

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142762.D
 Acq On : 12 Jun 2025 17:27
 Operator : RC/JU
 Sample : Q2223-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-06042025

Quant Time: Jun 12 18:31:27 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)

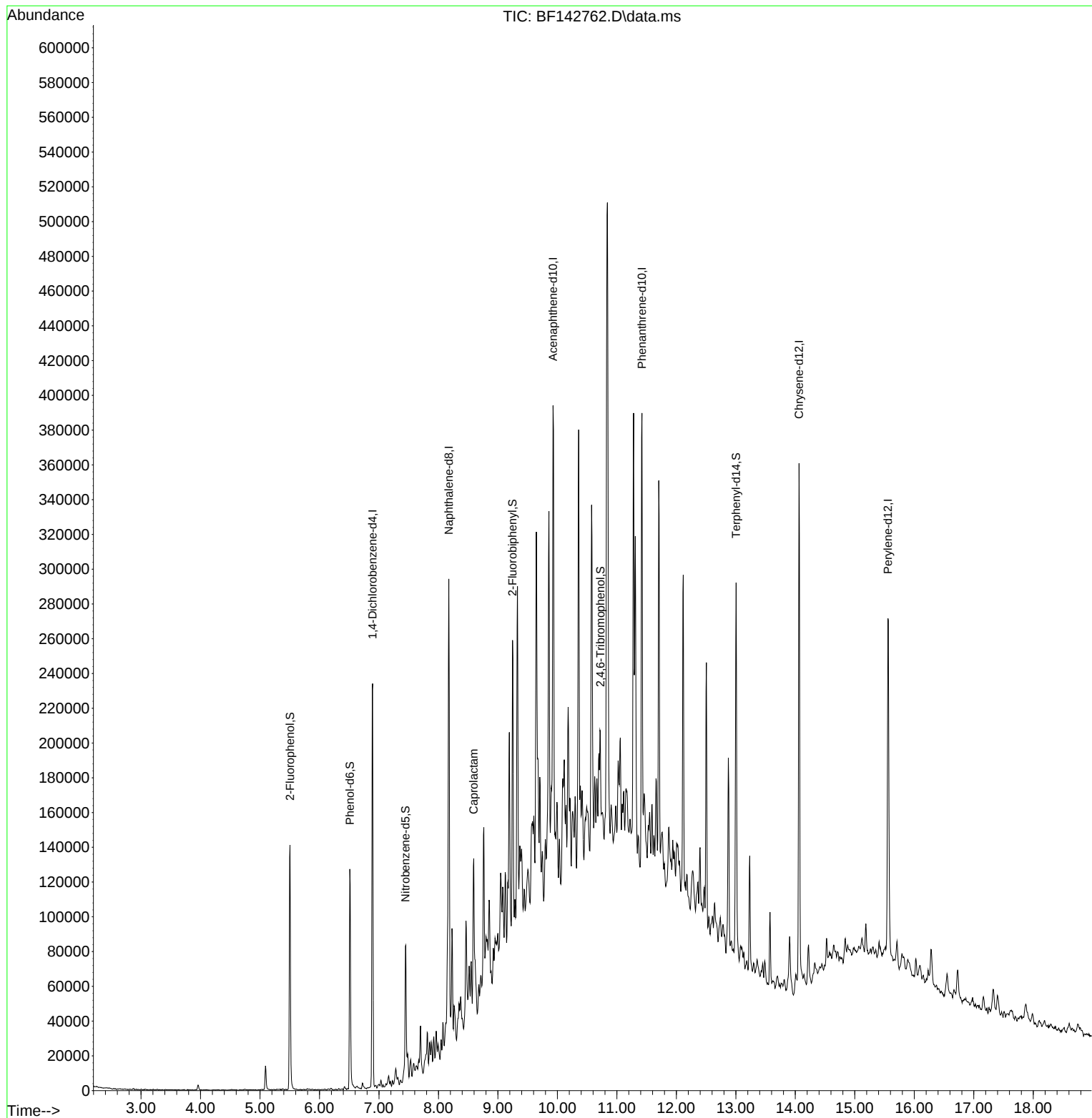
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	52401	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	167460	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	75604	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	130625	20.000	ng	0.00
76) Chrysene-d12	14.063	240	149325	20.000	ng	0.00
86) Perylene-d12	15.557	264	118919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	57617	18.727	ng	0.00
7) Phenol-d6	6.510	99	62091	17.148	ng	-0.01
23) Nitrobenzene-d5	7.445	82	35674	11.659	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	13484	16.273	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	78899	13.865	ng	-0.01
79) Terphenyl-d14	13.004	244	97505	8.968	ng	0.00
Target Compounds						
35) Caprolactam	8.592	113	2982	4.639	ng	Qvalue # 1

