

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142769.D
 Acq On : 12 Jun 2025 20:56
 Operator : RC/JU
 Sample : Q2278-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jun 13 01:01:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

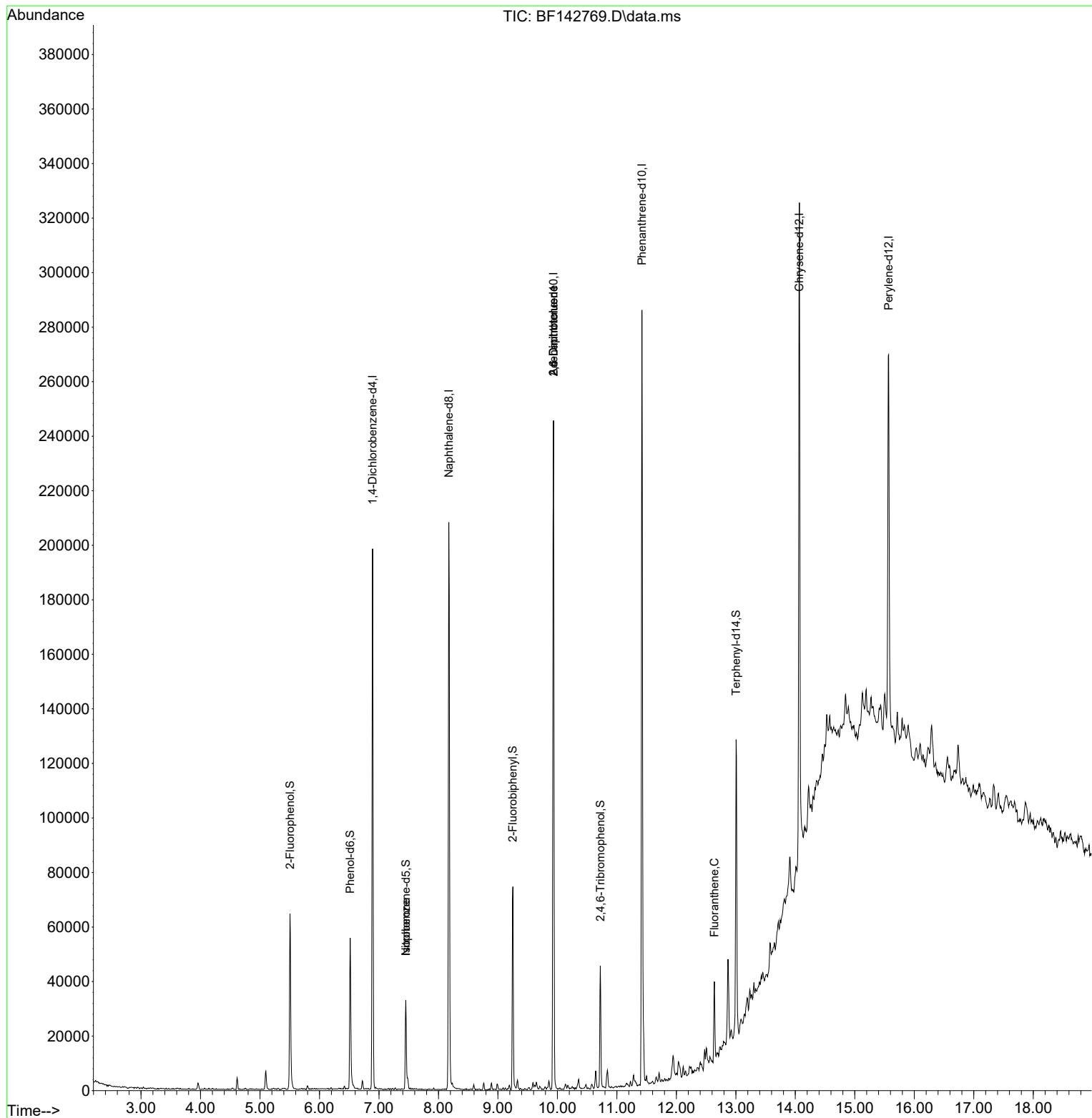
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	43219	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	139427	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	73102	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	148760	20.000	ng	0.00
76) Chrysene-d12	14.068	240	117464	20.000	ng	0.00
86) Perylene-d12	15.568	264	84130	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	27020	10.648	ng	0.00
7) Phenol-d6	6.516	99	28476	9.535	ng	0.00
23) Nitrobenzene-d5	7.451	82	15852	6.222	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	7915	9.879	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	36782	6.685	ng	0.00
79) Terphenyl-d14	13.004	244	52104	6.092	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.451	82	15854	3.675	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	9643	9.140	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	9643	6.913	ng	# 26
75) Fluoranthene	12.639	202	16332	2.155	ng	98

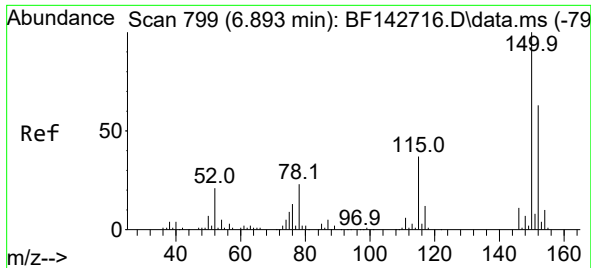
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 01:01:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

