

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142952.D
 Acq On : 01 Jul 2025 16:27
 Operator : RC/JU
 Sample : Q2449-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200032

Quant Time: Jul 01 16:58:41 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	67119	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	256101	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	132400	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	210889	20.000	ng	0.00
76) Chrysene-d12	14.045	240	128060	20.000	ng	-0.01
86) Perylene-d12	15.539	264	142429	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	258574	64.141	ng	0.00
7) Phenol-d6	6.498	99	323034	67.918	ng	-0.01
23) Nitrobenzene-d5	7.434	82	197217	42.239	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	92120	67.612	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	481038	47.729	ng	-0.01
79) Terphenyl-d14	12.992	244	387799	41.842	ng	0.00

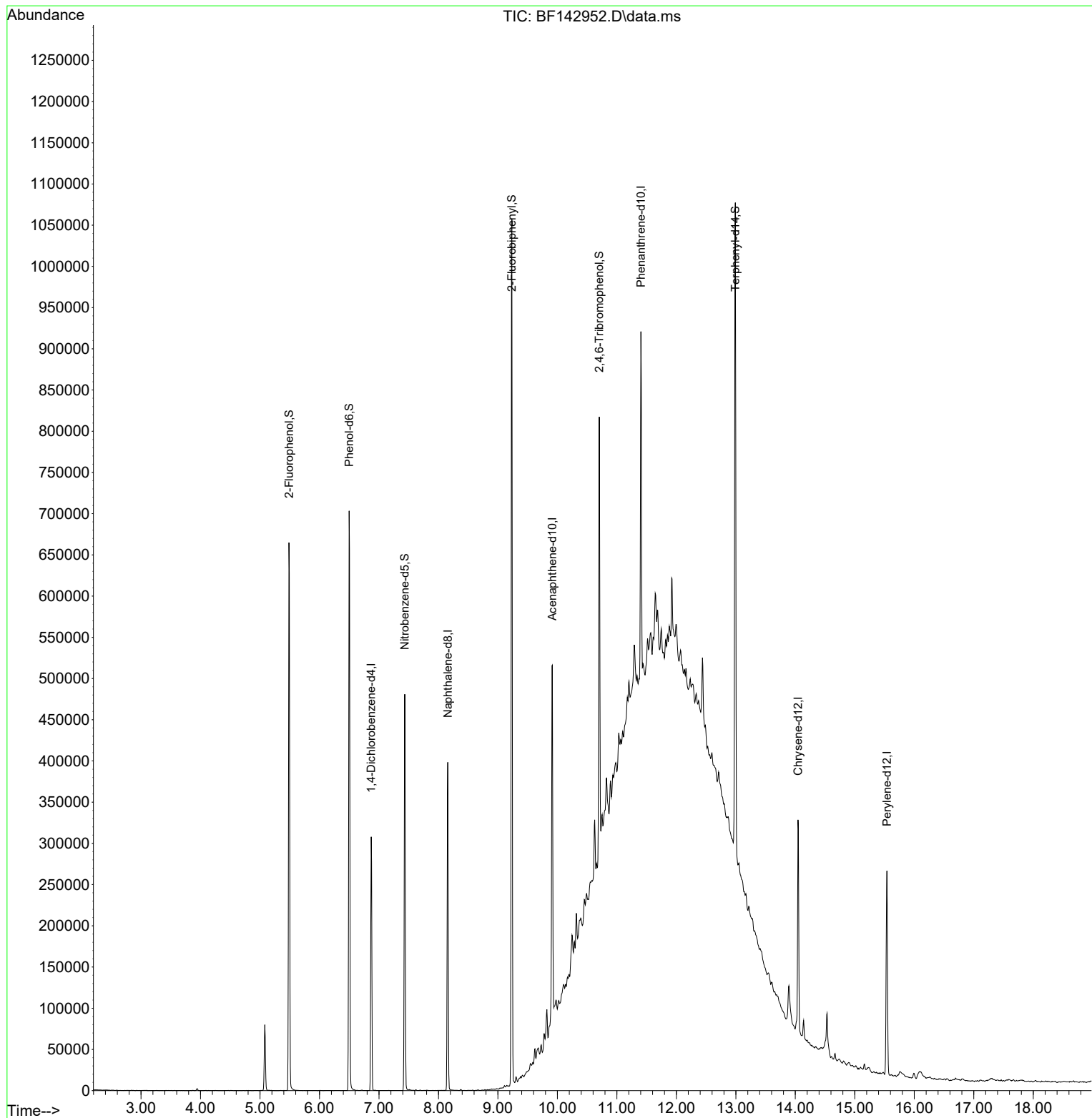
Target Compounds	Qvalue

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

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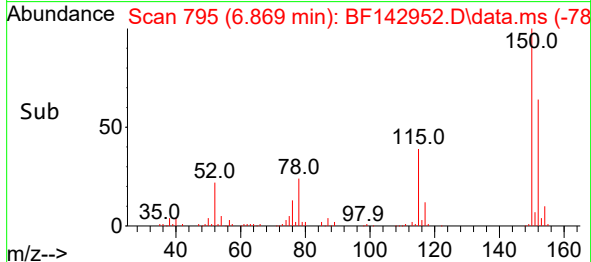
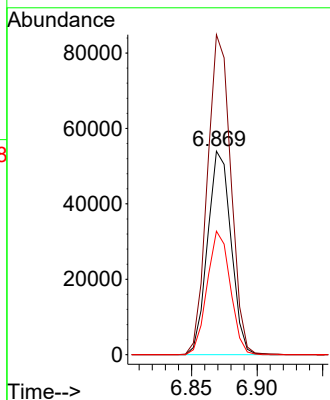
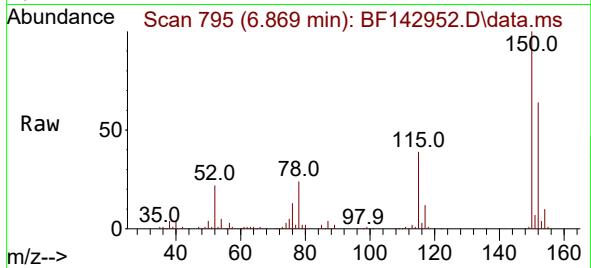




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142952.D
Acq: 01 Jul 2025 16:27

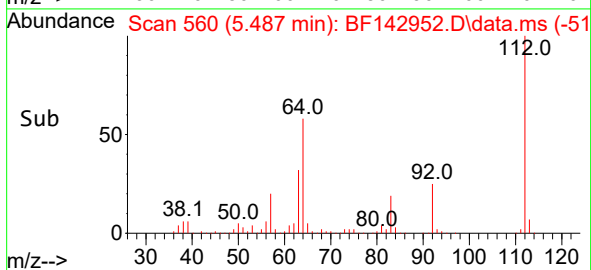
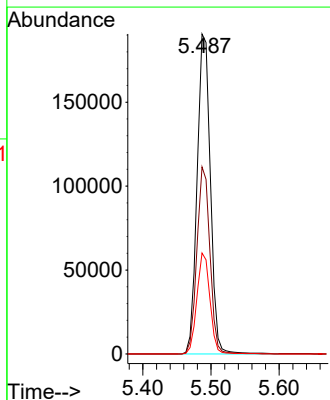
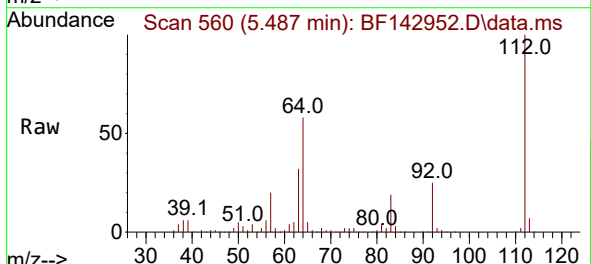
Instrument :
BNA_F
ClientSampleId :
RBR200032