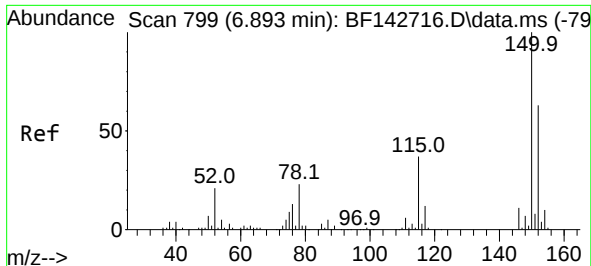
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
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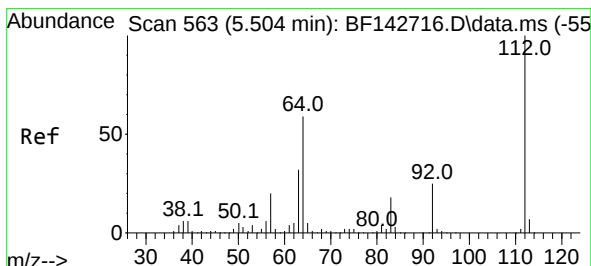
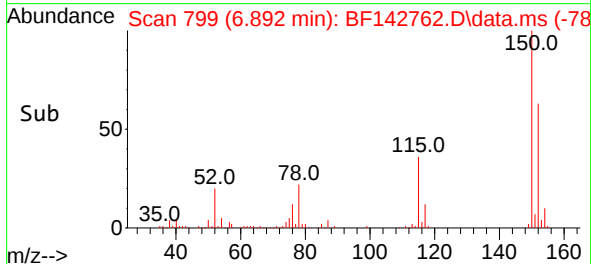
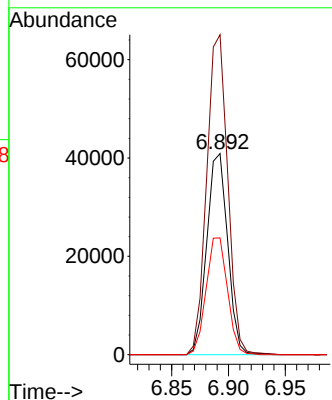
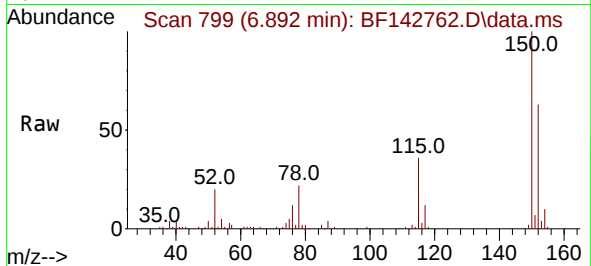




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

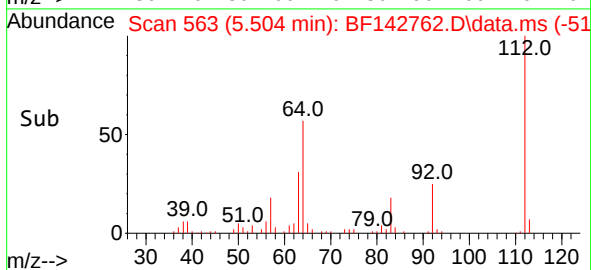
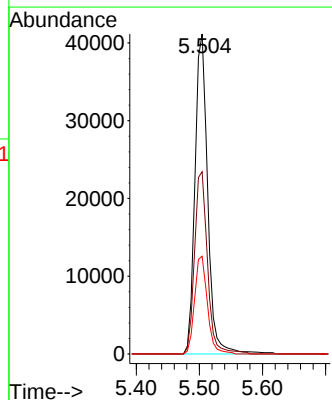
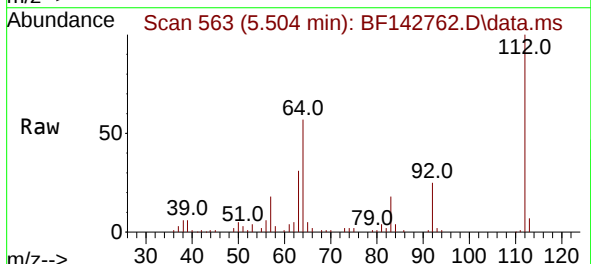
Instrument :
BNA_F
ClientSampleId :
HR-01-06042025

