

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144101.D
 Acq On : 28 Oct 2025 15:16
 Operator : RC/JU
 Sample : Q3424-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-DP3-20251021

Quant Time: Oct 28 15:35:25 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)

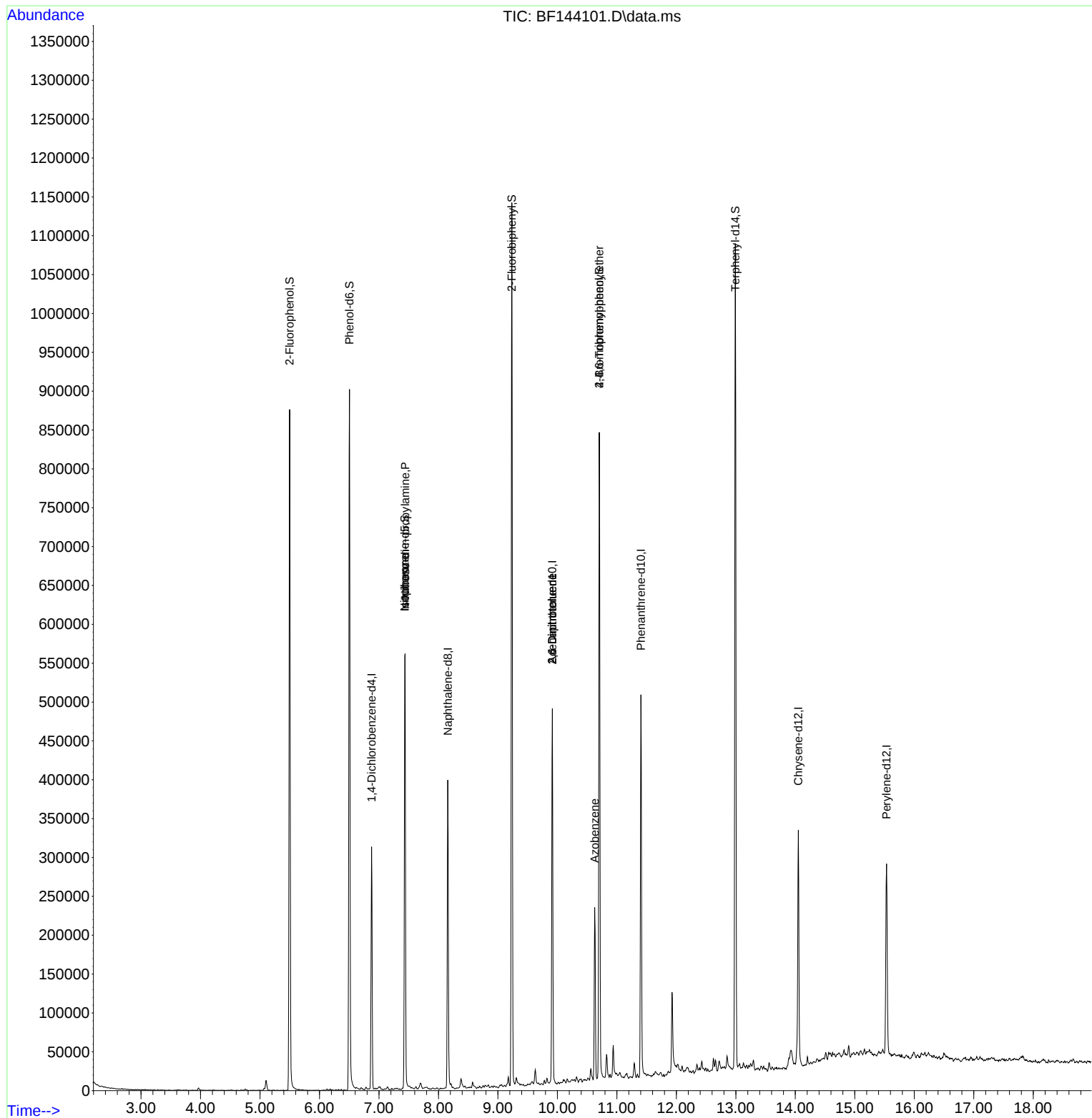
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	64932	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	250445	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	146834	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	261219	20.000	ng	0.00
76) Chrysene-d12	14.051	240	153054	20.000	ng	0.00
86) Perylene-d12	15.533	264	162396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	324922	79.169	ng	0.00
7) Phenol-d6	6.504	99	382363	84.359	ng	0.00
23) Nitrobenzene-d5	7.434	82	245027	53.602	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	168953	90.331	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	514180	49.278	ng	0.00
79) Terphenyl-d14	12.992	244	550354	62.863	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	38121	13.006	ng	# 72
25) Isophorone	7.434	82	245025	30.659	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19089	10.033	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	19089	7.433	ng	# 25
63) Azobenzene	10.628	77	53337	6.226	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	9529	2.914	ng	# 1

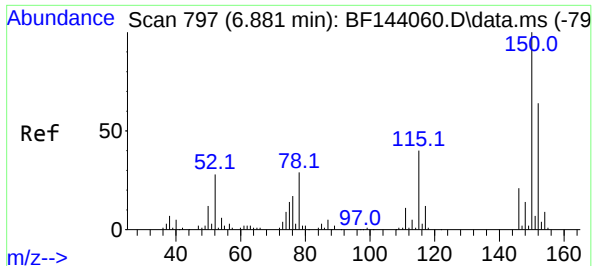
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