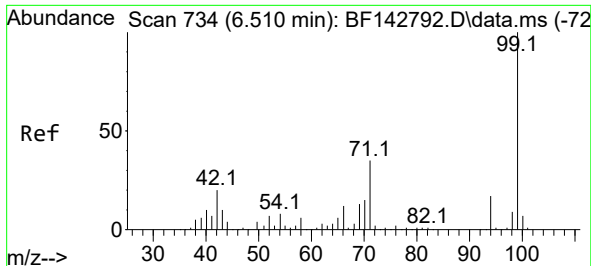
Tgt Ion:152 Resp: 67119
Ion Ratio Lower Upper
152 100
150 157.2 127.2 190.8
115 60.7 46.6 69.8



#5
2-Fluorophenol
Concen: 64.141 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142952.D
Acq: 01 Jul 2025 16:27

Tgt Ion:112 Resp: 258574
Ion Ratio Lower Upper
112 100
64 58.5 48.2 72.2
63 31.5 25.7 38.5

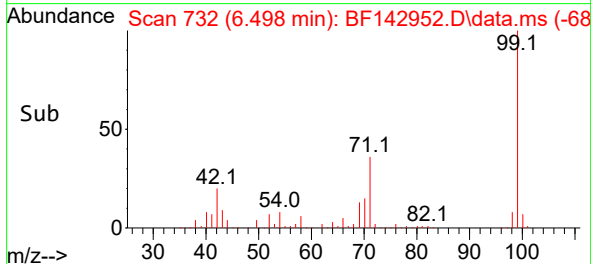
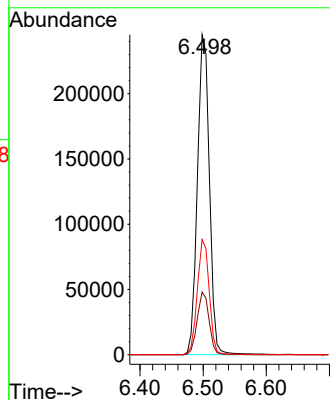
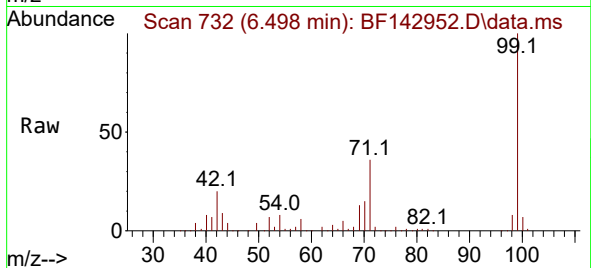




#7
Phenol-d6
Concen: 67.918 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142952.D
Acq: 01 Jul 2025 16:27

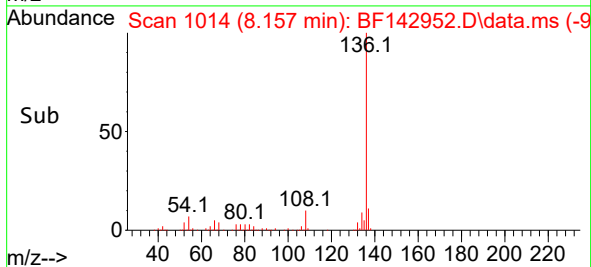
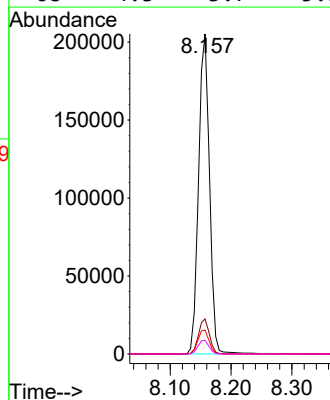
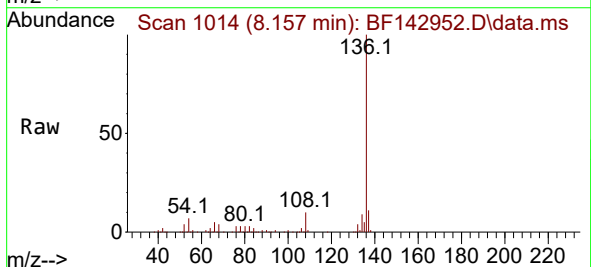
Instrument :
BNA_F
ClientSampleId :
RBR200032

