

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142647.D
 Acq On : 06 Jun 2025 15:29
 Operator : RC/JU
 Sample : Q2214-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251425

Quant Time: Jun 06 15:55:21 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)

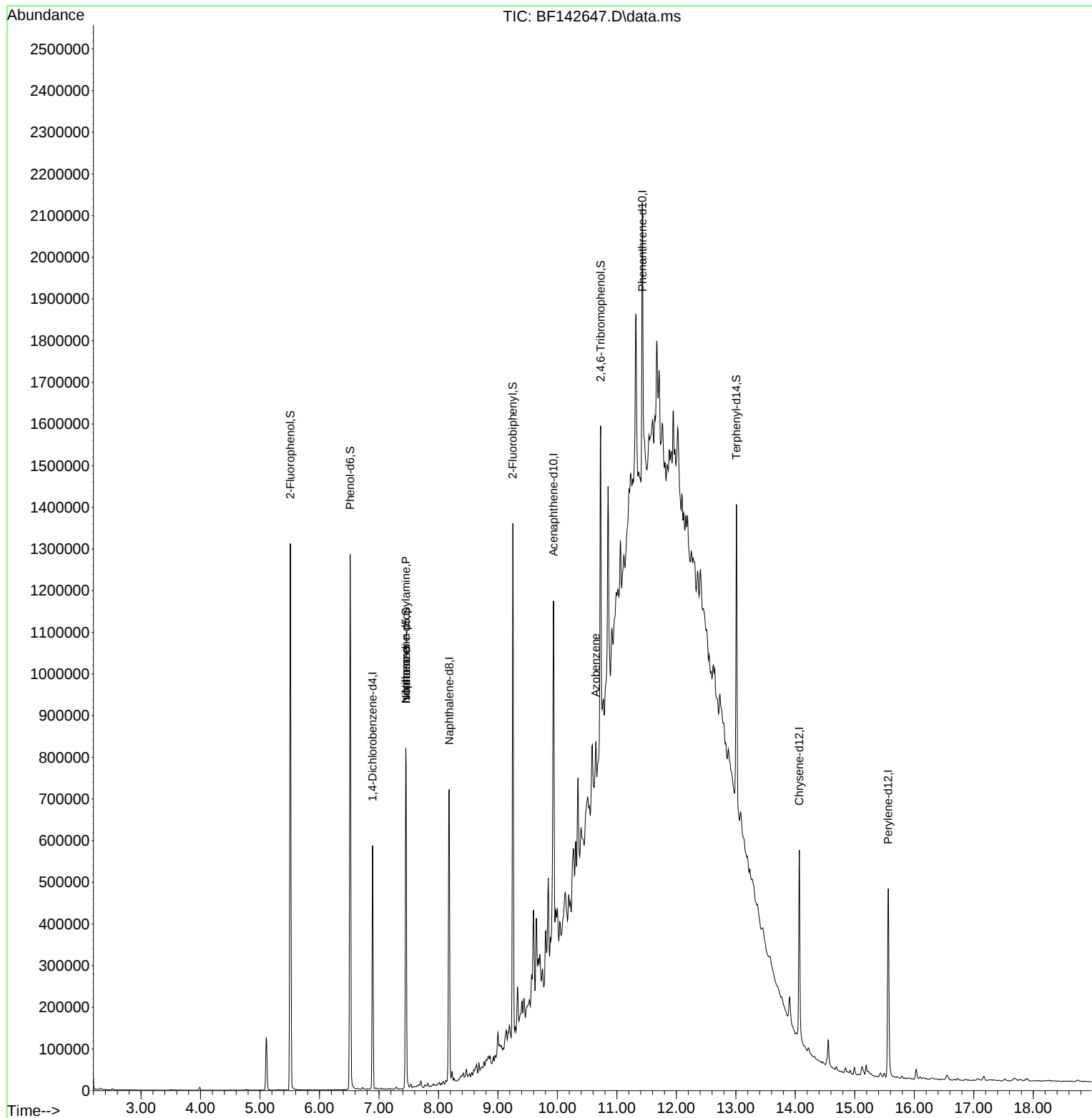
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	126451	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	471753	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	241763	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	331187	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	228935	20.000	ng	0.00
86) Perylene-d12	15.562	264	276481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	503947	67.143	ng	0.00
7) Phenol-d6	6.516	99	611630	67.696	ng	-0.02
23) Nitrobenzene-d5	7.451	82	363289	41.992	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	157646	58.752	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	551311	30.600	ng	-0.02
79) Terphenyl-d14	13.010	244	362297	21.626	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	48925	8.737	ng	# 76
25) Isophorone	7.451	82	323143	22.340	ng	# 63
63) Azobenzene	10.645	77	31272	2.235	ng	# 1

