

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143436.D
 Acq On : 18 Aug 2025 12:39
 Operator : RC/JU
 Sample : Q2837-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-13

Quant Time: Aug 18 13:09:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

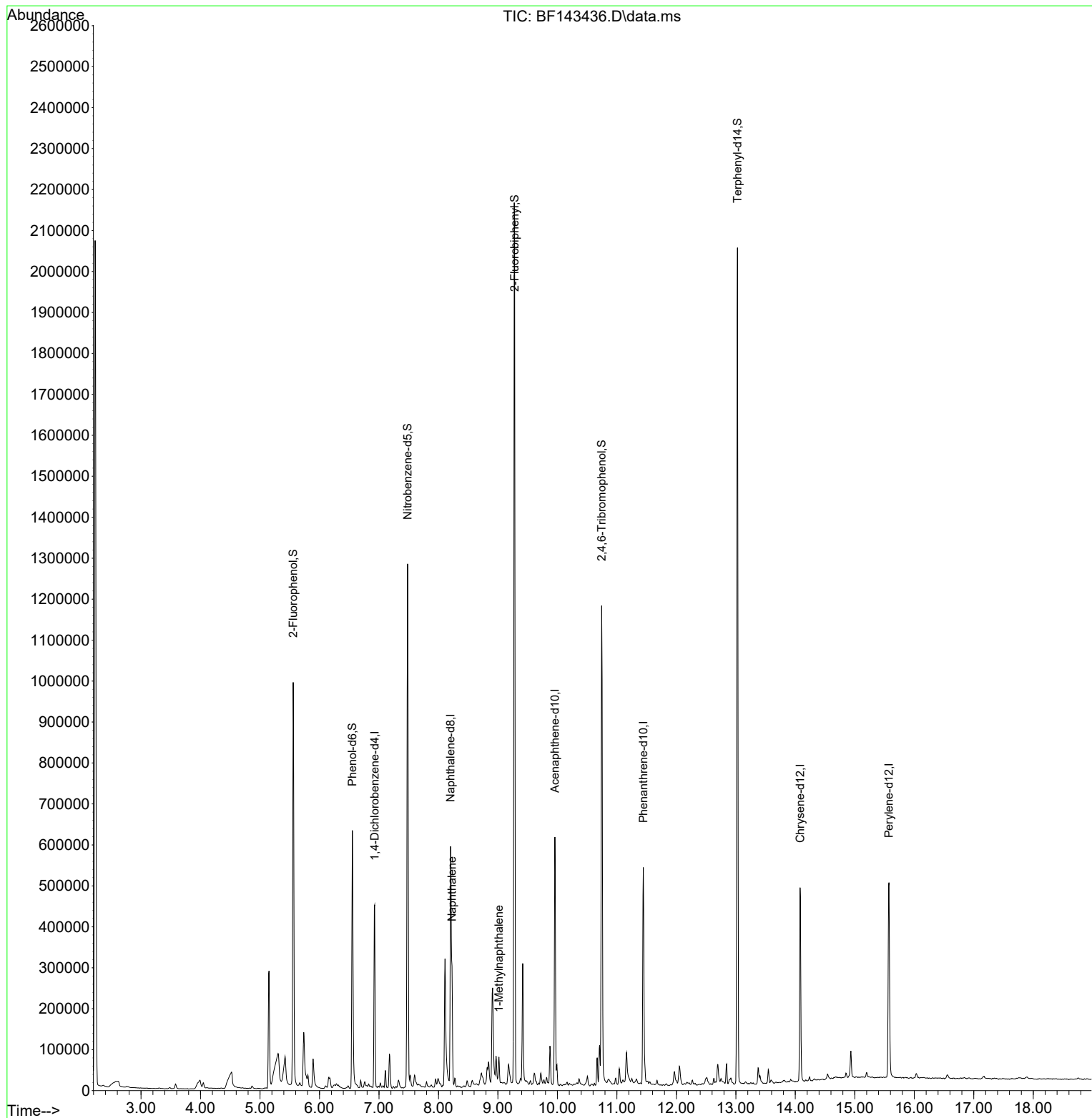
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	96582	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	347528	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	176727	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	263021	20.000	ng	0.00
76) Chrysene-d12	14.080	240	240460	20.000	ng	0.00
86) Perylene-d12	15.574	264	295102	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	365560	65.795	ng	0.00
7) Phenol-d6	6.551	99	283756	40.526	ng	0.00
23) Nitrobenzene-d5	7.481	82	546788	93.362	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	199509	126.833	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	958860	91.259	ng	0.00
79) Terphenyl-d14	13.027	244	1001199	69.944	ng	0.00
Target Compounds						
31) Naphthalene	8.228	128	146711	8.892	ng	99
38) 1-Methylnaphthalene	9.016	142	22588	2.120	ng	98

