

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144104.D
 Acq On : 28 Oct 2025 16:44
 Operator : RC/JU
 Sample : Q3395-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S09-000051-20251017

Quant Time: Oct 28 17:04:37 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)

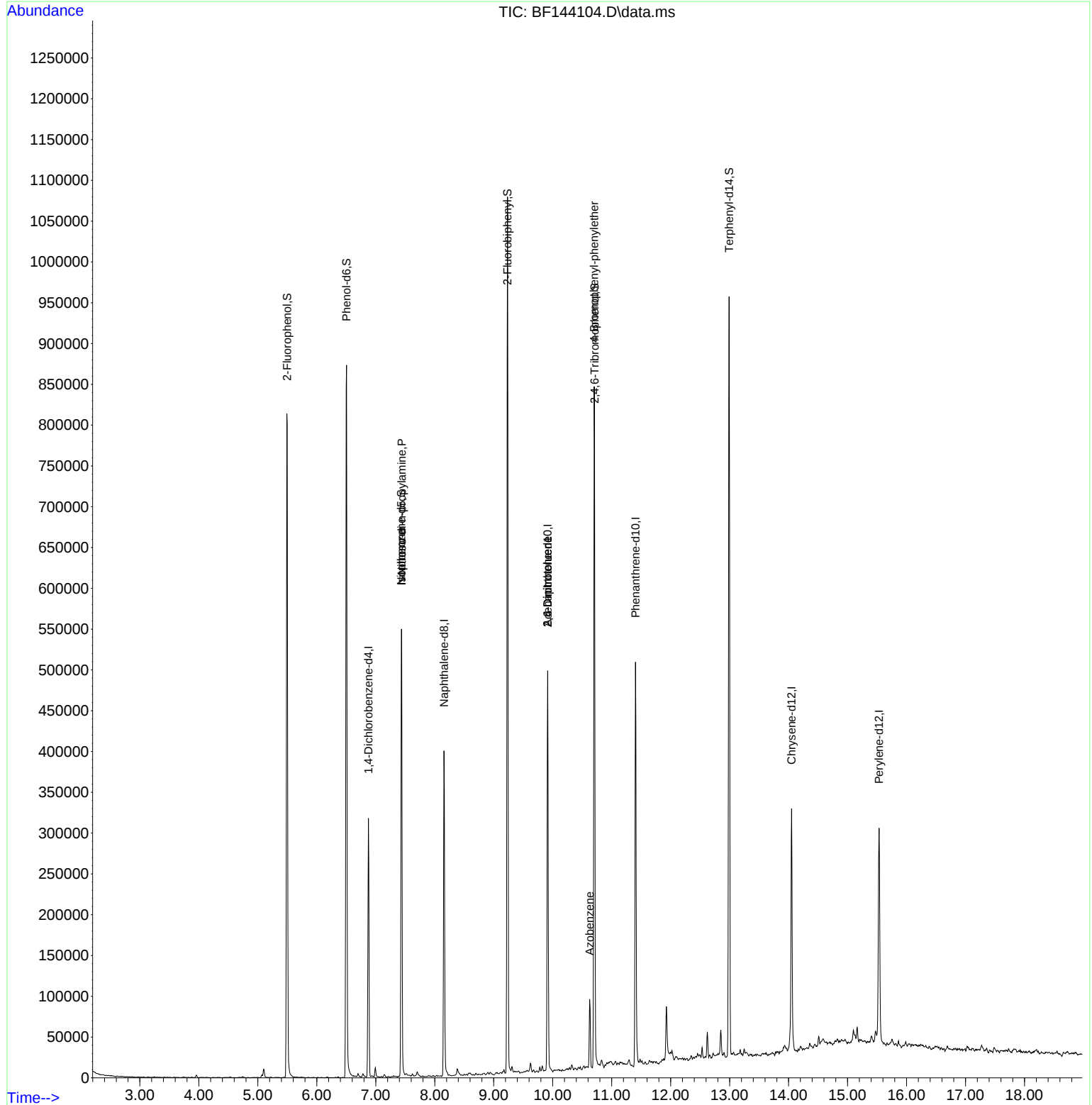
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63386	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	253842	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	151776	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	266957	20.000	ng	0.00
76) Chrysene-d12	14.051	240	148535	20.000	ng	0.00
86) Perylene-d12	15.533	264	172792	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	312272	77.943	ng	0.00
7) Phenol-d6	6.504	99	371465	83.953	ng	0.00
23) Nitrobenzene-d5	7.434	82	236068	50.951	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	167419	86.596	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	490211	45.451	ng	0.00
79) Terphenyl-d14	12.992	244	479294	56.412	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	36403	12.723	ng	# 69
25) Isophorone	7.434	82	236066	29.143	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19725	10.029	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	19725	7.431	ng	# 25
63) Azobenzene	10.628	77	20333	2.296	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	9308	2.785	ng	# 1

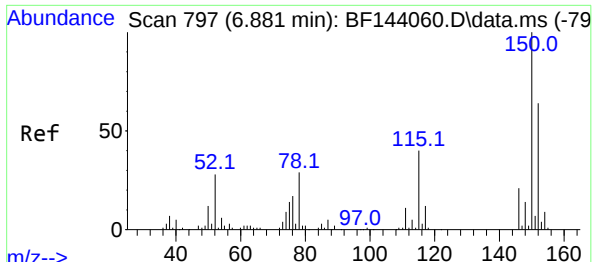
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PR132-S09-000051-20251017