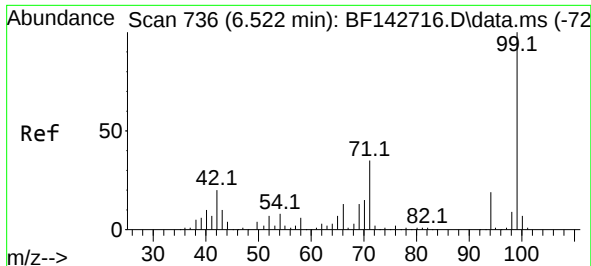
Tgt Ion:152 Resp: 52401
Ion Ratio Lower Upper
152 100
150 159.2 126.9 190.3
115 58.1 47.0 70.6



#5
2-Fluorophenol
Concen: 18.727 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

Tgt Ion:112 Resp: 57617
Ion Ratio Lower Upper
112 100
64 56.9 47.4 71.2
63 30.5 25.4 38.0

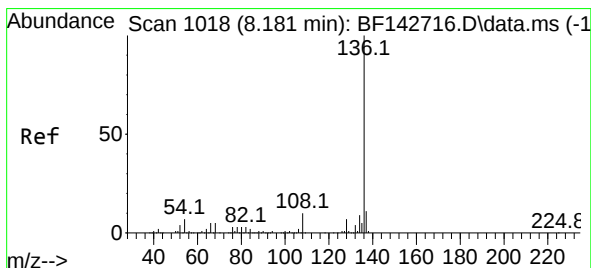
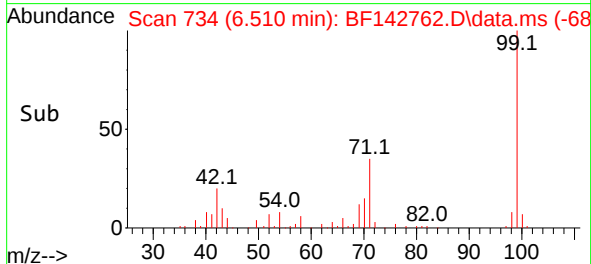
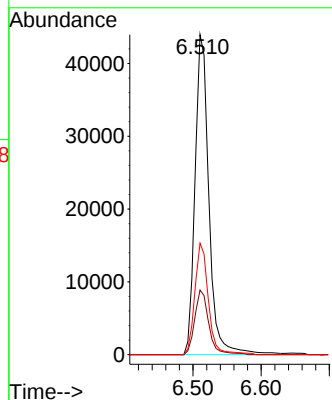
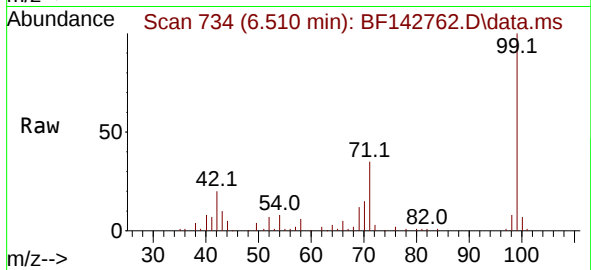




#7
Phenol-d6
Concen: 17.148 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

