

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142520.D
 Acq On : 22 May 2025 19:56
 Operator : RC/JU
 Sample : Q2097-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251372

Quant Time: May 23 01:23:50 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	103478	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	360399	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	162547	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	246330	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	180629	20.000	ng	-0.01
86) Perylene-d12	15.557	264	140667	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	677494	110.305	ng	0.00
7) Phenol-d6	6.522	99	729097	98.613	ng	-0.01
23) Nitrobenzene-d5	7.457	82	527733	79.847	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	208478	115.560	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	961850	79.403	ng	-0.01
79) Terphenyl-d14	13.010	244	919635	69.575	ng	0.00

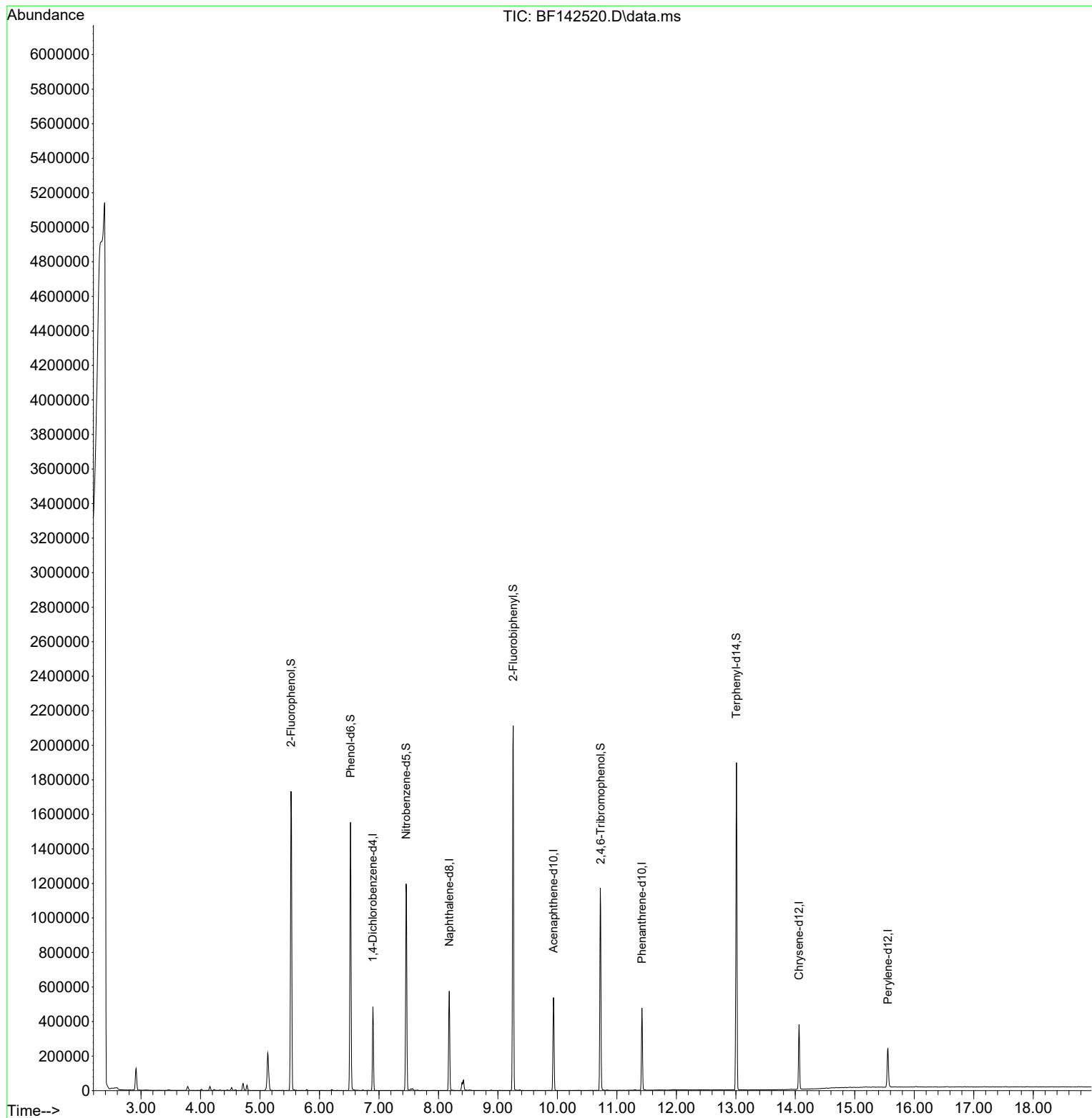
Target Compounds	Qvalue

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

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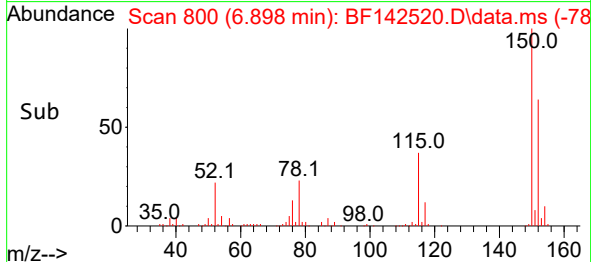
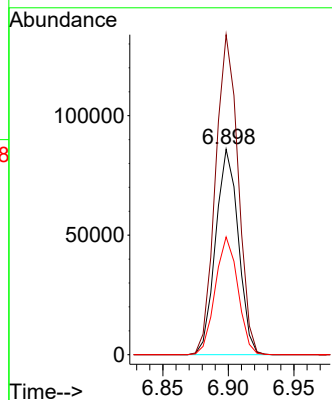
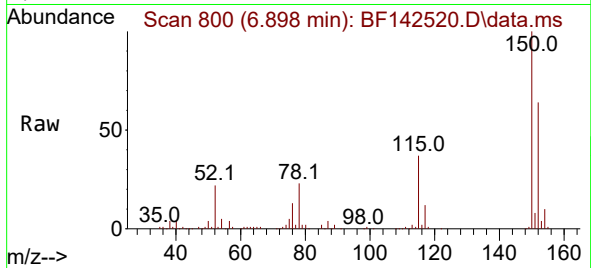




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142520.D
 Acq: 22 May 2025 19:56

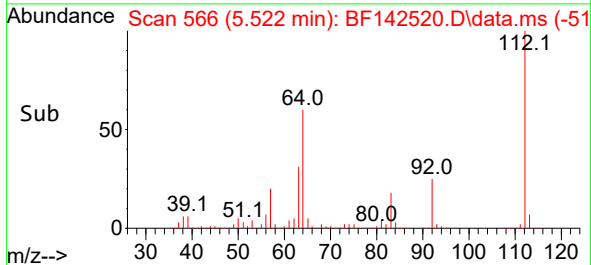
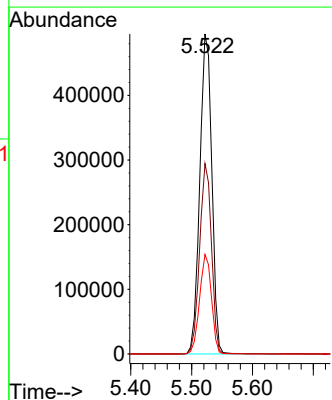
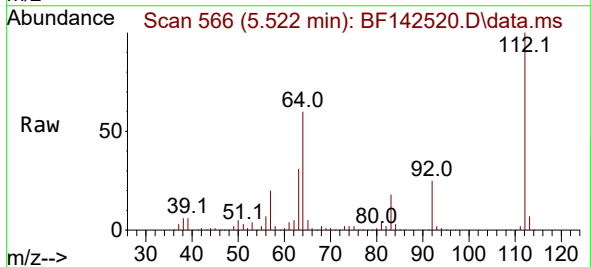
Instrument :
 BNA_F
 ClientSampleId :
 RBR251372

