

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144102.D
 Acq On : 28 Oct 2025 15:45
 Operator : RC/JU
 Sample : Q3424-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S11-010080-20251021

Quant Time: Oct 28 16:05:45 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)

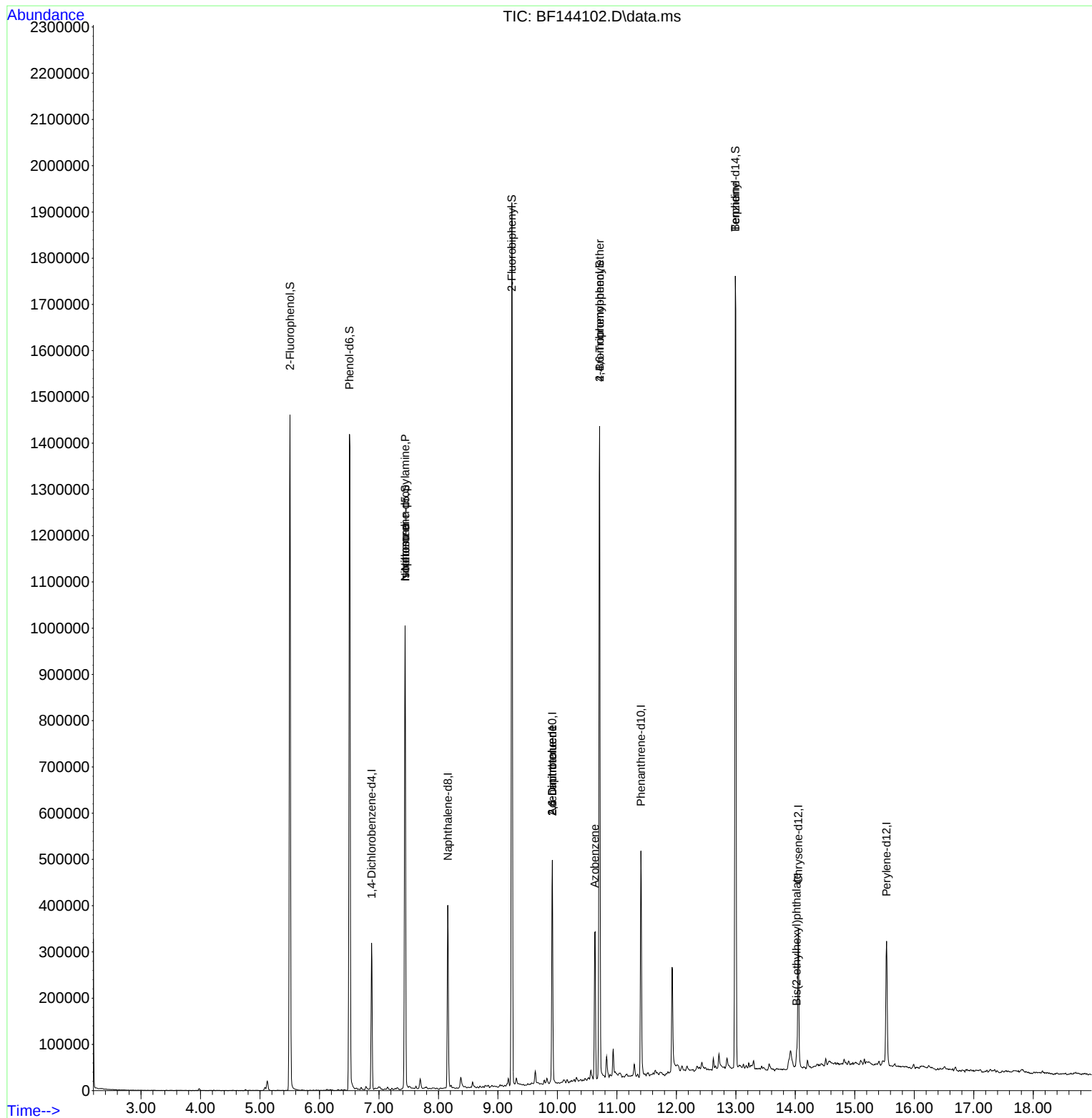
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66639	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	255060	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	146440	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	261254	20.000	ng	0.00
76) Chrysene-d12	14.051	240	152953	20.000	ng	0.00
86) Perylene-d12	15.533	264	170251	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	540945	128.428	ng	0.01
7) Phenol-d6	6.504	99	625864	134.544	ng	0.00
23) Nitrobenzene-d5	7.439	82	427572	91.843	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	297374	159.419	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	888899	85.419	ng	0.00
79) Terphenyl-d14	12.992	244	932428	106.574	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	66399	22.073	ng	# 72
25) Isophorone	7.439	82	427568	52.532	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19772	10.419	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	19772	7.720	ng	# 25
63) Azobenzene	10.627	77	81495	9.538	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	16399	5.013	ng	# 1
77) Benzidine	12.992	184	11979	2.517	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.021	149	16568	2.917	ng	96