Tgt Ion: 99 Resp: 323034
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 36.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142952.D
Acq: 01 Jul 2025 16:27

Tgt Ion: 136 Resp: 256101
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.5 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 42.239 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142952.D

Acq: 01 Jul 2025 16:27

Instrument :

BNA_F

ClientSampleId :

RBR200032

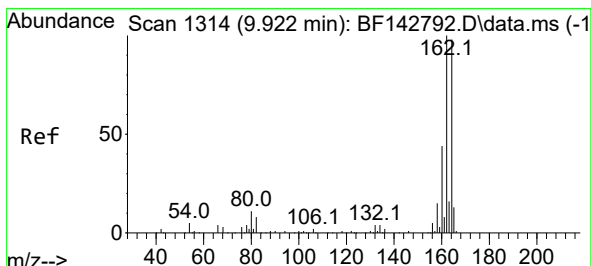
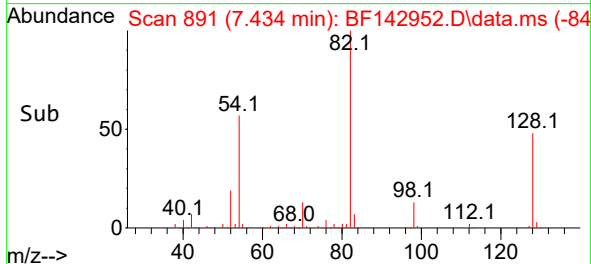
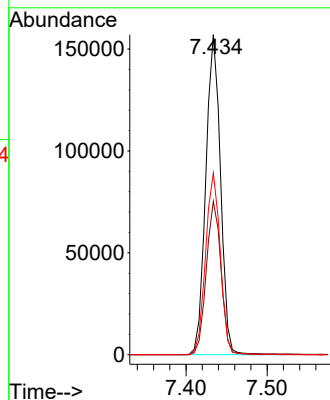
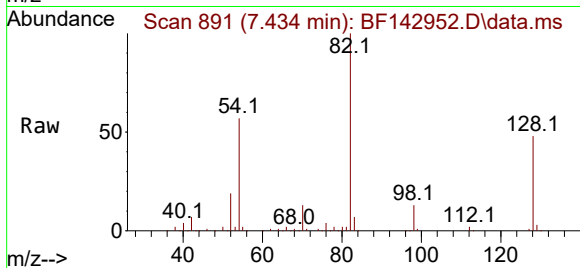
Tgt Ion: 82 Resp: 197217

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 56.7 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142952.D

Acq: 01 Jul 2025 16:27

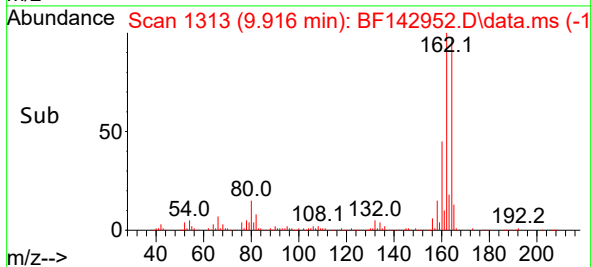
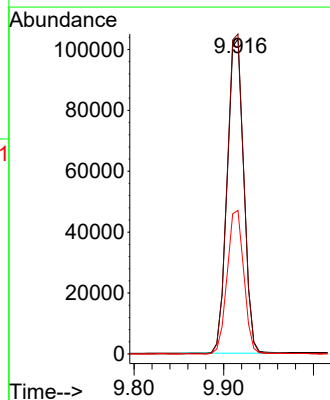
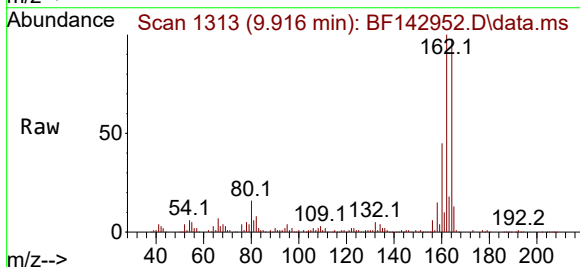
Tgt Ion:164 Resp: 132400

