

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142509.D
 Acq On : 22 May 2025 14:38
 Operator : RC/JU
 Sample : Q2071-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-8

Quant Time: May 22 15:10:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

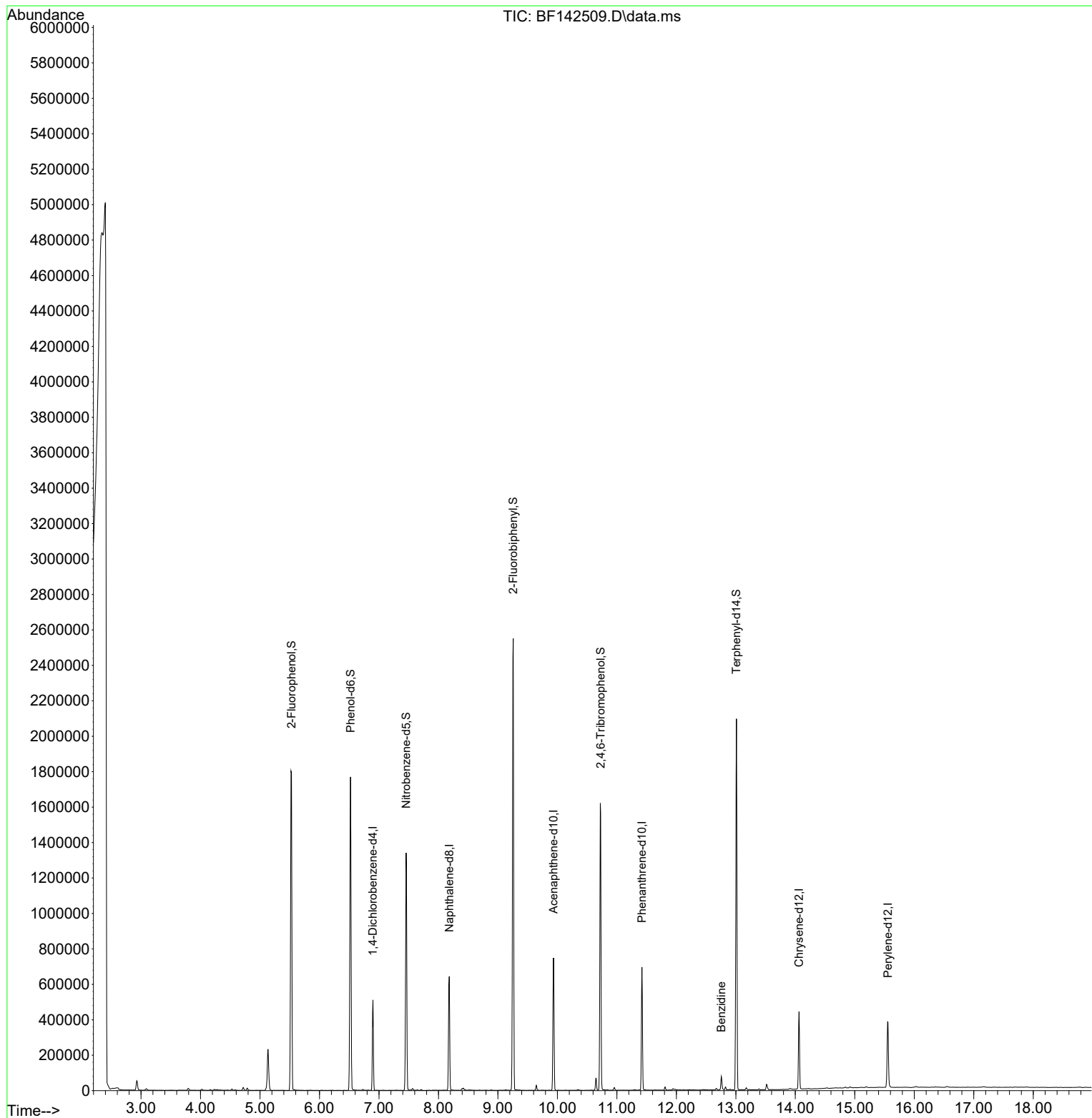
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	109782	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	420025	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	222828	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	357768	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	213263	20.000	ng	-0.01
86) Perylene-d12	15.557	264	225581	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	734436	112.709	ng	0.01
7) Phenol-d6	6.522	99	857683	109.343	ng	-0.01
23) Nitrobenzene-d5	7.457	82	594529	77.183	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	305459	123.512	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1202574	72.419	ng	-0.01
79) Terphenyl-d14	13.010	244	1026672	65.787	ng	0.00
Target Compounds						
77) Benzidine	12.757	184	46099	5.809	ng	Qvalue 99

