

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142537.D
 Acq On : 23 May 2025 16:05
 Operator : RC/JU
 Sample : Q2100-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Quant Time: May 23 17:03:56 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	114387	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	436187	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	233620	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	387454	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	212215	20.000	ng	-0.01
86) Perylene-d12	15.557	264	222870	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	557183	82.065	ng	0.00
7) Phenol-d6	6.516	99	687727	84.147	ng	-0.02
23) Nitrobenzene-d5	7.457	82	413511	51.694	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	211280	81.484	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	872556	50.118	ng	-0.01
79) Terphenyl-d14	13.010	244	738092	47.529	ng	0.00

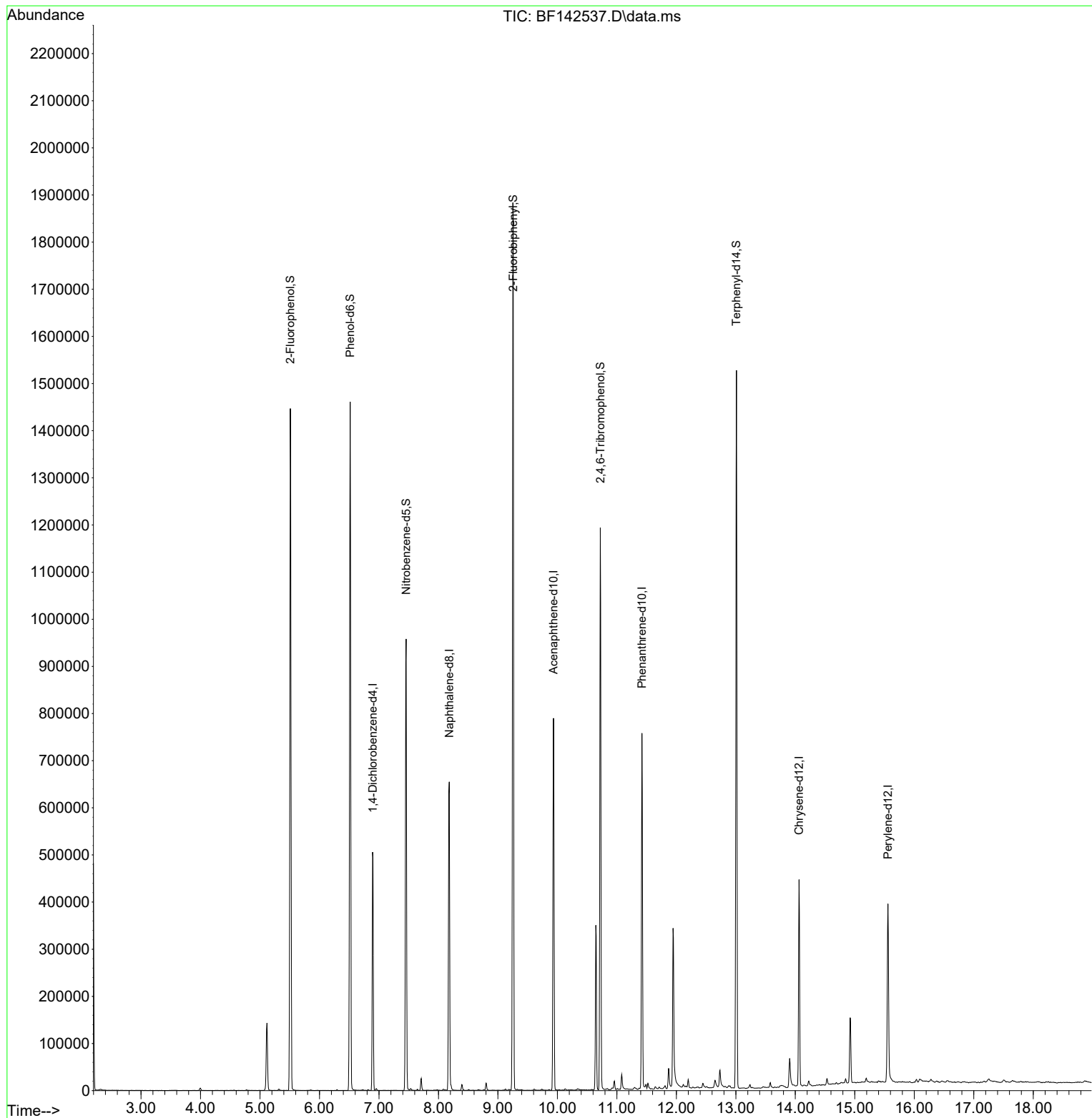
Target Compounds	Qvalue

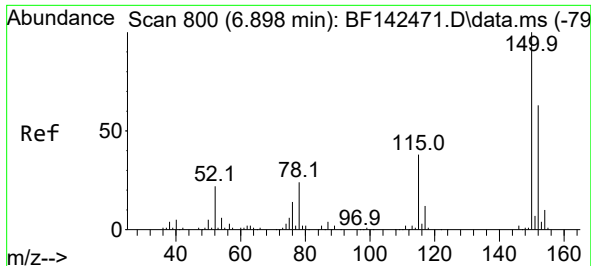
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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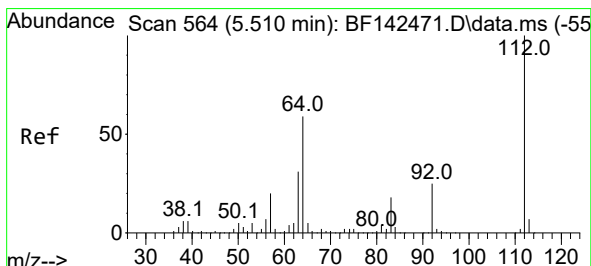
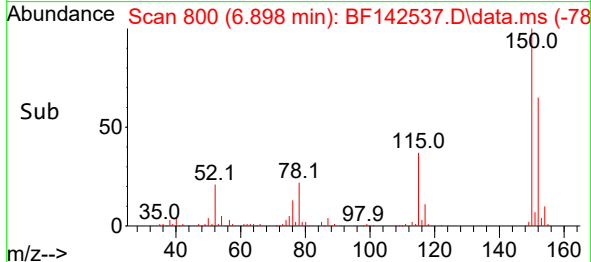
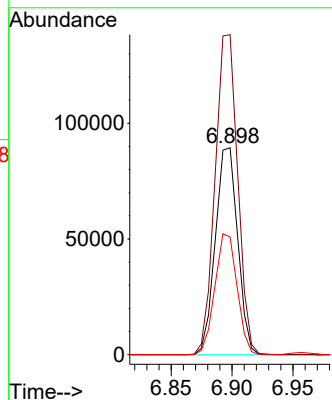
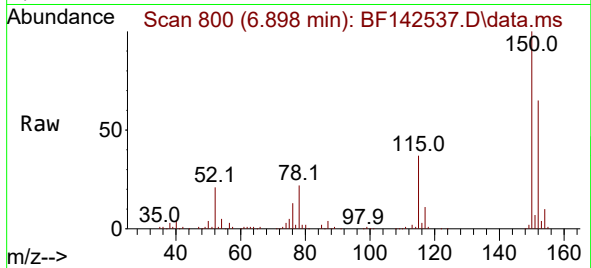