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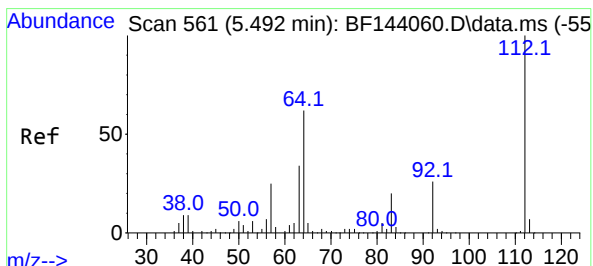
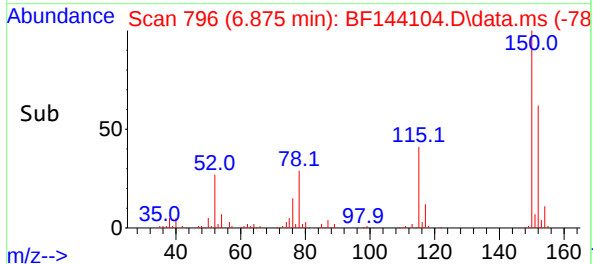
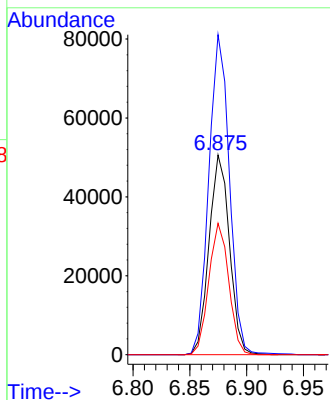
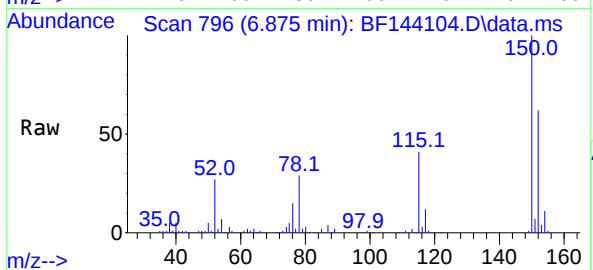




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

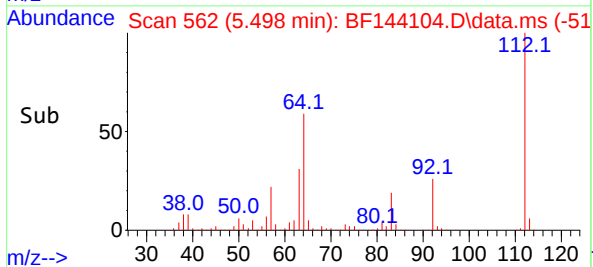
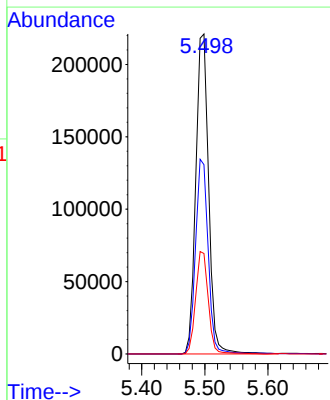
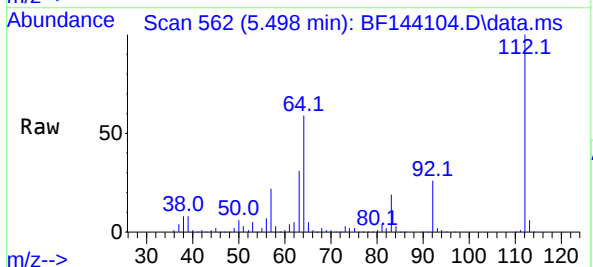
Instrument :
BNA_F
ClientSampleId :
PR132-S09-000051-20251017

Tgt Ion:152 Resp: 63386
Ion Ratio Lower Upper
152 100
150 160.3 124.4 186.6
115 65.8 49.4 74.0



#5
2-Fluorophenol
Concen: 77.943 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Tgt Ion:112 Resp: 312272
Ion Ratio Lower Upper
112 100
64 59.1 49.8 74.8
63 31.4 27.4 41.2

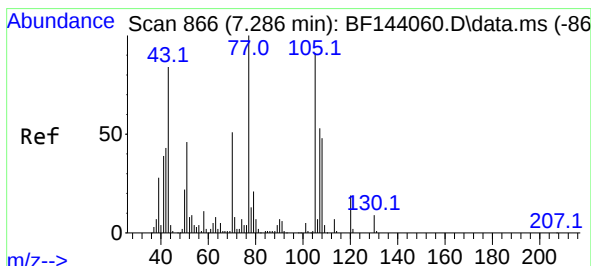
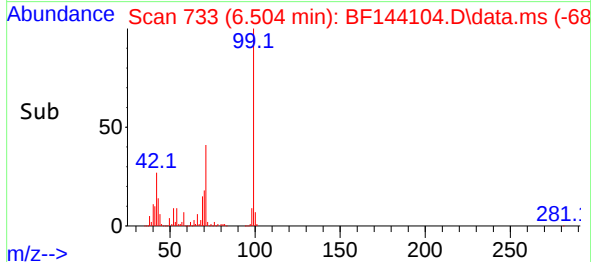
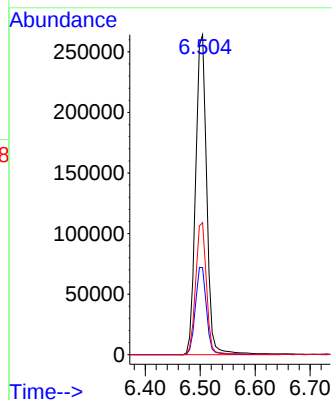
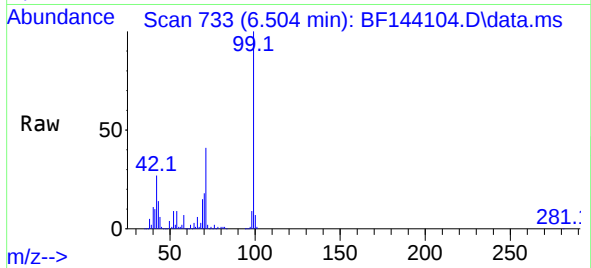




