

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144084.D
 Acq On : 27 Oct 2025 15:33
 Operator : RC/JU
 Sample : Q3449-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-620-COMP-41

Quant Time: Oct 27 16:09:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

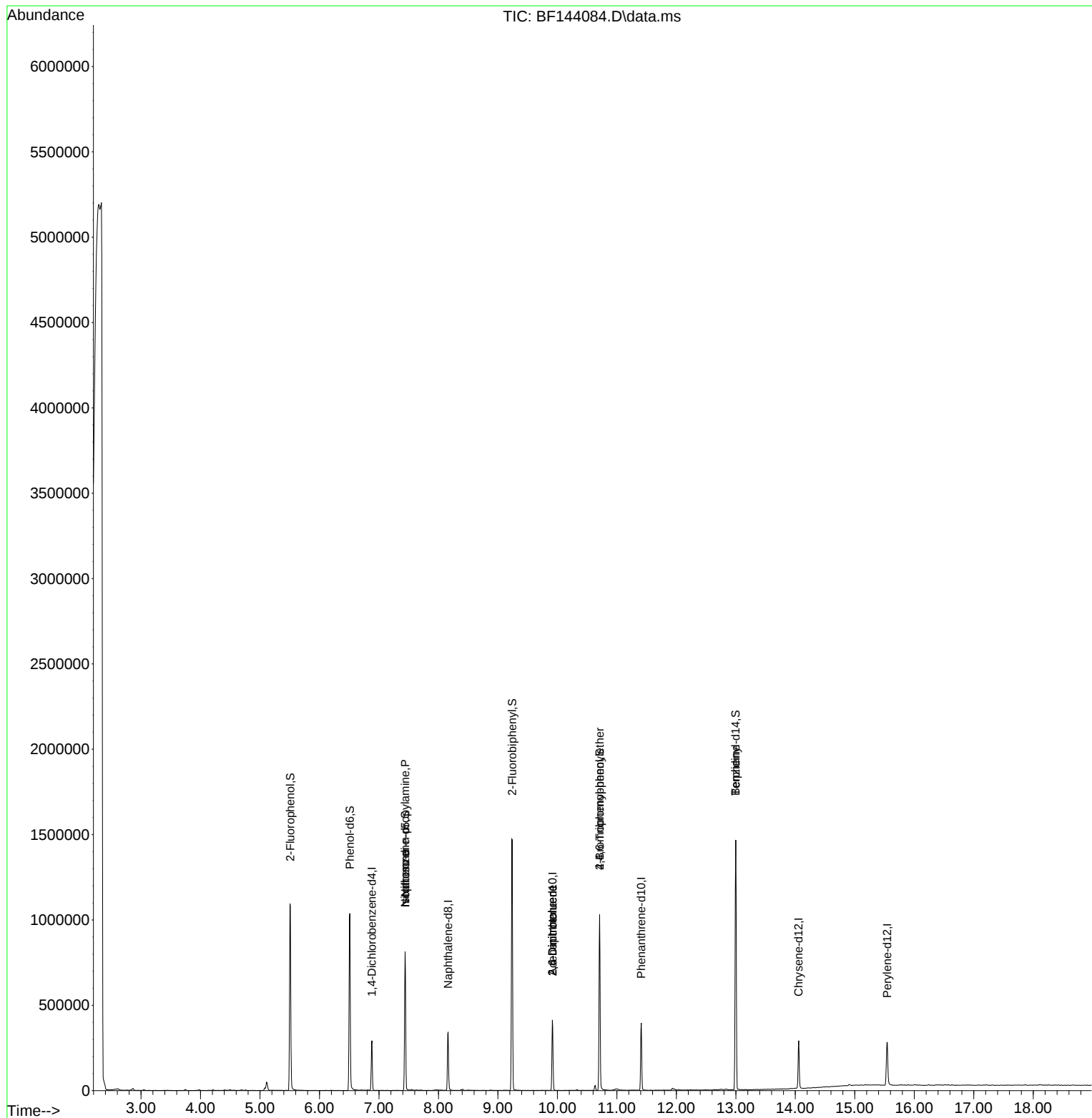
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	61501	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	226088	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	127995	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	216204	20.000	ng	0.00
76) Chrysene-d12	14.057	240	149317	20.000	ng	0.00
86) Perylene-d12	15.545	264	184970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	421591	108.454	ng	0.02
7) Phenol-d6	6.510	99	445323	103.730	ng	0.00
23) Nitrobenzene-d5	7.439	82	337160	81.703	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	213434	130.908	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	711474	78.222	ng	0.00
79) Terphenyl-d14	12.998	244	775760	90.827	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	50550	18.209	ng	# 73
25) Isophorone	7.439	82	333583	46.237	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	16116	9.717	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	16116	7.199	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	11436	4.225	ng	# 1
77) Benzidine	12.998	184	10114	2.176	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144084.D
Acq On : 27 Oct 2025 15:33
Operator : RC/JU
Sample : Q3449-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

