

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142643.D
 Acq On : 06 Jun 2025 13:24
 Operator : RC/JU
 Sample : Q2207-37
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-05

Quant Time: Jun 06 13:46:47 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	6.892	152	98109	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	362453	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	172157	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	250790	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	196926	20.000	ng	0.00
86) Perylene-d12	15.562	264	252548	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	477488	81.996	ng	0.00
7) Phenol-d6	6.516	99	657896	93.852	ng	-0.02
23) Nitrobenzene-d5	7.451	82	299349	45.035	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	169367	88.640	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	558167	43.506	ng	-0.02
79) Terphenyl-d14	13.010	244	599213	41.582	ng	0.00

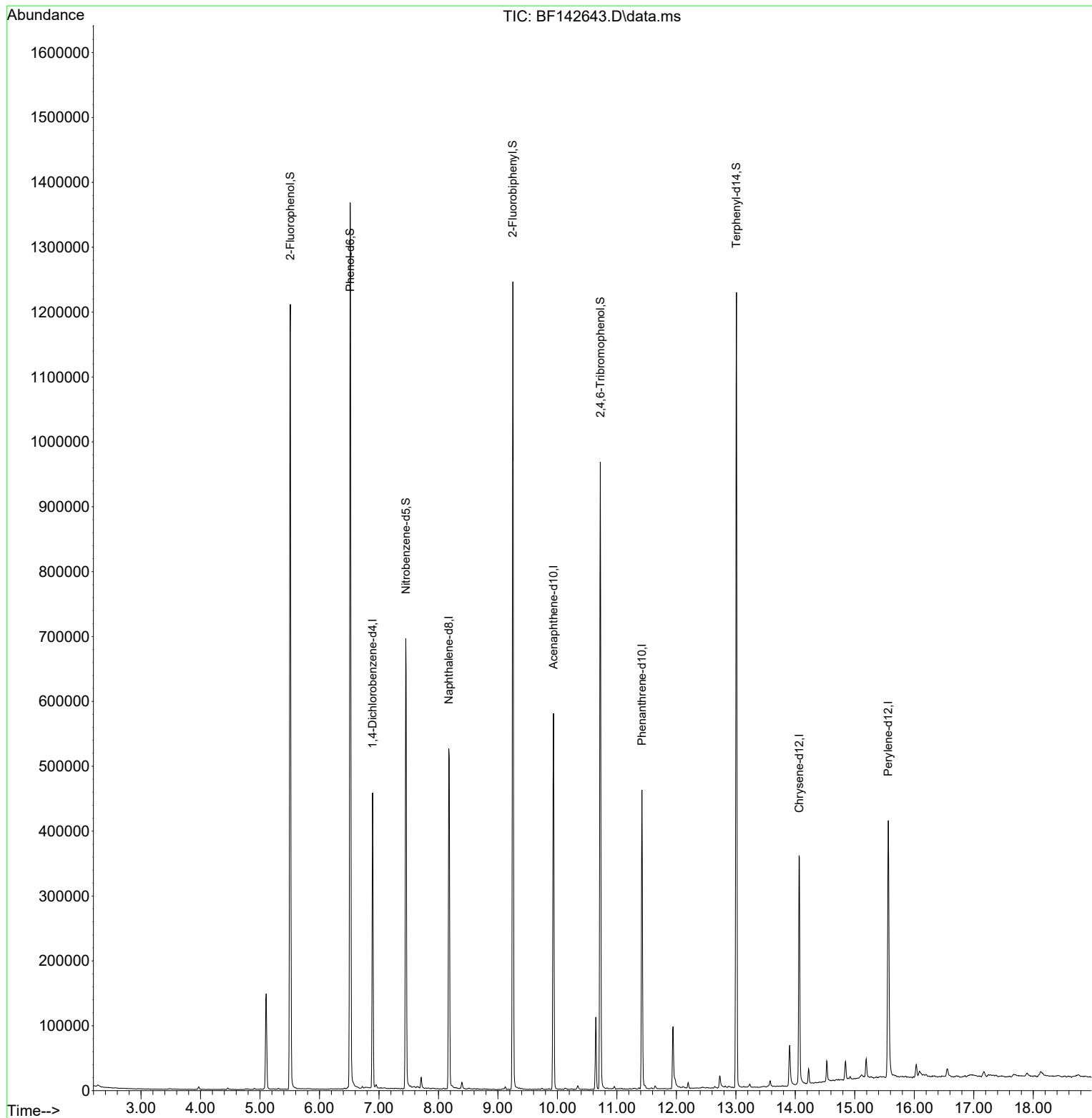
Target Compounds	Qvalue

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

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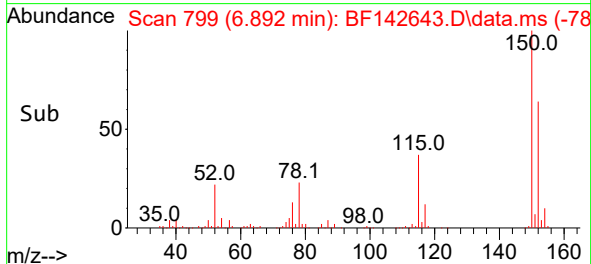
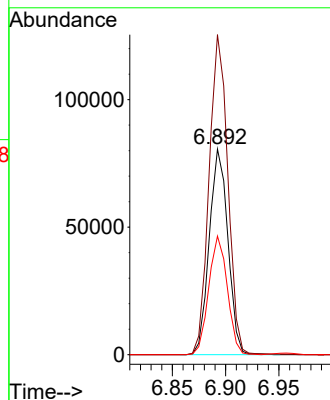
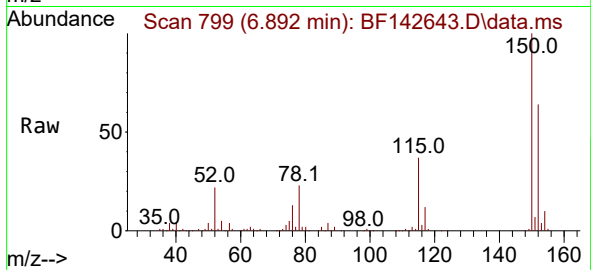




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

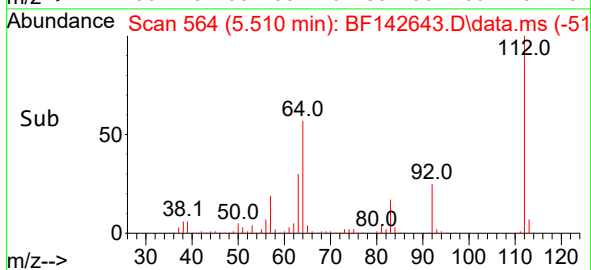
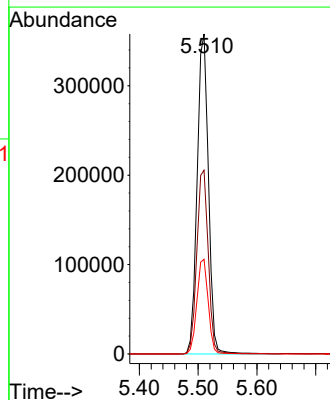
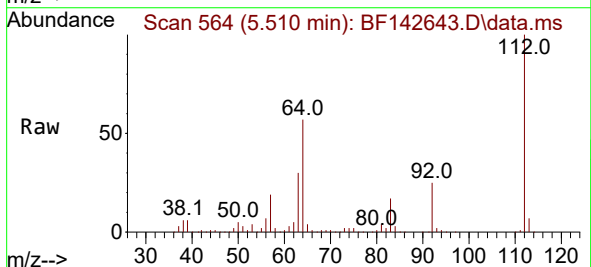
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-05

Tgt Ion:152 Resp: 98109
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.7 48.3 72.5



#5
2-Fluorophenol
Concen: 81.996 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

Tgt Ion:112 Resp: 477488
Ion Ratio Lower Upper
112 100
64 57.4 47.5 71.3
63 29.6 24.9 37.3