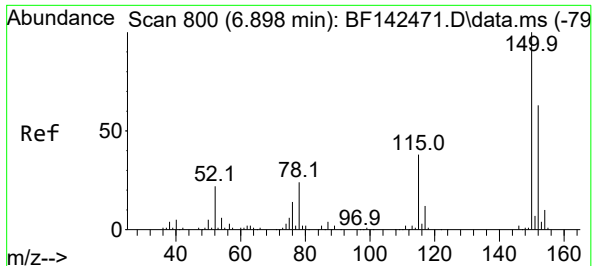
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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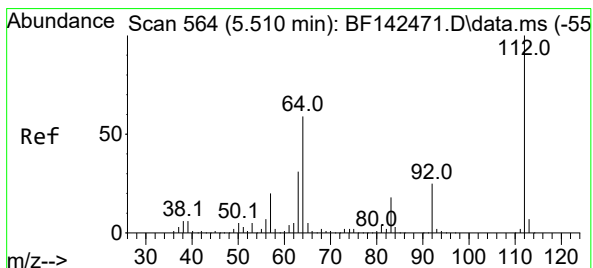
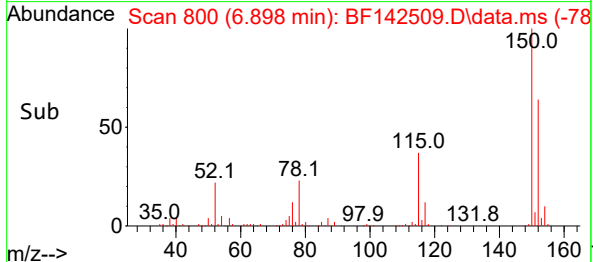
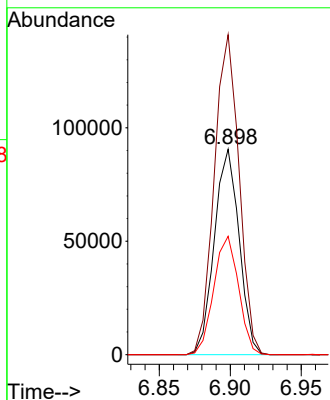
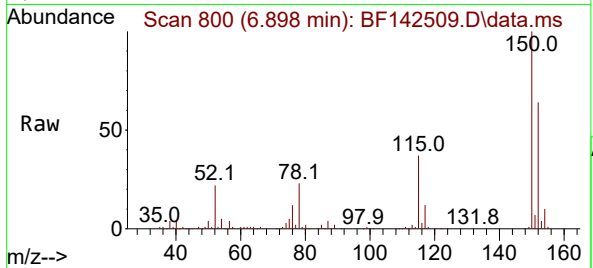




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142509.D
 Acq: 22 May 2025 14:38

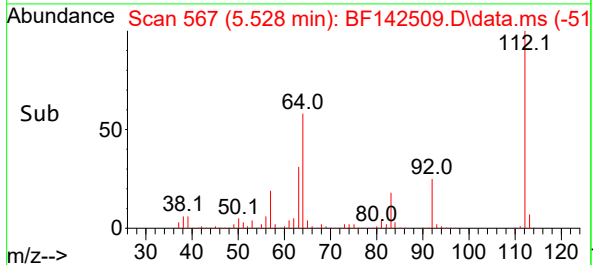
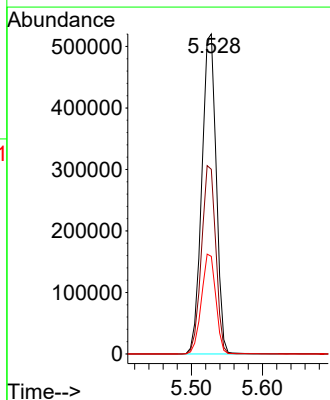
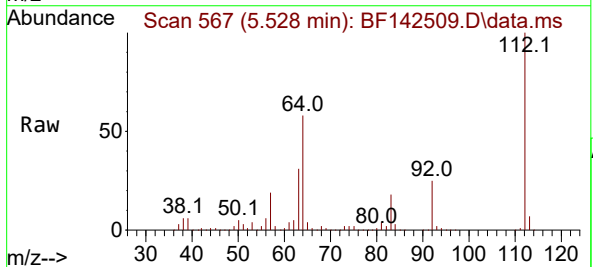
Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-8