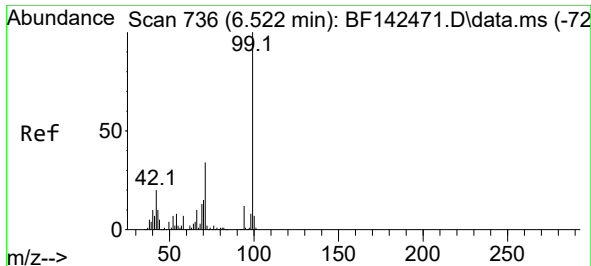
Tgt Ion:152 Resp: 103478
 Ion Ratio Lower Upper
 152 100
 150 155.7 128.2 192.4
 115 57.3 48.3 72.5



#5
 2-Fluorophenol
 Concen: 110.305 ng
 RT: 5.522 min Scan# 566
 Delta R.T. 0.006 min
 Lab File: BF142520.D
 Acq: 22 May 2025 19:56

Tgt Ion:112 Resp: 677494
 Ion Ratio Lower Upper
 112 100
 64 59.5 47.5 71.3
 63 31.1 24.9 37.3

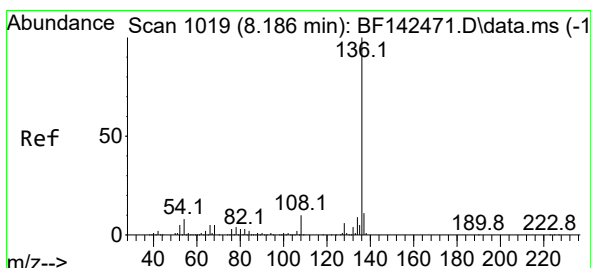
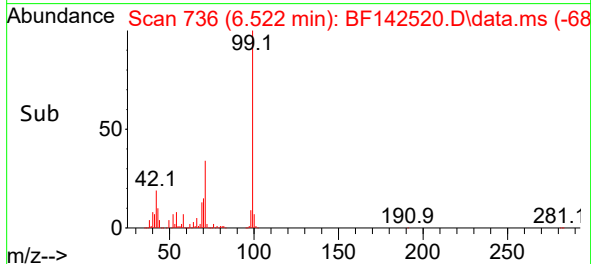
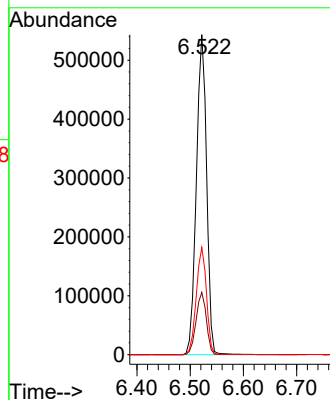
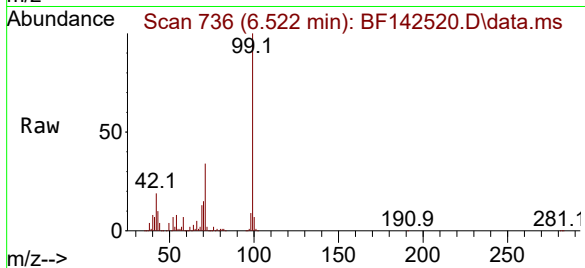




#7
Phenol-d6
Concen: 98.613 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

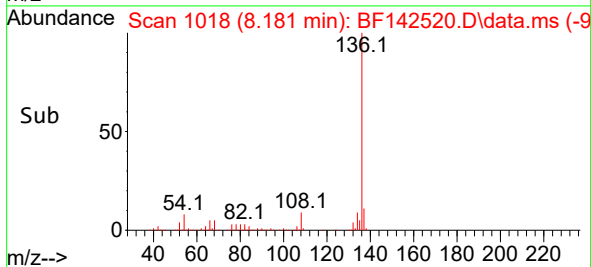
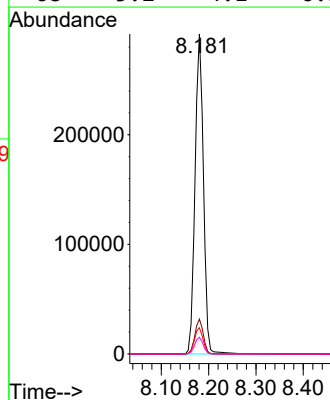
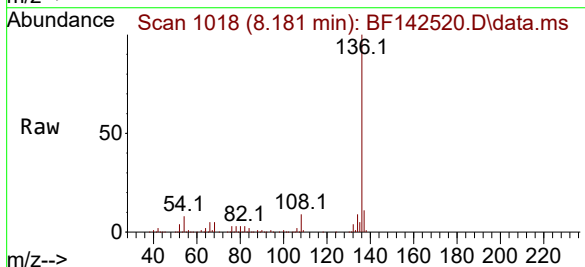
Instrument :
BNA_F
ClientSampleId :
RBR251372

