

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142582.D
 Acq On : 30 May 2025 21:13
 Operator : RC/JU
 Sample : Q2150-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-53

Quant Time: May 30 22:29:46 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	130201	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	494621	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	254536	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	398630	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	231944	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	262922	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	638105	82.569	ng	0.00
7) Phenol-d6	6.516	99	781521	84.008	ng	-0.02
23) Nitrobenzene-d5	7.457	82	467367	51.524	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	206735	73.180	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	902888	47.598	ng	-0.01
79) Terphenyl-d14	13.010	244	744692	43.875	ng	0.00

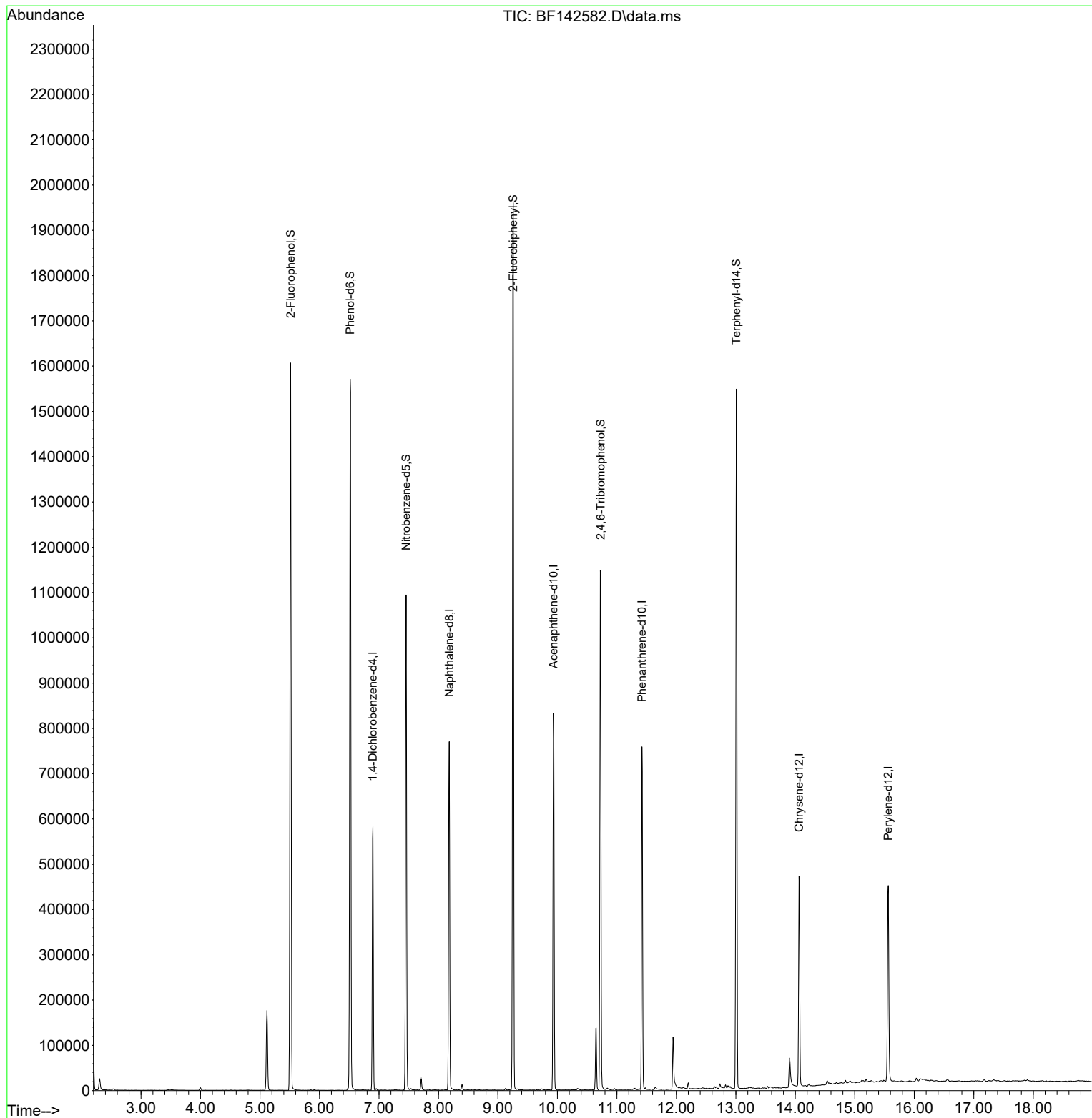
Target Compounds	Qvalue

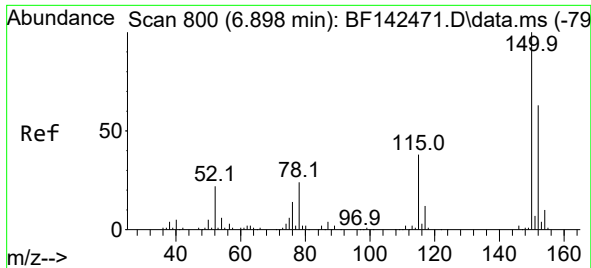
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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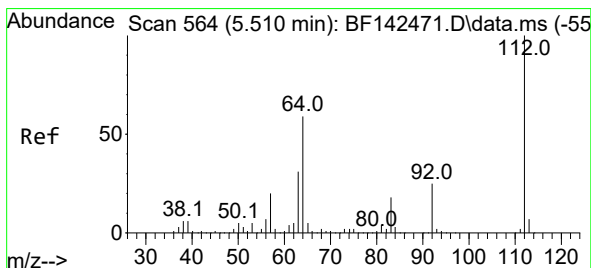
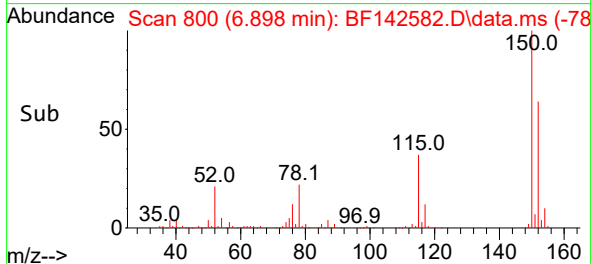
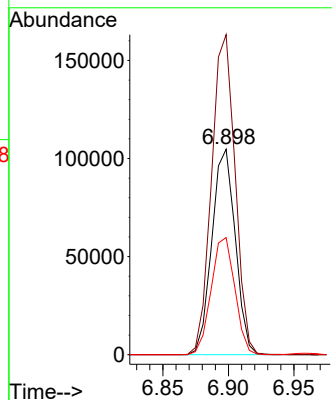
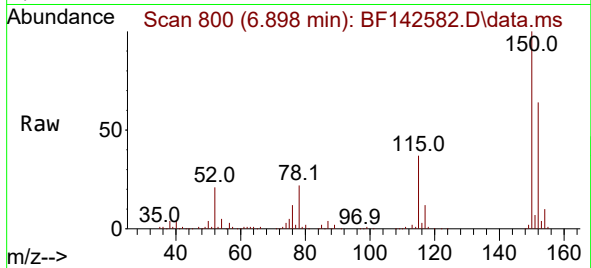




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

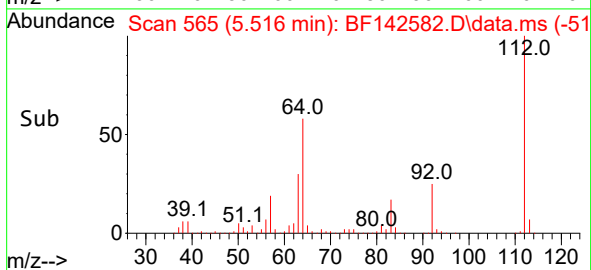
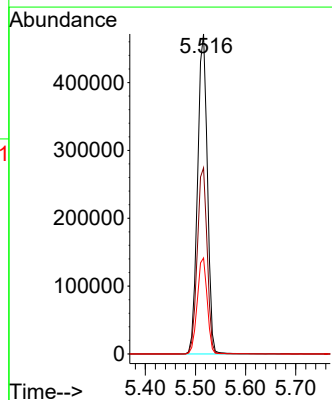
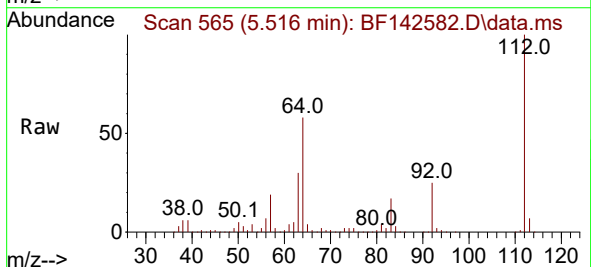
Instrument :
BNA_F
ClientSampleId :
TP-53

