

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142668.D
 Acq On : 07 Jun 2025 03:38
 Operator : RC/JU
 Sample : Q2227-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-01

Quant Time: Jun 07 04:28:41 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)

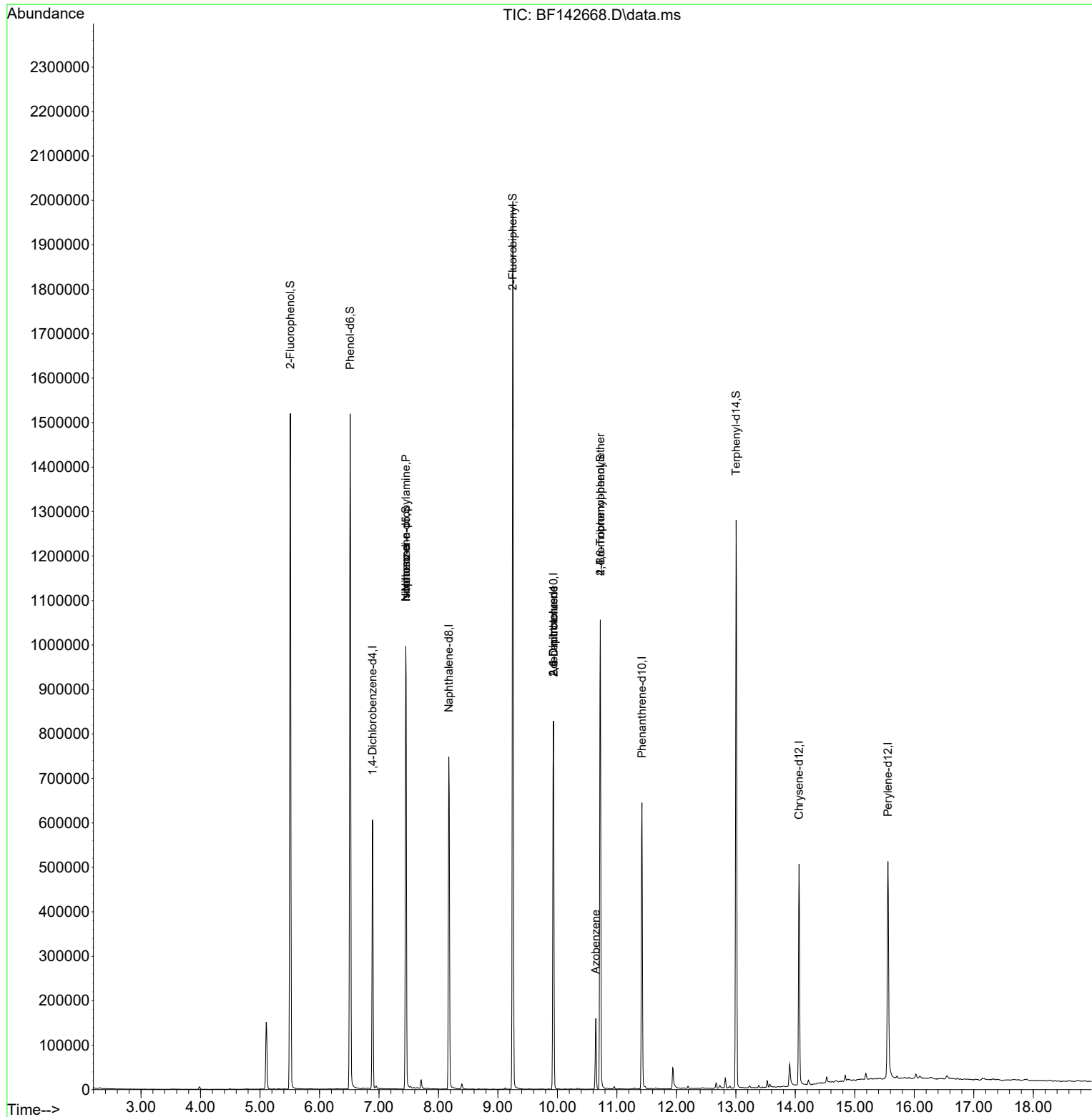
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	131070	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	488171	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	250255	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	351972	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	254720	20.000	ng	-0.01
86) Perylene-d12	15.557	264	292287	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	591117	75.981	ng	0.00
7) Phenol-d6	6.516	99	733368	78.310	ng	-0.02
23) Nitrobenzene-d5	7.451	82	436672	48.776	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	189532	68.238	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	893027	47.884	ng	-0.02
79) Terphenyl-d14	13.004	244	636200	34.131	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	58066	10.004	ng	# 75
25) Isophorone	7.451	82	420118	28.068	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	31898	8.950	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	31898	6.853	ng	# 28
63) Azobenzene	10.645	77	37420	2.583	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	11593	2.786	ng	# 1

