

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142604.D
 Acq On : 04 Jun 2025 13:39
 Operator : RC/JU
 Sample : Q2159-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 04 14:01:56 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)

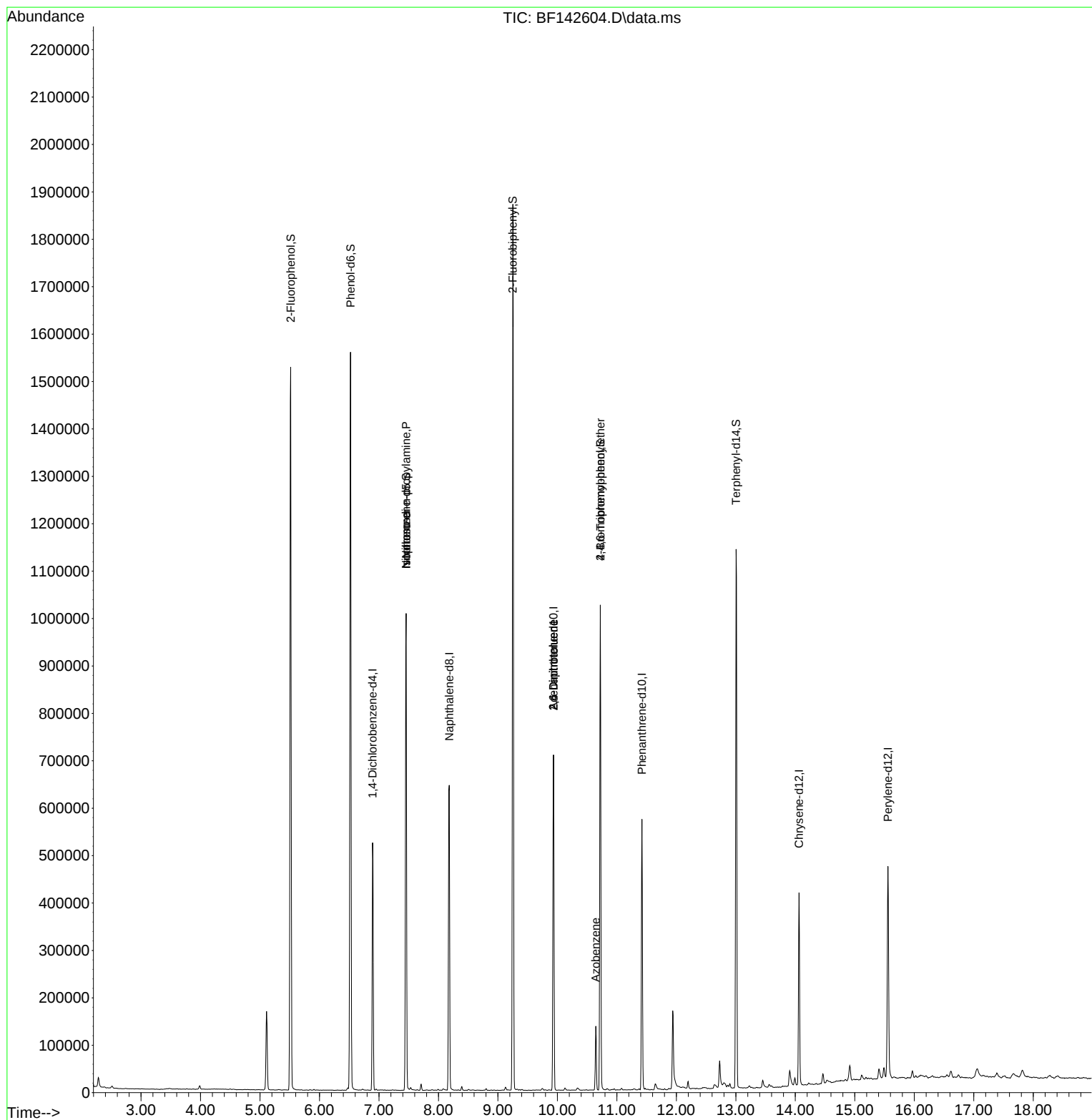
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	115394	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	430360	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	209919	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	294940	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	199346	20.000	ng	-0.01
86) Perylene-d12	15.557	264	266369	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	601116	87.763	ng	0.00
7) Phenol-d6	6.522	99	742197	90.019	ng	-0.01
23) Nitrobenzene-d5	7.457	82	435258	55.149	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	177041	75.989	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	828321	52.949	ng	-0.02
79) Terphenyl-d14	13.004	244	566411	38.828	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	57359	11.225	ng	# 75
25) Isophorone	7.457	82	402041	30.468	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	26152	8.748	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	26152	6.698	ng	# 28
63) Azobenzene	10.645	77	31508	2.593	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	11143	3.195	ng	# 1