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

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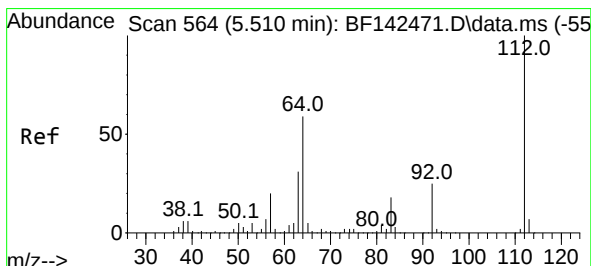
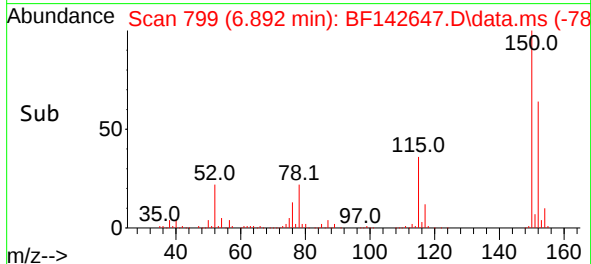
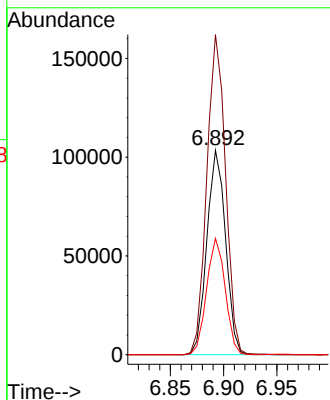
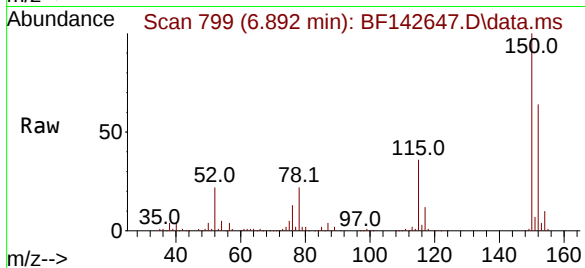




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF142647.D
 Acq: 06 Jun 2025 15:29

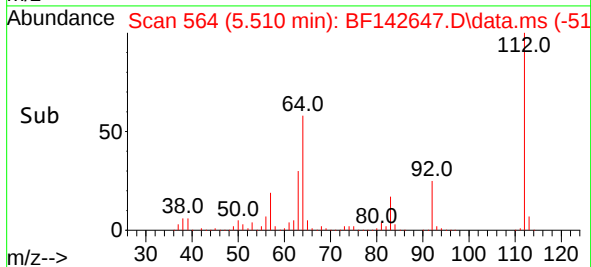
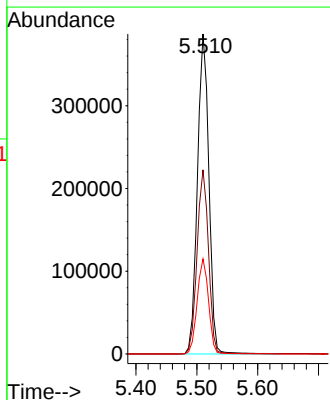
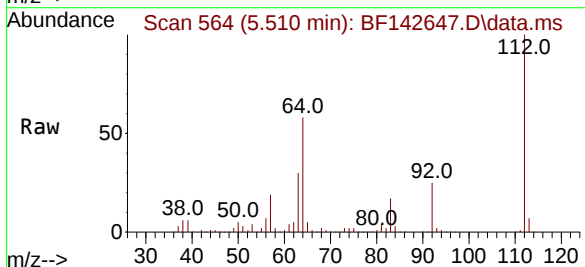
Instrument :
 BNA_F
 ClientSampleId :
 RBR251425

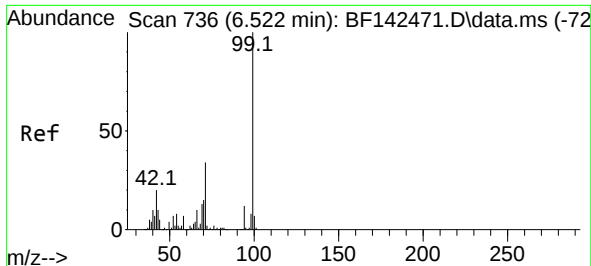
Tgt Ion:152 Resp: 126451
 Ion Ratio Lower Upper
 152 100
 150 156.6 128.2 192.4
 115 56.9 48.3 72.5



#5
 2-Fluorophenol
 Concen: 67.143 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142647.D
 Acq: 06 Jun 2025 15:29

