

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142082.D
 Acq On : 25 Mar 2025 17:10
 Operator : RC/JU
 Sample : Q1619-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Mar 25 17:37:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	148741	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	578191	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	324578	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	562209	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	307458	20.000	ng	0.00
86) Perylene-d12	15.510	264	247620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1304980	146.426	ng	0.02
7) Phenol-d6	6.504	99	1569873	138.349	ng	0.00
23) Nitrobenzene-d5	7.434	82	1086078	105.709	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	759302	184.400	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2261526	105.964	ng	-0.01
79) Terphenyl-d14	12.980	244	2792537	134.283	ng	0.00

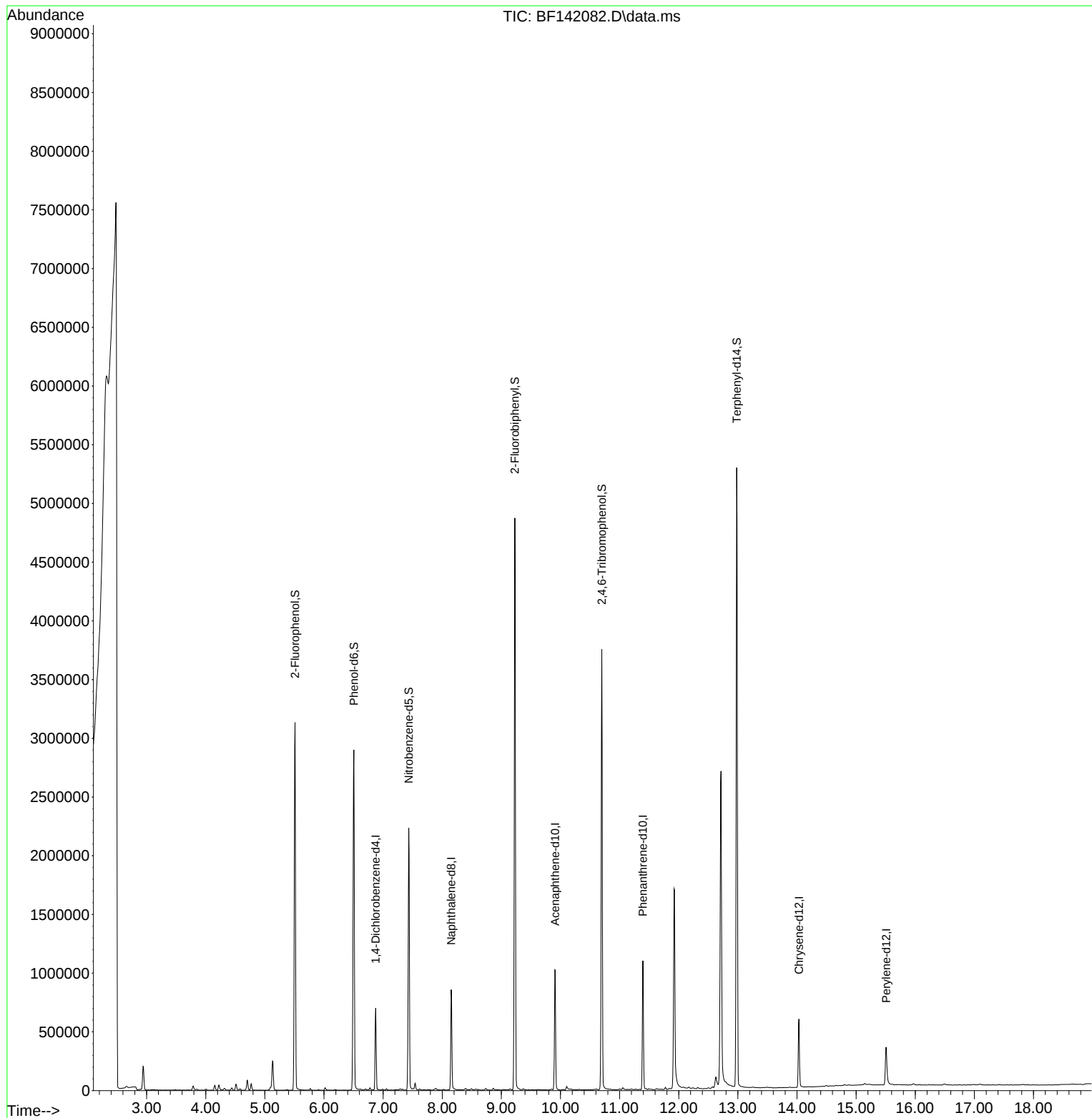
Target Compounds	Qvalue

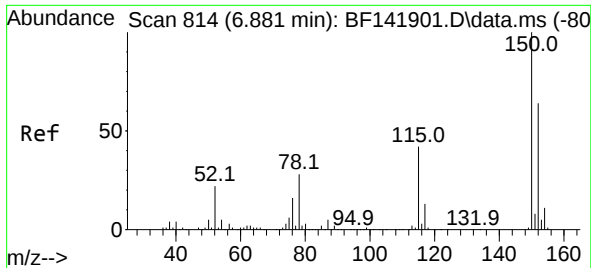
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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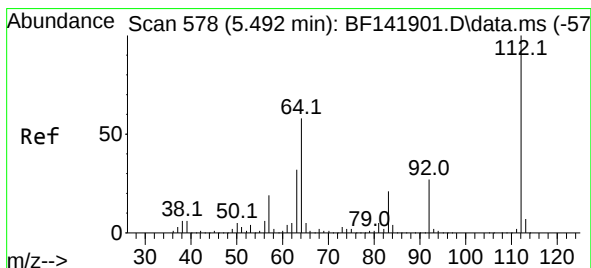
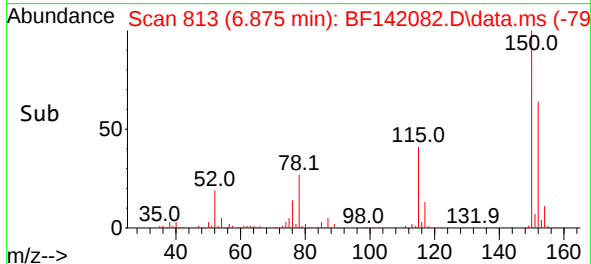
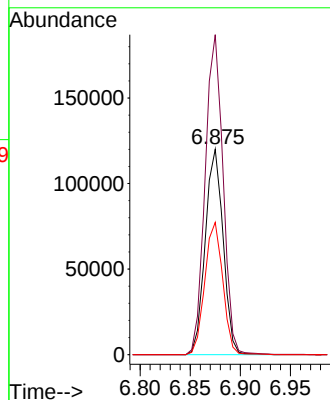
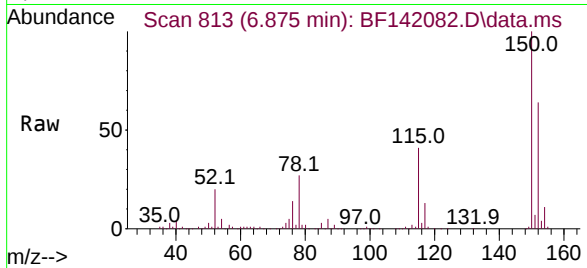




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

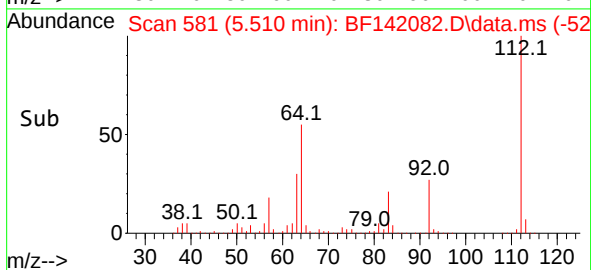
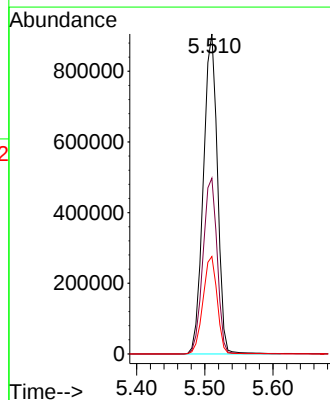
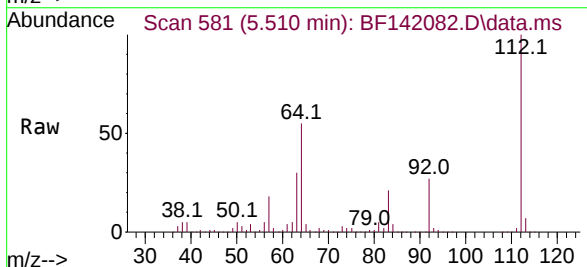
Instrument :
BNA_F
ClientSampleId :
TP-5

