

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144107.D
 Acq On : 28 Oct 2025 18:14
 Operator : RC/JU
 Sample : Q3460-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Oct 28 18:42:25 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)

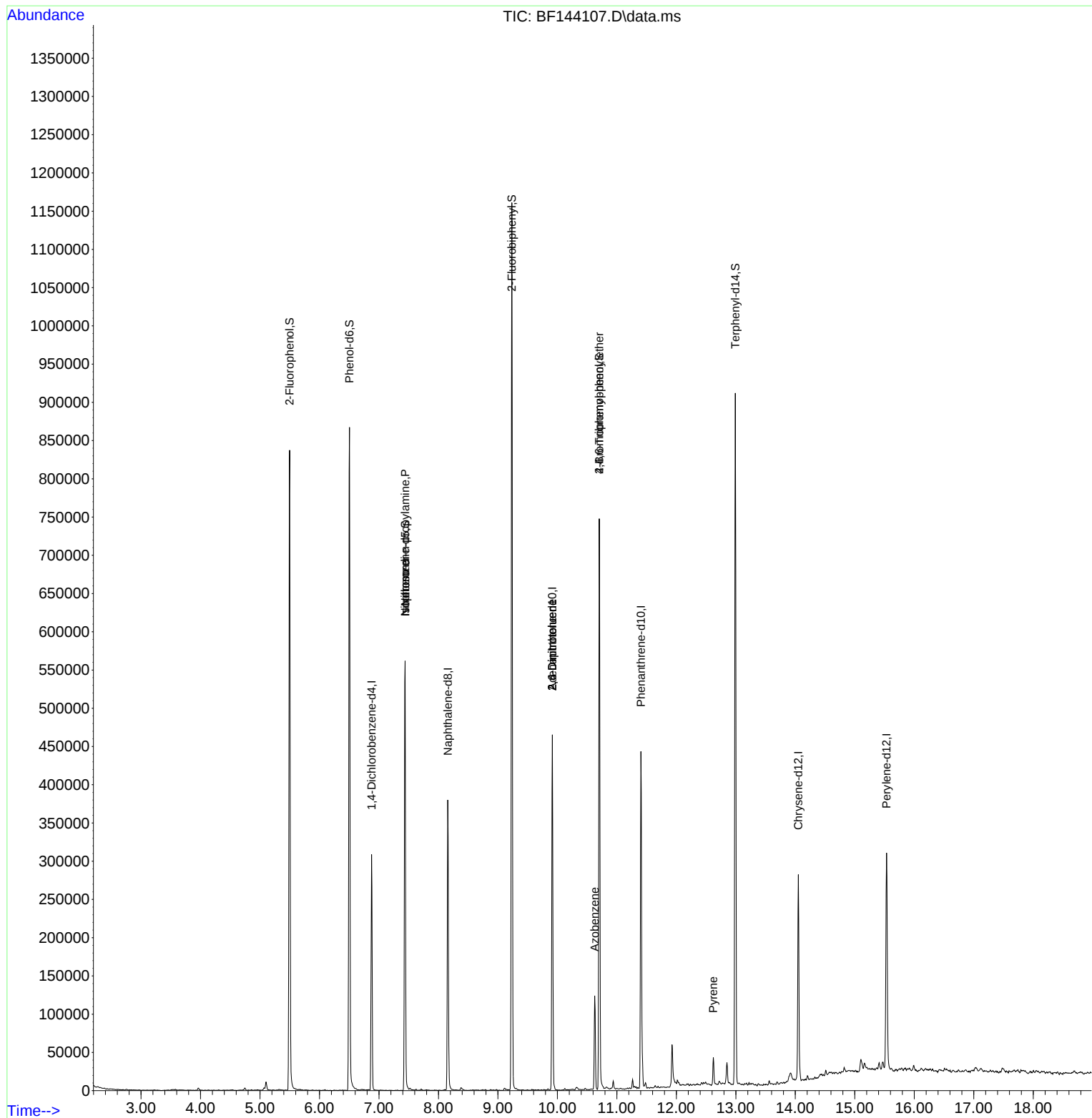
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62895	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	246855	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	140759	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	238399	20.000	ng	0.00
76) Chrysene-d12	14.051	240	133445	20.000	ng	0.00
86) Perylene-d12	15.533	264	180144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	317236	79.800	ng	0.00
7) Phenol-d6	6.504	99	361602	82.362	ng	0.00
23) Nitrobenzene-d5	7.440	82	242153	53.744	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	148203	82.657	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	525330	52.519	ng	0.00
79) Terphenyl-d14	12.992	244	467936	61.303	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	36464	12.844	ng	# 70
25) Isophorone	7.440	82	242151	30.740	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	17891	9.809	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	17891	7.268	ng	# 26
63) Azobenzene	10.628	77	29070	3.540	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	8811	2.952	ng	# 1
78) Pyrene	12.622	202	21926	2.285	ng	98

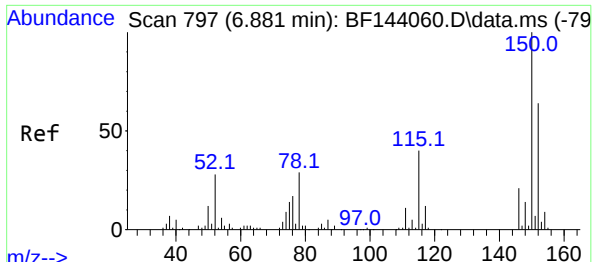
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144107.D
Acq On : 28 Oct 2025 18:14
Operator : RC/JU
Sample : Q3460-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3

Quant Time: Oct 28 18:42:25 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

