

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110325\
 Data File : BF144166.D
 Acq On : 03 Nov 2025 17:56
 Operator : RC/JU
 Sample : Q3512-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10200

Quant Time: Nov 04 10:12:18 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)

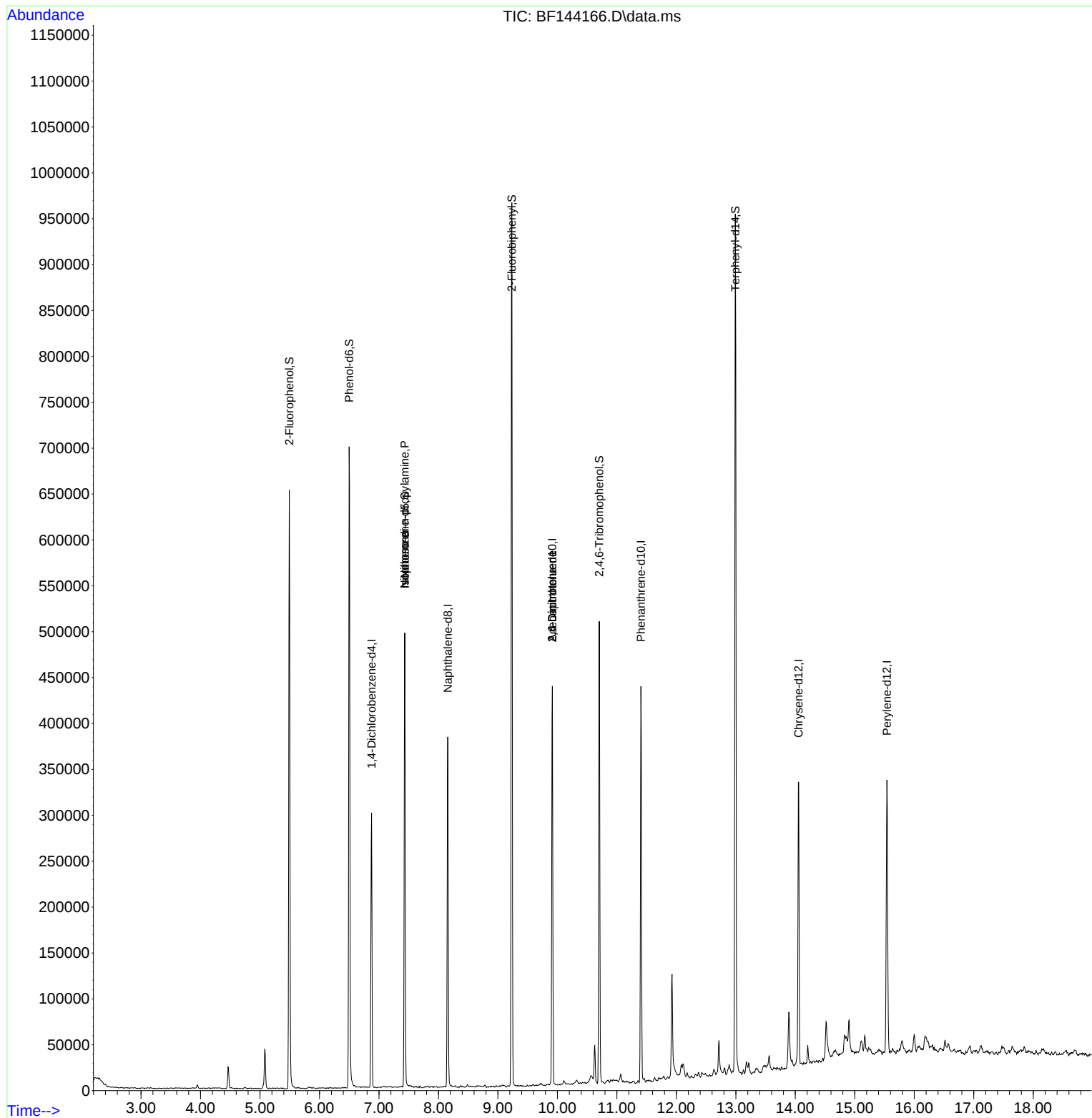
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63504	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	239195	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	137110	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	234383	20.000	ng	0.00
76) Chrysene-d12	14.057	240	166109	20.000	ng	0.00
86) Perylene-d12	15.539	264	192003	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	255157	63.569	ng	0.00
7) Phenol-d6	6.498	99	309490	69.816	ng	0.00
23) Nitrobenzene-d5	7.434	82	199707	45.742	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	99271	56.839	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	455425	46.742	ng	0.00
79) Terphenyl-d14	12.992	244	486458	51.197	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	29734	10.373	ng	# 70
25) Isophorone	7.434	82	197676	25.898	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	17818	10.029	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	17818	7.431	ng	# 25