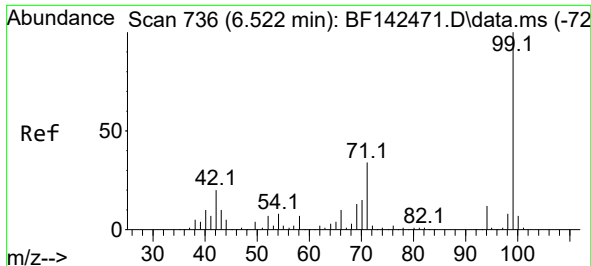
Tgt Ion:152 Resp: 130201
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.0 48.3 72.5



#5
2-Fluorophenol
Concen: 82.569 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:112 Resp: 638105
Ion Ratio Lower Upper
112 100
64 58.1 47.5 71.3
63 30.0 24.9 37.3

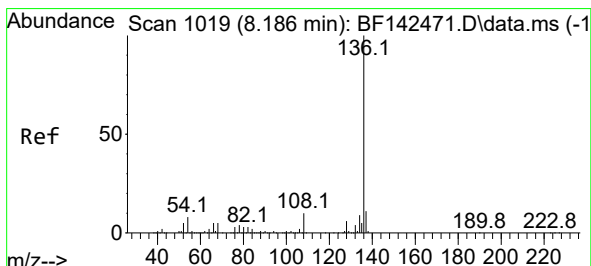
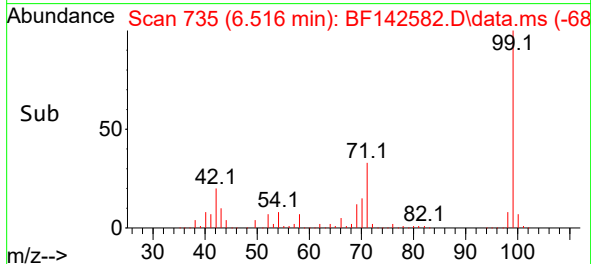
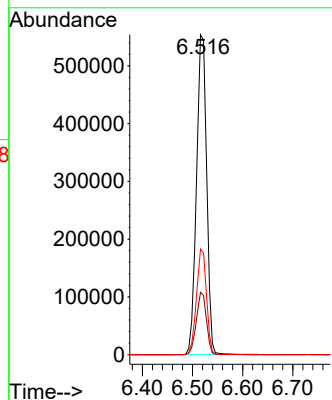
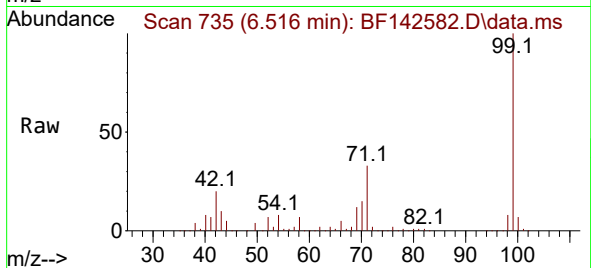




#7
Phenol-d6
Concen: 84.008 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

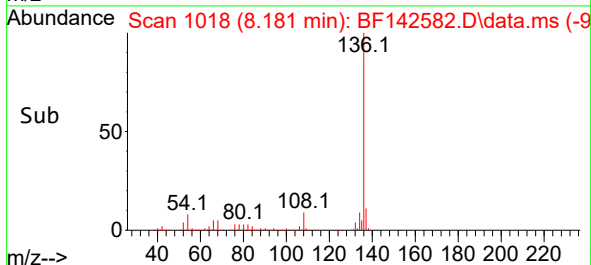
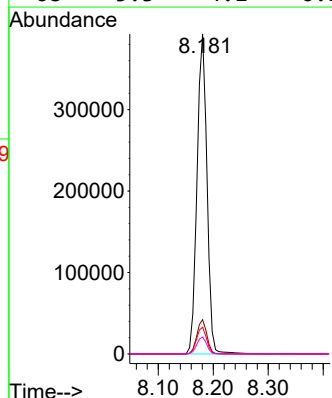
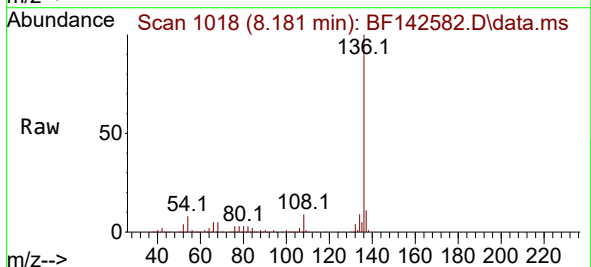
Instrument :
BNA_F
ClientSampleId :
TP-53