Tgt Ion:112 Resp: 503947
 Ion Ratio Lower Upper
 112 100
 64 57.5 47.5 71.3
 63 29.7 24.9 37.3

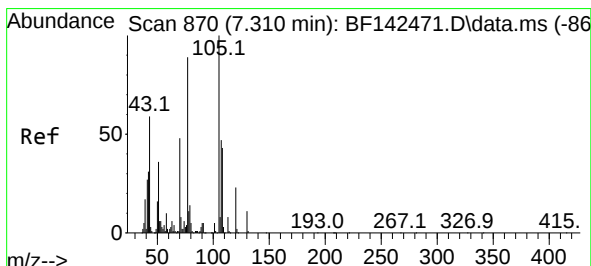
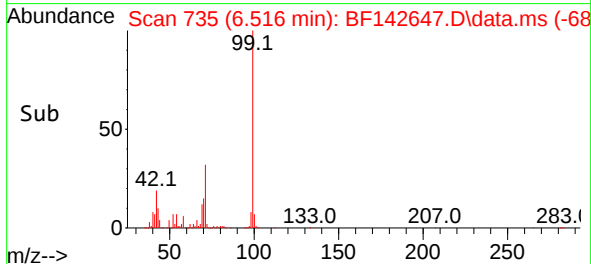
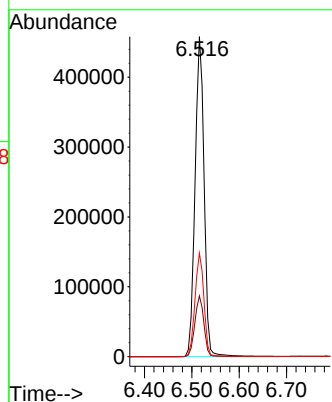
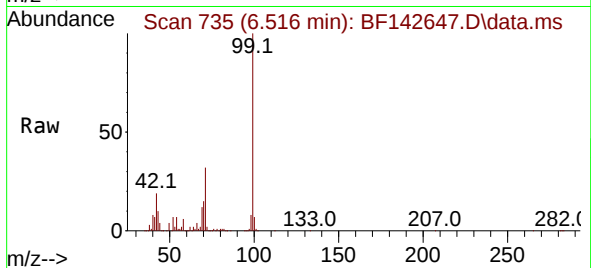




#7
Phenol-d6
Concen: 67.696 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142647.D
Acq: 06 Jun 2025 15:29

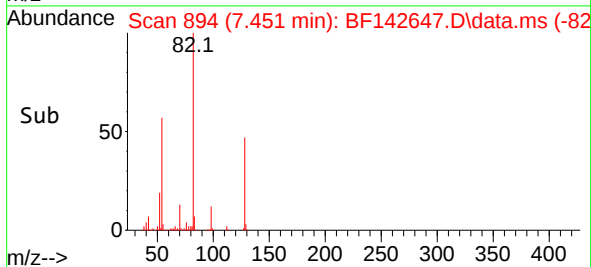
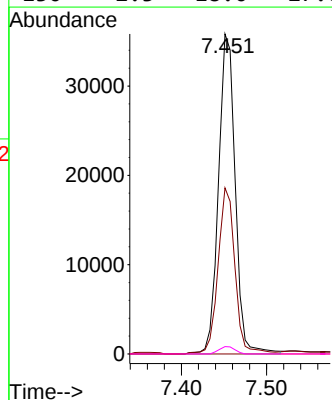
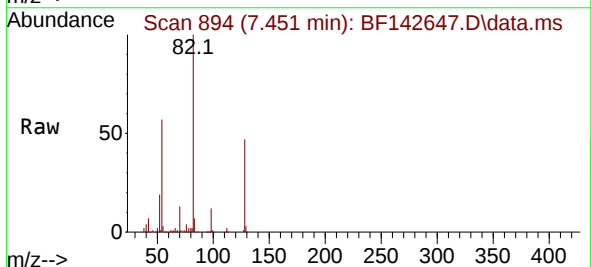
Instrument :
BNA_F
ClientSampleId :
RBR251425

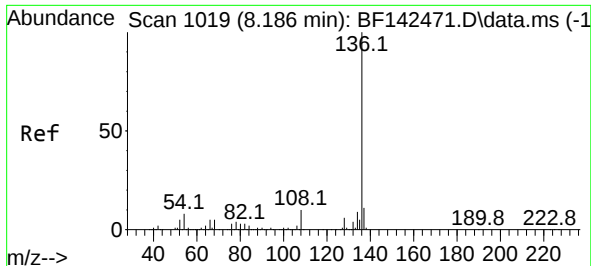
Tgt Ion: 99 Resp: 611630
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.737 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142647.D
Acq: 06 Jun 2025 15:29

Tgt Ion: 70 Resp: 48925
Ion Ratio Lower Upper
70 100
42 51.9 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#