#7
Phenol-d6
Concen: 83.953 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

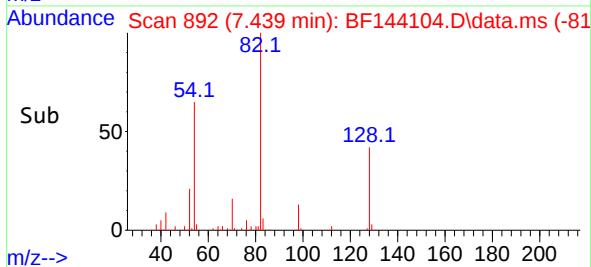
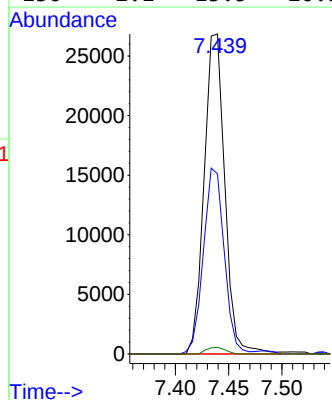
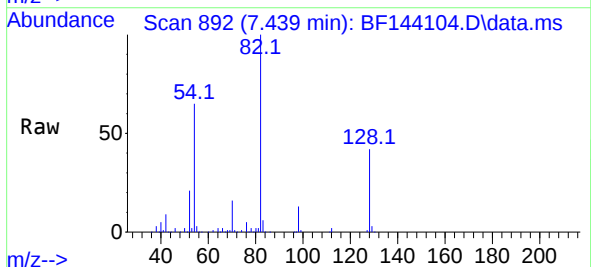
Instrument :
BNA_F
ClientSampleId :
PR132-S09-000051-20251017

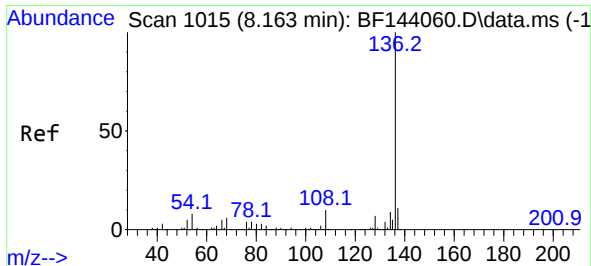
Tgt Ion: 99 Resp: 371465
Ion Ratio Lower Upper
99 100
42 27.2 23.9 35.9
71 41.3 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.723 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Tgt Ion: 70 Resp: 36403
Ion Ratio Lower Upper
70 100
42 56.3 67.4 101.0#
101 0.0 7.1 10.7#
130 2.1 13.5 20.3#

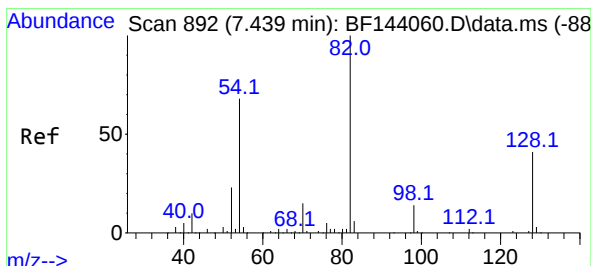
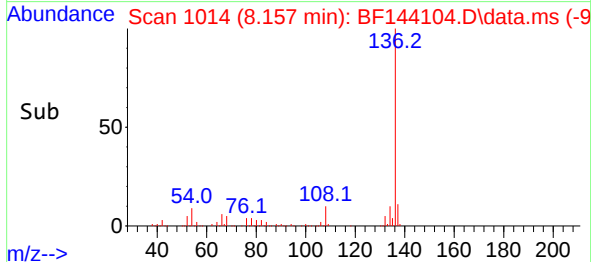
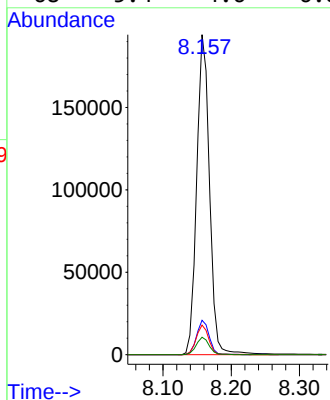
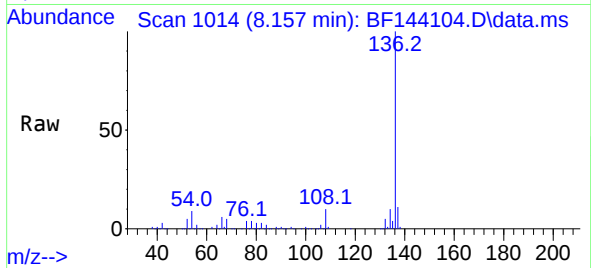