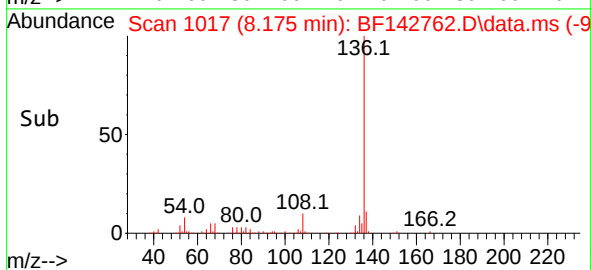
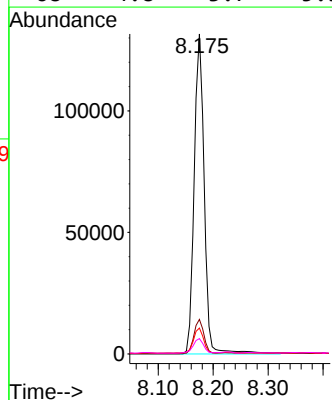
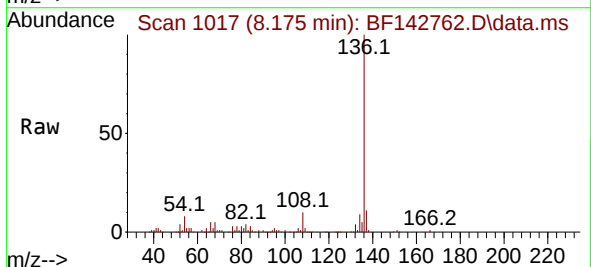
Instrument :
BNA_F
ClientSampleId :
HR-01-06042025

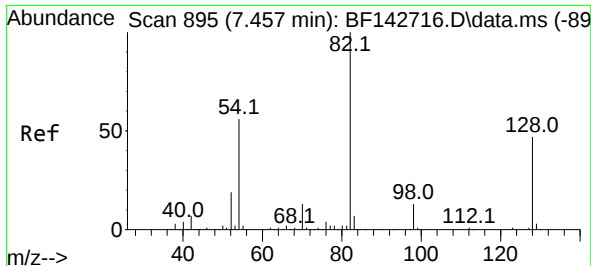
Tgt Ion: 99	Resp: 62091
Ion Ratio	Lower Upper
99 100	
42 20.2	15.9 23.9
71 34.9	28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

Tgt	Ion:136	Resp:	167460
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	8.1	5.9	8.9
68	4.8	3.7	5.5





#23

Nitrobenzene-d5

Concen: 11.659 ng

RT: 7.445 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142762.D

Acq: 12 Jun 2025 17:27

Instrument :

BNA_F

ClientSampleId :

HR-01-06042025

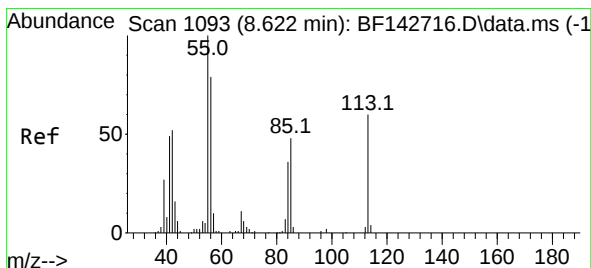
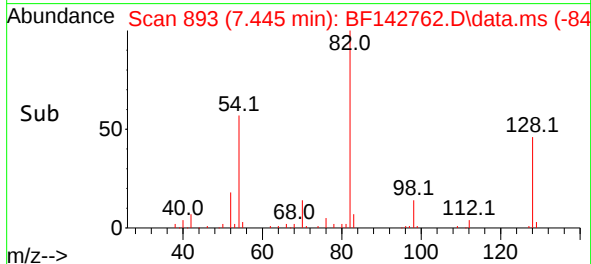
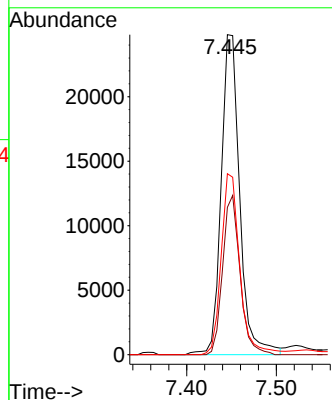
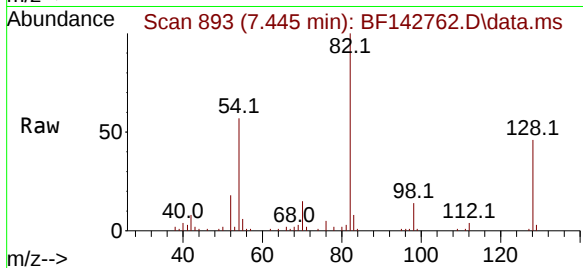
Tgt Ion: 82 Resp: 35674