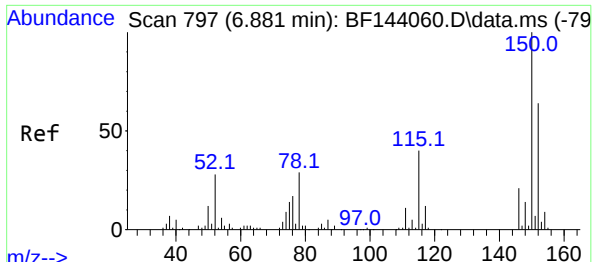
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
Response via : Initial Calibration

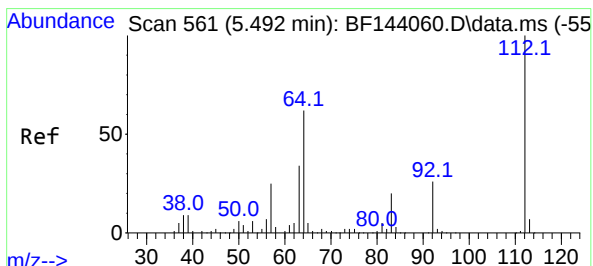
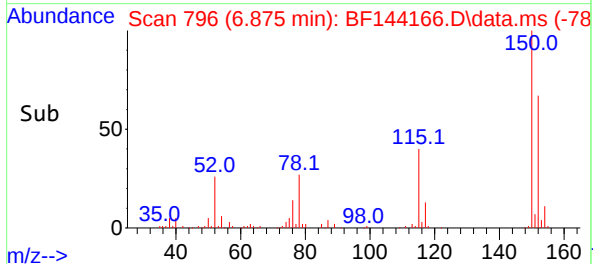
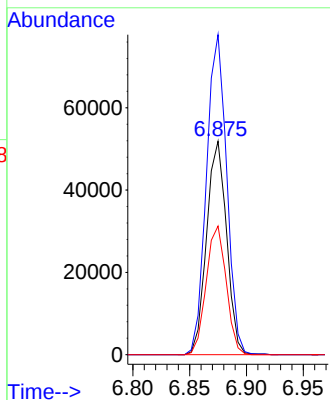
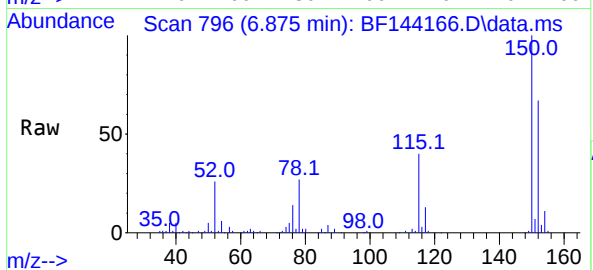




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

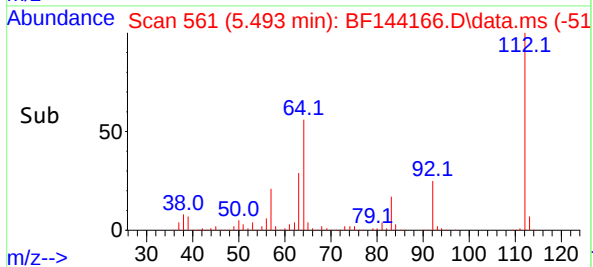
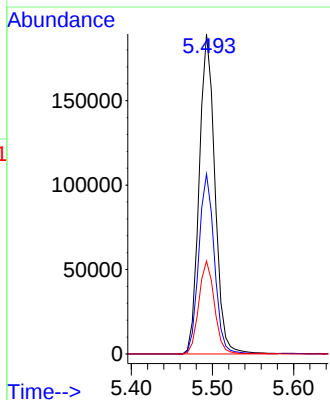
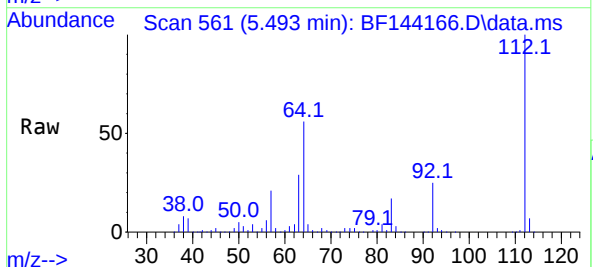
Instrument :
BNA_F
ClientSampleId :
10200

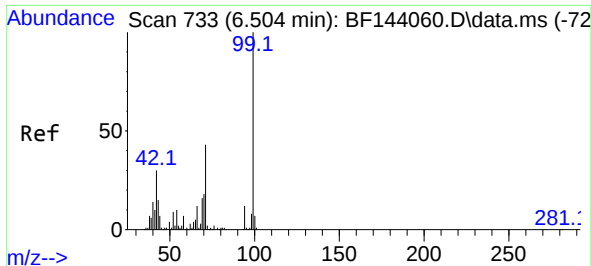
Tgt Ion:152 Resp: 63504
Ion Ratio Lower Upper
152 100
150 149.9 124.4 186.6
115 60.3 49.4 74.0



#5
2-Fluorophenol
Concen: 63.569 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

Tgt Ion:112 Resp: 255157
Ion Ratio Lower Upper
112 100
64 56.3 49.8 74.8
63 29.1 27.4 41.2