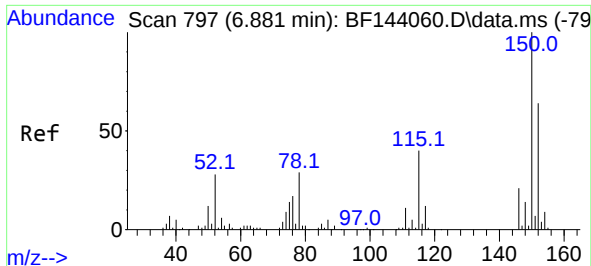
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
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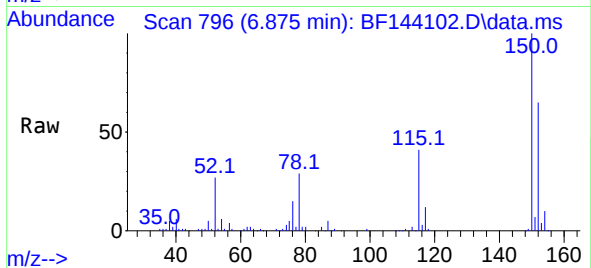
Quant Time: Oct 28 16:05:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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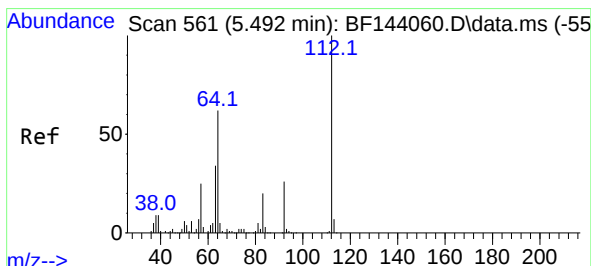
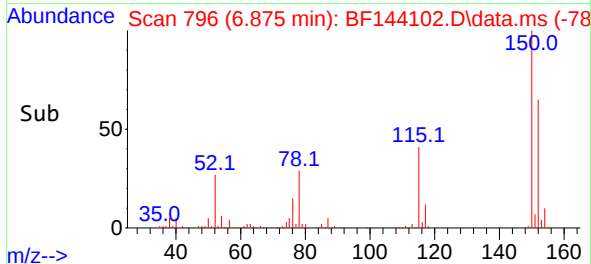
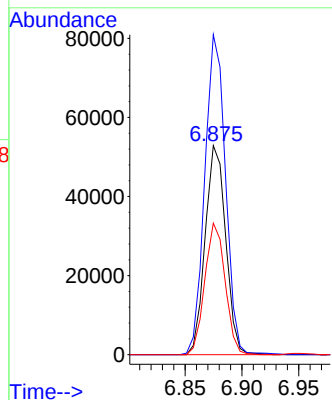


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Instrument :
BNA_F
ClientSampleId :
PR132-S11-010080-20251021

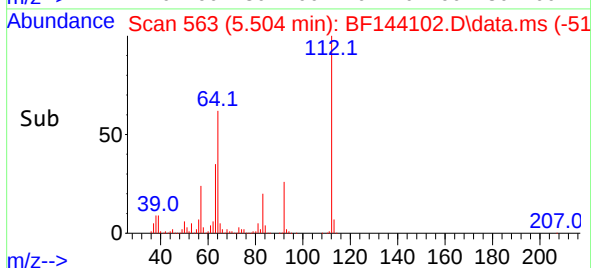
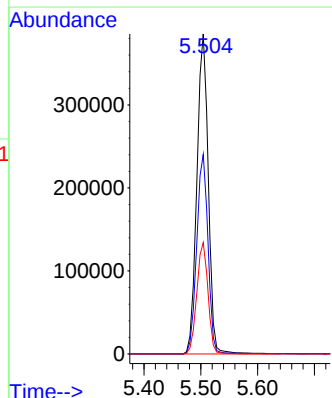
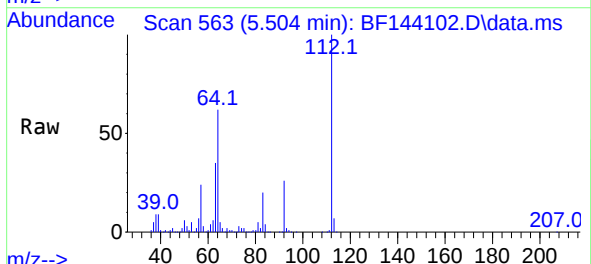


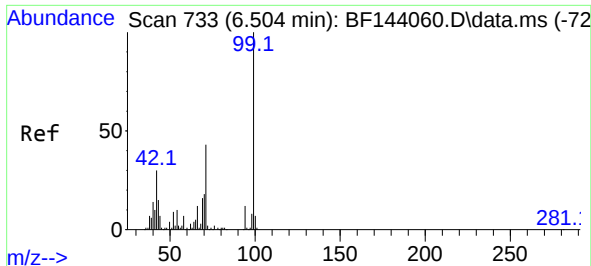
Tgt Ion:152 Resp: 66639
Ion Ratio Lower Upper
152 100
150 153.0 124.4 186.6
115 62.9 49.4 74.0



#5
2-Fluorophenol
Concen: 128.428 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Tgt Ion:112 Resp: 540945
Ion Ratio Lower Upper
112 100
64 62.4 49.8 74.8
63 34.8 27.4 41.2

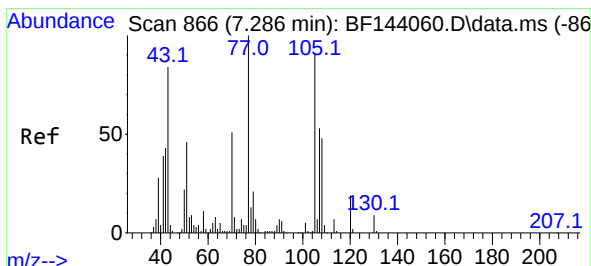
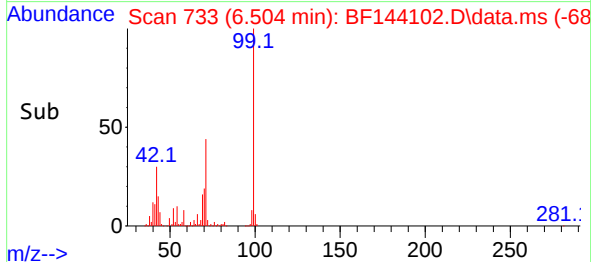
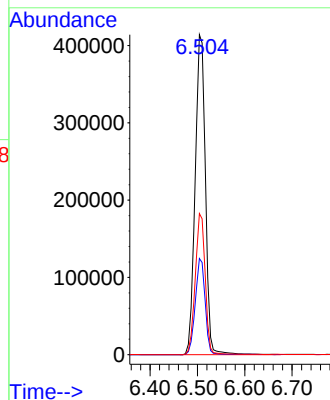
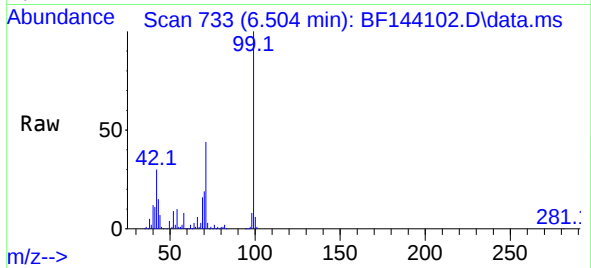




#7
Phenol-d6
Concen: 134.544 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

