

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142823.D
 Acq On : 24 Jun 2025 17:01
 Operator : RC/JU
 Sample : Q2393-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -6

Quant Time: Jun 24 17:23:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

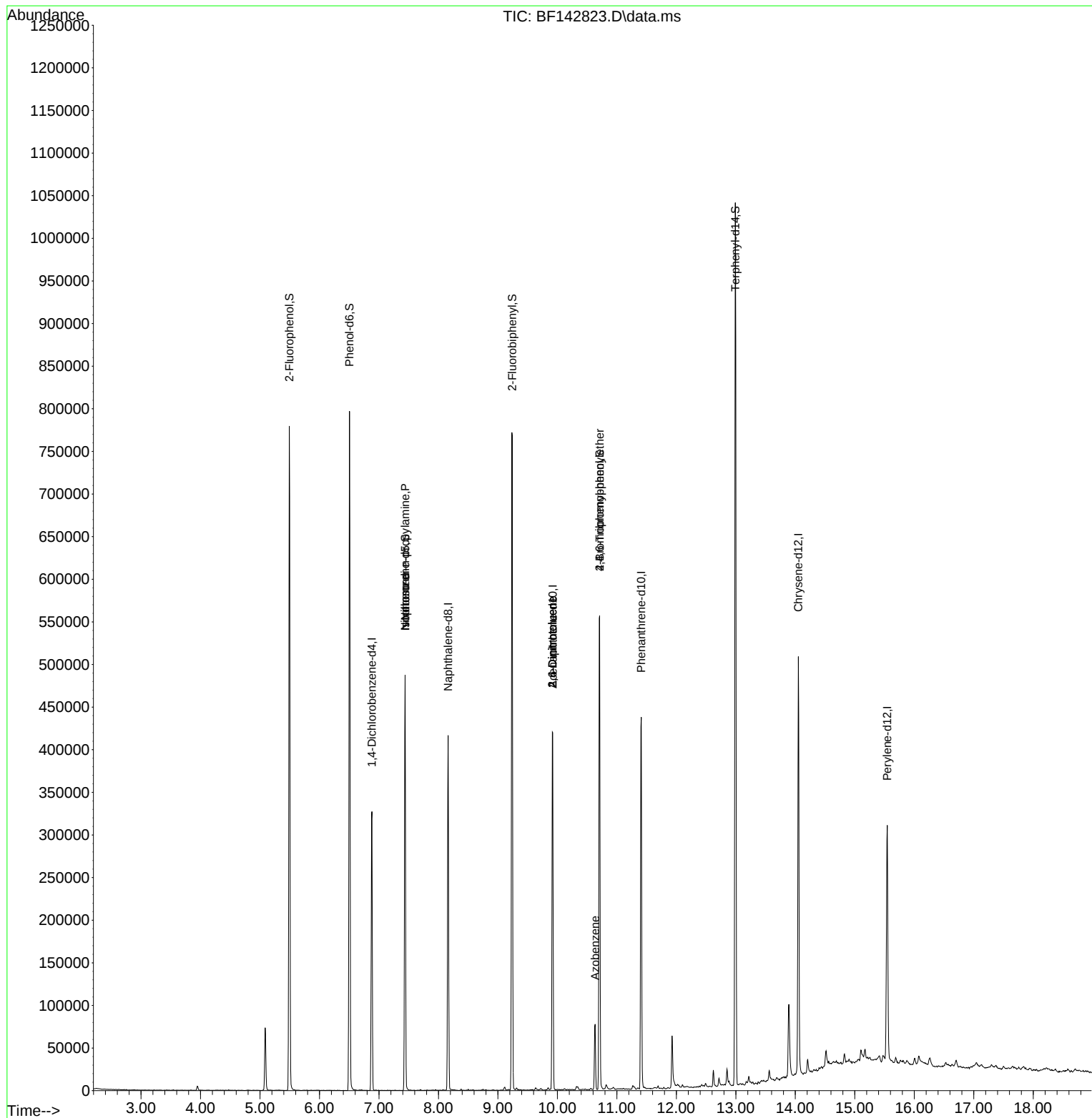
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	73650	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	263416	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	131114	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	233515	20.000	ng	0.00
76) Chrysene-d12	14.051	240	228217	20.000	ng	0.00
86) Perylene-d12	15.545	264	158913	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	296694	67.070	ng	0.00
7) Phenol-d6	6.504	99	353931	67.816	ng	0.00
23) Nitrobenzene-d5	7.439	82	199985	41.643	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95854	71.042	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	354082	35.477	ng	0.00
79) Terphenyl-d14	12.992	244	495859	30.021	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	26414	8.702	ng	# 76
25) Isophorone	7.439	82	199909	25.949	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	16609	8.911	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	16609	6.709	ng	# 26
63) Azobenzene	10.633	77	18728	2.518	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6429	2.419	ng	# 1

