

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143534.D
 Acq On : 21 Aug 2025 17:07
 Operator : RC/JU
 Sample : Q2814-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-82H-W

Quant Time: Aug 21 17:44:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	107966	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	407935	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	212822	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	291316	20.000	ng	0.00
76) Chrysene-d12	14.092	240	216372	20.000	ng	-0.01
86) Perylene-d12	15.592	264	248939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	533254	86.245	ng	0.00
7) Phenol-d6	6.557	99	560160	73.390	ng	-0.02
23) Nitrobenzene-d5	7.487	82	678648	97.080	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	275023	138.826	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1218284	94.606	ng	0.00
79) Terphenyl-d14	13.033	244	939051	75.734	ng	0.00

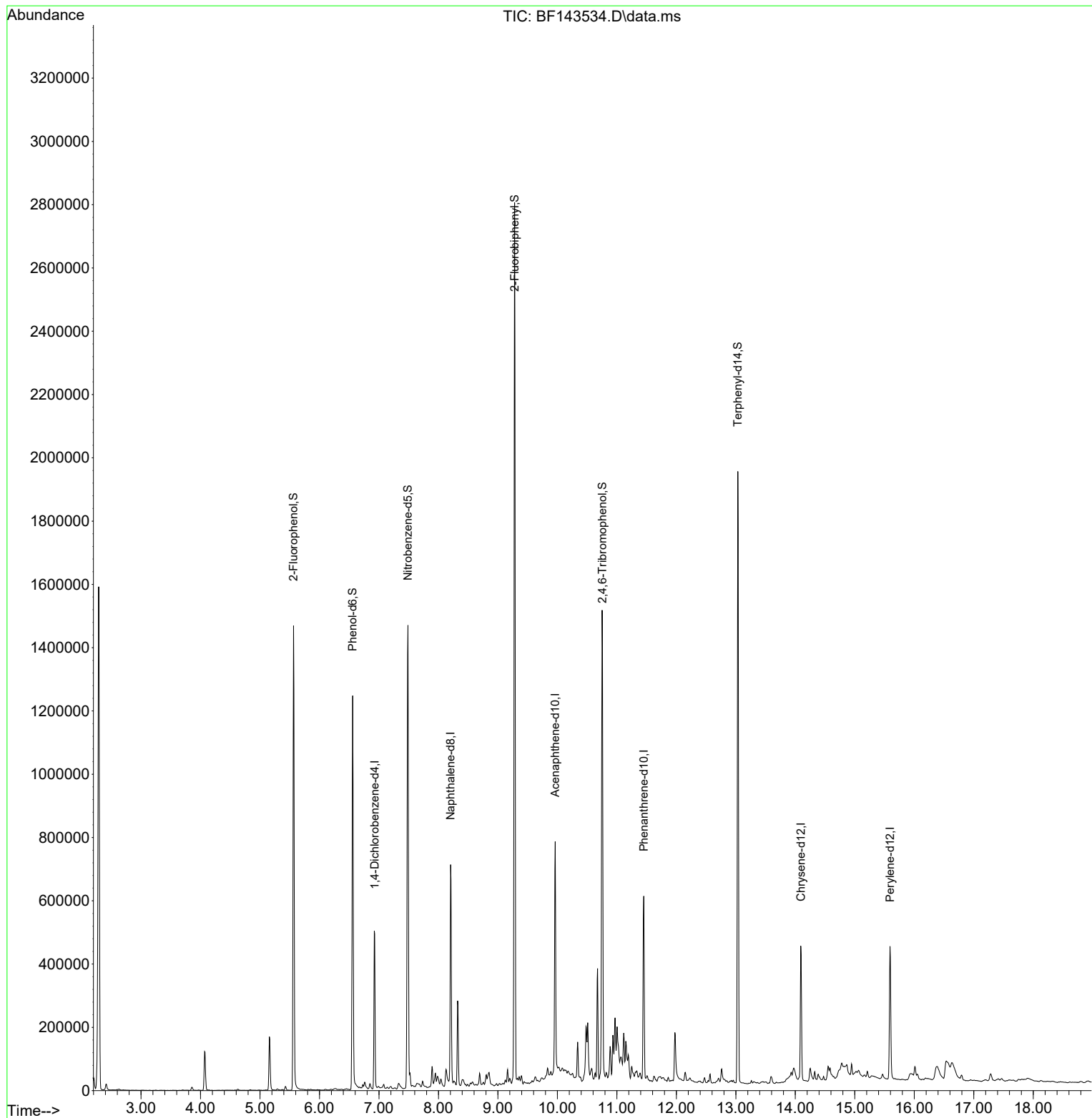
Target Compounds	Qvalue

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

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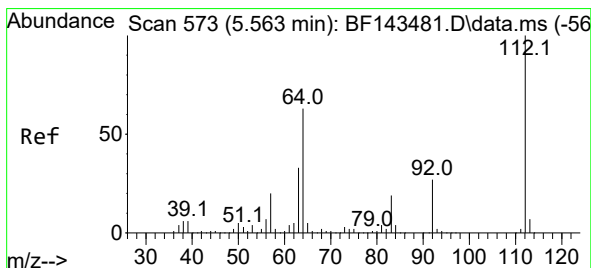
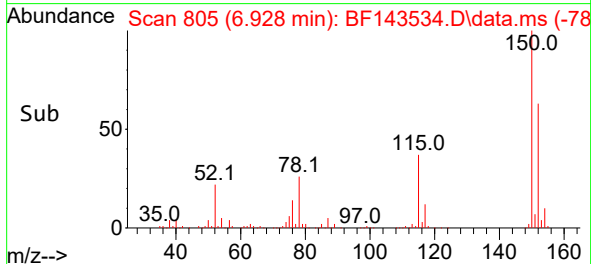
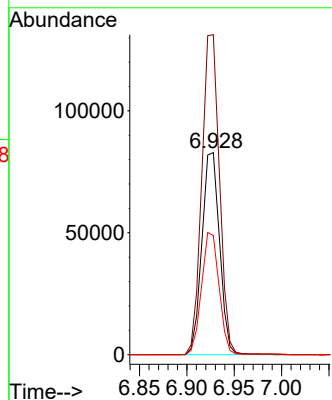
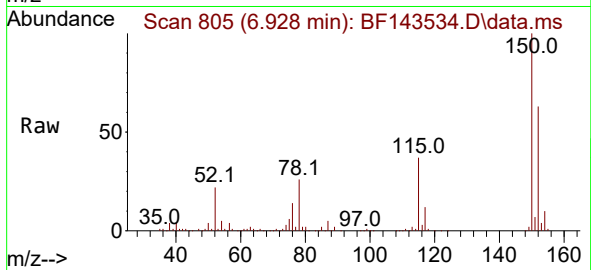




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143534.D
Acq: 21 Aug 2025 17:07

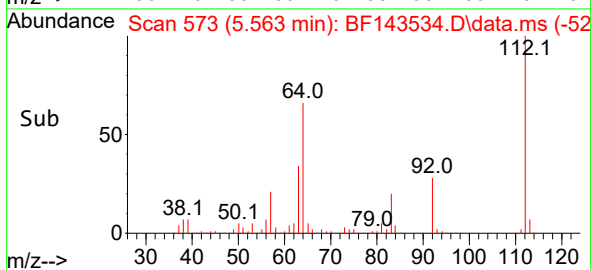
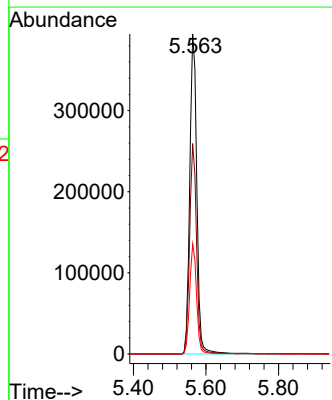
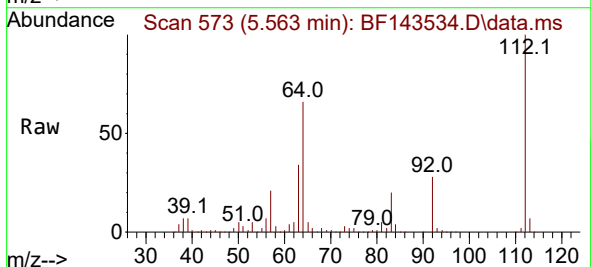
Instrument :
BNA_F
ClientSampleId :
TW-82H-W