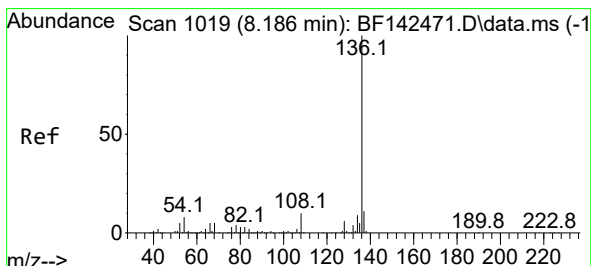
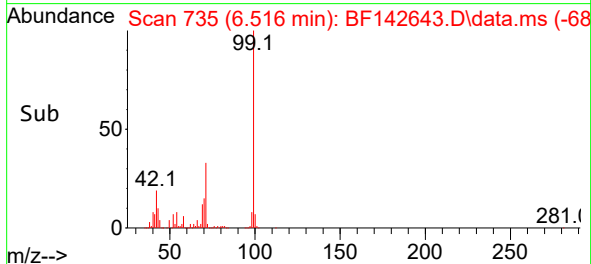
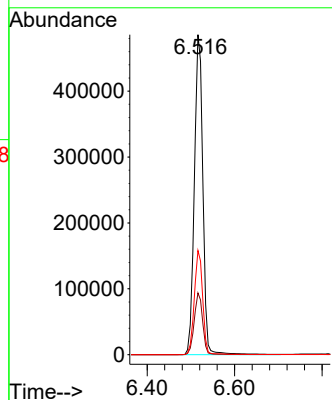
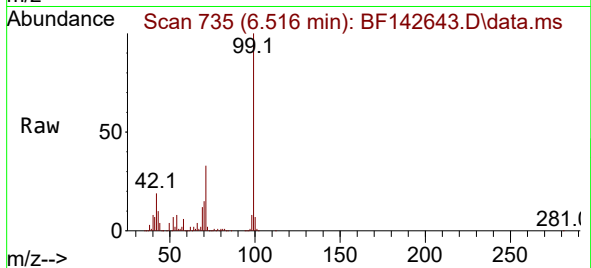




#7
Phenol-d6
Concen: 93.852 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

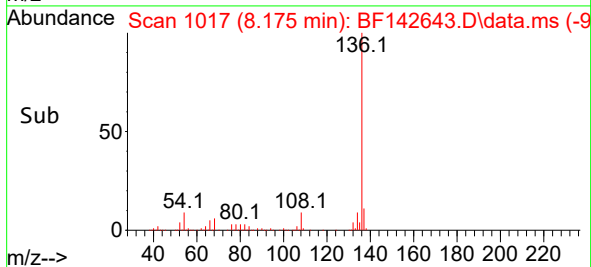
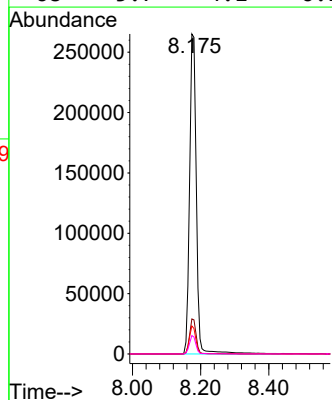
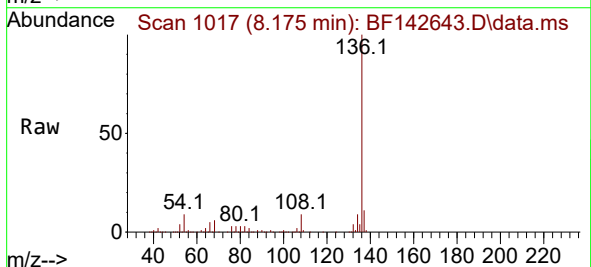
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-05

Tgt Ion: 99 Resp: 657896
Ion Ratio Lower Upper
99 100
42 19.3 16.2 24.2
71 32.5 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

Tgt Ion: 136 Resp: 362453
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 6.6 10.0
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 45.035 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.024 min

Lab File: BF142643.D

Acq: 06 Jun 2025 13:24

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-05

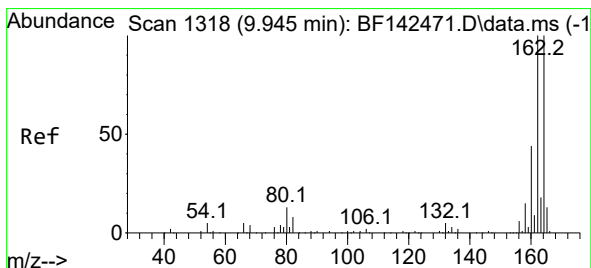
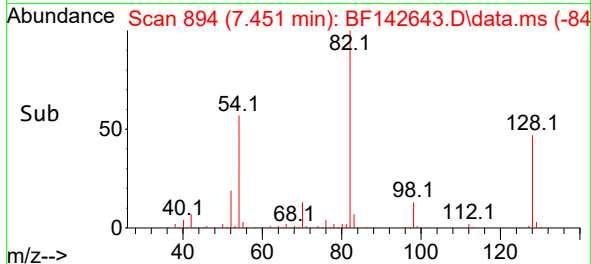
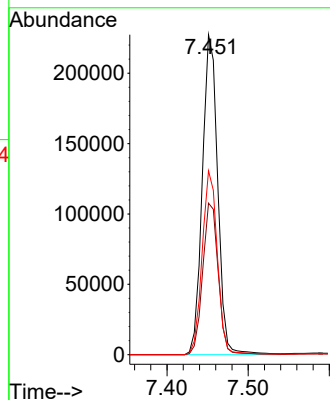
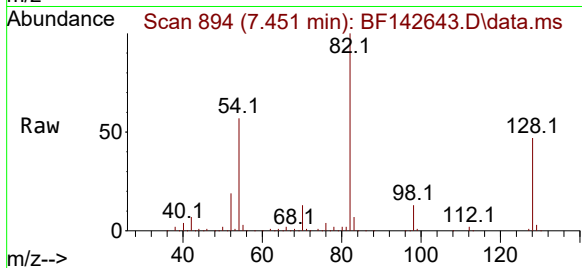
Tgt Ion: 82 Resp: 299349