Quant Time: Oct 27 16:09:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

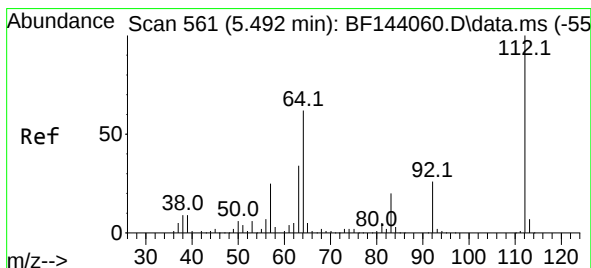
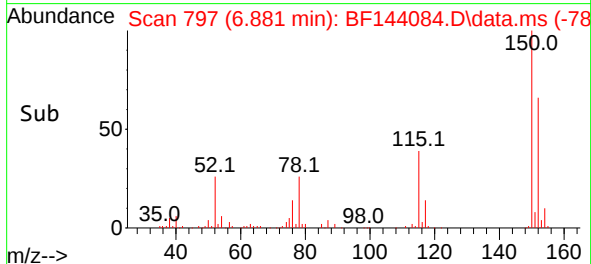
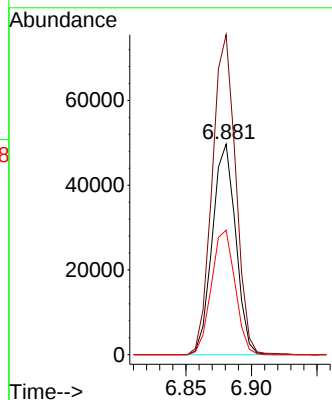
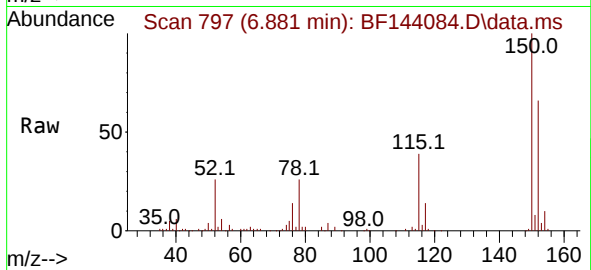




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF144084.D
 Acq: 27 Oct 2025 15:33

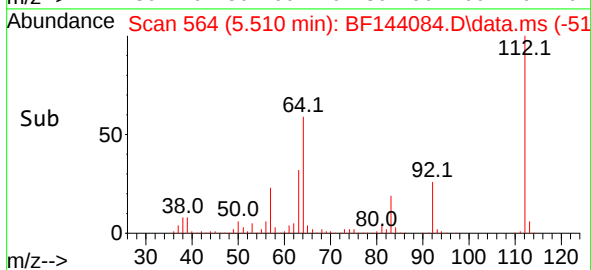
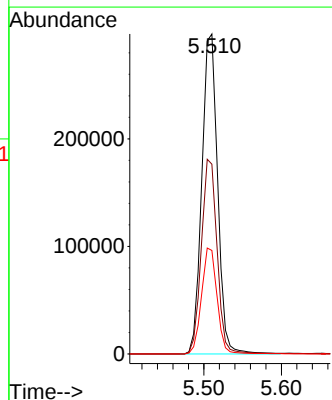
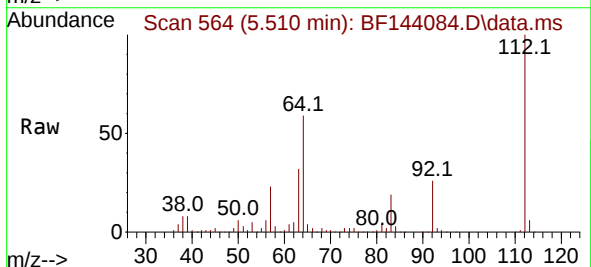
Instrument :
 BNA_F
 ClientSampleId :
 CF-620-COMP-41

Tgt Ion:152 Resp: 61501
 Ion Ratio Lower Upper
 152 100
 150 152.0 124.4 186.6
 115 59.1 49.4 74.0



#5
 2-Fluorophenol
 Concen: 108.454 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.018 min
 Lab File: BF144084.D
 Acq: 27 Oct 2025 15:33

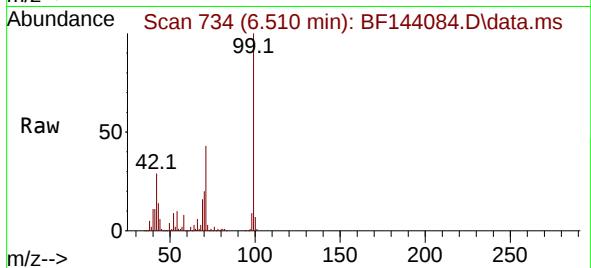
Tgt Ion:112 Resp: 421591
 Ion Ratio Lower Upper
 112 100
 64 59.3 49.8 74.8
 63 32.4 27.4 41.2



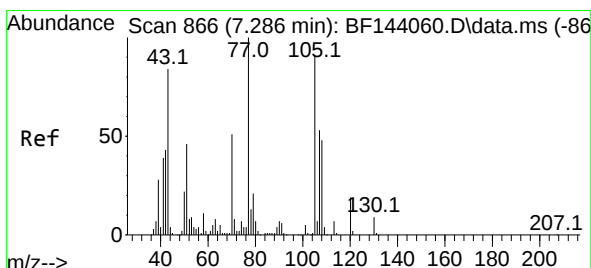
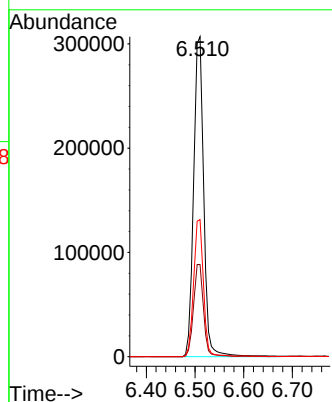
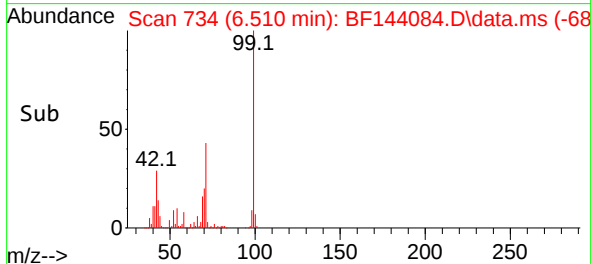