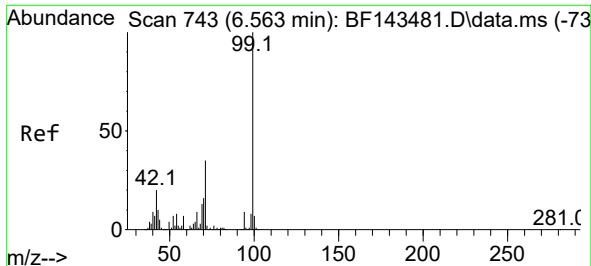
Tgt Ion:152 Resp: 107966
Ion Ratio Lower Upper
152 100
150 158.4 128.9 193.3
115 59.0 49.2 73.8



#5
2-Fluorophenol
Concen: 86.245 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143534.D
Acq: 21 Aug 2025 17:07

Tgt Ion:112 Resp: 533254
Ion Ratio Lower Upper
112 100
64 65.8 50.4 75.6
63 34.3 26.4 39.6

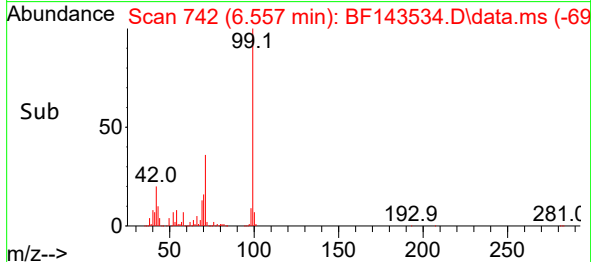
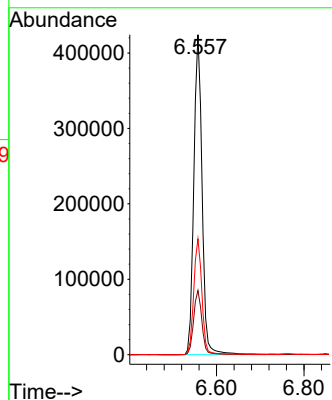
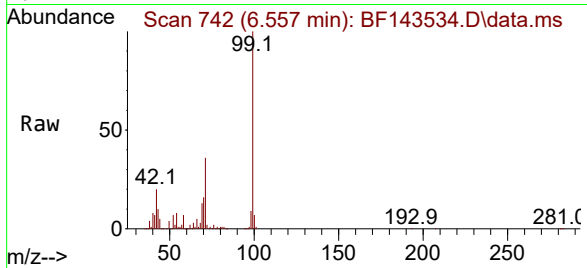




#7
Phenol-d6
Concen: 73.390 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143534.D
Acq: 21 Aug 2025 17:07

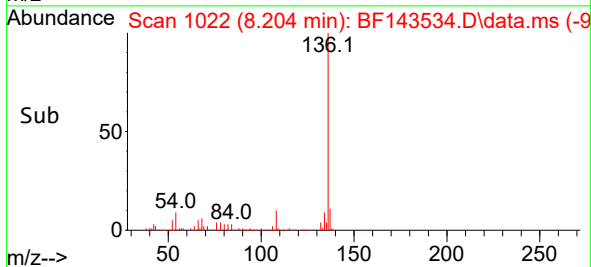
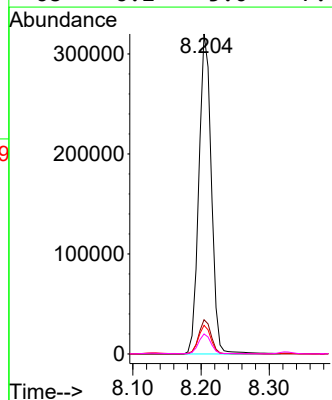
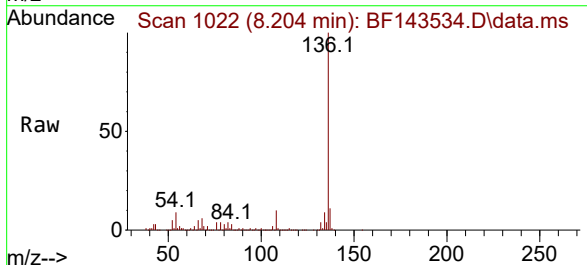
Instrument :
BNA_F
ClientSampleId :
TW-82H-W