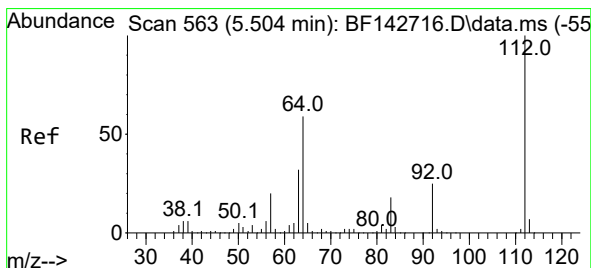
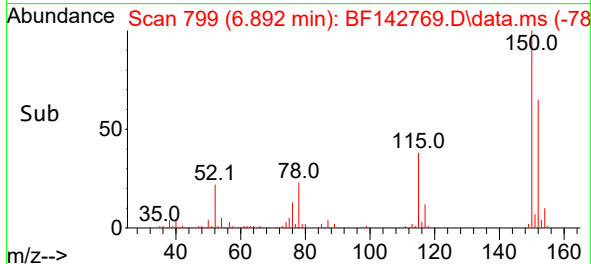
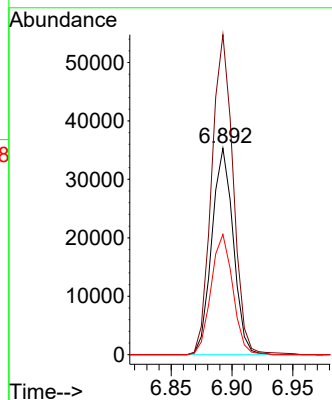
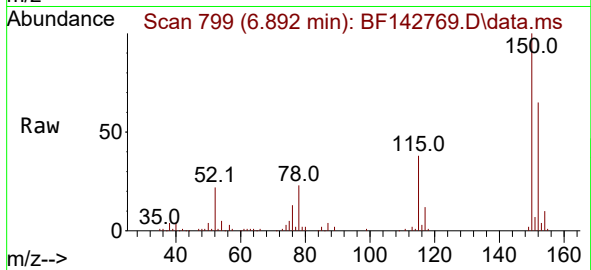




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142769.D
Acq: 12 Jun 2025 20:56

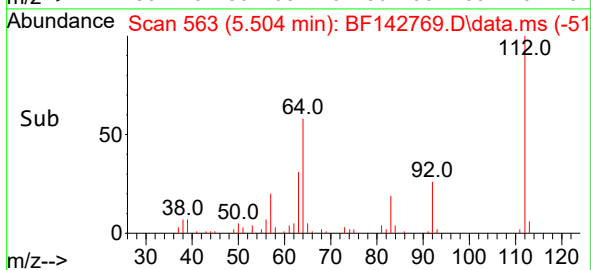
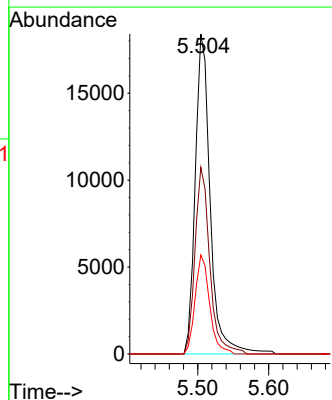
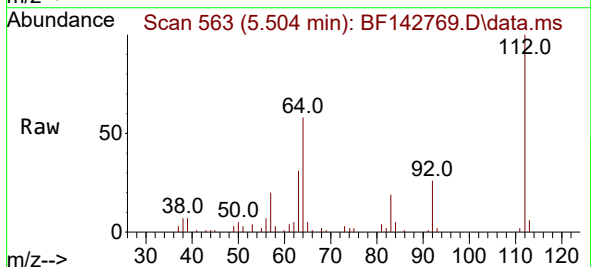
Instrument :
BNA_F
ClientSampleId :
TP-2

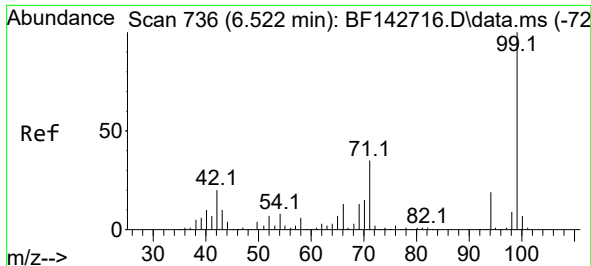
Tgt Ion:152 Resp: 43219
Ion Ratio Lower Upper
152 100
150 155.0 126.9 190.3
115 58.3 47.0 70.6



#5
2-Fluorophenol
Concen: 10.648 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142769.D
Acq: 12 Jun 2025 20:56

Tgt Ion:112 Resp: 27020
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.2
63 30.9 25.4 38.0