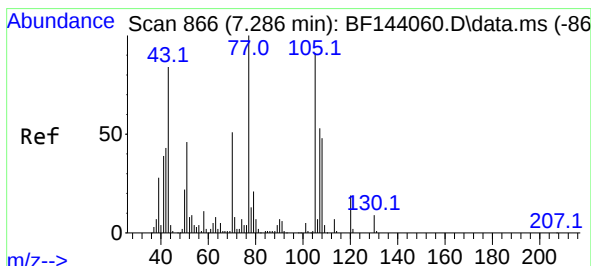
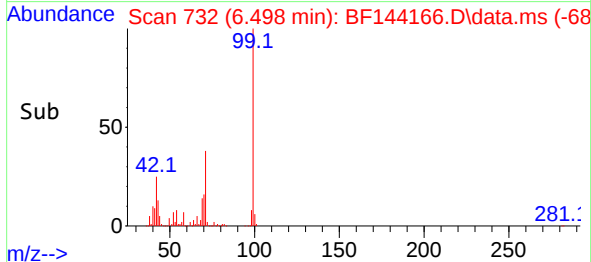
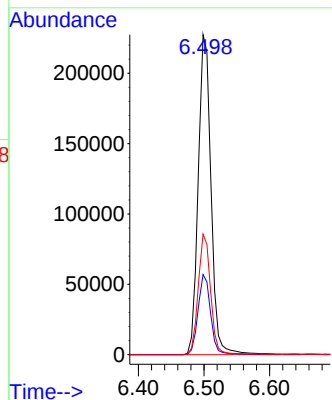
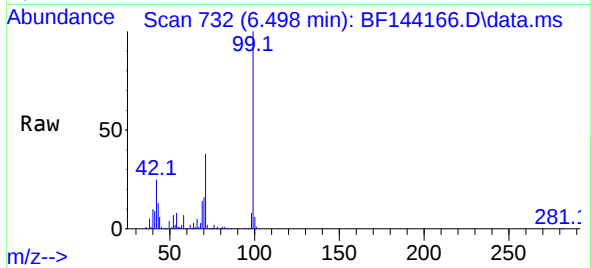




#7
Phenol-d6
Concen: 69.816 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

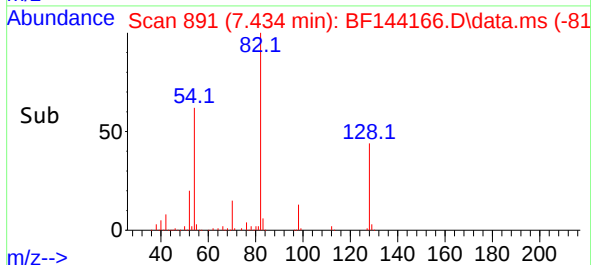
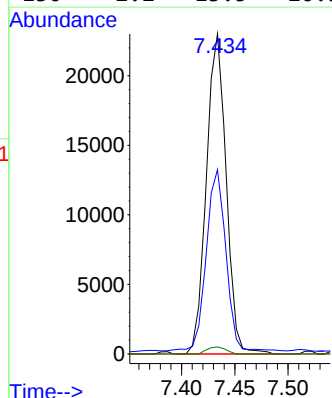
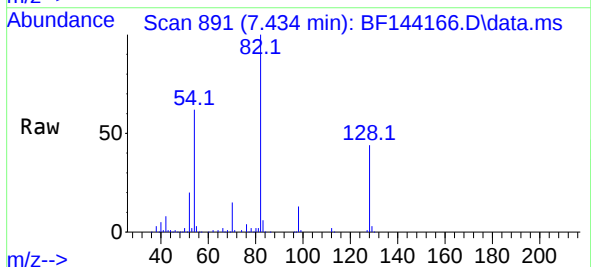
Instrument :
BNA_F
ClientSampleId :
10200

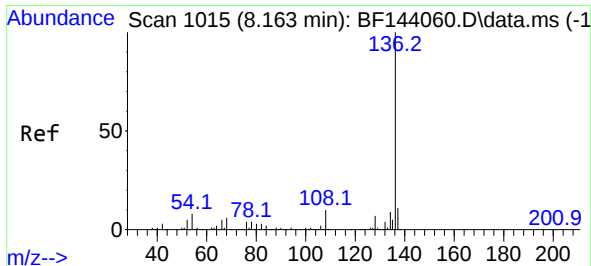
Tgt Ion: 99 Resp: 309490
Ion Ratio Lower Upper
99 100
42 25.1 23.9 35.9
71 37.6 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.373 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.147 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

Tgt Ion: 70 Resp: 29734
Ion Ratio Lower Upper
70 100
42 57.6 67.4 101.0#
101 0.0 7.1 10.7#
130 2.2 13.5 20.3#