Ion Ratio Lower Upper

82 100

128 46.1 37.8 56.8

54 56.5 44.9 67.3



#35

Caprolactam

Concen: 4.639 ng

RT: 8.592 min Scan# 1088

Delta R.T. -0.029 min

Lab File: BF142762.D

Acq: 12 Jun 2025 17:27

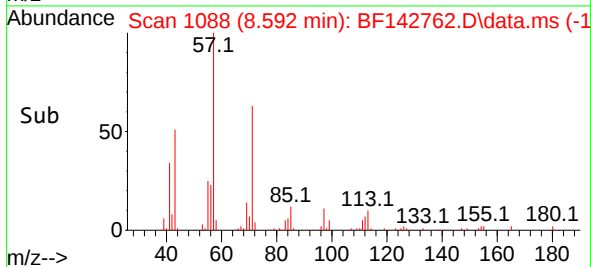
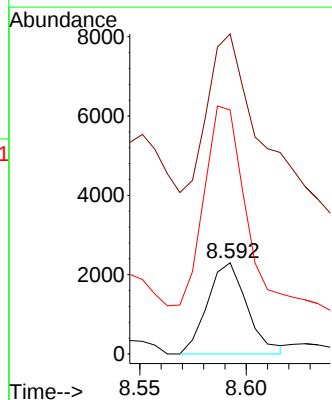
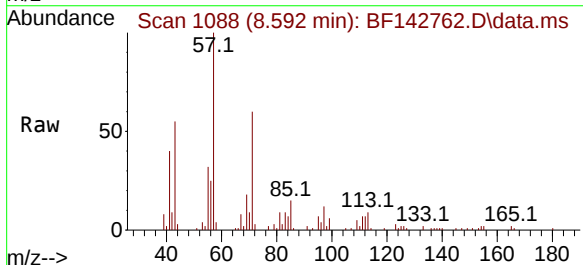
Tgt Ion: 113 Resp: 2982

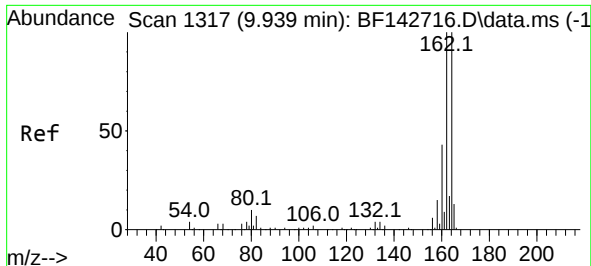
Ion Ratio Lower Upper

113 100

55 351.0 147.9 187.9#

56 267.7 111.9 151.9#

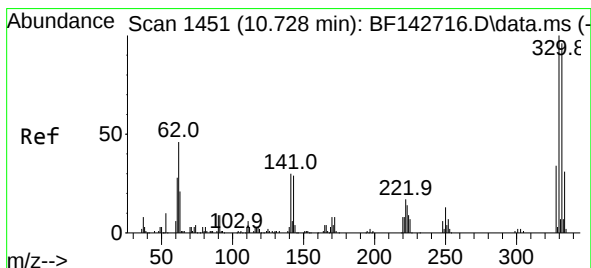
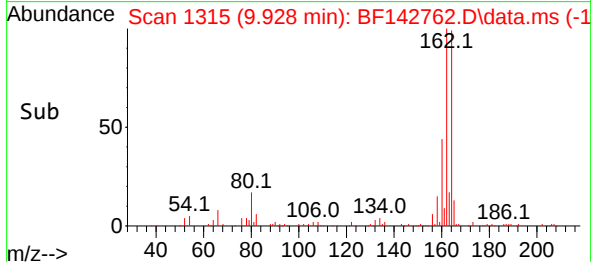
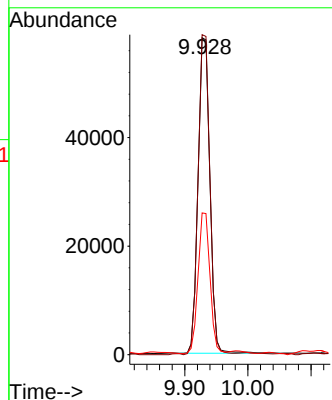
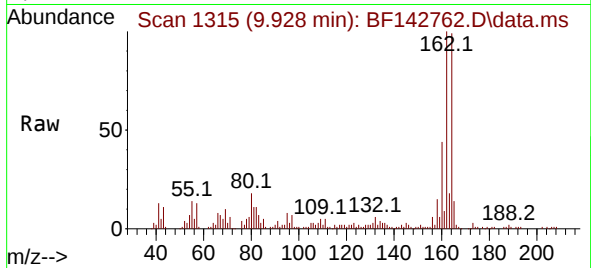