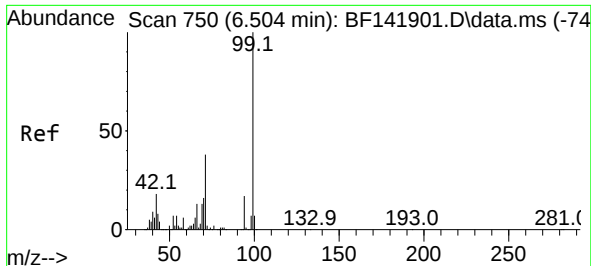
Tgt Ion:152 Resp: 148741
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 64.4 51.9 77.9



#5
2-Fluorophenol
Concen: 146.426 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

Tgt Ion:112 Resp: 1304980
Ion Ratio Lower Upper
112 100
64 54.9 46.5 69.7
63 30.4 25.4 38.2



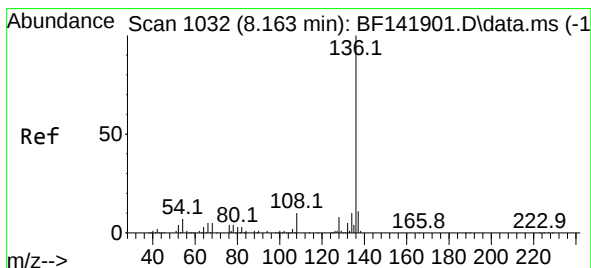
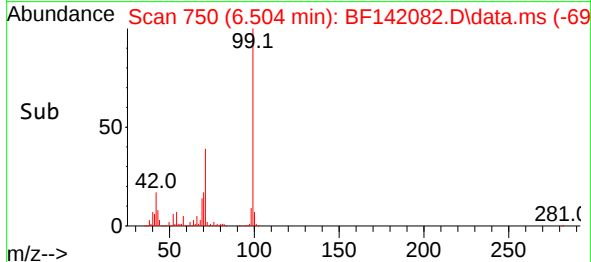
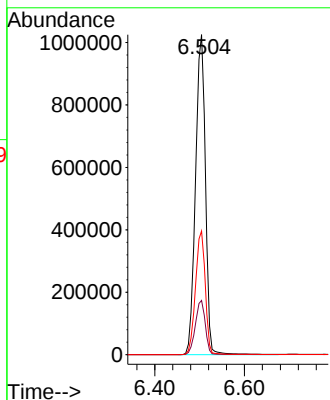
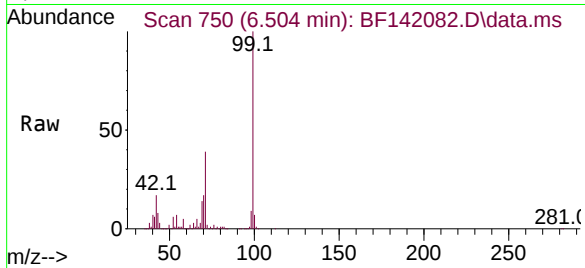


#7
Phenol-d6
Concen: 138.349 ng
RT: 6.504 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 1569873

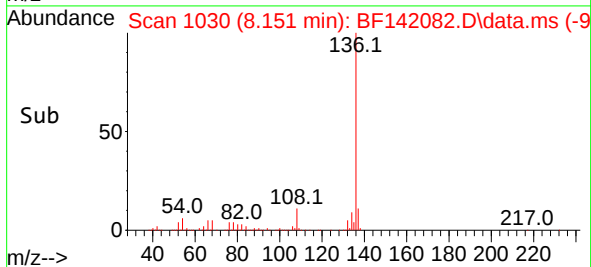
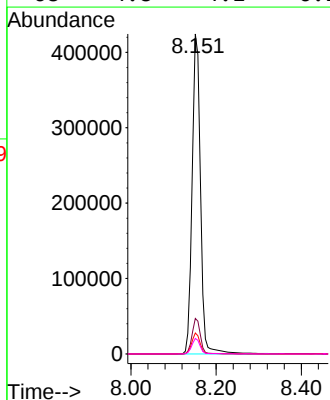
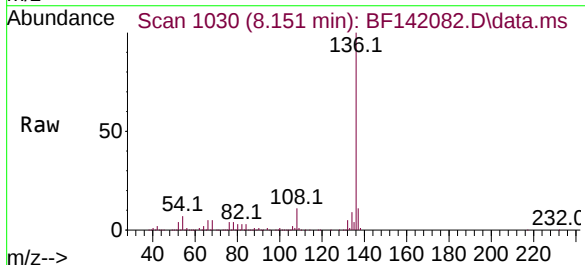
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	38.7	30.8	46.2