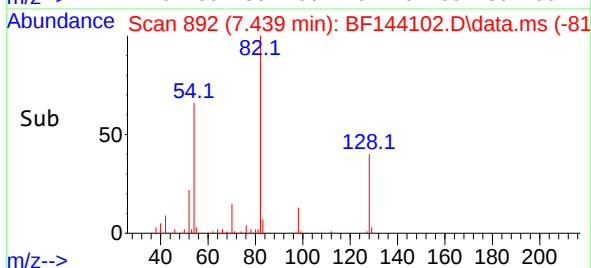
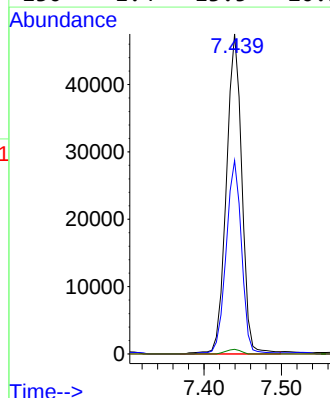
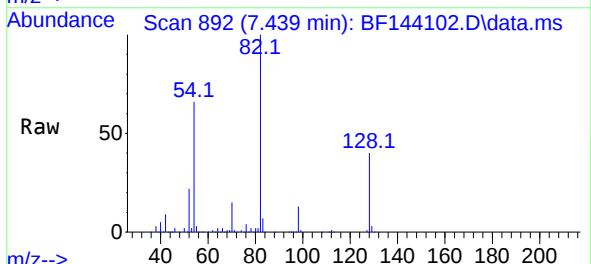
Instrument :
BNA_F
ClientSampleId :
PR132-S11-010080-20251021

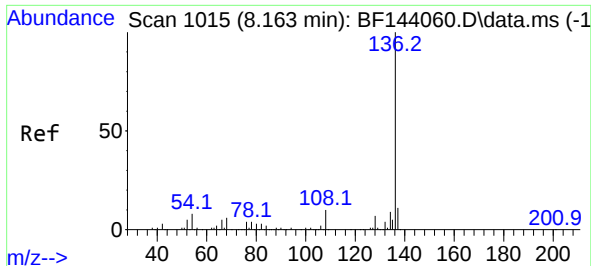
Tgt Ion:	99	Resp:	625864
Ion	Ratio	Lower	Upper
99	100		
42	30.0	23.9	35.9
71	44.1	34.4	51.6



#19
n-Nitroso-di-n-propylamine
Concen: 22.073 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Tgt Ion:	70	Resp:	66399
Ion	Ratio	Lower	Upper
70	100		
42	60.5	67.4	101.0#
101	0.0	7.1	10.7#
130	1.4	13.5	20.3#

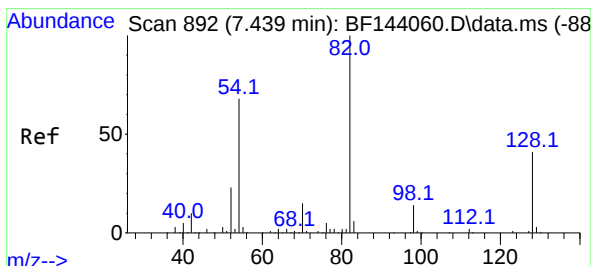
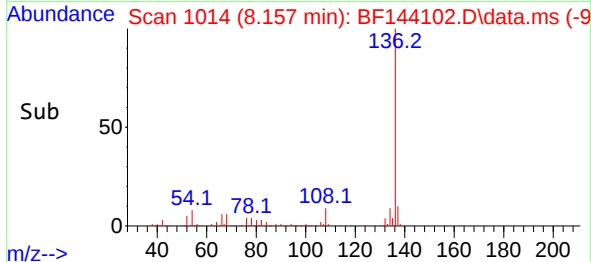
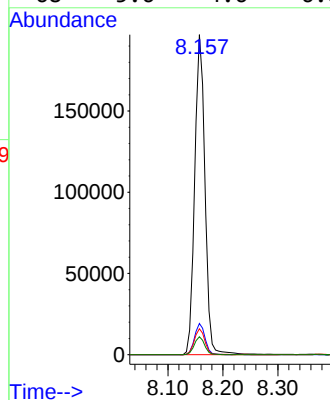
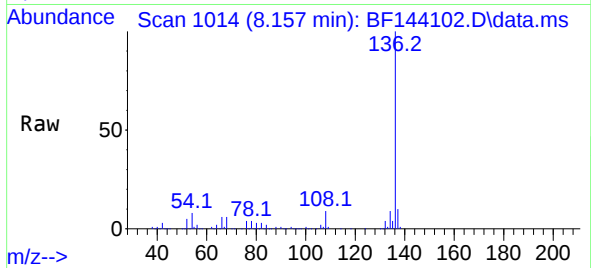




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

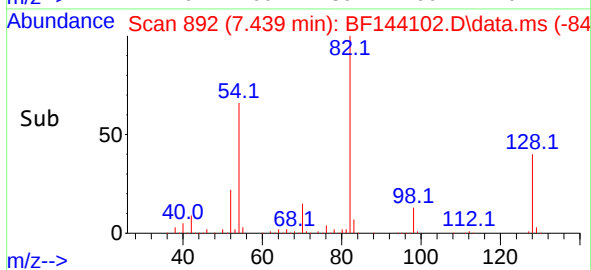
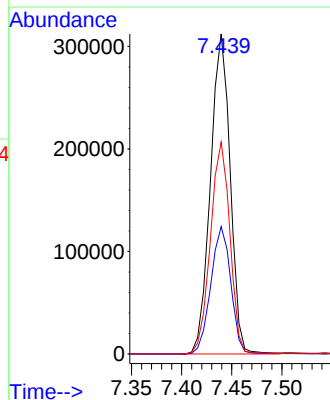
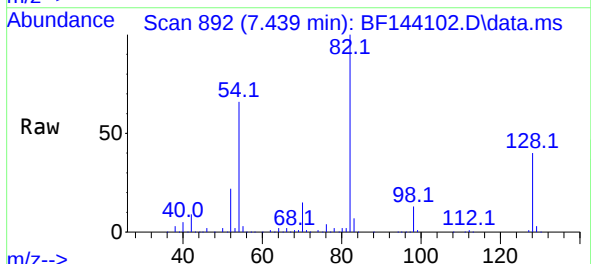
Instrument :
BNA_F
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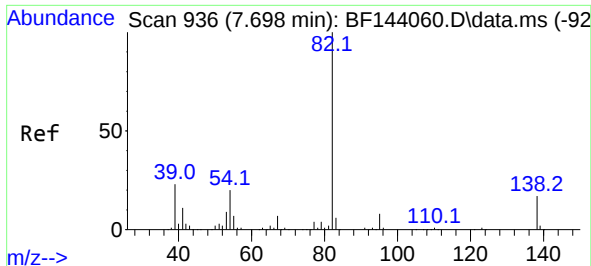
Tgt Ion:136 Resp: 255060
Ion Ratio Lower Upper
136 100
137 9.8 8.6 13.0
54 8.1 6.6 9.8
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 91.843 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Tgt Ion: 82 Resp: 427572
Ion Ratio Lower Upper
82 100
128 39.8 32.4 48.6
54 66.3 54.0 81.0

