

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112125\
 Data File : BF144313.D
 Acq On : 21 Nov 2025 17:49
 Operator : RC/JU
 Sample : Q3669-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-112025

Quant Time: Nov 21 22:03:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

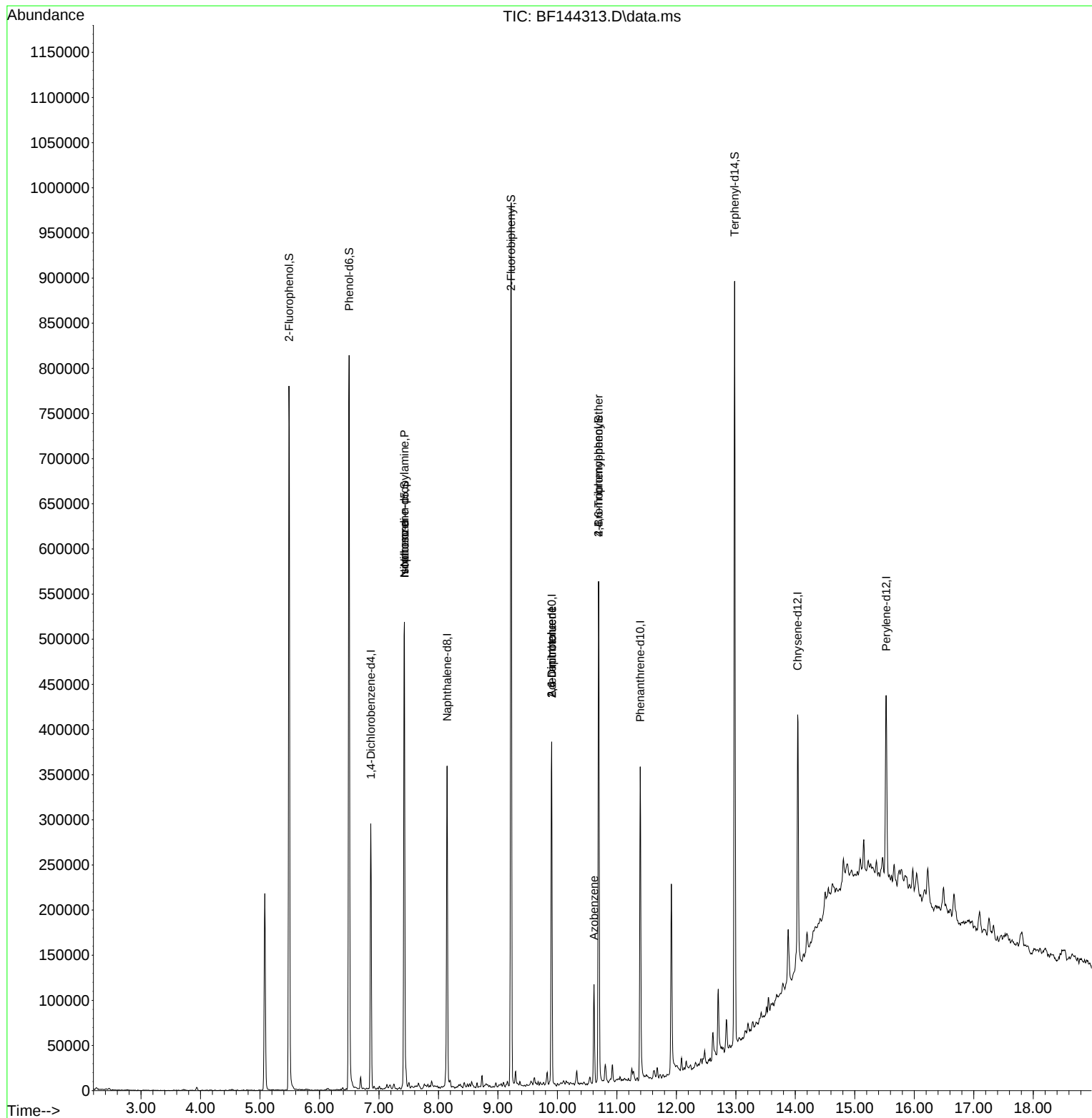
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	61625	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	223419	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	116461	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	186741	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	148812	20.000	ng	-0.01
86) Perylene-d12	15.527	264	114530	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	311381	79.070	ng	0.00
7) Phenol-d6	6.498	99	368075	82.489	ng	0.00
23) Nitrobenzene-d5	7.428	82	222763	57.585	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	114756	78.522	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	456372	57.876	ng	0.00
79) Terphenyl-d14	12.980	244	449339	47.962	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	33174	11.294	ng	# 76
25) Isophorone	7.428	82	222760	30.444	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	15035	9.627	ng	# 28
57) 2,4-Dinitrotoluene	9.904	165	15035	7.191	ng	# 28
63) Azobenzene	10.616	77	26619	4.021	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	6972	2.925	ng	# 1