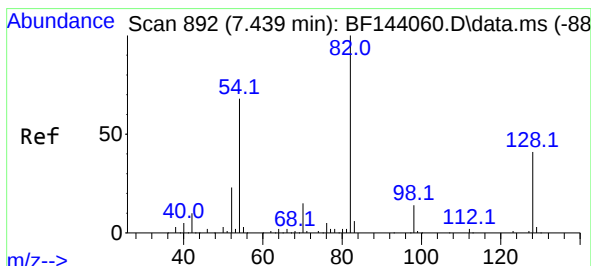
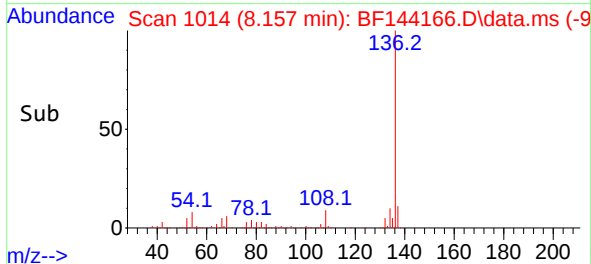
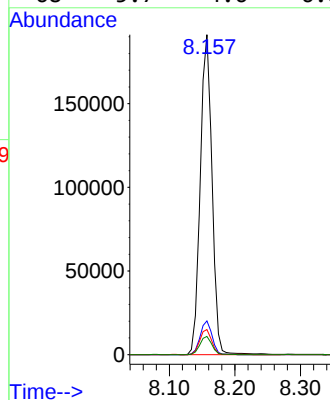
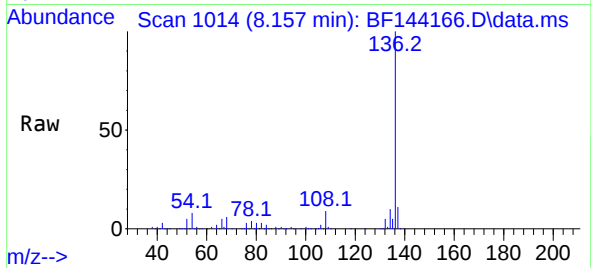


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

Instrument :
BNA_F
ClientSampleId :
10200

Tgt Ion:136 Resp: 239195

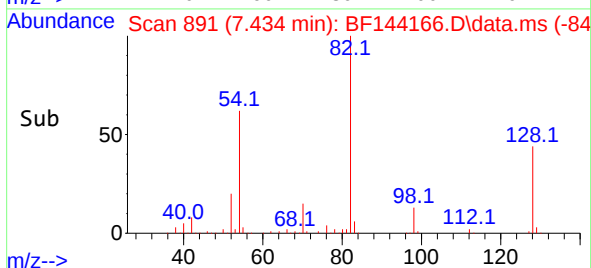
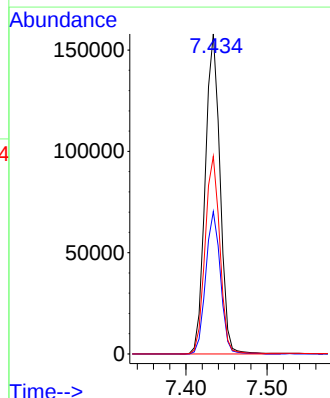
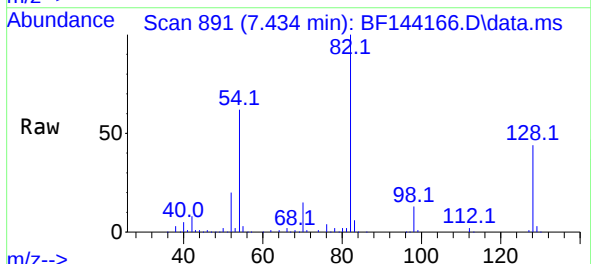
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.8	6.6	9.8
68	5.7	4.6	6.8

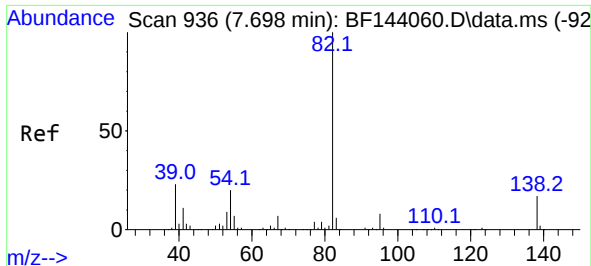


#23
Nitrobenzene-d5
Concen: 45.742 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