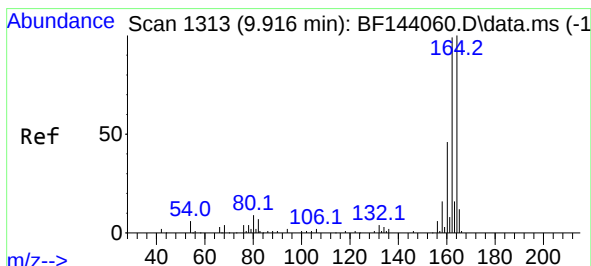
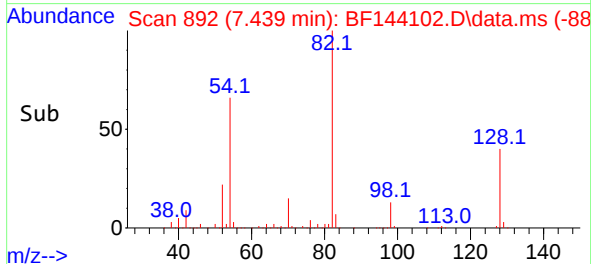
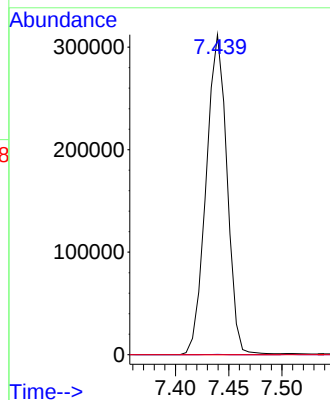
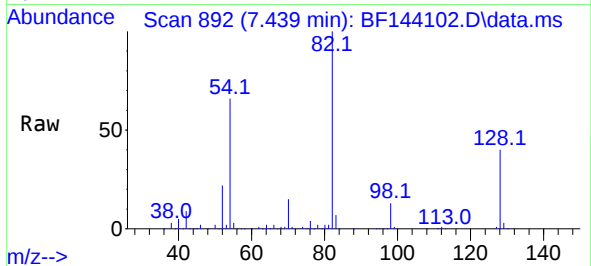




#25
Isophorone
Concen: 52.532 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

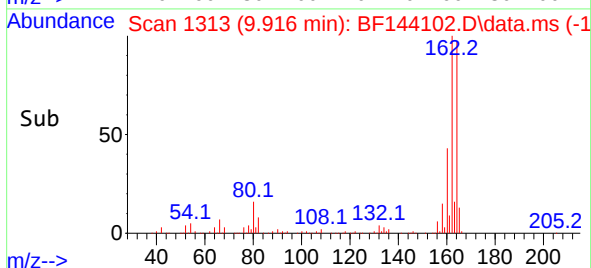
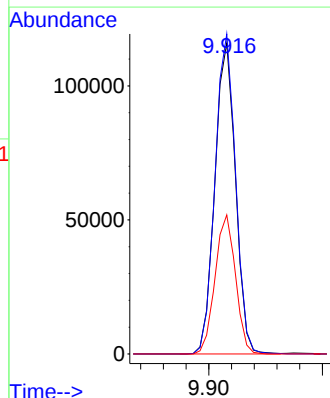
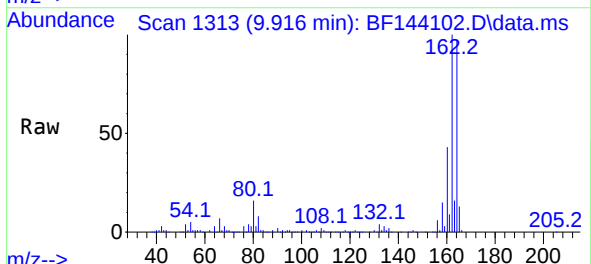
Instrument :
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ClientSampleId :
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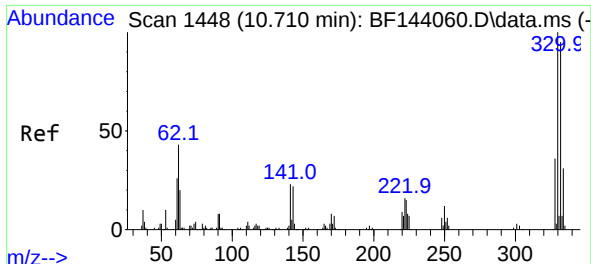
Tgt Ion: 82 Resp: 427568
Ion Ratio Lower Upper
82 100
95 0.1 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Tgt Ion:164 Resp: 146440
Ion Ratio Lower Upper
164 100
162 102.9 79.4 119.2
160 44.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 159.419 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144102.D

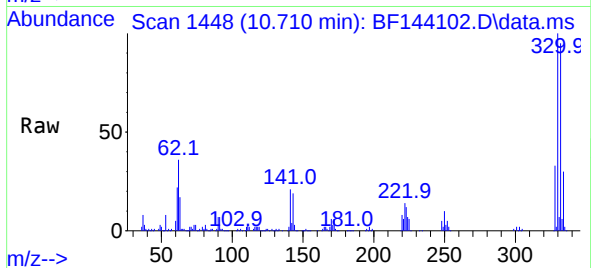
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Instrument :