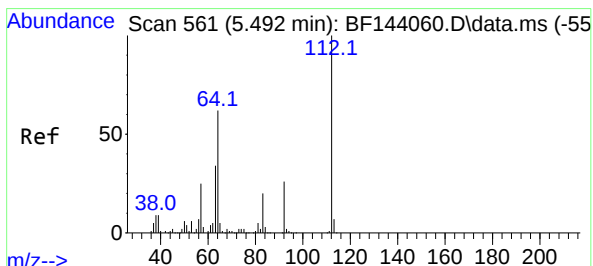
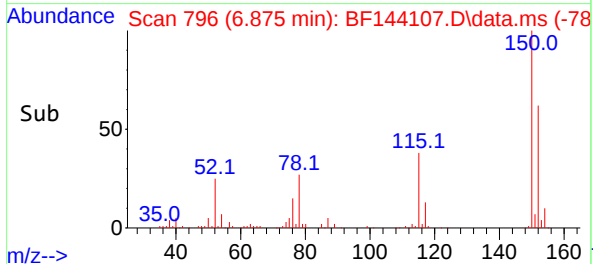
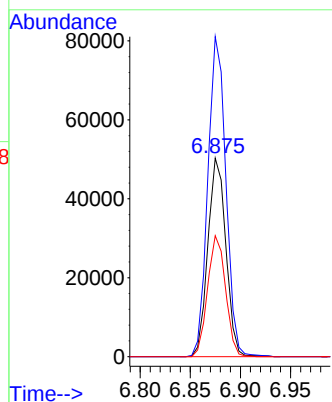
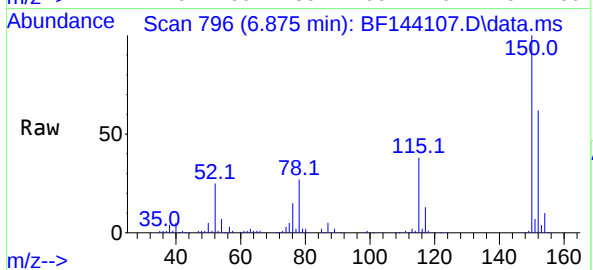




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

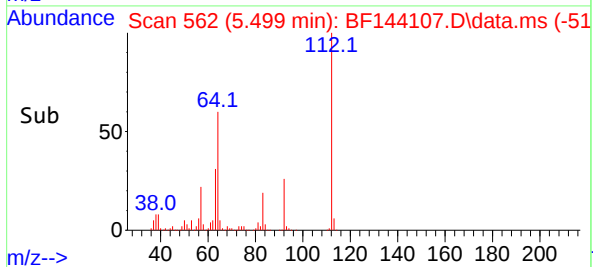
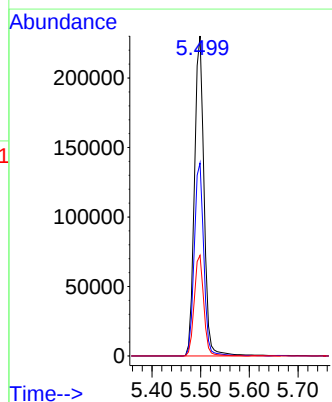
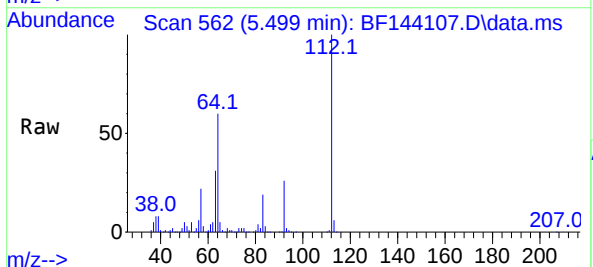
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:152 Resp: 62895
Ion Ratio Lower Upper
152 100
150 161.2 124.4 186.6
115 60.9 49.4 74.0



#5
2-Fluorophenol
Concen: 79.800 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

Tgt Ion:112 Resp: 317236
Ion Ratio Lower Upper
112 100
64 60.3 49.8 74.8
63 31.5 27.4 41.2

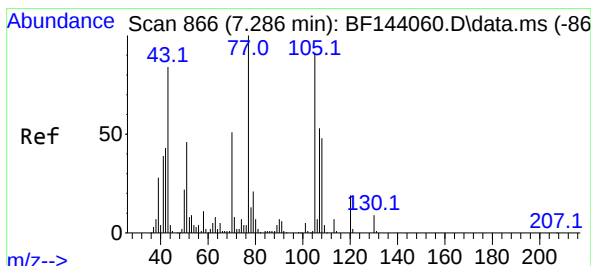
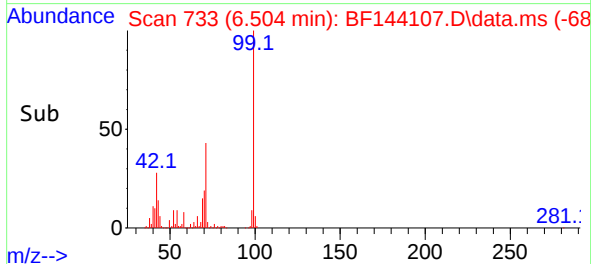
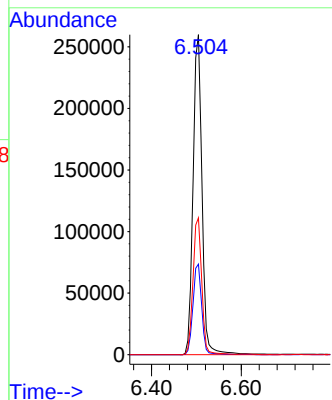
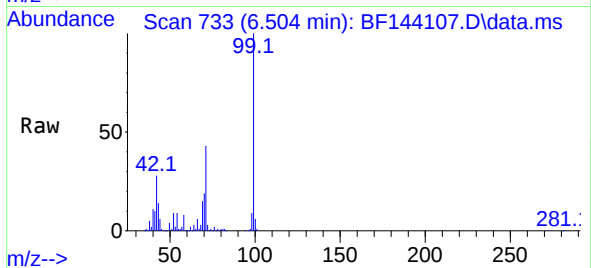




#7
Phenol-d6
Concen: 82.362 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