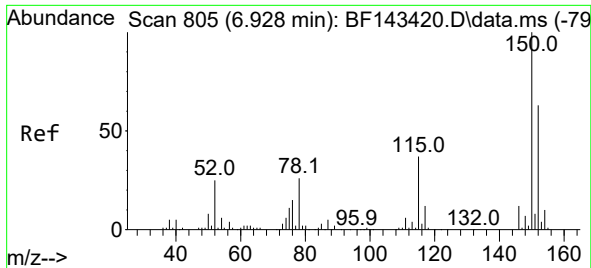
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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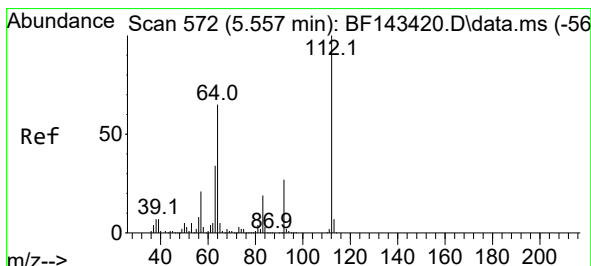
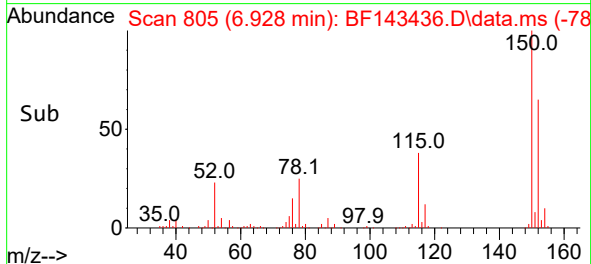
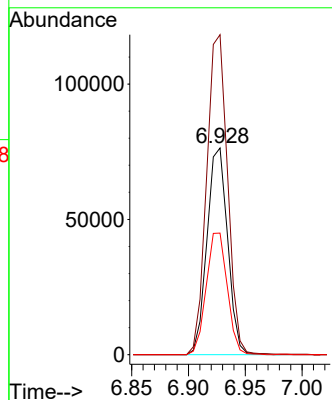
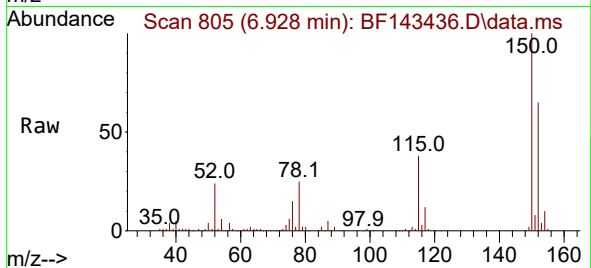




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143436.D
 Acq: 18 Aug 2025 12:39

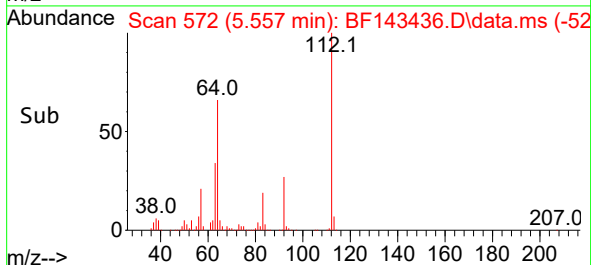
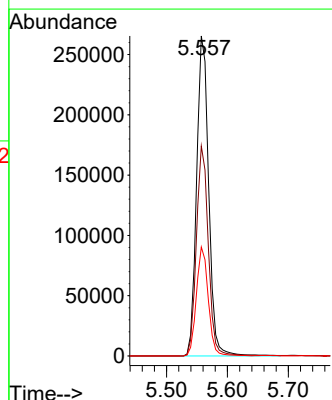
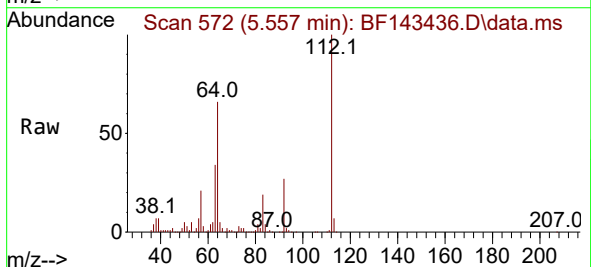
Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-13