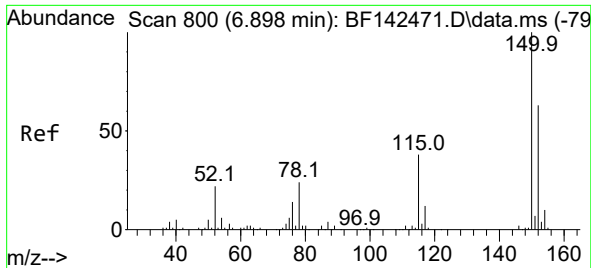
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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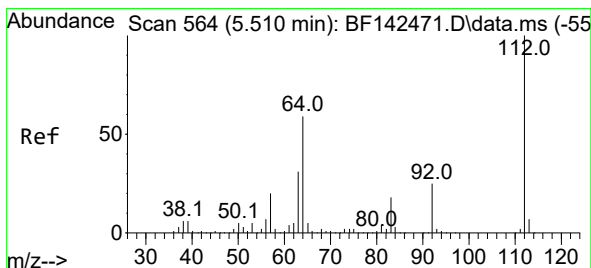
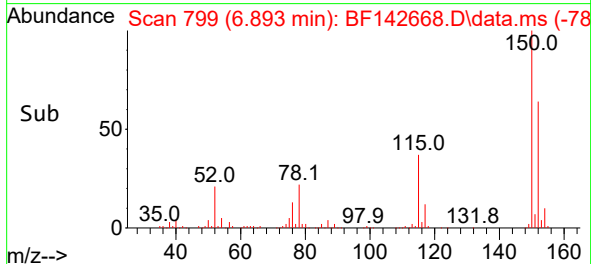
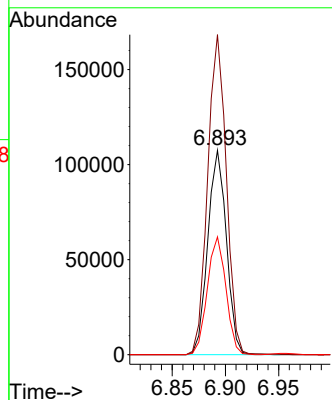
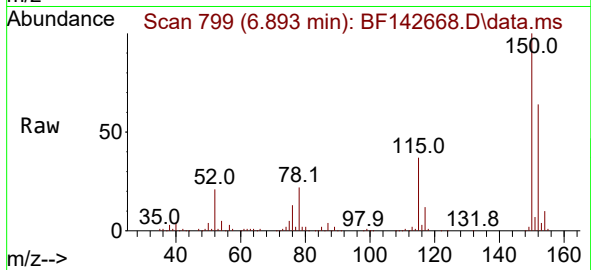




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

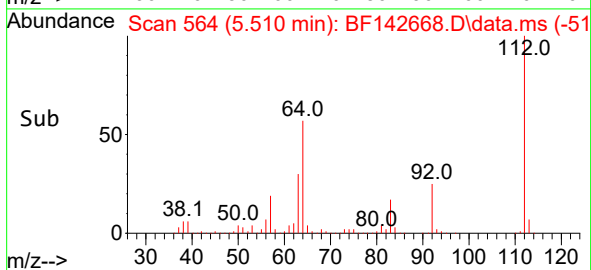
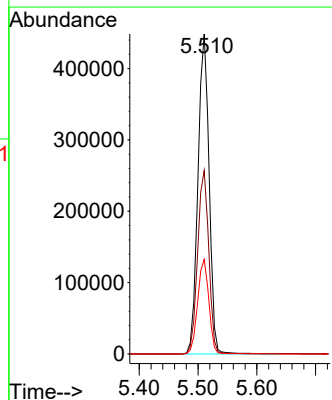
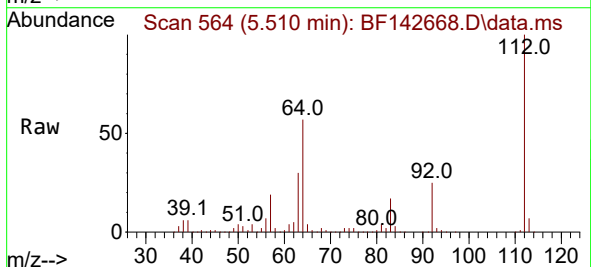
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-01

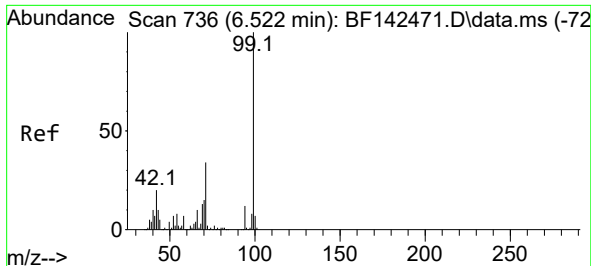
Tgt Ion:152 Resp: 131070
Ion Ratio Lower Upper
152 100
150 156.6 128.2 192.4
115 57.6 48.3 72.5



#5
2-Fluorophenol
Concen: 75.981 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

Tgt Ion:112 Resp: 591117
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.6 24.9 37.3

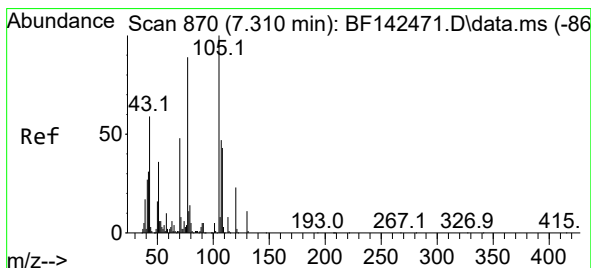
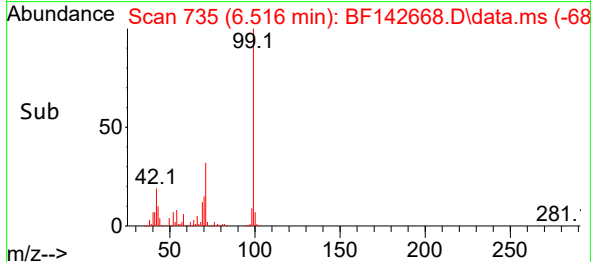
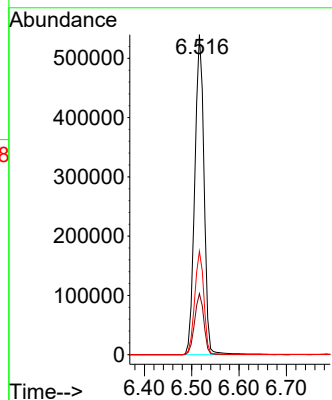
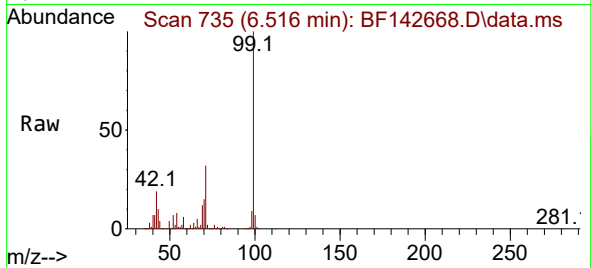