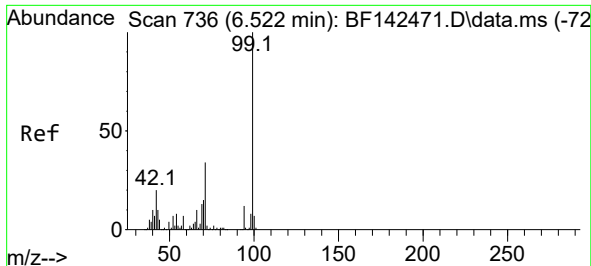
Tgt Ion:152 Resp: 109782
 Ion Ratio Lower Upper
 152 100
 150 155.8 128.2 192.4
 115 57.7 48.3 72.5



#5
 2-Fluorophenol
 Concen: 112.709 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.012 min
 Lab File: BF142509.D
 Acq: 22 May 2025 14:38

Tgt Ion:112 Resp: 734436
 Ion Ratio Lower Upper
 112 100
 64 57.7 47.5 71.3
 63 30.5 24.9 37.3

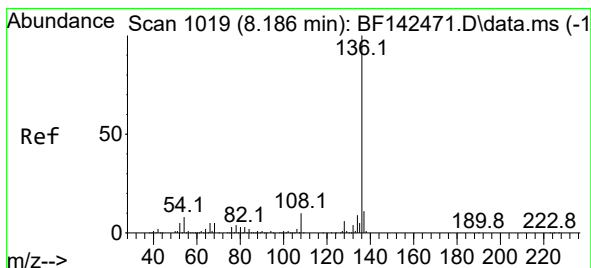
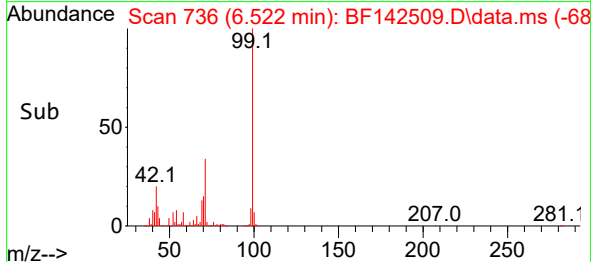
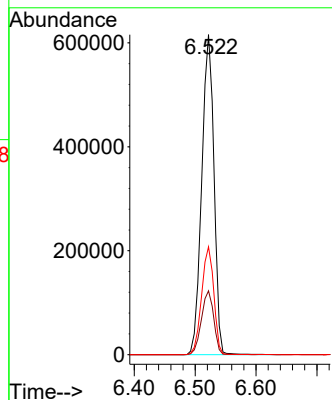
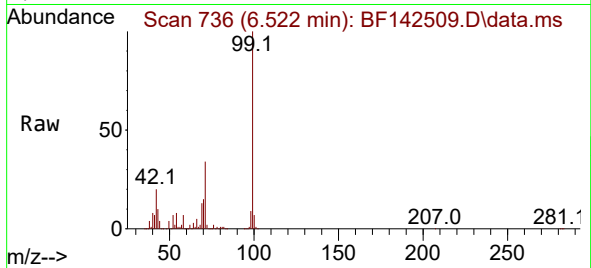




#7
Phenol-d6
Concen: 109.343 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142509.D
Acq: 22 May 2025 14:38

