

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144103.D
 Acq On : 28 Oct 2025 16:15
 Operator : RC/JU
 Sample : Q3424-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S14-000094-20251021

Quant Time: Oct 28 16:34:47 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)

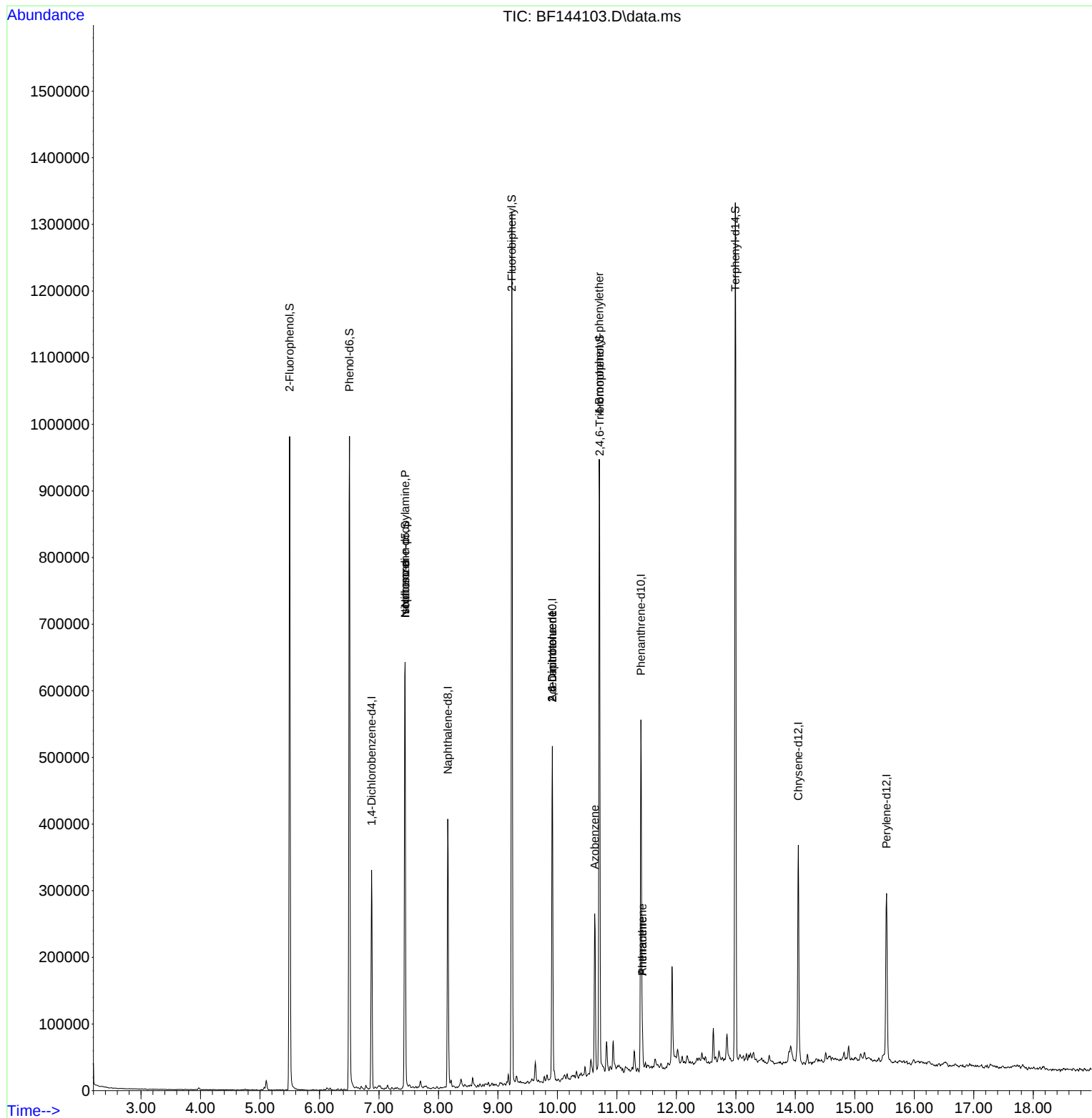
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	68405	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	259693	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	156513	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	278837	20.000	ng	0.00
76) Chrysene-d12	14.051	240	168137	20.000	ng	0.00
86) Perylene-d12	15.533	264	161640	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	353661	81.797	ng	0.00
7) Phenol-d6	6.504	99	413073	86.507	ng	0.00
23) Nitrobenzene-d5	7.439	82	276357	58.303	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	185941	93.266	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	600983	54.035	ng	0.00
79) Terphenyl-d14	12.992	244	681459	70.855	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	41538	13.452	ng	# 72
25) Isophorone	7.439	82	274790	33.159	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	20303	10.011	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	20303	7.417	ng	# 25
63) Azobenzene	10.628	77	56292	6.165	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	10613	3.040	ng	# 1
71) Phenanthrene	11.427	178	33470	2.416	ng	97
72) Anthracene	11.427	178	33470	2.339	ng	99