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

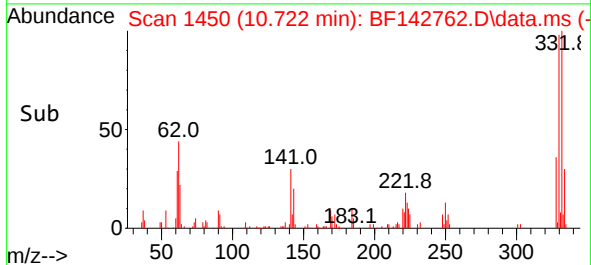
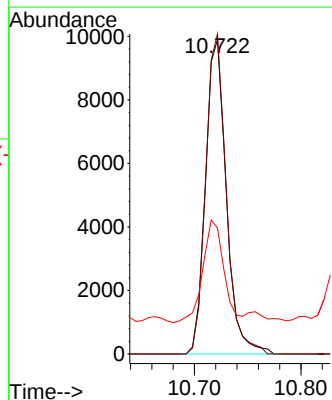
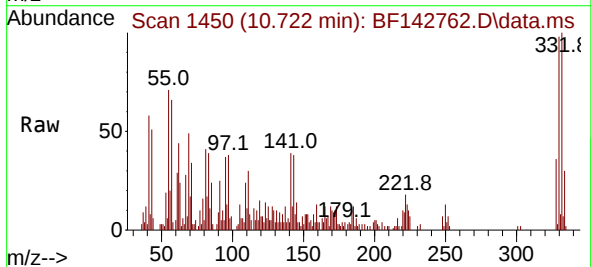
Instrument :
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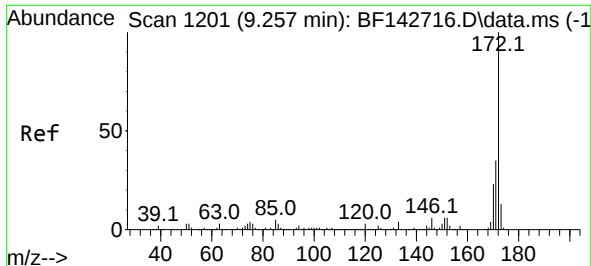
Tgt Ion:164 Resp: 75604
Ion Ratio Lower Upper
164 100
162 101.0 79.9 119.9
160 44.7 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 16.273 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

Tgt Ion:330 Resp: 13484
Ion Ratio Lower Upper
330 100
332 100.1 77.0 115.6
141 32.8 25.4 38.0