Tgt Ion: 82 Resp: 199707

Ion	Ratio	Lower	Upper
82	100		
128	44.5	32.4	48.6
54	61.8	54.0	81.0

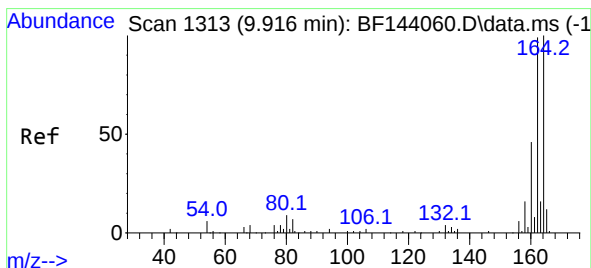
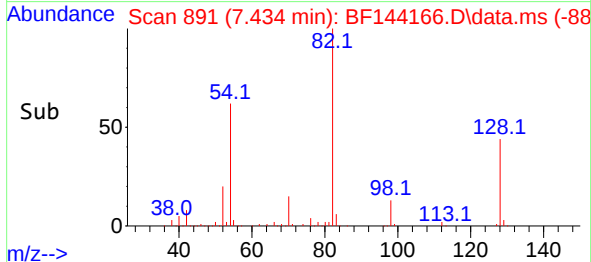
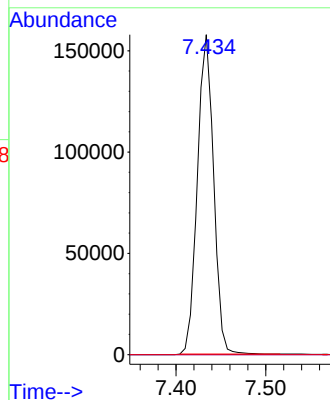
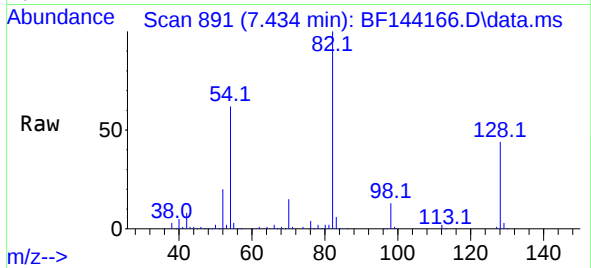




#25
Isophorone
Concen: 25.898 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.264 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

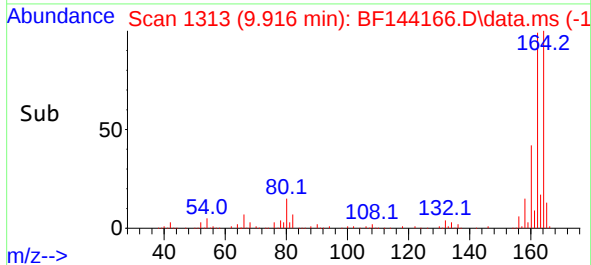
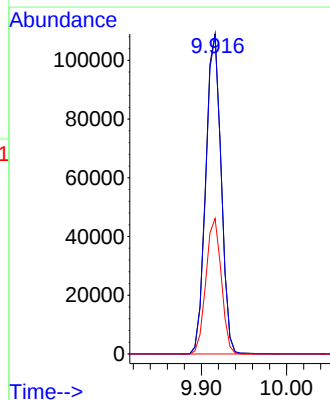
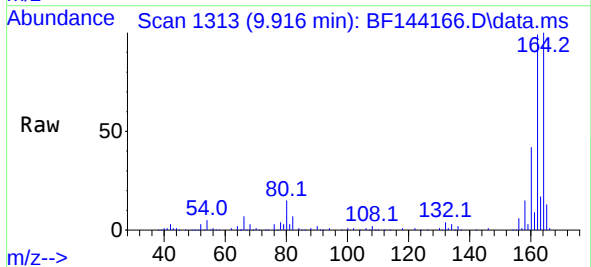
Instrument :
BNA_F
ClientSampleId :
10200

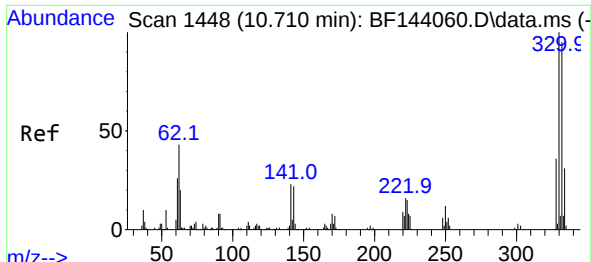
Tgt Ion: 82 Resp: 197676
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

Tgt Ion:164 Resp: 137110
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.2
160 42.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 56.839 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF144166.D

Acq: 03 Nov 2025 17:56

Instrument :

BNA_F

ClientSampleId :

10200

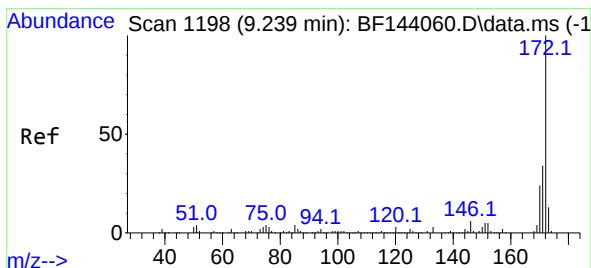
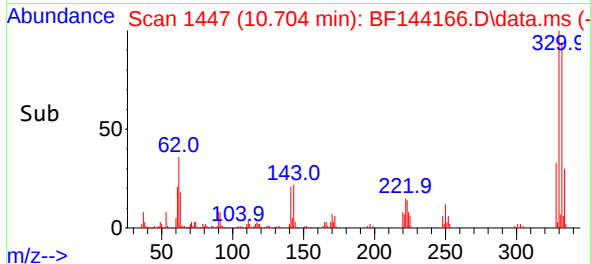
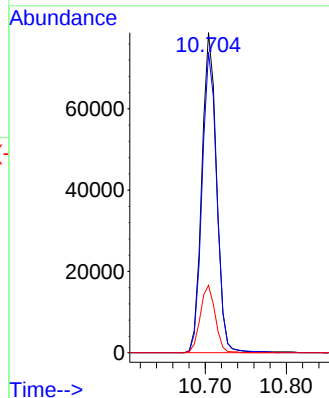
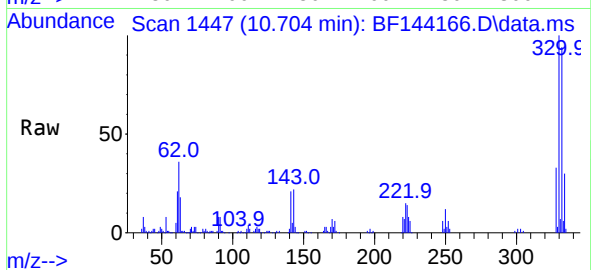
Tgt Ion:330 Resp: 99271