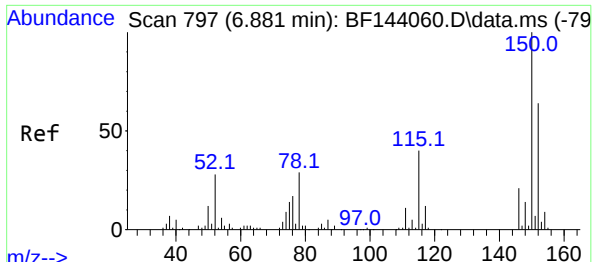
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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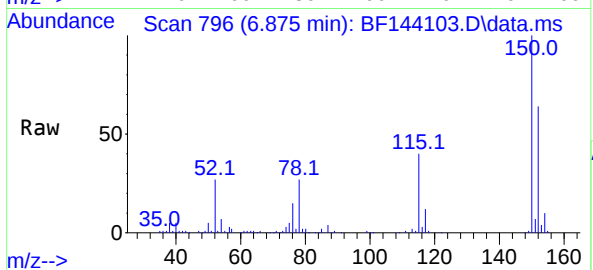
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
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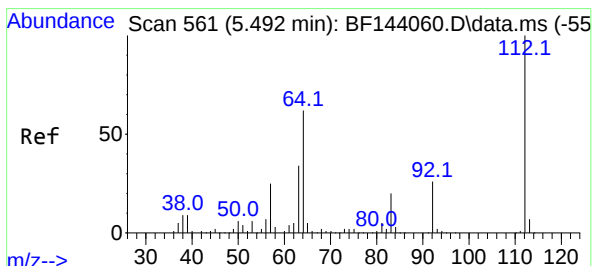
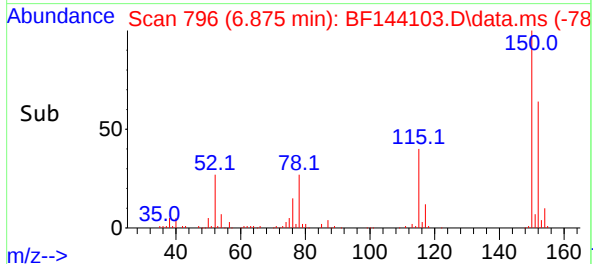
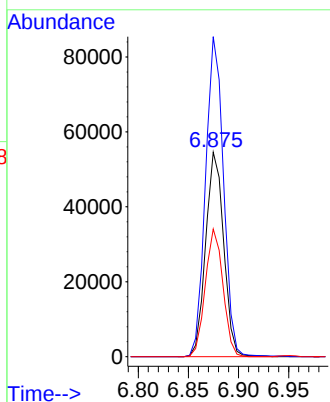


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PR132-S14-000094-20251021

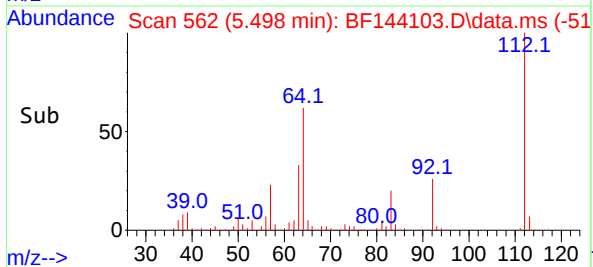
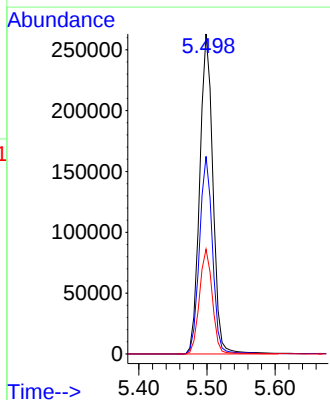
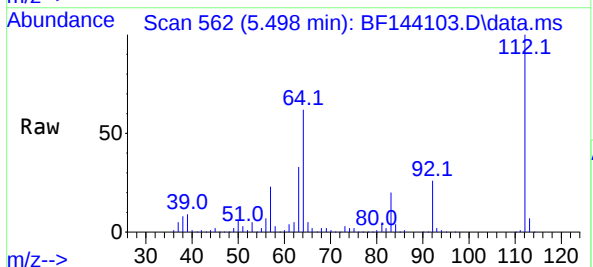


Tgt Ion:152 Resp: 68405
Ion Ratio Lower Upper
152 100
150 156.5 124.4 186.6
115 62.5 49.4 74.0



#5
2-Fluorophenol
Concen: 81.797 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Tgt Ion:112 Resp: 353661
Ion Ratio Lower Upper
112 100
64 61.8 49.8 74.8
63 32.8 27.4 41.2

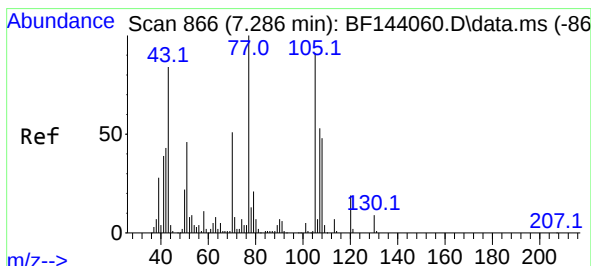
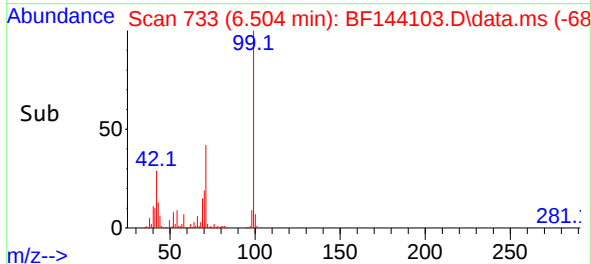
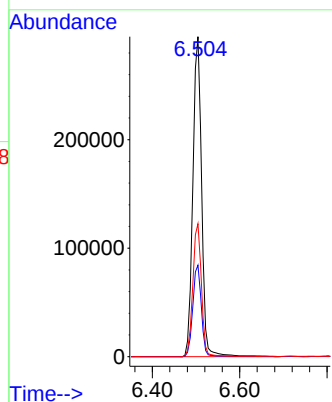
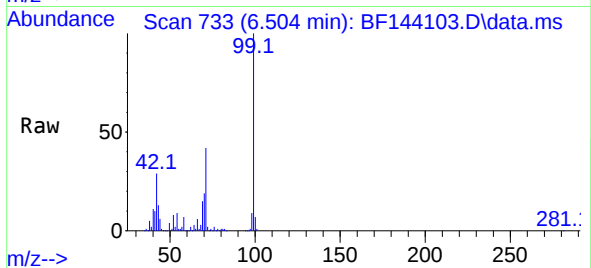




#7
Phenol-d6
Concen: 86.507 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