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

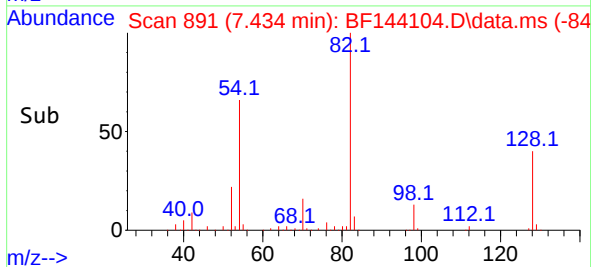
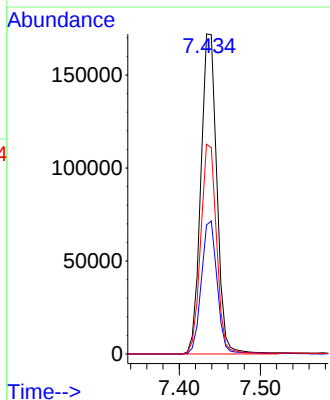
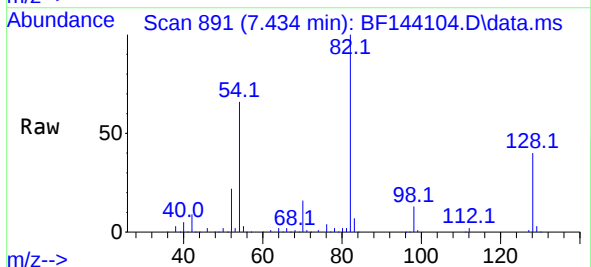
Instrument :
BNA_F
ClientSampleId :
PR132-S09-000051-20251017

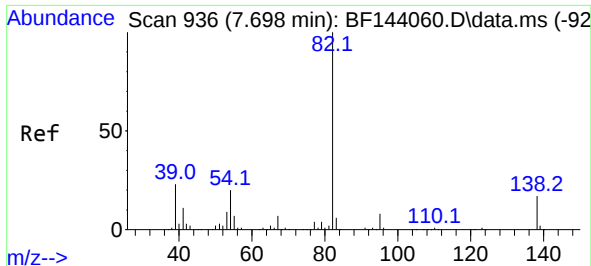
Tgt Ion:136 Resp: 253842
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 6.6 9.8
68 5.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 50.951 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Tgt Ion: 82 Resp: 236068
Ion Ratio Lower Upper
82 100
128 40.3 32.4 48.6
54 65.5 54.0 81.0

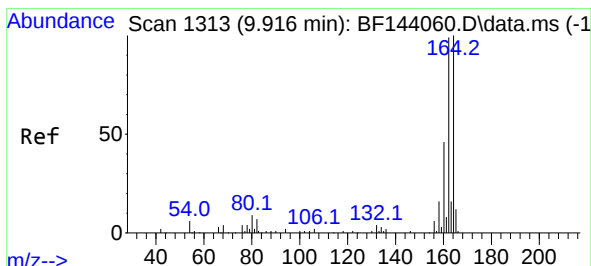
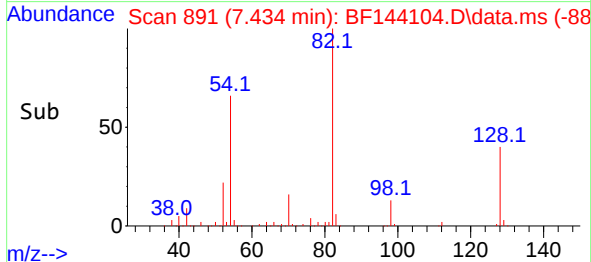
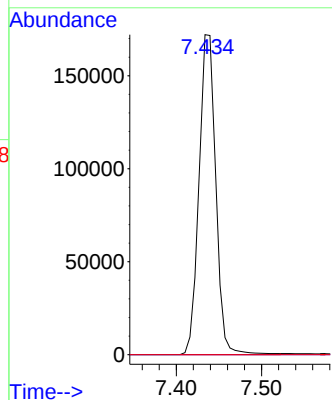
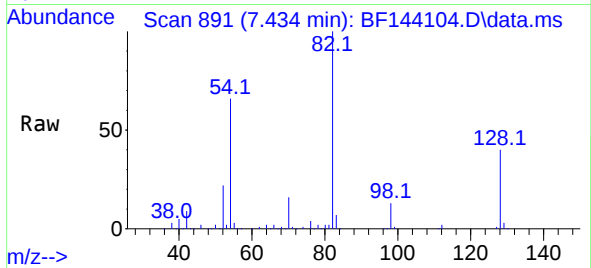




#25
Isophorone
Concen: 29.143 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

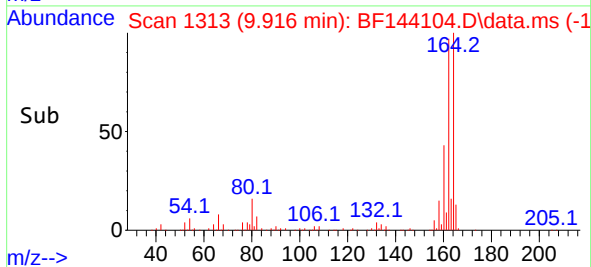
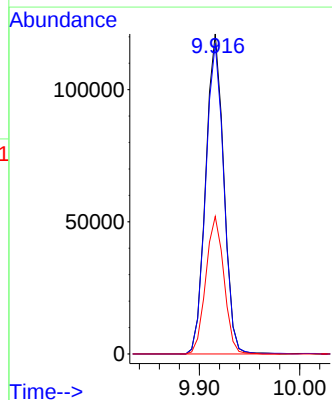
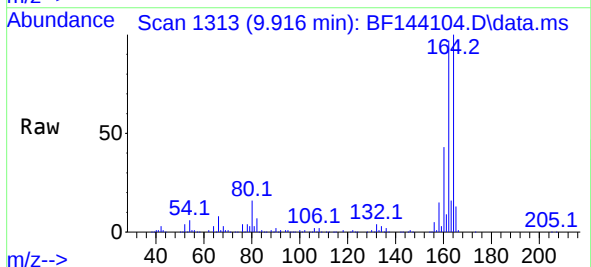
Instrument :
BNA_F
ClientSampleId :
PR132-S09-000051-20251017