#7
Phenol-d6
Concen: 103.730 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

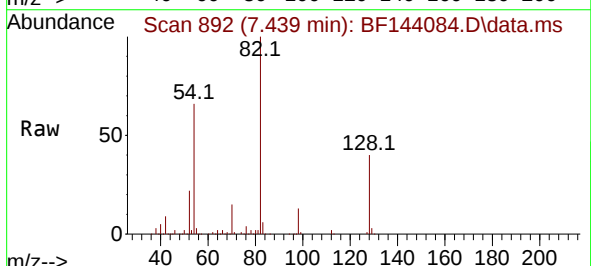
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41



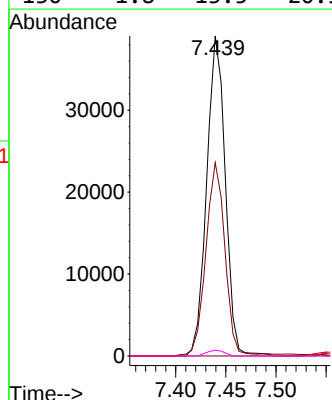
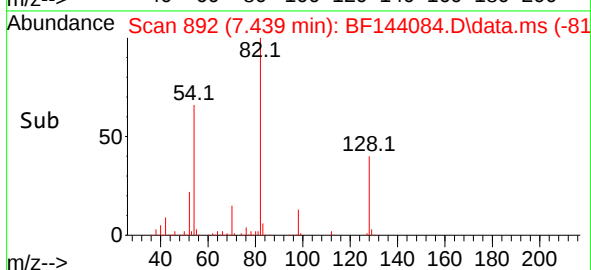
Tgt Ion: 99 Resp: 445323
Ion Ratio Lower Upper
99 100
42 28.8 23.9 35.9
71 42.8 34.4 51.6

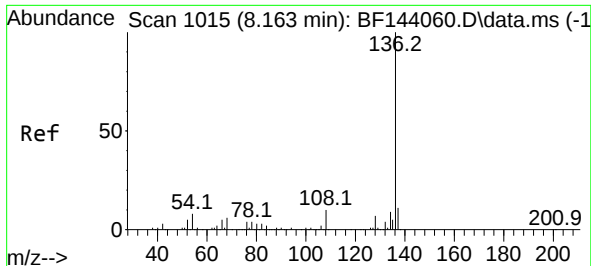


#19
n-Nitroso-di-n-propylamine
Concen: 18.209 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33



Tgt Ion: 70 Resp: 50550
Ion Ratio Lower Upper
70 100
42 60.4 67.4 101.0#
101 0.0 7.1 10.7#
130 1.8 13.5 20.3#



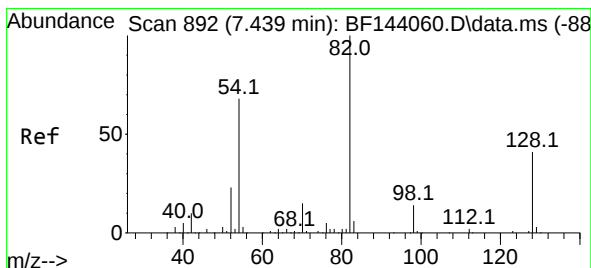
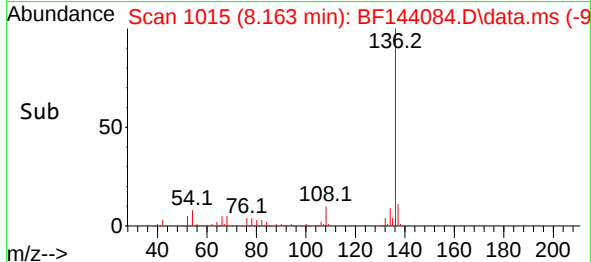
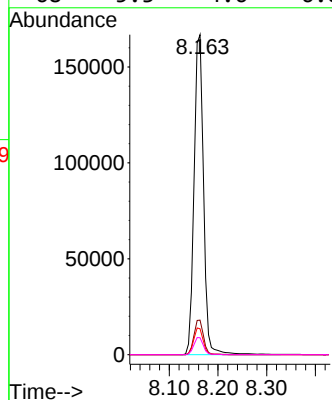
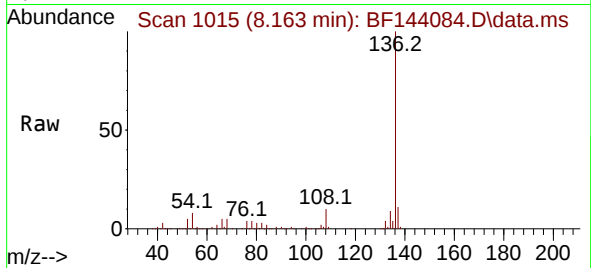