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

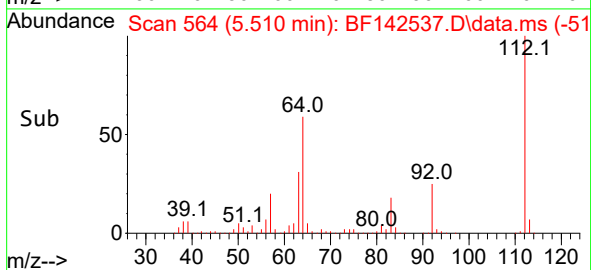
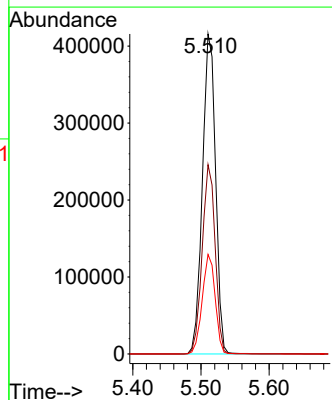
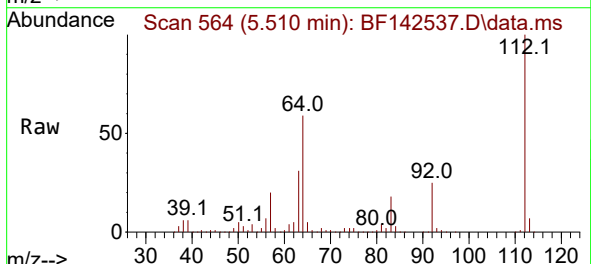
Instrument :
BNA_F
ClientSampleId :
TP-16

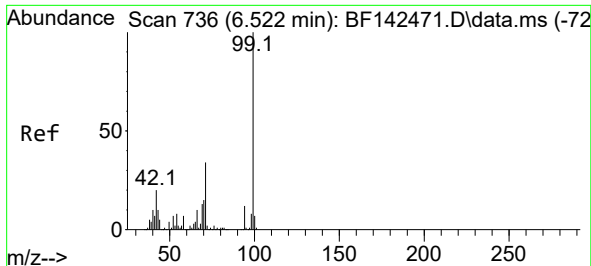
Tgt Ion:152 Resp: 114387
Ion Ratio Lower Upper
152 100
150 154.7 128.2 192.4
115 56.9 48.3 72.5



#5
2-Fluorophenol
Concen: 82.065 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

Tgt Ion:112 Resp: 557183
Ion Ratio Lower Upper
112 100
64 59.2 47.5 71.3
63 31.1 24.9 37.3

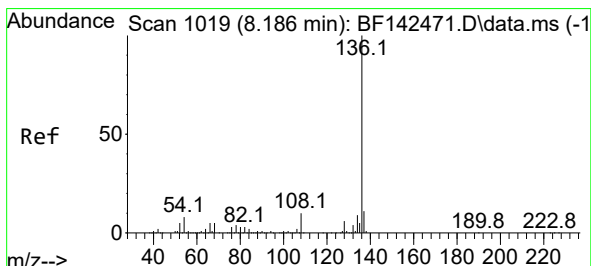
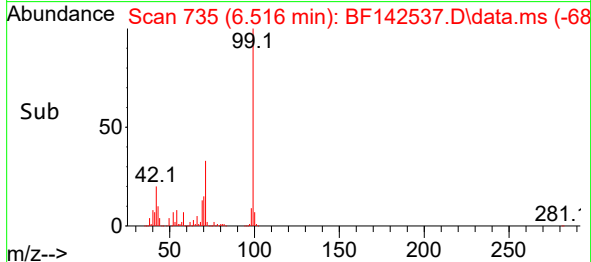
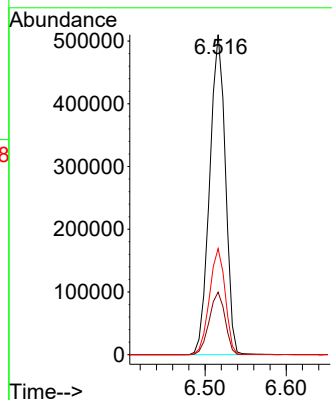
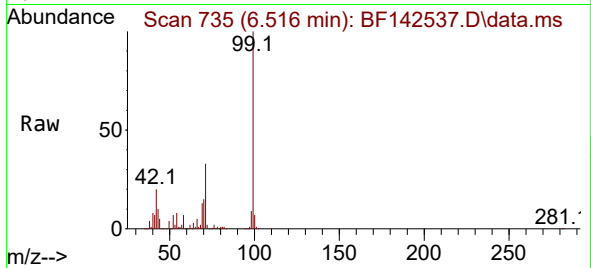