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

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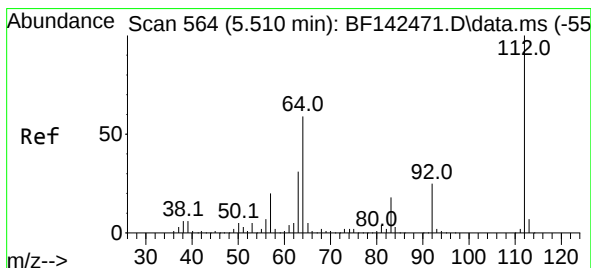
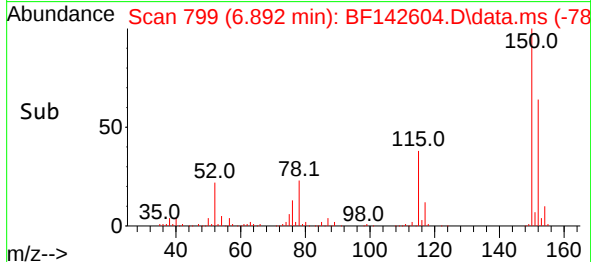
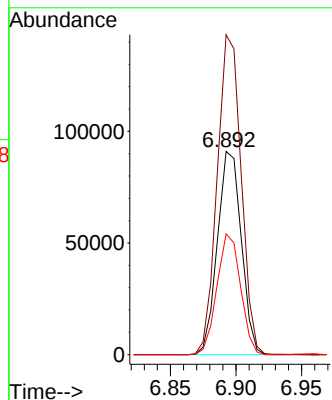
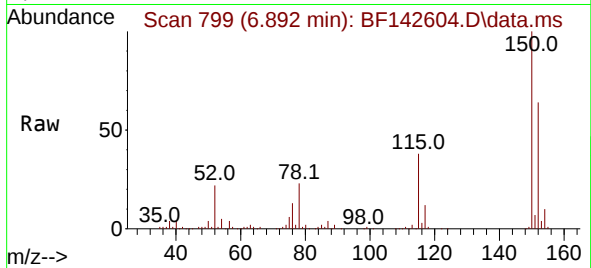




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

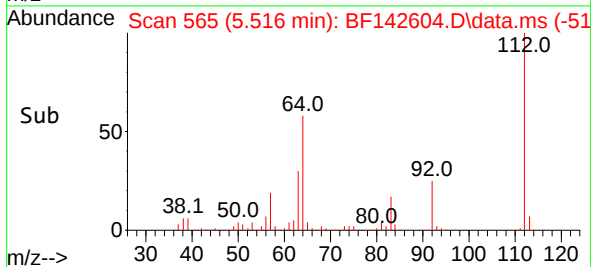
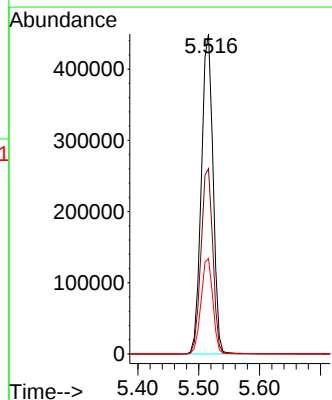
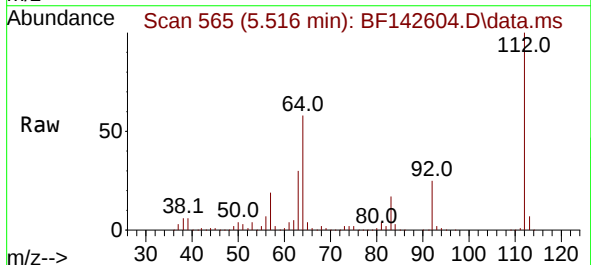
Instrument :
BNA_F
ClientSampleId :

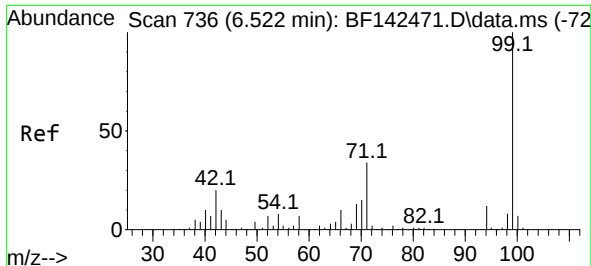
Tgt Ion:152 Resp: 115394
Ion Ratio Lower Upper
152 100
150 157.4 128.2 192.4
115 59.4 48.3 72.5



#5
2-Fluorophenol
Concen: 87.763 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

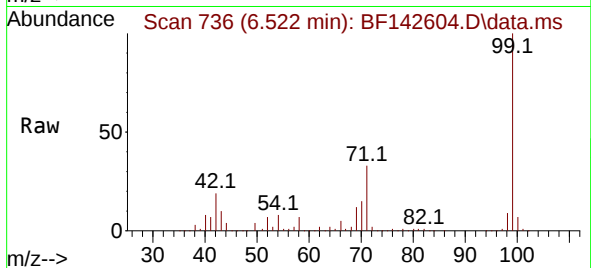
Tgt Ion:112 Resp: 601116
Ion Ratio Lower Upper
112 100
64 57.9 47.5 71.3
63 29.8 24.9 37.3



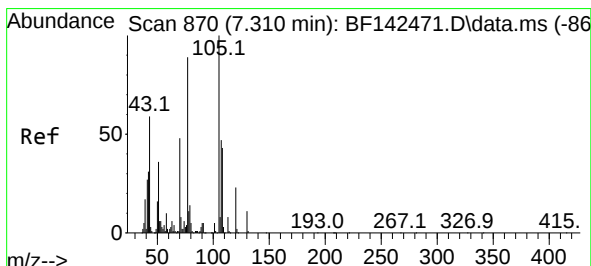
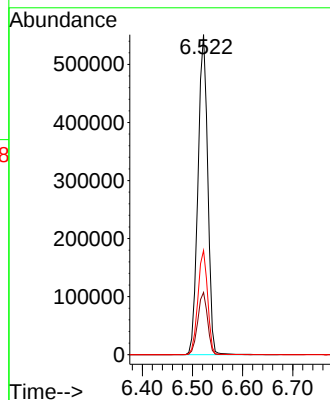
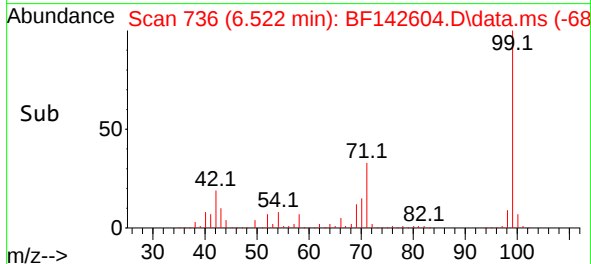