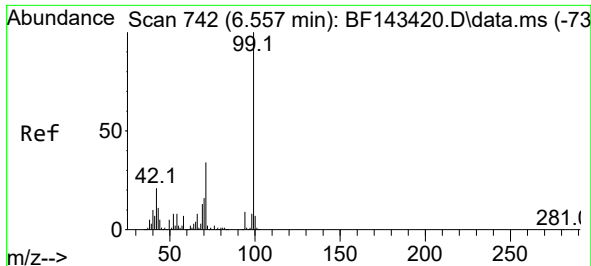
Tgt Ion:152 Resp: 96582
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.4 191.2
 115 58.8 47.5 71.3



#5
 2-Fluorophenol
 Concen: 65.795 ng
 RT: 5.557 min Scan# 572
 Delta R.T. -0.000 min
 Lab File: BF143436.D
 Acq: 18 Aug 2025 12:39

Tgt Ion:112 Resp: 365560
 Ion Ratio Lower Upper
 112 100
 64 65.6 52.2 78.2
 63 34.1 27.0 40.6

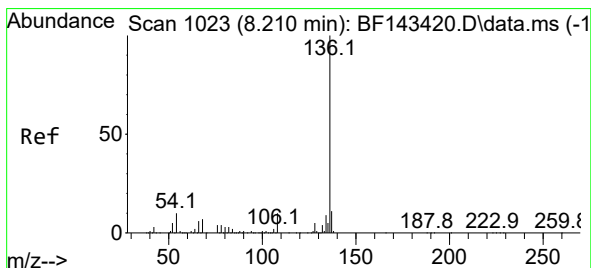
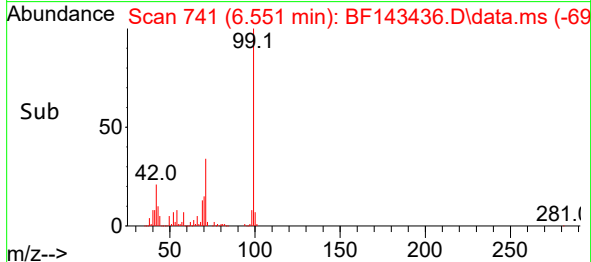
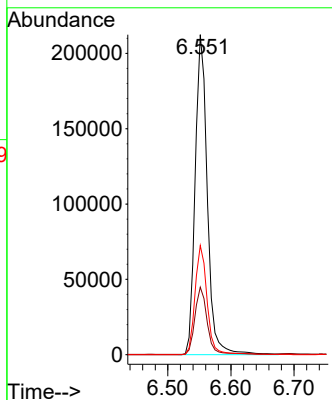
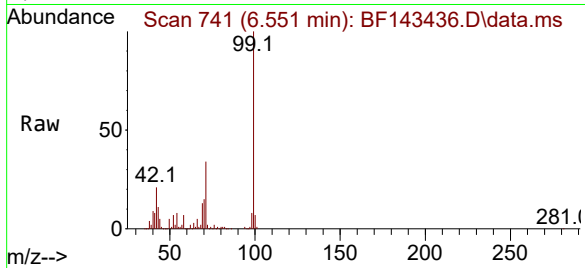




#7
Phenol-d6
Concen: 40.526 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143436.D
Acq: 18 Aug 2025 12:39

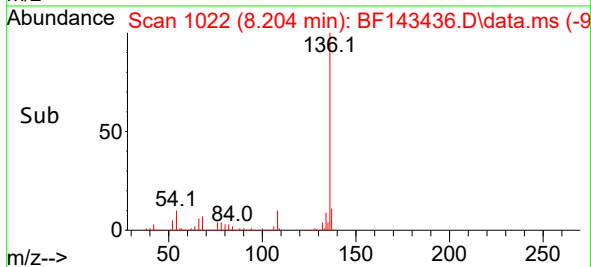
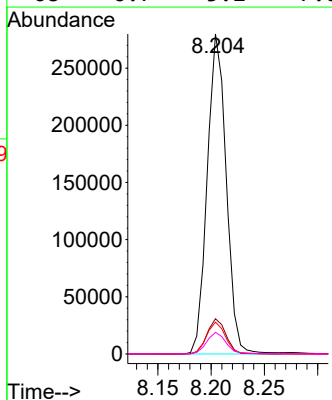
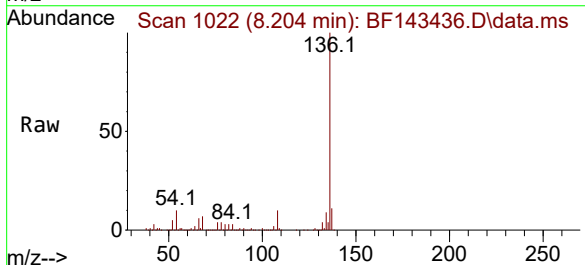
Instrument :
BNA_F
ClientSampleId :
TW-WTS-13