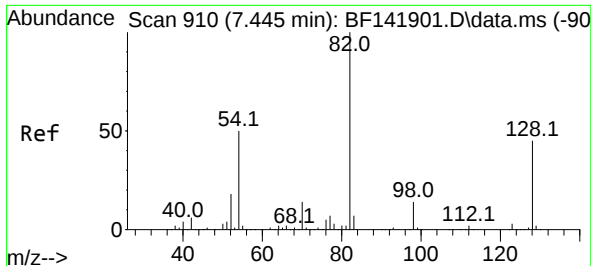


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

Tgt Ion: 136 Resp: 578191

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.5	5.8	8.8
68	4.8	4.1	6.1

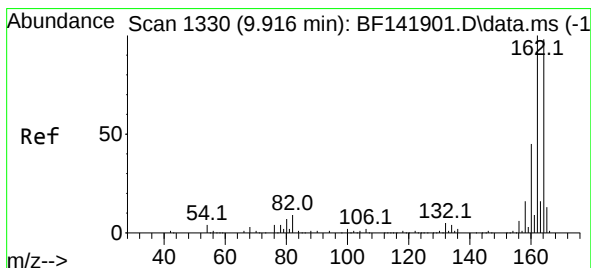
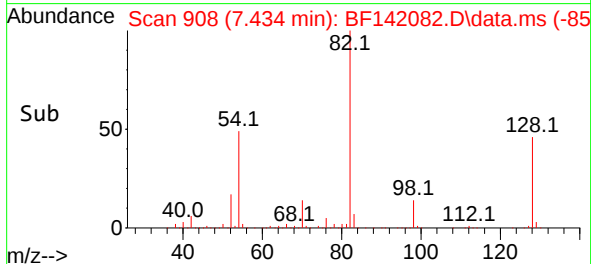
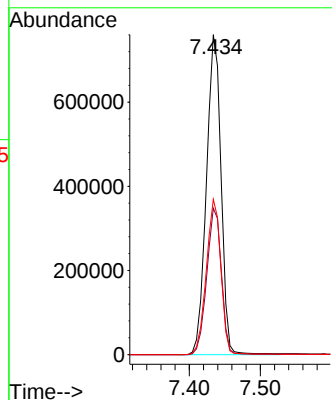
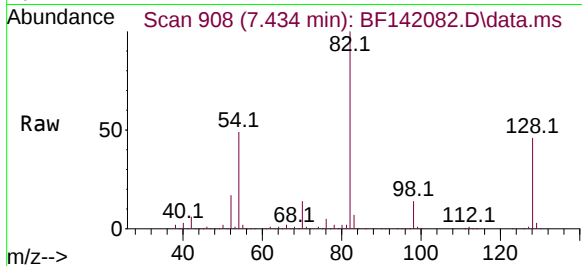




#23
 Nitrobenzene-d5
 Concen: 105.709 ng
 RT: 7.434 min Scan# 90
 Delta R.T. -0.012 min
 Lab File: BF142082.D
 Acq: 25 Mar 2025 17:10

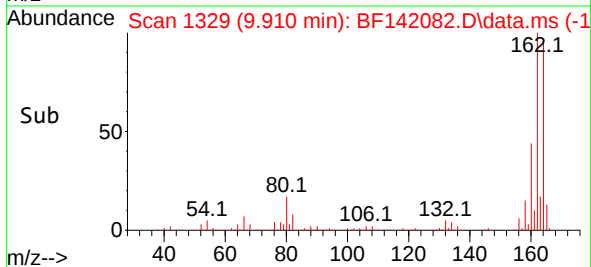
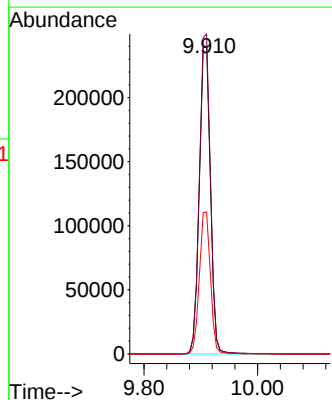
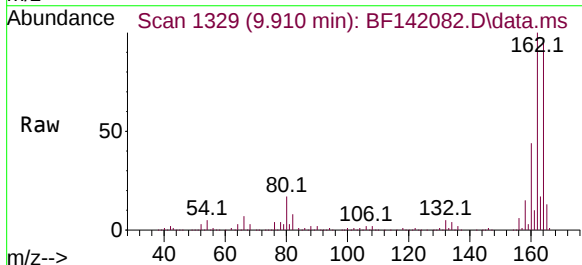
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