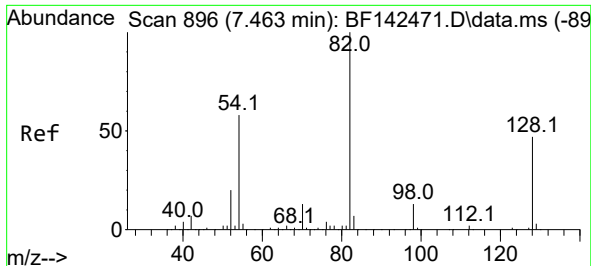
Tgt Ion: 99 Resp: 781521
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.2
71 33.0 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion: 136 Resp: 494621
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 51.524 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142582.D

Acq: 30 May 2025 21:13

Instrument :

BNA_F

ClientSampleId :

TP-53

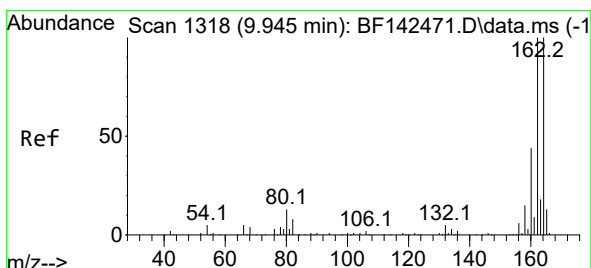
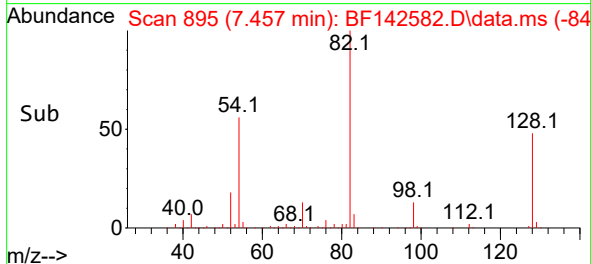
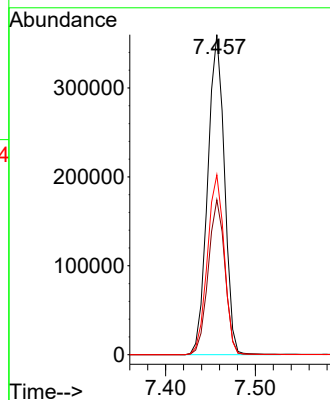
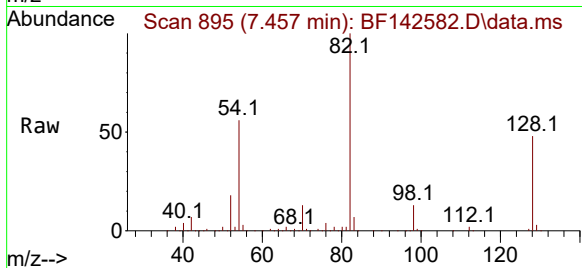
Tgt Ion: 82 Resp: 467367

Ion Ratio Lower Upper

82 100

128 48.4 37.4 56.2

54 56.2 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: BF142582.D

Acq: 30 May 2025 21:13

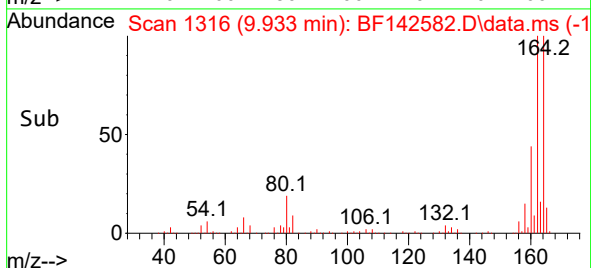
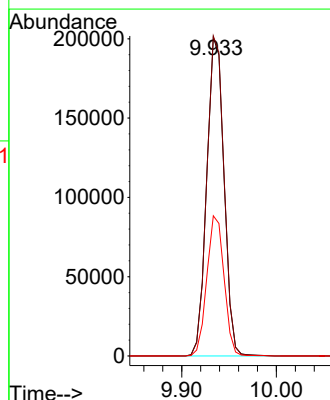
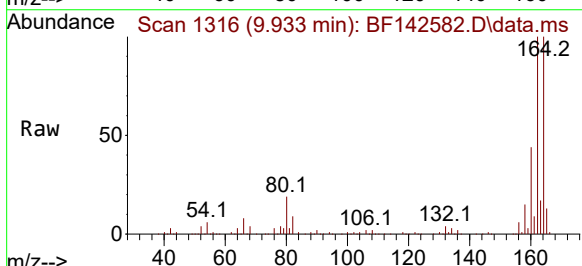
Tgt Ion:164 Resp: 254536