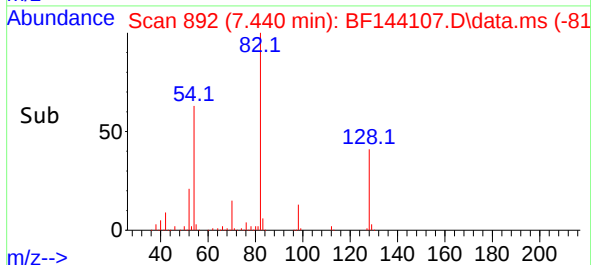
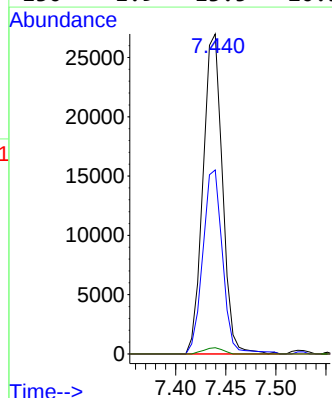
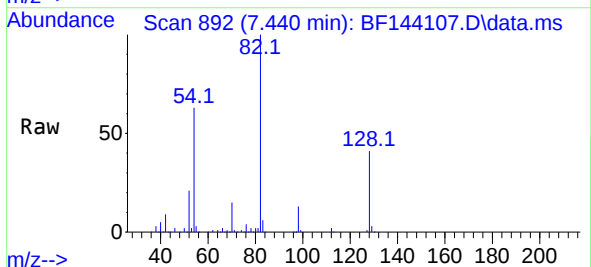
Instrument :
BNA_F
ClientSampleId :
WC-3

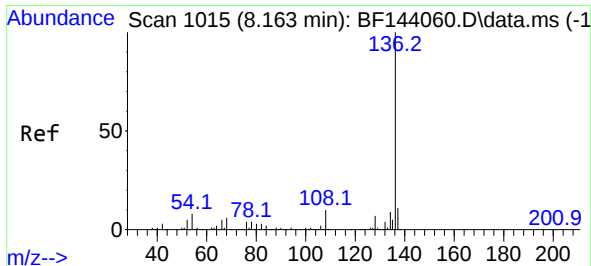
Tgt Ion: 99 Resp: 361602
Ion Ratio Lower Upper
99 100
42 28.3 23.9 35.9
71 42.8 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.844 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

Tgt Ion: 70 Resp: 36464
Ion Ratio Lower Upper
70 100
42 57.5 67.4 101.0#
101 0.0 7.1 10.7#
130 1.9 13.5 20.3#

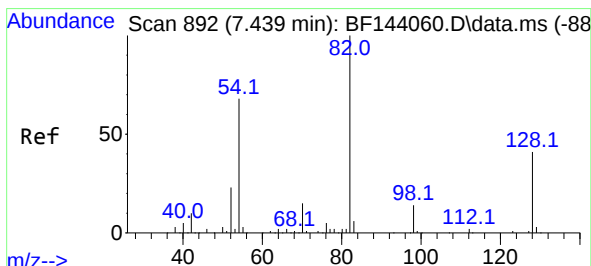
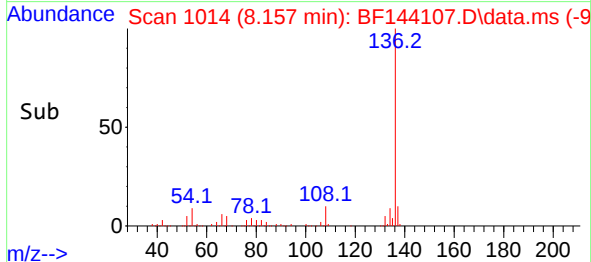
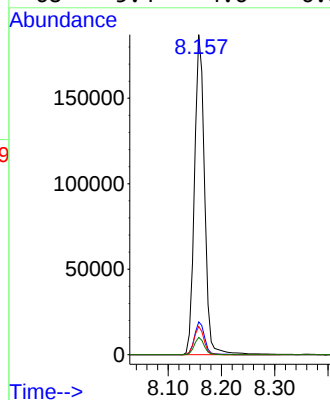
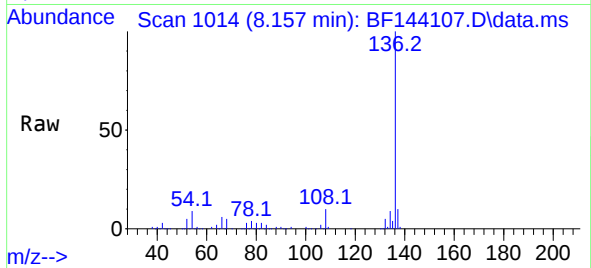




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

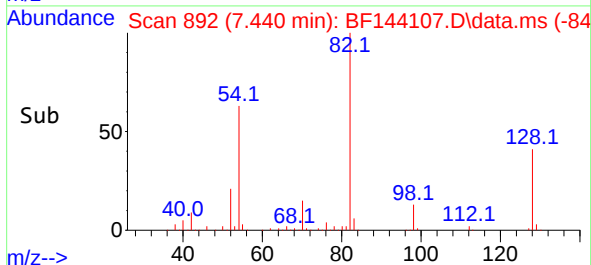
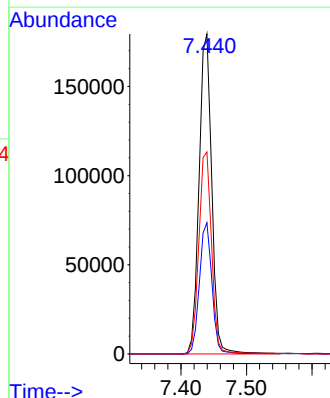
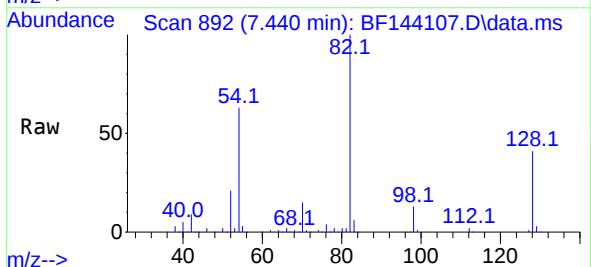
Instrument :
BNA_F
ClientSampleId :
WC-3