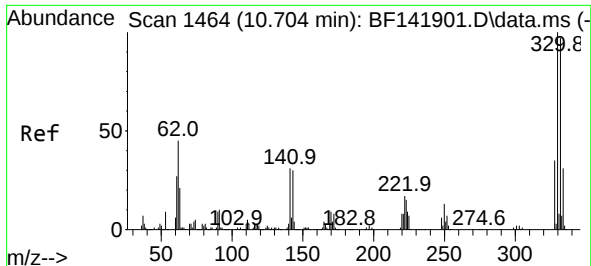
Tgt Ion: 82 Resp: 1086078
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.0 54.0
 54 48.5 39.6 59.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.910 min Scan# 1329
 Delta R.T. -0.006 min
 Lab File: BF142082.D
 Acq: 25 Mar 2025 17:10

Tgt Ion:164 Resp: 324578
 Ion Ratio Lower Upper
 164 100
 162 103.9 81.8 122.6
 160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 184.400 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142082.D

Acq: 25 Mar 2025 17:10

Instrument :

BNA_F

ClientSampleId :

TP-5

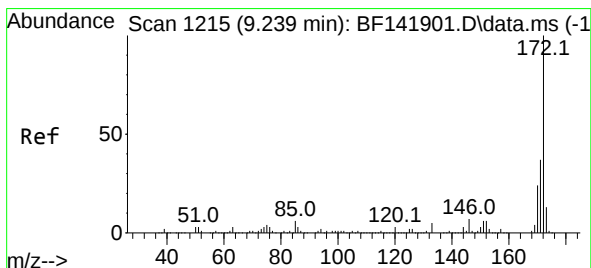
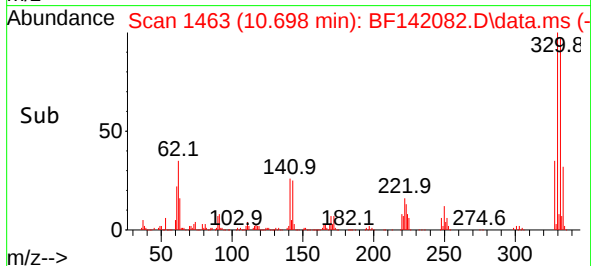
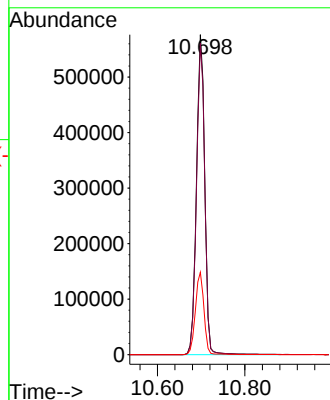
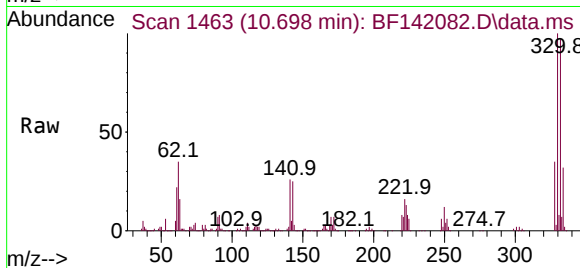
Tgt Ion:330 Resp: 759302

Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

141 26.7 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 105.964 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142082.D