#7
Phenol-d6
Concen: 90.019 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

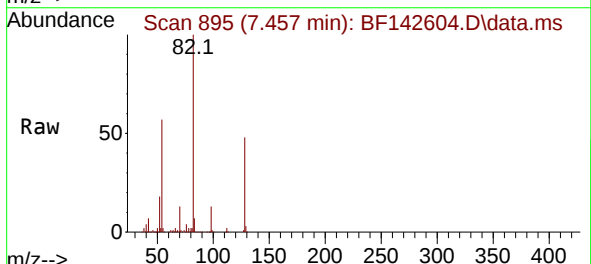
Instrument :
BNA_F
ClientSampleId :



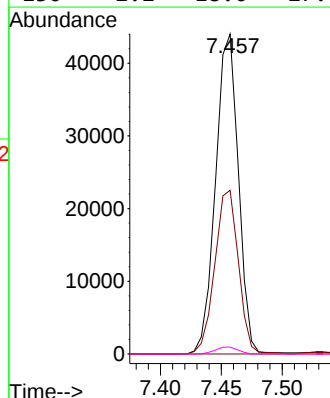
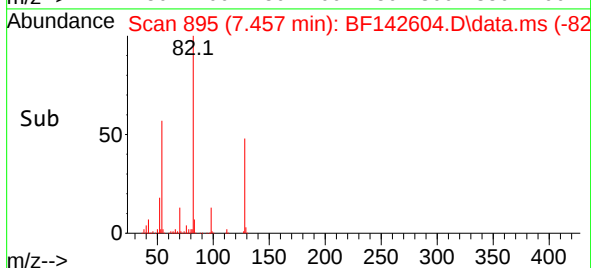
Tgt Ion: 99 Resp: 742197
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 32.5 27.3 40.9

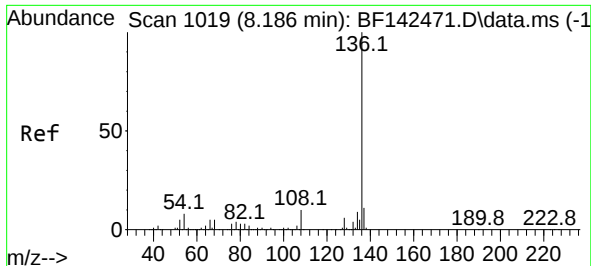


#19
n-Nitroso-di-n-propylamine
Concen: 11.225 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39



Tgt Ion: 70 Resp: 57359
Ion Ratio Lower Upper
70 100
42 51.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

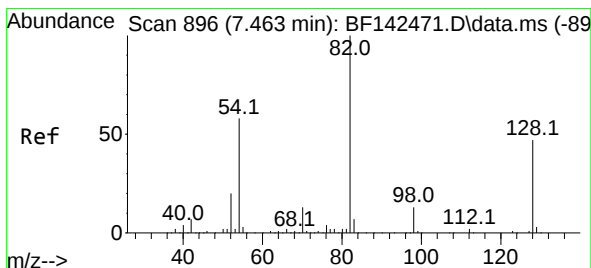
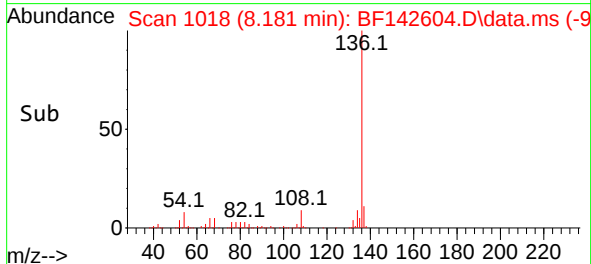
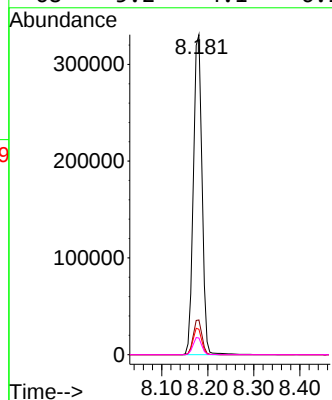
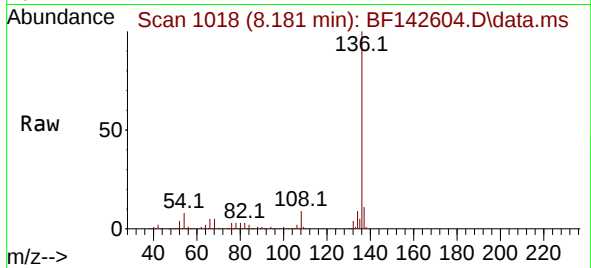




