

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143056.D
 Acq On : 09 Jul 2025 14:58
 Operator : RC/JU
 Sample : Q2489-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G3(0-6)

Quant Time: Jul 09 16:03:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

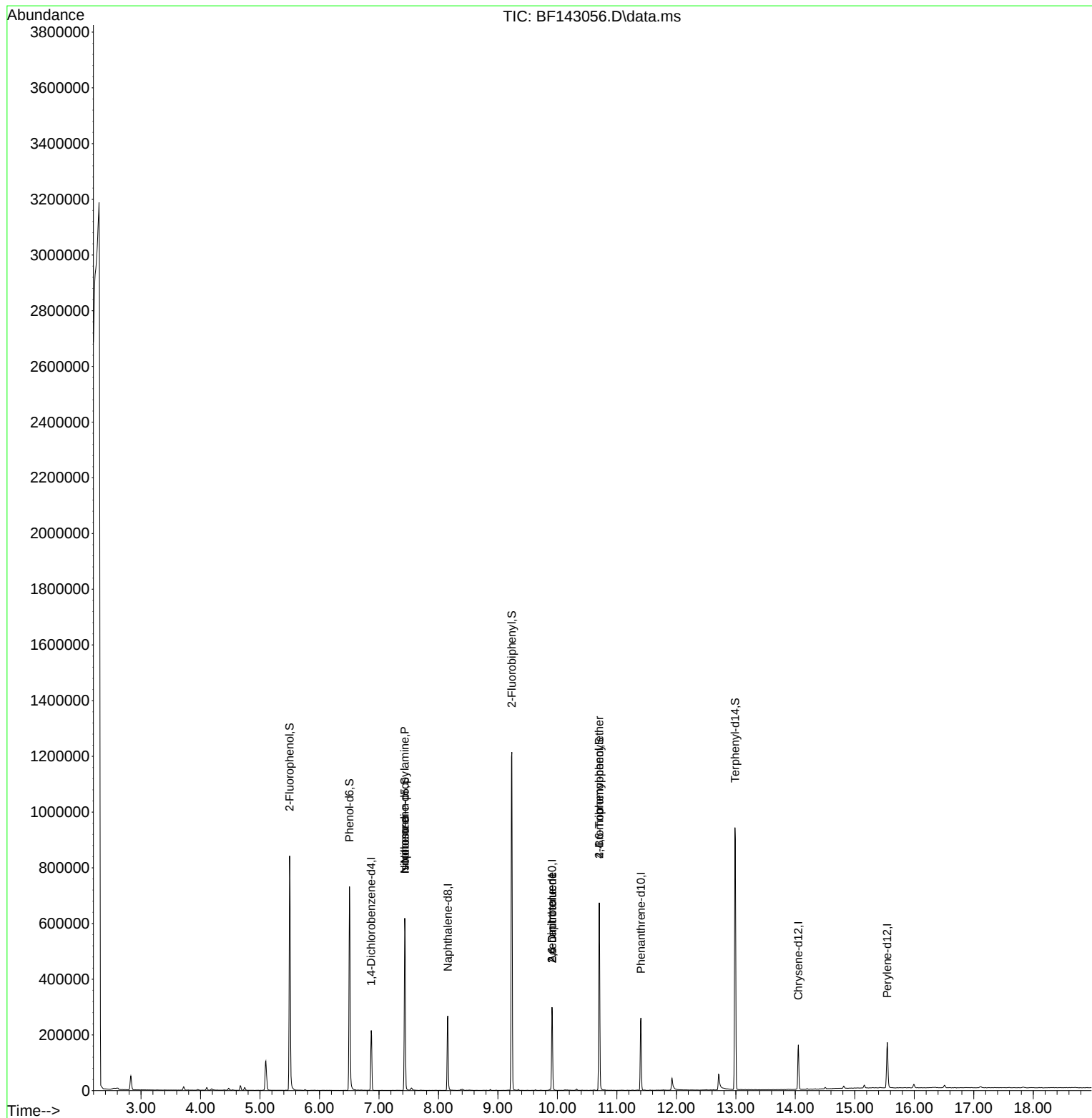
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	48079	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	180422	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	91584	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	143380	20.000	ng	0.00
76) Chrysene-d12	14.051	240	82579	20.000	ng	0.00
86) Perylene-d12	15.545	264	96581	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	338055	117.065	ng	0.00
7) Phenol-d6	6.504	99	353958	103.892	ng	0.00
23) Nitrobenzene-d5	7.434	82	269977	82.077	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	118480	125.713	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	559320	80.228	ng	-0.01
79) Terphenyl-d14	12.986	244	468131	78.327	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	36026	18.181	ng	# 74
25) Isophorone	7.434	82	269974	51.164	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	11585	8.899	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	11585	6.699	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	7692	4.714	ng	# 1