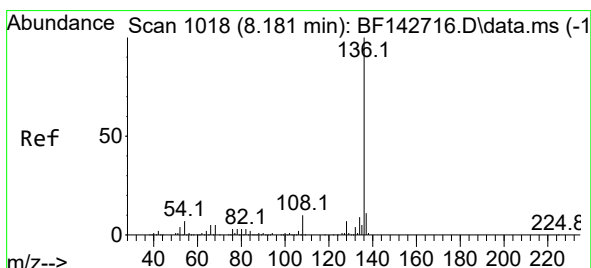
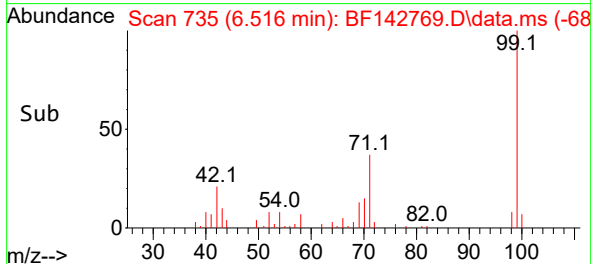
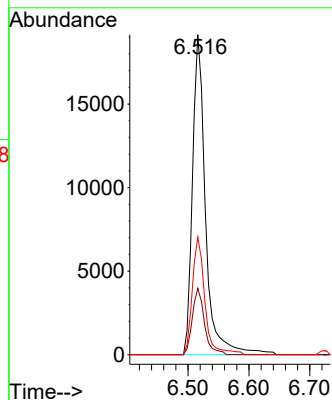
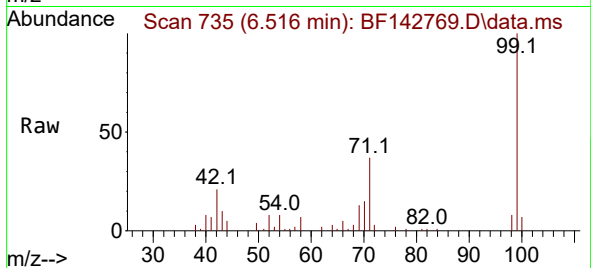




#7
Phenol-d6
Concen: 9.535 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142769.D
Acq: 12 Jun 2025 20:56

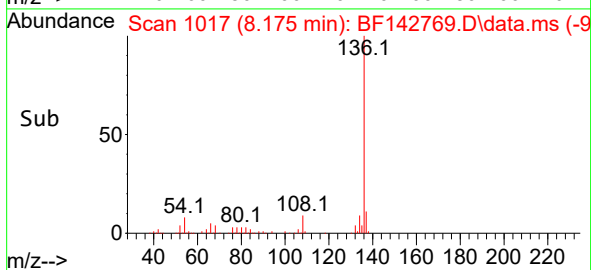
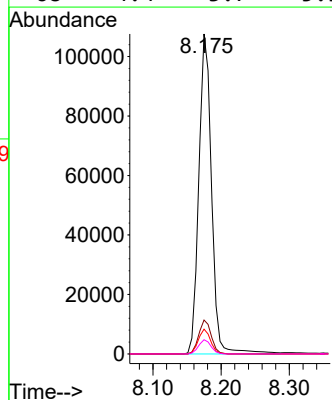
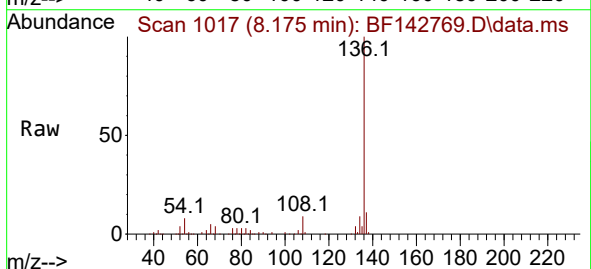
Instrument :
BNA_F
ClientSampleId :
TP-2

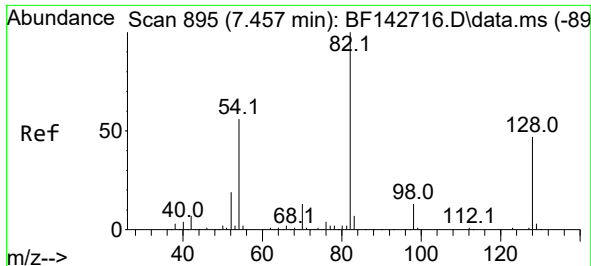
Tgt Ion: 99 Resp: 28476
Ion Ratio Lower Upper
99 100
42 20.7 15.9 23.9
71 36.7 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142769.D
Acq: 12 Jun 2025 20:56

Tgt Ion: 136 Resp: 139427
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 7.7 5.9 8.9
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 6.222 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142769.D