Ion Ratio Lower Upper

330 100

332 94.0 77.0 115.6

141 21.3 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 46.742 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144166.D

Acq: 03 Nov 2025 17:56

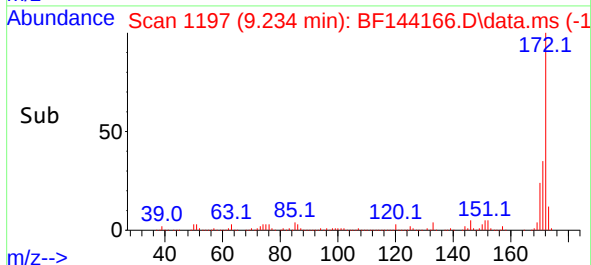
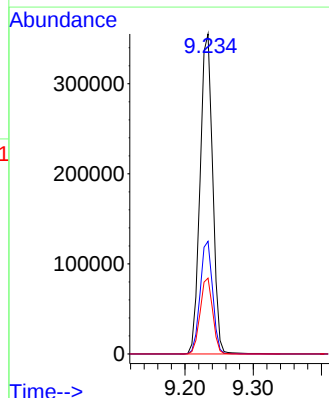
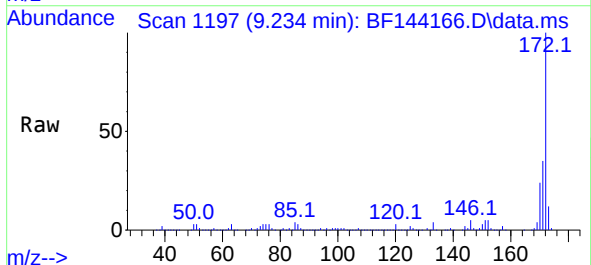
Tgt Ion:172 Resp: 455425

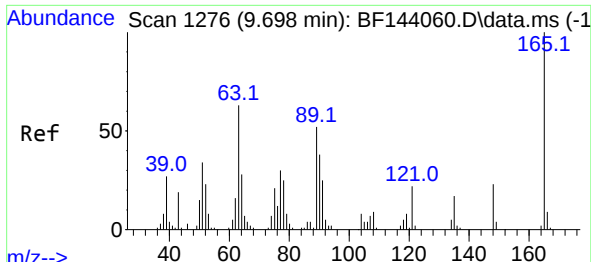
Ion Ratio Lower Upper

172 100

171 35.2 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: BF144166.D

Acq: 03 Nov 2025 17:56

Instrument :

BNA_F

ClientSampleId :

10200

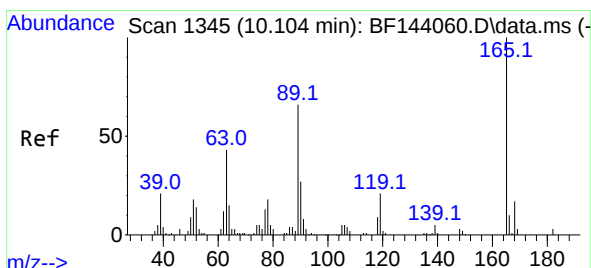
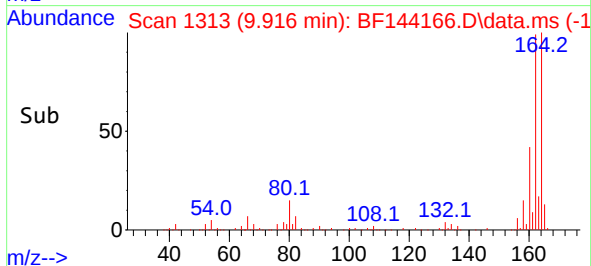
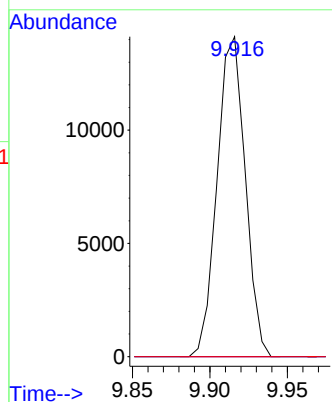
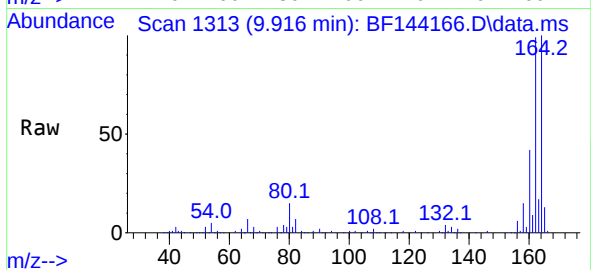
Tgt Ion:165 Resp: 17818