#7
Phenol-d6
Concen: 78.310 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

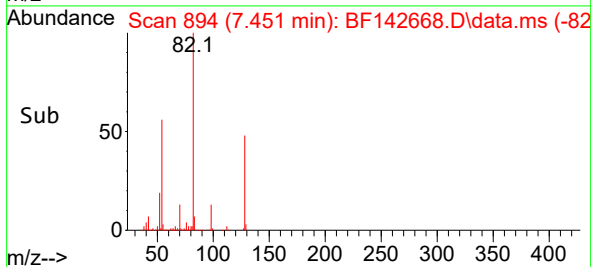
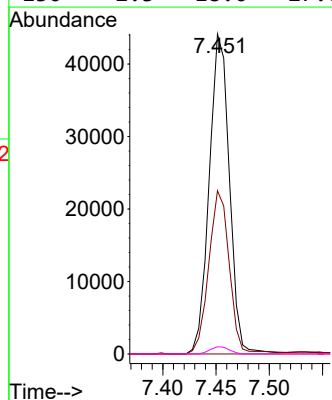
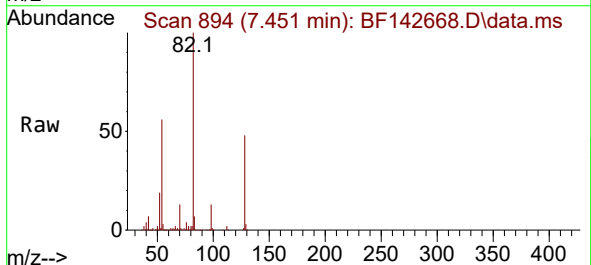
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-01

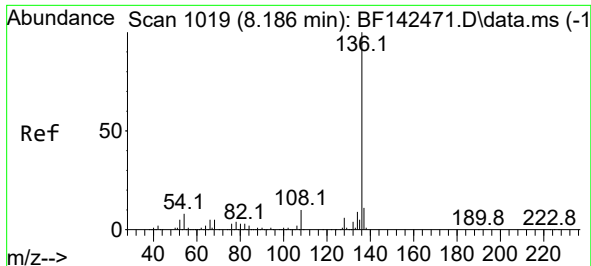
Tgt Ion: 99 Resp: 733368
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.004 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

Tgt Ion: 70 Resp: 58066
Ion Ratio Lower Upper
70 100
42 51.0 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#



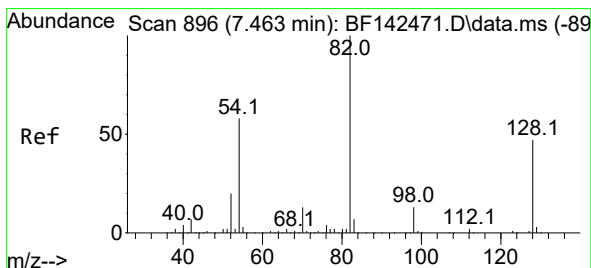
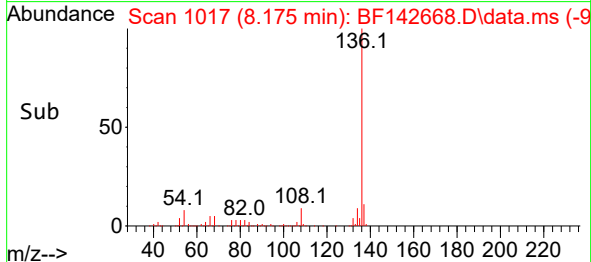
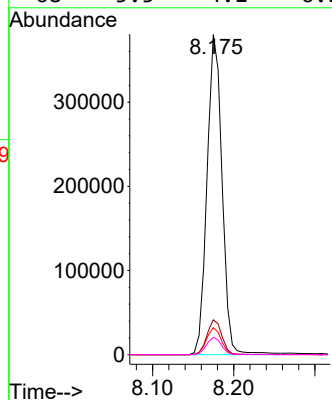
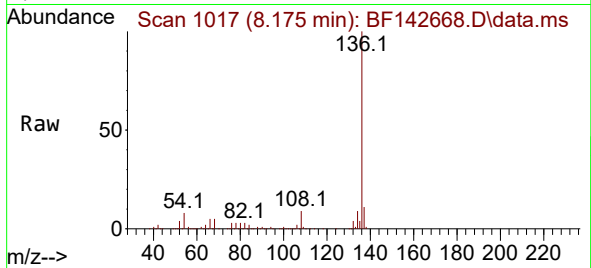


