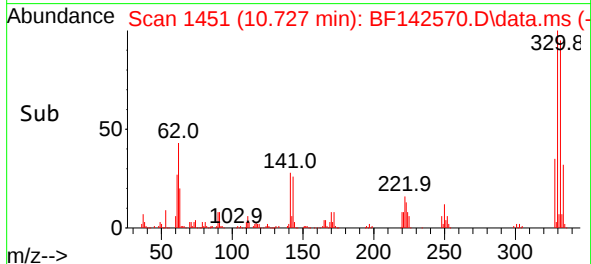
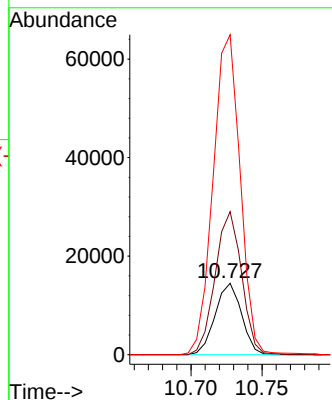
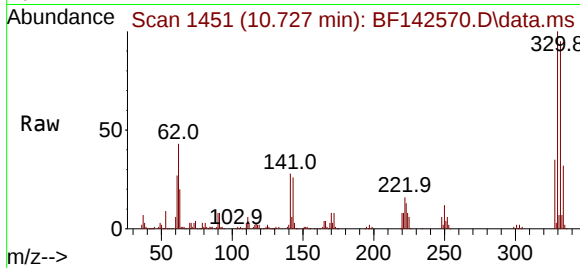




#67
4-Bromophenyl-phenylether
Concen: 4.167 ng
RT: 10.727 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

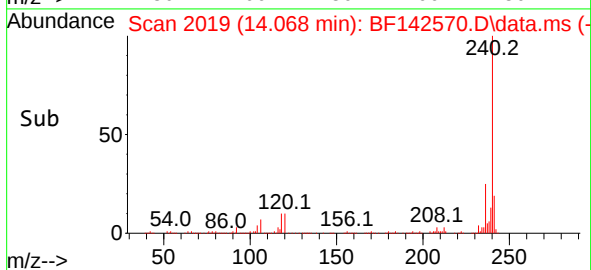
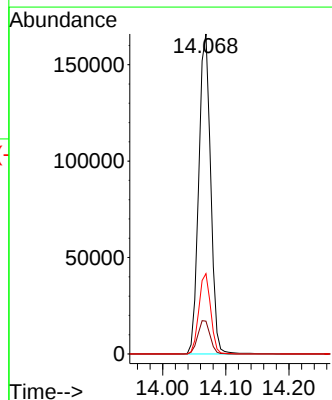
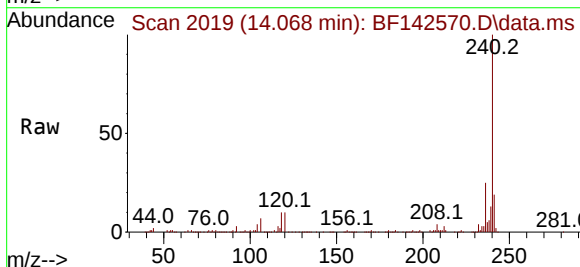
Instrument :
BNA_F
ClientSampleId :
TP-54

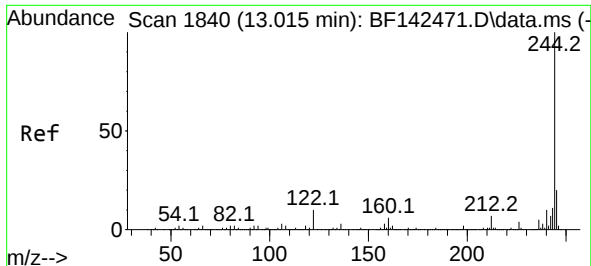
Tgt Ion:248 Resp: 18693
Ion Ratio Lower Upper
248 100
250 200.4 79.0 118.4#
141 448.0 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

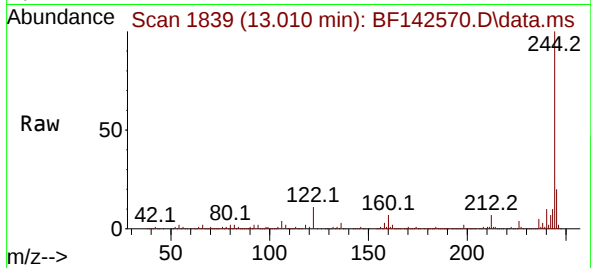
Tgt Ion:240 Resp: 216438
Ion Ratio Lower Upper
240 100
120 10.3 7.5 11.3
236 25.1 19.6 29.4



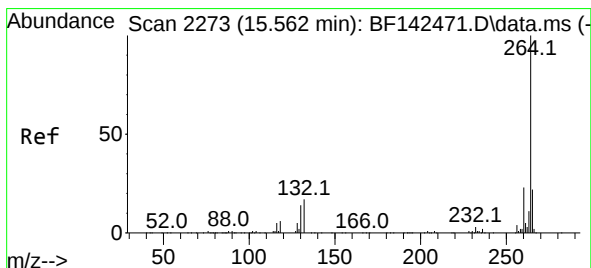
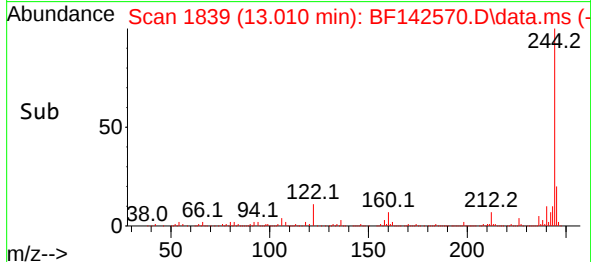
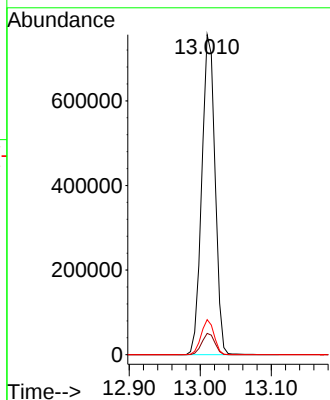


#79
Terphenyl-d14
Concen: 62.254 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
TP-54



Tgt Ion:244 Resp: 985998
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 11.0 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: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion:264 Resp: 226398
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.1 17.7 26.5