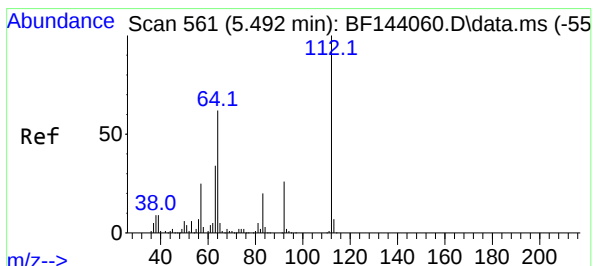
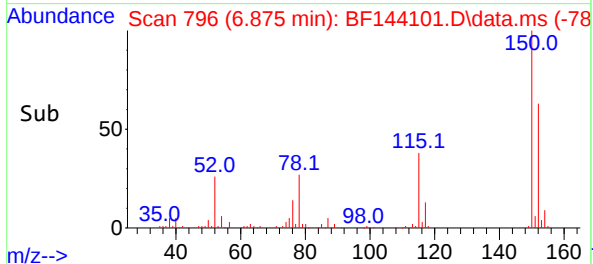
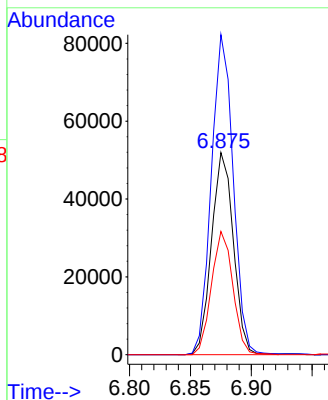
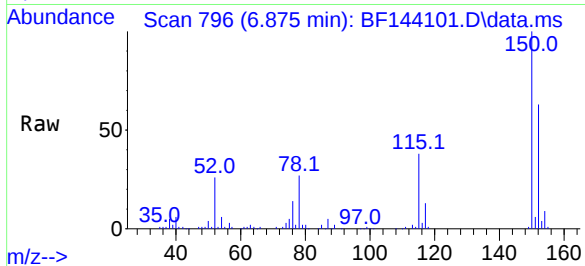




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

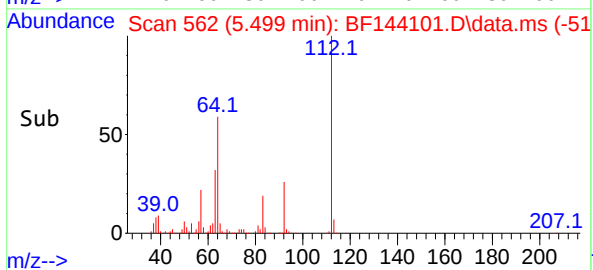
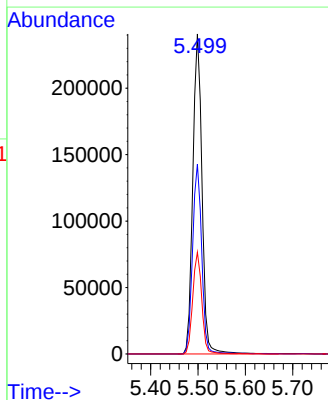
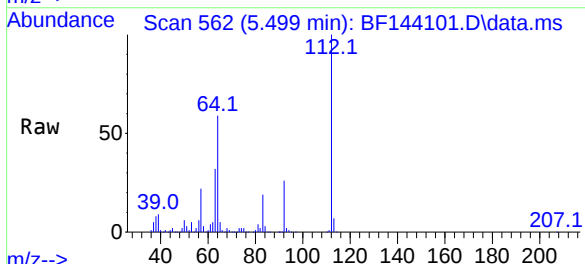
Instrument :
BNA_F
ClientSampleId :
PR132-DP3-20251021

Tgt Ion:152 Resp: 64932
Ion Ratio Lower Upper
152 100
150 158.3 124.4 186.6
115 60.9 49.4 74.0



#5
2-Fluorophenol
Concen: 79.169 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

Tgt Ion:112 Resp: 324922
Ion Ratio Lower Upper
112 100
64 59.3 49.8 74.8
63 31.8 27.4 41.2

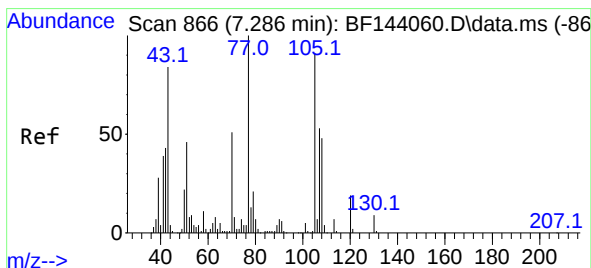
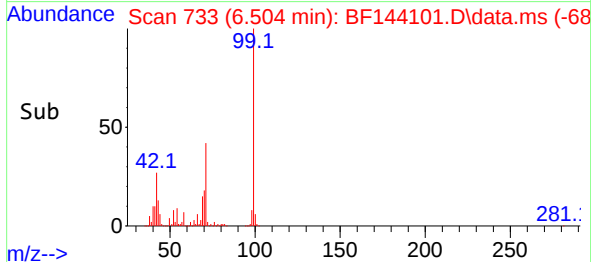
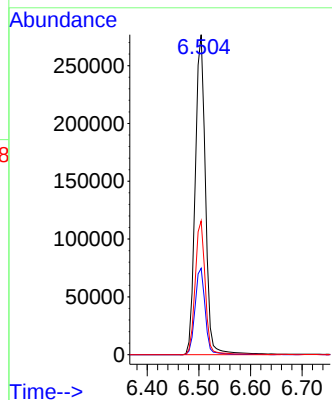
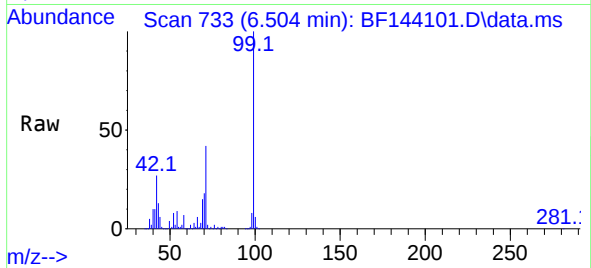