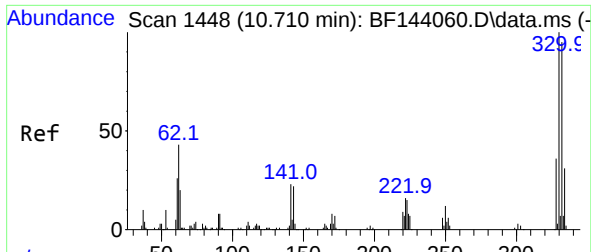
Tgt Ion: 82 Resp: 236066
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Tgt Ion:164 Resp: 151776
Ion Ratio Lower Upper
164 100
162 97.1 79.4 119.2
160 43.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 86.596 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144104.D

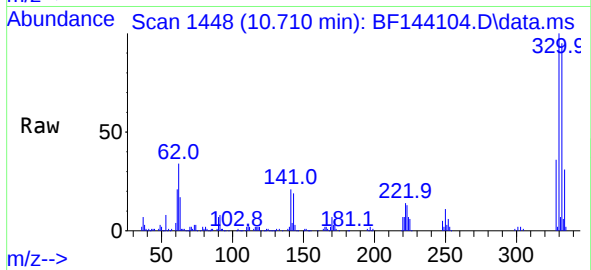
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Instrument :

BNA_F

ClientSampleId :

PR132-S09-000051-20251017



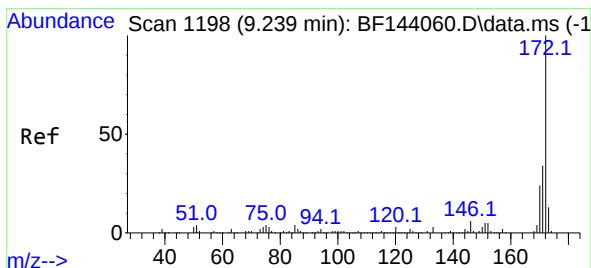
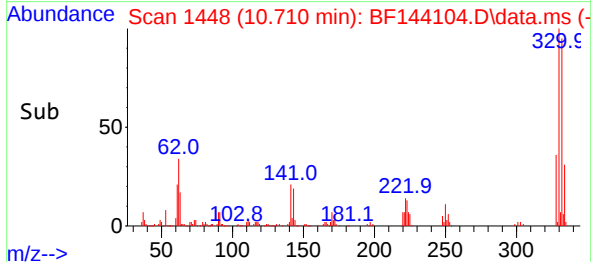
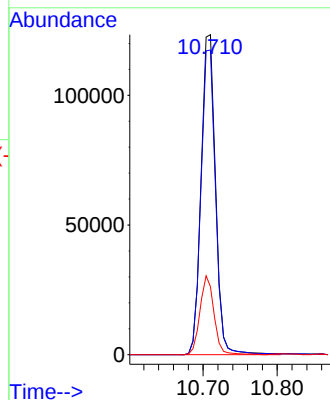
Tgt Ion:330 Resp: 167419

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 23.8 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 45.451 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144104.D

Acq: 28 Oct 2025 16:44

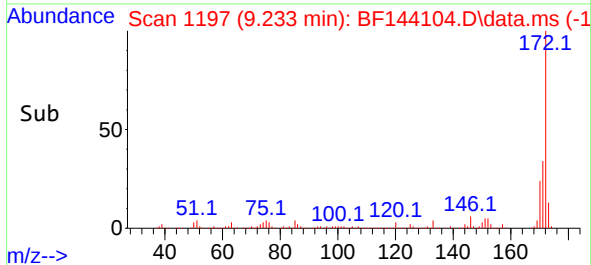
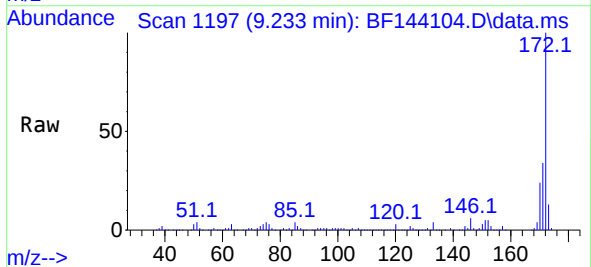
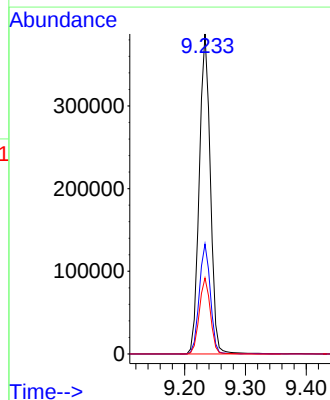
Tgt Ion:172 Resp: 490211