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-01

Tgt Ion:136 Resp: 488171

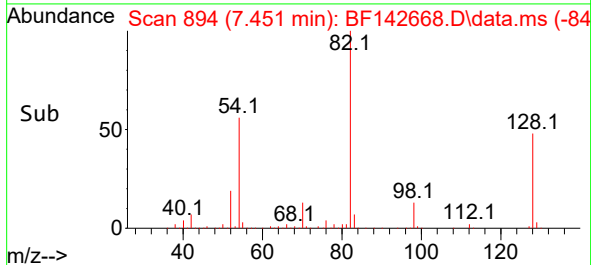
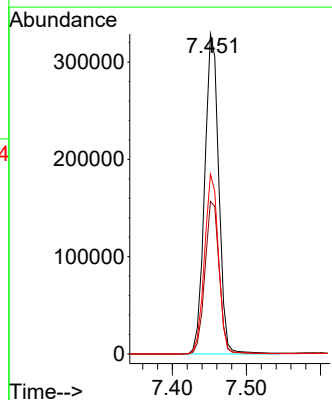
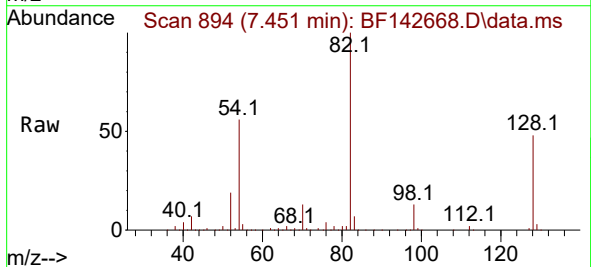
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	6.6	10.0
68	5.5	4.1	6.1

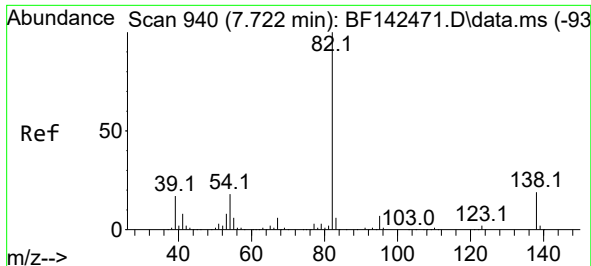


#23
Nitrobenzene-d5
Concen: 48.776 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

Tgt Ion: 82 Resp: 436672

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

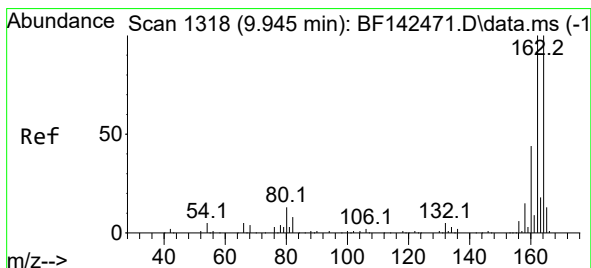
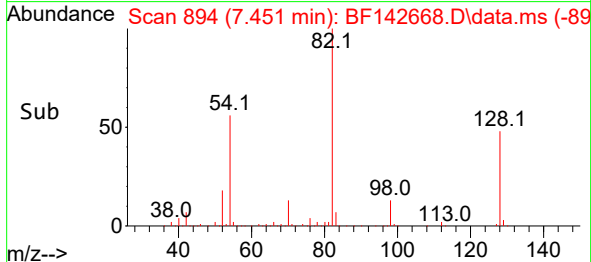
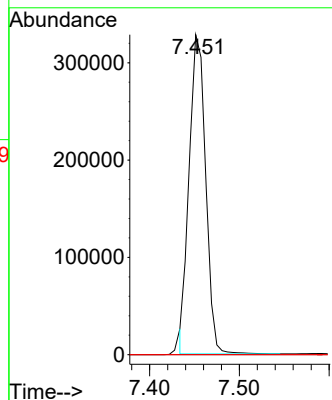
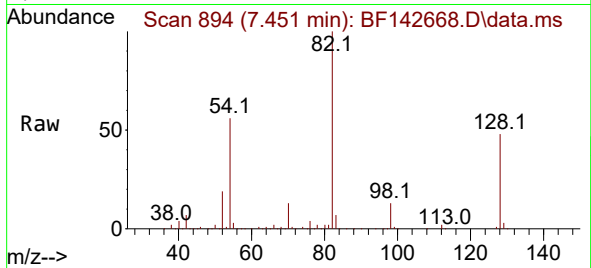




#25
Isophorone
Concen: 28.068 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

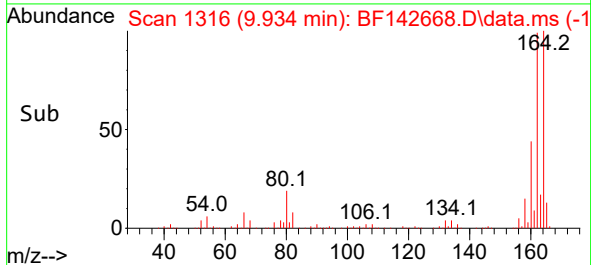
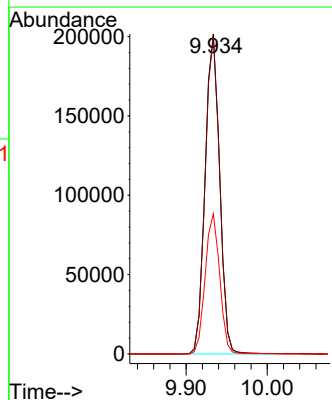
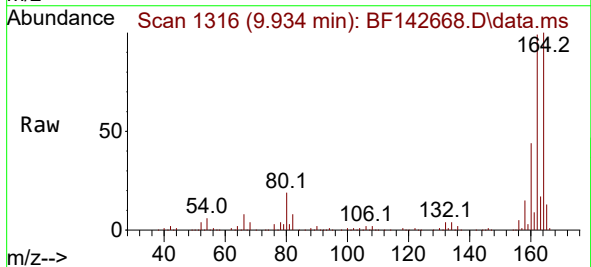
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-01