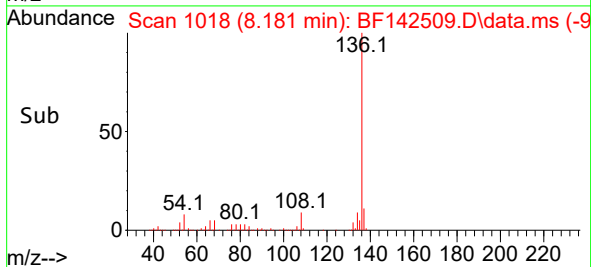
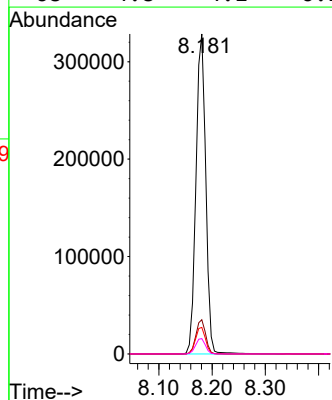
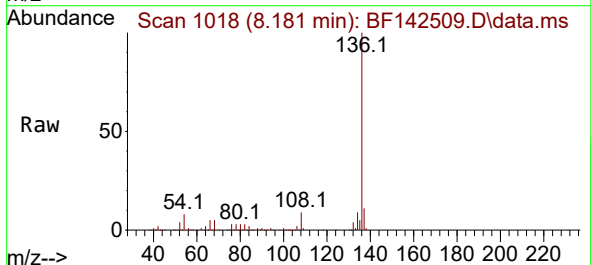
Instrument :
BNA_F
ClientSampleId :
L1-WC-8

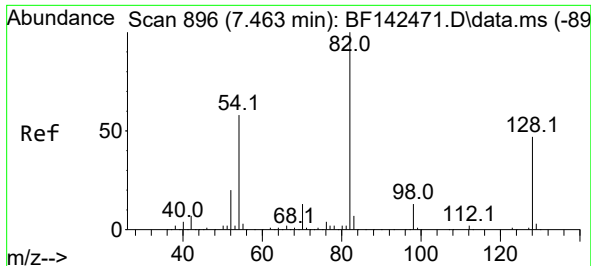
Tgt Ion: 99 Resp: 857683
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.2
71 33.7 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142509.D
Acq: 22 May 2025 14:38

Tgt Ion:136 Resp: 420025
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 6.6 10.0
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 77.183 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF142509.D

Acq: 22 May 2025 14:38

Instrument :

BNA_F

ClientSampleId :

L1-WC-8

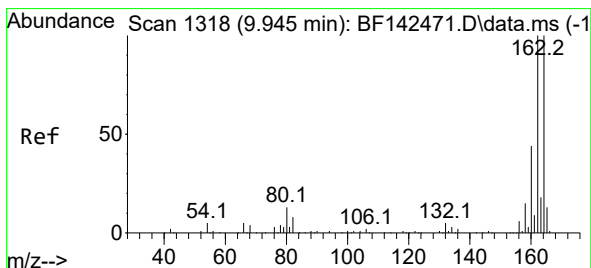
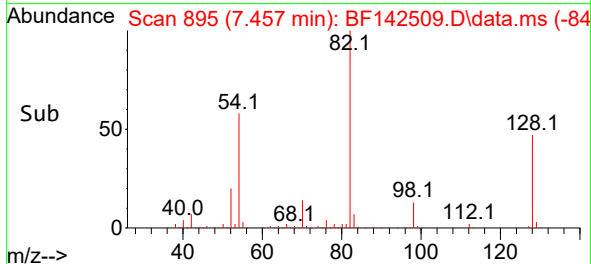
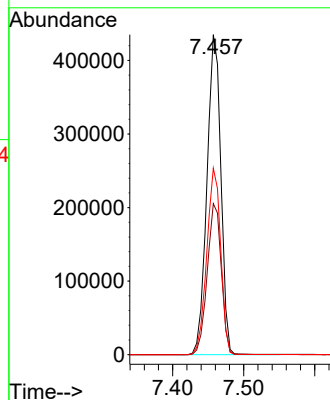
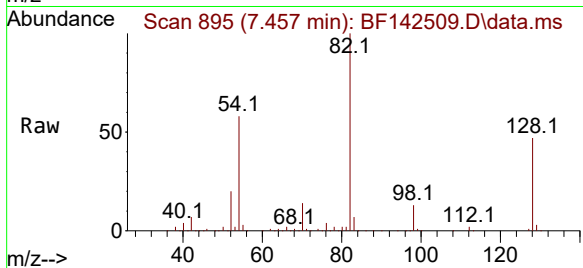
Tgt Ion: 82 Resp: 594529