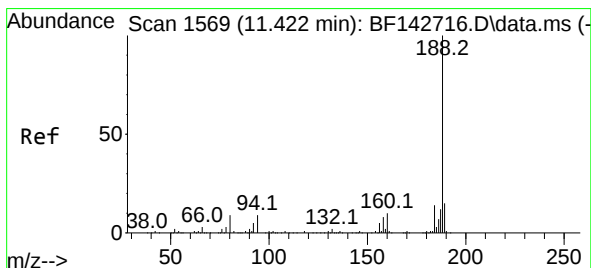
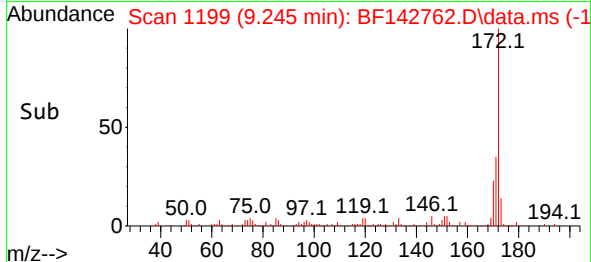
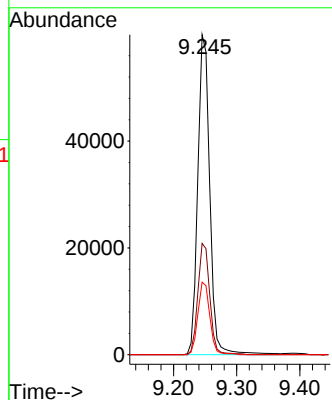
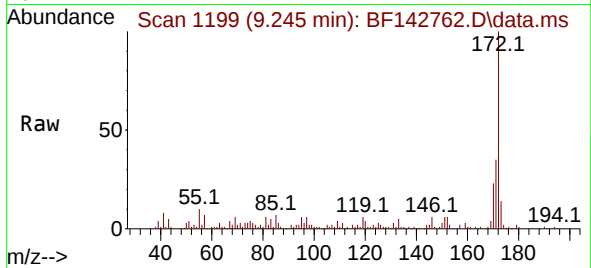




#45
2-Fluorobiphenyl
Concen: 13.865 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

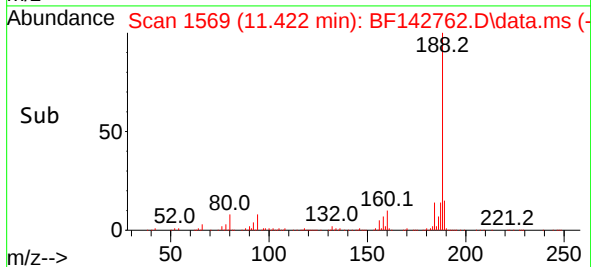
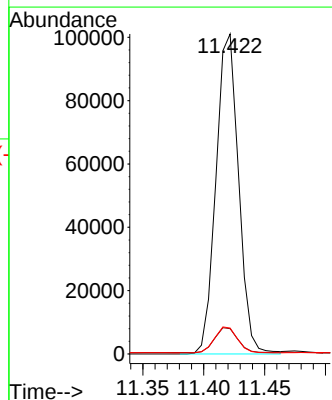
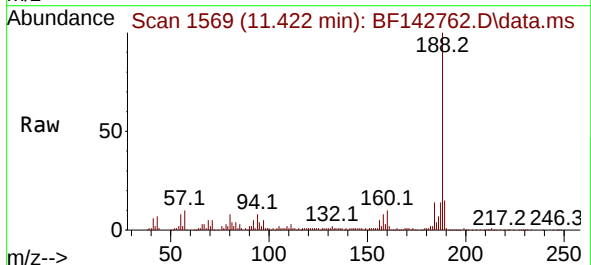
Instrument :
BNA_F
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HR-01-06042025

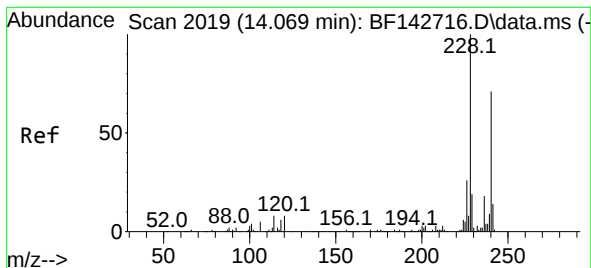
Tgt Ion:172 Resp: 78899
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 22.6 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

Tgt Ion:188 Resp: 130625
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.1 7.1 10.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142762.D

Acq: 12 Jun 2025 17:27

Instrument :

BNA_F

ClientSampleId :