#7
Phenol-d6
Concen: 84.359 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

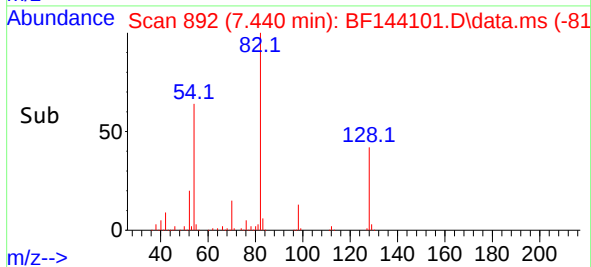
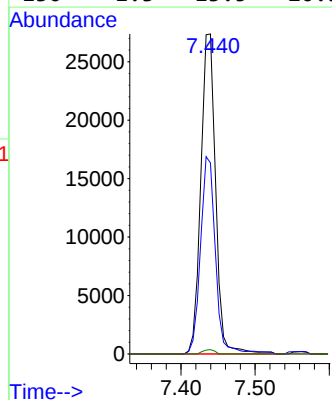
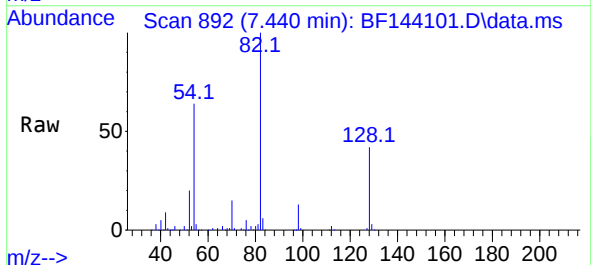
Instrument :
BNA_F
ClientSampleId :
PR132-DP3-20251021

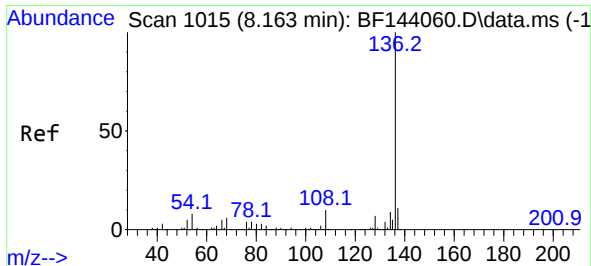
Tgt Ion: 99 Resp: 382363
Ion Ratio Lower Upper
99 100
42 27.0 23.9 35.9
71 41.8 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.006 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

Tgt Ion: 70 Resp: 38121
Ion Ratio Lower Upper
70 100
42 59.7 67.4 101.0#
101 0.0 7.1 10.7#
130 1.3 13.5 20.3#

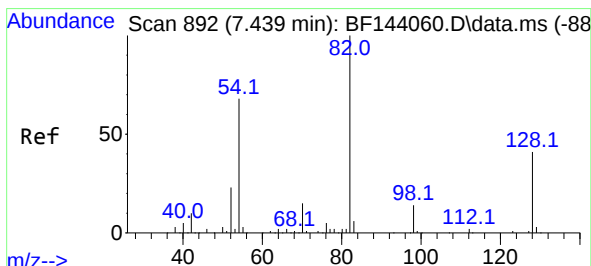
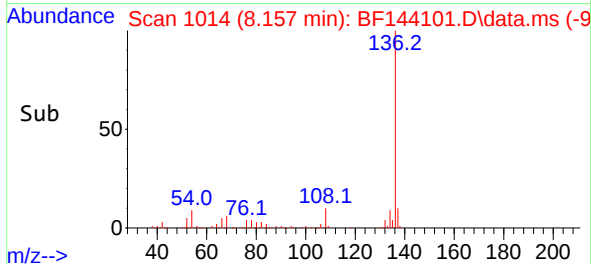
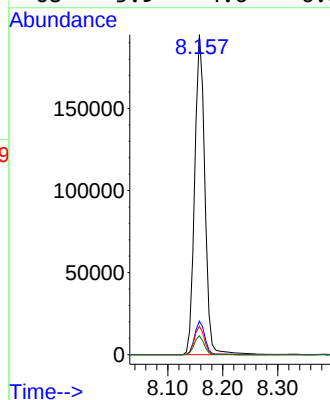
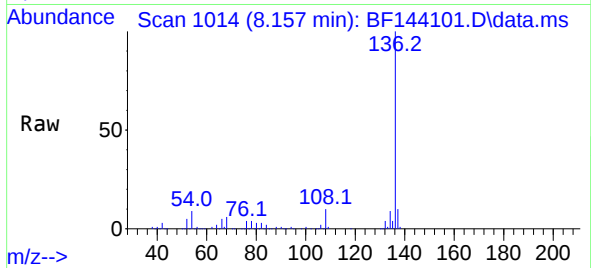