BNA_F

ClientSampleId :

PR132-S11-010080-20251021



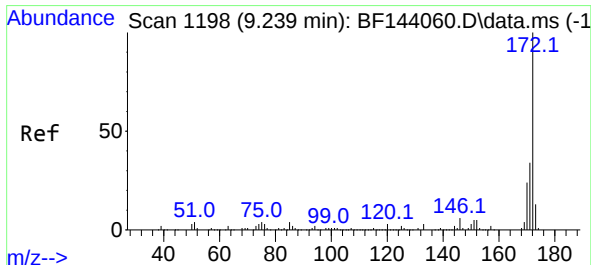
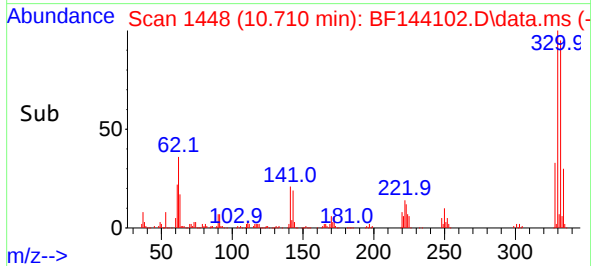
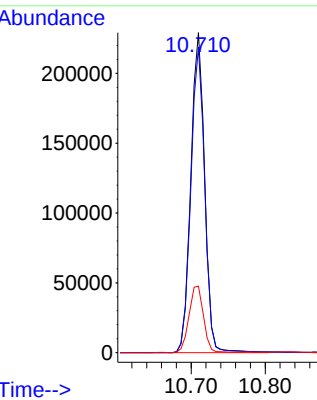
Tgt Ion:330 Resp: 297374

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

141 22.0 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 85.419 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144102.D

Acq: 28 Oct 2025 15:45

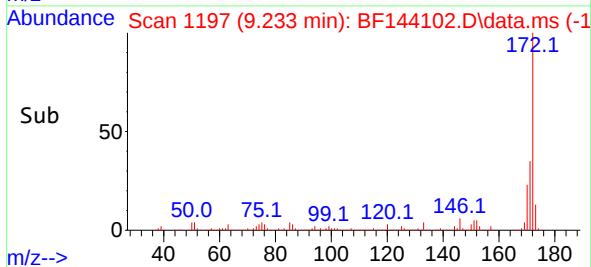
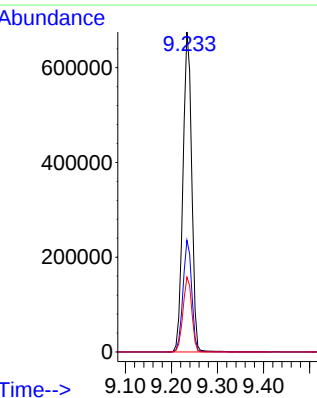
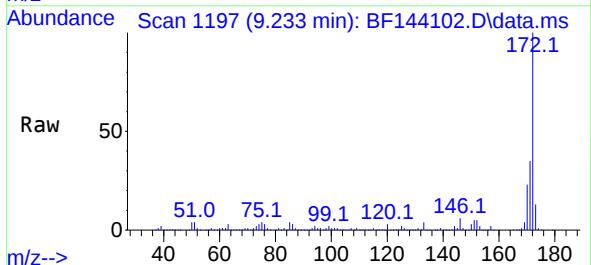
Tgt Ion:172 Resp: 888899

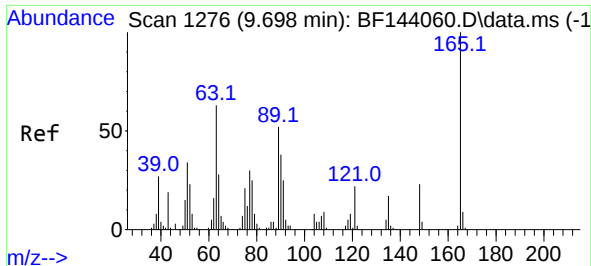
Ion Ratio Lower Upper

172 100

171 34.9 27.5 41.3

170 23.4 19.0 28.6

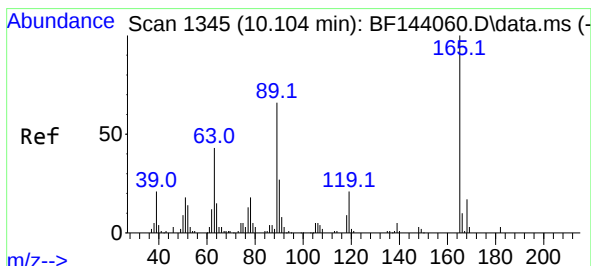
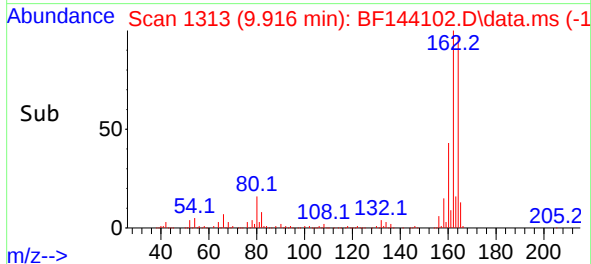
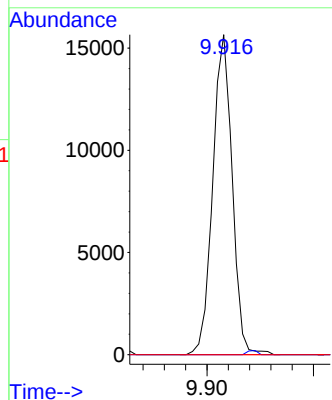
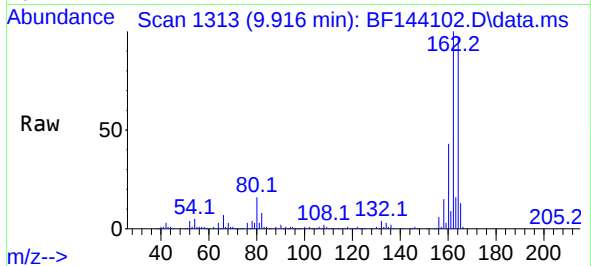