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.8

160 45.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 67.612 ng

RT: 10.704 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF142952.D

Acq: 01 Jul 2025 16:27

Instrument :

BNA_F

ClientSampleId :

RBR200032

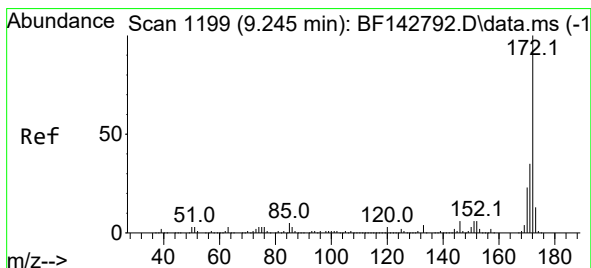
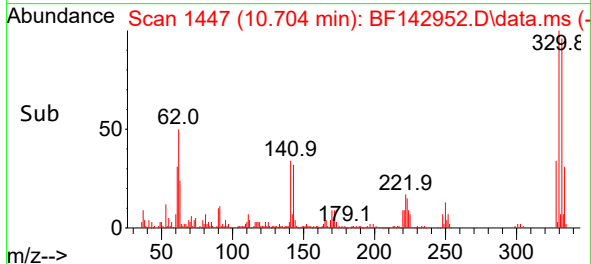
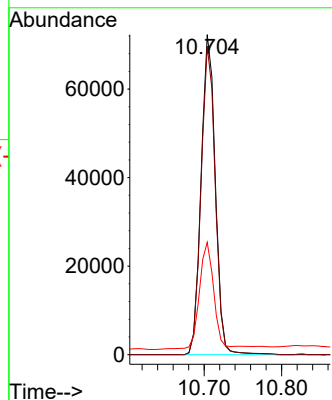
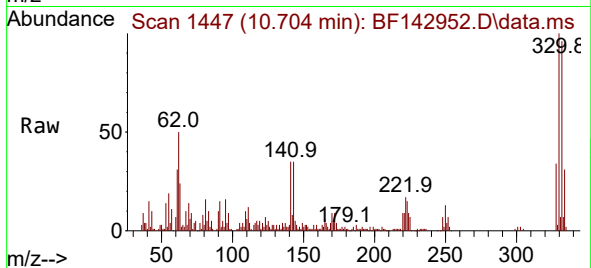
Tgt Ion:330 Resp: 92120

Ion Ratio Lower Upper

330 100

332 96.0 75.0 112.6

141 34.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 47.729 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142952.D

Acq: 01 Jul 2025 16:27

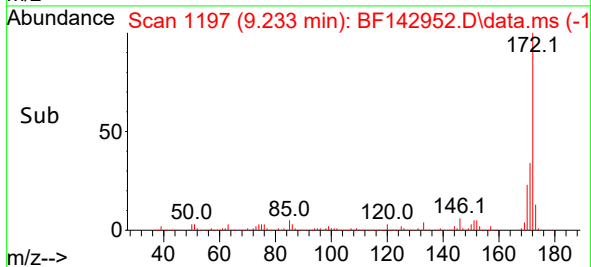
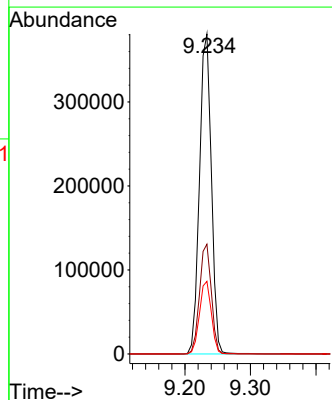
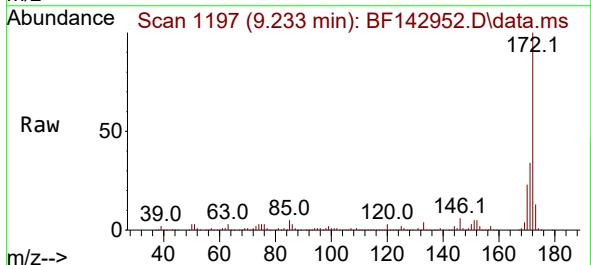
Tgt Ion:172 Resp: 481038