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

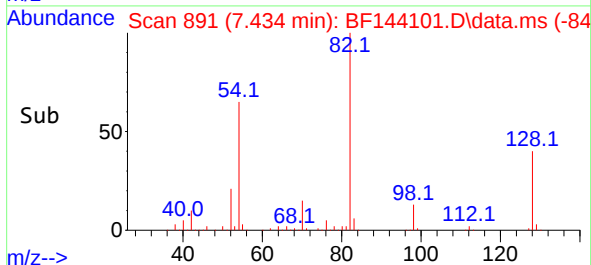
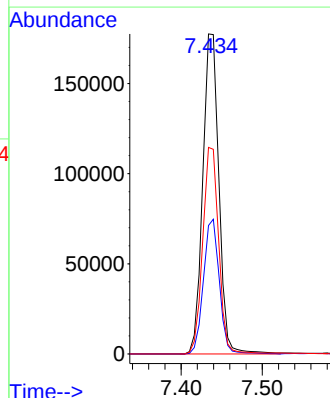
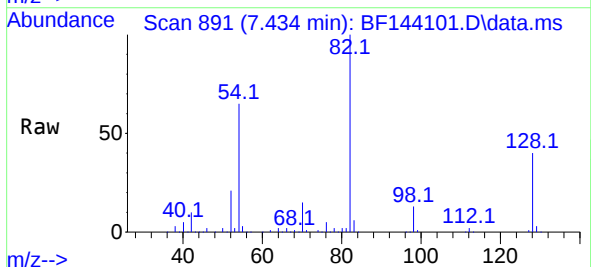
Instrument :
BNA_F
ClientSampleId :
PR132-DP3-20251021

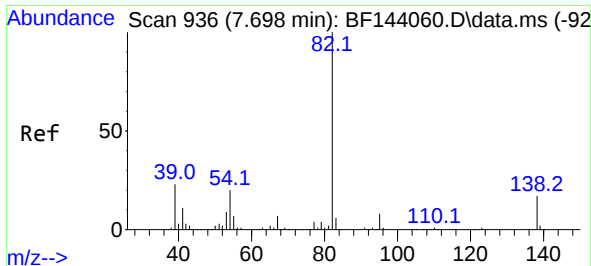
Tgt Ion:136 Resp: 250445
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.9 6.6 9.8
68 5.9 4.6 6.8



#23
Nitrobenzene-d5
Concen: 53.602 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

Tgt Ion: 82 Resp: 245027
Ion Ratio Lower Upper
82 100
128 40.2 32.4 48.6
54 64.6 54.0 81.0

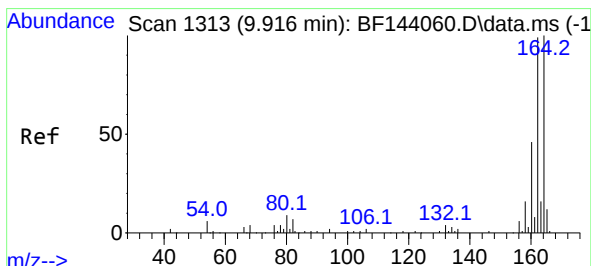
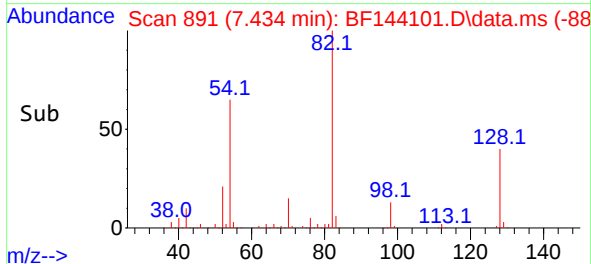
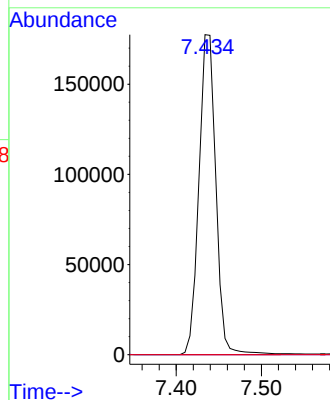
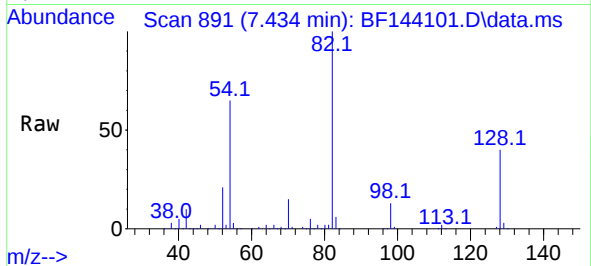




#25
Isophorone
Concen: 30.659 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.264 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

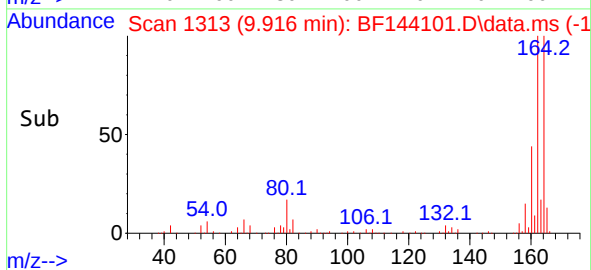
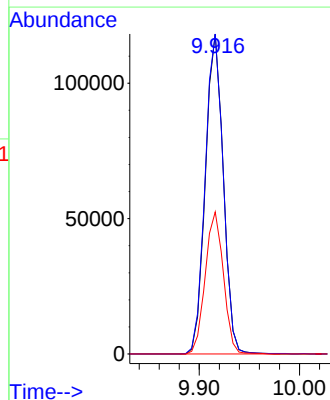
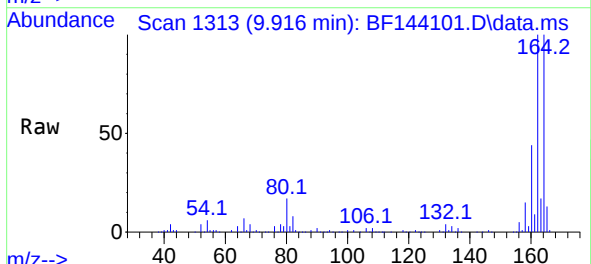
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ClientSampleId :
PR132-DP3-20251021