#7
Phenol-d6
Concen: 84.147 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

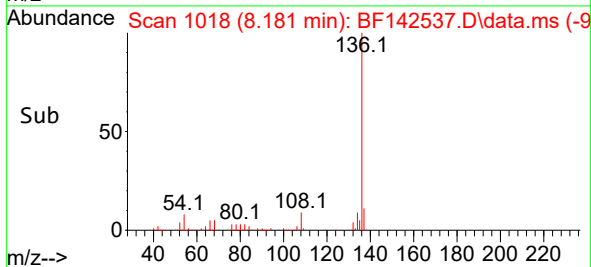
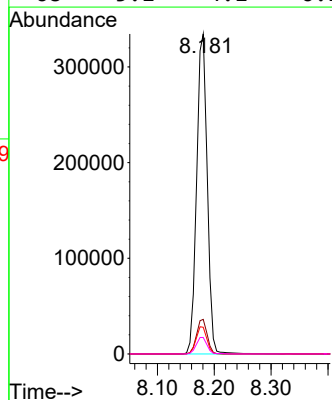
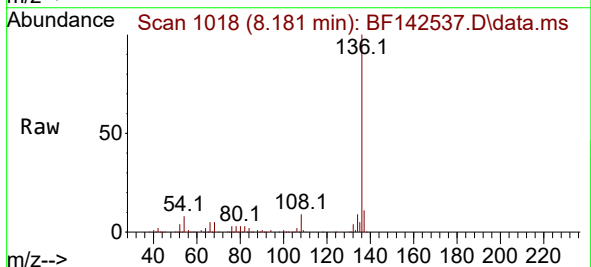
Instrument :
BNA_F
ClientSampleId :
TP-16

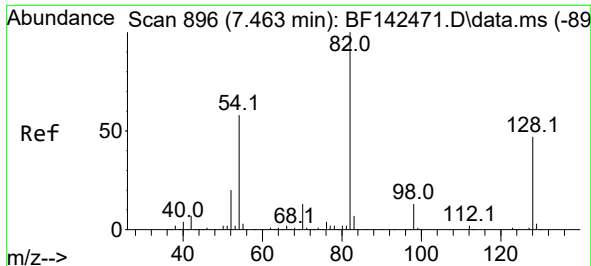
Tgt Ion: 99 Resp: 687727
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 33.1 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142537.D
Acq: 23 May 2025 16:05

Tgt Ion: 136 Resp: 436187
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 6.6 10.0
68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 51.694 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142537.D

Acq: 23 May 2025 16:05

Instrument :

BNA_F

ClientSampleId :