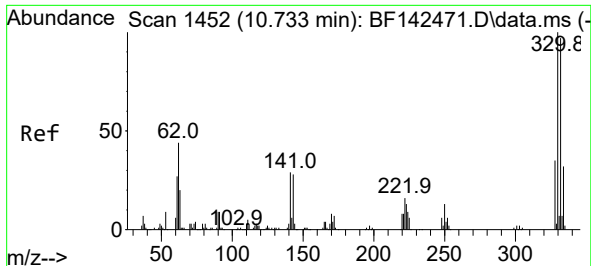
Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.4

160 44.0 35.6 53.4

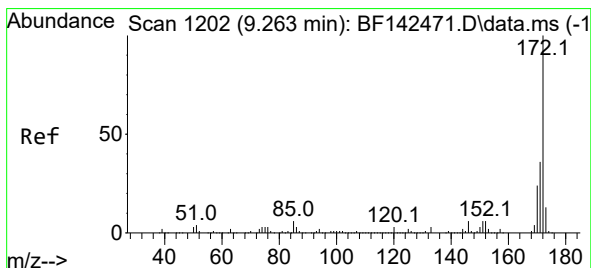
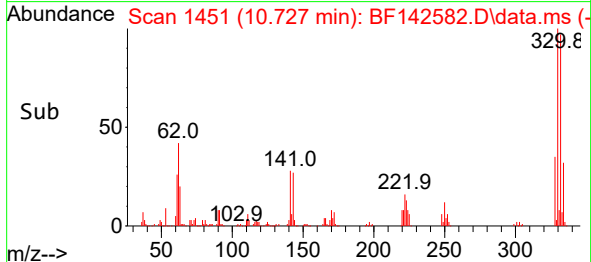
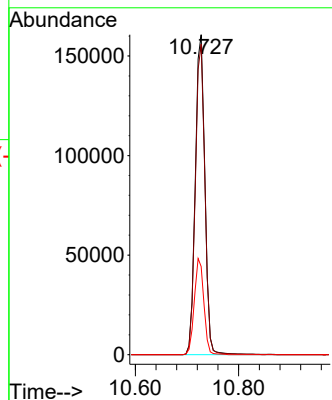
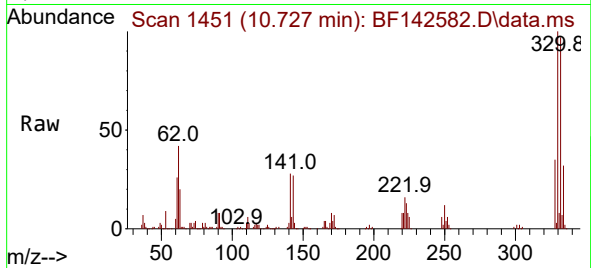




#42
 2,4,6-Tribromophenol
 Concen: 73.180 ng
 RT: 10.727 min Scan# 1451
 Delta R.T. -0.012 min
 Lab File: BF142582.D
 Acq: 30 May 2025 21:13