Acq: 12 Jun 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TP-2

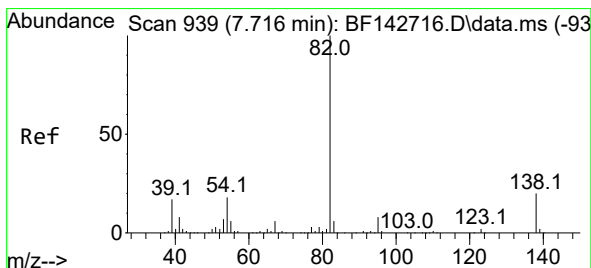
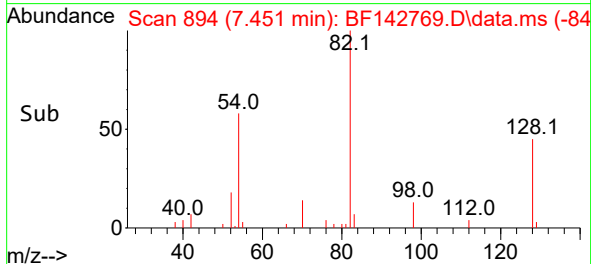
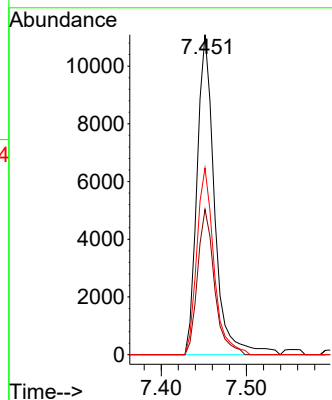
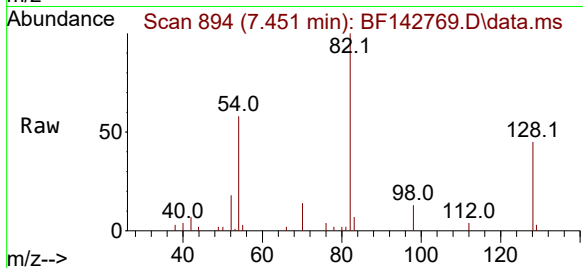
Tgt Ion: 82 Resp: 15852

Ion Ratio Lower Upper

82 100

128 45.4 37.8 56.8

54 58.3 44.9 67.3



#25

Isophorone

Concen: 3.675 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.265 min

Lab File: BF142769.D

Acq: 12 Jun 2025 20:56

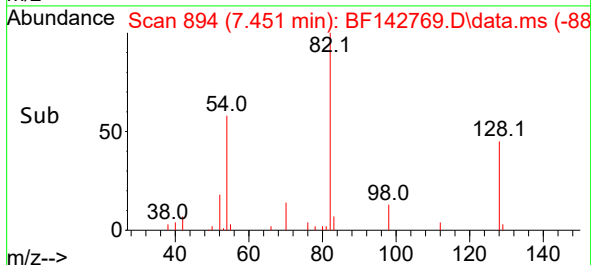
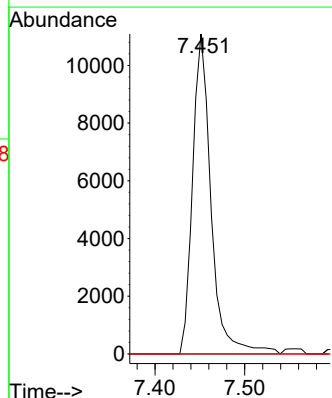
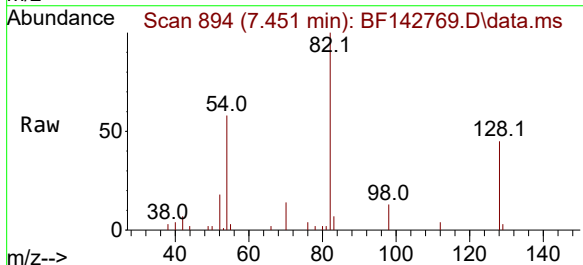
Tgt Ion: 82 Resp: 15854

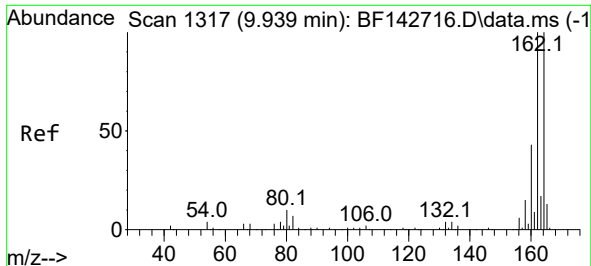
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.8 23.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142769.D