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

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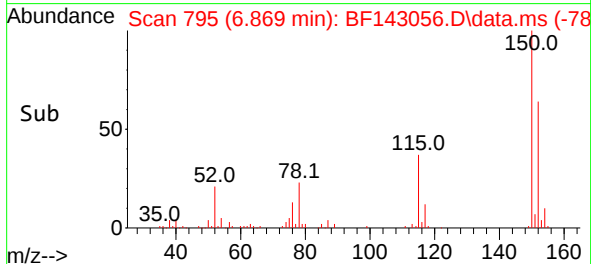
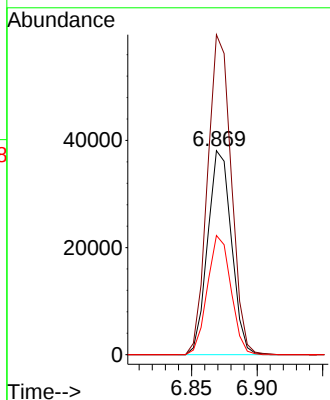
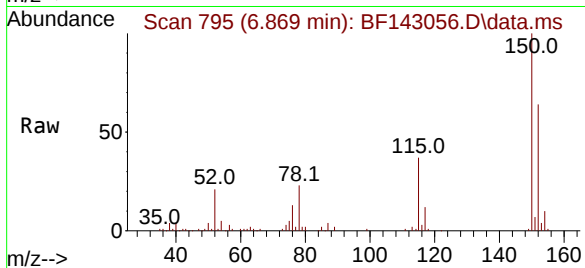




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF143056.D
 Acq: 09 Jul 2025 14:58

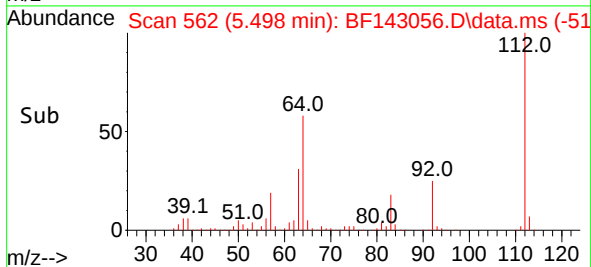
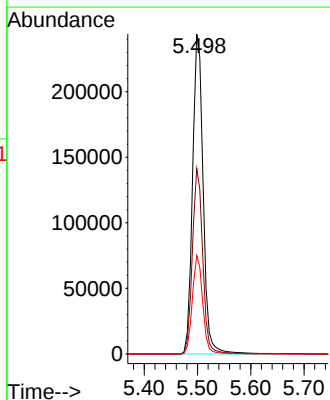
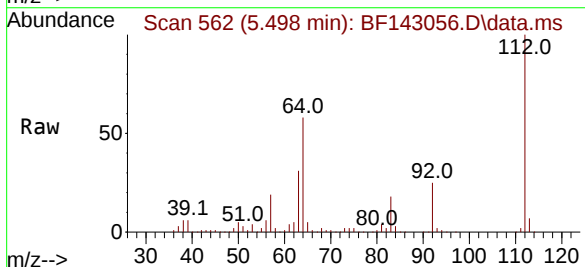
Instrument :
 BNA_F
 ClientSampleId :
 G3(0-6)

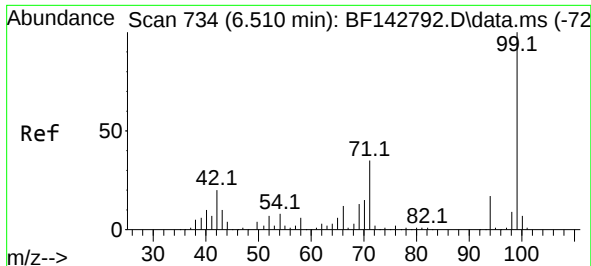
Tgt Ion:152 Resp: 48079
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.2 190.8
 115 58.5 46.6 69.8



#5
 2-Fluorophenol
 Concen: 117.065 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF143056.D
 Acq: 09 Jul 2025 14:58

Tgt Ion:112 Resp: 338055
 Ion Ratio Lower Upper
 112 100
 64 57.9 48.2 72.2
 63 30.8 25.7 38.5