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

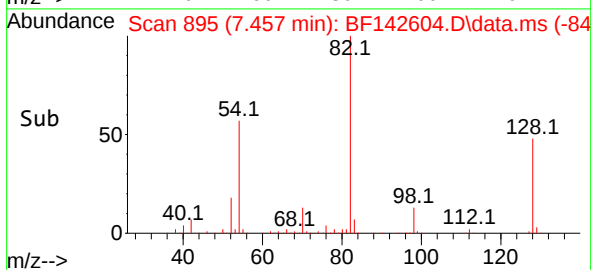
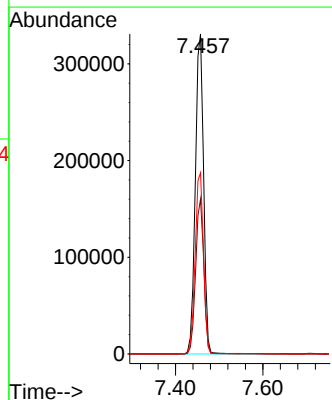
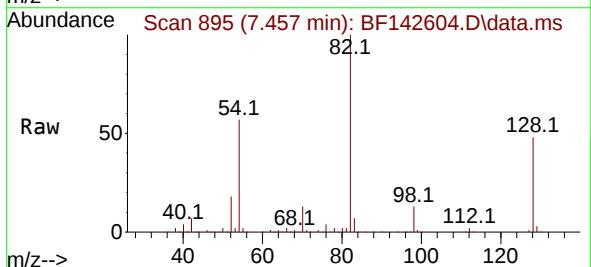
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 430360
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.0 6.6 10.0
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 55.149 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

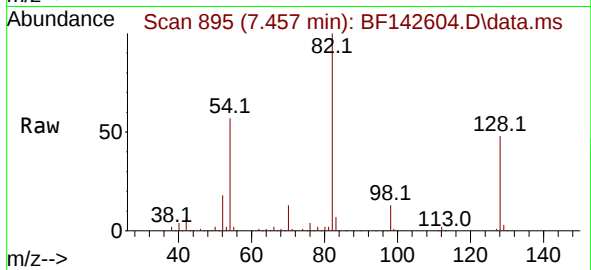
Tgt Ion: 82 Resp: 435258
Ion Ratio Lower Upper
82 100
128 48.4 37.4 56.2
54 56.6 46.6 70.0



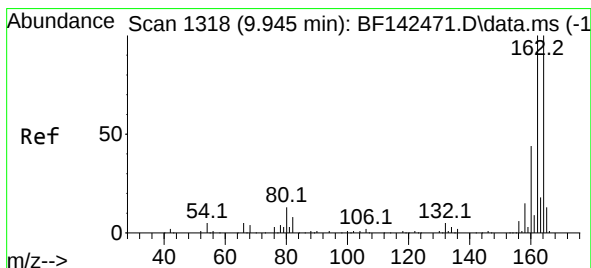
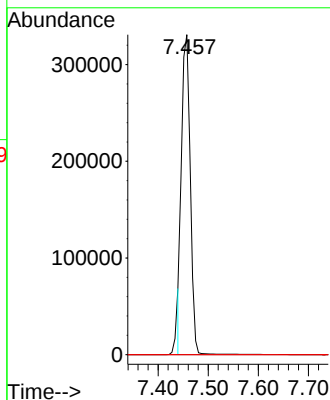
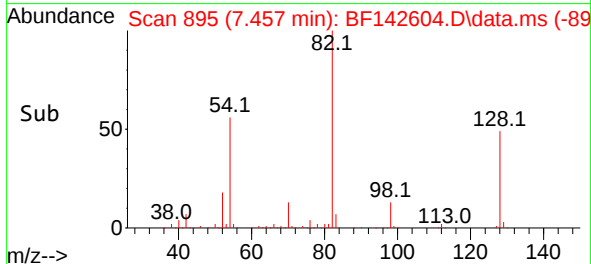


#25
Isophorone
Concen: 30.468 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

Instrument :
BNA_F
ClientSampleId :

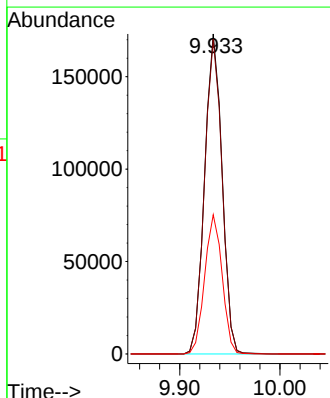
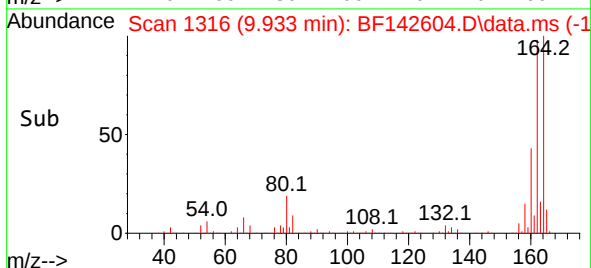
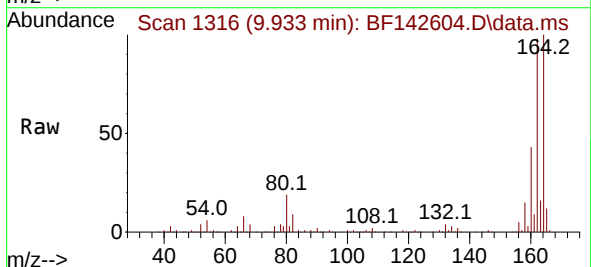