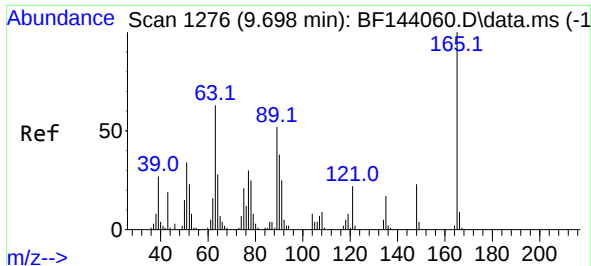
Ion Ratio Lower Upper

172 100

171 34.4 27.5 41.3

170 23.7 19.0 28.6

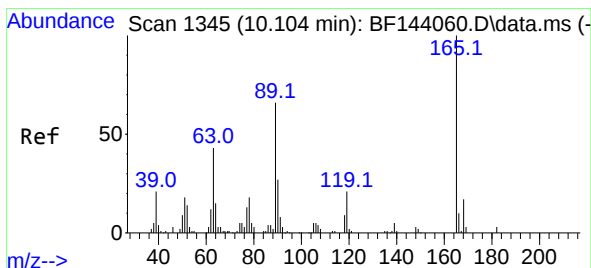
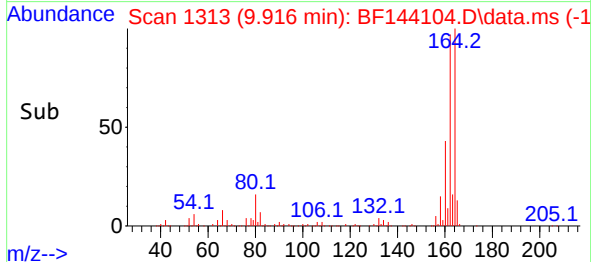
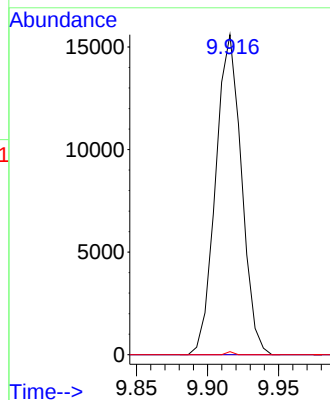
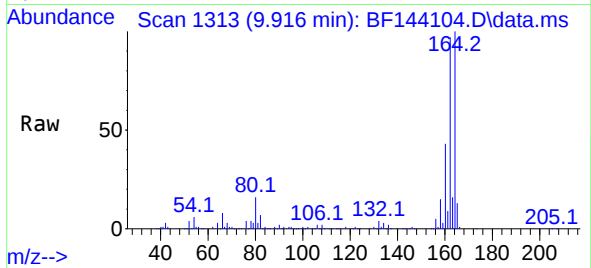




#51
2,6-Dinitrotoluene
Concen: 10.029 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

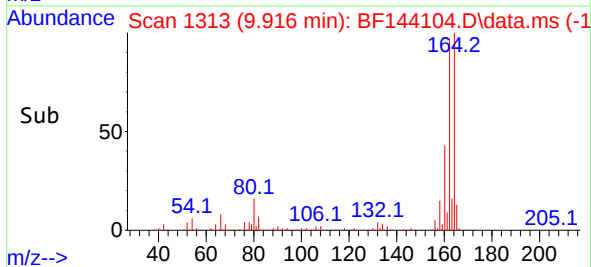
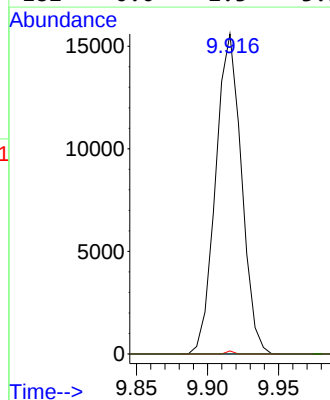
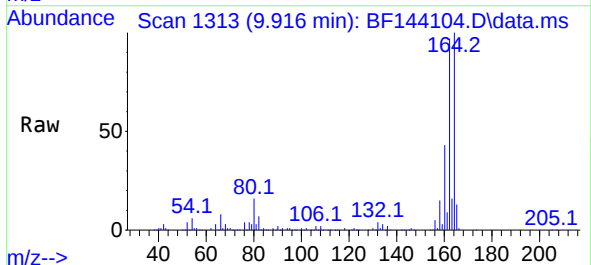
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PR132-S09-000051-20251017

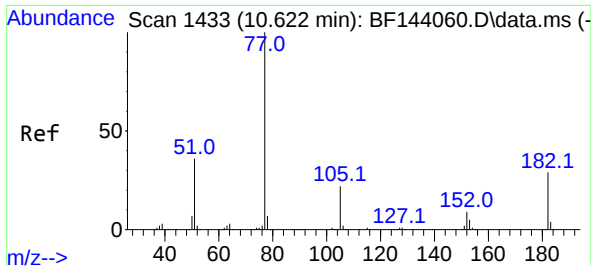
Tgt Ion:165 Resp: 19725
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 1.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.431 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Tgt Ion:165 Resp: 19725
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 1.0 52.7 79.1#
182 0.0 2.3 3.5#