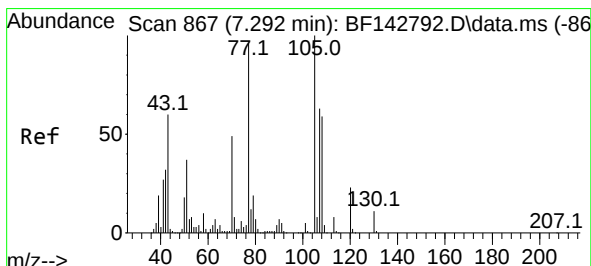
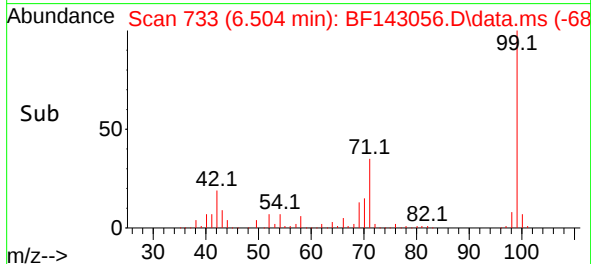
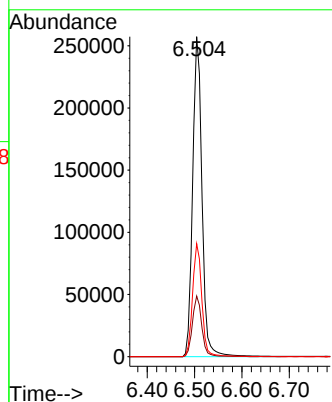
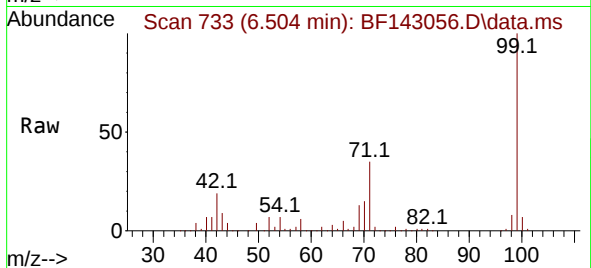




#7
Phenol-d6
Concen: 103.892 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

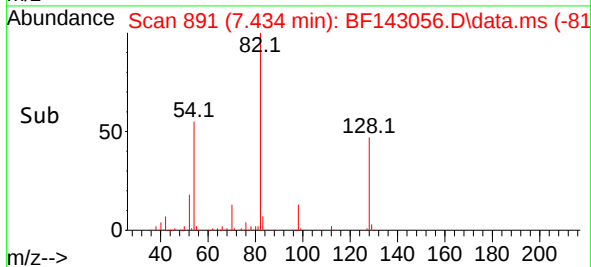
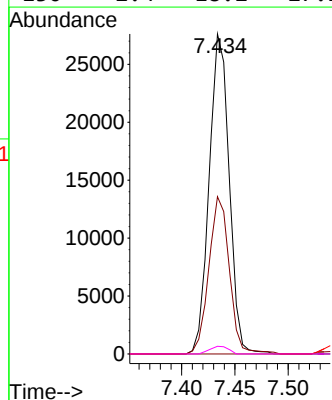
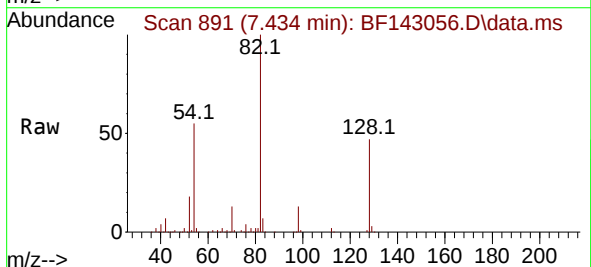
Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion: 99 Resp: 353958
Ion Ratio Lower Upper
99 100
42 19.0 15.9 23.9
71 35.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.181 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion: 70 Resp: 36026
Ion Ratio Lower Upper
70 100
42 49.1 52.1 78.1#
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#

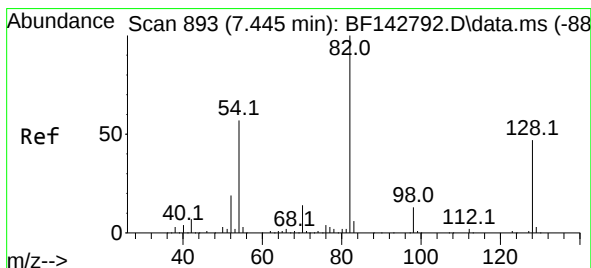
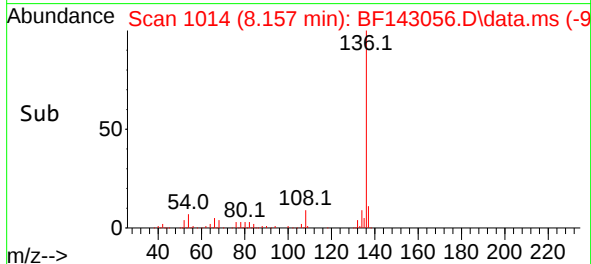
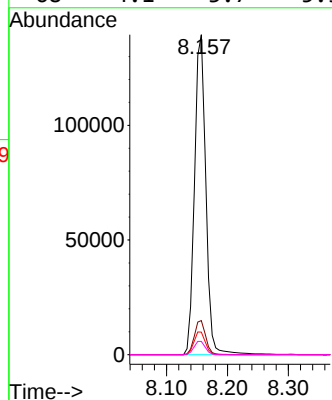
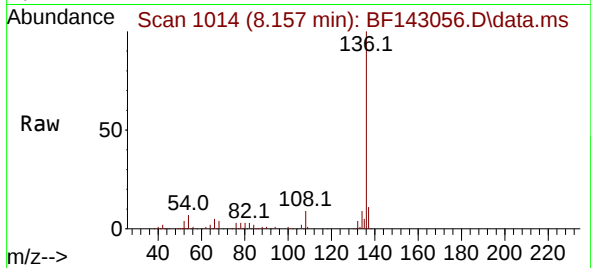