TP-16

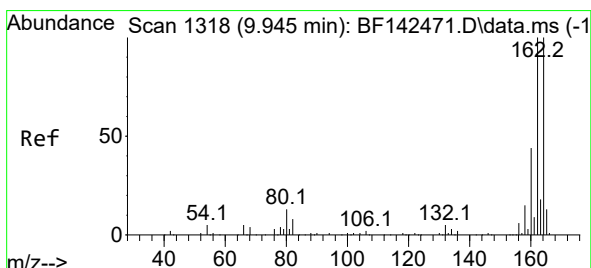
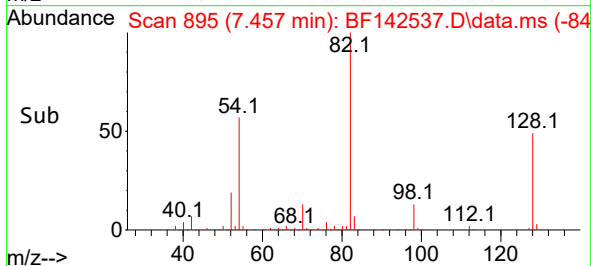
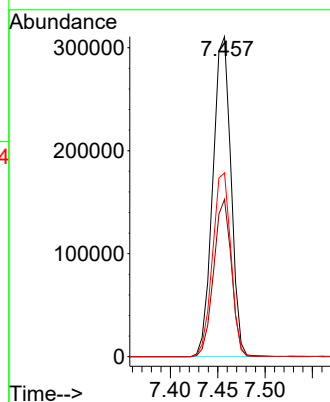
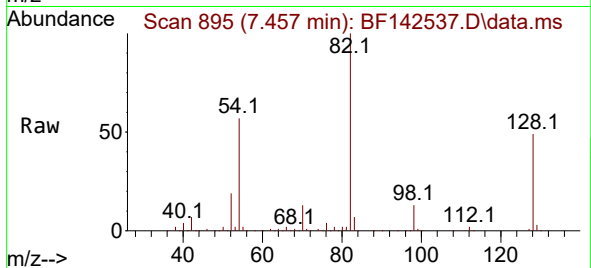
Tgt Ion: 82 Resp: 413511

Ion Ratio Lower Upper

82 100

128 49.2 37.4 56.2

54 57.5 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: BF142537.D

Acq: 23 May 2025 16:05

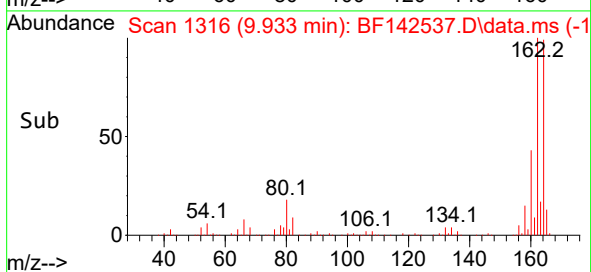
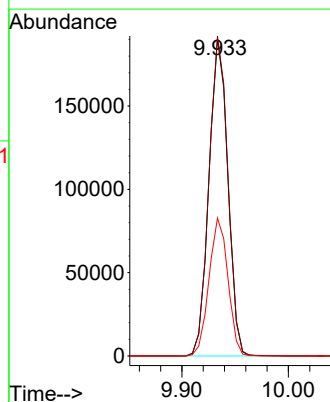
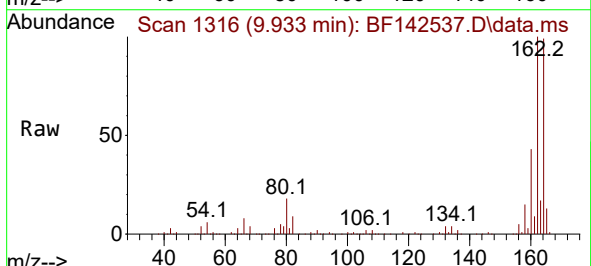
Tgt Ion:164 Resp: 233620

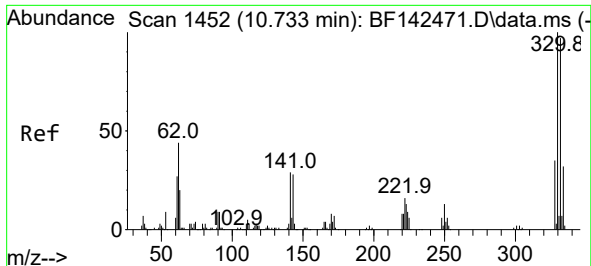
Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.4

160 43.5 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 81.484 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.018 min

Lab File: BF142537.D

Acq: 23 May 2025 16:05

Instrument :

BNA_F

ClientSampleId :