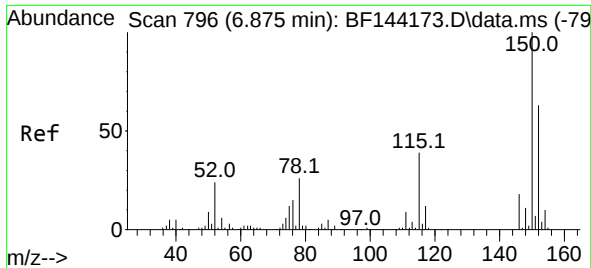
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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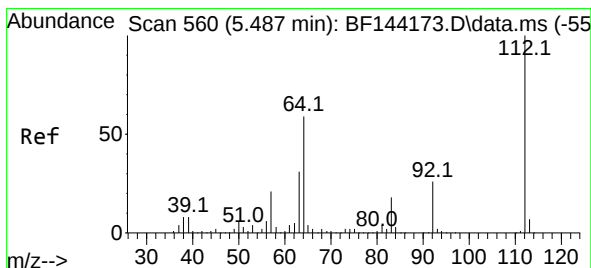
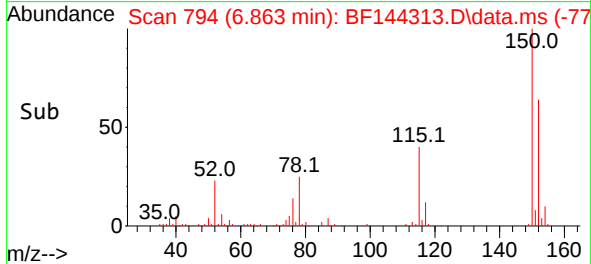
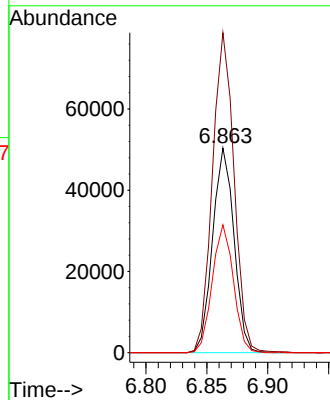
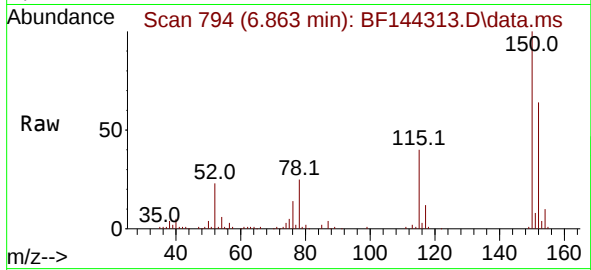




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

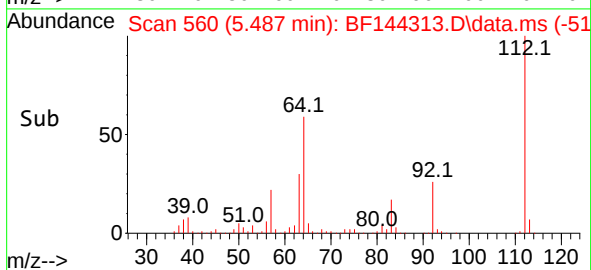
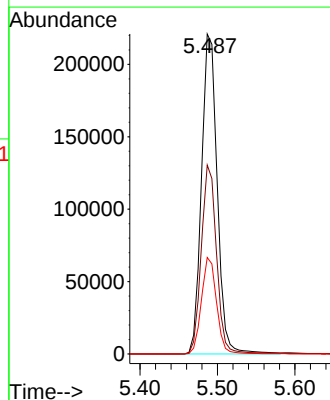
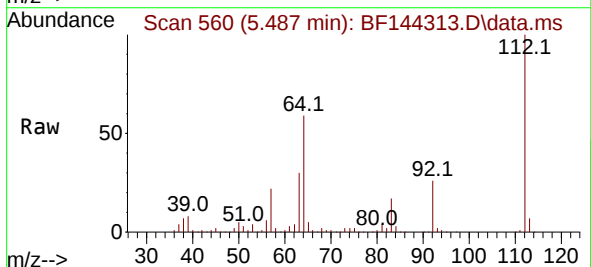
Instrument :
BNA_F
ClientSampleId :
TR-04-112025

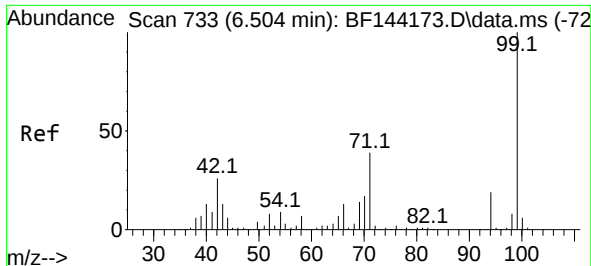
Tgt Ion:152 Resp: 61625
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.0
115 62.5 49.5 74.3



#5
2-Fluorophenol
Concen: 79.070 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

Tgt Ion:112 Resp: 311381
Ion Ratio Lower Upper
112 100
64 59.0 47.2 70.8
63 30.1 24.4 36.6

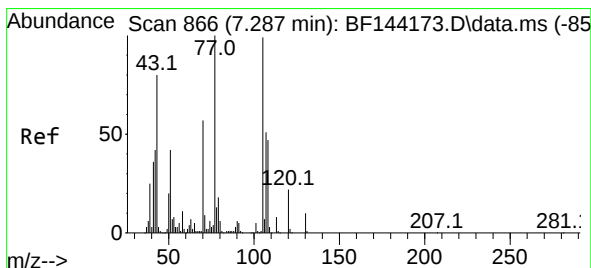
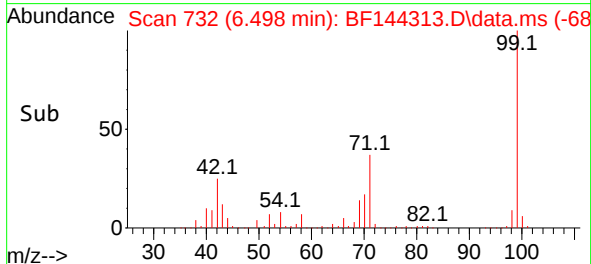
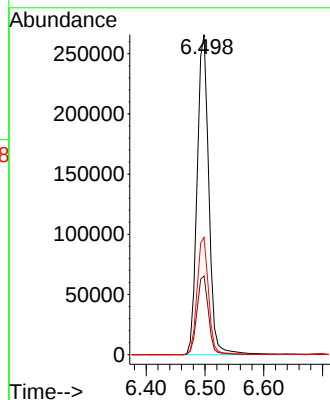
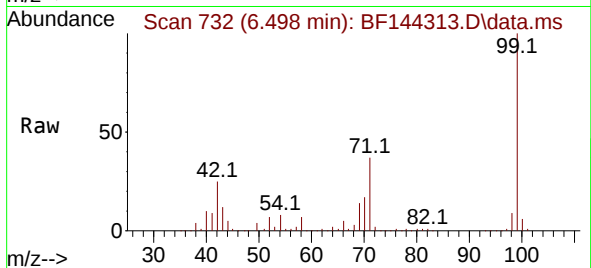