#51
2,6-Dinitrotoluene
Concen: 10.419 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

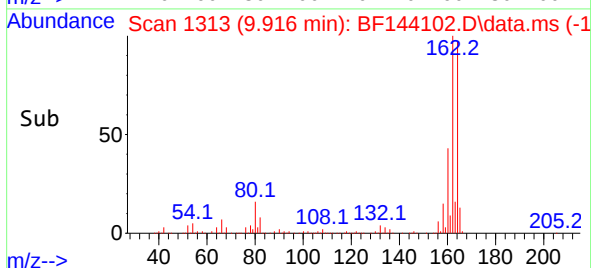
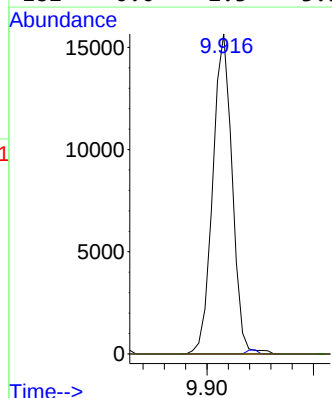
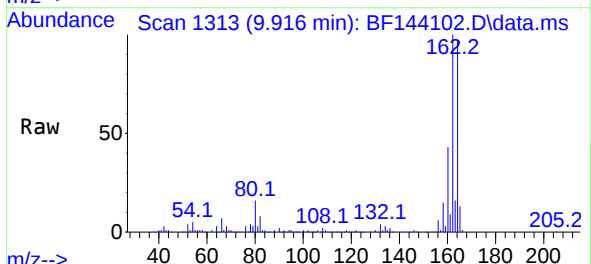
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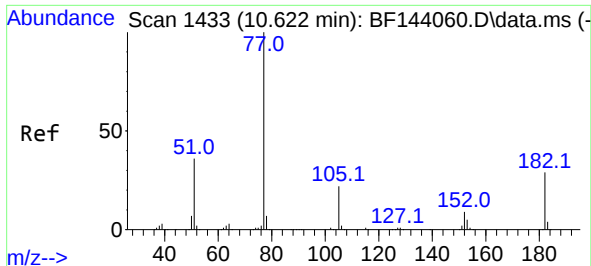
Tgt Ion:165 Resp: 19772
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.720 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Tgt Ion:165 Resp: 19772
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#

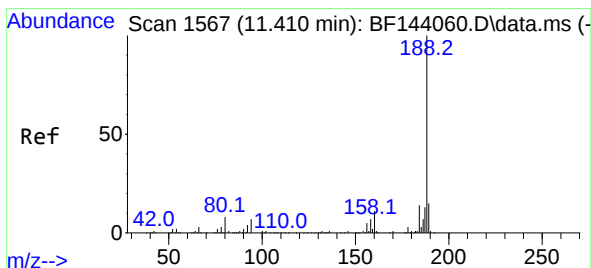
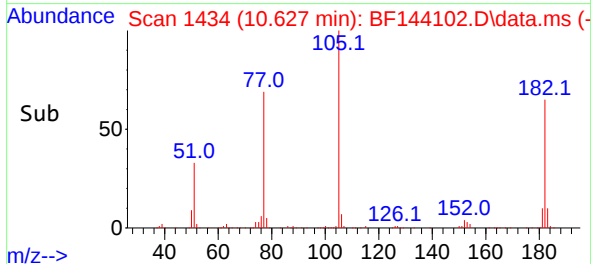
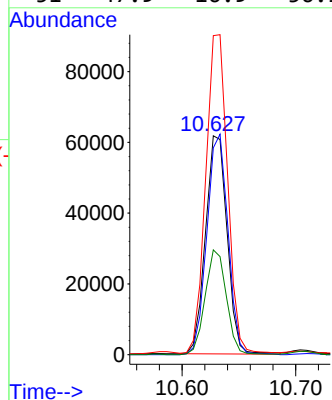
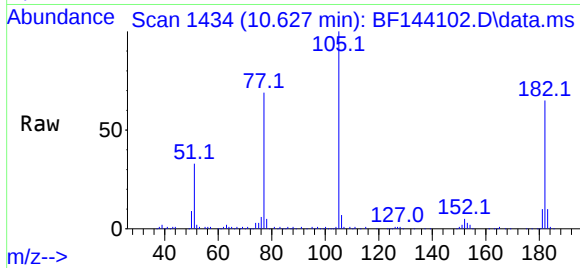




#63
Azobenzene
Concen: 9.538 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

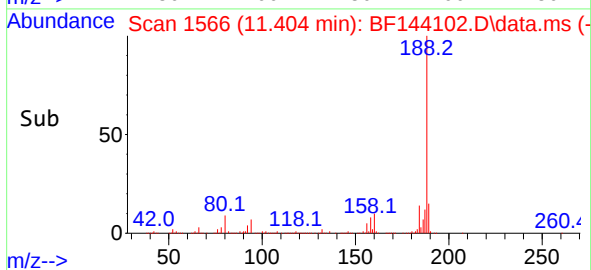
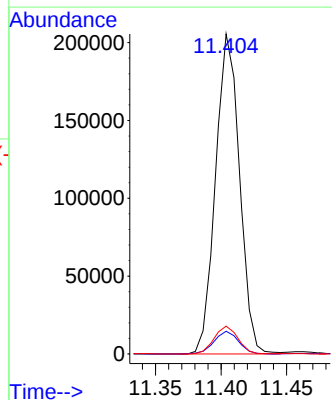
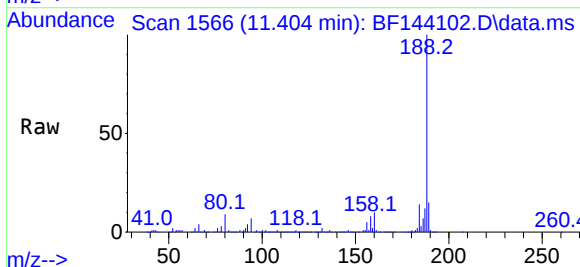
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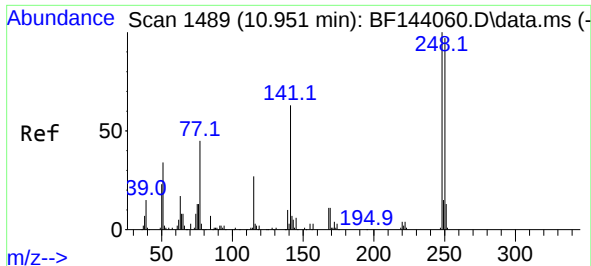
Tgt Ion: 77 Resp: 81495
Ion Ratio Lower Upper
77 100
182 94.5 9.0 49.0#
105 145.8 1.4 41.4#
51 47.9 16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