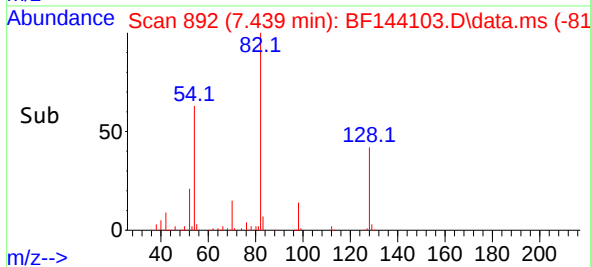
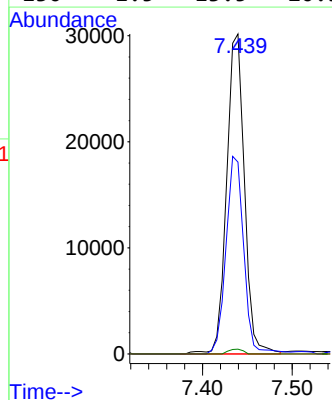
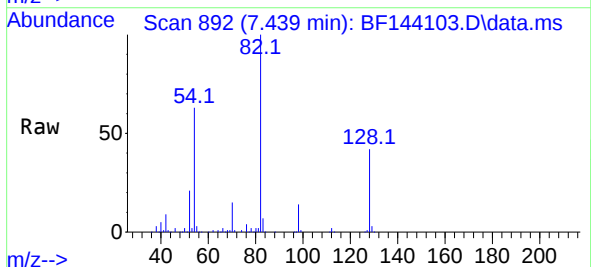
Instrument :
BNA_F
ClientSampleId :
PR132-S14-000094-20251021

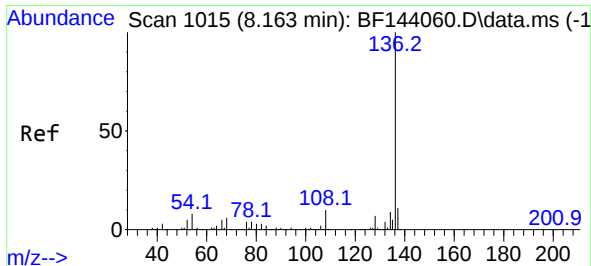
Tgt Ion: 99 Resp: 413073
Ion Ratio Lower Upper
99 100
42 28.6 23.9 35.9
71 41.6 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.452 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Tgt Ion: 70 Resp: 41538
Ion Ratio Lower Upper
70 100
42 59.9 67.4 101.0#
101 0.0 7.1 10.7#
130 1.5 13.5 20.3#



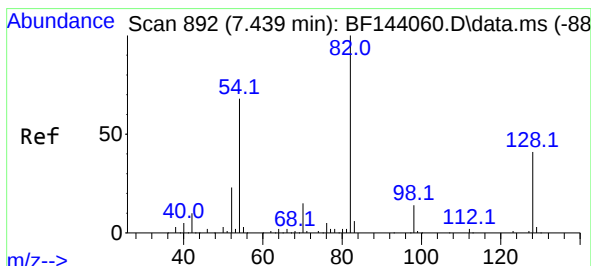
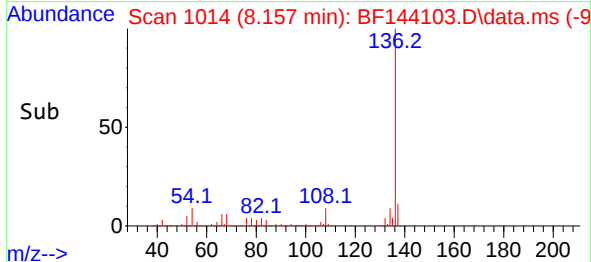
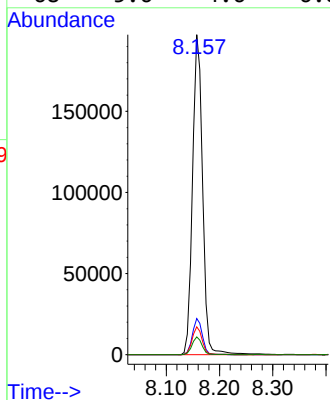
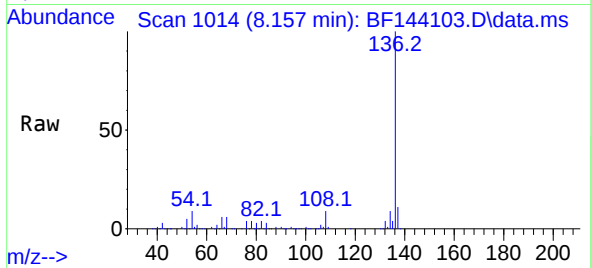


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PR132-S14-000094-20251021

Tgt Ion:136 Resp: 259693

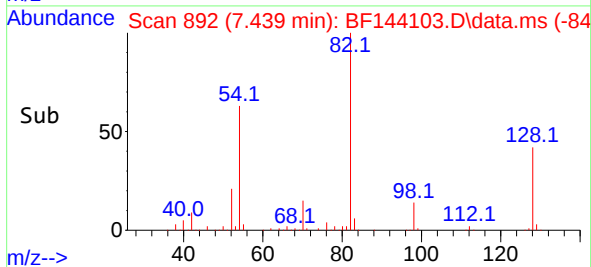
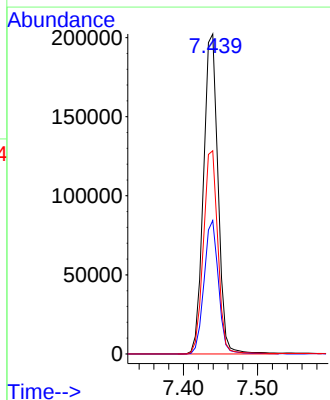
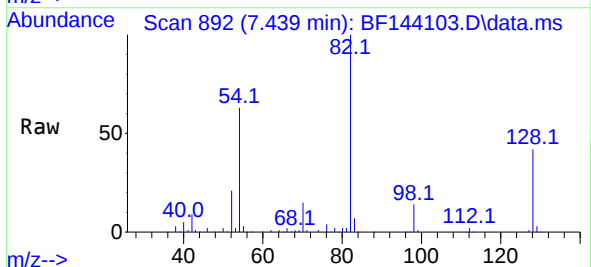
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.7	6.6	9.8
68	5.6	4.6	6.8