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

Tgt Ion:136 Resp: 226088

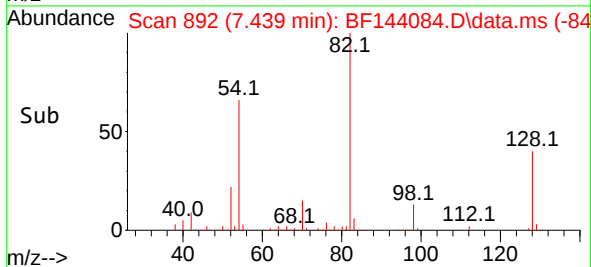
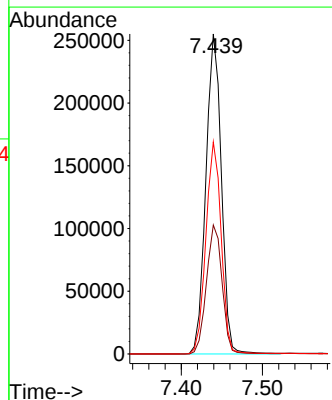
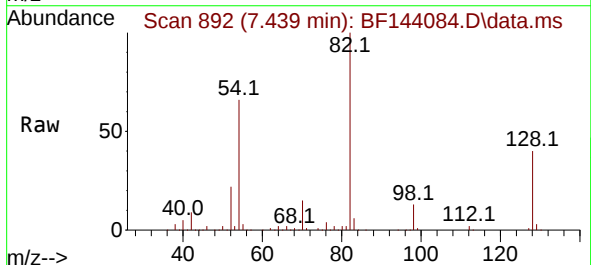
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.1	6.6	9.8
68	5.3	4.6	6.8

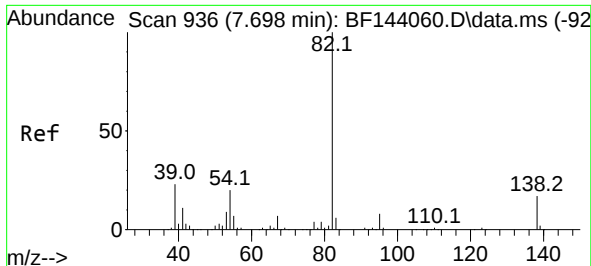


#23
Nitrobenzene-d5
Concen: 81.703 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

Tgt Ion: 82 Resp: 337160

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.4	48.6
54	66.3	54.0	81.0

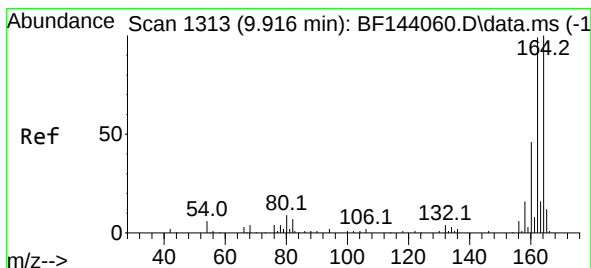
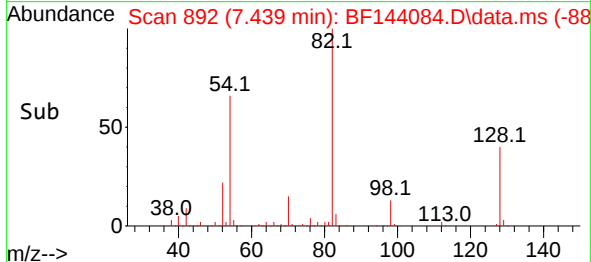
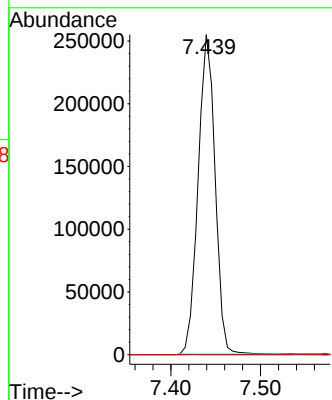
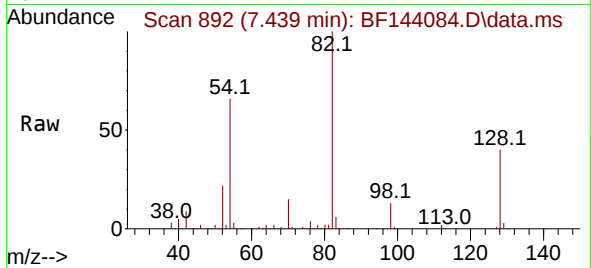




#25
Isophorone
Concen: 46.237 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

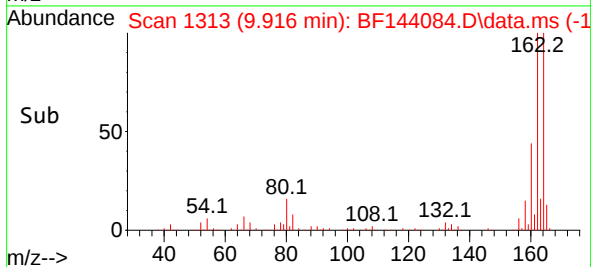
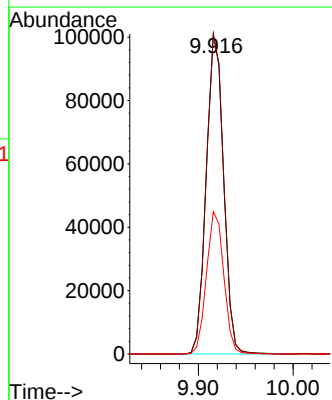
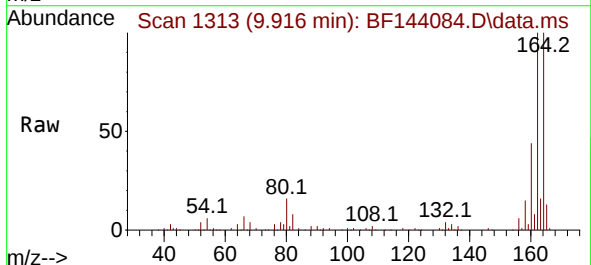
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