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: 7.431 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144166.D

Acq: 03 Nov 2025 17:56

Tgt Ion:165 Resp: 17818

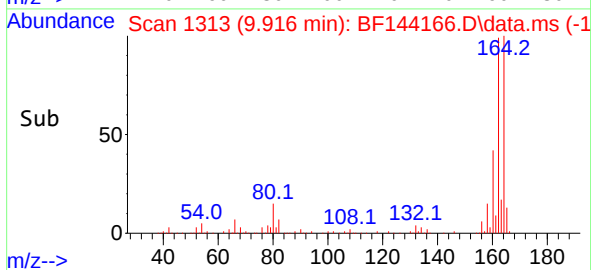
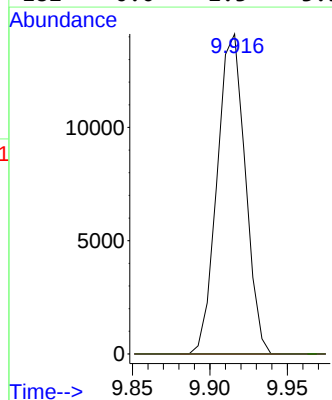
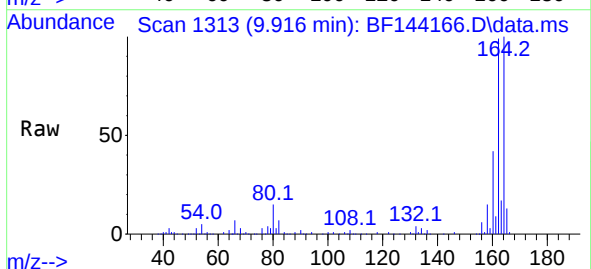
Ion Ratio Lower Upper

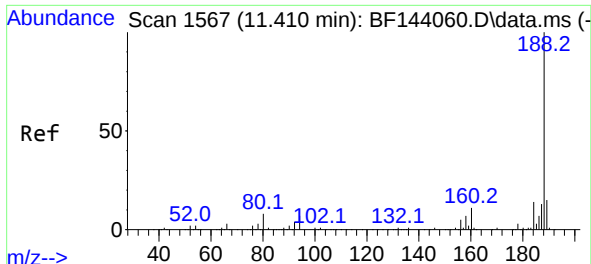
165 100

63 0.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#

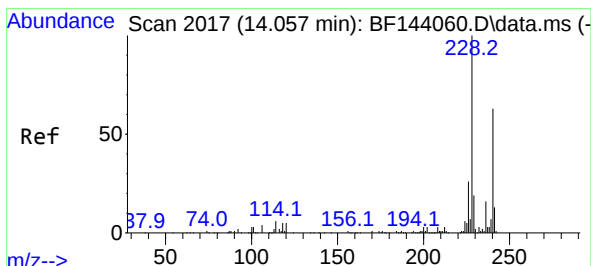
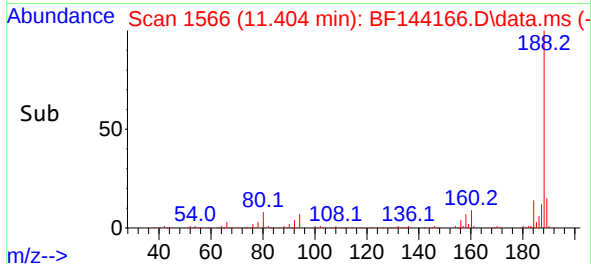
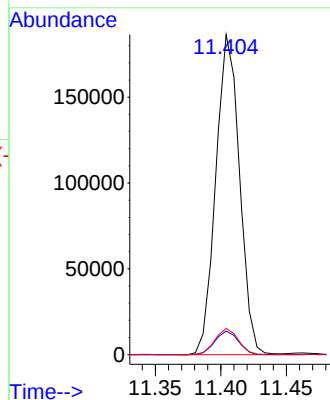
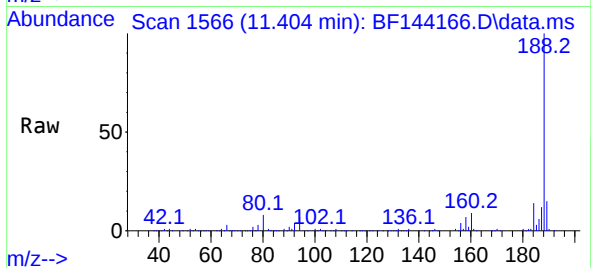