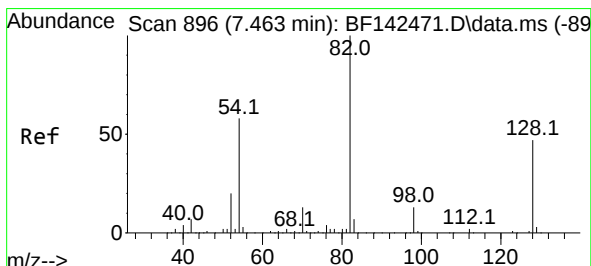
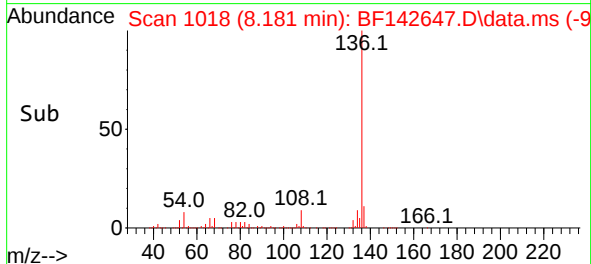
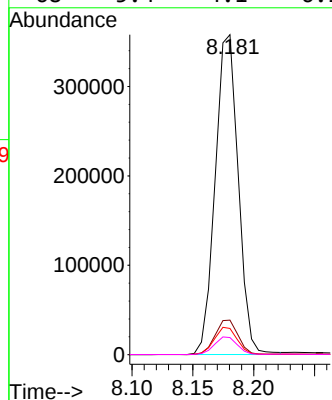
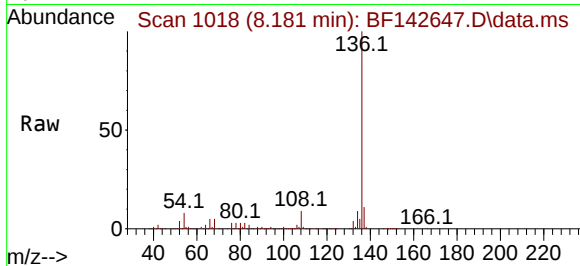


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142647.D
Acq: 06 Jun 2025 15:29

Instrument :
BNA_F
ClientSampleId :
RBR251425

Tgt Ion:136 Resp: 471753

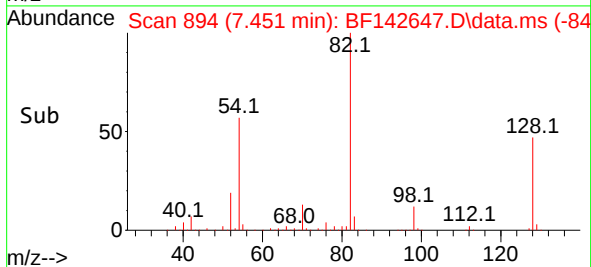
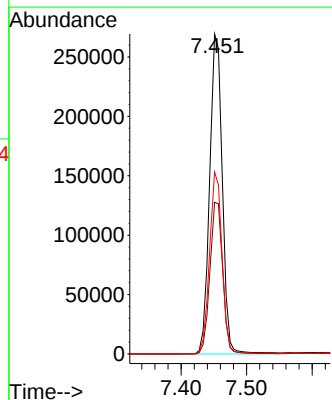
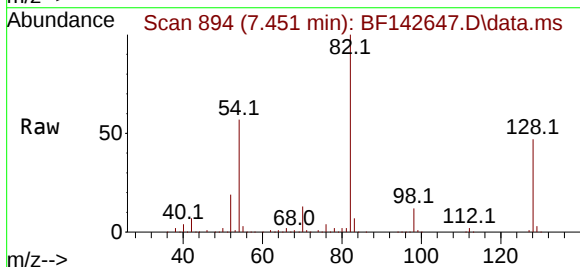
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.2	6.6	10.0
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 41.992 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.024 min
Lab File: BF142647.D
Acq: 06 Jun 2025 15:29