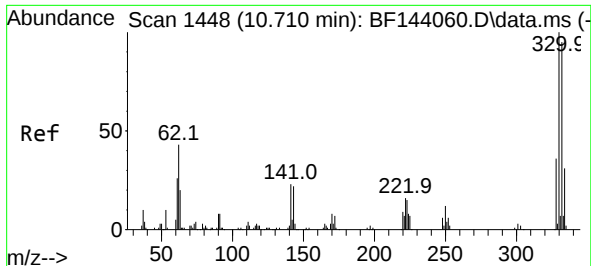
Tgt Ion: 82 Resp: 333583
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

Tgt Ion:164 Resp: 127995
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.2
160 44.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 130.908 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144084.D

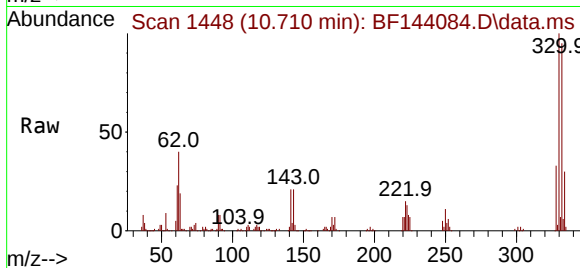
Acq: 27 Oct 2025 15:33

Instrument :

BNA_F

ClientSampleId :

CF-620-COMP-41



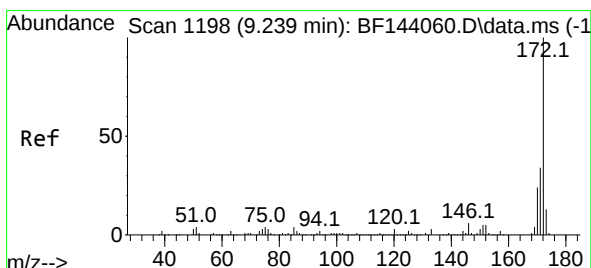
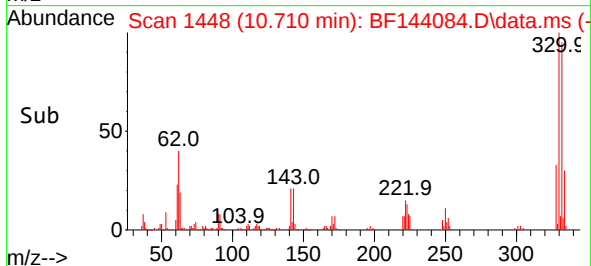
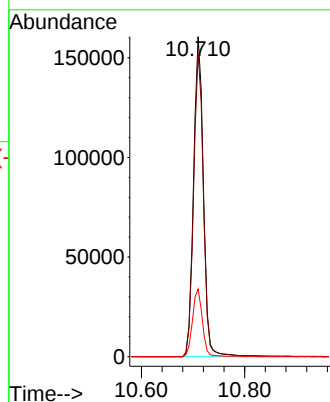
Tgt Ion:330 Resp: 213434

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

141 21.0 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 78.222 ng

RT: 9.239 min Scan# 1198

Delta R.T. 0.000 min

Lab File: BF144084.D

Acq: 27 Oct 2025 15:33

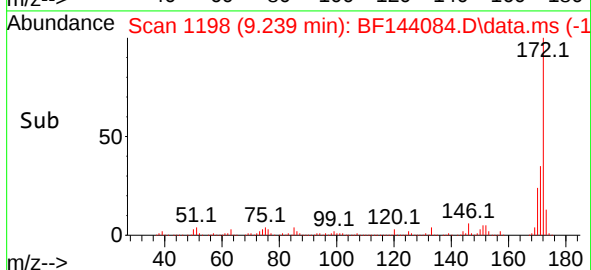
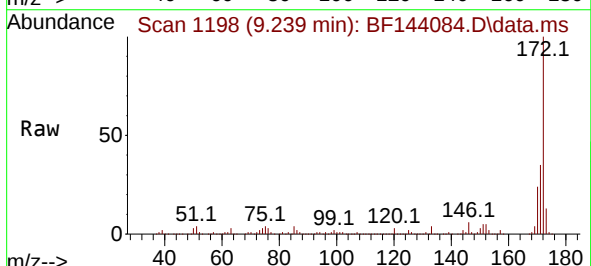
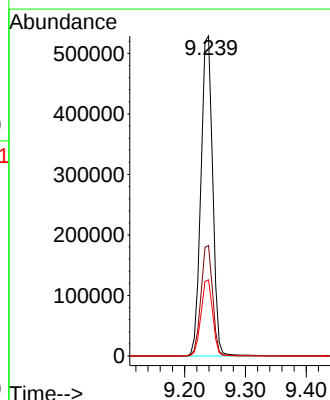
Tgt Ion:172 Resp: 711474