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

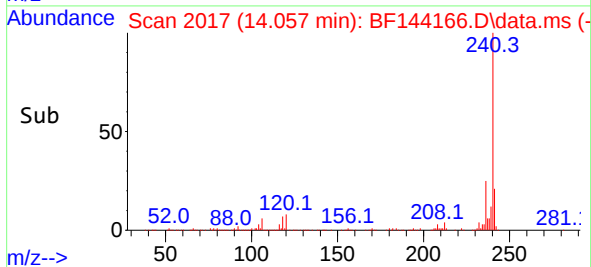
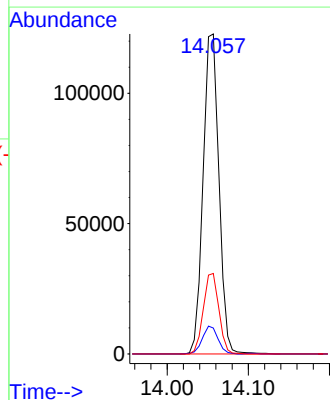
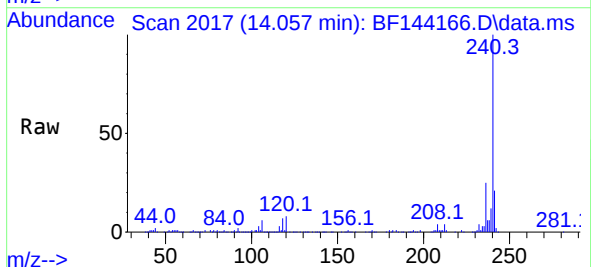
Instrument :
BNA_F
ClientSampleId :
10200

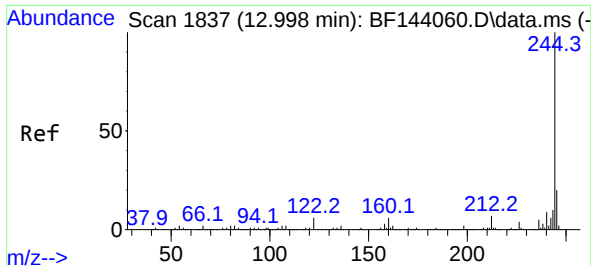
Tgt Ion:188 Resp: 234383
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 8.2 6.0 9.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144166.D
Acq: 03 Nov 2025 17:56

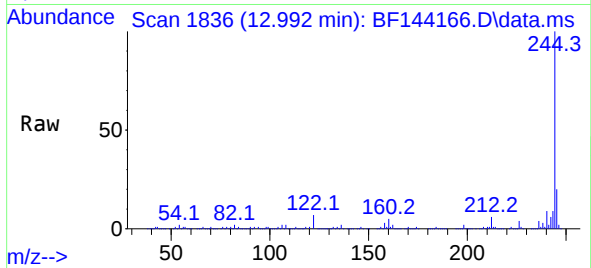
Tgt Ion:240 Resp: 166109
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 25.1 20.1 30.1



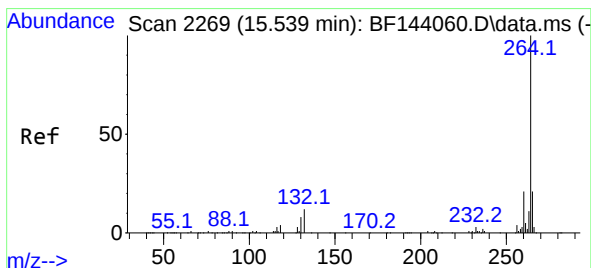
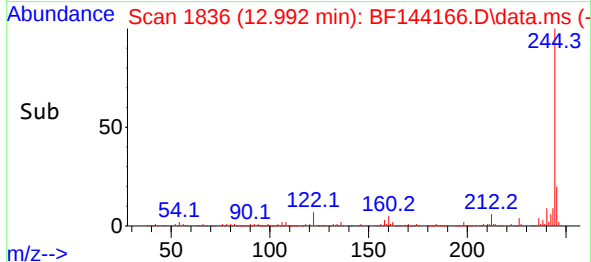
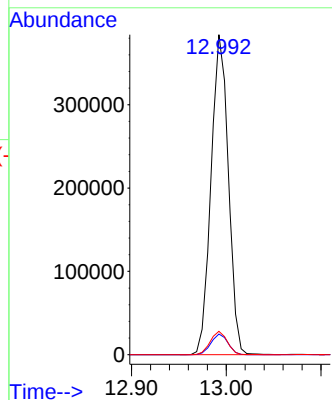


#79
 Terphenyl-d14
 Concen: 51.197 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF144166.D
 Acq: 03 Nov 2025 17:56

Instrument :
 BNA_F
 ClientSampleId :
 10200



Tgt Ion:244 Resp: 486458
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.6
 122 7.3 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. 0.000 min
 Lab File: BF144166.D
 Acq: 03 Nov 2025 17:56

Tgt Ion:264 Resp: 192003
 Ion Ratio Lower Upper
 264 100
 260 21.8 17.0 25.4
 265 20.8 16.6 24.8