Acq: 25 Mar 2025 17:10

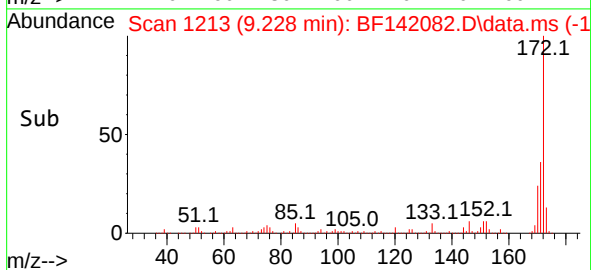
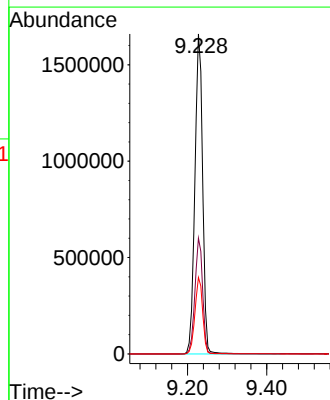
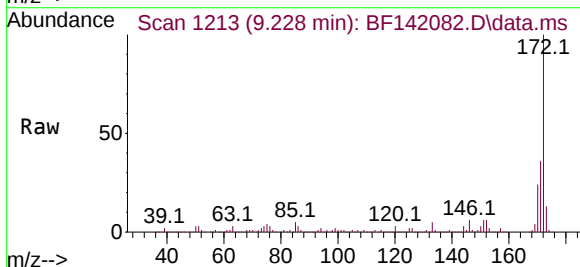
Tgt Ion:172 Resp: 2261526

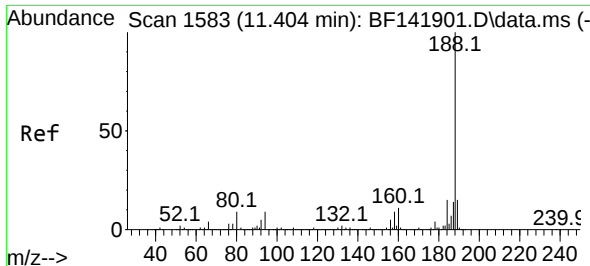
Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 23.9 19.4 29.0

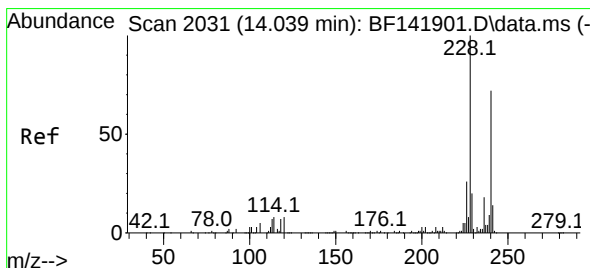
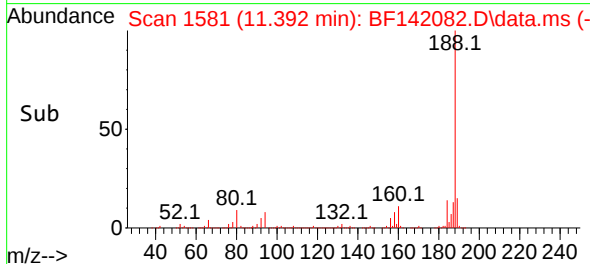
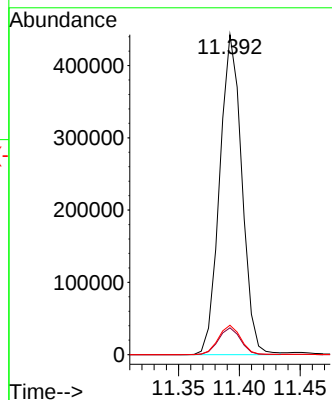
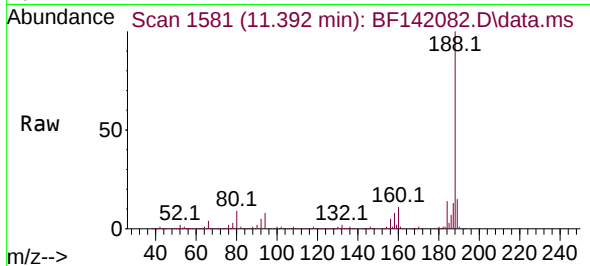