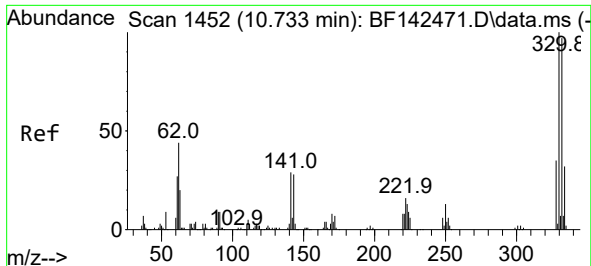
Tgt Ion: 82 Resp: 420118
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

Tgt Ion:164 Resp: 250255
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.4
160 43.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 68.238 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.017 min

Lab File: BF142668.D

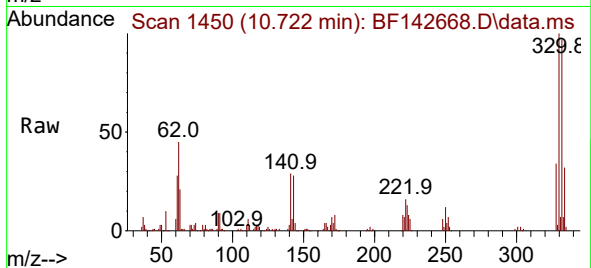
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Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-01



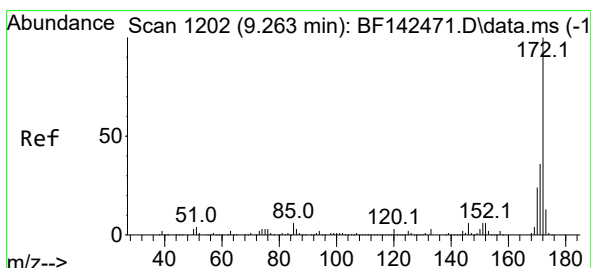
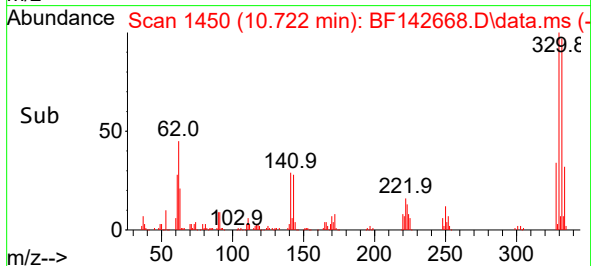
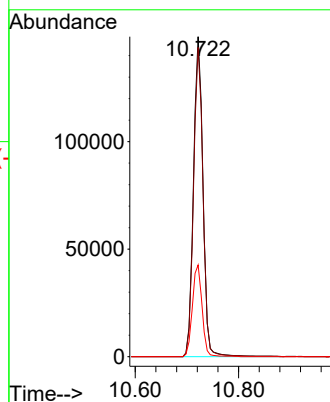
Tgt Ion:330 Resp: 189532

Ion Ratio Lower Upper

330 100

332 96.0 77.6 116.4

141 29.3 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 47.884 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142668.D

Acq: 07 Jun 2025 03:38

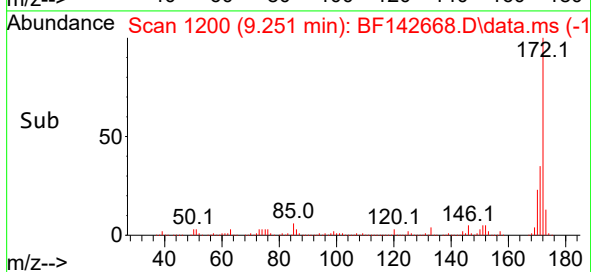
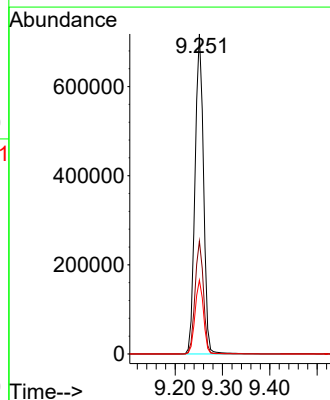
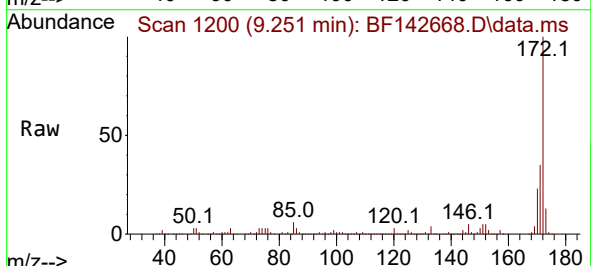
Tgt Ion:172 Resp: 893027