#7
Phenol-d6
Concen: 82.489 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

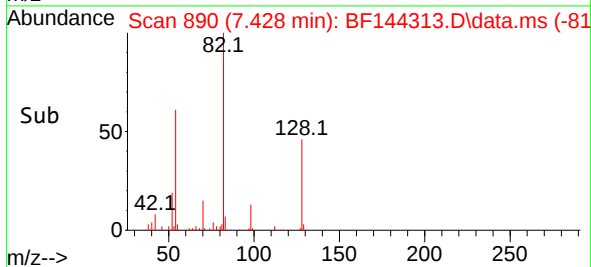
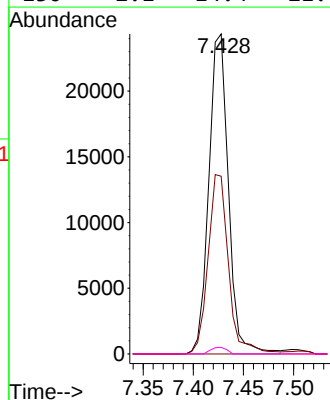
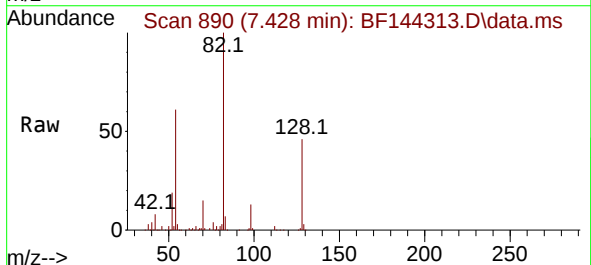
Instrument :
BNA_F
ClientSampleId :
TR-04-112025

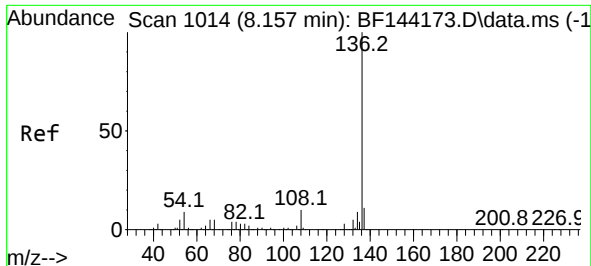
Tgt Ion: 99 Resp: 368075
Ion Ratio Lower Upper
99 100
42 24.6 20.9 31.3
71 36.6 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.294 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

Tgt Ion: 70 Resp: 33174
Ion Ratio Lower Upper
70 100
42 55.5 58.3 87.5#
101 0.0 7.0 10.6#
130 2.1 14.4 21.6#



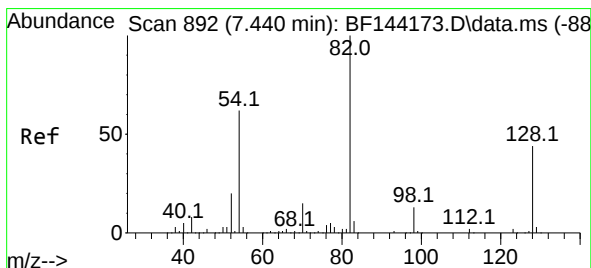
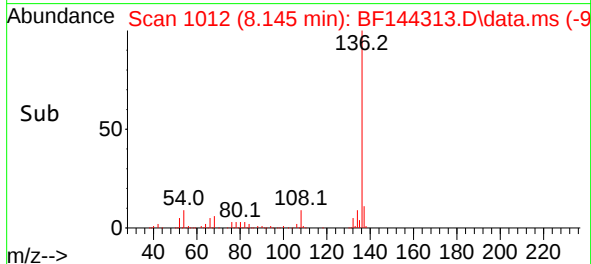
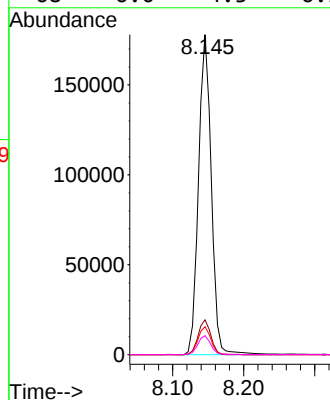
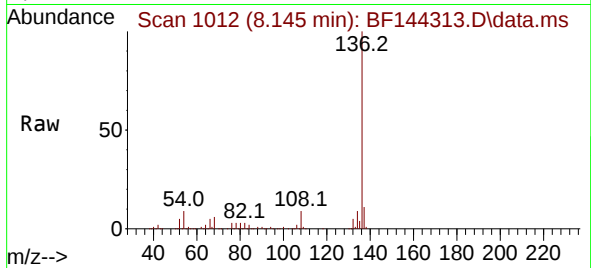