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

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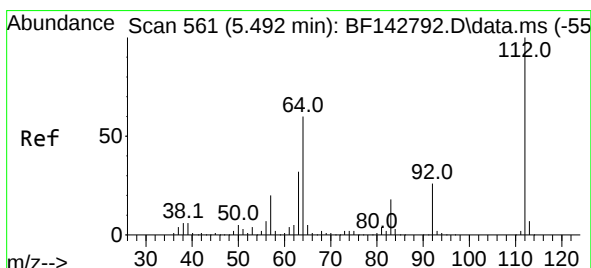
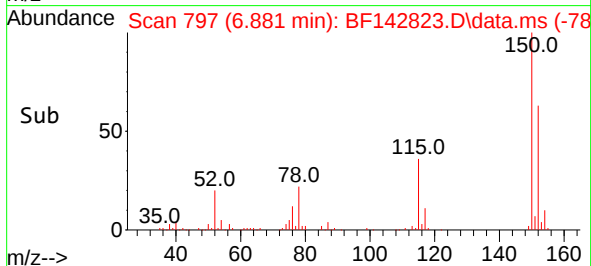
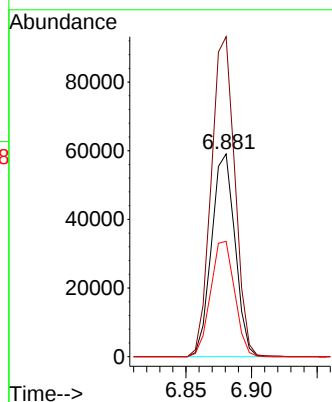
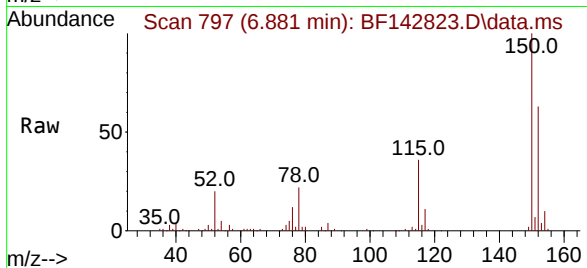




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142823.D
 Acq: 24 Jun 2025 17:01

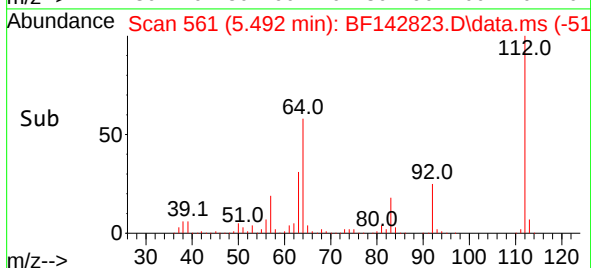
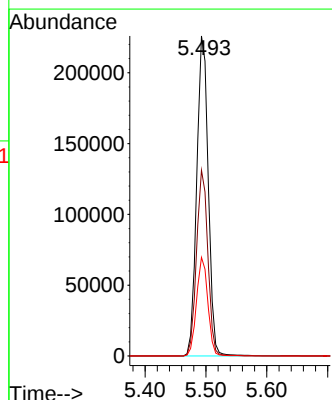
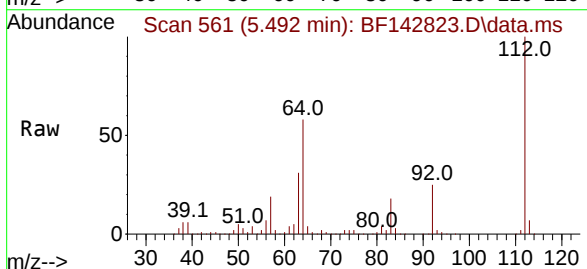
Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -6

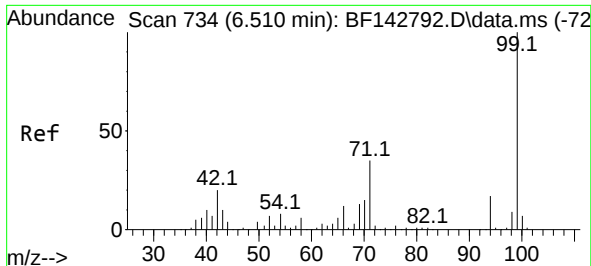
Tgt Ion:152 Resp: 73650
 Ion Ratio Lower Upper
 152 100
 150 157.9 127.2 190.8
 115 56.9 46.6 69.8



#5
 2-Fluorophenol
 Concen: 67.070 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF142823.D
 Acq: 24 Jun 2025 17:01

Tgt Ion:112 Resp: 296694
 Ion Ratio Lower Upper
 112 100
 64 58.0 48.2 72.2
 63 30.8 25.7 38.5