TP-16

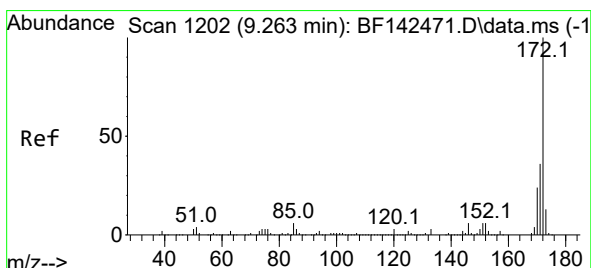
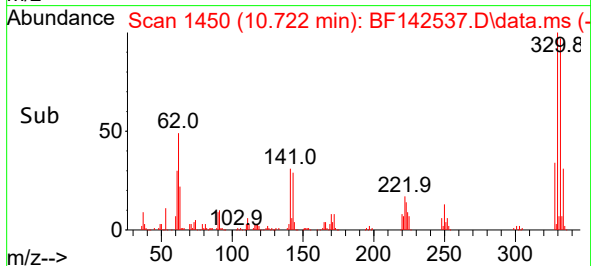
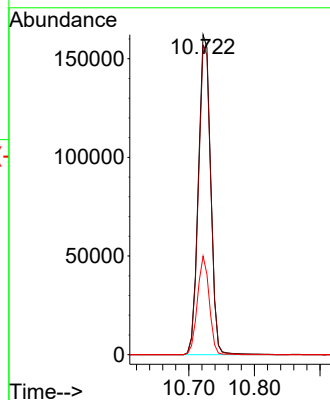
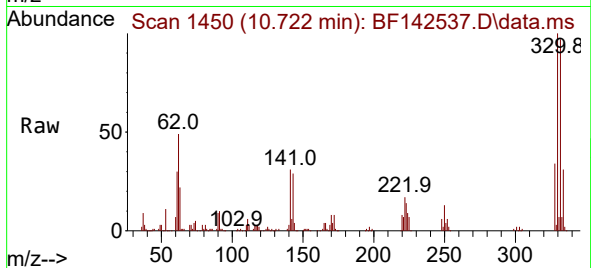
Tgt Ion:330 Resp: 211280

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 29.6 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 50.118 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142537.D

Acq: 23 May 2025 16:05

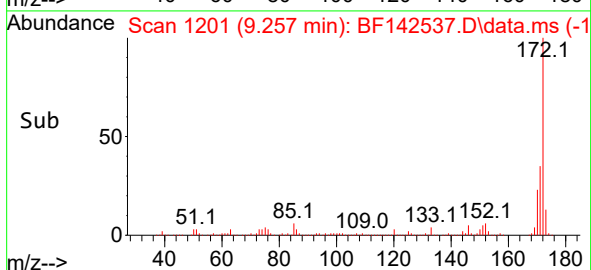
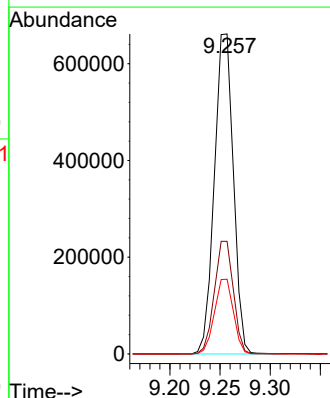
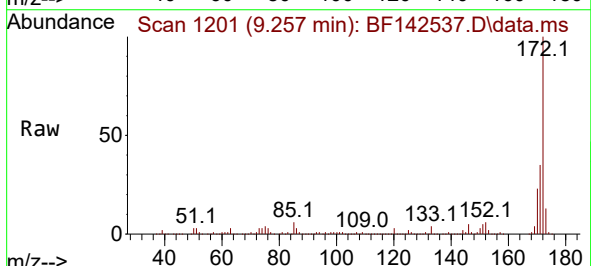
Tgt Ion:172 Resp: 872556