Acq: 12 Jun 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TP-2

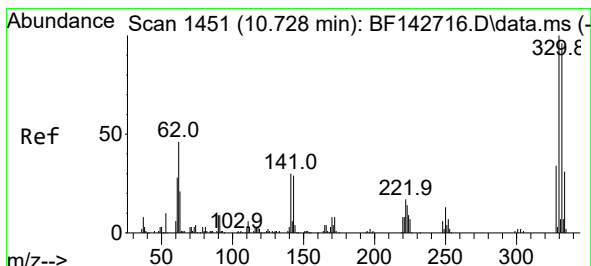
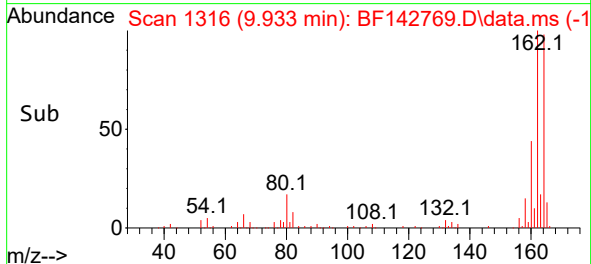
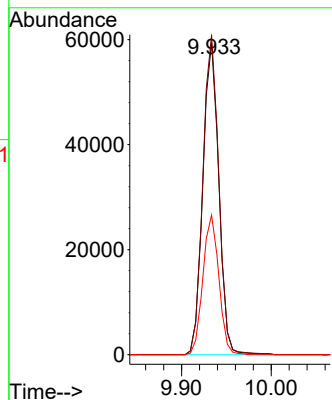
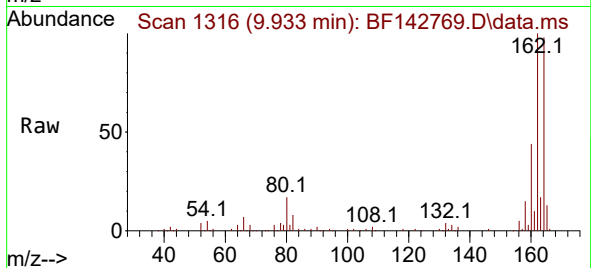
Tgt Ion:164 Resp: 73102

Ion Ratio Lower Upper

164 100

162 102.6 79.9 119.9

160 44.8 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 9.879 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF142769.D

Acq: 12 Jun 2025 20:56

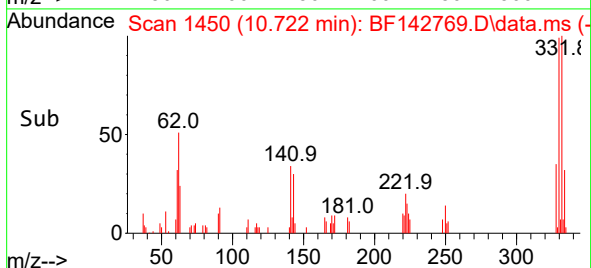
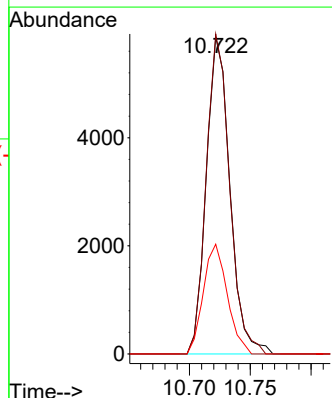
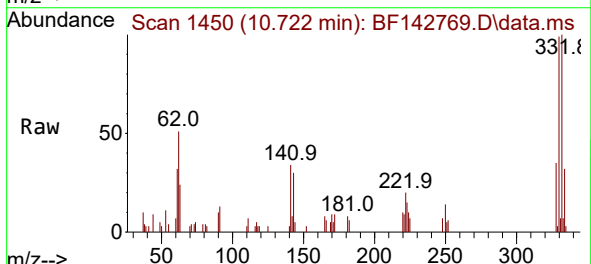
Tgt Ion:330 Resp: 7915

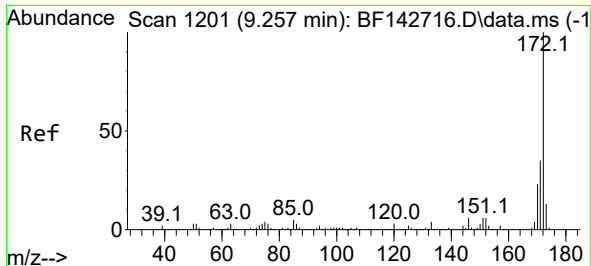
Ion Ratio Lower Upper

330 100

332 99.8 77.0 115.6

141 35.1 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 6.685 ng

RT: 9.251 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142769.D

Acq: 12 Jun 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TP-2

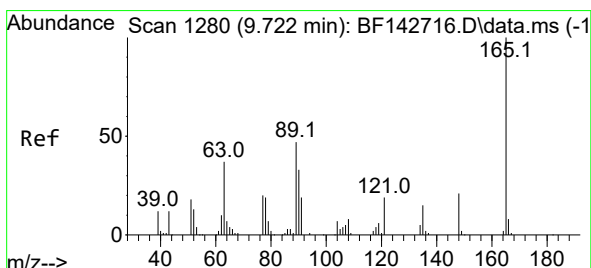
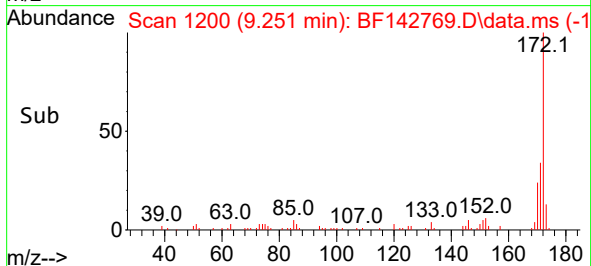
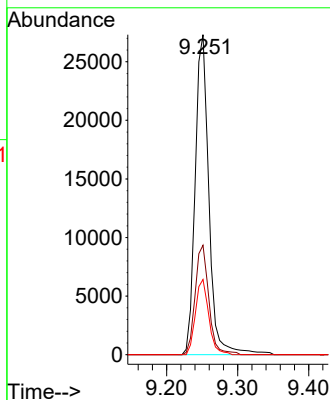
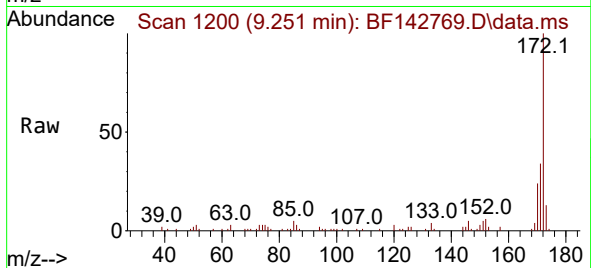
Tgt Ion:172 Resp: 36782

Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 23.5 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.140 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142769.D

Acq: 12 Jun 2025 20:56

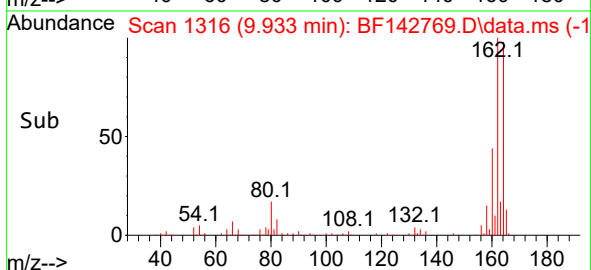
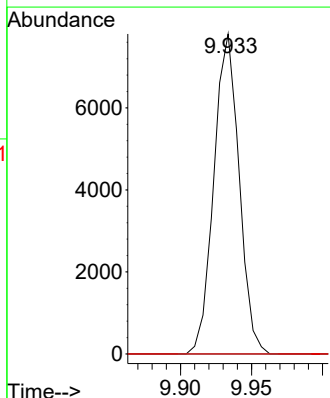
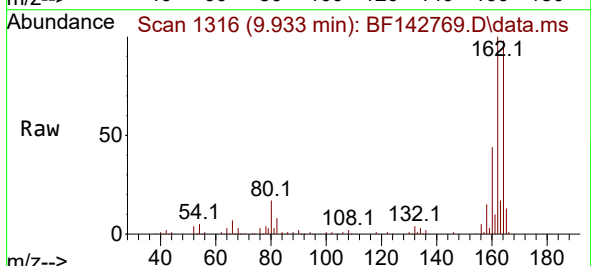
Tgt Ion:165 Resp: 9643

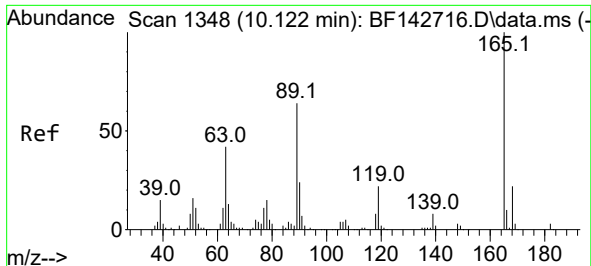
Ion Ratio Lower Upper

165 100

63 0.0 40.6 60.8#

89 0.0 37.6 56.4#

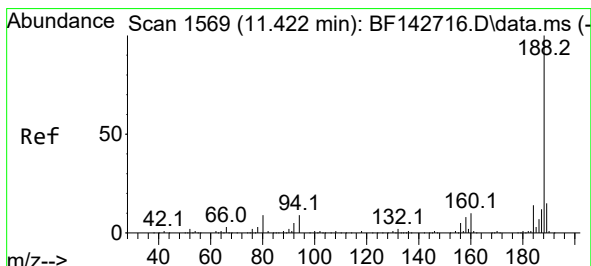
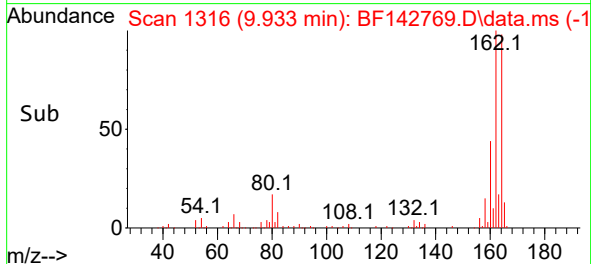
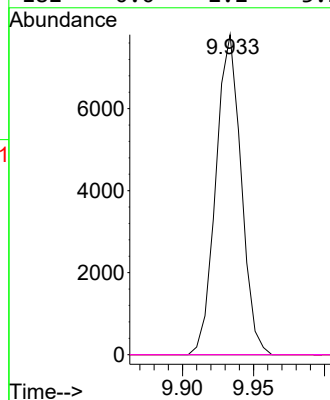
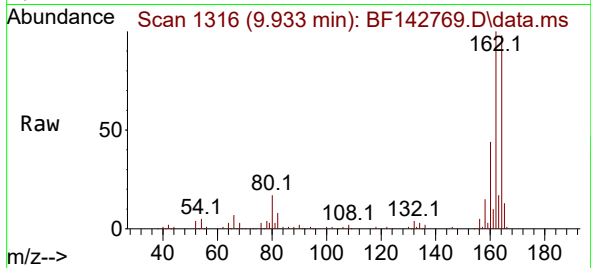