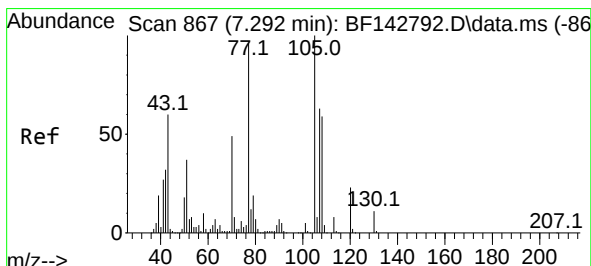
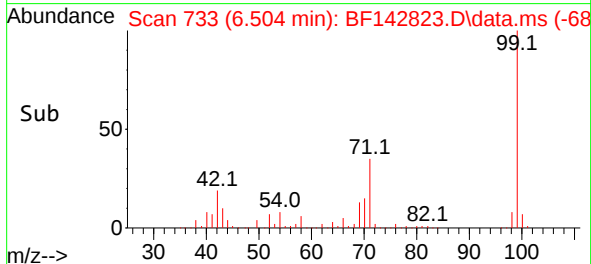
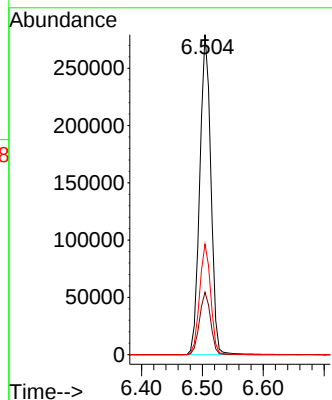
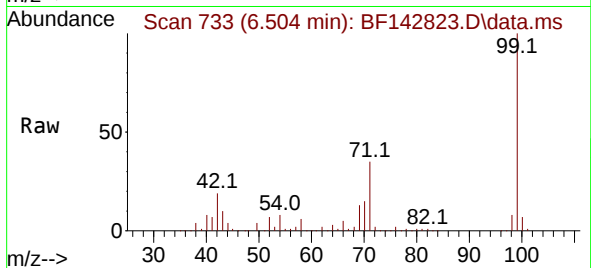




#7
Phenol-d6
Concen: 67.816 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

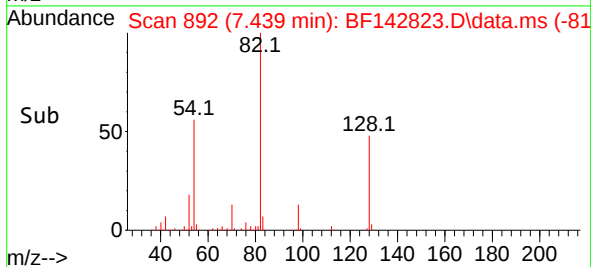
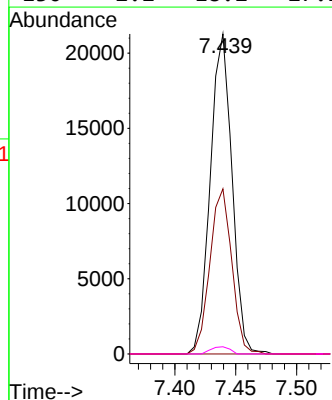
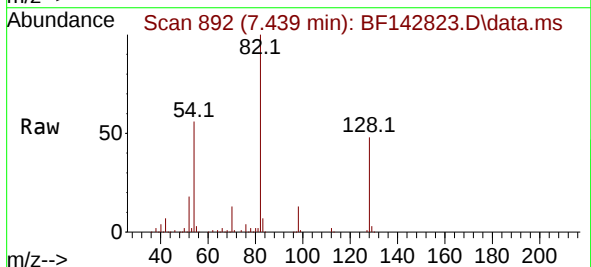
Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

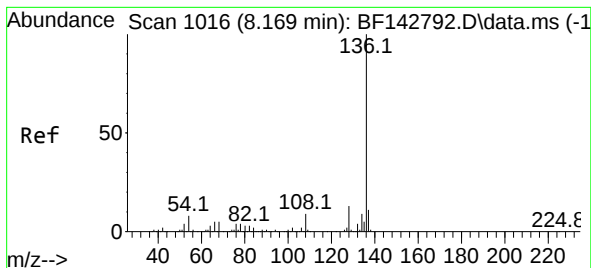
Tgt Ion: 99 Resp: 353931
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.702 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion: 70 Resp: 26414
Ion Ratio Lower Upper
70 100
42 51.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

Instrument :

BNA_F

ClientSampleId :

PARK AVE -6

Tgt Ion:136 Resp: 263416

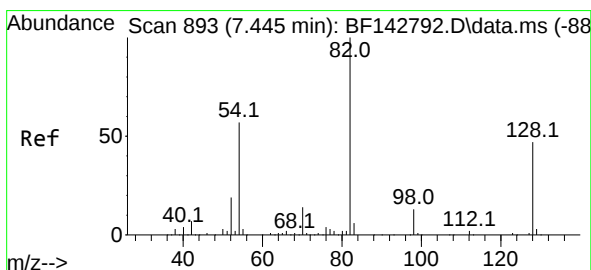
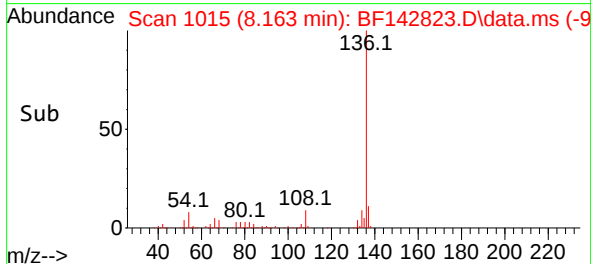
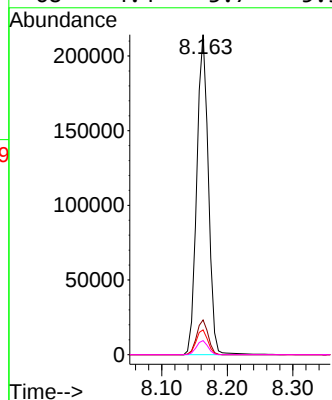
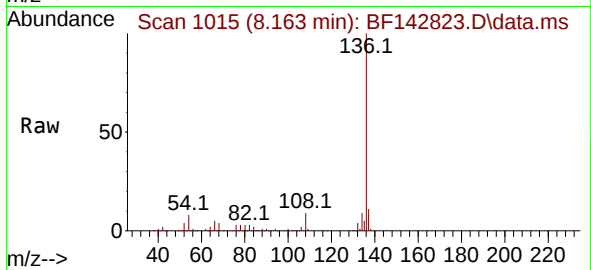
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.8 6.3 9.5