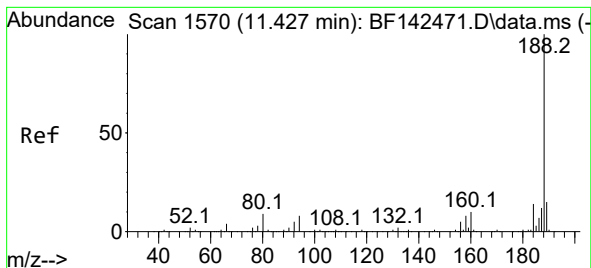
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.3 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: BF142537.D

Acq: 23 May 2025 16:05

Instrument :

BNA_F

ClientSampleId :

TP-16

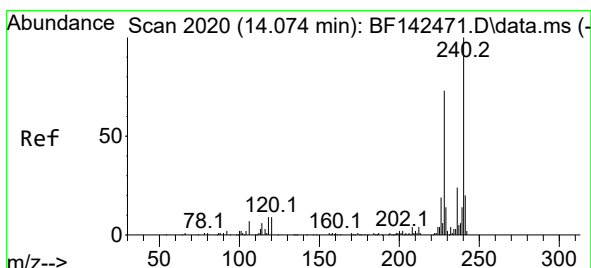
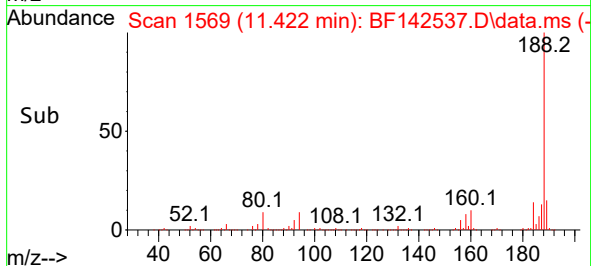
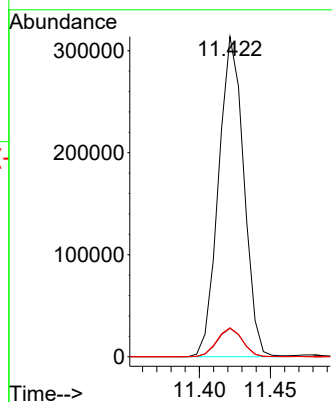
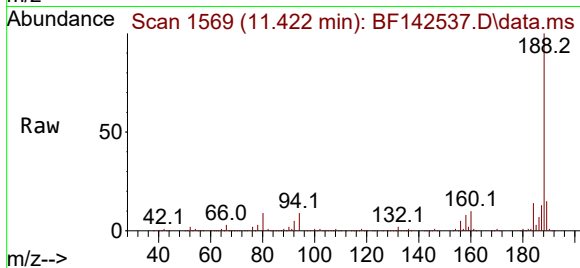
Tgt Ion:188 Resp: 387454

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.1 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: BF142537.D

Acq: 23 May 2025 16:05

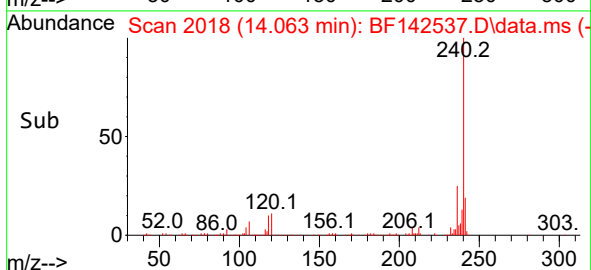
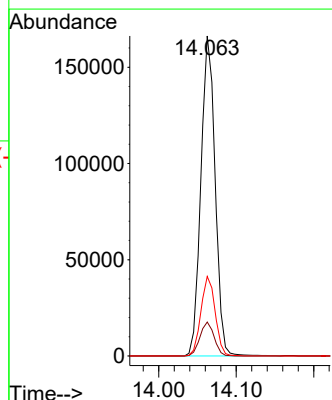
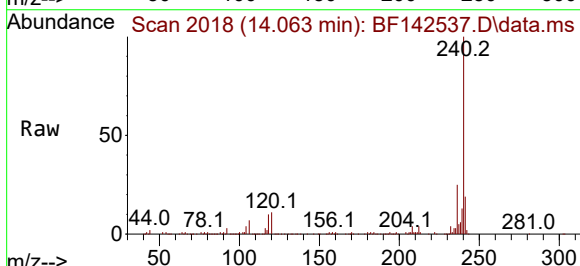
Tgt Ion:240 Resp: 212215