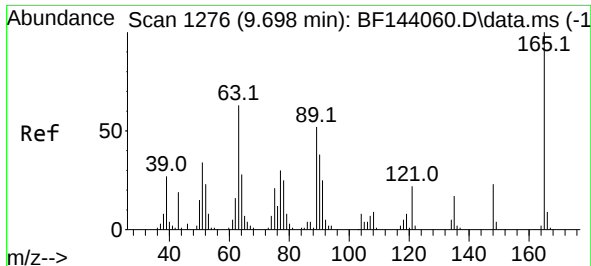
Ion Ratio Lower Upper

172 100

171 34.5 27.5 41.3

170 23.8 19.0 28.6

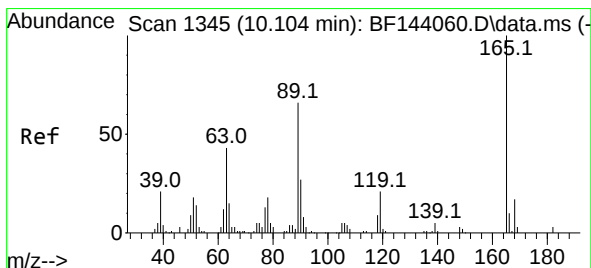
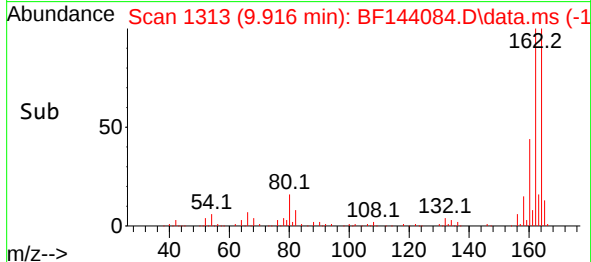
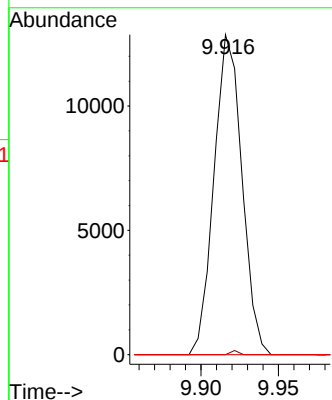
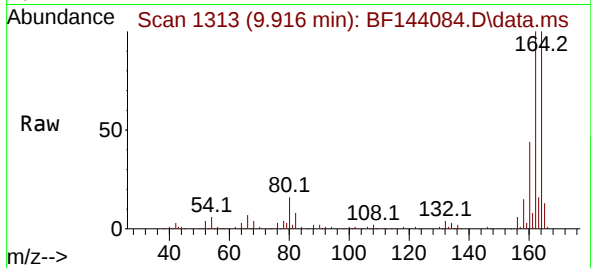




#51
2,6-Dinitrotoluene
Concen: 9.717 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

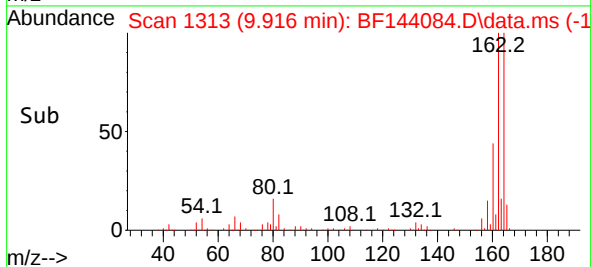
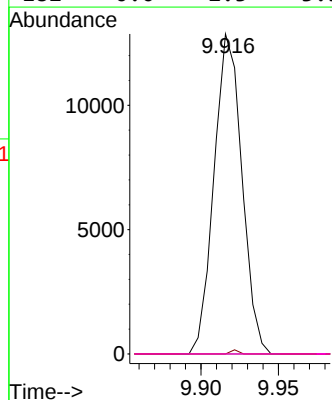
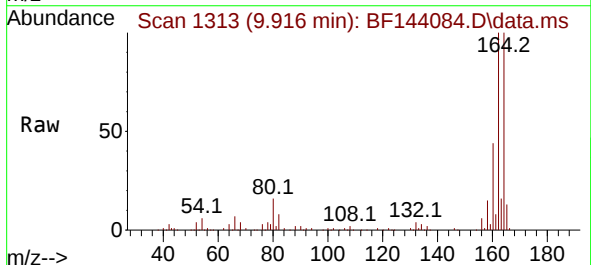
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

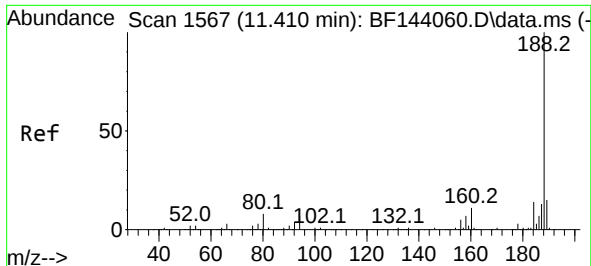
Tgt Ion:165 Resp: 16116
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.199 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

Tgt Ion:165 Resp: 16116
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#

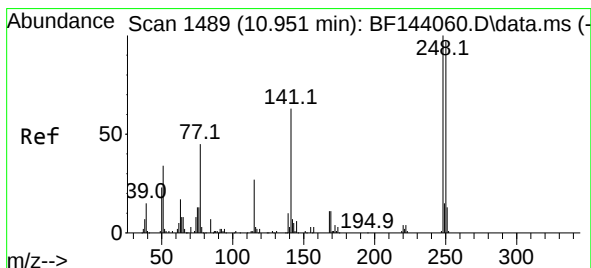
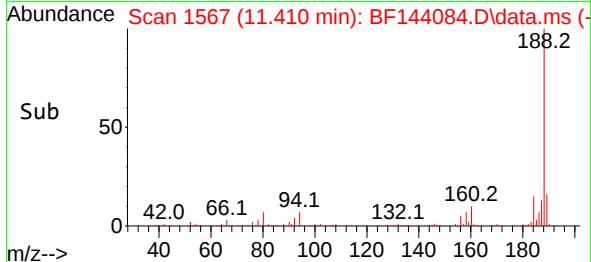
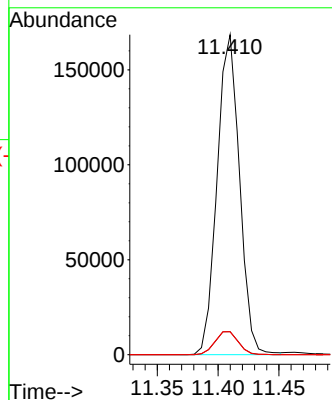
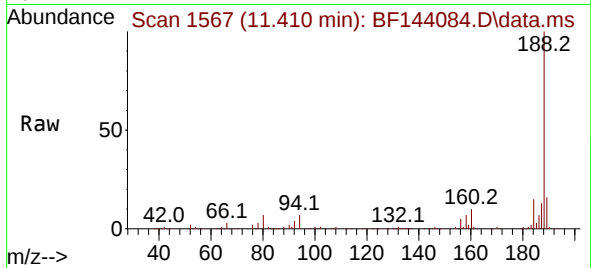