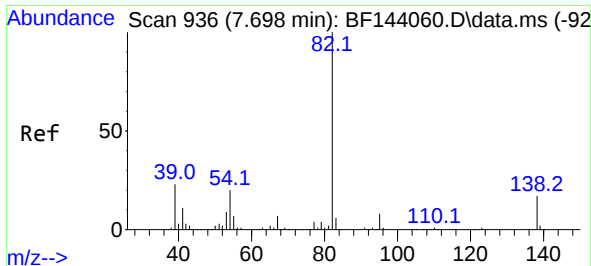
Tgt Ion:136 Resp: 246855
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.8 6.6 9.8
68 5.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 53.744 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

Tgt Ion: 82 Resp: 242153
Ion Ratio Lower Upper
82 100
128 41.0 32.4 48.6
54 63.1 54.0 81.0

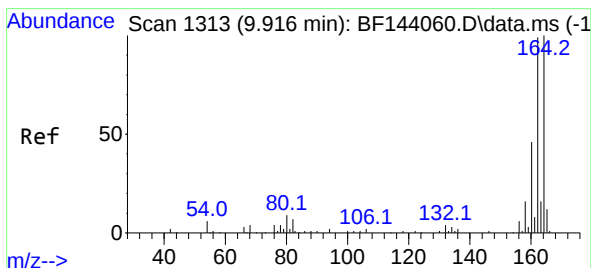
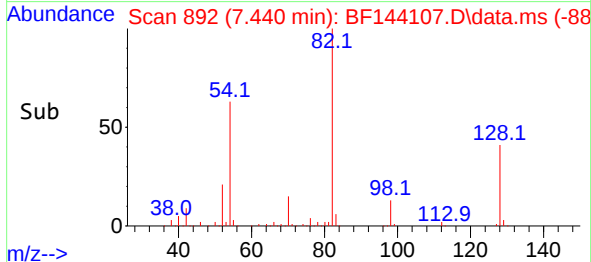
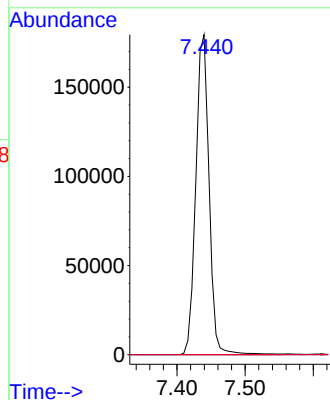
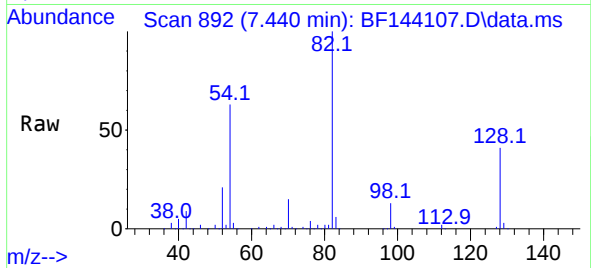




#25
Isophorone
Concen: 30.740 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

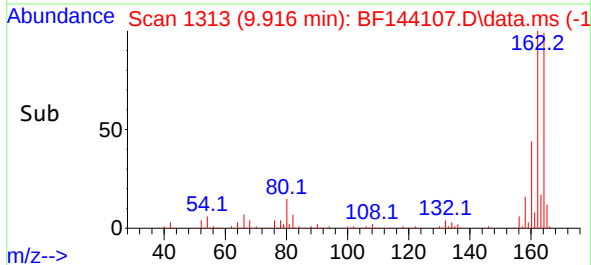
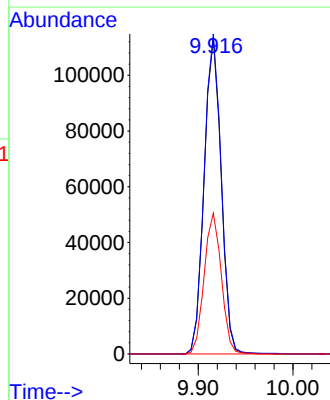
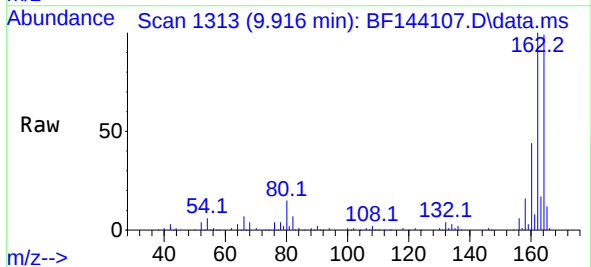
Instrument :
BNA_F
ClientSampleId :
WC-3

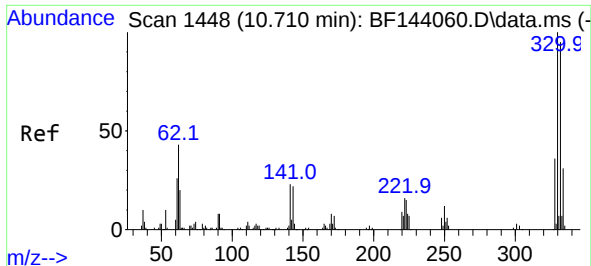
Tgt Ion: 82 Resp: 242151
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

Tgt Ion:164 Resp: 140759
Ion Ratio Lower Upper
164 100
162 101.5 79.4 119.2
160 44.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 82.657 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF144107.D

Acq: 28 Oct 2025 18:14

Instrument :

BNA_F

ClientSampleId :