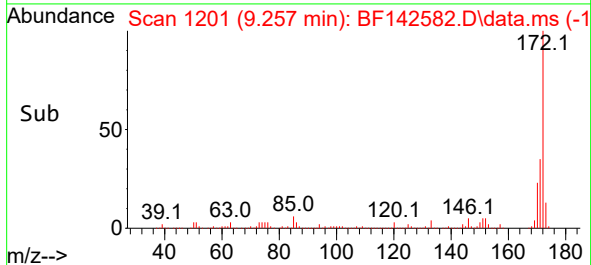
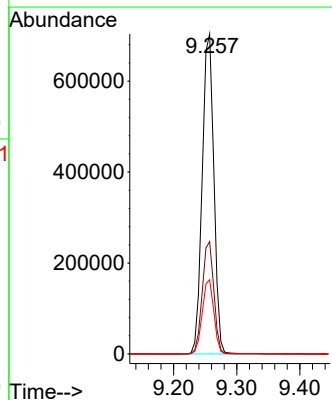
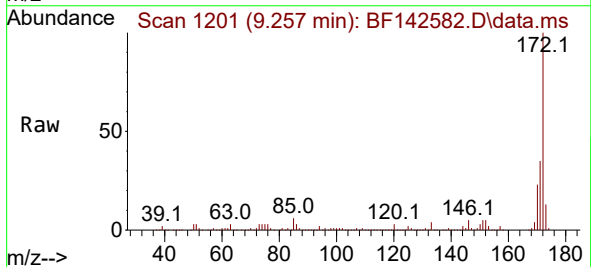
Instrument :
 BNA_F
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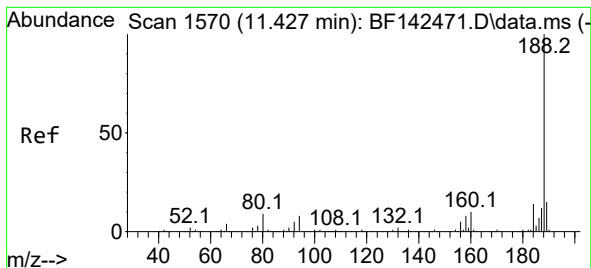
Tgt Ion: 330 Resp: 206735
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.6 116.4
 141 29.9 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 47.598 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF142582.D
 Acq: 30 May 2025 21:13

Tgt Ion: 172 Resp: 902888
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 42.8
 170 23.2 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: BF142582.D

Acq: 30 May 2025 21:13

Instrument :

BNA_F

ClientSampleId :

TP-53

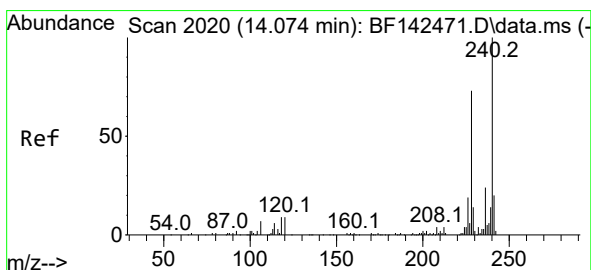
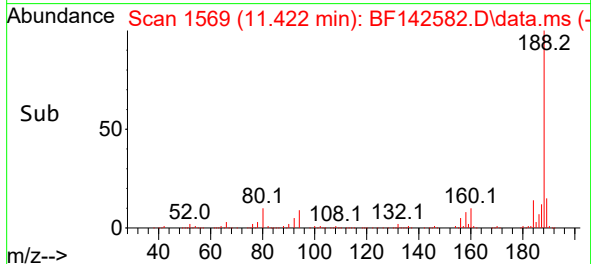
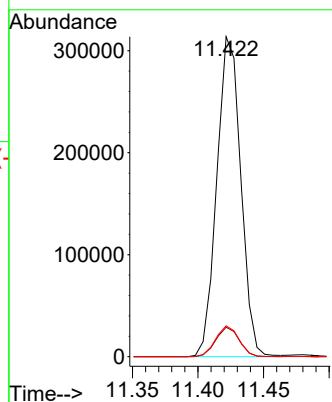
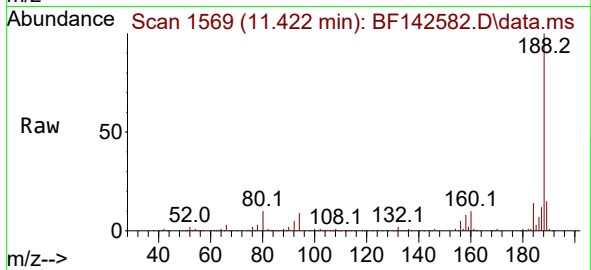
Tgt Ion:188 Resp: 398630