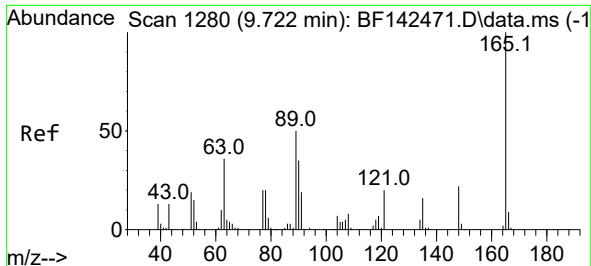
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.1 18.9 28.3

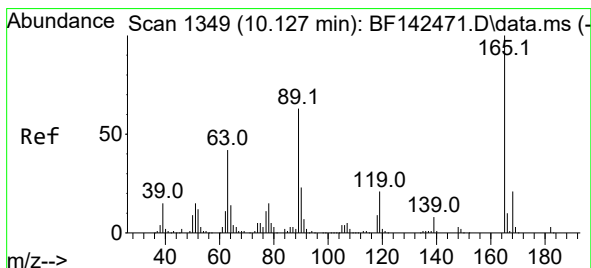
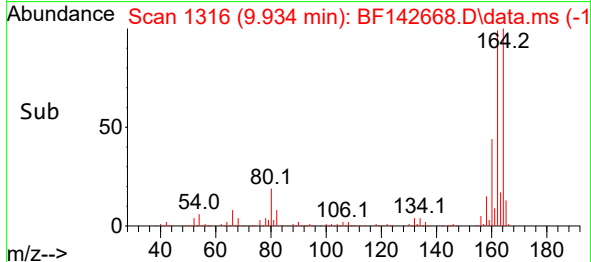
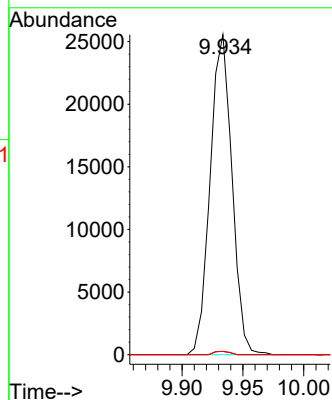
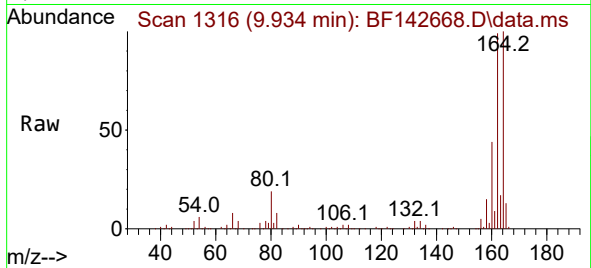




#51
2,6-Dinitrotoluene
Concen: 8.950 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

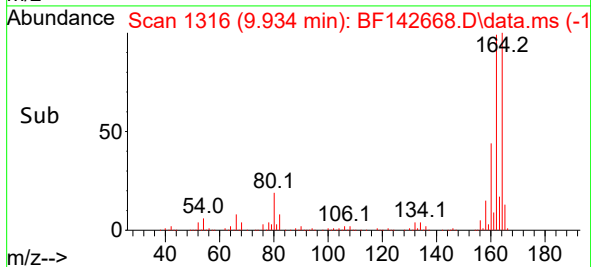
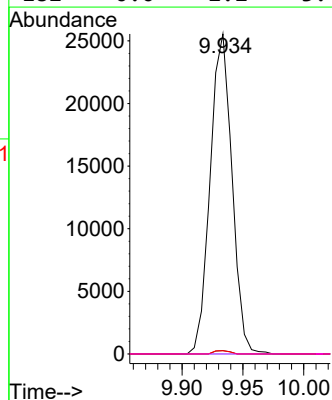
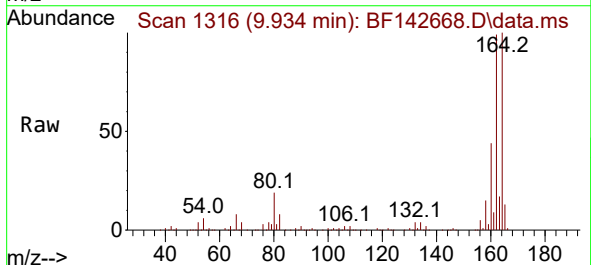
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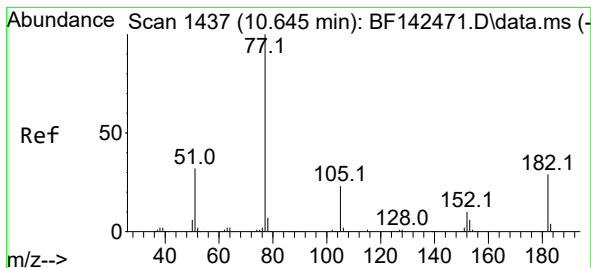
Tgt Ion:165 Resp: 31898
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.853 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

Tgt Ion:165 Resp: 31898
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.583 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF142668.D