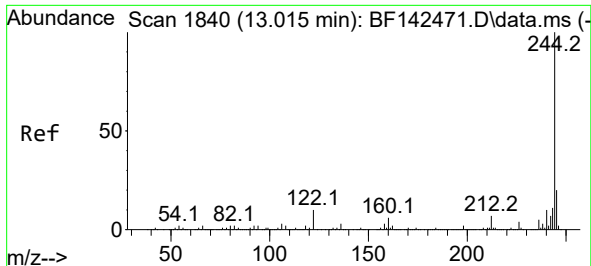
Ion Ratio Lower Upper

240 100

120 10.6 7.5 11.3

236 24.9 19.6 29.4

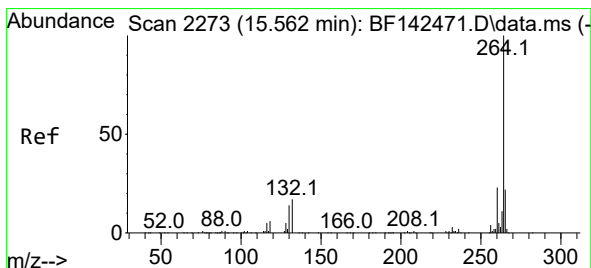
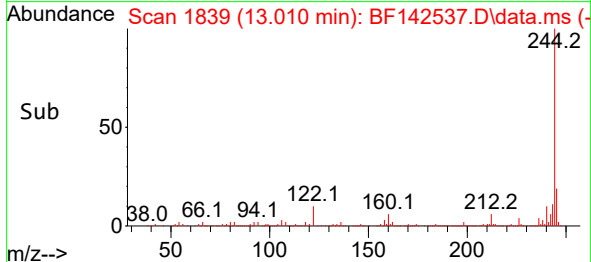
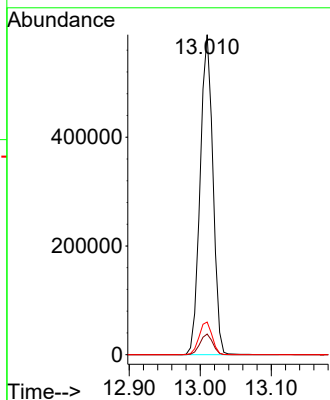
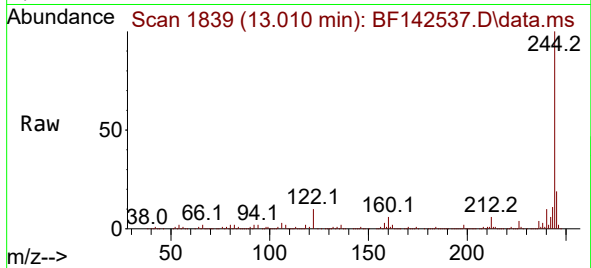




#79
 Terphenyl-d14
 Concen: 47.529 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142537.D
 Acq: 23 May 2025 16:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Tgt Ion:244 Resp: 738092
 Ion Ratio Lower Upper
 244 100
 212 6.4 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: BF142537.D
 Acq: 23 May 2025 16:05

Tgt Ion:264 Resp: 222870
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.6 17.7 26.5