Ion Ratio Lower Upper

82 100

128 47.2 37.4 56.2

54 58.3 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142509.D

Acq: 22 May 2025 14:38

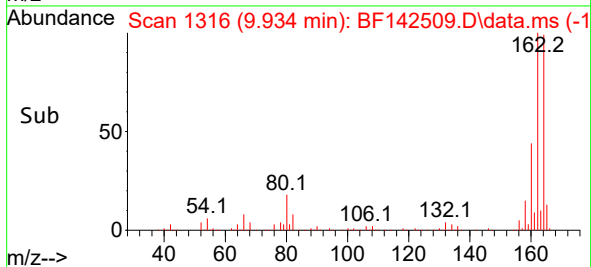
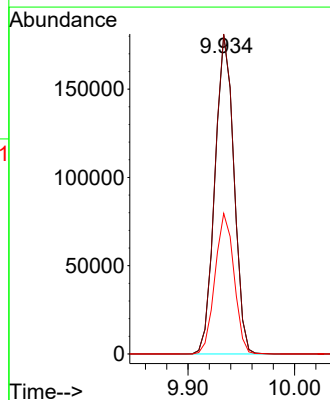
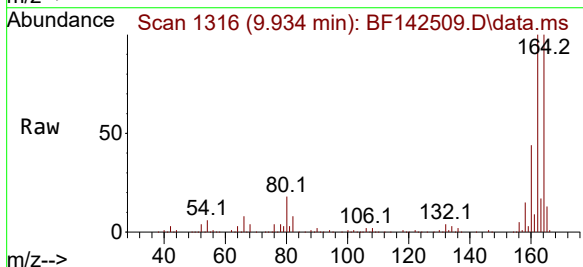
Tgt Ion:164 Resp: 222828

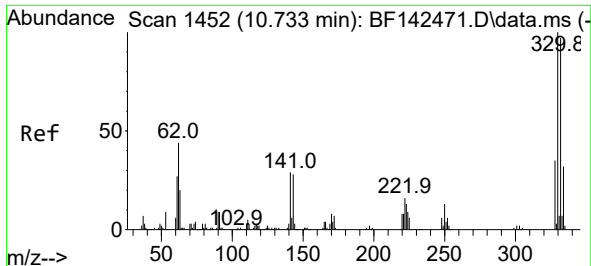
Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.4

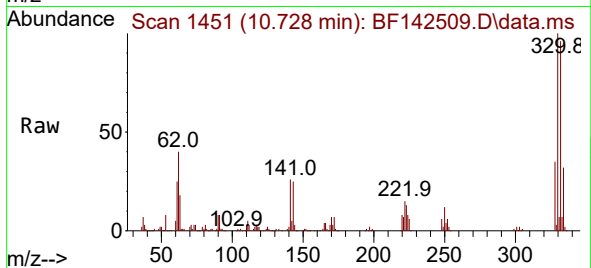
160 44.1 35.6 53.4



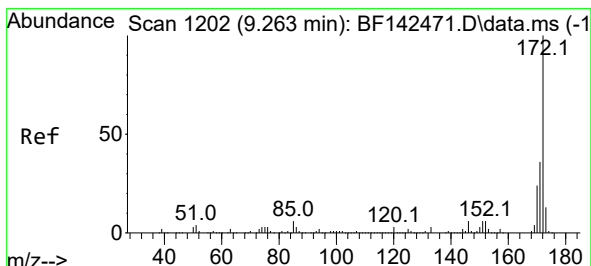
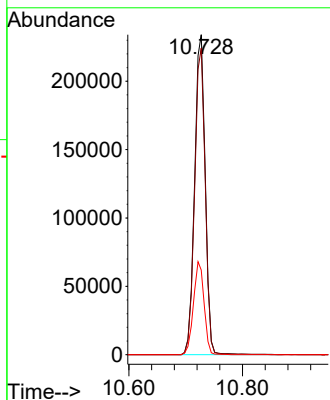
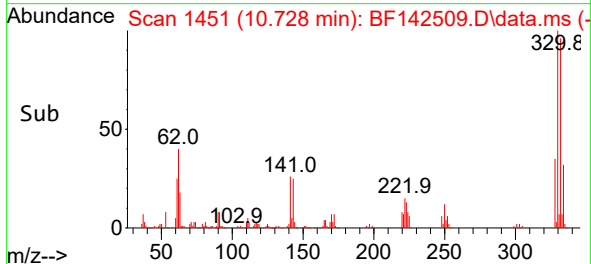