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

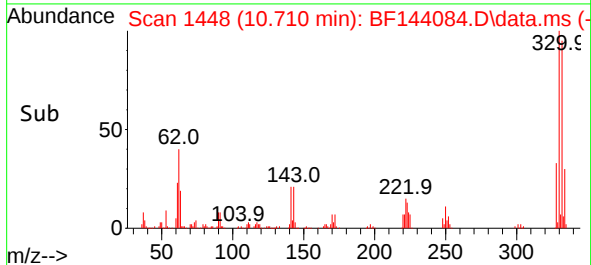
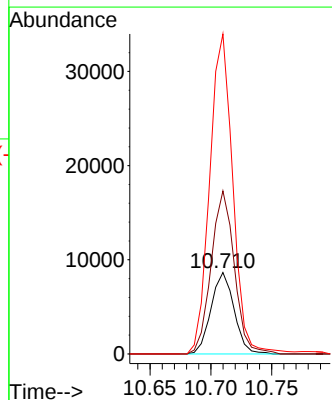
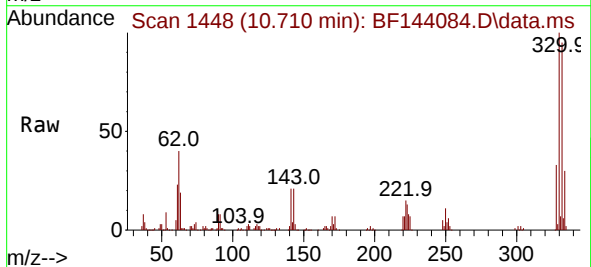
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

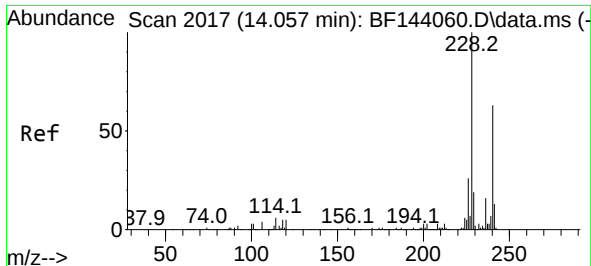
Tgt Ion:188 Resp: 216204
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.0
80 7.2 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 4.225 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.241 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

Tgt Ion:248 Resp: 11436
Ion Ratio Lower Upper
248 100
250 200.0 77.8 116.6#
141 392.6 50.5 75.7#

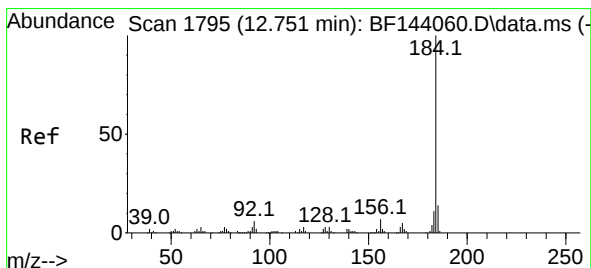
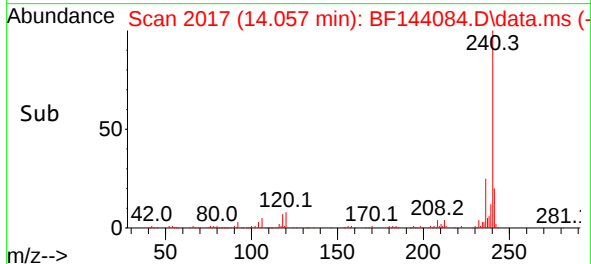
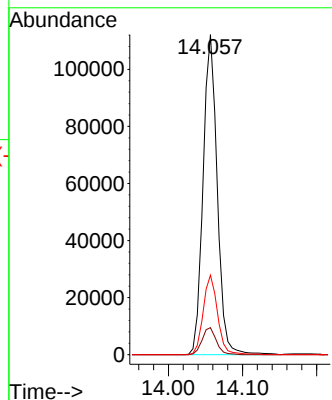
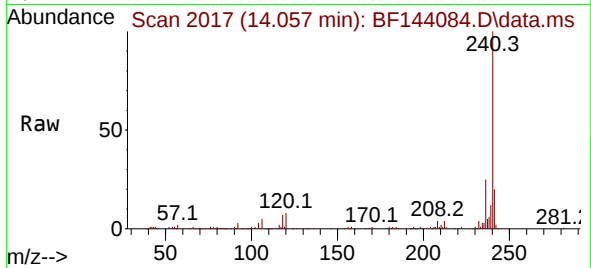