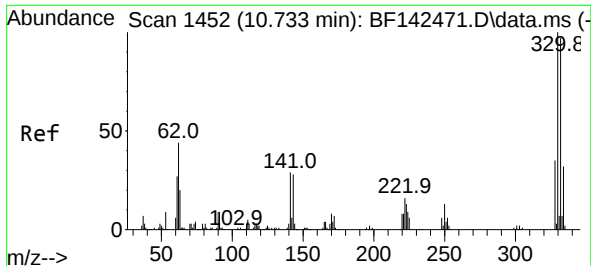
Tgt Ion: 82 Resp: 402041
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

Tgt Ion:164 Resp: 209919
Ion Ratio Lower Upper
164 100
162 98.4 80.2 120.4
160 43.5 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 75.989 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142604.D

Acq: 04 Jun 2025 13:39

Instrument :

BNA_F

ClientSampleId :

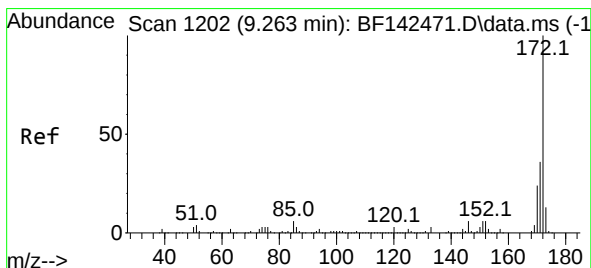
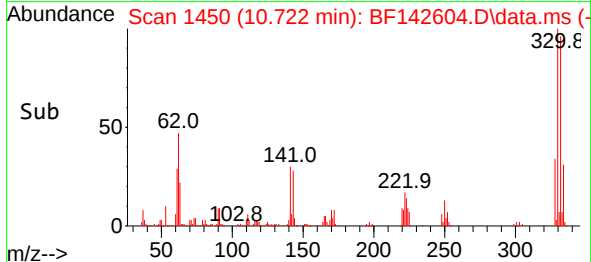
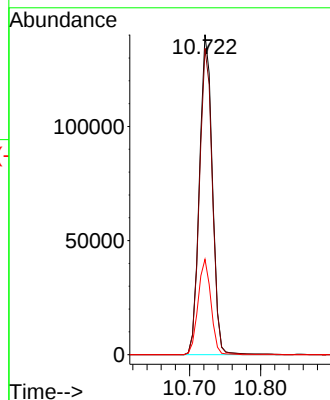
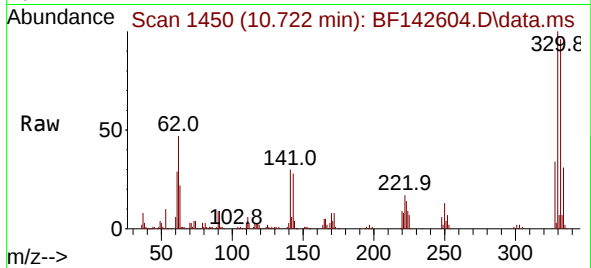
Tgt Ion:330 Resp: 177041

Ion Ratio Lower Upper

330 100

332 95.8 77.6 116.4

141 29.7 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 52.949 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142604.D

Acq: 04 Jun 2025 13:39

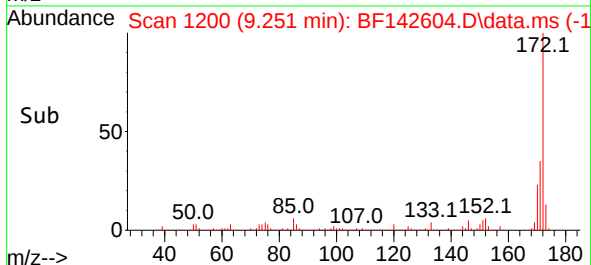
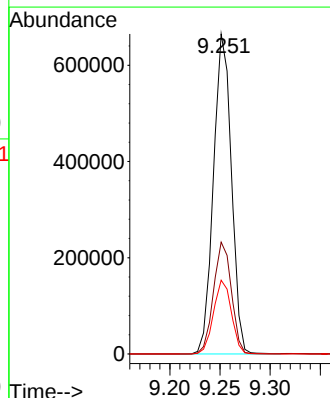
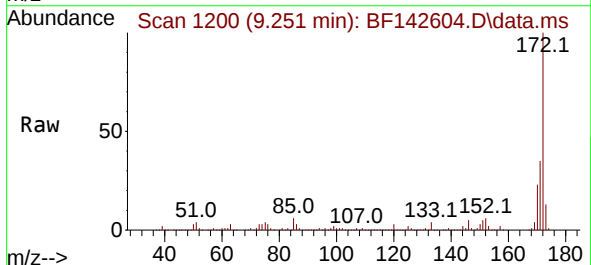
Tgt Ion:172 Resp: 828321

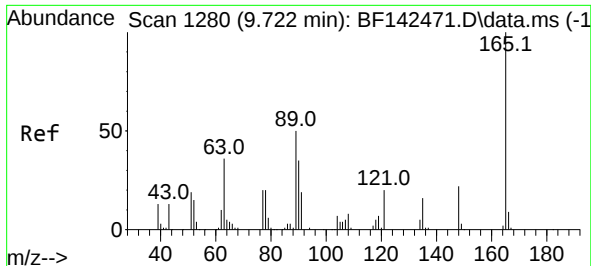
Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.748 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142604.D