#42
2,4,6-Tribromophenol
Concen: 123.512 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142509.D
Acq: 22 May 2025 14:38

Instrument :
BNA_F
ClientSampleId :
L1-WC-8

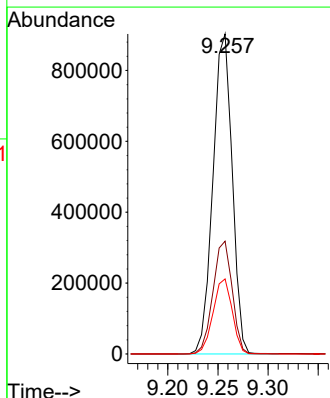
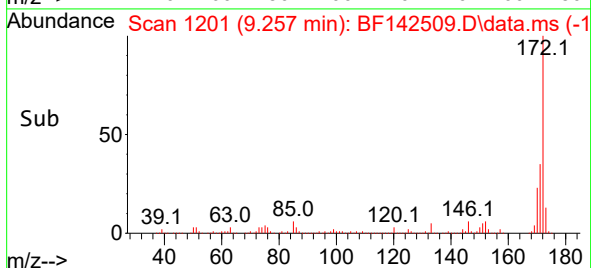
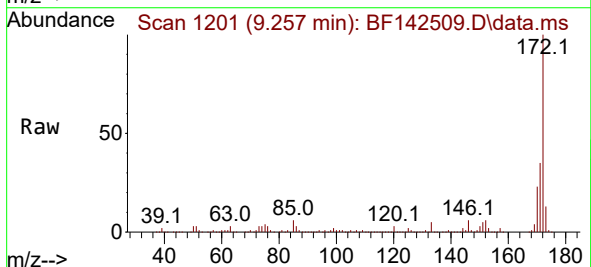


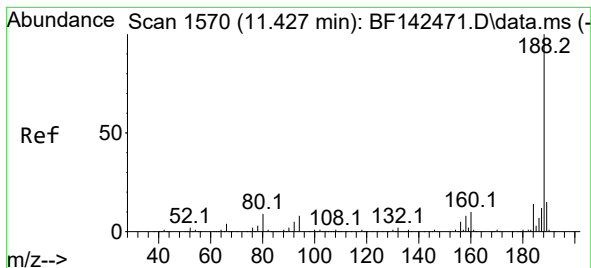
Tgt Ion:330 Resp: 305459
Ion Ratio Lower Upper
330 100
332 95.5 77.6 116.4
141 29.1 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 72.419 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142509.D
Acq: 22 May 2025 14:38

Tgt Ion:172 Resp: 1202574
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.5 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142509.D

Acq: 22 May 2025 14:38

Instrument :

BNA_F

ClientSampleId :

L1-WC-8

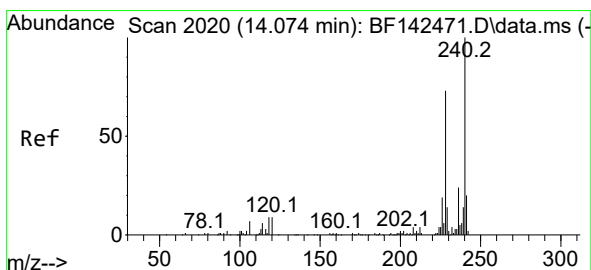
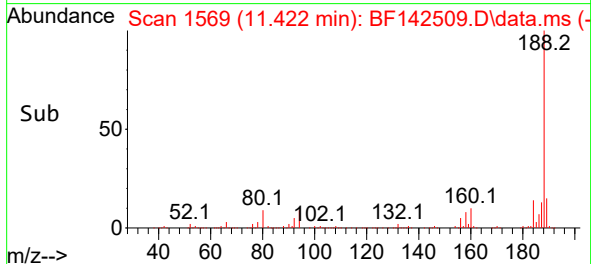
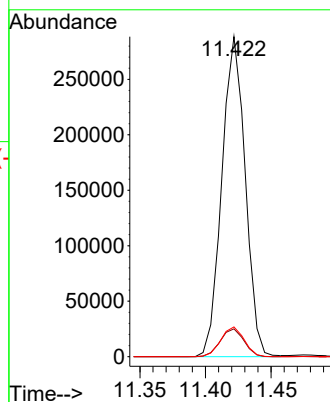
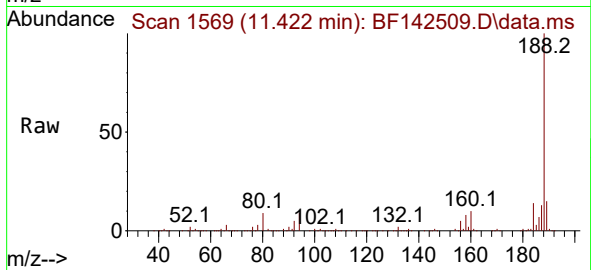
Tgt Ion:188 Resp: 357768