Acq: 07 Jun 2025 03:38

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-01

Tgt Ion: 77 Resp: 37420

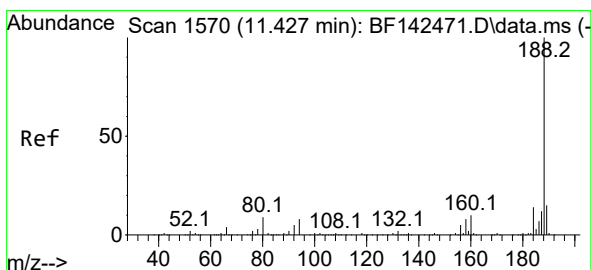
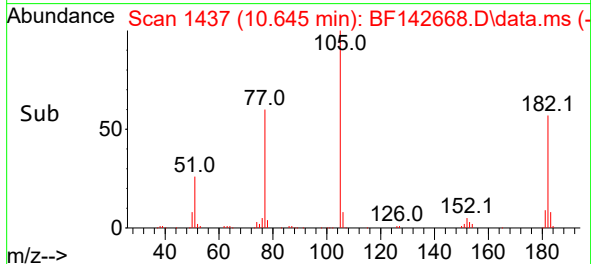
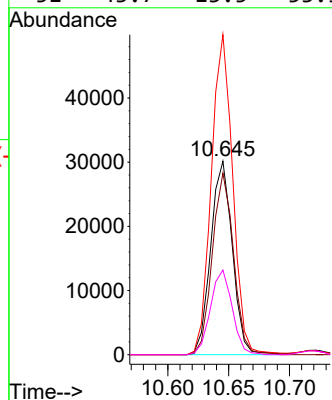
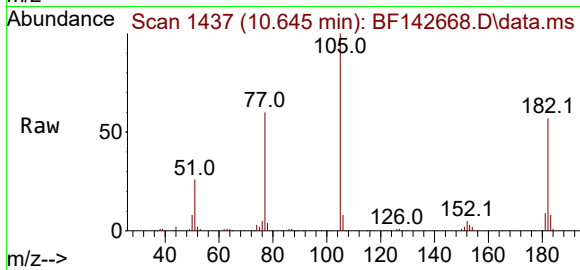
Ion Ratio Lower Upper

77 100

182 93.8 9.0 49.0#

105 165.4 2.4 42.4#

51 43.7 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: BF142668.D

Acq: 07 Jun 2025 03:38

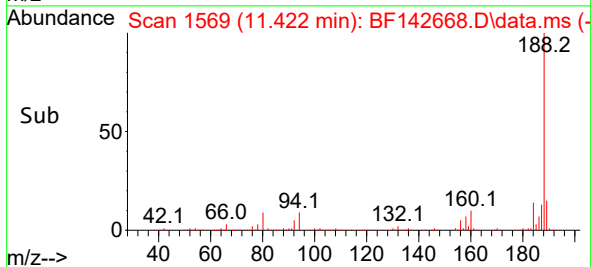
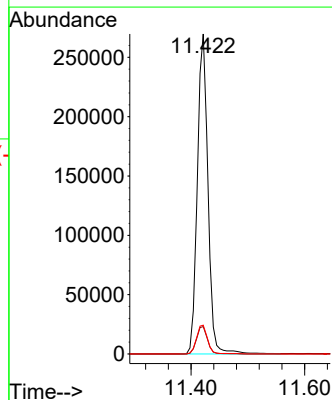
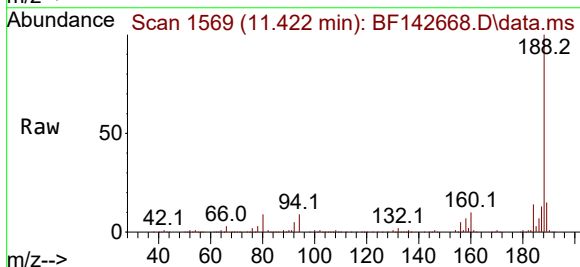
Tgt Ion: 188 Resp: 351972

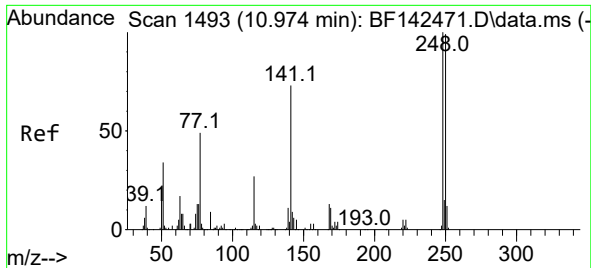
Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.0 7.4 11.0

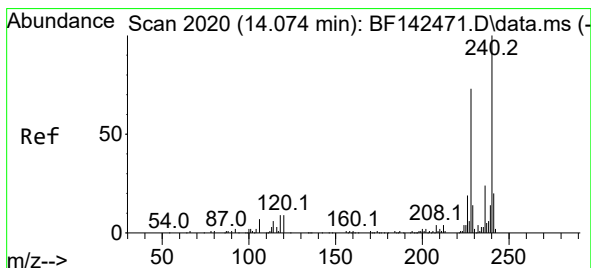
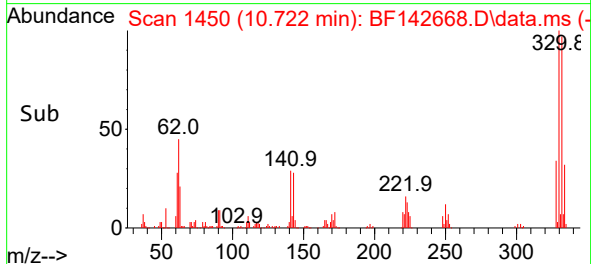
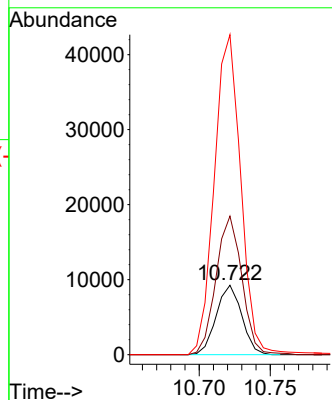
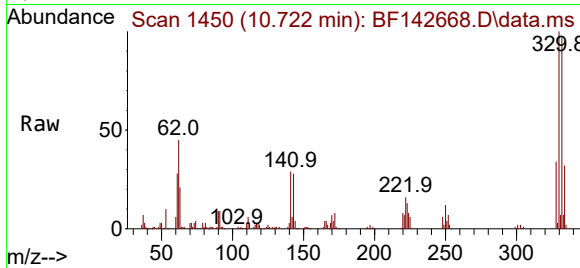