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

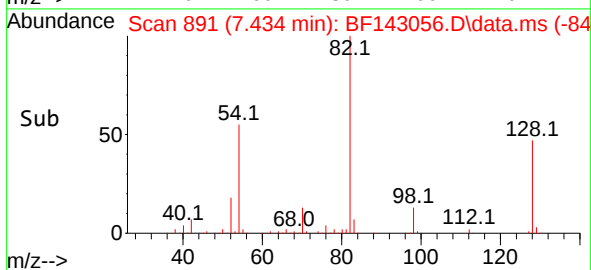
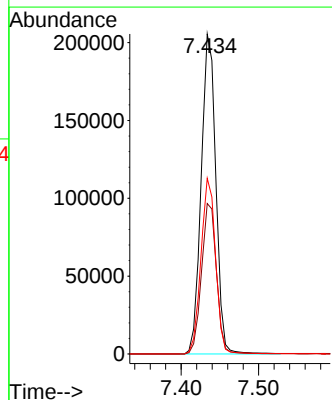
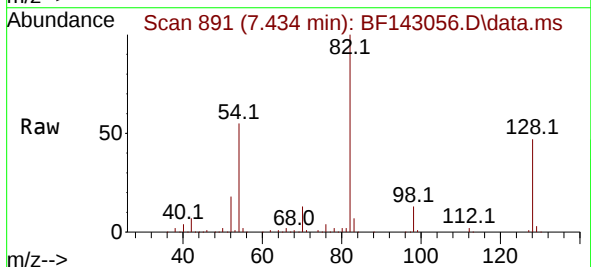
Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:	136	Resp:	180422
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.1	6.3	9.5
68	4.1	3.7	5.5



#23
Nitrobenzene-d5
Concen: 82.077 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:	82	Resp:	269977
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	54.9	45.7	68.5

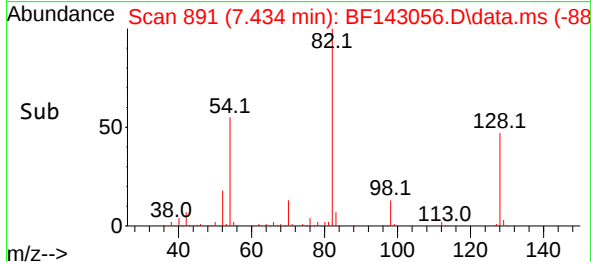
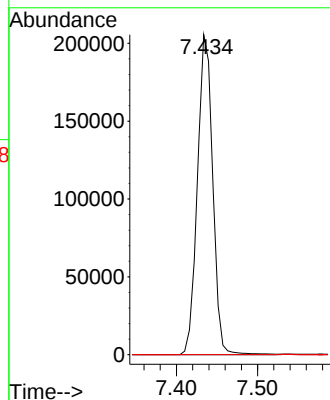
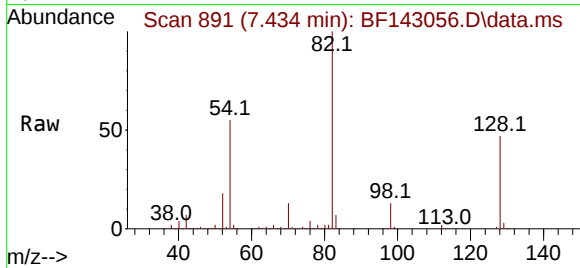




#25
Isophorone
Concen: 51.164 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