68 4.4 3.7 5.5



#23

Nitrobenzene-d5

Concen: 41.643 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

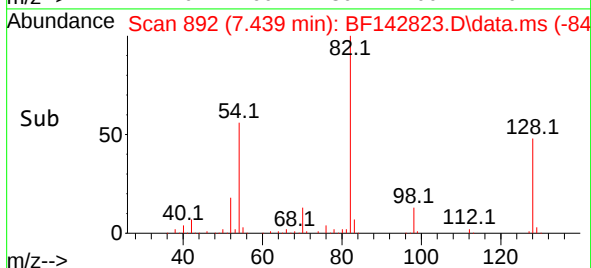
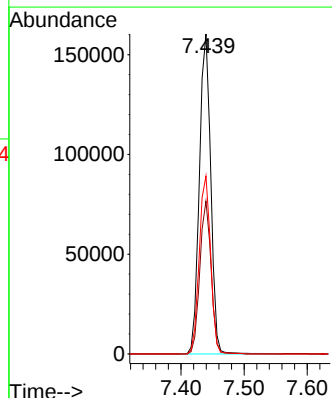
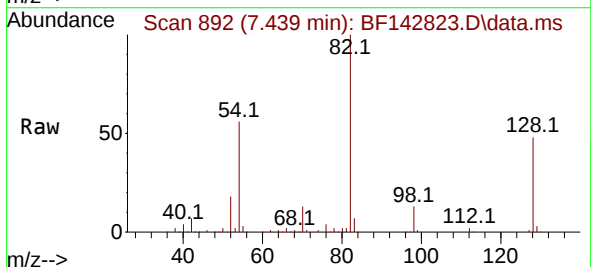
Tgt Ion: 82 Resp: 199985

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 55.6 45.7 68.5

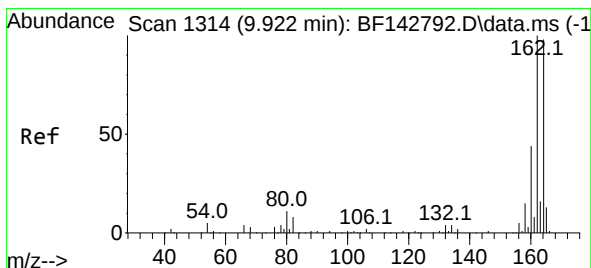
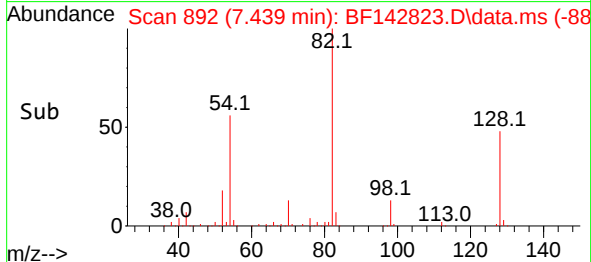
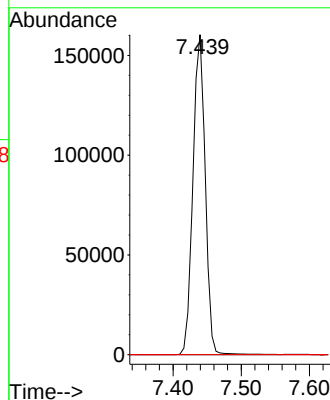
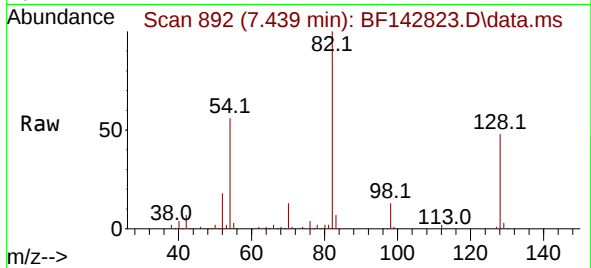




#25
Isophorone
Concen: 25.949 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