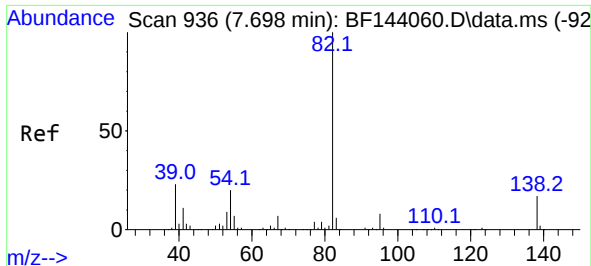


#23
Nitrobenzene-d5
Concen: 58.303 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Tgt Ion: 82 Resp: 276357

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.4	48.6
54	63.5	54.0	81.0

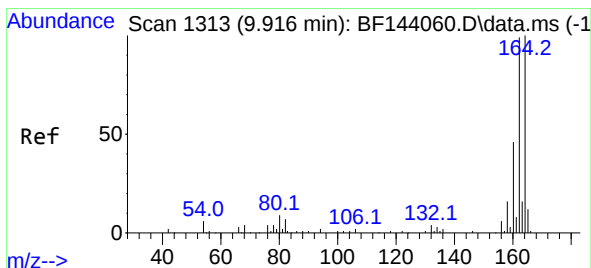
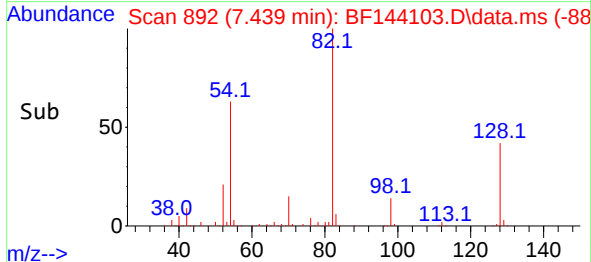
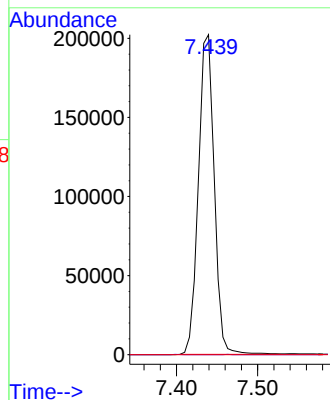
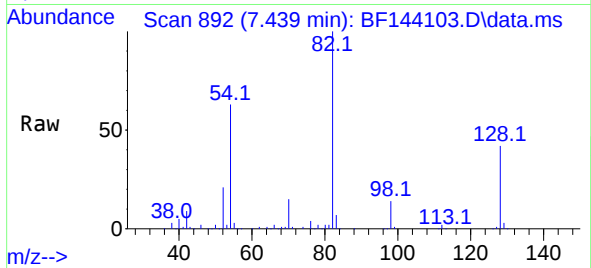




#25
Isophorone
Concen: 33.159 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

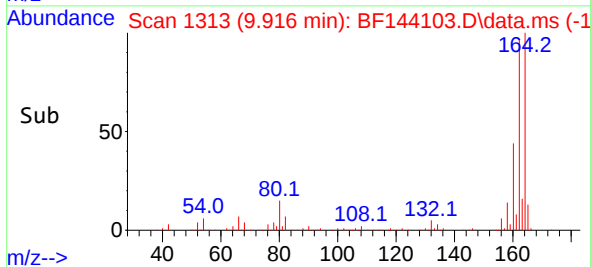
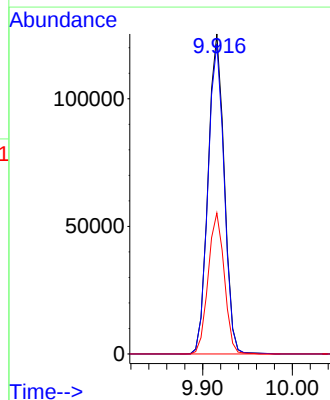
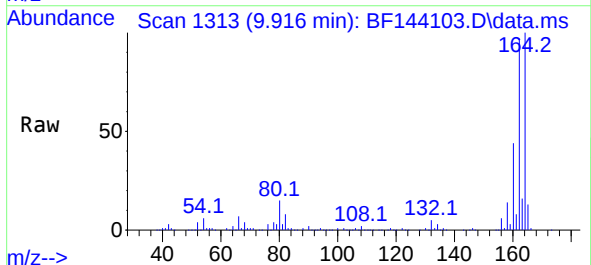
Instrument :
BNA_F
ClientSampleId :
PR132-S14-000094-20251021

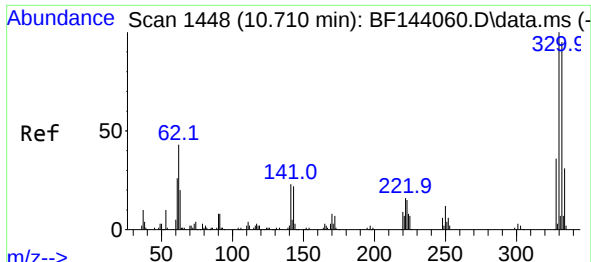
Tgt Ion: 82 Resp: 274790
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

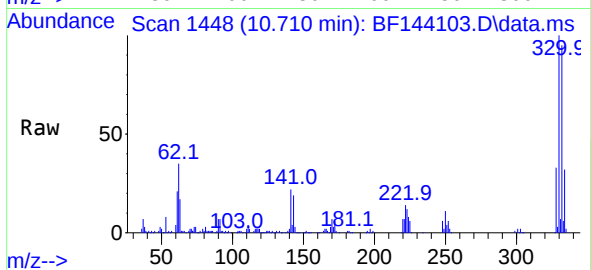
Tgt Ion:164 Resp: 156513
Ion Ratio Lower Upper
164 100
162 97.0 79.4 119.2
160 44.0 36.7 55.1