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

Instrument :
BNA_F
ClientSampleId :
TR-04-112025

Tgt Ion:136 Resp: 223419

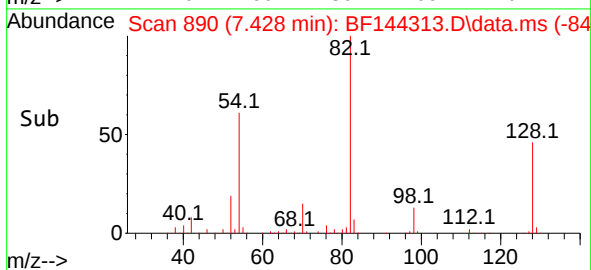
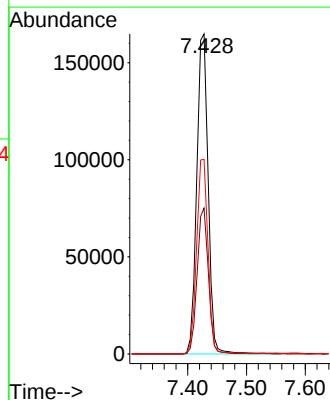
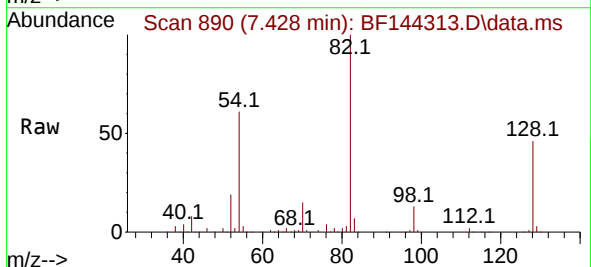
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.7	7.0	10.6
68	6.0	4.3	6.5

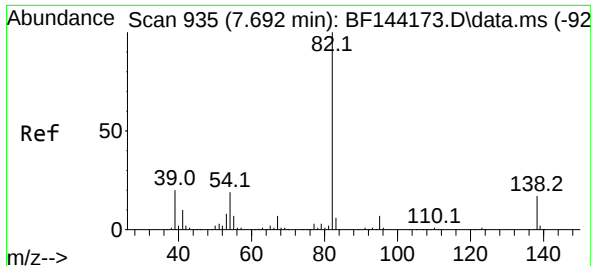


#23
Nitrobenzene-d5
Concen: 57.585 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

Tgt Ion: 82 Resp: 222763

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.7	52.1
54	60.8	49.5	74.3

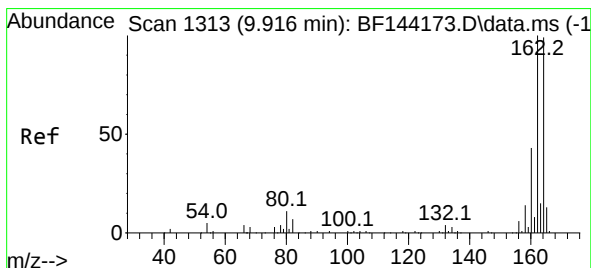
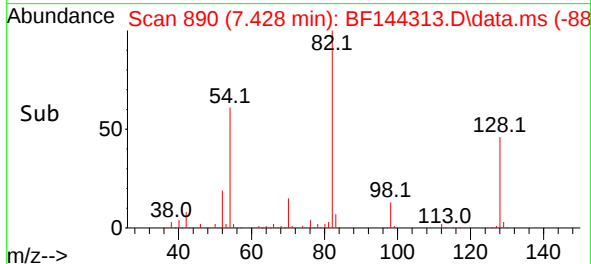
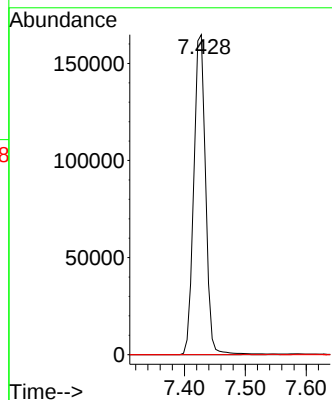
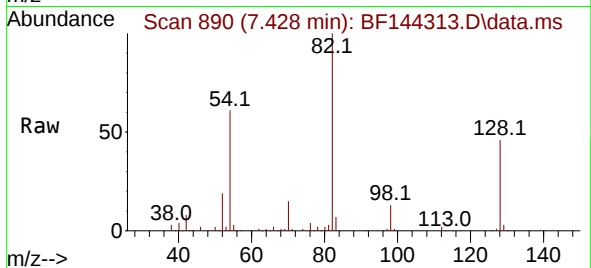




#25
Isophorone
Concen: 30.444 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

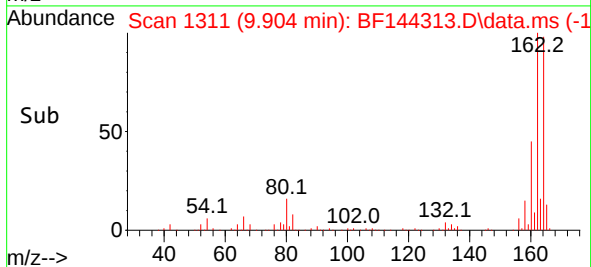
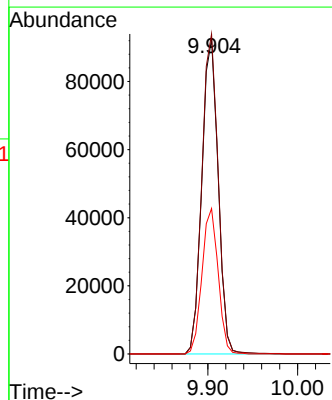
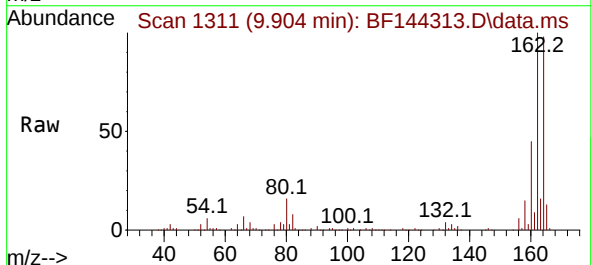
Instrument :
BNA_F
ClientSampleId :
TR-04-112025