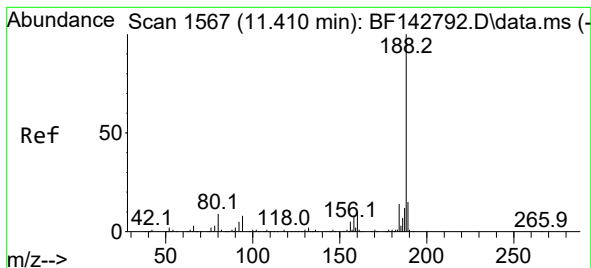
Ion Ratio Lower Upper

172 100

171 34.3 28.2 42.4

170 22.7 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142952.D

Acq: 01 Jul 2025 16:27

Instrument :

BNA_F

ClientSampleId :

RBR200032

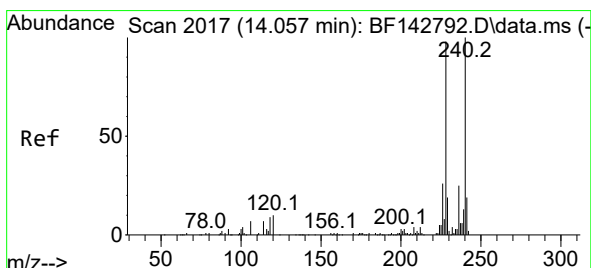
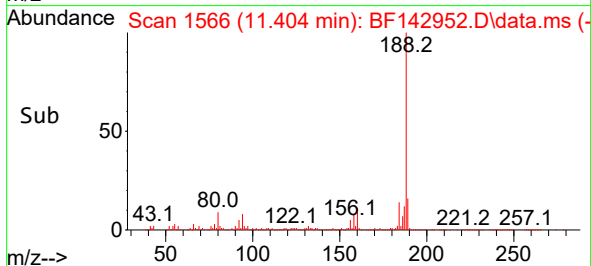
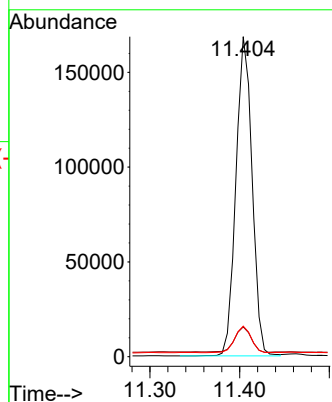
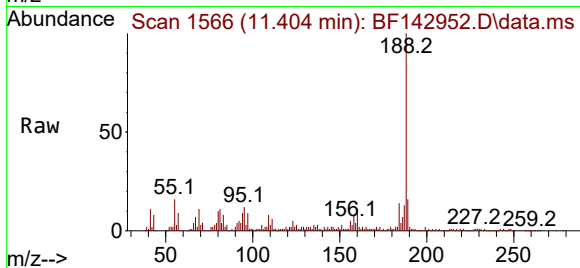
Tgt Ion:188 Resp: 210889