Tgt Ion: 99 Resp: 729097
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.2
71 33.5 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: BF142520.D
Acq: 22 May 2025 19:56

Tgt Ion:136 Resp: 360399
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 6.6 10.0
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 79.847 ng

RT: 7.457 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF142520.D

Acq: 22 May 2025 19:56

Instrument :

BNA_F

ClientSampleId :

RBR251372

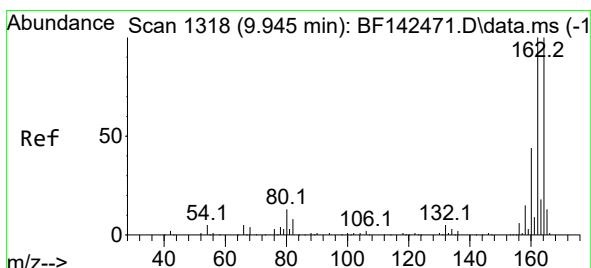
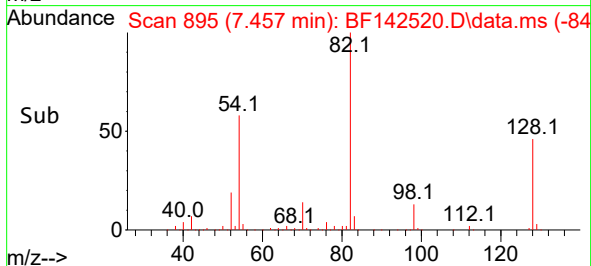
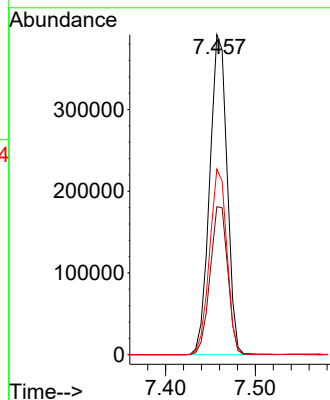
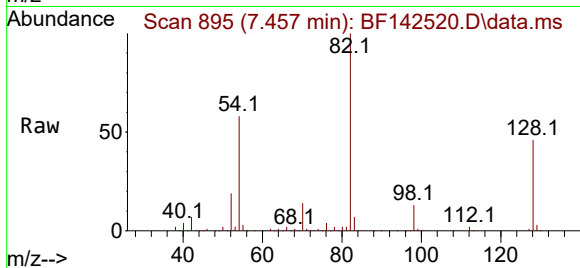
Tgt Ion: 82 Resp: 527733