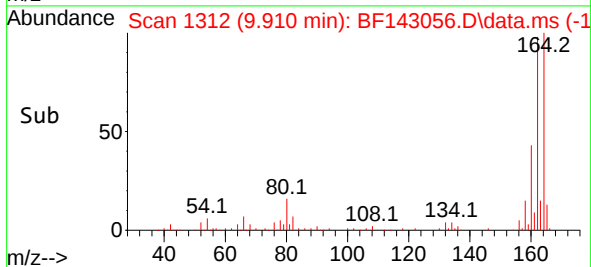
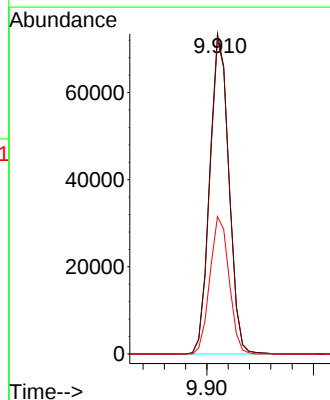
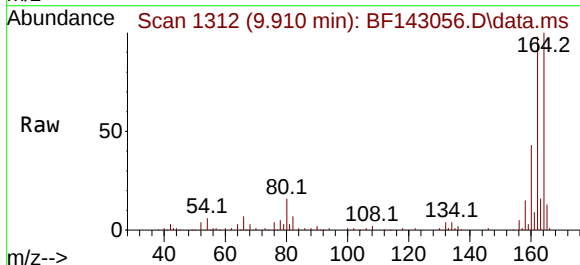
Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion: 82 Resp: 269974
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

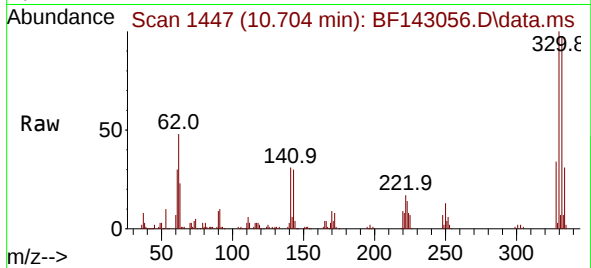
Tgt Ion:164 Resp: 91584
Ion Ratio Lower Upper
164 100
162 98.5 81.8 122.8
160 42.9 36.0 54.0



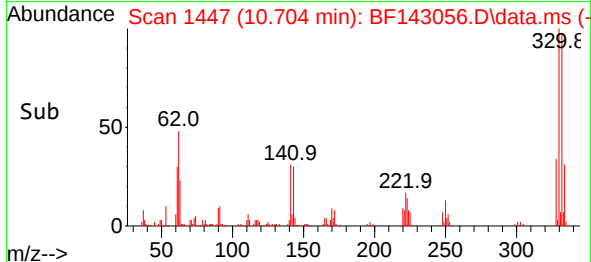
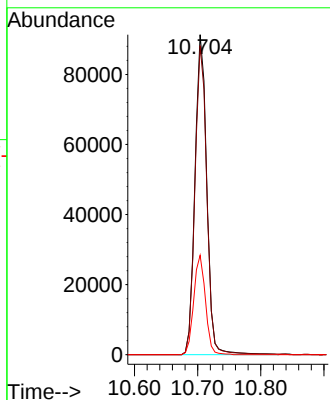


#42
2,4,6-Tribromophenol
Concen: 125.713 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

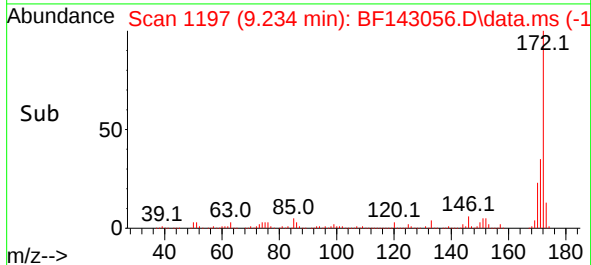
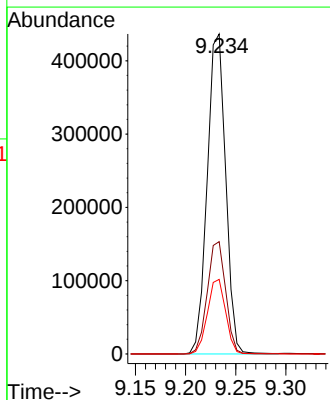
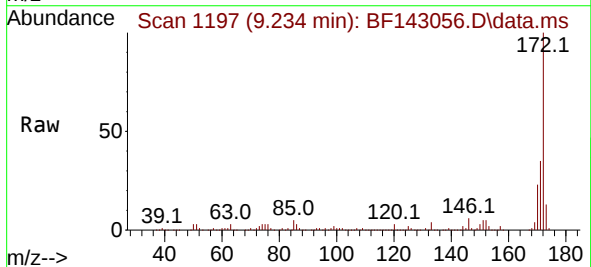