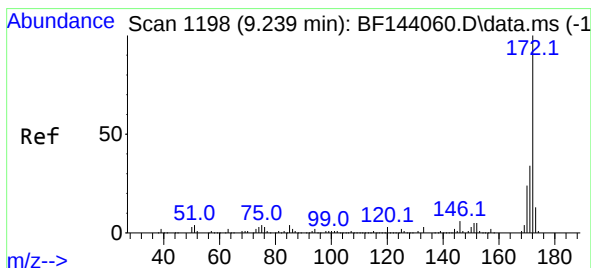
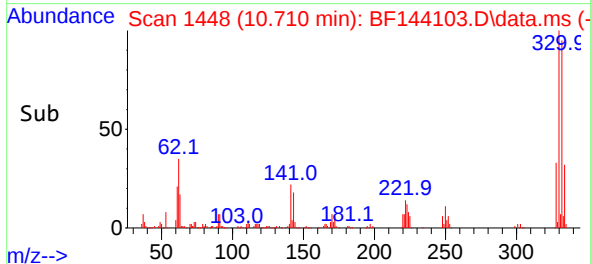
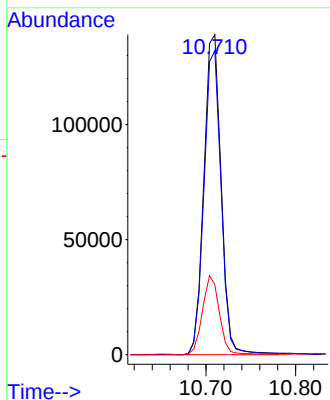


#42
2,4,6-Tribromophenol
Concen: 93.266 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PR132-S14-000094-20251021

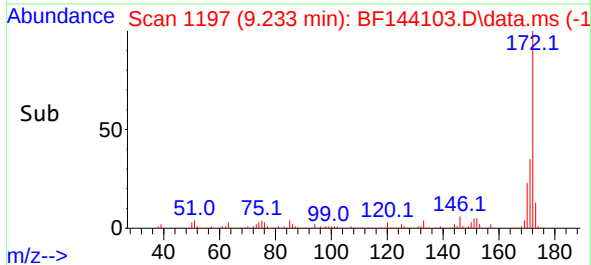
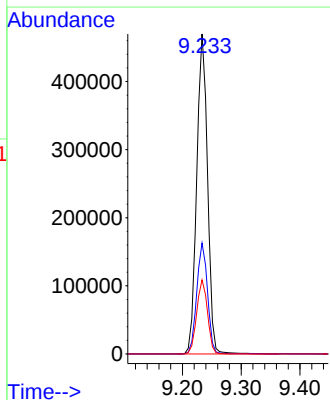
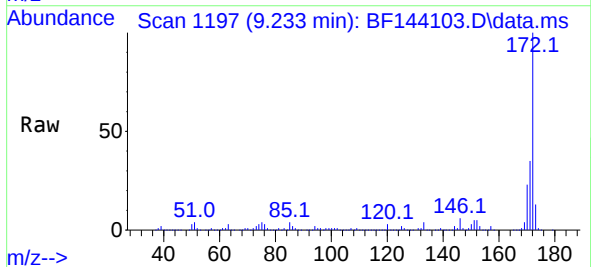


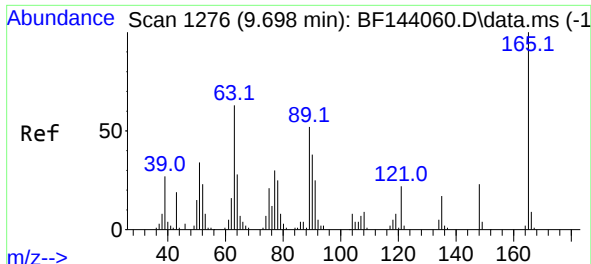
Tgt Ion:330 Resp: 185941
Ion Ratio Lower Upper
330 100
332 94.8 77.0 115.6
141 24.3 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 54.035 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Tgt Ion:172 Resp: 600983
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 23.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 10.011 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144103.D

Acq: 28 Oct 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PR132-S14-000094-20251021

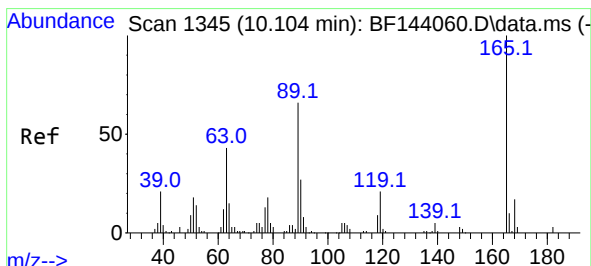
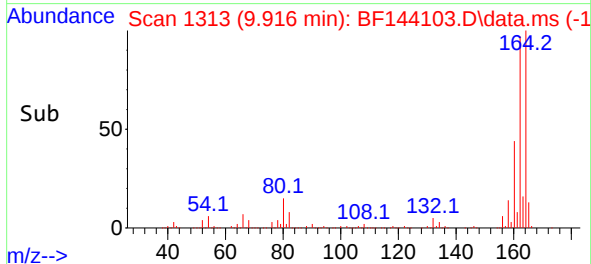
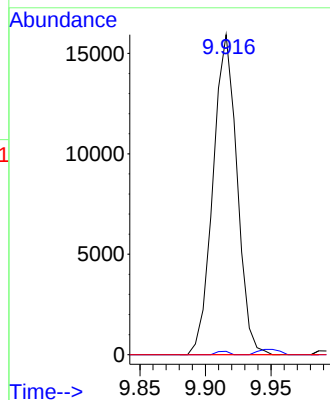
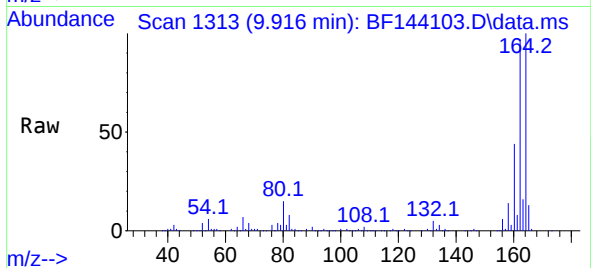
Tgt Ion:165 Resp: 20303

Ion Ratio Lower Upper

165 100

63 1.0 50.4 75.6#

89 0.0 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 7.417 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144103.D