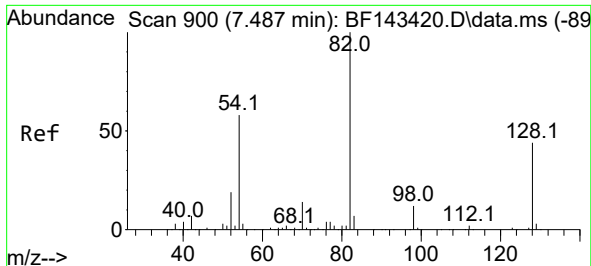
Tgt Ion: 99 Resp: 283756
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.1 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143436.D
Acq: 18 Aug 2025 12:39

Tgt Ion: 136 Resp: 347528
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.9 7.8 11.8
68 6.7 5.2 7.8





#23

Nitrobenzene-d5

Concen: 93.362 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143436.D

Acq: 18 Aug 2025 12:39

Instrument :

BNA_F

ClientSampleId :

TW-WTS-13

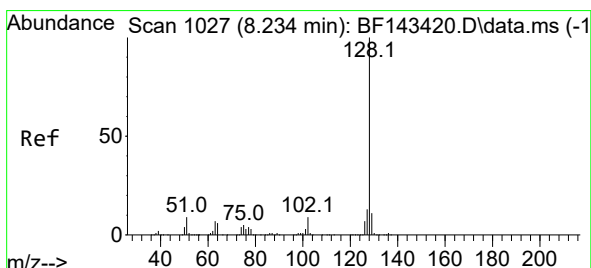
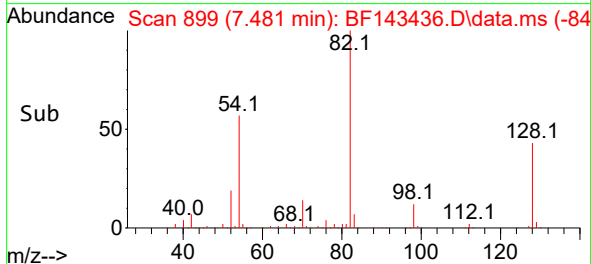
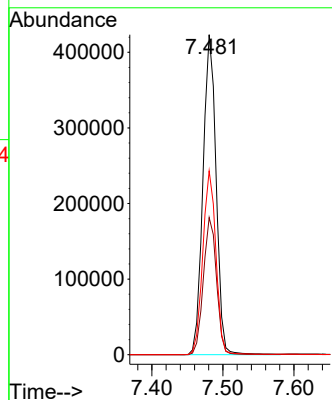
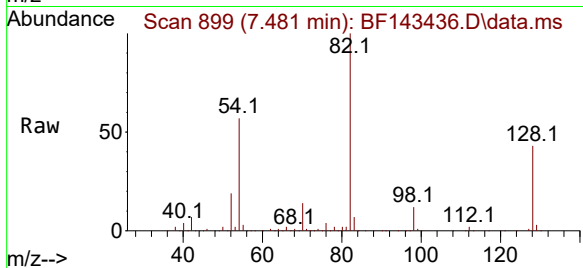
Tgt Ion: 82 Resp: 546788