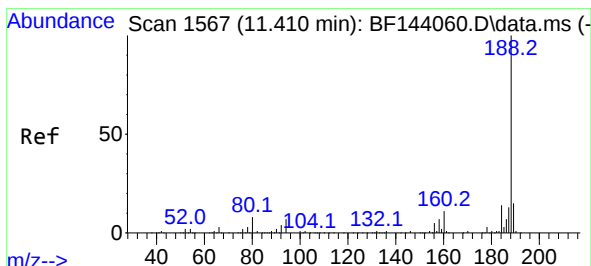
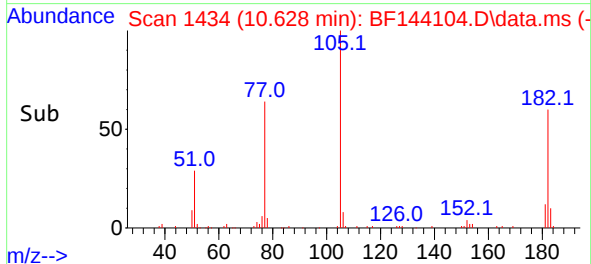
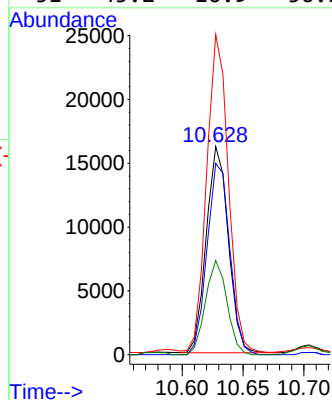
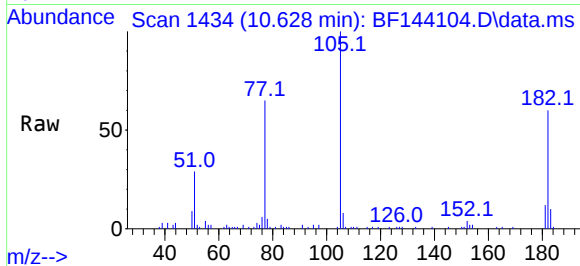


#63
Azobenzene
Concen: 2.296 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Instrument :
BNA_F
ClientSampleId :
PR132-S09-000051-20251017

Tgt Ion: 77 Resp: 20333

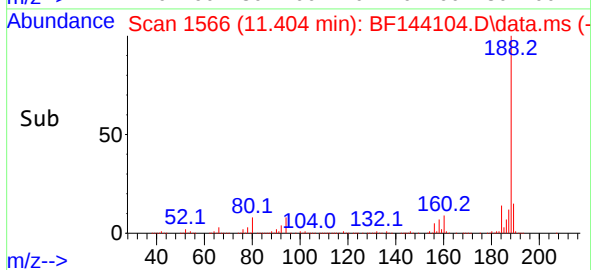
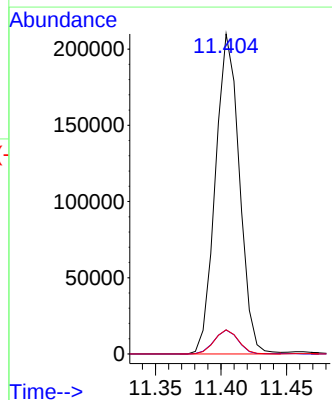
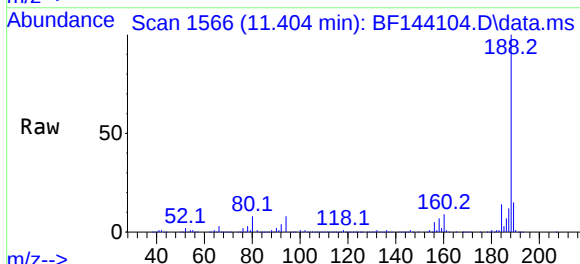
Ion	Ratio	Lower	Upper
77	100		
182	91.8	9.0	49.0#
105	153.7	1.4	41.4#
51	45.2	16.9	56.9

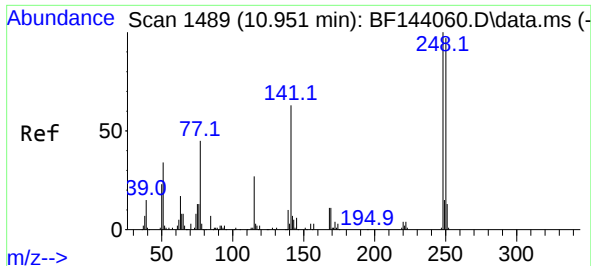


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Tgt Ion: 188 Resp: 266957

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.4	8.0
80	7.6	6.0	9.0

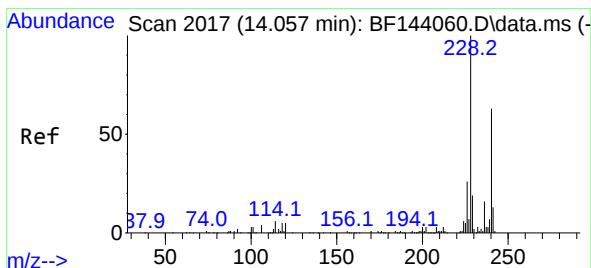
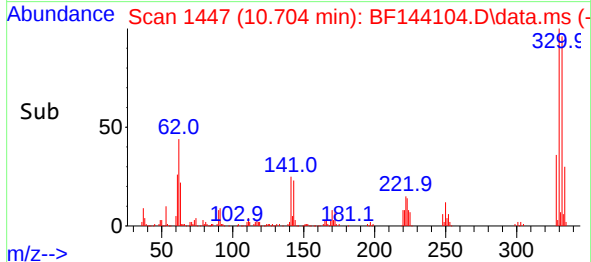
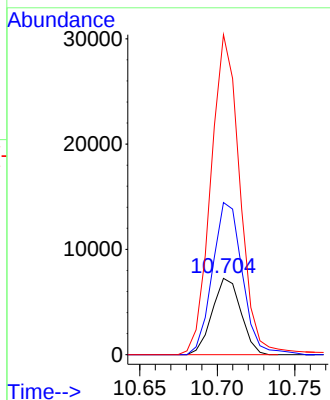
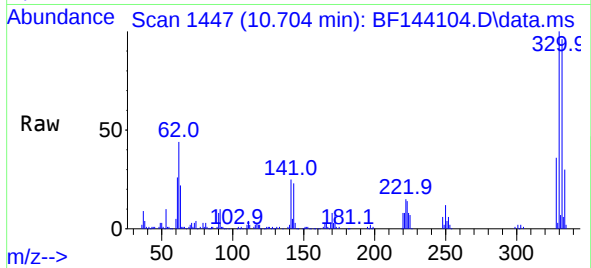