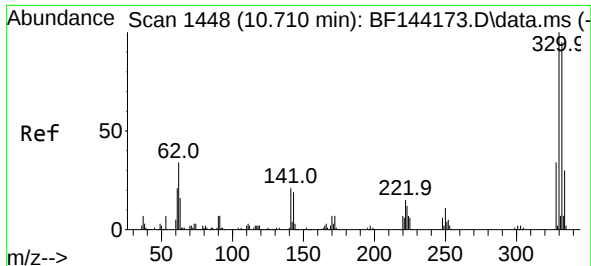
Tgt Ion: 82 Resp: 222760
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

Tgt Ion:164 Resp: 116461
Ion Ratio Lower Upper
164 100
162 101.7 81.1 121.7
160 46.2 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 78.522 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144313.D

Acq: 21 Nov 2025 17:49

Instrument :

BNA_F

ClientSampleId :

TR-04-112025

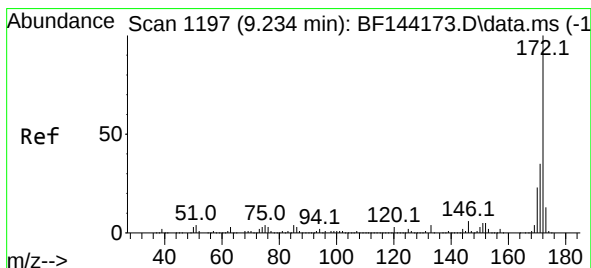
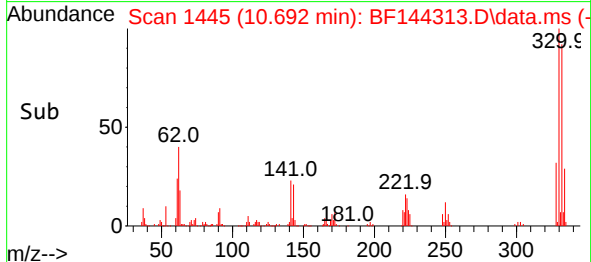
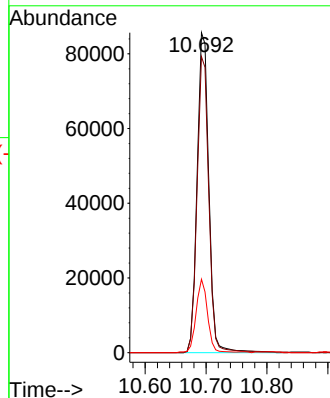
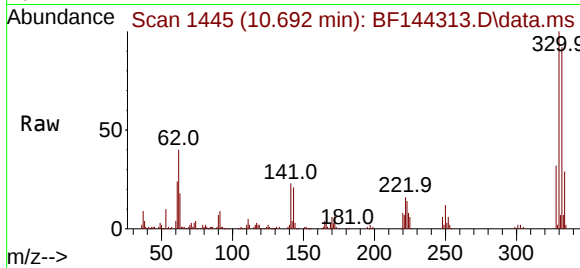
Tgt Ion:330 Resp: 114756

Ion Ratio Lower Upper

330 100

332 92.6 76.7 115.1

141 22.4 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 57.876 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144313.D

Acq: 21 Nov 2025 17:49

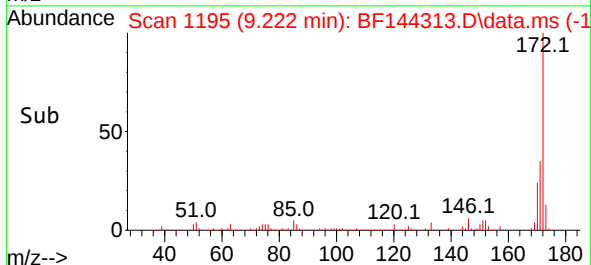
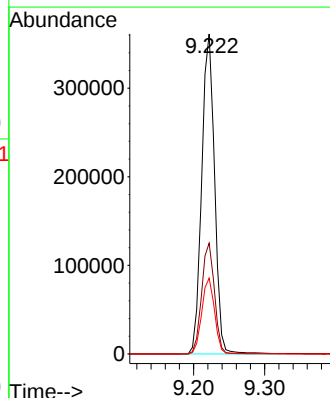
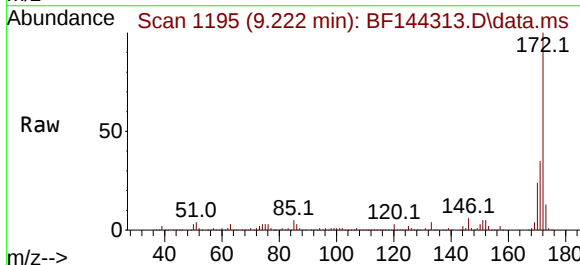
Tgt Ion:172 Resp: 456372

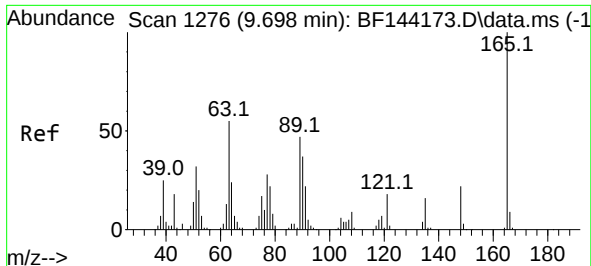
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.7 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.627 ng