Ion Ratio Lower Upper

82 100

128 42.8 34.6 52.0

54 57.5 46.0 69.0



#31

Naphthalene

Concen: 8.892 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143436.D

Acq: 18 Aug 2025 12:39

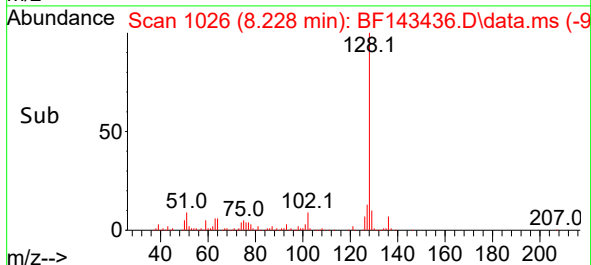
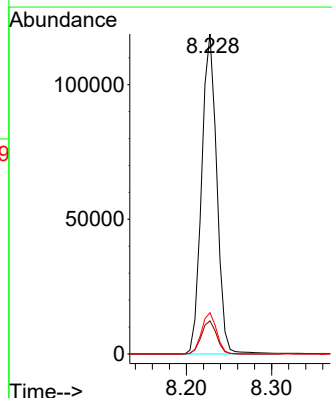
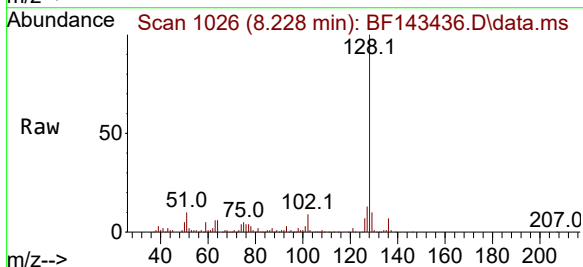
Tgt Ion:128 Resp: 146711

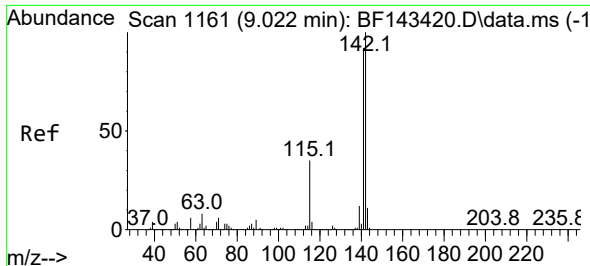
Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

127 12.9 10.6 16.0





#38

1-Methylnaphthalene

Concen: 2.120 ng

RT: 9.016 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF143436.D

Acq: 18 Aug 2025 12:39

Instrument :

BNA_F

ClientSampleId :

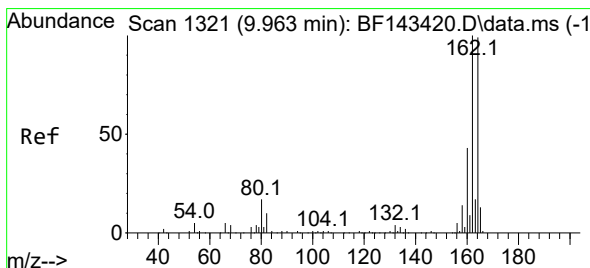
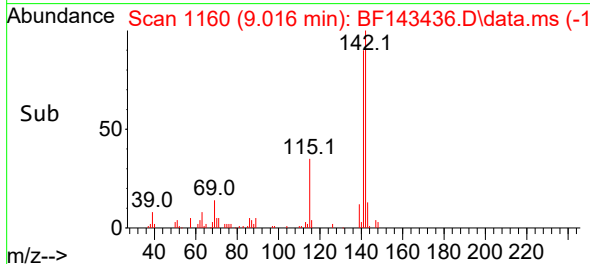
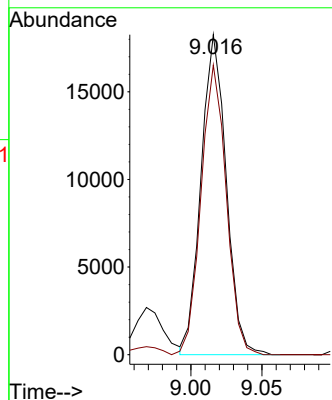
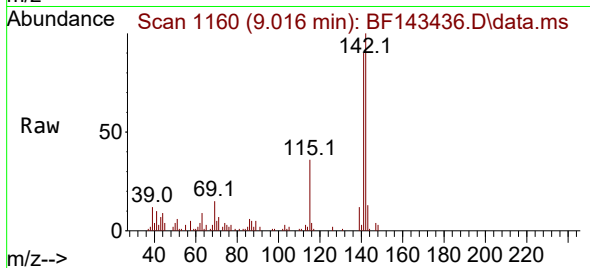
TW-WTS-13