WC-3

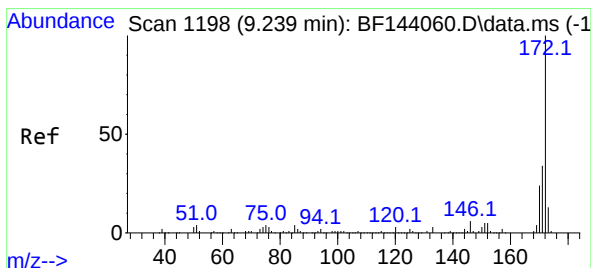
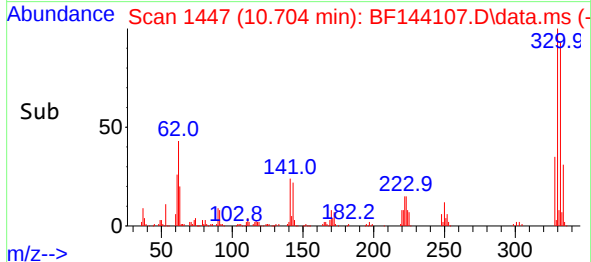
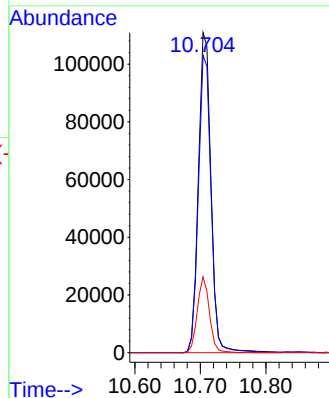
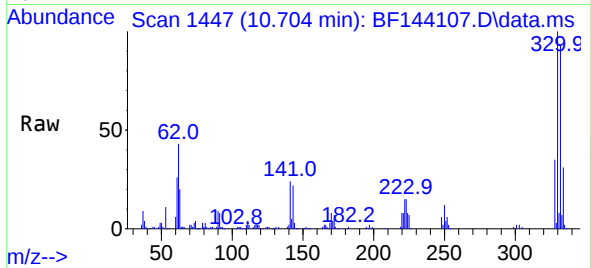
Tgt Ion:330 Resp: 148203

Ion Ratio Lower Upper

330 100

332 94.1 77.0 115.6

141 22.7 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 52.519 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144107.D

Acq: 28 Oct 2025 18:14

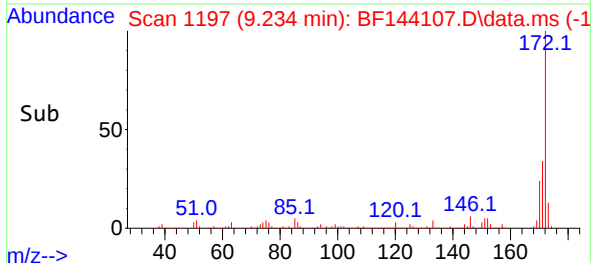
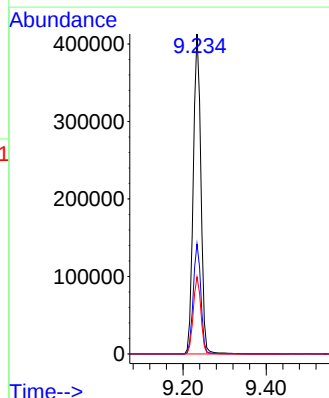
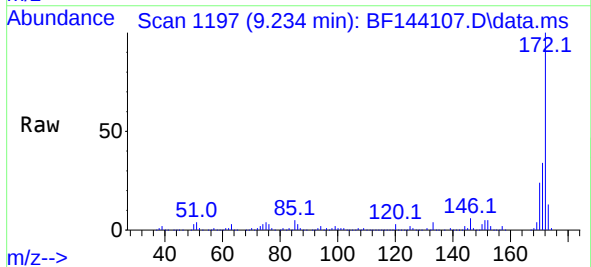
Tgt Ion:172 Resp: 525330

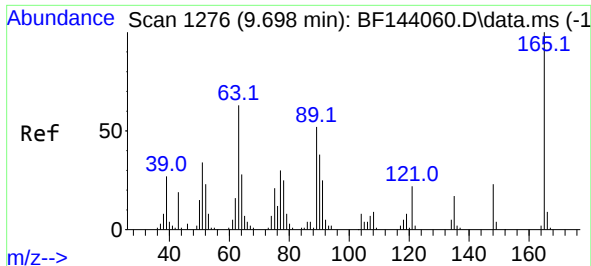
Ion Ratio Lower Upper

172 100

171 34.4 27.5 41.3

170 24.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.809 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144107.D

Acq: 28 Oct 2025 18:14

Instrument :

BNA_F

ClientSampleId :

WC-3

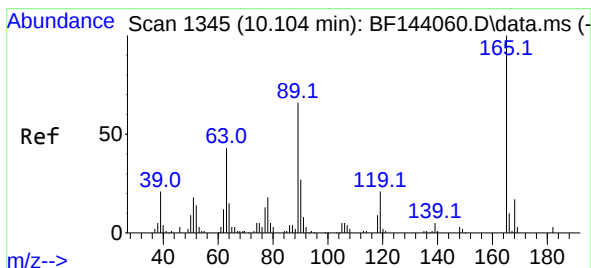
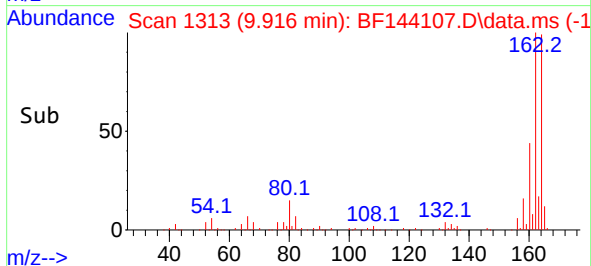
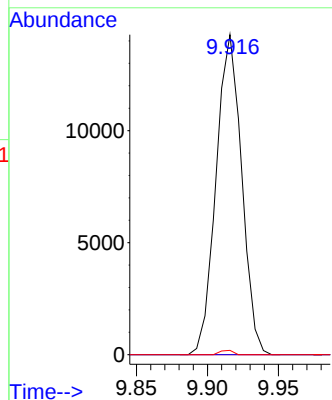
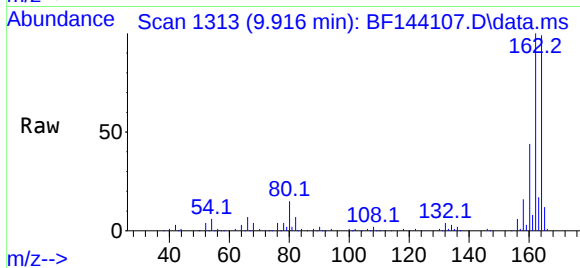
Tgt Ion:165 Resp: 17891