#57
2,4-Dinitrotoluene
Concen: 6.913 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.188 min
Lab File: BF142769.D
Acq: 12 Jun 2025 20:56

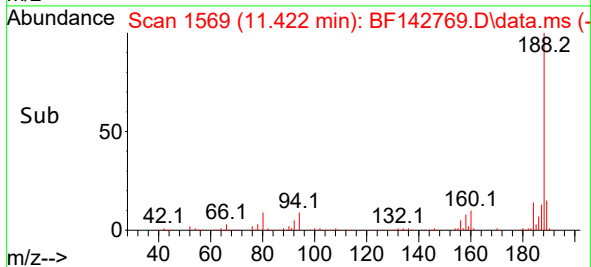
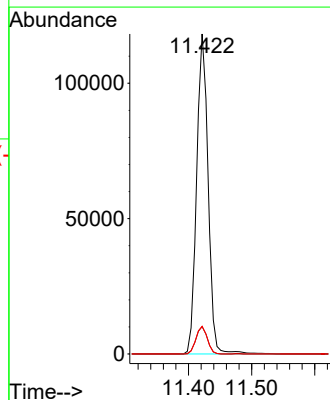
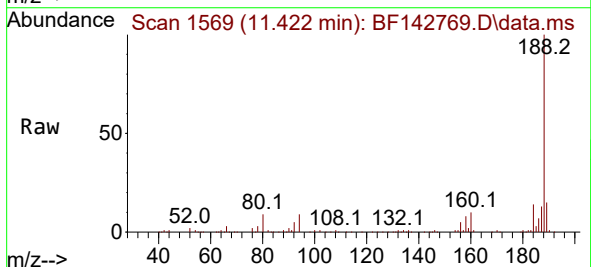
Instrument :
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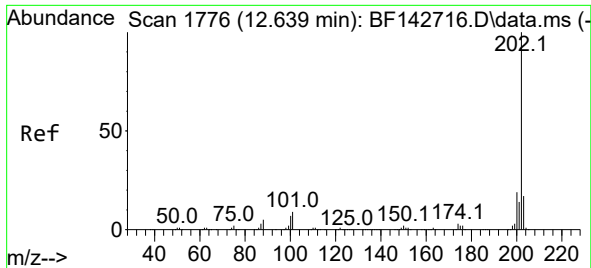
Tgt Ion:165 Resp: 9643
Ion Ratio Lower Upper
165 100
63 0.0 34.1 51.1#
89 0.0 50.8 76.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF142769.D
Acq: 12 Jun 2025 20:56

Tgt Ion:188 Resp: 148760
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 8.7 7.1 10.7

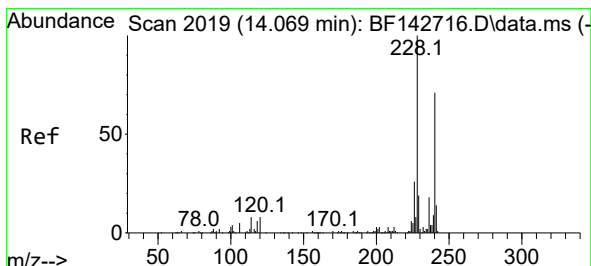
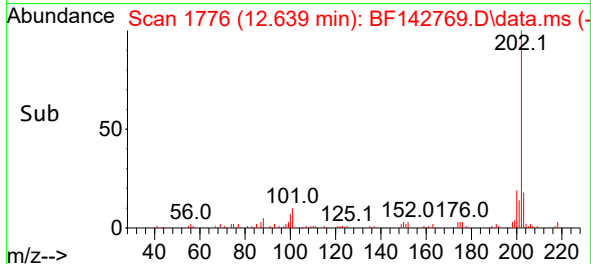
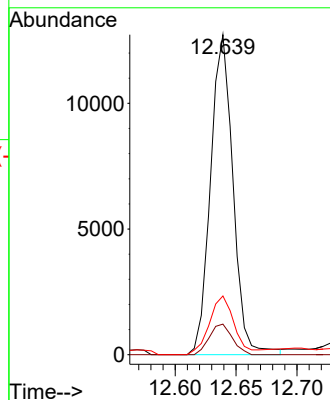
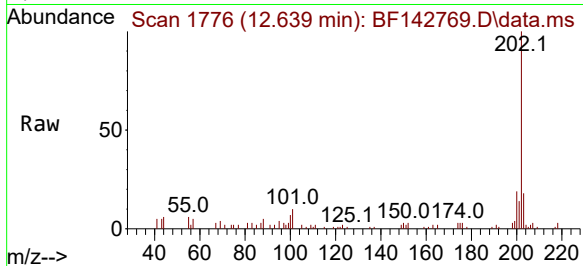