Acq: 28 Oct 2025 16:15

Tgt Ion:165 Resp: 20303

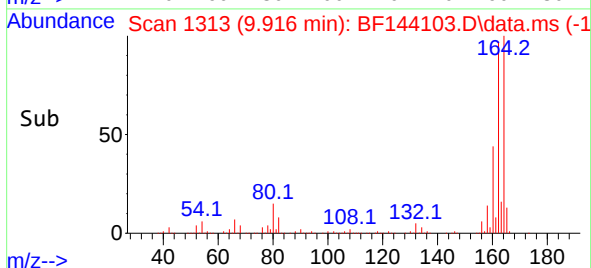
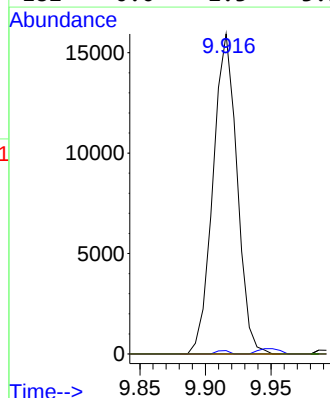
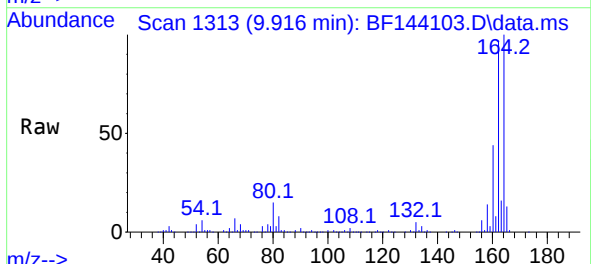
Ion Ratio Lower Upper

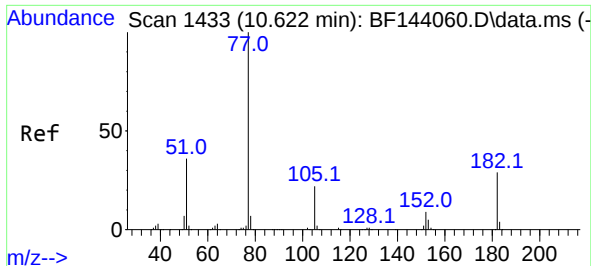
165 100

63 1.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#

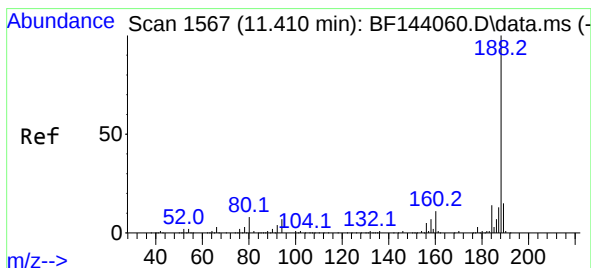
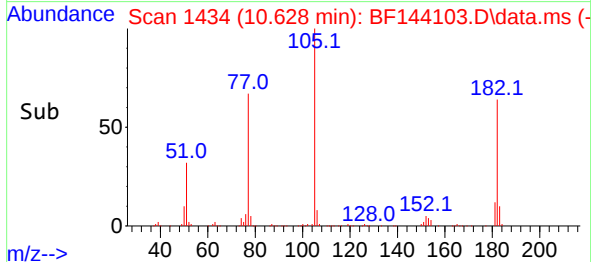
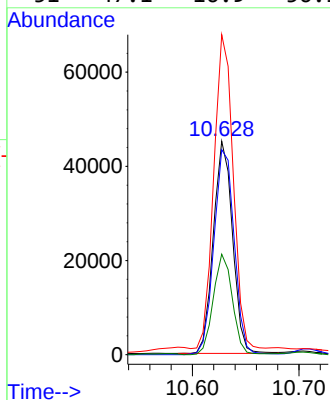
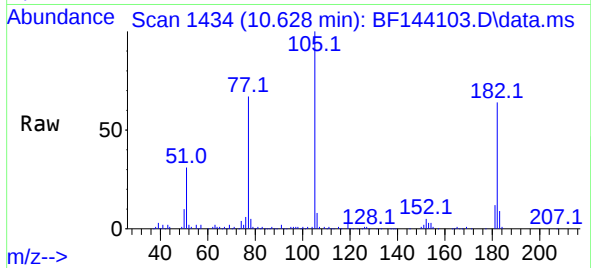




#63
Azobenzene
Concen: 6.165 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

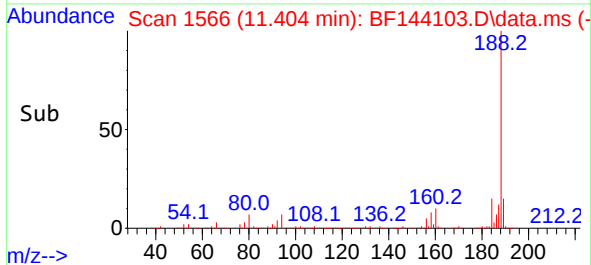
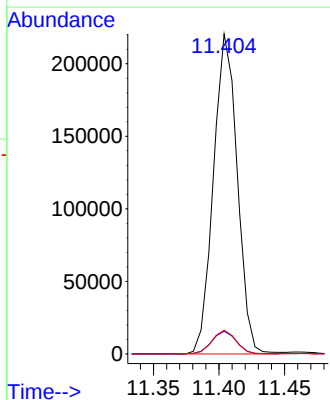
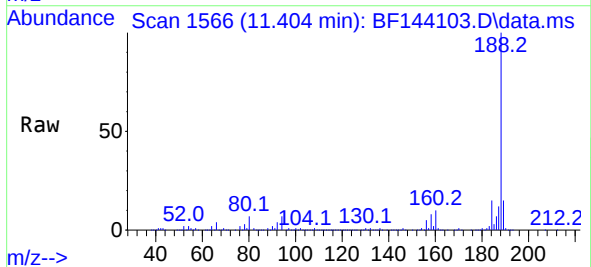
Instrument :
BNA_F
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PR132-S14-000094-20251021

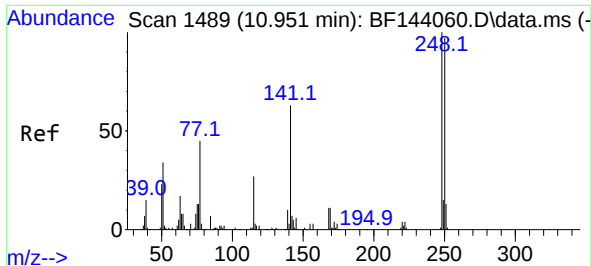
Tgt Ion: 77	Resp: 56292
Ion Ratio	Lower Upper
77 100	
182 96.0	9.0 49.0#
105 150.0	1.4 41.4#
51 47.1	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