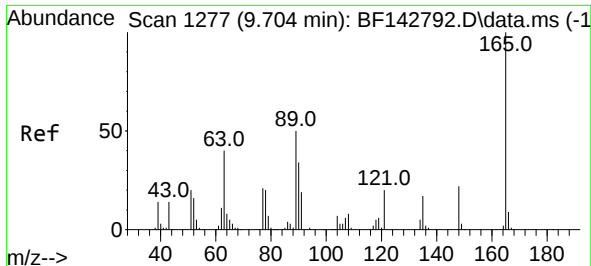
Tgt Ion:330 Resp: 118480
Ion Ratio Lower Upper
330 100
332 96.7 75.0 112.6
141 30.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 80.228 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:172 Resp: 559320
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.3 18.5 27.7

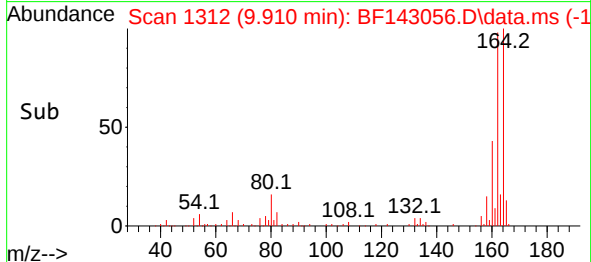
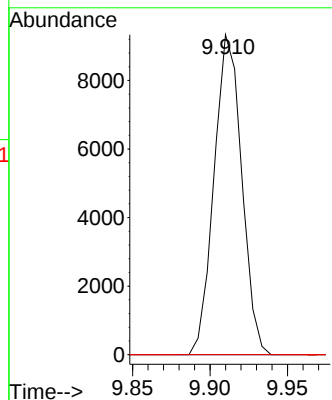
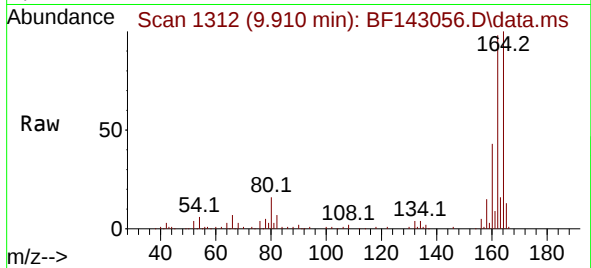




#51
2,6-Dinitrotoluene
Concen: 8.899 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

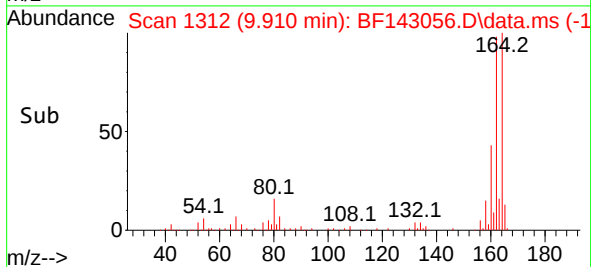
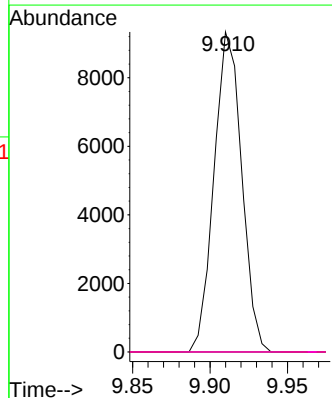
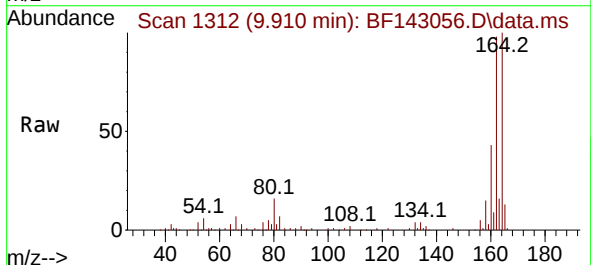
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ClientSampleId :
G3(0-6)

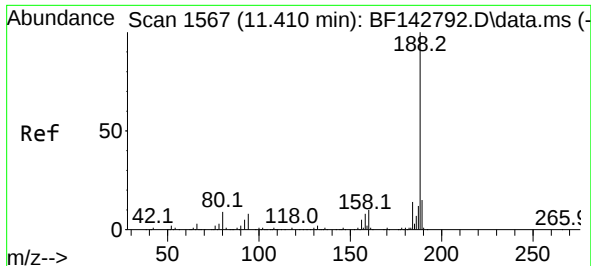
Tgt Ion:165 Resp: 11585
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.699 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:165 Resp: 11585
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