Ion Ratio Lower Upper

188 100

94 9.3 6.7 10.1

80 9.6 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF142952.D

Acq: 01 Jul 2025 16:27

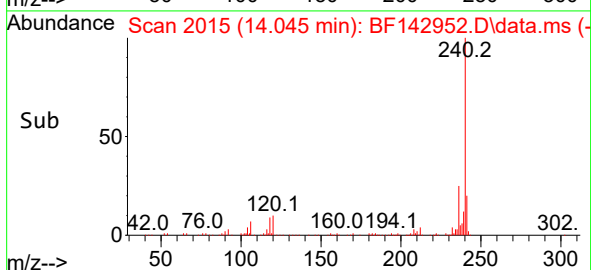
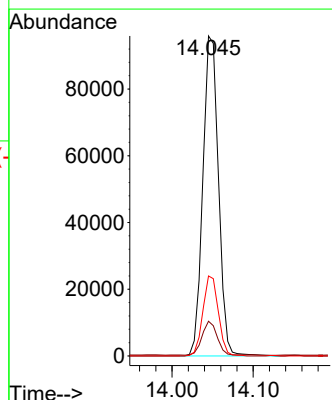
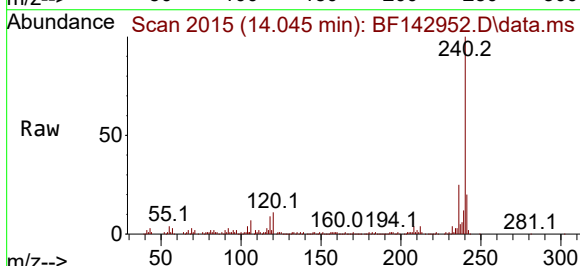
Tgt Ion:240 Resp: 128060

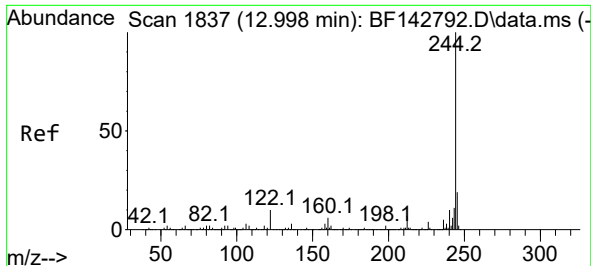
Ion Ratio Lower Upper

240 100

120 10.8 8.2 12.2

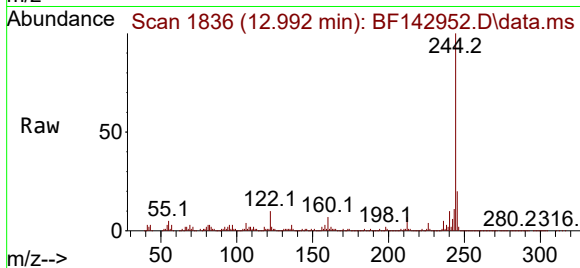
236 25.0 19.8 29.8



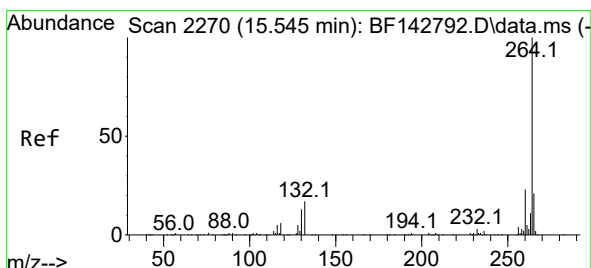
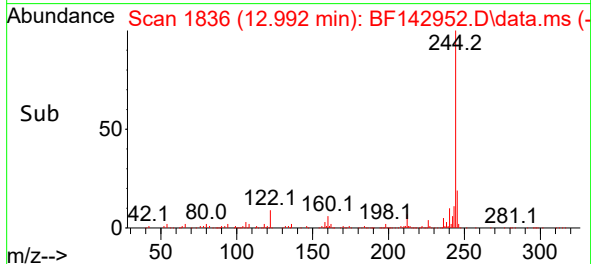
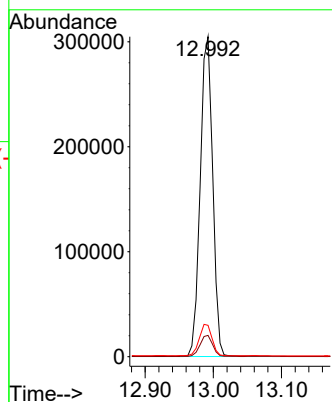


#79
 Terphenyl-d14
 Concen: 41.842 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142952.D
 Acq: 01 Jul 2025 16:27

Instrument :
 BNA_F
 ClientSampleId :
 RBR200032



Tgt Ion:244 Resp: 387799
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.8 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142952.D
 Acq: 01 Jul 2025 16:27

Tgt Ion:264 Resp: 142429
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.1 16.6 25.0