Tgt Ion: 82 Resp: 363289

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.2
54	56.8	46.6	70.0

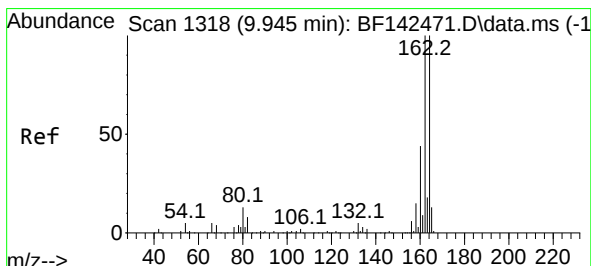
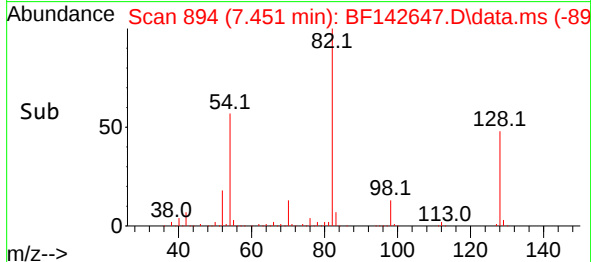
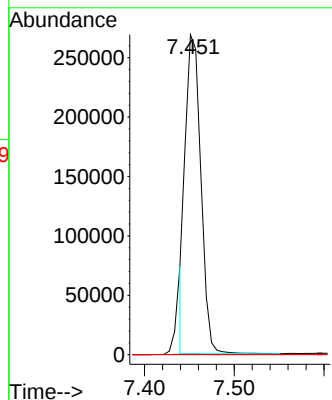
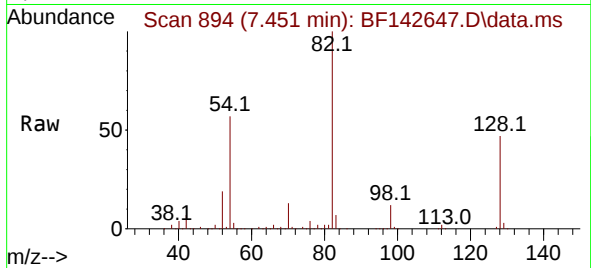




#25
Isophorone
Concen: 22.340 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142647.D
Acq: 06 Jun 2025 15:29

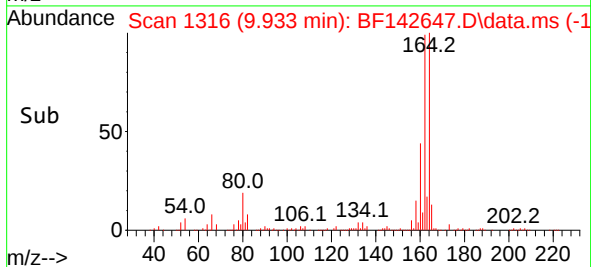
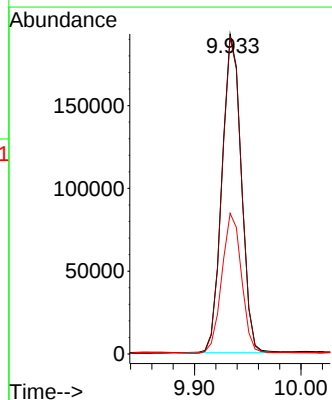
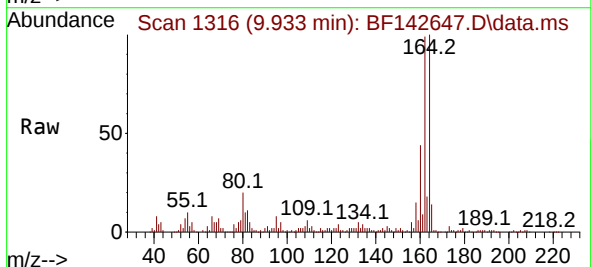
Instrument :
BNA_F
ClientSampleId :
RBR251425

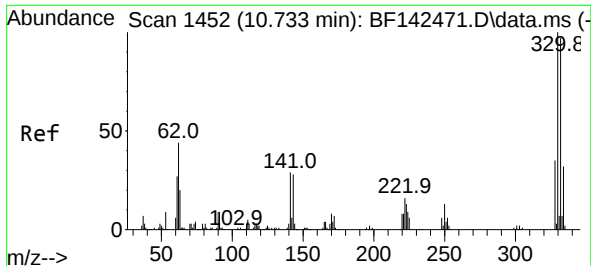
Tgt Ion: 82 Resp: 323143
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142647.D
Acq: 06 Jun 2025 15:29

Tgt Ion:164 Resp: 241763
Ion Ratio Lower Upper
164 100
162 98.9 80.2 120.4
160 44.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 58.752 ng

RT: 10.727 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF142647.D

Acq: 06 Jun 2025 15:29

Instrument :

BNA_F

ClientSampleId :