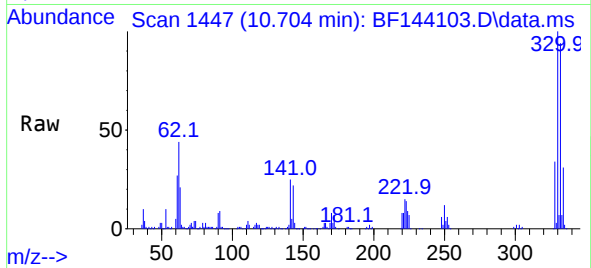
Tgt Ion: 188	Resp: 278837
Ion Ratio	Lower Upper
188 100	
94 7.1	5.4 8.0
80 7.5	6.0 9.0



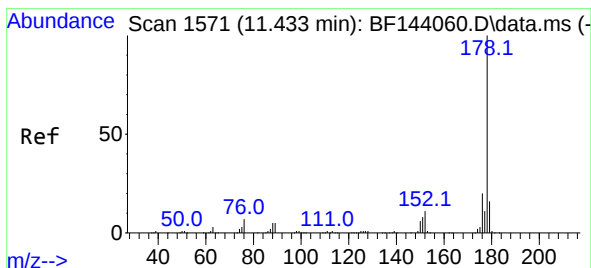
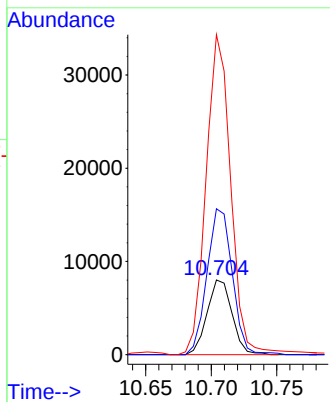
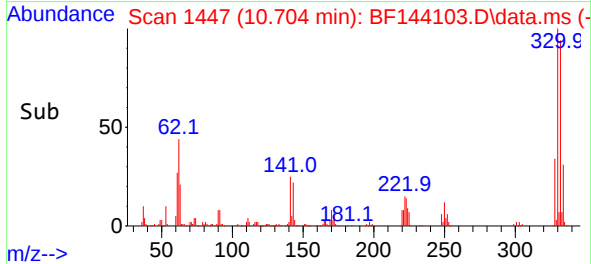


#67
4-Bromophenyl-phenylether
Concen: 3.040 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.247 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

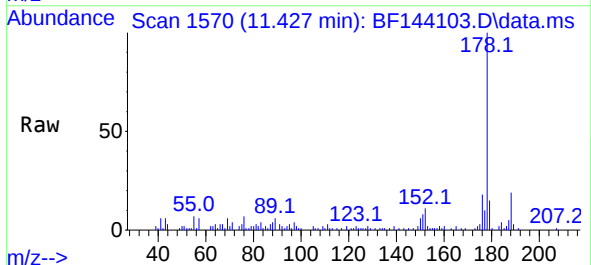
Instrument :
BNA_F
ClientSampleId :
PR132-S14-000094-20251021



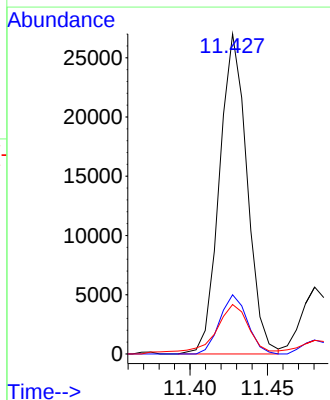
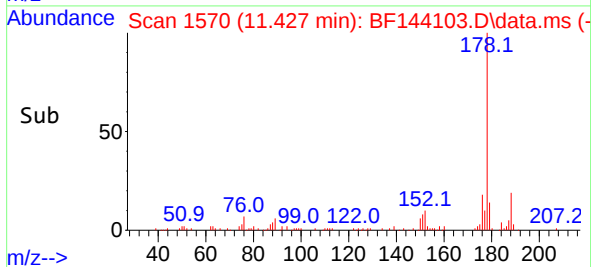
Tgt Ion:248 Resp: 10613
Ion Ratio Lower Upper
248 100
250 195.2 77.8 116.6#
141 427.9 50.5 75.7#

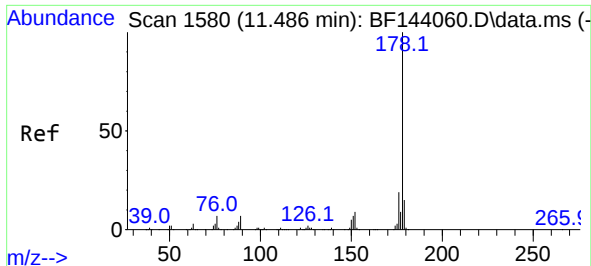


#71
Phenanthrene
Concen: 2.416 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15



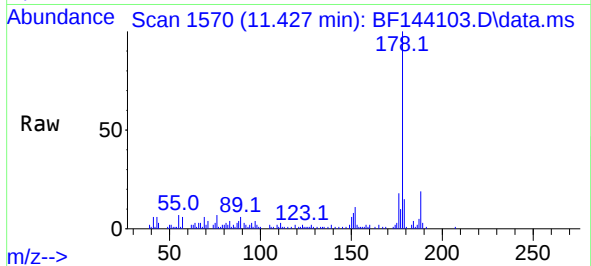
Tgt Ion:178 Resp: 33470
Ion Ratio Lower Upper
178 100
176 18.5 16.3 24.5
179 15.4 12.6 18.8