Tgt Ion:142 Resp: 22588

Ion Ratio Lower Upper

142 100

141 90.5 73.8 110.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF143436.D

Acq: 18 Aug 2025 12:39

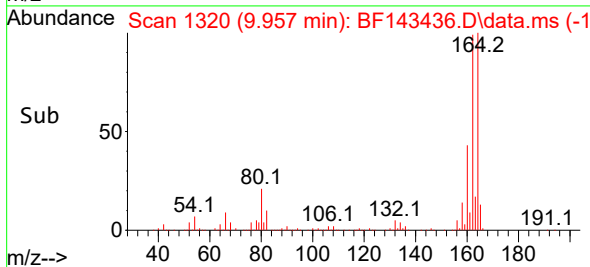
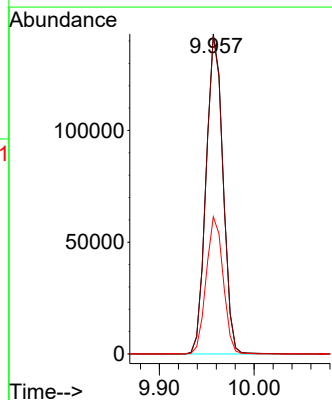
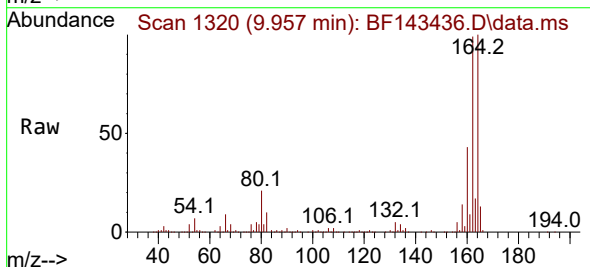
Tgt Ion:164 Resp: 176727

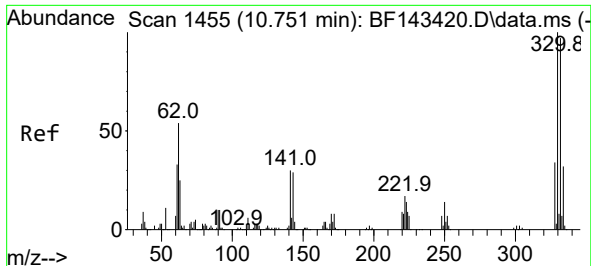
Ion Ratio Lower Upper

164 100

162 99.3 80.6 121.0

160 42.9 34.6 51.8

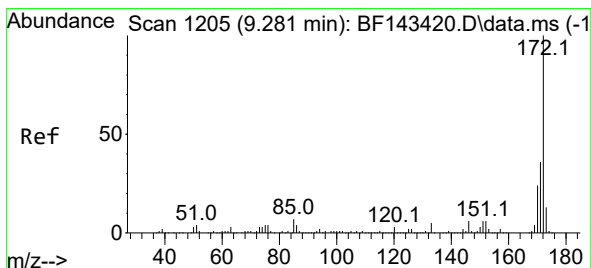
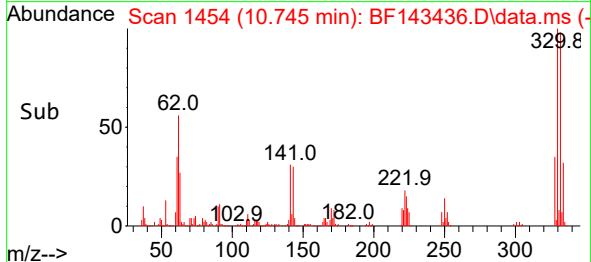
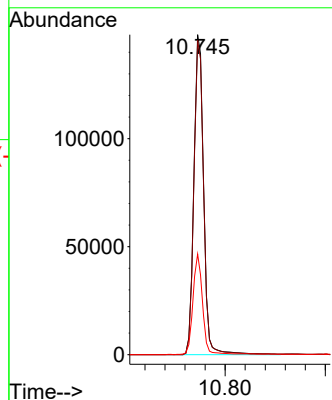
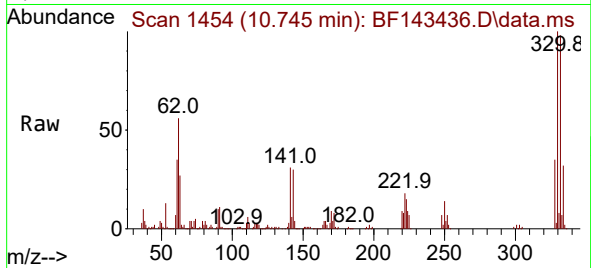




#42
2,4,6-Tribromophenol
Concen: 126.833 ng
RT: 10.745 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143436.D
Acq: 18 Aug 2025 12:39