RBR251425

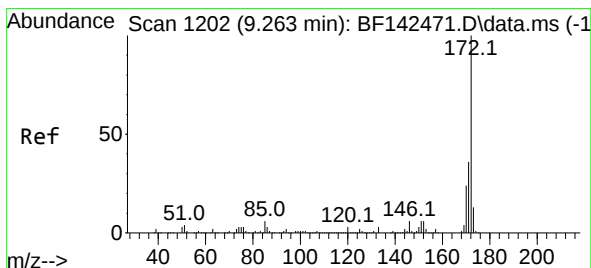
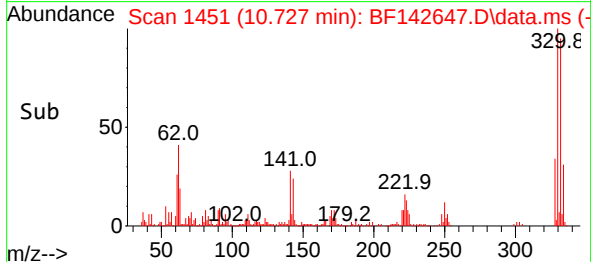
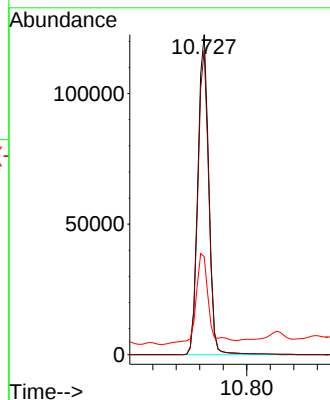
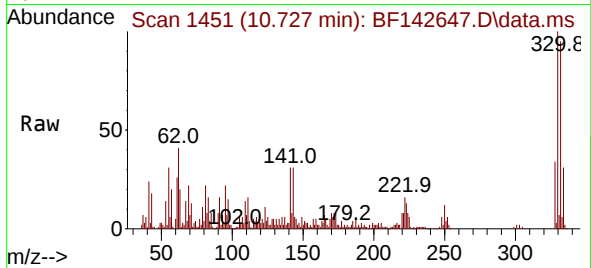
Tgt Ion:330 Resp: 157646

Ion Ratio Lower Upper

330 100

332 94.9 77.6 116.4

141 33.5 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 30.600 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142647.D

Acq: 06 Jun 2025 15:29

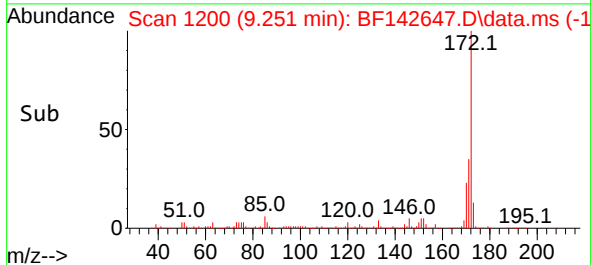
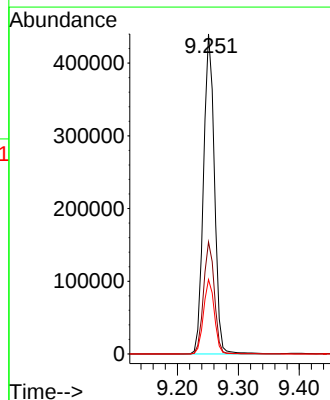
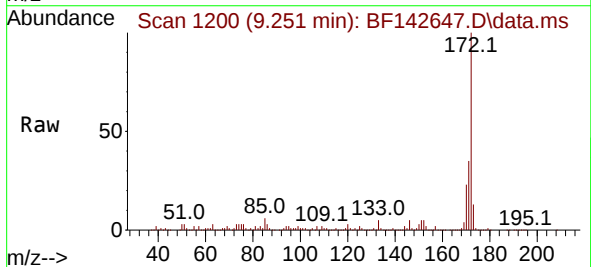
Tgt Ion:172 Resp: 551311

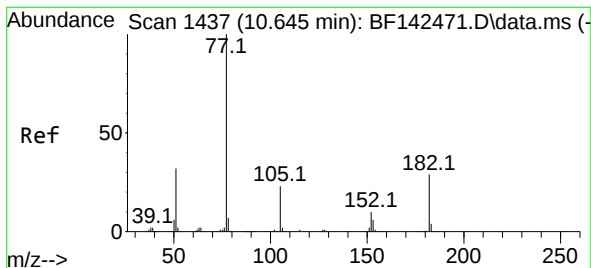
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.2 18.9 28.3





#63

Azobenzene

Concen: 2.235 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142647.D

Acq: 06 Jun 2025 15:29

Instrument :

BNA_F

ClientSampleId :