Acq: 04 Jun 2025 13:39

Instrument :

BNA_F

ClientSampleId :

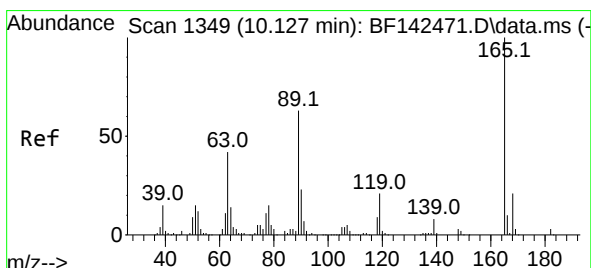
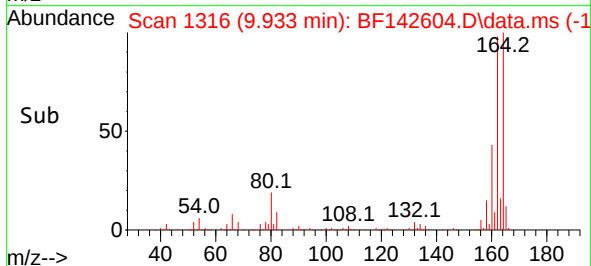
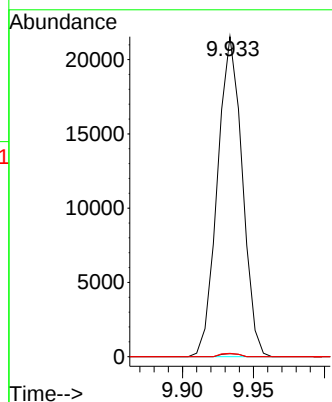
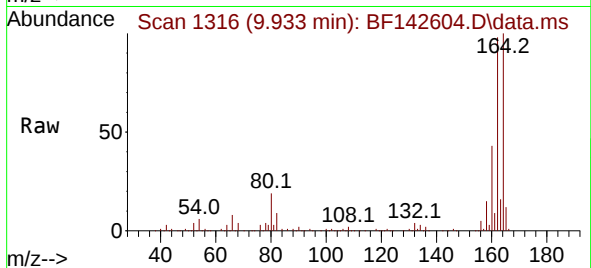
Tgt Ion:165 Resp: 26152

Ion Ratio Lower Upper

165 100

63 0.9 42.9 64.3#

89 1.0 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.698 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142604.D

Acq: 04 Jun 2025 13:39

Tgt Ion:165 Resp: 26152

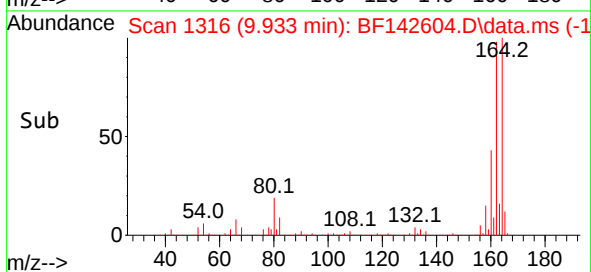
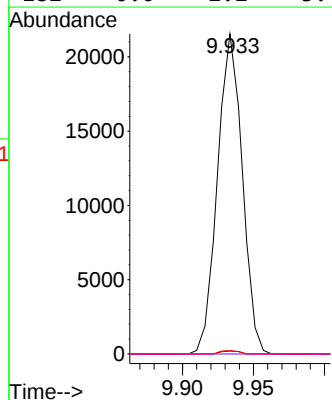
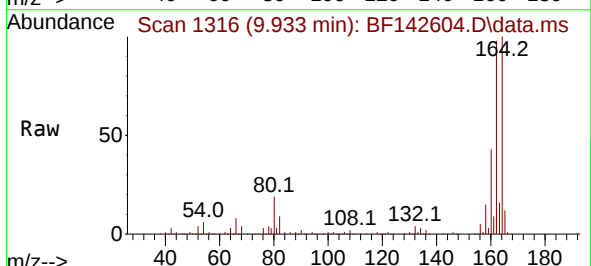
Ion Ratio Lower Upper