#67
4-Bromophenyl-phenylether
Concen: 2.786 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

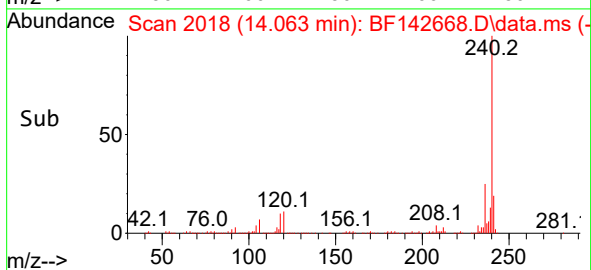
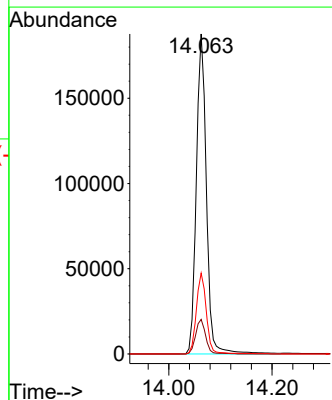
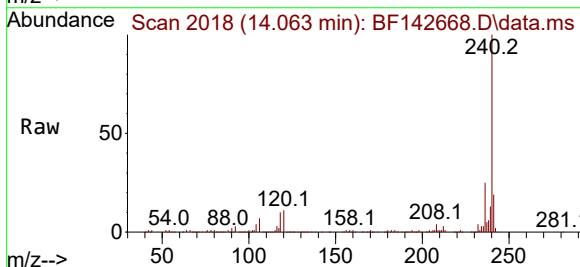
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-01

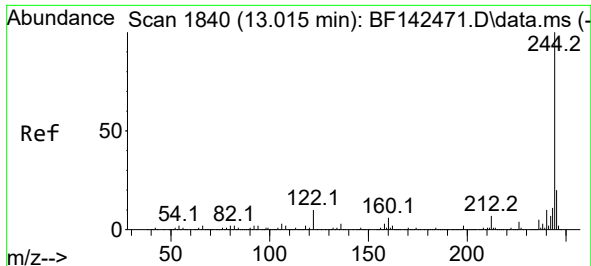
Tgt Ion:248 Resp: 11593
Ion Ratio Lower Upper
248 100
250 199.5 79.0 118.4#
141 460.5 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142668.D
Acq: 07 Jun 2025 03:38

Tgt Ion:240 Resp: 254720
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.3 19.6 29.4

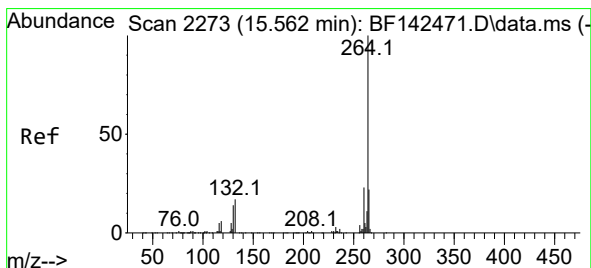
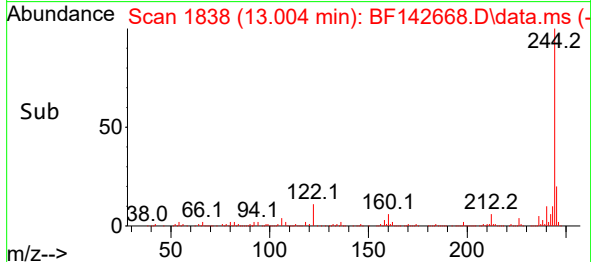
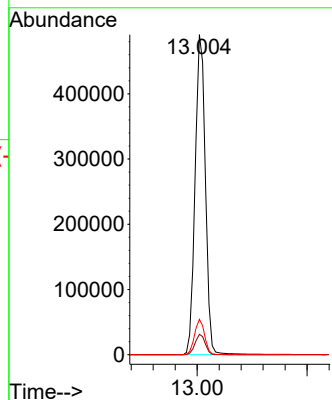
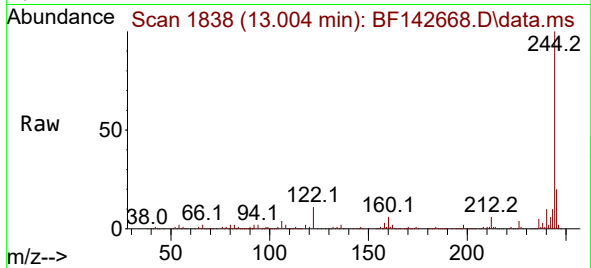




#79
 Terphenyl-d14
 Concen: 34.131 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142668.D
 Acq: 07 Jun 2025 03:38

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-01

Tgt Ion:244 Resp: 636200
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 11.1 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: BF142668.D
 Acq: 07 Jun 2025 03:38

Tgt Ion:264 Resp: 292287
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 28.0
 265 21.2 17.7 26.5