Ion Ratio Lower Upper

82 100

128 47.4 37.4 56.2

54 57.4 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: BF142643.D

Acq: 06 Jun 2025 13:24

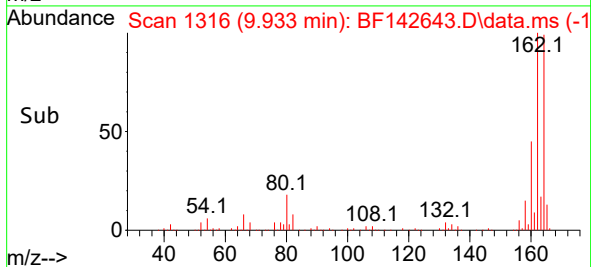
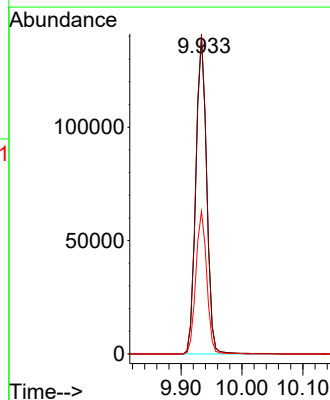
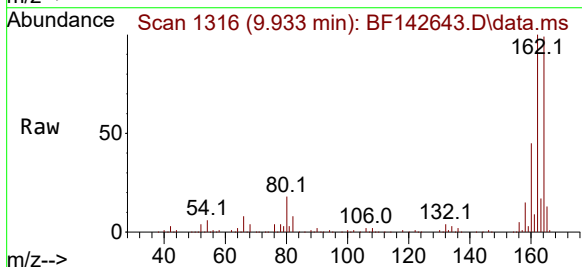
Tgt Ion:164 Resp: 172157

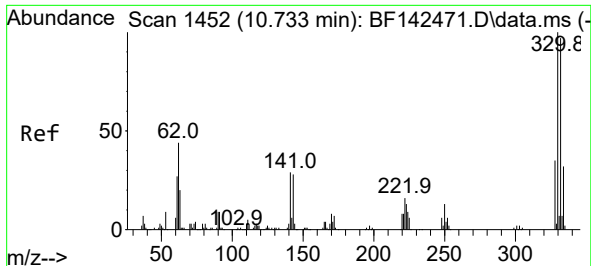
Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.4

160 45.2 35.6 53.4

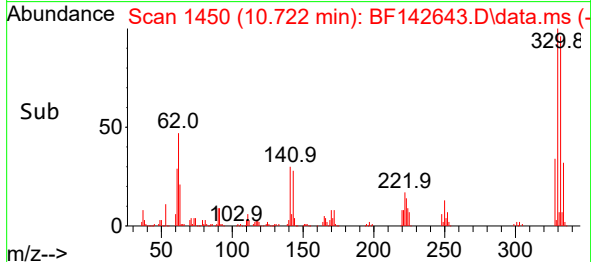
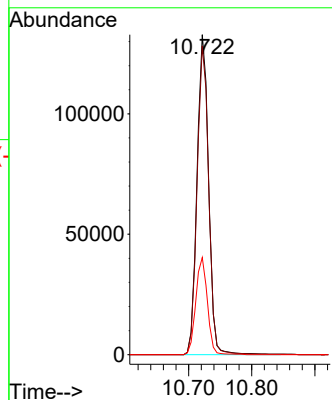
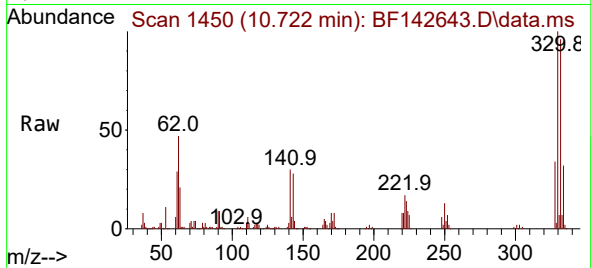