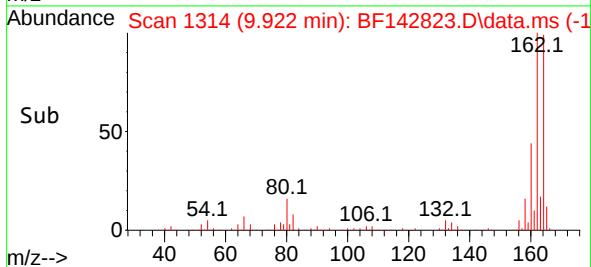
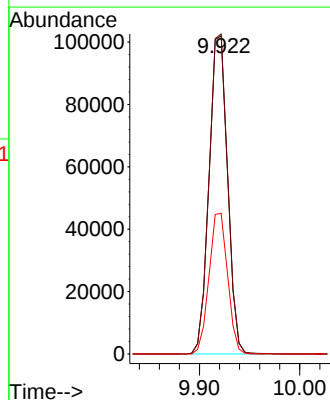
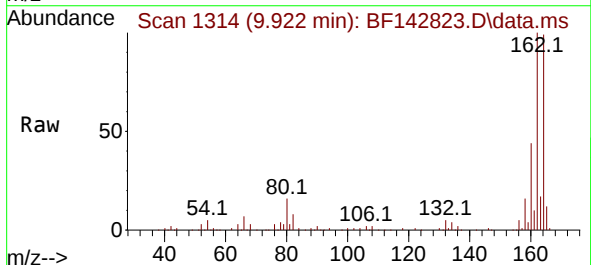
Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion: 82 Resp: 199909
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:164 Resp: 131114
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 71.042 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

Instrument :

BNA_F

ClientSampleId :

PARK AVE -6

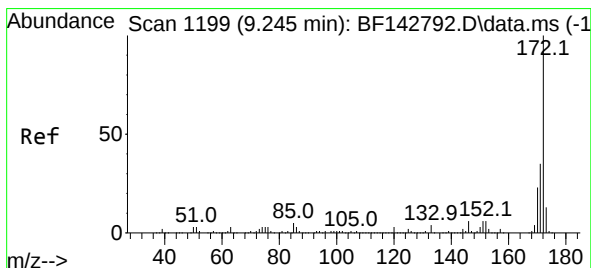
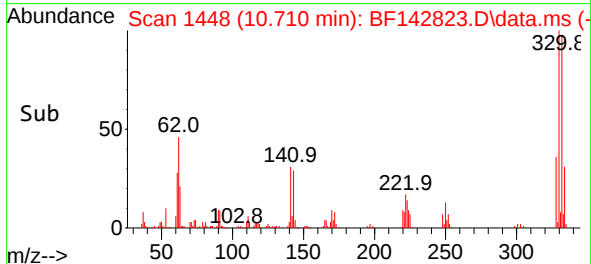
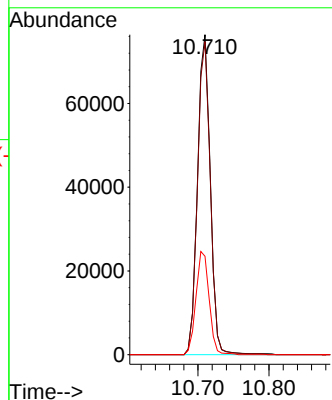
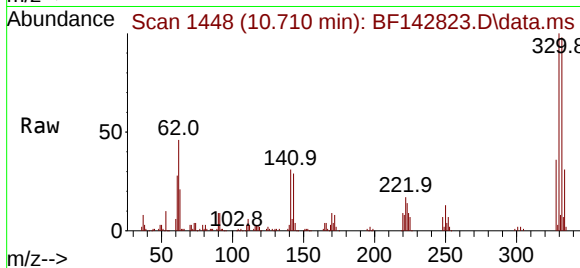
Tgt Ion:330 Resp: 95854

Ion Ratio Lower Upper

330 100

332 98.0 75.0 112.6

141 33.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 35.477 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

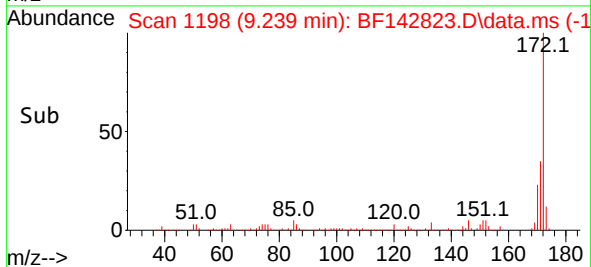
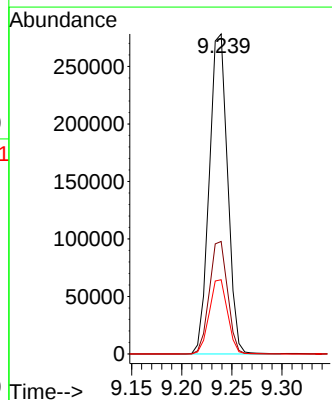
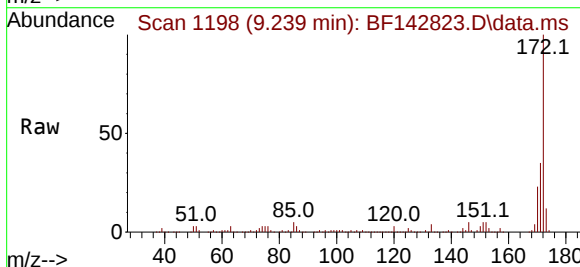
Tgt Ion:172 Resp: 354082

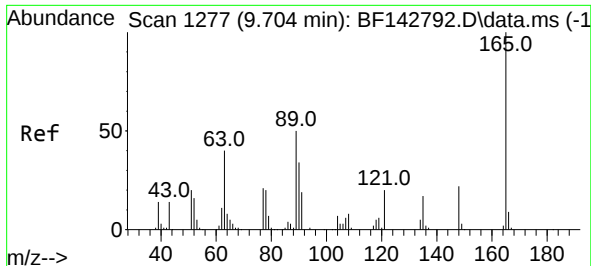
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.2 18.5 27.7