Ion Ratio Lower Upper

165 100

63 0.0 50.4 75.6#

89 1.3 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 7.268 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144107.D

Acq: 28 Oct 2025 18:14

Tgt Ion:165 Resp: 17891

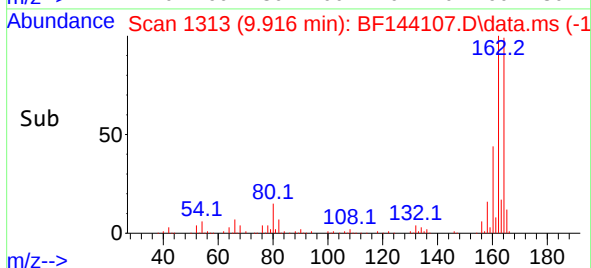
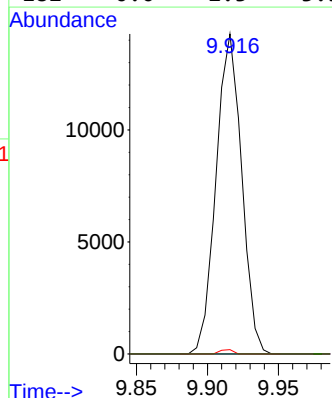
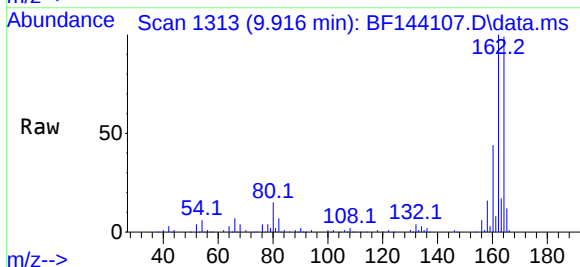
Ion Ratio Lower Upper

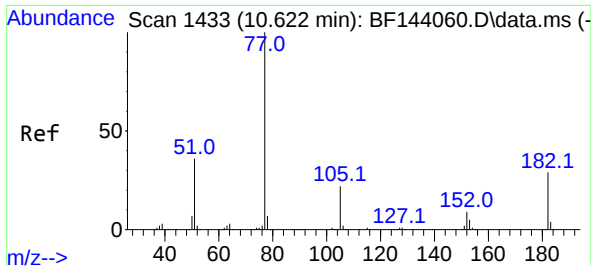
165 100

63 0.0 35.4 53.2#

89 1.3 52.7 79.1#

182 0.0 2.3 3.5#

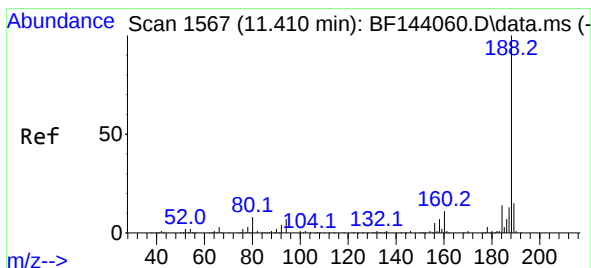
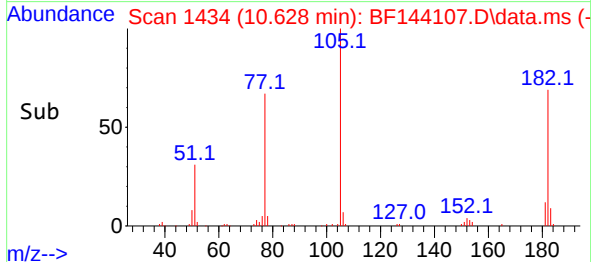
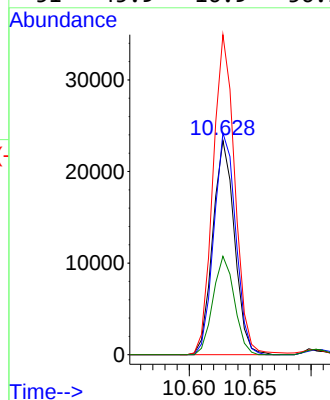
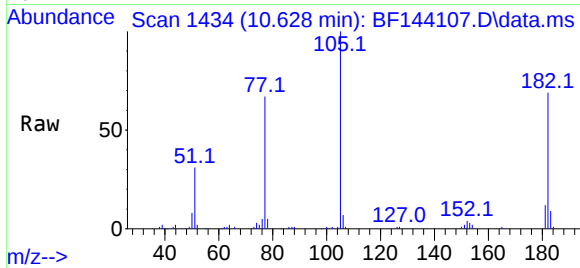




#63
Azobenzene
Concen: 3.540 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

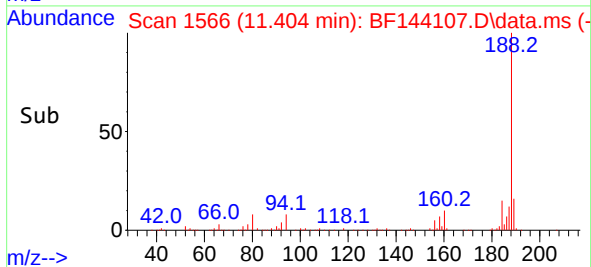
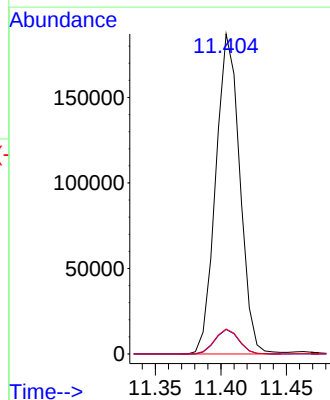
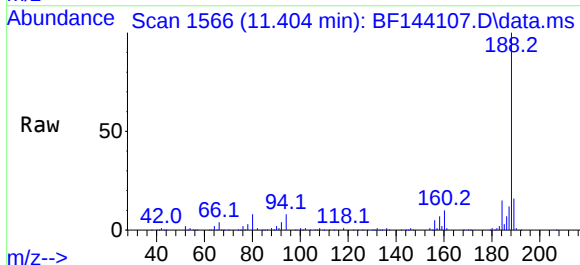
Instrument :
BNA_F
ClientSampleId :
WC-3