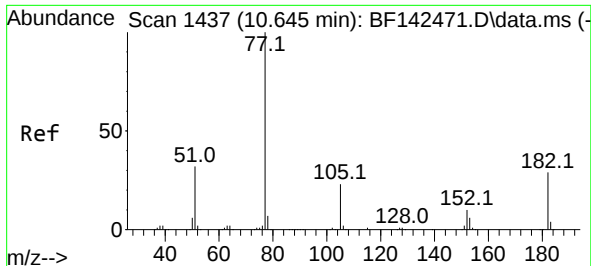
165 100

63 0.9 33.6 50.4#

89 1.0 50.2 75.4#

182 0.0 2.2 3.4#

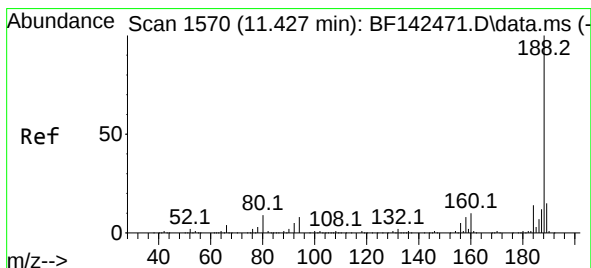
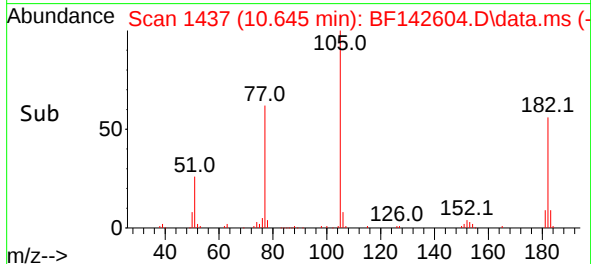
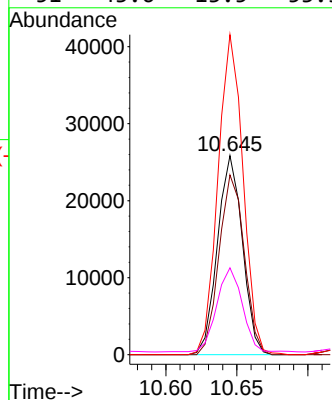
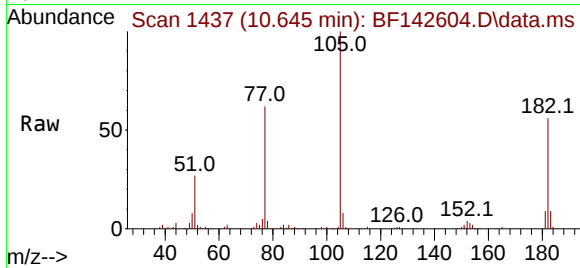




#63
Azobenzene
Concen: 2.593 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

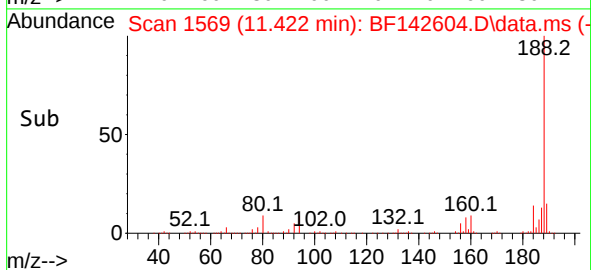
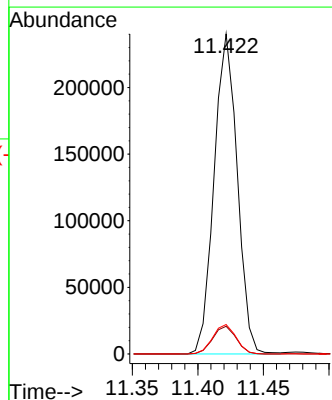
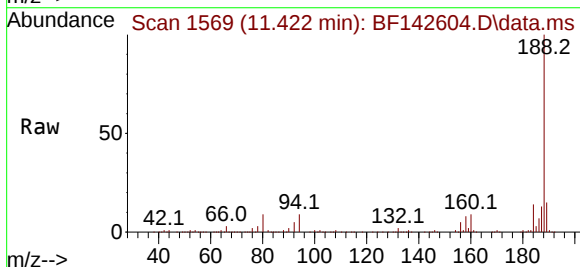
Instrument :
BNA_F
ClientSampleId :

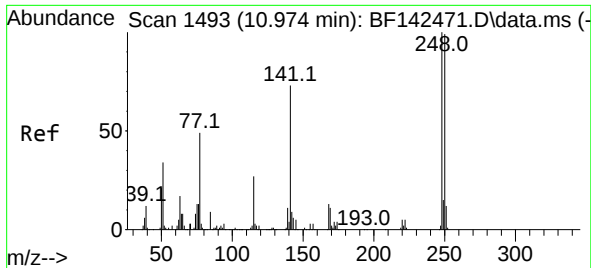
Tgt Ion: 77 Resp: 31508
Ion Ratio Lower Upper
77 100
182 90.3 9.0 49.0#
105 160.7 2.4 42.4#
51 43.6 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

Tgt Ion:188 Resp: 294940
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.2 7.4 11.0

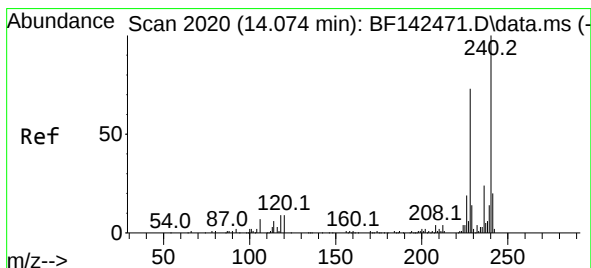
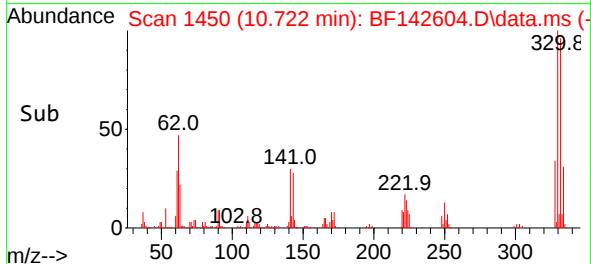
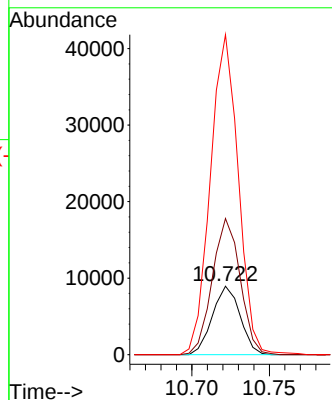
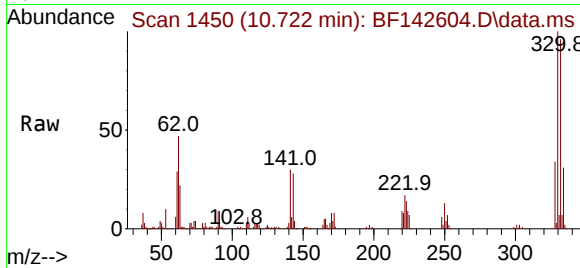