Ion Ratio Lower Upper

82 100

128 46.3 37.4 56.2

54 58.0 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142520.D

Acq: 22 May 2025 19:56

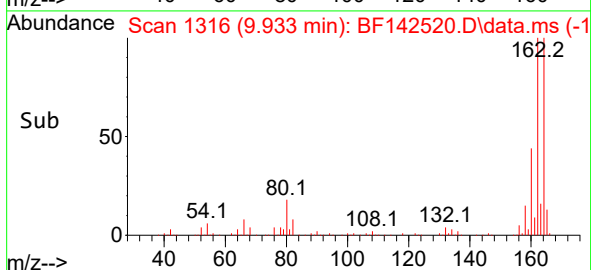
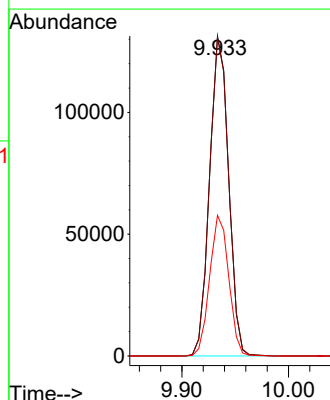
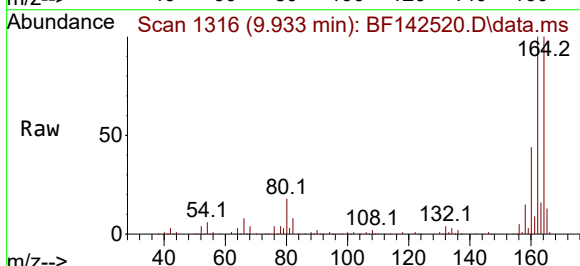
Tgt Ion:164 Resp: 162547

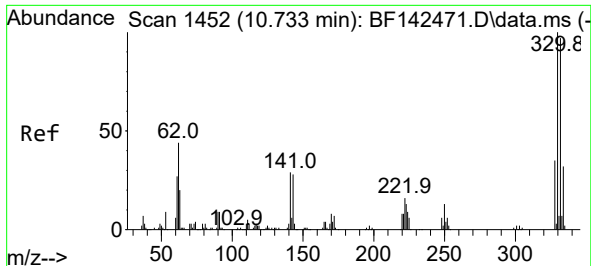
Ion Ratio Lower Upper

164 100

162 99.6 80.2 120.4

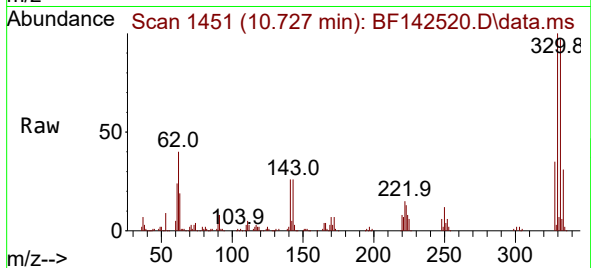
160 43.9 35.6 53.4



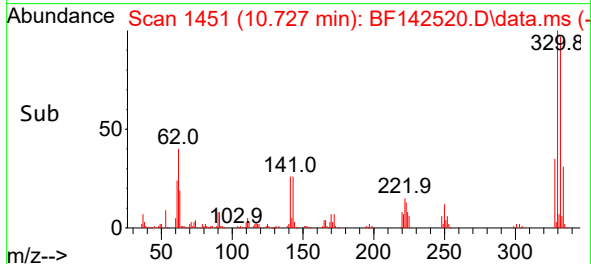
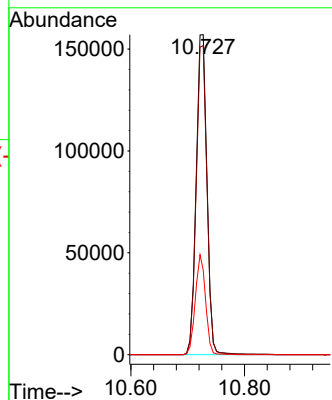


#42
2,4,6-Tribromophenol
Concen: 115.560 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

Instrument :
BNA_F
ClientSampleId :
RBR251372

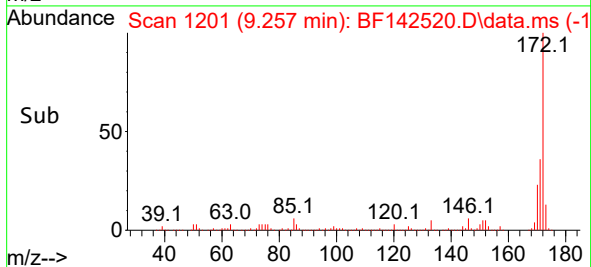
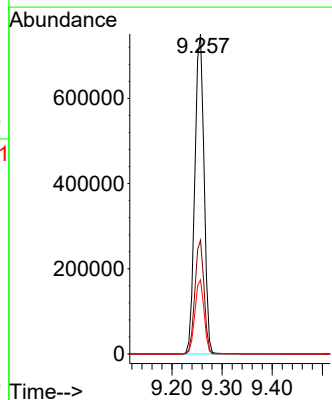
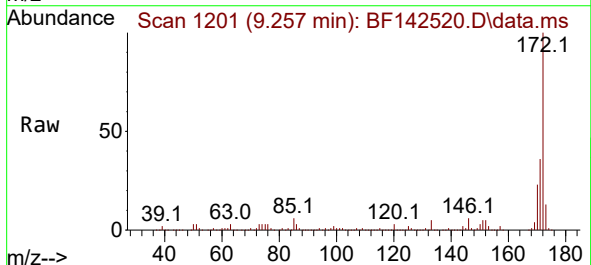