RT: 9.904 min Scan# 1311

Delta R.T. 0.212 min

Lab File: BF144313.D

Acq: 21 Nov 2025 17:49

Instrument :

BNA_F

ClientSampleId :

TR-04-112025

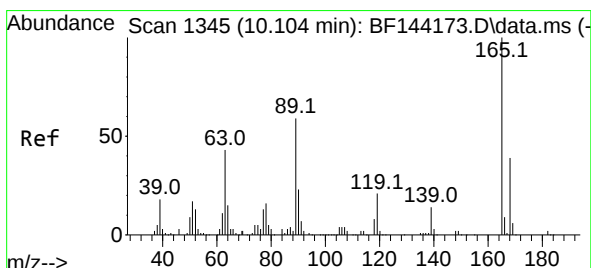
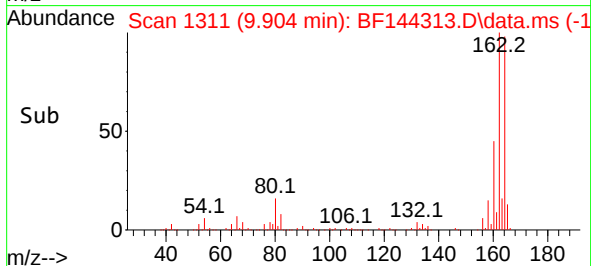
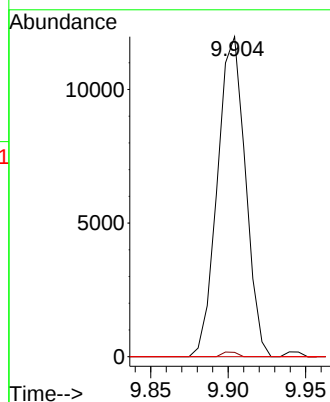
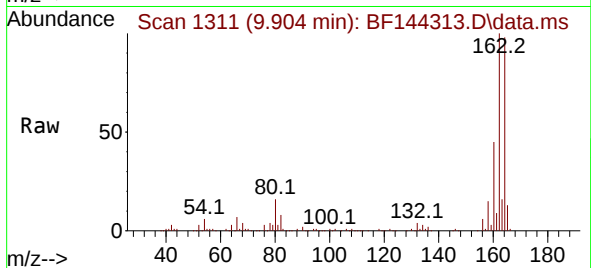
Tgt Ion:165 Resp: 15035

Ion Ratio Lower Upper

165 100

63 1.3 43.8 65.8#

89 0.0 37.5 56.3#



#57

2,4-Dinitrotoluene

Concen: 7.191 ng

RT: 9.904 min Scan# 1311

Delta R.T. -0.194 min

Lab File: BF144313.D

Acq: 21 Nov 2025 17:49

Tgt Ion:165 Resp: 15035

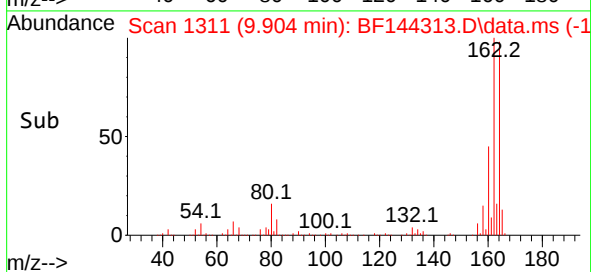
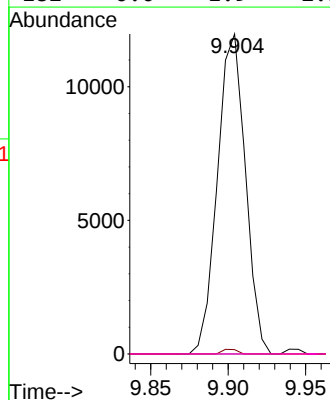
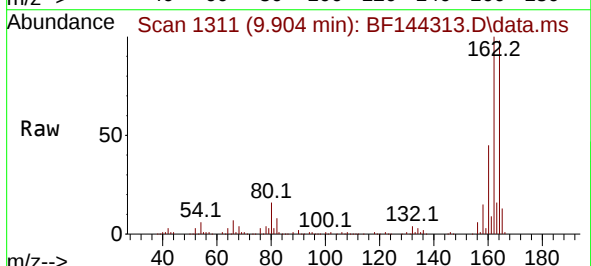
Ion Ratio Lower Upper