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.3 7.4 11.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142509.D

Acq: 22 May 2025 14:38

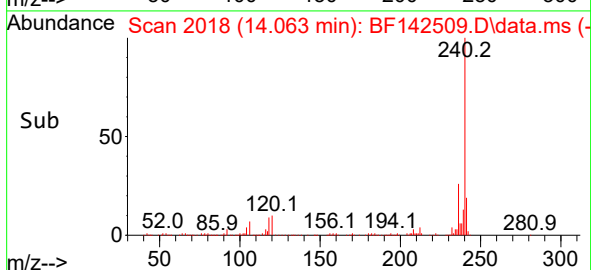
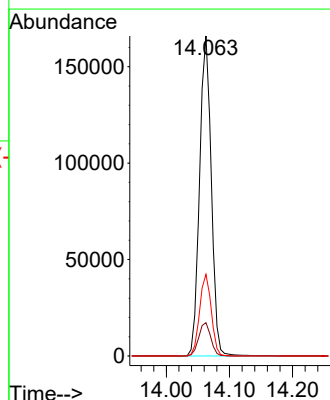
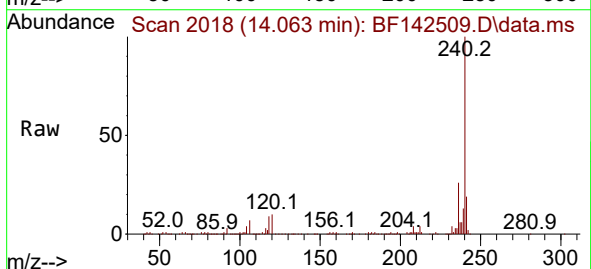
Tgt Ion:240 Resp: 213263

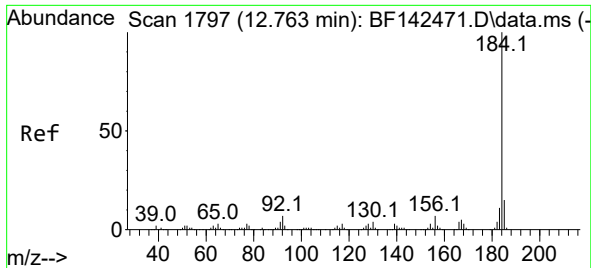
Ion Ratio Lower Upper

240 100

120 10.4 7.5 11.3

236 25.5 19.6 29.4

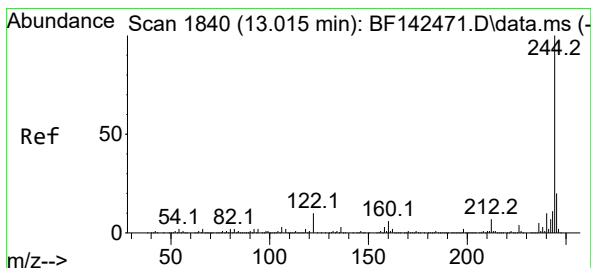
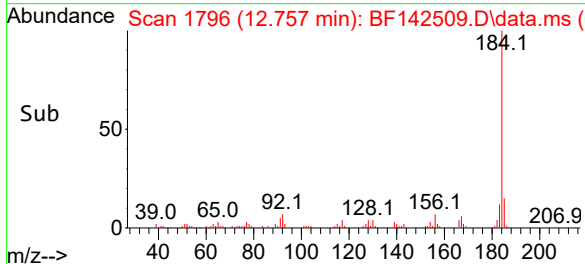
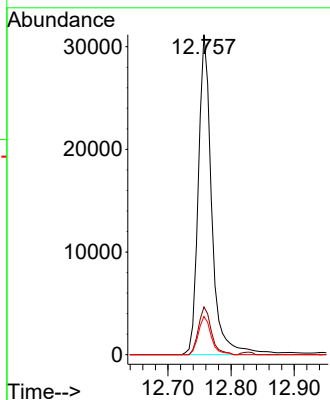
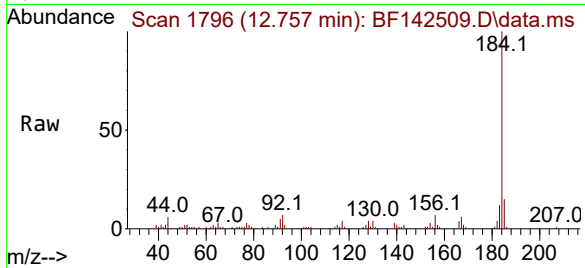