#67
4-Bromophenyl-phenylether
Concen: 3.195 ng
RT: 10.722 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

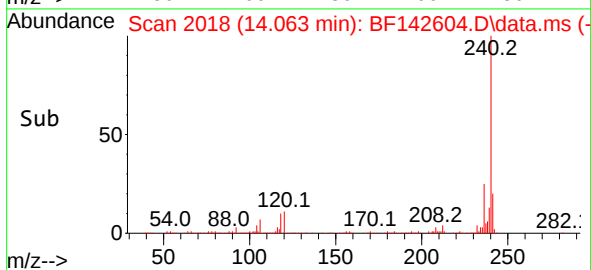
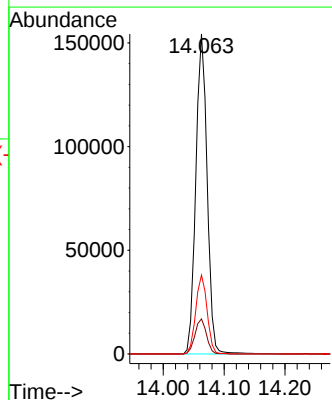
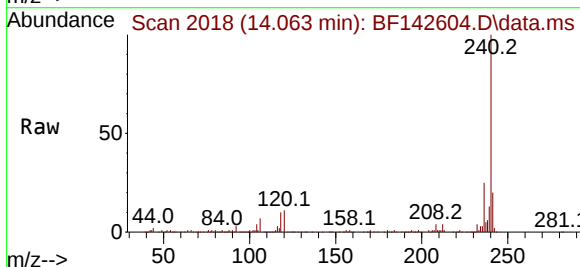
Instrument :
BNA_F
ClientSampleId :

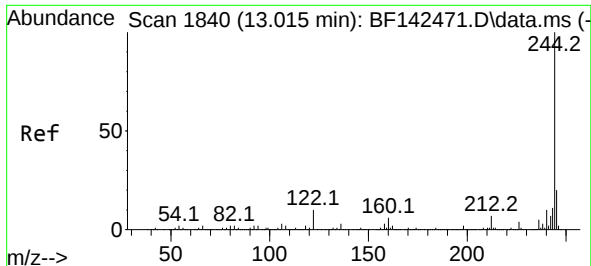
Tgt Ion:248 Resp: 11143
Ion Ratio Lower Upper
248 100
250 198.6 79.0 118.4#
141 466.9 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

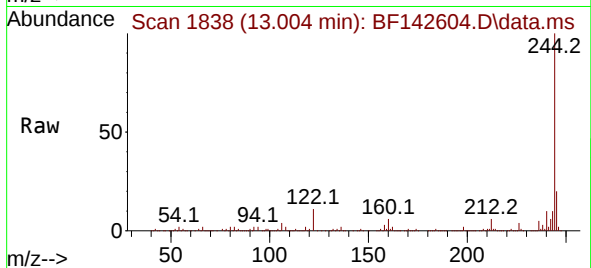
Tgt Ion:240 Resp: 199346
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 24.6 19.6 29.4



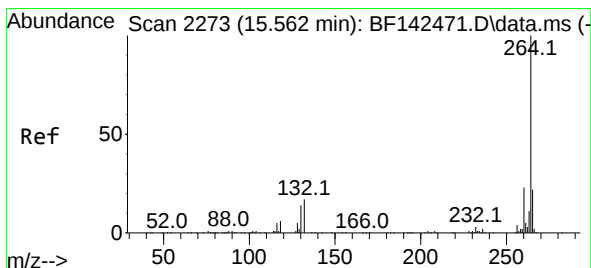
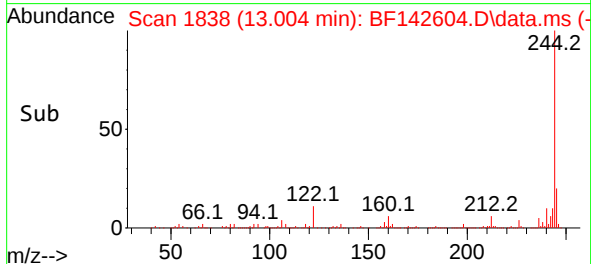
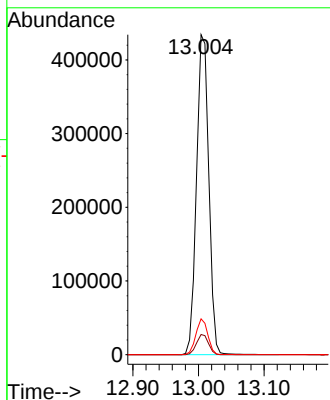


#79
Terphenyl-d14
Concen: 38.828 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:244 Resp: 566411
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: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142604.D
Acq: 04 Jun 2025 13:39

Tgt Ion:264 Resp: 266369
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.4 17.7 26.5