RBR251425

Tgt Ion: 77 Resp: 31272

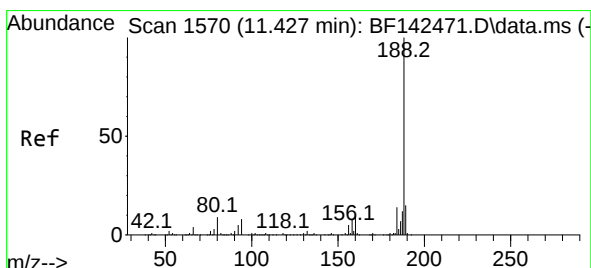
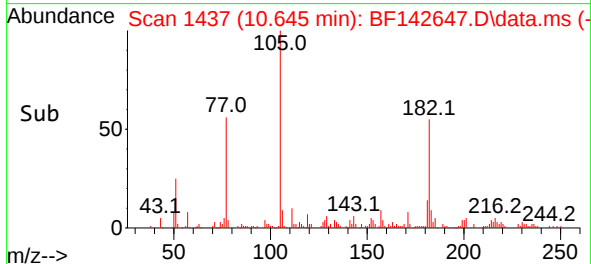
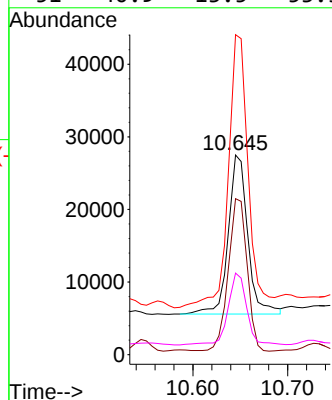
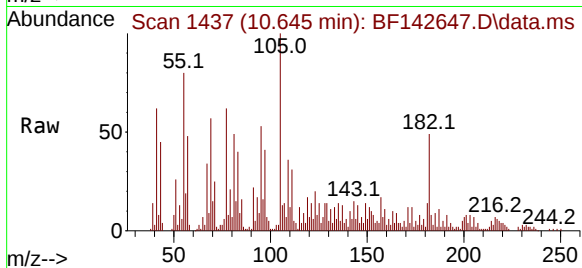
Ion Ratio Lower Upper

77 100

182 78.1 9.0 49.0#

105 160.2 2.4 42.4#

51 40.9 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF142647.D

Acq: 06 Jun 2025 15:29

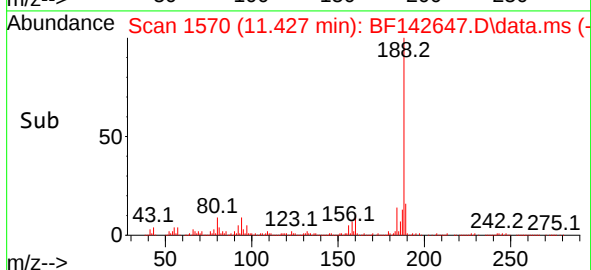
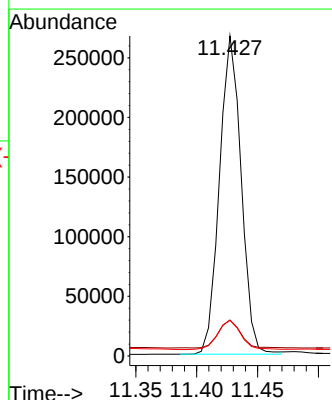
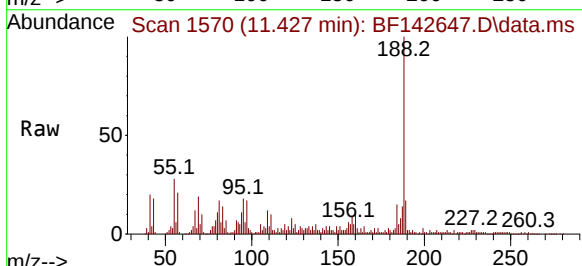
Tgt Ion:188 Resp: 331187