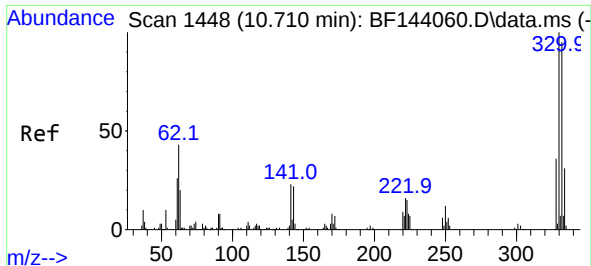
Tgt Ion: 82 Resp: 245025
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

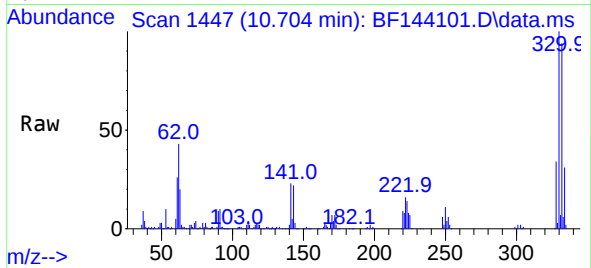
Tgt Ion:164 Resp: 146834
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.2
160 44.5 36.7 55.1



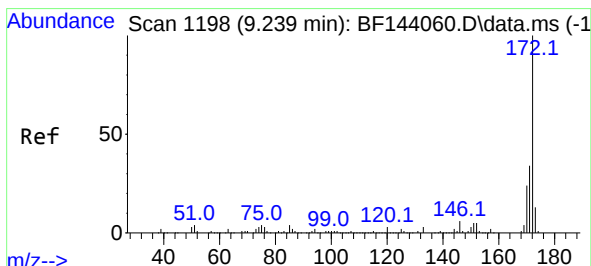
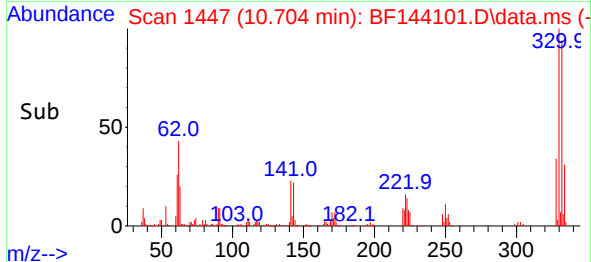
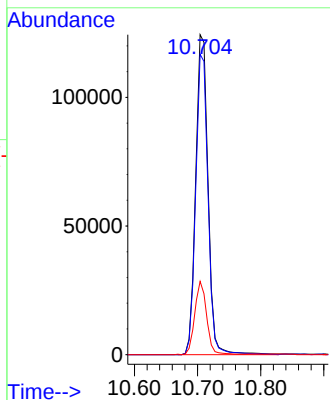


#42
2,4,6-Tribromophenol
Concen: 90.331 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

Instrument :
BNA_F
ClientSampleId :
PR132-DP3-20251021

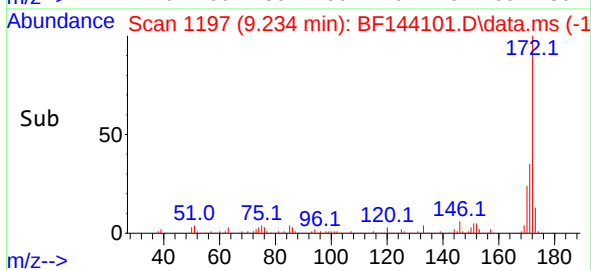
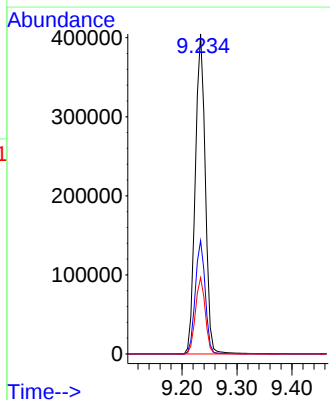
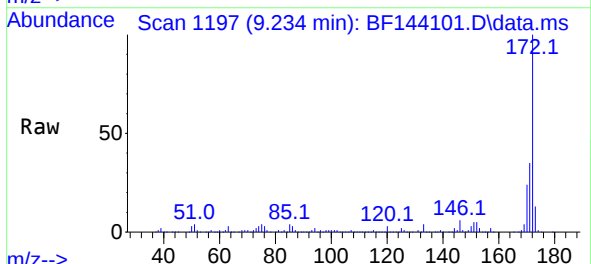


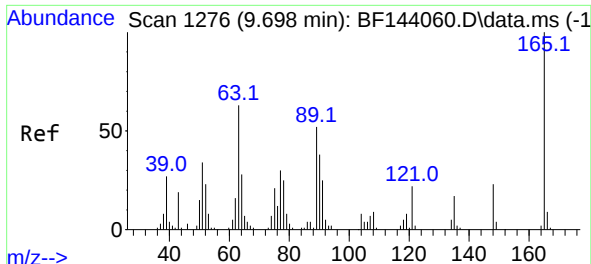
Tgt Ion:330 Resp: 168953
Ion Ratio Lower Upper
330 100
332 93.4 77.0 115.6
141 22.1 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 49.278 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