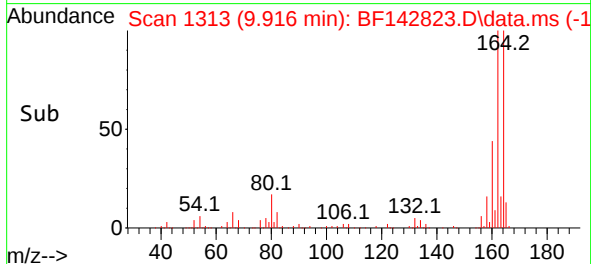
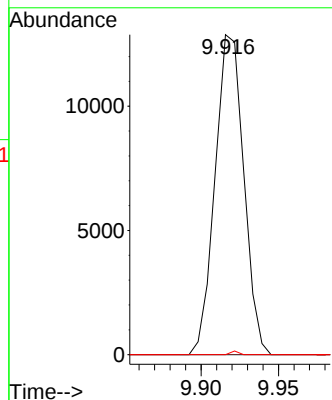
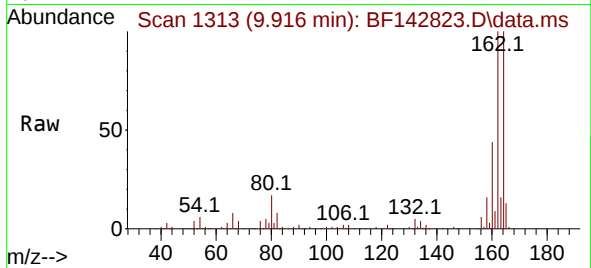




#51
2,6-Dinitrotoluene
Concen: 8.911 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

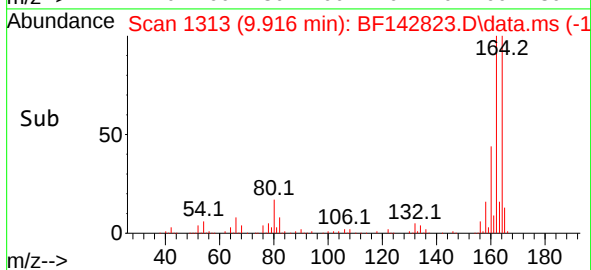
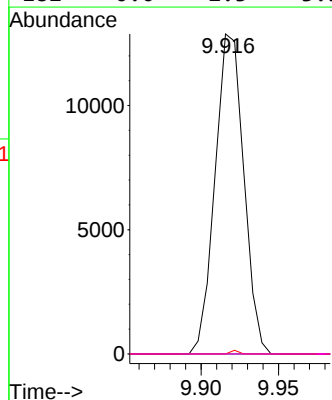
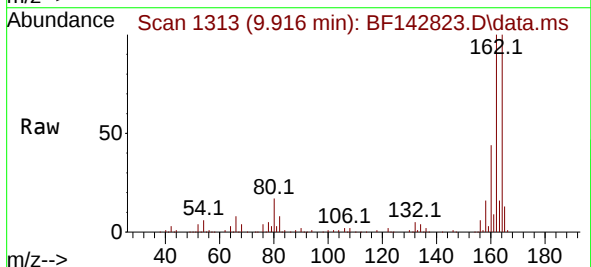
Instrument :
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ClientSampleId :
PARK AVE -6

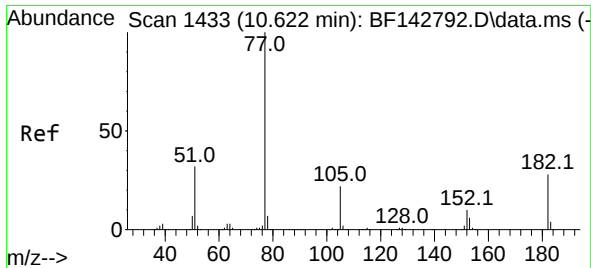
Tgt Ion:165 Resp: 16609
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.709 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:165 Resp: 16609
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