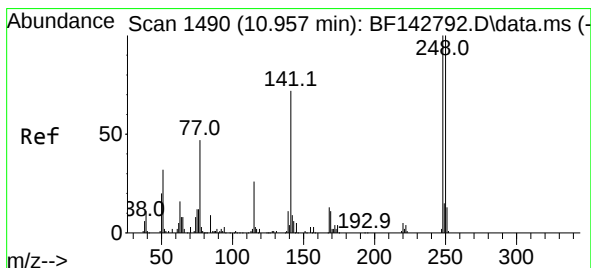
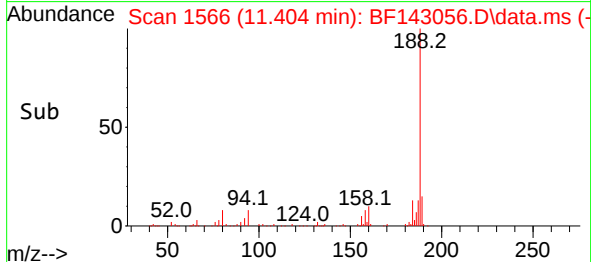
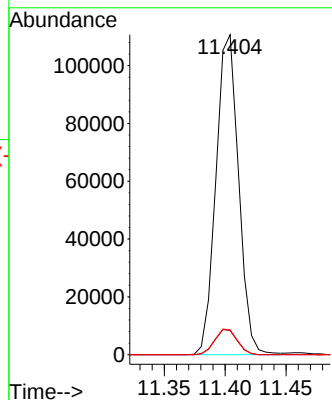
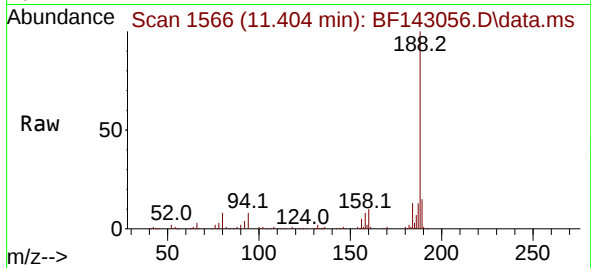




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

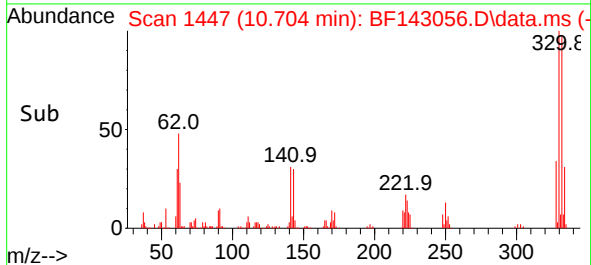
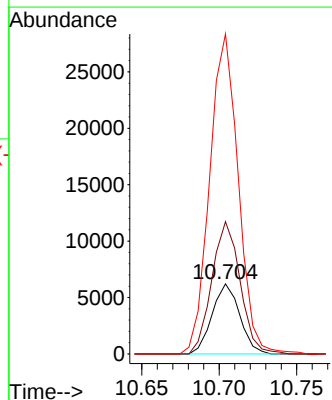
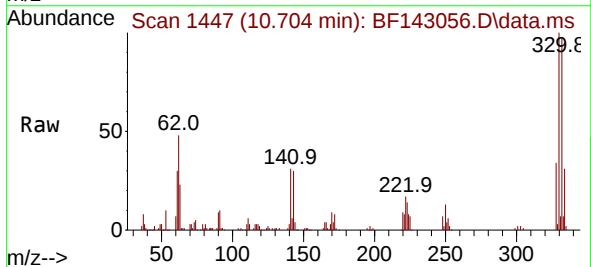
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G3(0-6)

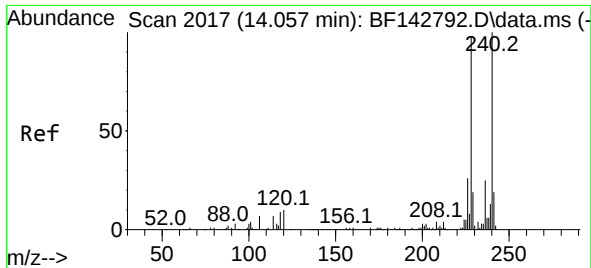
Tgt Ion:188 Resp: 143380
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 7.8 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.714 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:248 Resp: 7692
Ion Ratio Lower Upper
248 100
250 188.6 79.8 119.8#
141 456.3 57.8 86.6#