#67
4-Bromophenyl-phenylether
Concen: 2.785 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

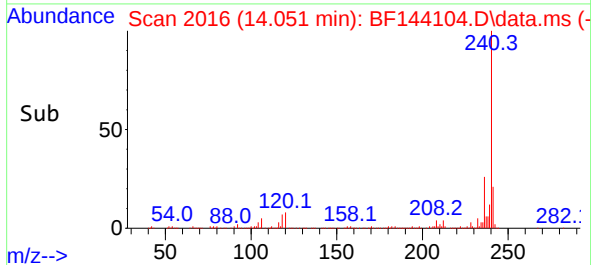
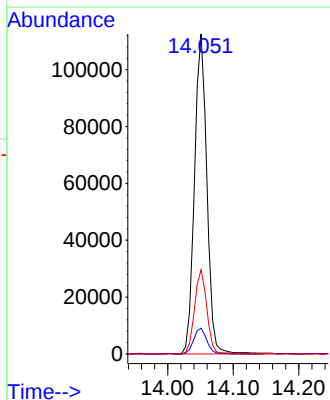
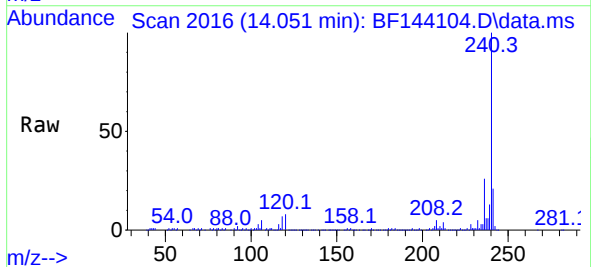
Instrument :
BNA_F
ClientSampleId :
PR132-S09-000051-20251017

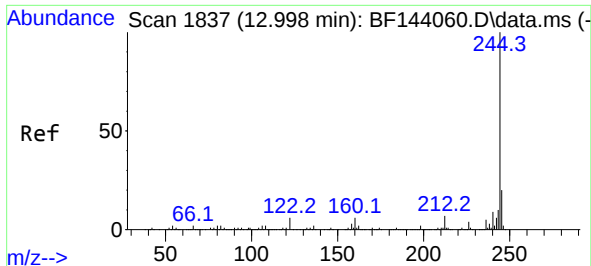
Tgt Ion:248 Resp: 9308
Ion Ratio Lower Upper
248 100
250 199.1 77.8 116.6#
141 418.9 50.5 75.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Tgt Ion:240 Resp: 148535
Ion Ratio Lower Upper
240 100
120 8.0 6.5 9.7
236 26.3 20.1 30.1

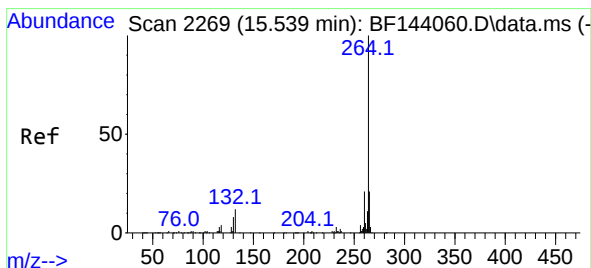
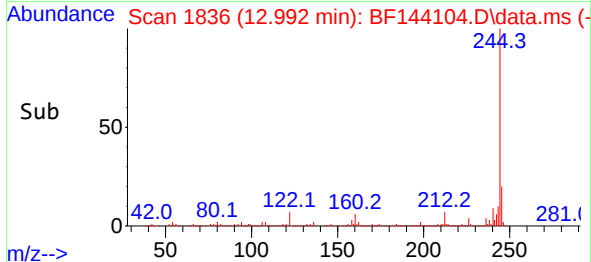
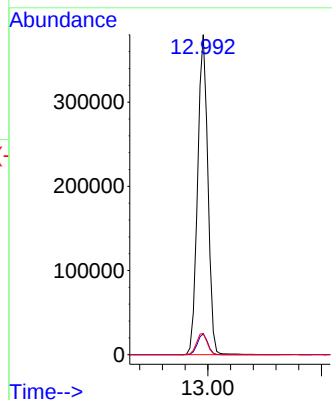
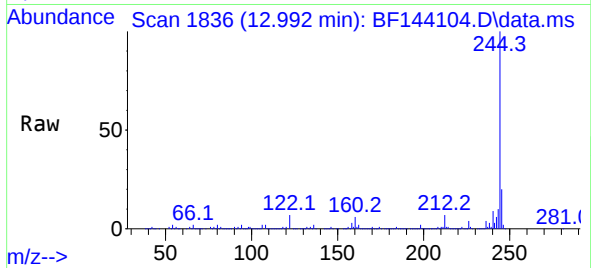




#79
Terphenyl-d14
Concen: 56.412 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Instrument :
BNA_F
ClientSampleId :
PR132-S09-000051-20251017

Tgt Ion:244 Resp: 479294
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.6
122 6.6 4.9 7.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF144104.D
Acq: 28 Oct 2025 16:44

Tgt Ion:264 Resp: 172792
Ion Ratio Lower Upper
264 100
260 23.0 17.0 25.4
265 20.8 16.6 24.8