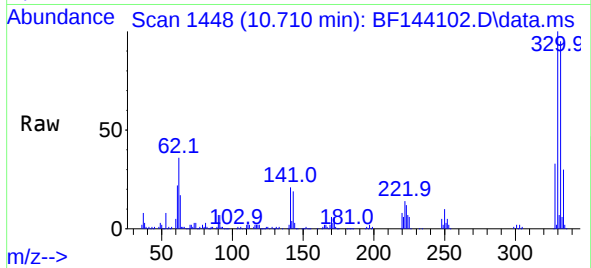
Tgt Ion:188 Resp: 261254
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.0
80 8.7 6.0 9.0



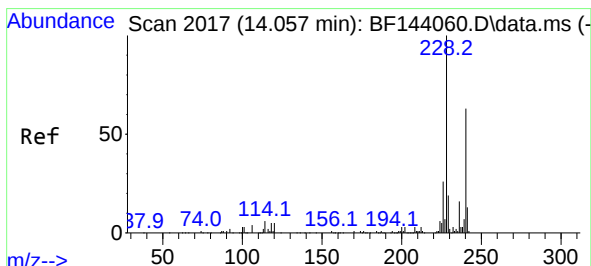
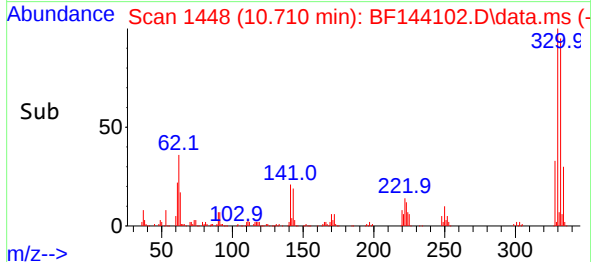
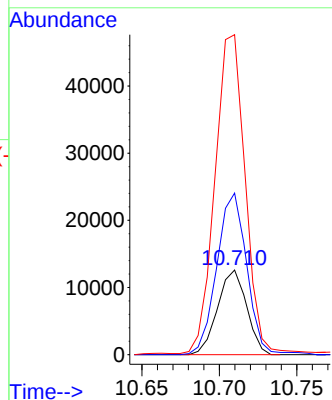


#67
4-Bromophenyl-phenylether
Concen: 5.013 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Instrument :
BNA_F
ClientSampleId :
PR132-S11-010080-20251021

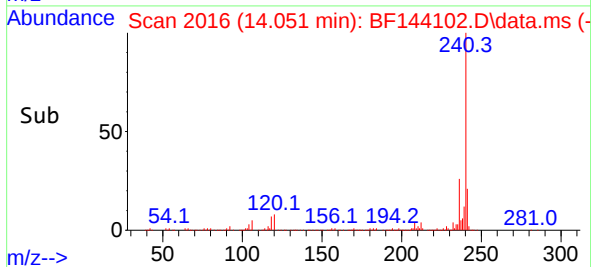
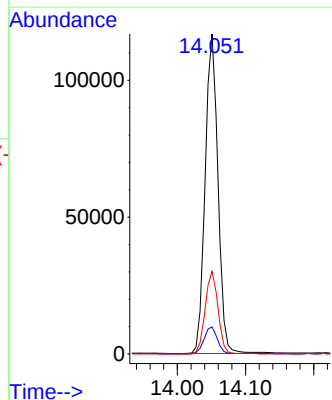
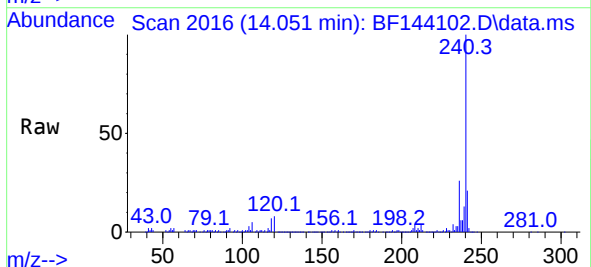


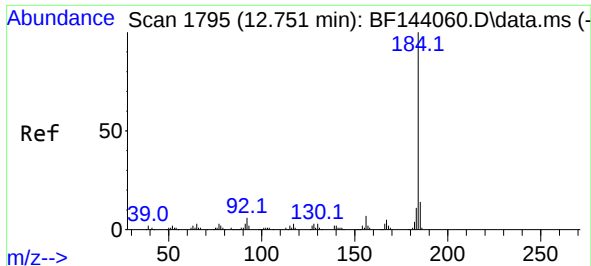
Tgt Ion:248 Resp: 16399
Ion Ratio Lower Upper
248 100
250 191.0 77.8 116.6#
141 378.3 50.5 75.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Tgt Ion:240 Resp: 152953
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 25.8 20.1 30.1