Ion Ratio Lower Upper

188 100

94 9.2 6.6 10.0

80 9.6 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: BF142582.D

Acq: 30 May 2025 21:13

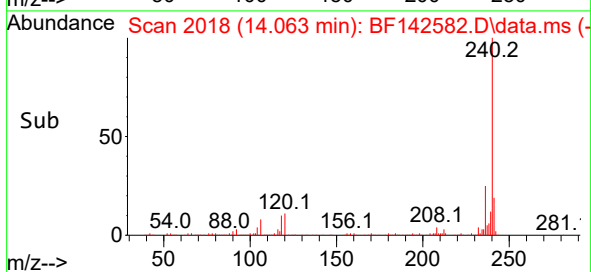
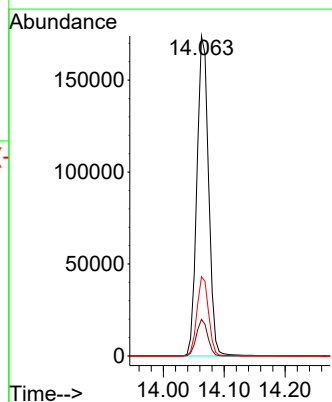
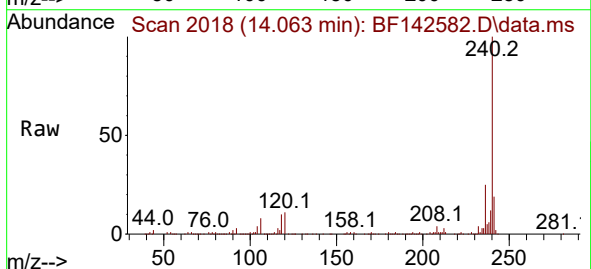
Tgt Ion:240 Resp: 231944

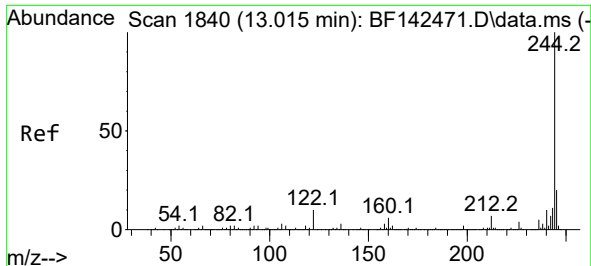
Ion Ratio Lower Upper

240 100

120 11.4 7.5 11.3#

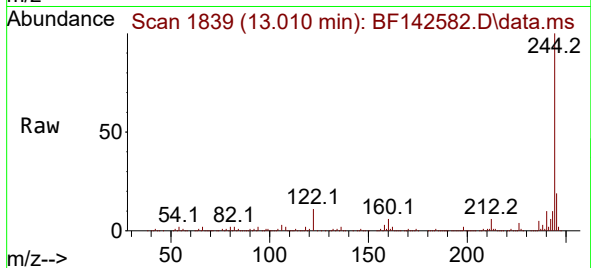
236 24.8 19.6 29.4



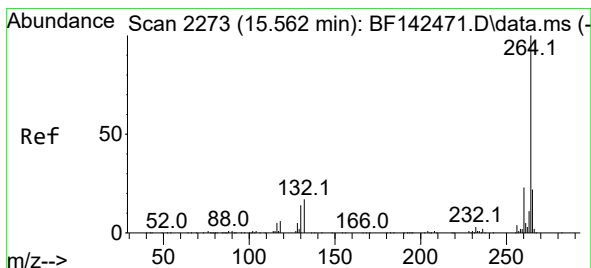
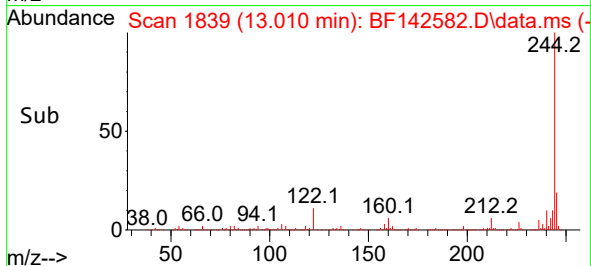
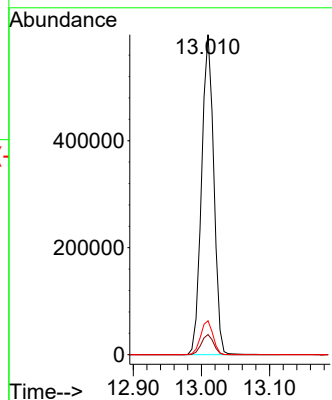


#79
Terphenyl-d14
Concen: 43.875 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Instrument :
BNA_F
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TP-53



Tgt Ion:244 Resp: 744692
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 10.6 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:264 Resp: 262922
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 21.1 17.7 26.5