#75
Fluoranthene
Concen: 2.155 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142769.D
Acq: 12 Jun 2025 20:56

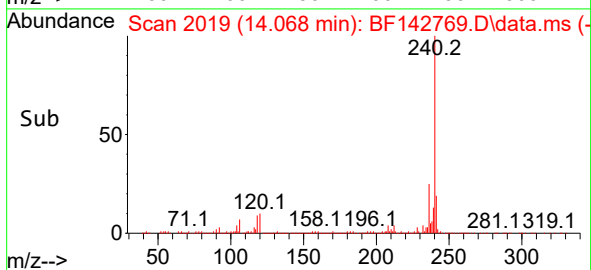
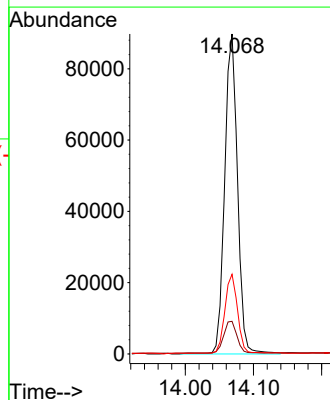
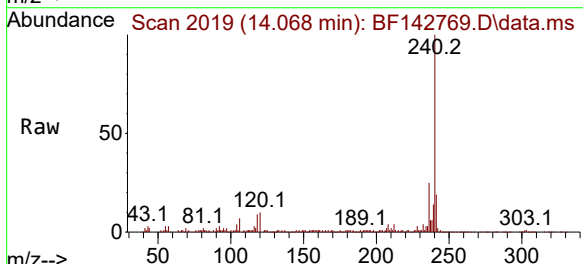
Instrument :
BNA_F
ClientSampleId :
TP-2

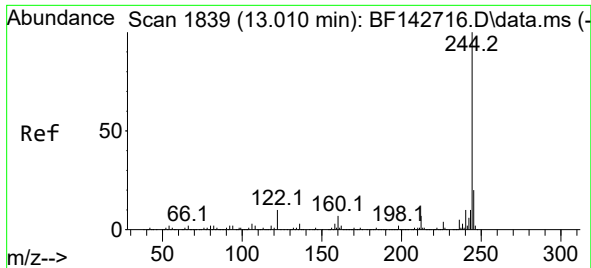
Tgt Ion:202 Resp: 16332
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.5
203 18.4 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142769.D
Acq: 12 Jun 2025 20:56

Tgt Ion:240 Resp: 117464
Ion Ratio Lower Upper
240 100
120 10.2 8.5 12.7
236 24.9 20.1 30.1

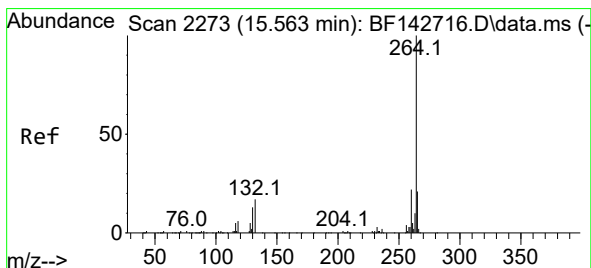
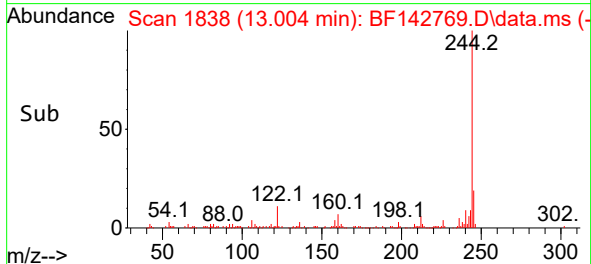
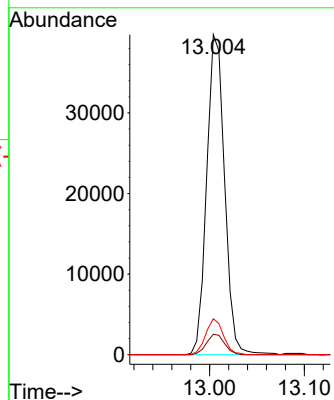
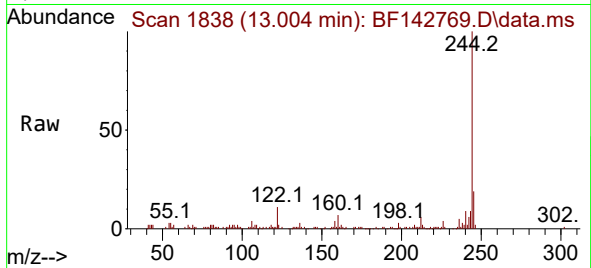




#79
 Terphenyl-d14
 Concen: 6.092 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF142769.D
 Acq: 12 Jun 2025 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:244 Resp: 52104
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 11.2 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.568 min Scan# 2274
 Delta R.T. 0.006 min
 Lab File: BF142769.D
 Acq: 12 Jun 2025 20:56

Tgt Ion:264 Resp: 84130
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.8 26.6
 265 22.3 16.6 25.0