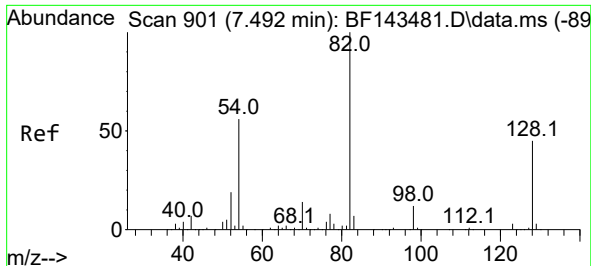
Tgt Ion: 99 Resp: 560160
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 36.2 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143534.D
Acq: 21 Aug 2025 17:07

Tgt Ion: 136 Resp: 407935
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.9 7.4 11.2
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 97.080 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TW-82H-W

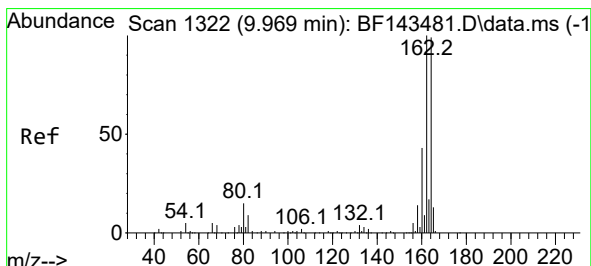
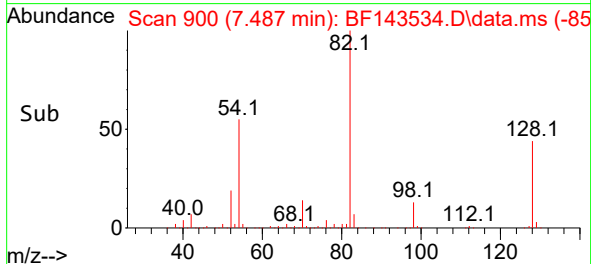
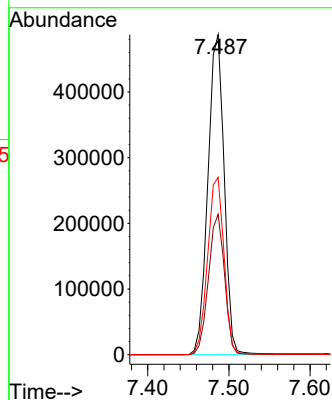
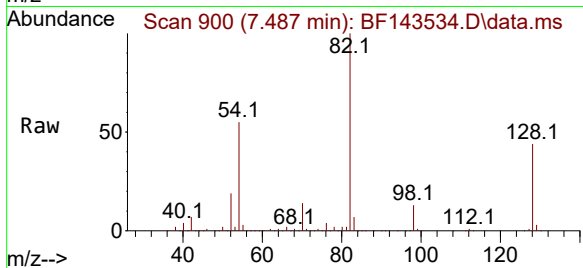
Tgt Ion: 82 Resp: 678648