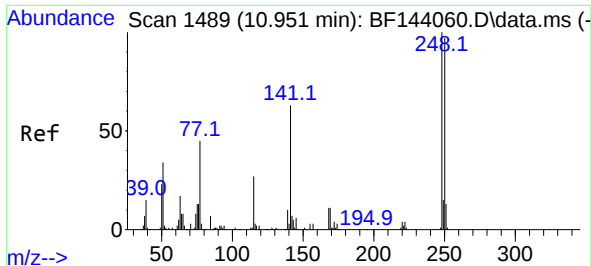
Tgt Ion: 77	Resp: 29070
Ion Ratio	Lower Upper
77 100	
182 103.5	9.0 49.0#
105 149.4	1.4 41.4#
51 45.9	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

Tgt Ion: 188	Resp: 238399
Ion Ratio	Lower Upper
188 100	
94 7.7	5.4 8.0
80 7.8	6.0 9.0

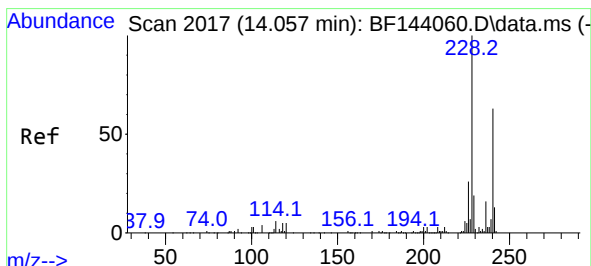
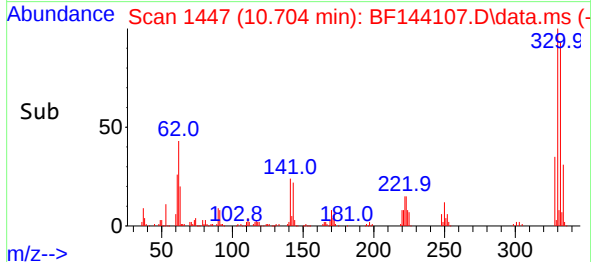
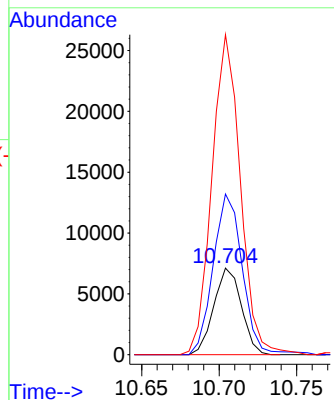
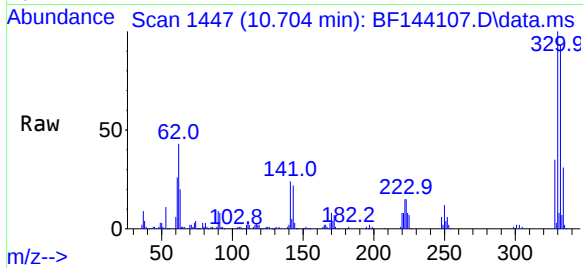




#67
4-Bromophenyl-phenylether
Concen: 2.952 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

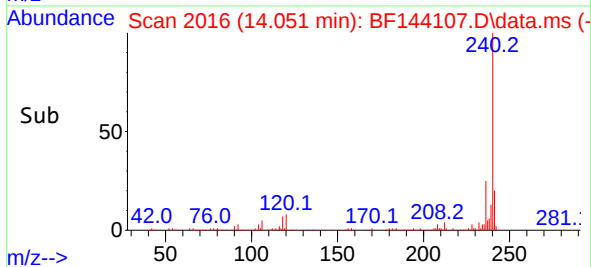
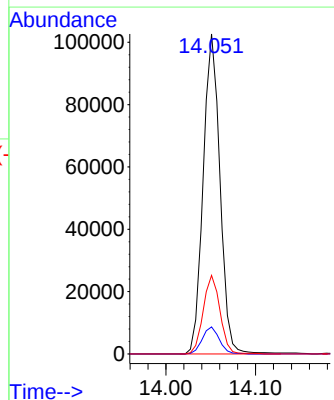
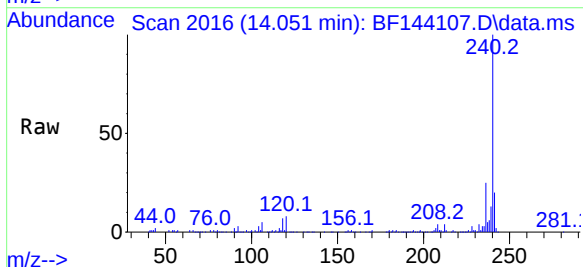
Instrument :
BNA_F
ClientSampleId :
WC-3

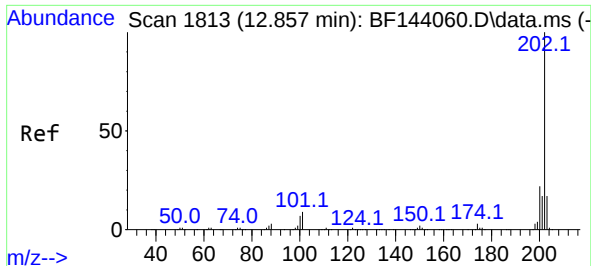
Tgt Ion:248 Resp: 8811
Ion Ratio Lower Upper
248 100
250 185.4 77.8 116.6#
141 369.4 50.5 75.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

Tgt Ion:240 Resp: 133445
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 24.6 20.1 30.1