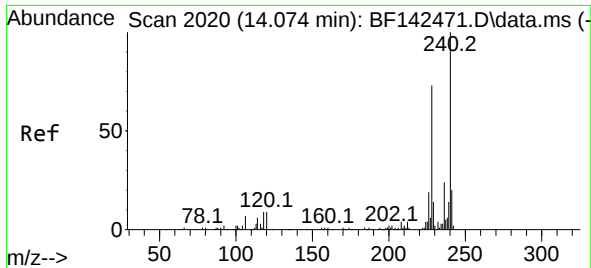
Ion Ratio Lower Upper

188 100

94 11.2 6.6 10.0#

80 11.2 7.4 11.0#

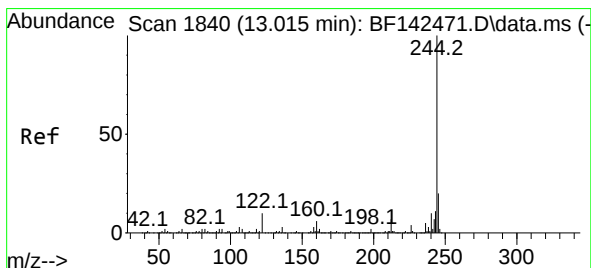
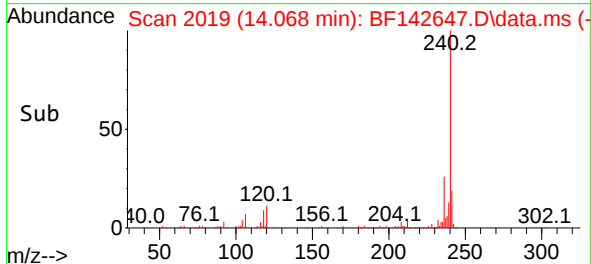
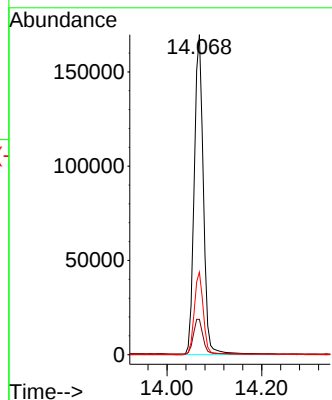
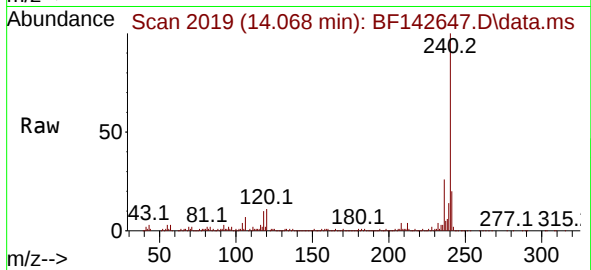




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142647.D
Acq: 06 Jun 2025 15:29

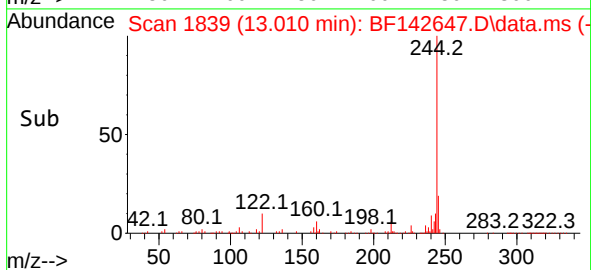
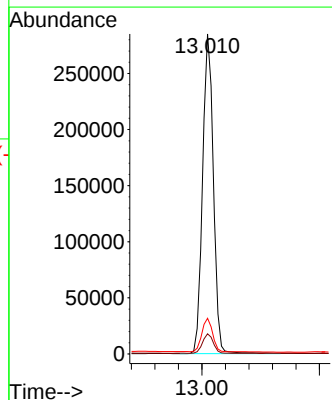
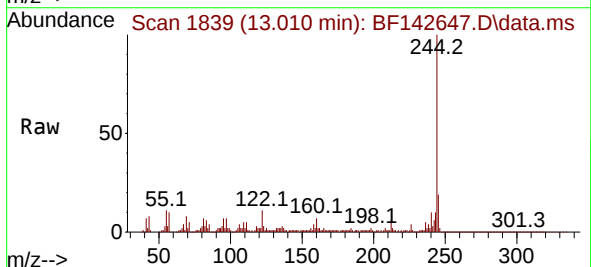
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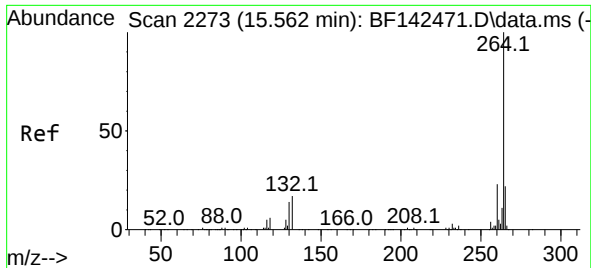
Tgt Ion:240 Resp: 228935
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 25.8 19.6 29.4



#79
Terphenyl-d14
Concen: 21.626 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142647.D
Acq: 06 Jun 2025 15:29

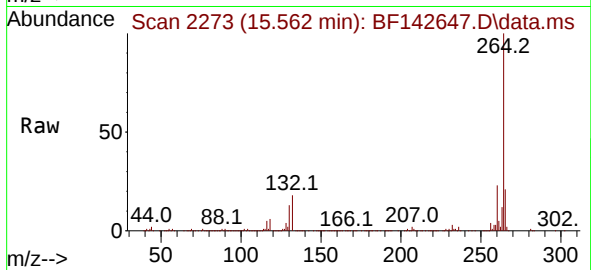
Tgt Ion:244 Resp: 362297
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 11.2 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142647.D
 Acq: 06 Jun 2025 15:29

Instrument :
 BNA_F
 ClientSampleId :
 RBR251425



Tgt Ion:264 Resp: 276481
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 28.0
 265 21.0 17.7 26.5