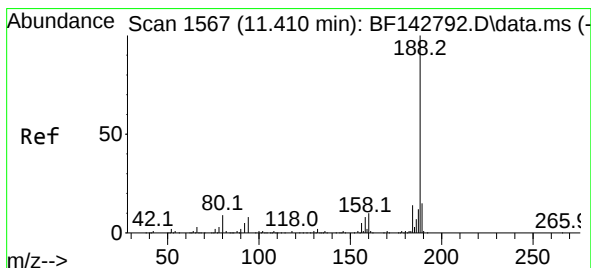
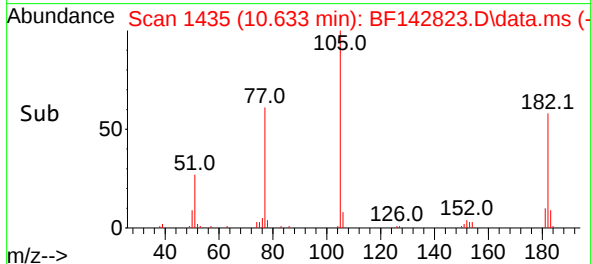
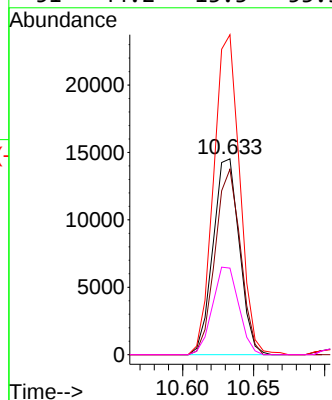
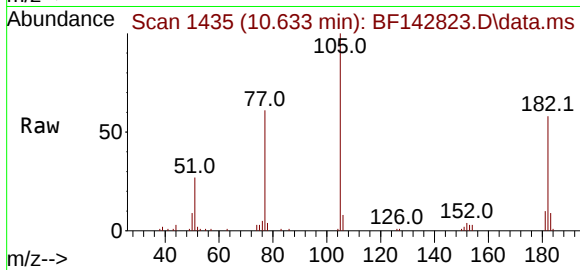




#63
Azobenzene
Concen: 2.518 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.012 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

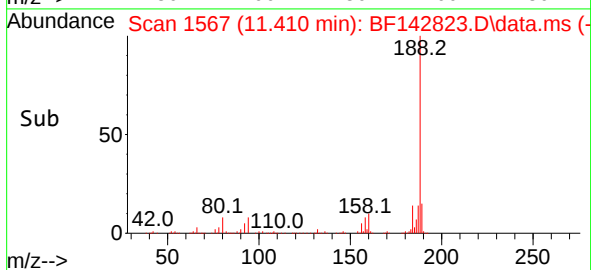
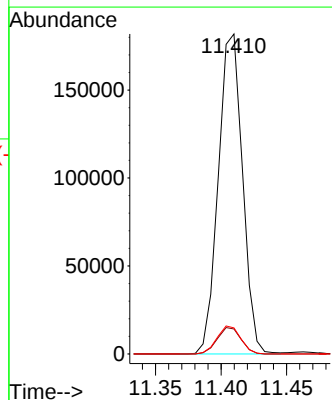
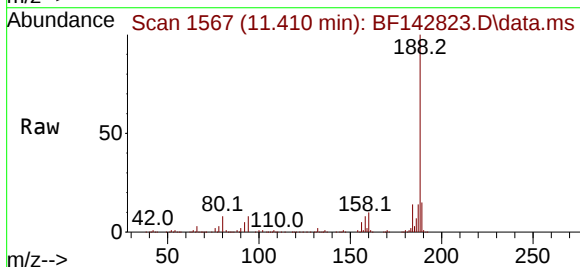
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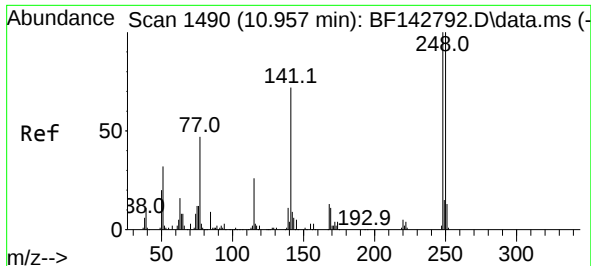
Tgt Ion: 77 Resp: 18728
Ion Ratio Lower Upper
77 100
182 94.7 7.7 47.7#
105 163.3 1.9 41.9#
51 44.2 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion: 188 Resp: 233515
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.1 6.9 10.3

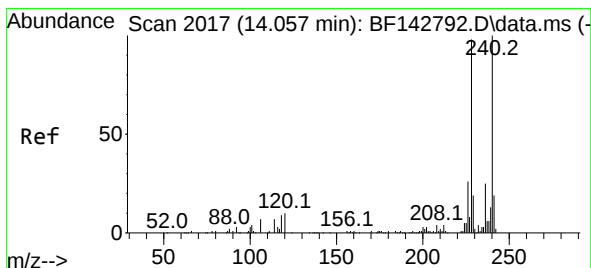
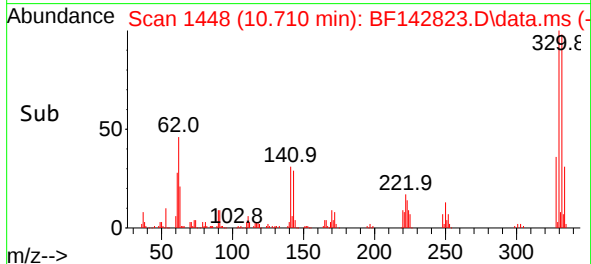
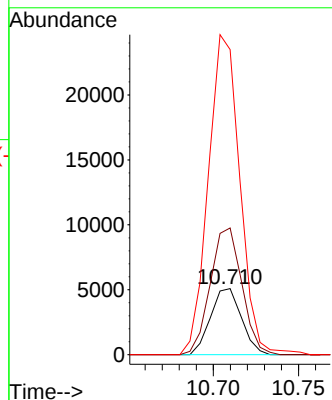
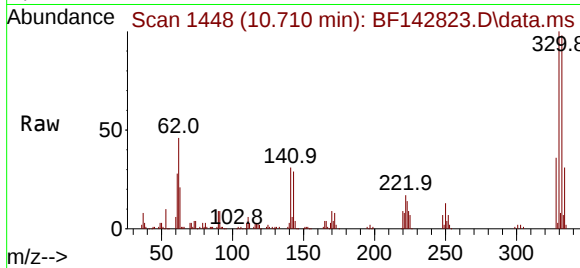