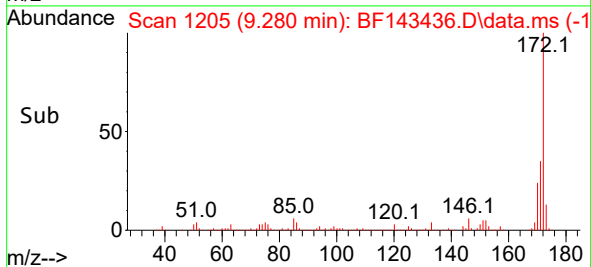
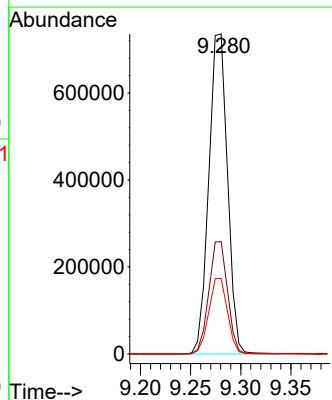
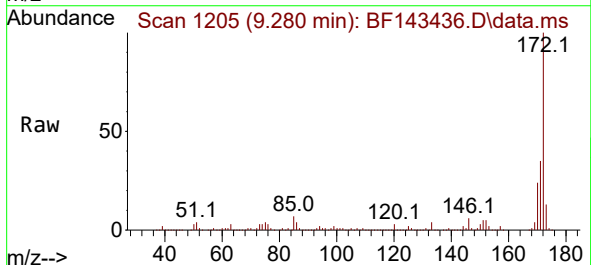
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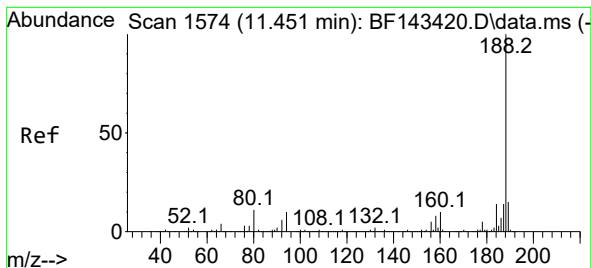
Tgt Ion:330 Resp: 199509
Ion Ratio Lower Upper
330 100
332 98.0 77.4 116.2
141 31.2 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 91.259 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143436.D
Acq: 18 Aug 2025 12:39

Tgt Ion:172 Resp: 958860
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143436.D

Acq: 18 Aug 2025 12:39

Instrument :

BNA_F

ClientSampleId :

TW-WTS-13

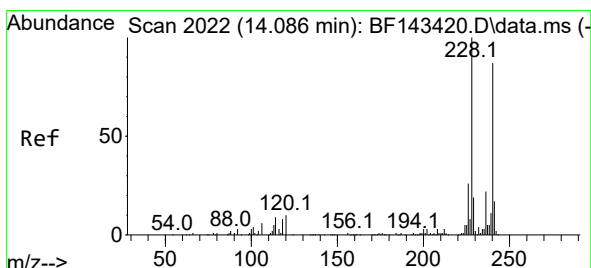
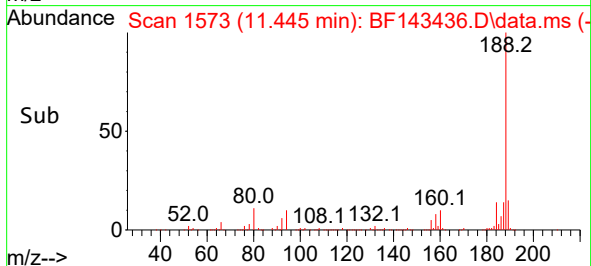
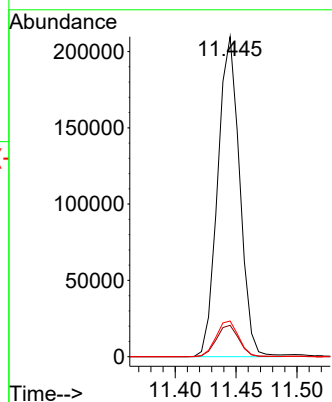
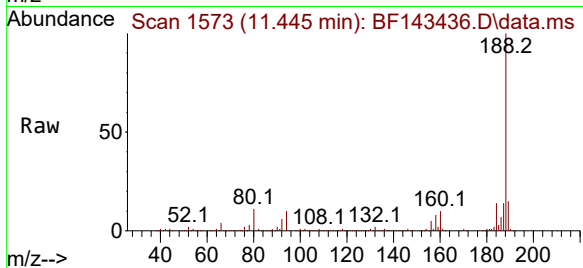
Tgt Ion:188 Resp: 263021