Tgt Ion:172 Resp: 514180
Ion Ratio Lower Upper
172 100
171 35.4 27.5 41.3
170 23.9 19.0 28.6

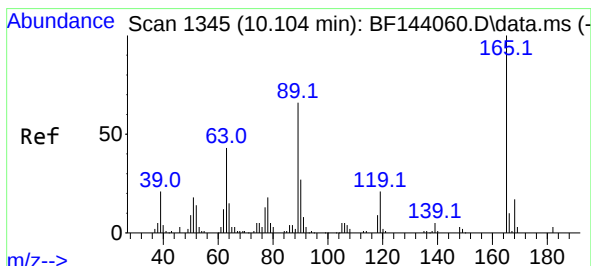
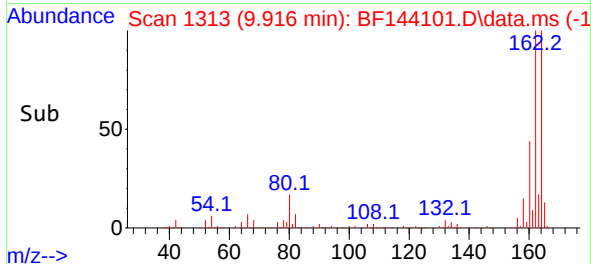
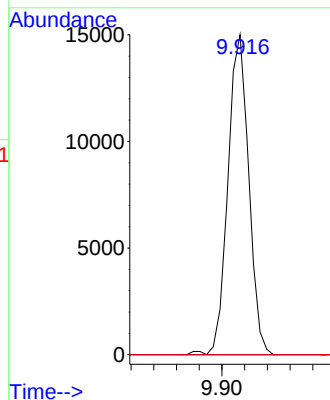
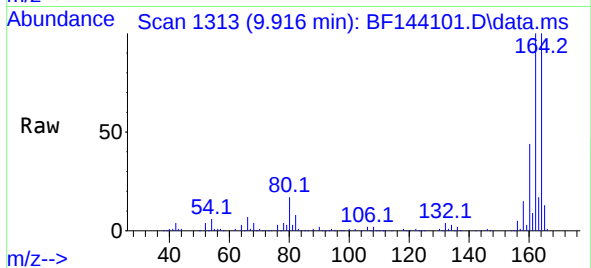




#51
2,6-Dinitrotoluene
Concen: 10.033 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

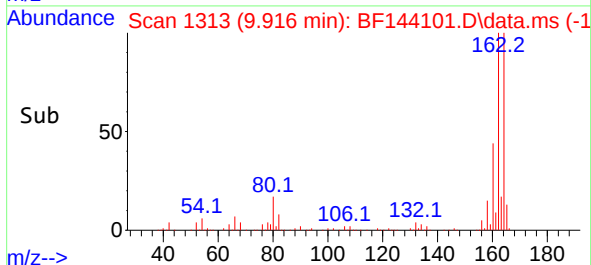
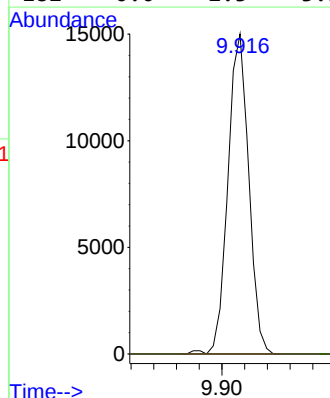
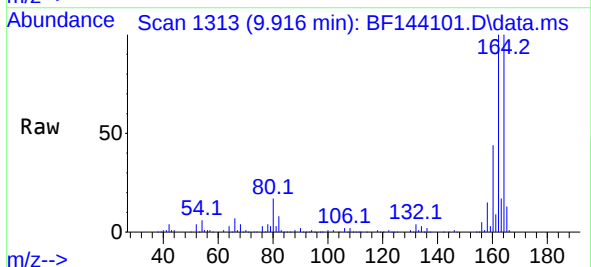
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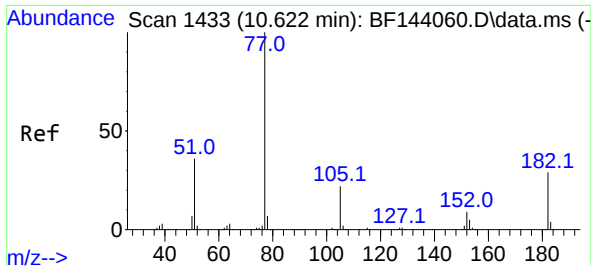
Tgt Ion:165 Resp: 19089
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.433 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