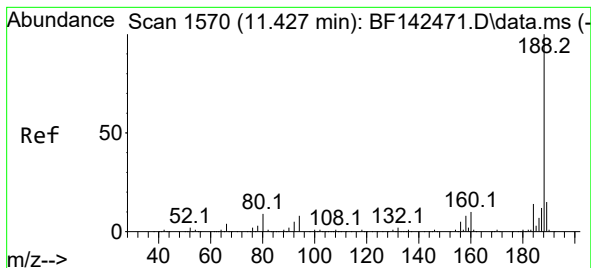
Tgt Ion:330 Resp: 208478
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 29.6 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 79.403 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142520.D
Acq: 22 May 2025 19:56

Tgt Ion:172 Resp: 961850
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.1 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: BF142520.D

Acq: 22 May 2025 19:56

Instrument :

BNA_F

ClientSampleId :

RBR251372

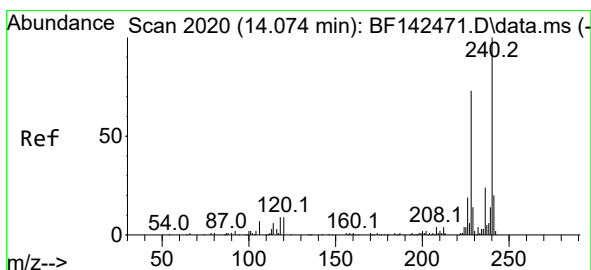
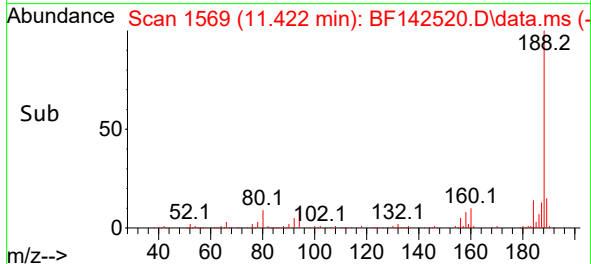
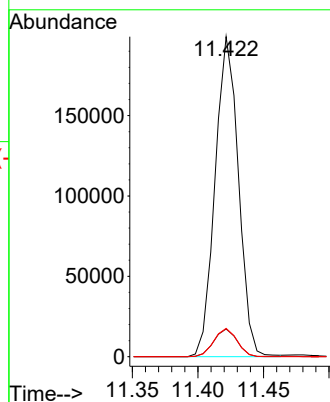
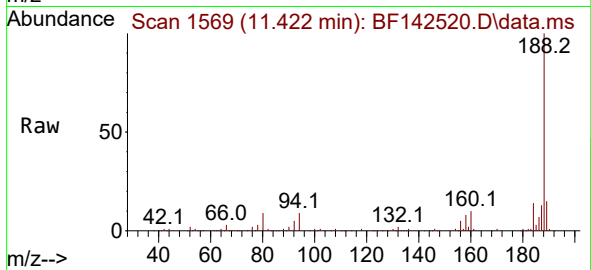
Tgt Ion:188 Resp: 246330

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 8.8 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: BF142520.D