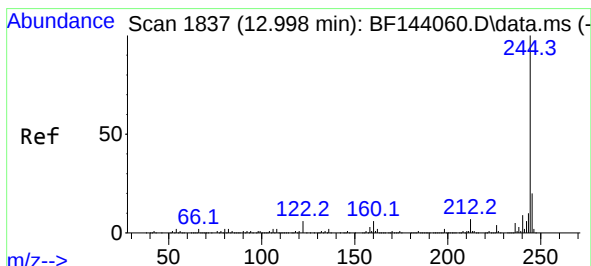
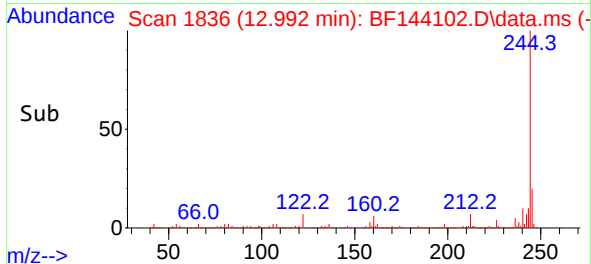
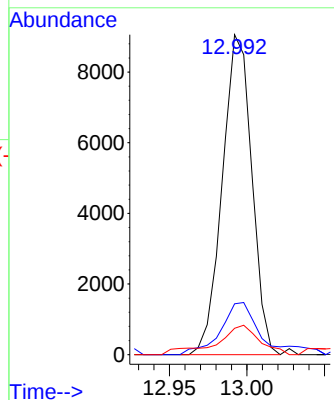
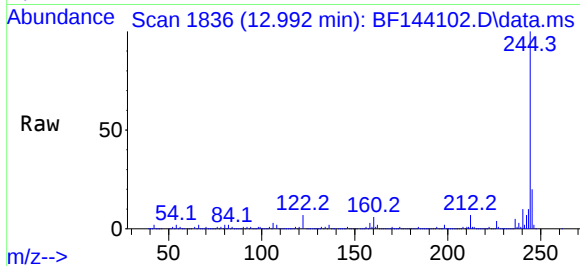




#77
Benzidine
Concen: 2.517 ng
RT: 12.992 min Scan# 1836
Delta R.T. 0.241 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

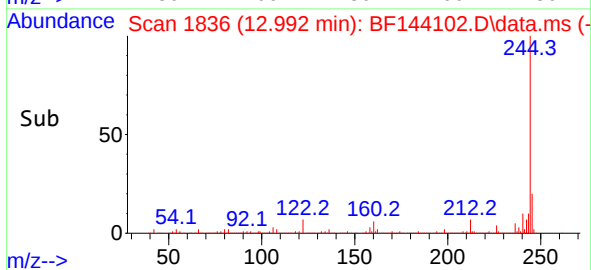
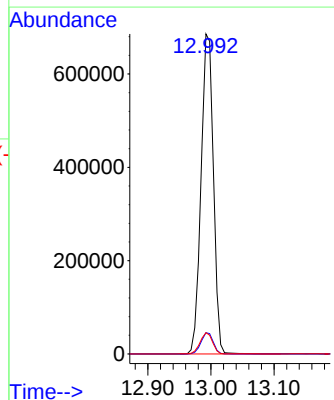
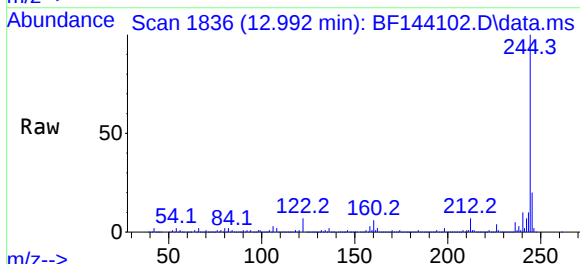
Instrument :
BNA_F
ClientSampleId :
PR132-S11-010080-20251021

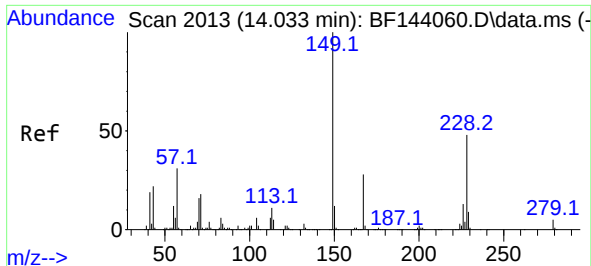
Tgt Ion:184 Resp: 11979
Ion Ratio Lower Upper
184 100
185 15.9 11.6 17.4
183 8.3 8.5 12.7#



#79
Terphenyl-d14
Concen: 106.574 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Tgt Ion:244 Resp: 932428
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 6.6 4.9 7.3

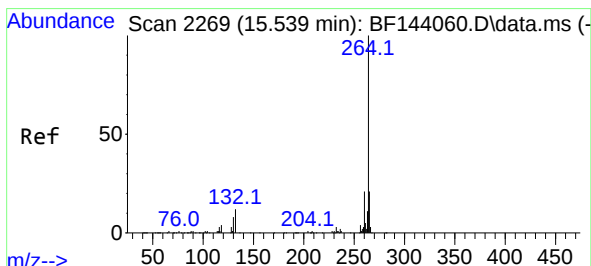
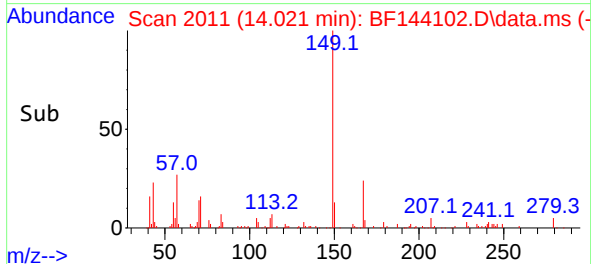
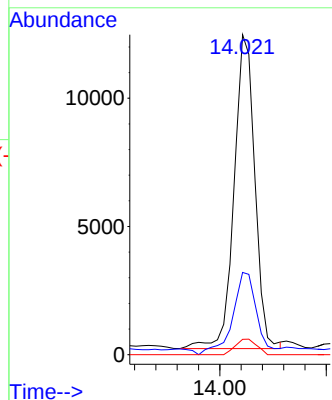
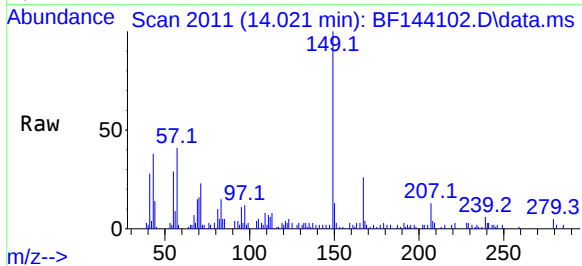




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.917 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Instrument :
BNA_F
ClientSampleId :
PR132-S11-010080-20251021

Tgt Ion:	149	Resp:	16568
Ion	Ratio	Lower	Upper
149	100		
167	25.7	22.5	33.7
279	4.8	3.6	5.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF144102.D
Acq: 28 Oct 2025 15:45

Tgt Ion:	264	Resp:	170251
Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.0	25.4
265	22.6	16.6	24.8