Tgt Ion:165 Resp: 19089
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#

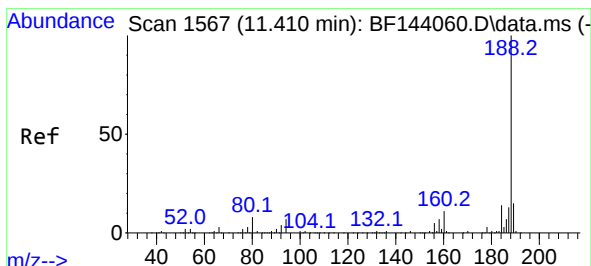
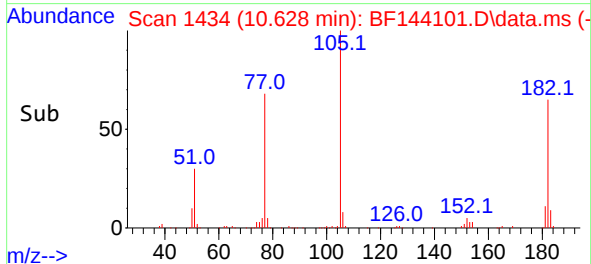
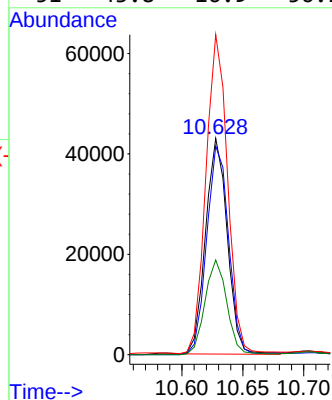
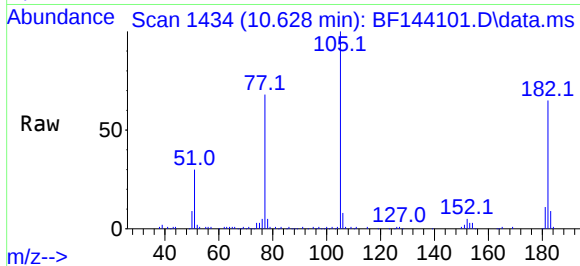




#63
Azobenzene
Concen: 6.226 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

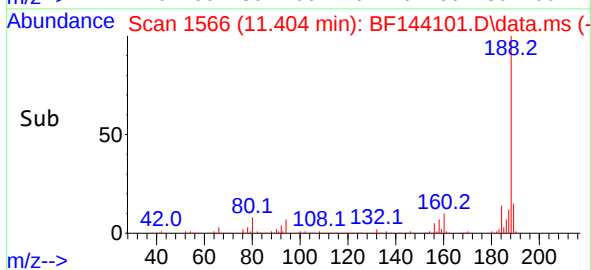
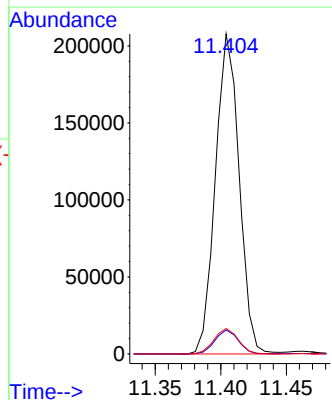
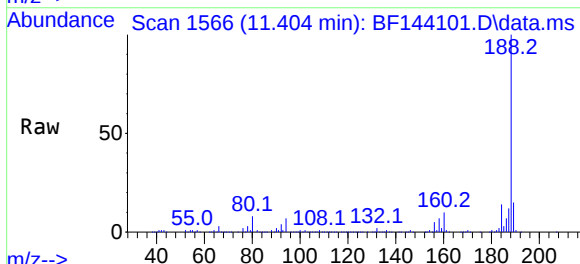
Instrument :
BNA_F
ClientSampleId :
PR132-DP3-20251021

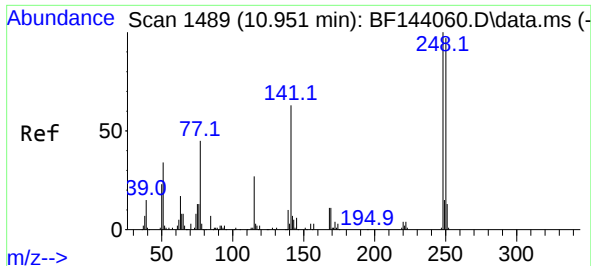
Tgt Ion: 77	Resp: 53337
Ion Ratio	Lower Upper
77 100	
182 96.5	9.0 49.0#
105 148.0	1.4 41.4#
51 43.8	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

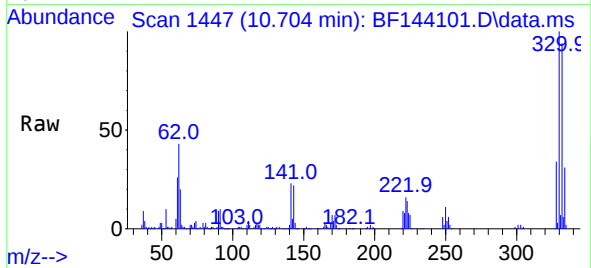
Tgt Ion: 188	Resp: 261219
Ion Ratio	Lower Upper
188 100	
94 7.5	5.4 8.0
80 8.0	6.0 9.0



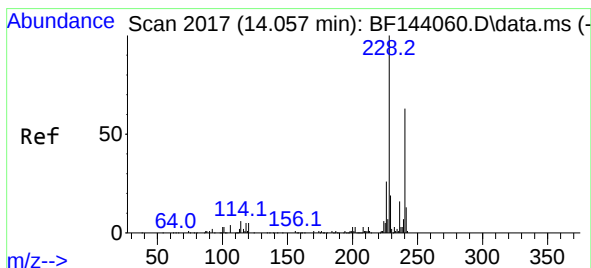
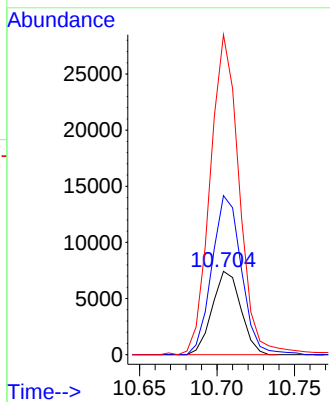
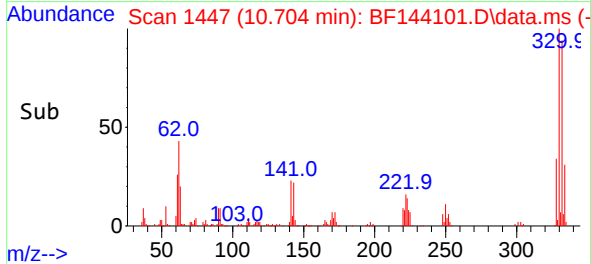