#77
Benzidine
Concen: 5.809 ng
RT: 12.757 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142509.D
Acq: 22 May 2025 14:38

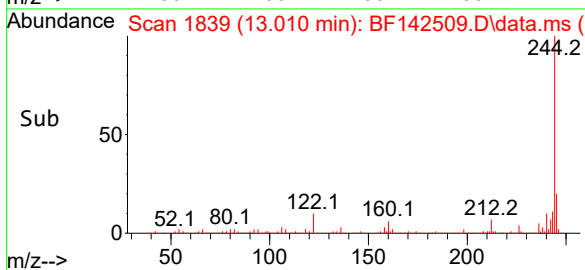
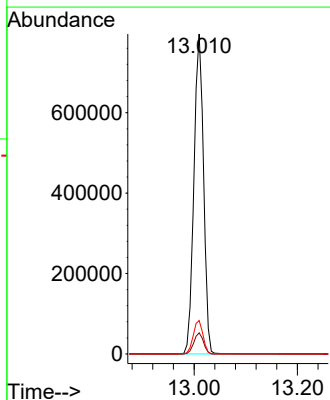
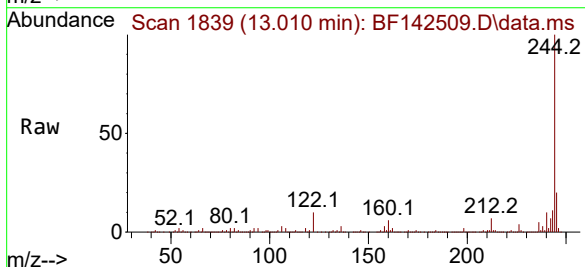
Instrument :
BNA_F
ClientSampleId :
L1-WC-8

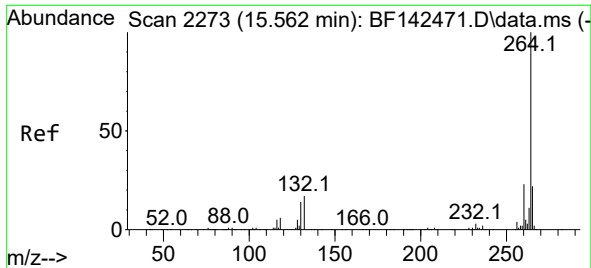
Tgt Ion:184 Resp: 46099
Ion Ratio Lower Upper
184 100
185 14.9 11.6 17.4
183 12.0 9.0 13.4



#79
Terphenyl-d14
Concen: 65.787 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142509.D
Acq: 22 May 2025 14:38

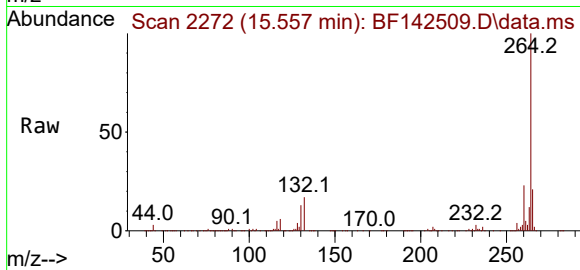
Tgt Ion:244 Resp: 1026672
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 10.5 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142509.D
 Acq: 22 May 2025 14:38

Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-8



Tgt Ion:264 Resp: 225581
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 28.0
 265 20.8 17.7 26.5