Ion Ratio Lower Upper

188 100

94 9.8 8.0 12.0

80 11.2 8.6 12.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF143436.D

Acq: 18 Aug 2025 12:39

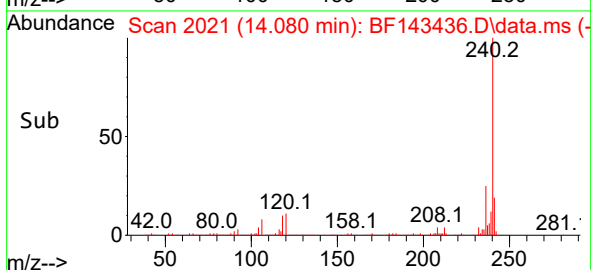
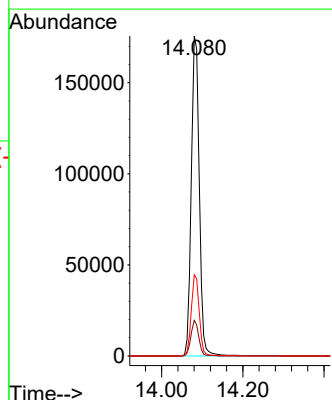
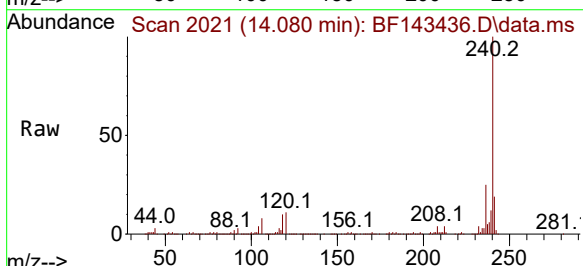
Tgt Ion:240 Resp: 240460

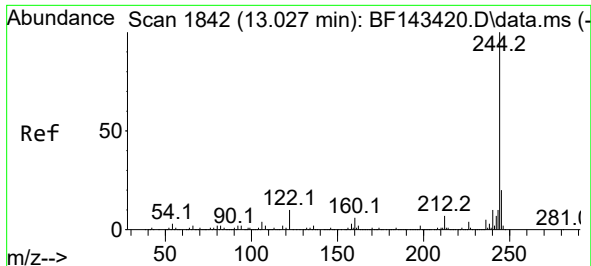
Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 25.4 20.2 30.2

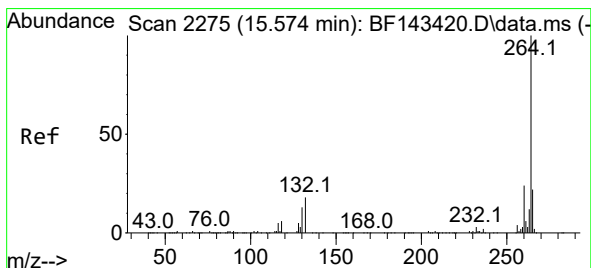
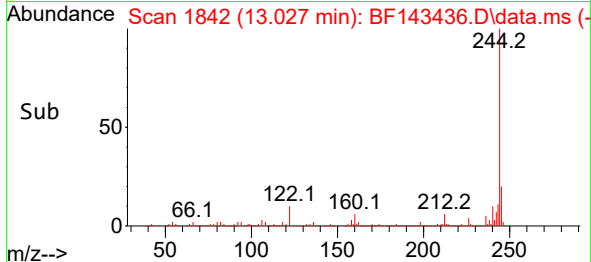
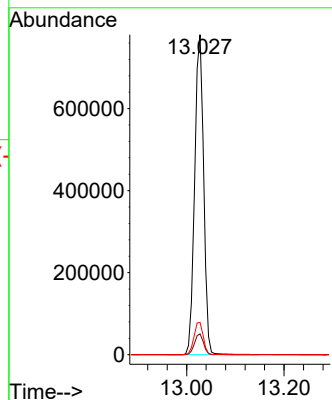
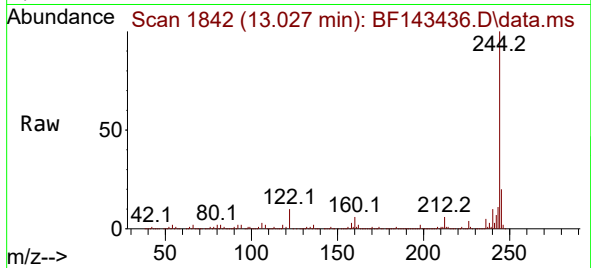




#79
 Terphenyl-d14
 Concen: 69.944 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143436.D
 Acq: 18 Aug 2025 12:39

Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-13

Tgt Ion:244 Resp: 1001199
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.1 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 2275
 Delta R.T. -0.000 min
 Lab File: BF143436.D
 Acq: 18 Aug 2025 12:39

Tgt Ion:264 Resp: 295102
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.8 28.2
 265 21.4 17.4 26.0