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

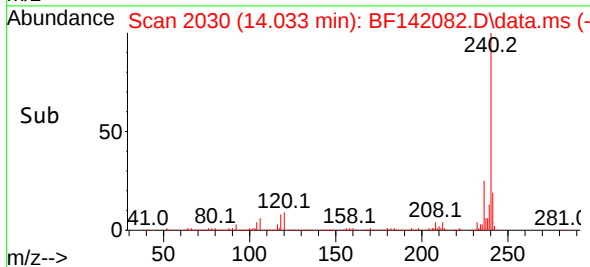
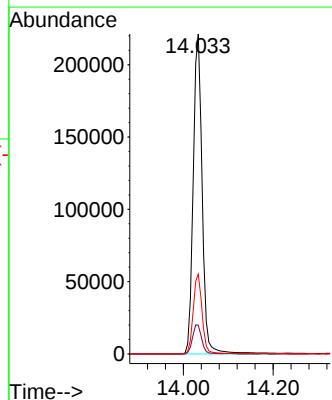
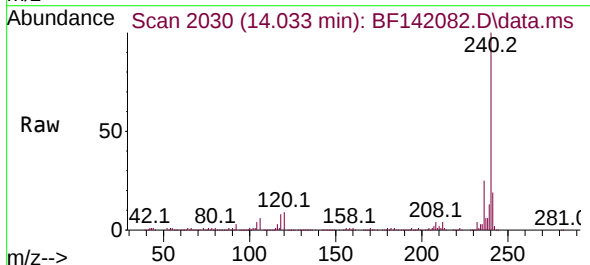
Instrument :
BNA_F
ClientSampleId :
TP-5

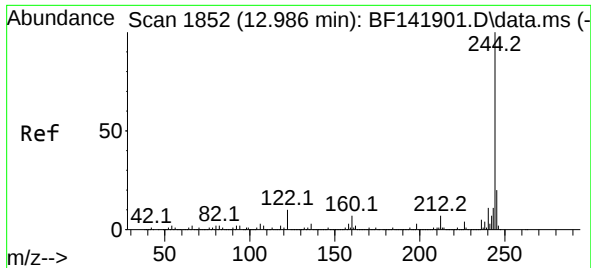
Tgt Ion:188 Resp: 562209
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.2 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

Tgt Ion:240 Resp: 307458
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 24.9 20.5 30.7

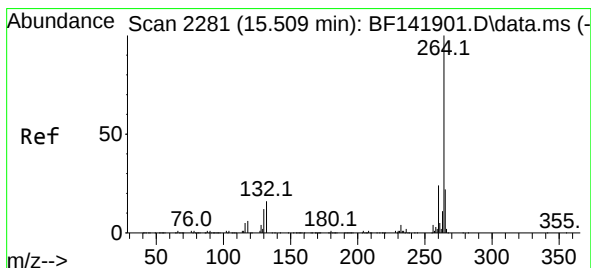
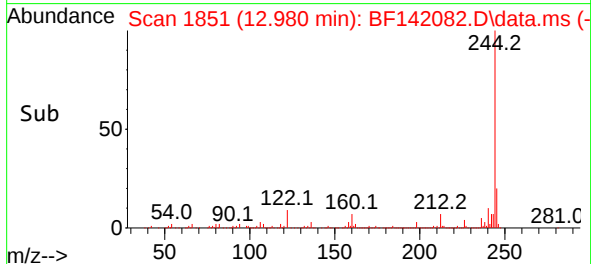
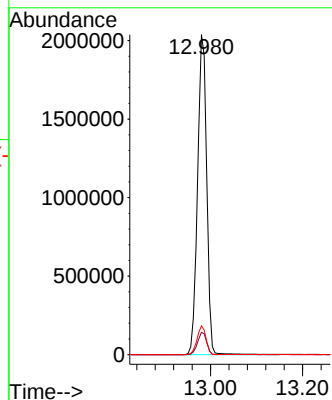
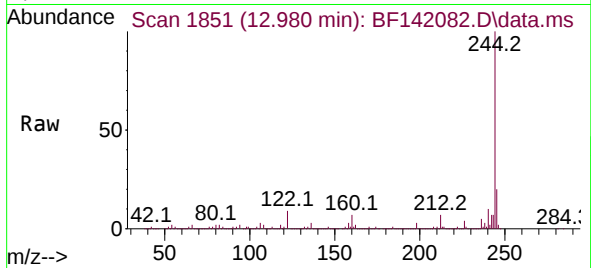




#79
 Terphenyl-d14
 Concen: 134.283 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF142082.D
 Acq: 25 Mar 2025 17:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:244 Resp: 2792537
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.0 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142082.D
 Acq: 25 Mar 2025 17:10

Tgt Ion:264 Resp: 247620
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 21.5 17.5 26.3