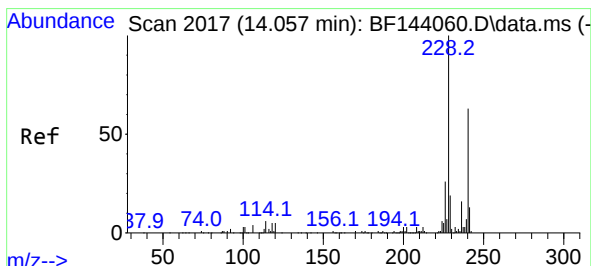
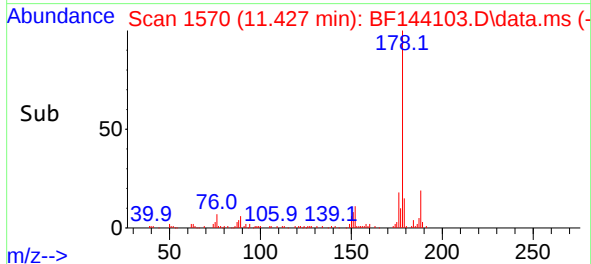
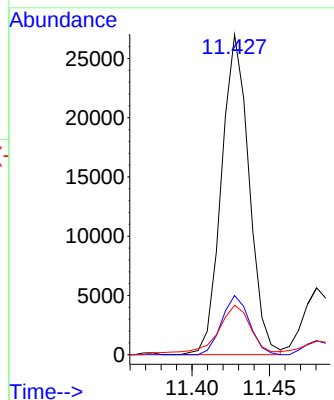


#72
Anthracene
Concen: 2.339 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.059 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PR132-S14-000094-20251021

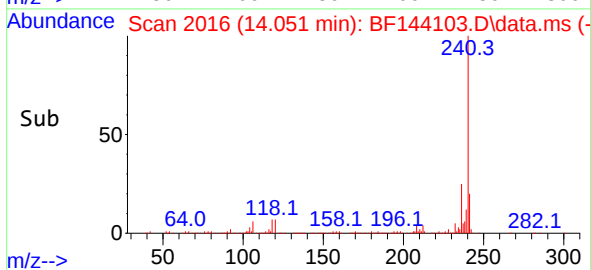
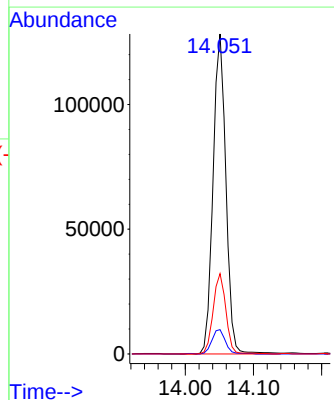
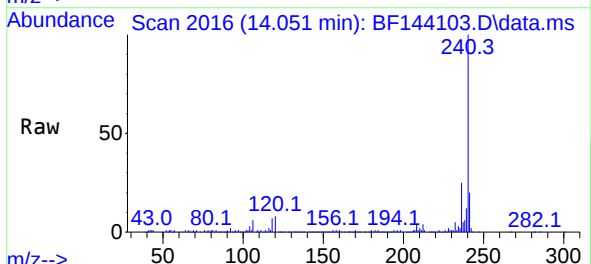


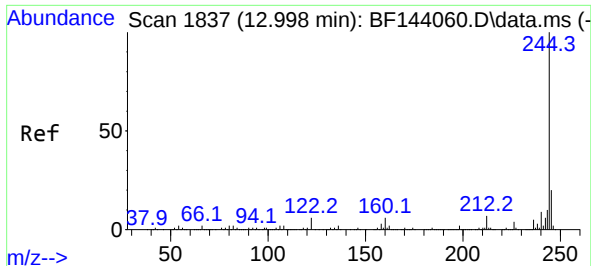
Tgt Ion:178 Resp: 33470
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.4 11.8 17.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144103.D
Acq: 28 Oct 2025 16:15

Tgt Ion:240 Resp: 168137
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 25.1 20.1 30.1

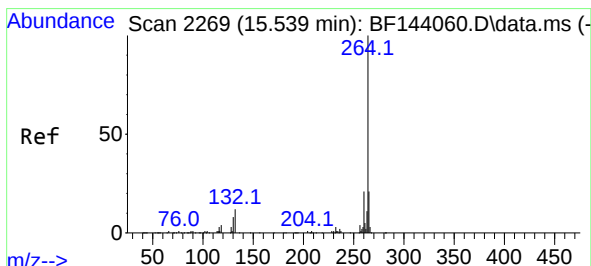
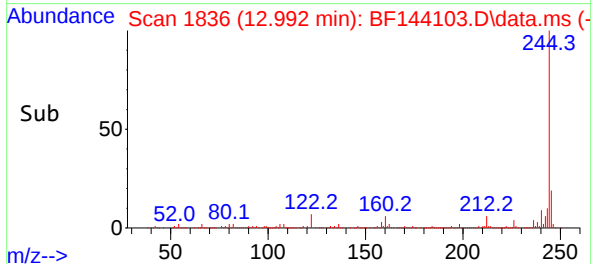
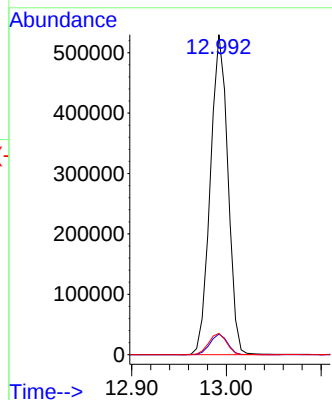
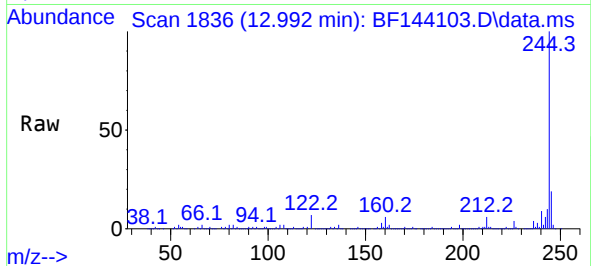




#79
 Terphenyl-d14
 Concen: 70.855 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF144103.D
 Acq: 28 Oct 2025 16:15

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S14-000094-20251021

Tgt Ion:244 Resp: 681459
 Ion Ratio Lower Upper
 244 100
 212 6.4 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: BF144103.D
 Acq: 28 Oct 2025 16:15

Tgt Ion:264 Resp: 161640
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.0 25.4
 265 21.2 16.6 24.8