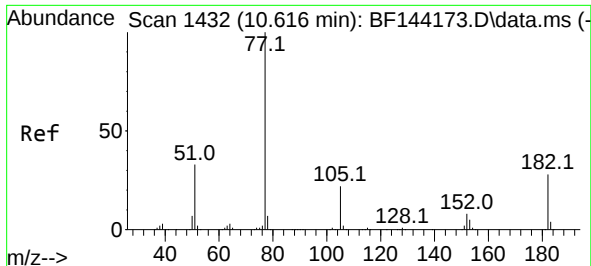
165 100

63 1.3 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#

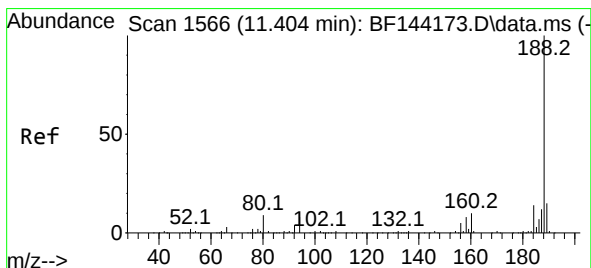
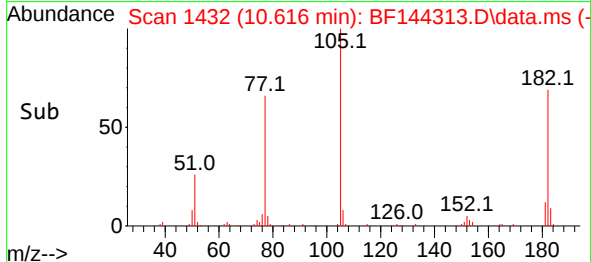
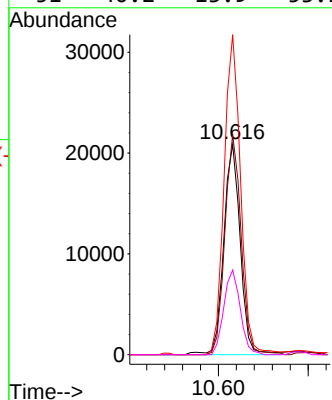
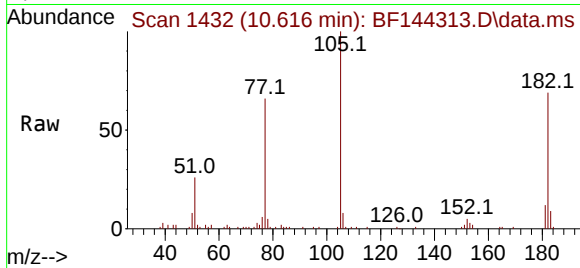




#63
Azobenzene
Concen: 4.021 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

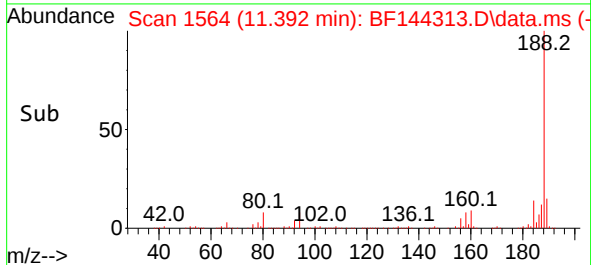
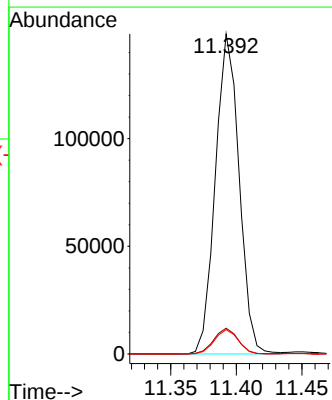
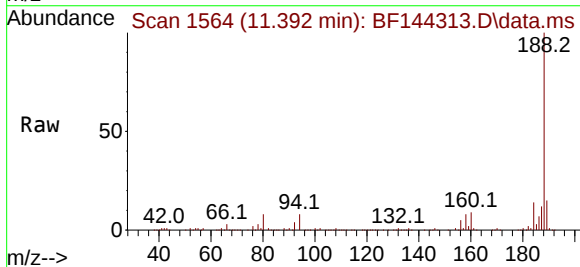
Instrument :
BNA_F
ClientSampleId :
TR-04-112025

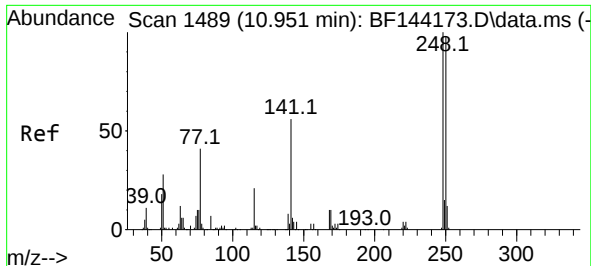
Tgt Ion: 77	Resp: 26619
Ion Ratio	Lower Upper
77 100	
182 104.6	8.1 48.1#
105 152.0	2.0 42.0#
51 40.2	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

Tgt Ion: 188	Resp: 186741
Ion Ratio	Lower Upper
188 100	
94 8.1	6.2 9.2
80 7.6	6.9 10.3

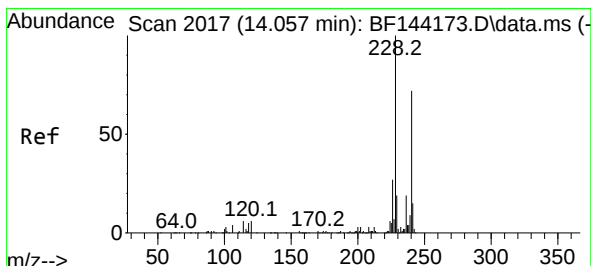
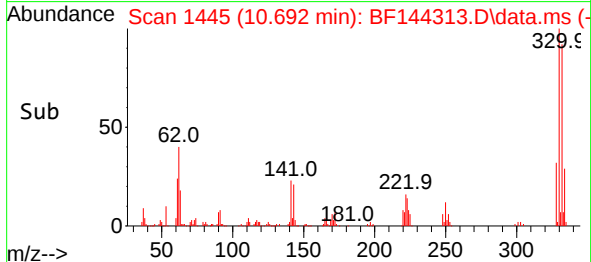
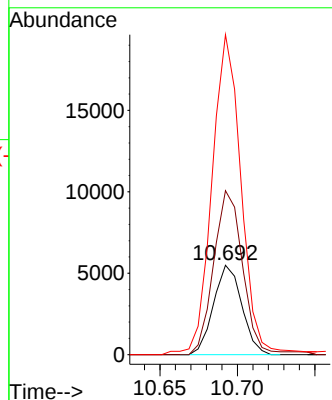
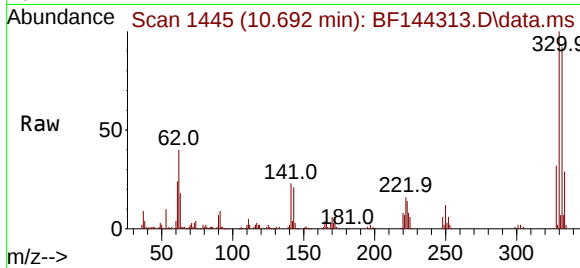