#42
 2,4,6-Tribromophenol
 Concen: 88.640 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.018 min
 Lab File: BF142643.D
 Acq: 06 Jun 2025 13:24

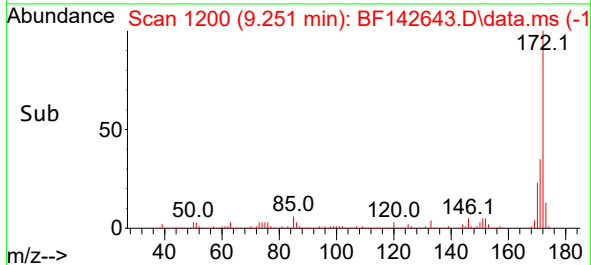
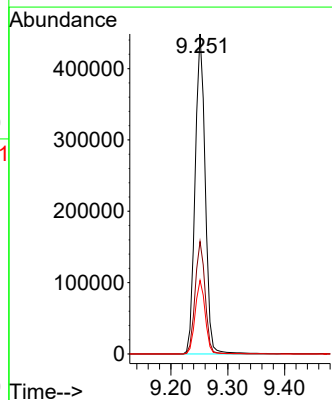
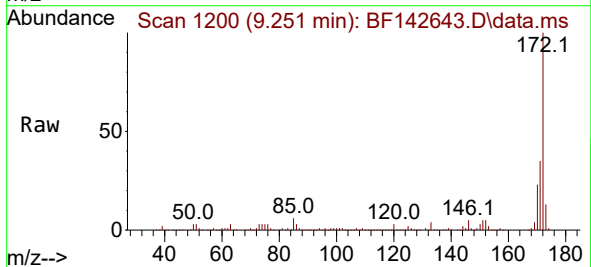
Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-05

Tgt Ion: 330 Resp: 169367
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.6 116.4
 141 30.3 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 43.506 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142643.D
 Acq: 06 Jun 2025 13:24

Tgt Ion: 172 Resp: 558167
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 42.8
 170 23.0 18.9 28.3

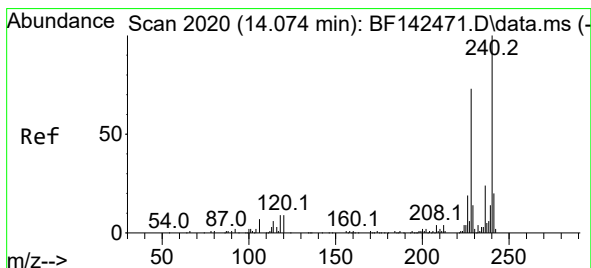
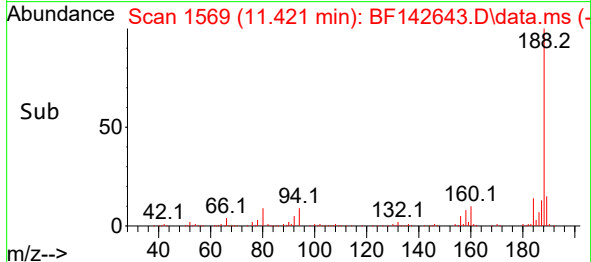
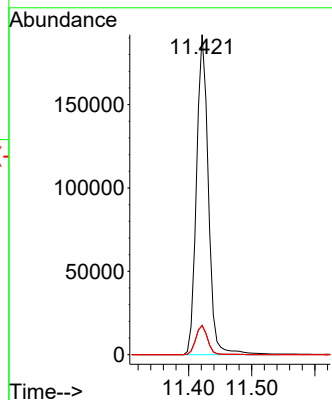
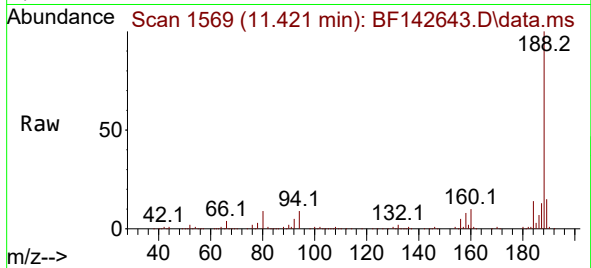