Acq: 22 May 2025 19:56

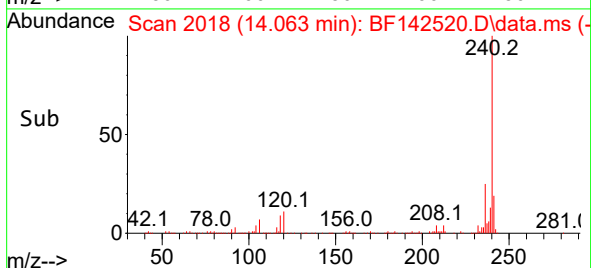
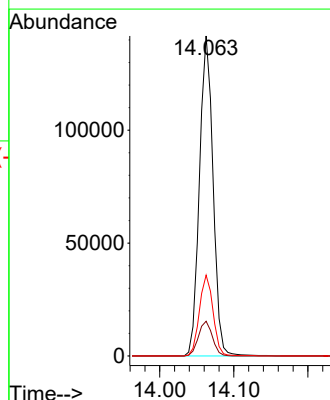
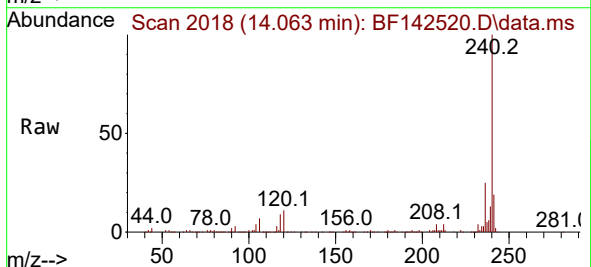
Tgt Ion:240 Resp: 180629

Ion Ratio Lower Upper

240 100

120 10.9 7.5 11.3

236 25.3 19.6 29.4

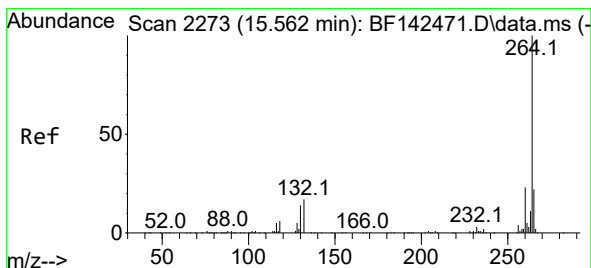
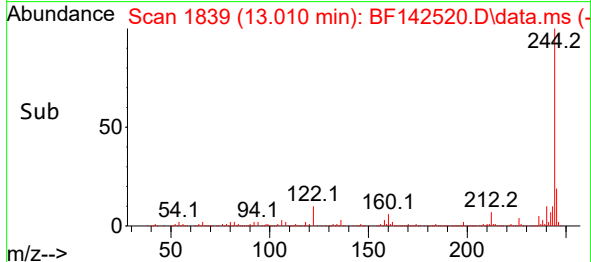
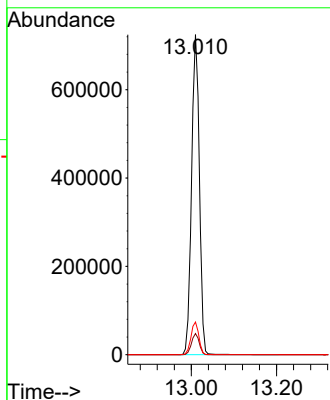
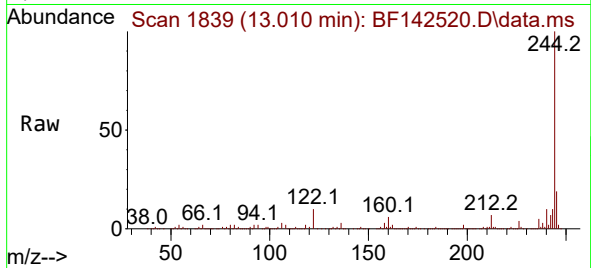




#79
 Terphenyl-d14
 Concen: 69.575 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142520.D
 Acq: 22 May 2025 19:56

Instrument :
 BNA_F
 ClientSampleId :
 RBR251372

Tgt Ion:244 Resp: 919635
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 10.2 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142520.D
 Acq: 22 May 2025 19:56

Tgt Ion:264 Resp: 140667
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.6 17.7 26.5