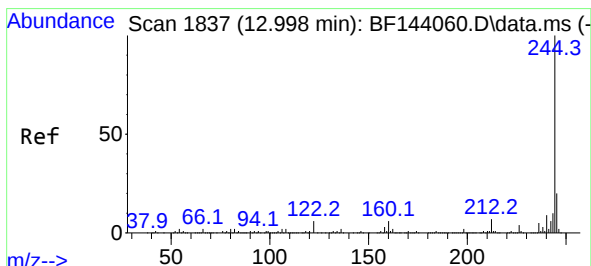
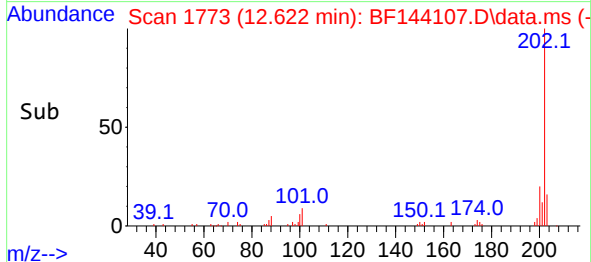
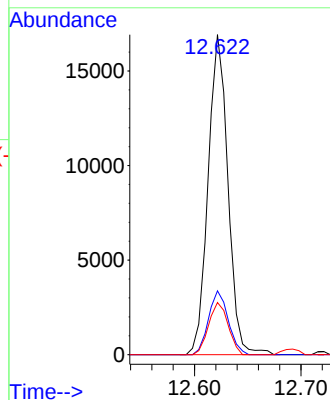
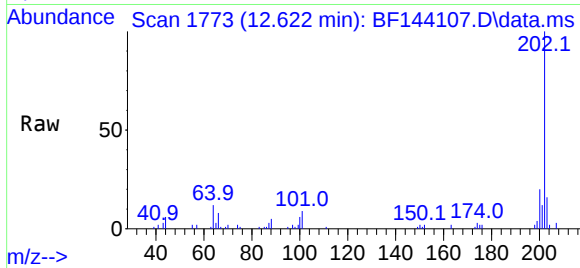




#78
Pyrene
Concen: 2.285 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.235 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

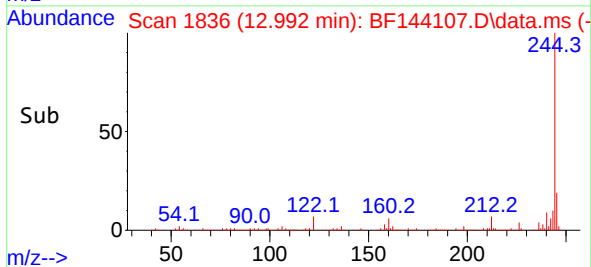
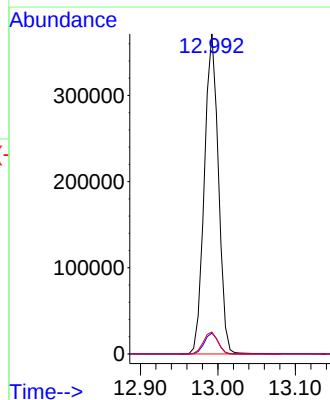
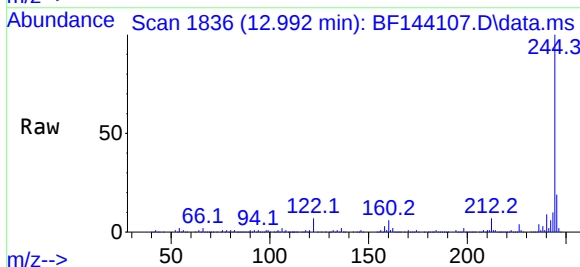
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:202 Resp: 21926
Ion Ratio Lower Upper
202 100
200 20.0 17.2 25.8
203 16.3 13.5 20.3

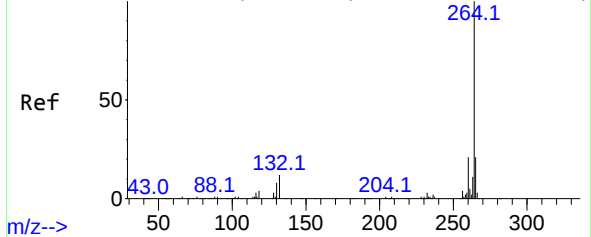


#79
Terphenyl-d14
Concen: 61.303 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144107.D
Acq: 28 Oct 2025 18:14

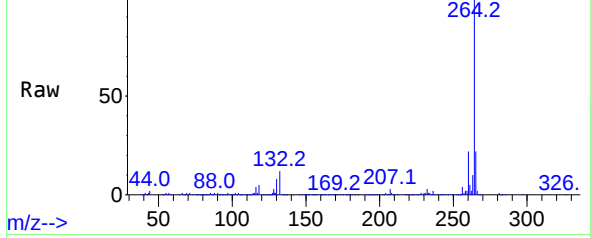
Tgt Ion:244 Resp: 467936
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 6.9 4.9 7.3



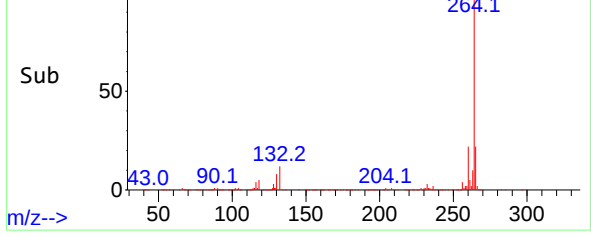
Abundance Scan 2269 (15.539 min): BF144060.D\data.ms (-



m/z--> Abundance Scan 2268 (15.533 min): BF144107.D\data.ms



m/z--> Abundance Scan 2268 (15.533 min): BF144107.D\data.ms (-



m/z-->

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144107.D

Acq: 28 Oct 2025 18:14

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:264 Resp: 180144

Ion Ratio Lower Upper

264 100

260 22.2 17.0 25.4

265 22.3 16.6 24.8

Abundance