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

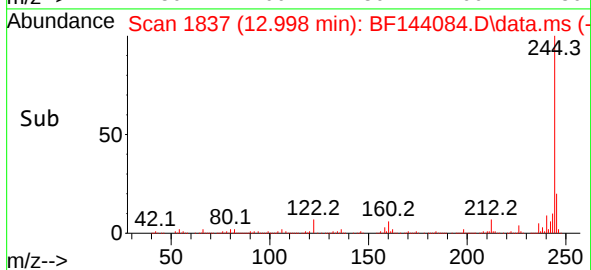
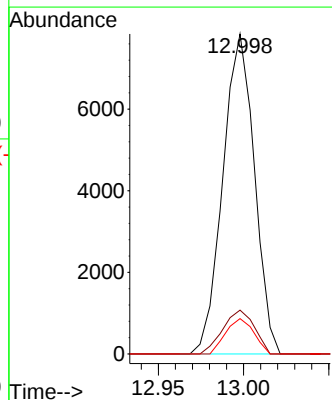
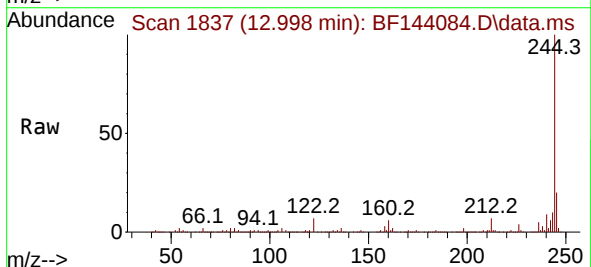
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

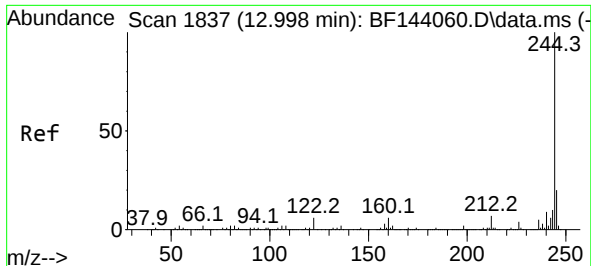
Tgt Ion:240 Resp: 149317
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 24.9 20.1 30.1



#77
Benzidine
Concen: 2.176 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.247 min
Lab File: BF144084.D
Acq: 27 Oct 2025 15:33

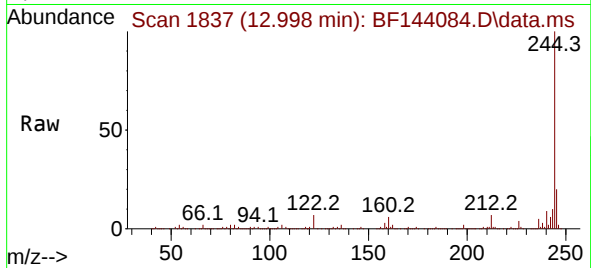
Tgt Ion:184 Resp: 10114
Ion Ratio Lower Upper
184 100
185 13.7 11.6 17.4
183 11.1 8.5 12.7



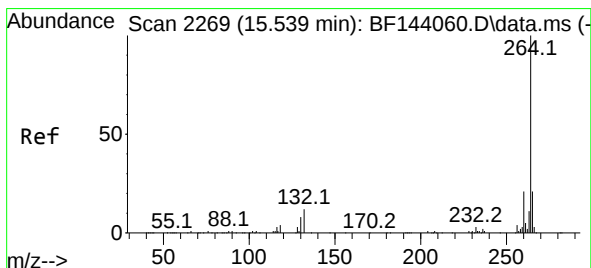
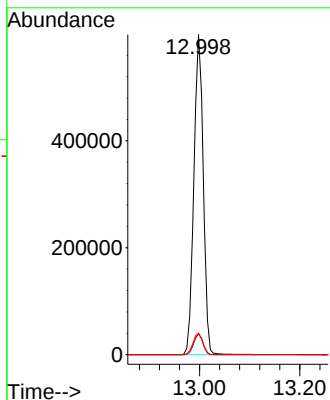
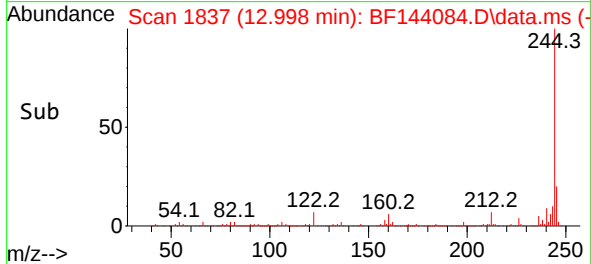


#79
 Terphenyl-d14
 Concen: 90.827 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF144084.D
 Acq: 27 Oct 2025 15:33

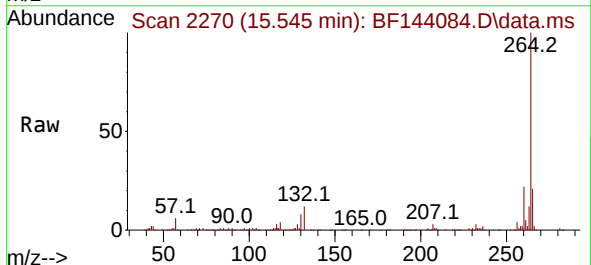
Instrument :
 BNA_F
 ClientSampleId :
 CF-620-COMP-41



Tgt Ion:244 Resp: 775760
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 6.7 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.006 min
 Lab File: BF144084.D
 Acq: 27 Oct 2025 15:33



Tgt Ion:264 Resp: 184970
 Ion Ratio Lower Upper
 264 100
 260 21.6 17.0 25.4
 265 20.7 16.6 24.8