#67
4-Bromophenyl-phenylether
Concen: 2.914 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

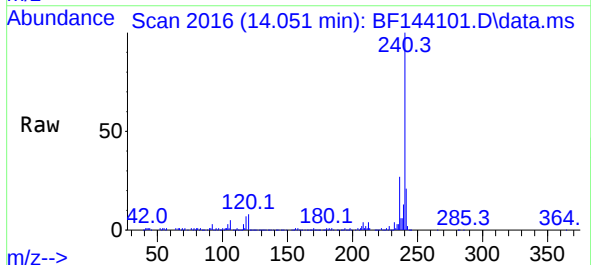
Instrument :
BNA_F
ClientSampleId :
PR132-DP3-20251021



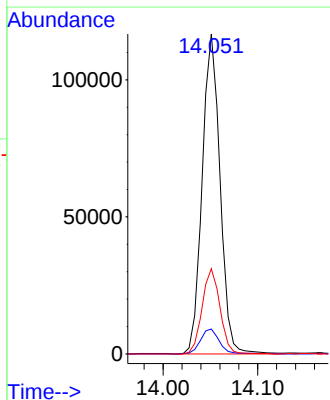
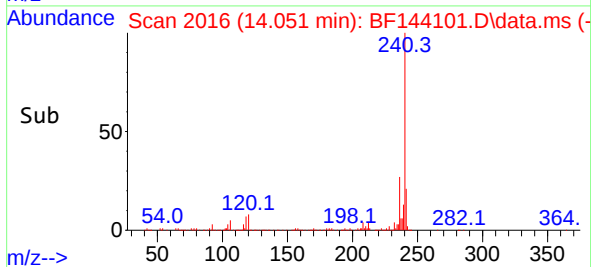
Tgt Ion:248 Resp: 9529
Ion Ratio Lower Upper
248 100
250 190.9 77.8 116.6#
141 384.1 50.5 75.7#

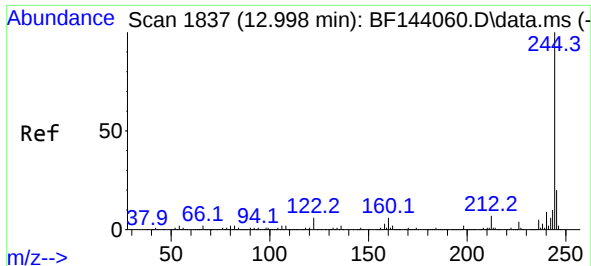


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16



Tgt Ion:240 Resp: 153054
Ion Ratio Lower Upper
240 100
120 7.8 6.5 9.7
236 26.6 20.1 30.1

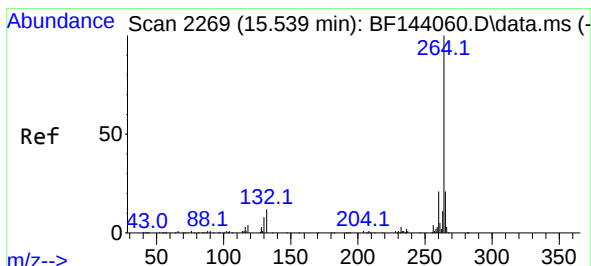
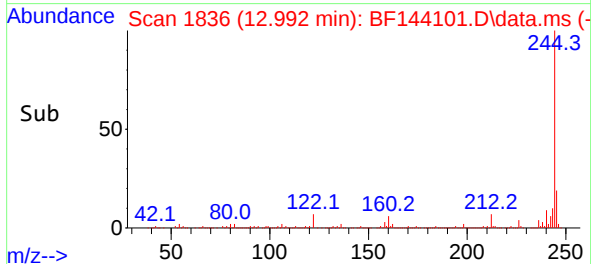
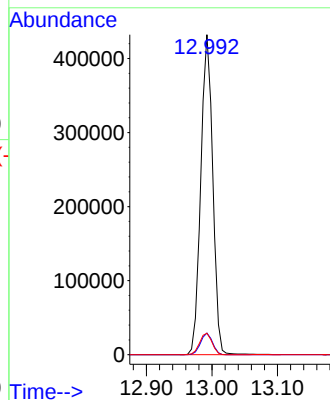
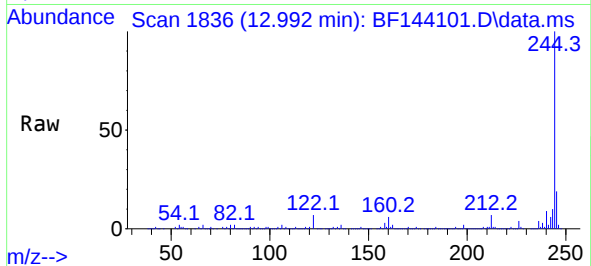




#79
Terphenyl-d14
Concen: 62.863 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144101.D
Acq: 28 Oct 2025 15:16

Instrument :
BNA_F
ClientSampleId :
PR132-DP3-20251021

Tgt Ion:244 Resp: 550354
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 6.7 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: BF144101.D
Acq: 28 Oct 2025 15:16

Tgt Ion:264 Resp: 162396
Ion Ratio Lower Upper
264 100
260 22.7 17.0 25.4
265 21.7 16.6 24.8