#67
4-Bromophenyl-phenylether
Concen: 2.925 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

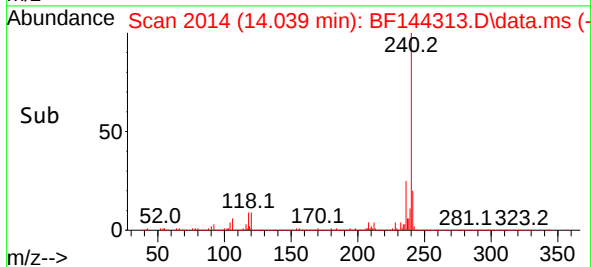
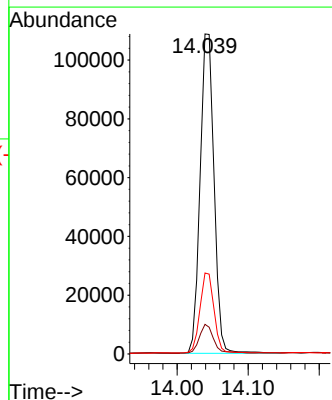
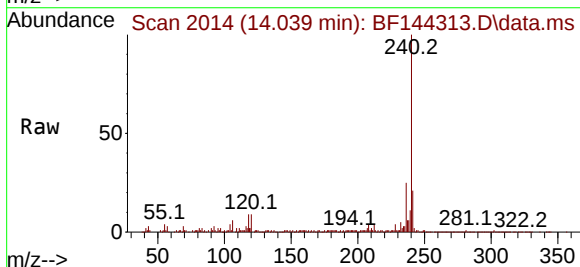
Instrument :
BNA_F
ClientSampleId :
TR-04-112025

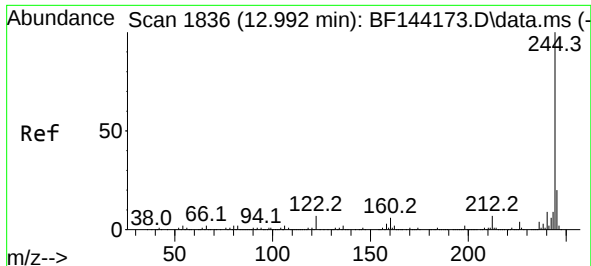
Tgt Ion:248 Resp: 6972
Ion Ratio Lower Upper
248 100
250 183.3 78.4 117.6#
141 357.7 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

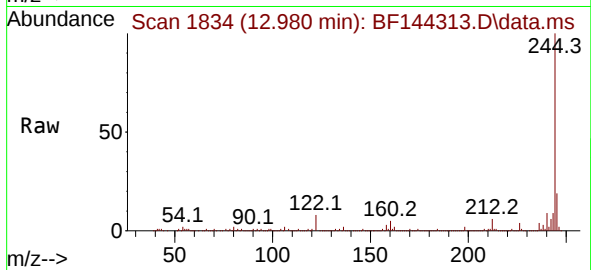
Tgt Ion:240 Resp: 148812
Ion Ratio Lower Upper
240 100
120 9.2 6.6 10.0
236 25.3 21.4 32.2



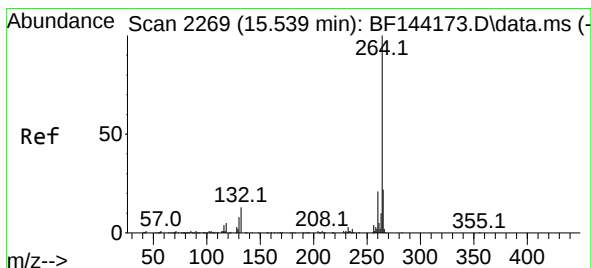
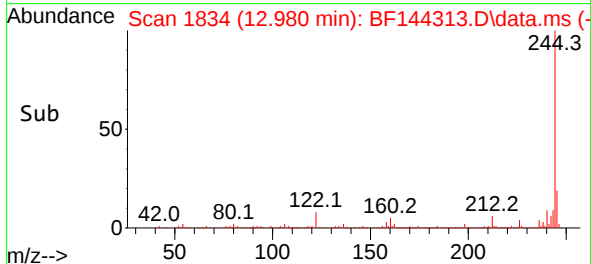
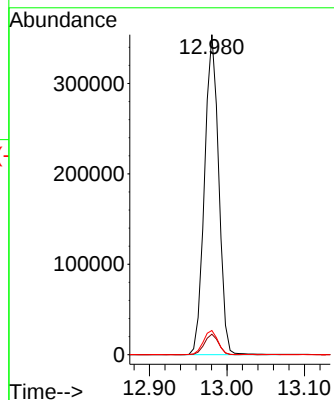


#79
Terphenyl-d14
Concen: 47.962 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

Instrument :
BNA_F
ClientSampleId :
TR-04-112025



Tgt Ion:244 Resp: 449339
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 7.6 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144313.D
Acq: 21 Nov 2025 17:49

Tgt Ion:264 Resp: 114530
Ion Ratio Lower Upper
264 100
260 21.8 17.1 25.7
265 20.8 17.4 26.0