HR-01-06042025

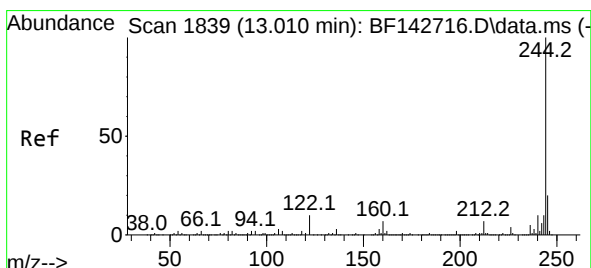
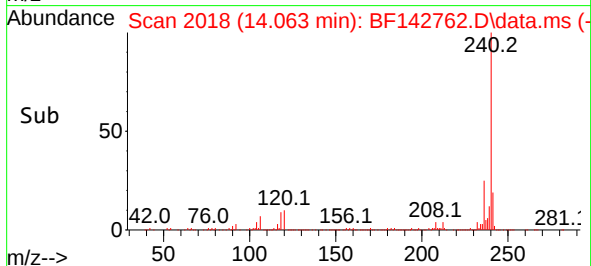
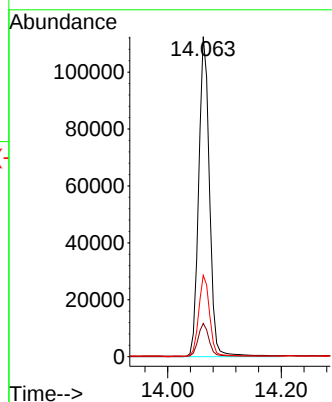
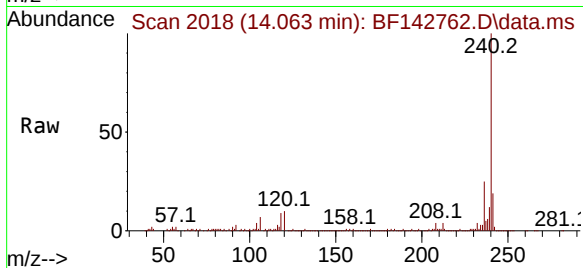
Tgt Ion:240 Resp: 149325

Ion Ratio Lower Upper

240 100

120 10.4 8.5 12.7

236 25.4 20.1 30.1



#79

Terphenyl-d14

Concen: 8.968 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF142762.D

Acq: 12 Jun 2025 17:27

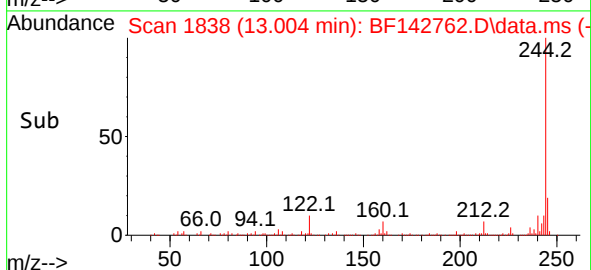
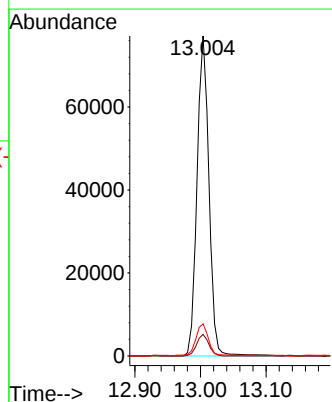
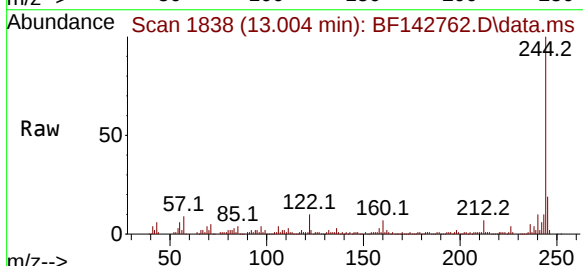
Tgt Ion:244 Resp: 97505

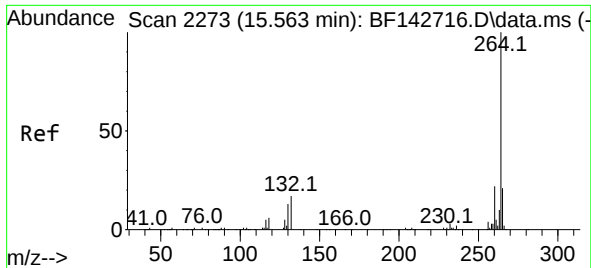
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.1 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142762.D
Acq: 12 Jun 2025 17:27

Instrument :
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ClientSampleId :
HR-01-06042025

Tgt Ion:264 Resp: 118919

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.8	26.6
265	21.6	16.6	25.0