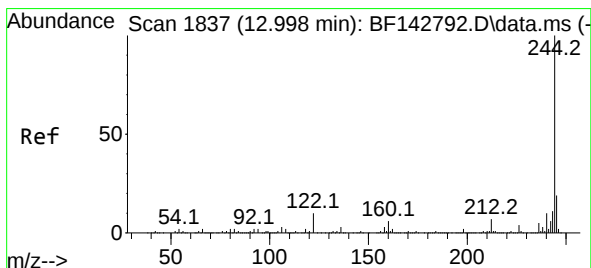
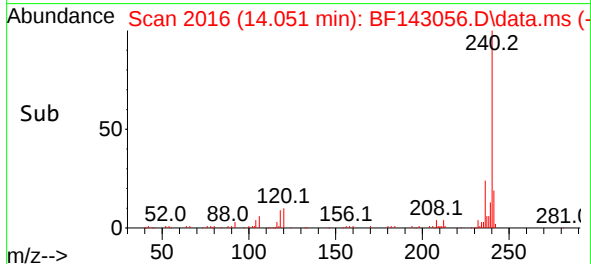
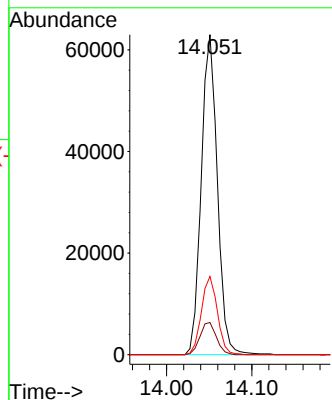
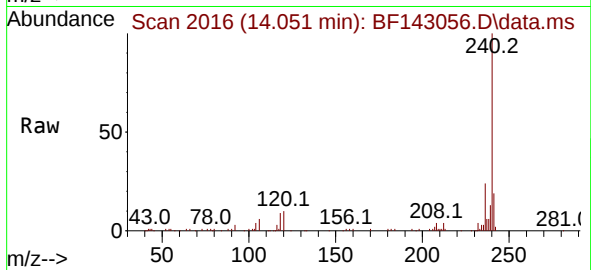




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

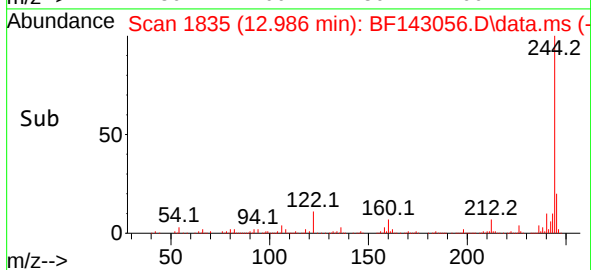
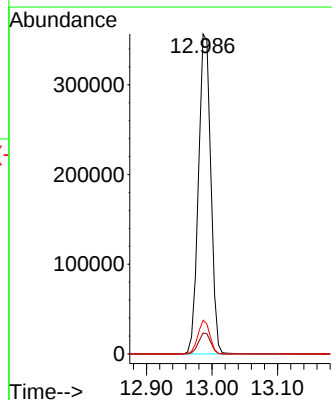
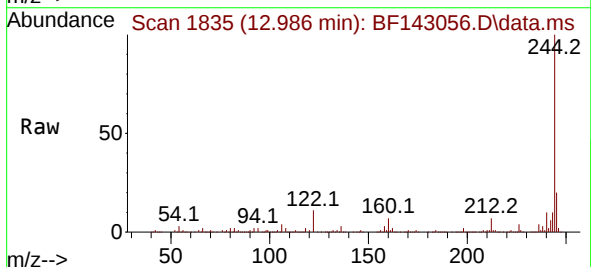
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BNA_F
ClientSampleId :
G3(0-6)

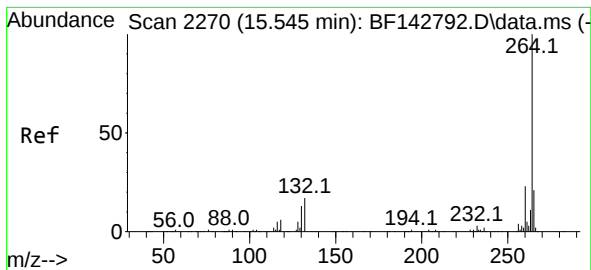
Tgt Ion:240 Resp: 82579
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 24.5 19.8 29.8



#79
Terphenyl-d14
Concen: 78.327 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF143056.D
Acq: 09 Jul 2025 14:58

Tgt Ion:244 Resp: 468131
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 10.6 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143056.D

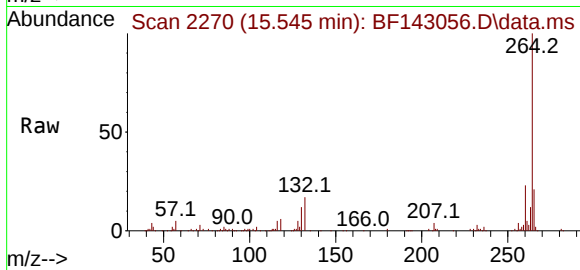
Acq: 09 Jul 2025 14:58

Instrument :

BNA_F

ClientSampleId :

G3(0-6)



Tgt Ion:264 Resp: 96581

Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 21.3 16.6 25.0