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

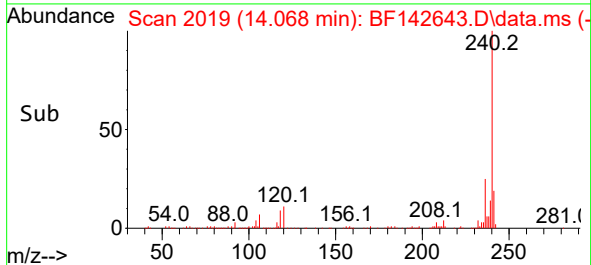
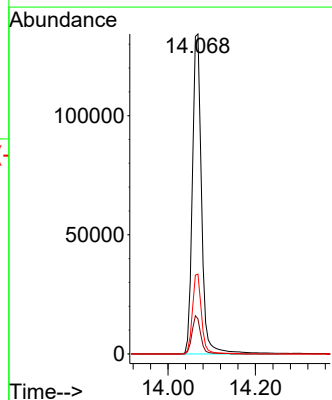
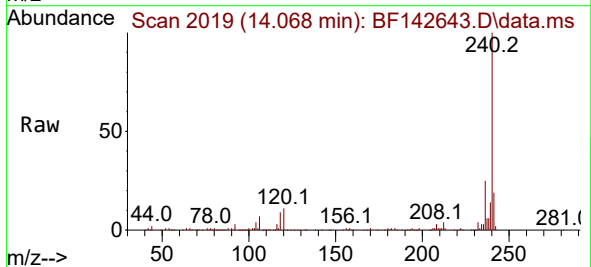
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-05

Tgt Ion:188 Resp: 250790
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.1 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

Tgt Ion:240 Resp: 196926
Ion Ratio Lower Upper
240 100
120 11.0 7.5 11.3
236 25.0 19.6 29.4

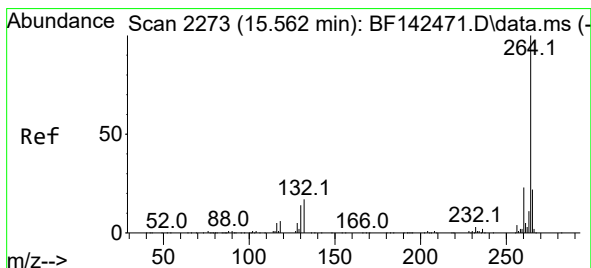
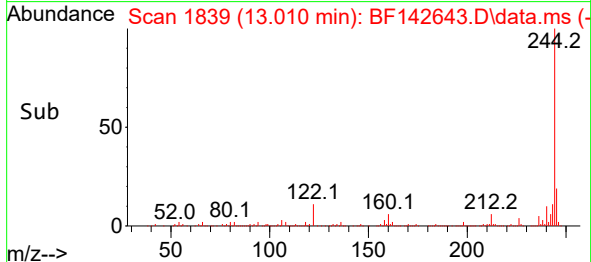
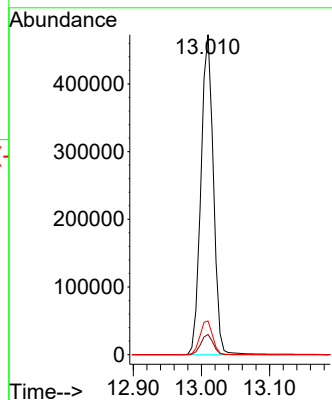
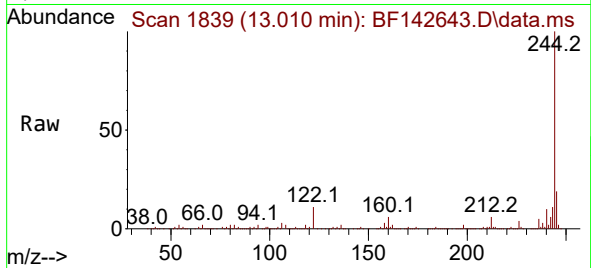




#79
 Terphenyl-d14
 Concen: 41.582 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142643.D
 Acq: 06 Jun 2025 13:24

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-05

Tgt Ion:244 Resp: 599213
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.5 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: BF142643.D
 Acq: 06 Jun 2025 13:24

Tgt Ion:264 Resp: 252548
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 28.0
 265 21.6 17.7 26.5