#67
4-Bromophenyl-phenylether
Concen: 2.419 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

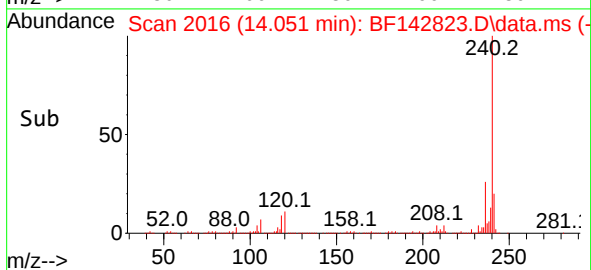
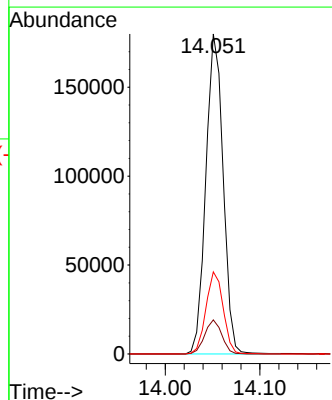
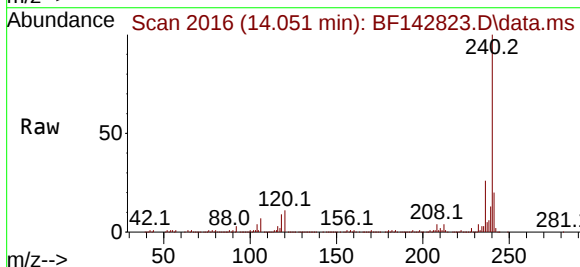
Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

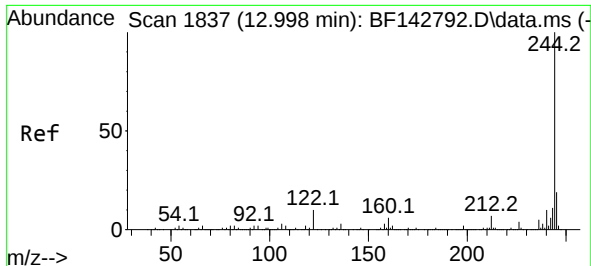
Tgt Ion:248 Resp: 6429
Ion Ratio Lower Upper
248 100
250 191.8 79.8 119.8#
141 461.5 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:240 Resp: 228217
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 25.6 19.8 29.8

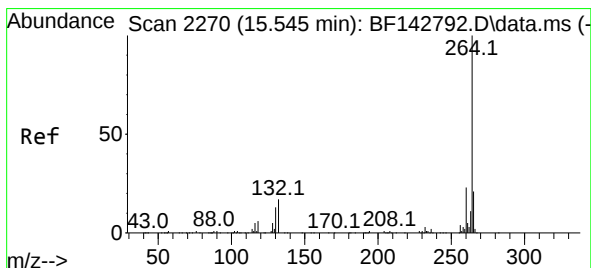
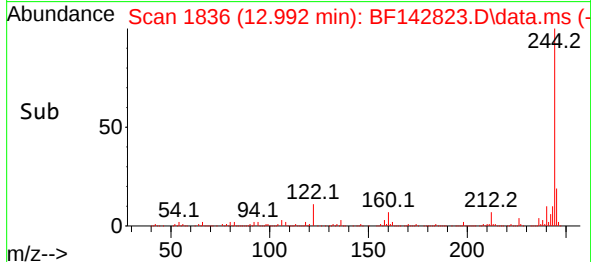
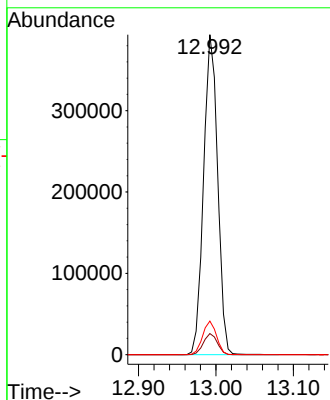
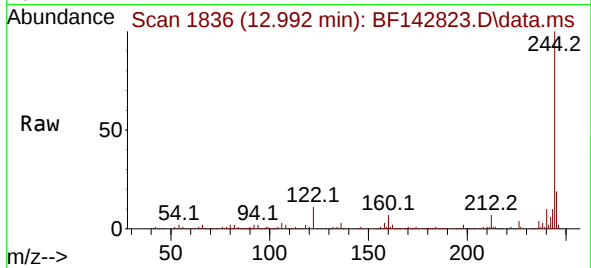




#79
 Terphenyl-d14
 Concen: 30.021 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142823.D
 Acq: 24 Jun 2025 17:01

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -6

Tgt Ion:244 Resp: 495859
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF142823.D
 Acq: 24 Jun 2025 17:01

Tgt Ion:264 Resp: 158913
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.1 27.1
 265 22.6 16.6 25.0