Ion Ratio Lower Upper

82 100

128 43.8 35.5 53.3

54 55.4 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

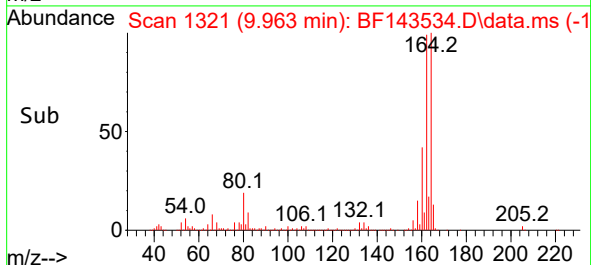
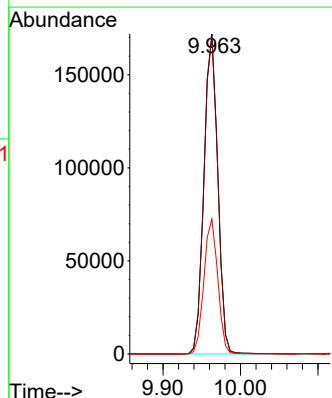
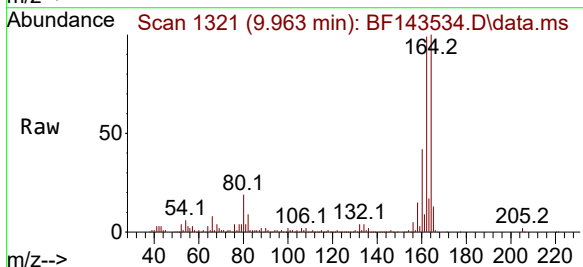
Tgt Ion:164 Resp: 212822

Ion Ratio Lower Upper

164 100

162 99.3 80.5 120.7

160 42.1 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 138.826 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TW-82H-W

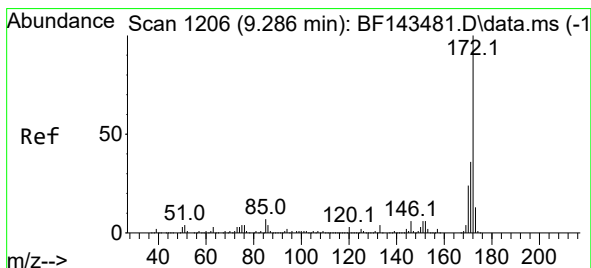
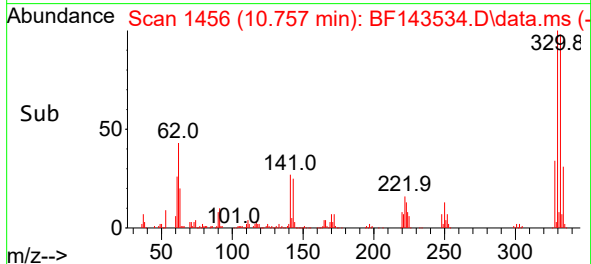
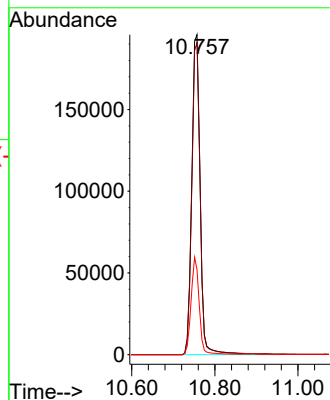
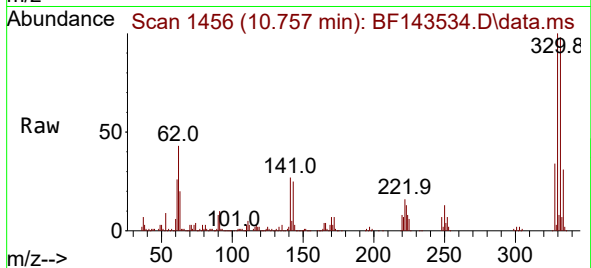
Tgt Ion:330 Resp: 275023

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 29.6 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 94.606 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

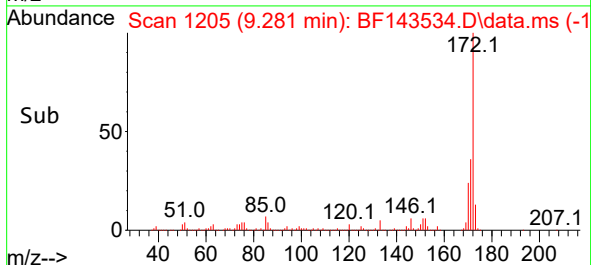
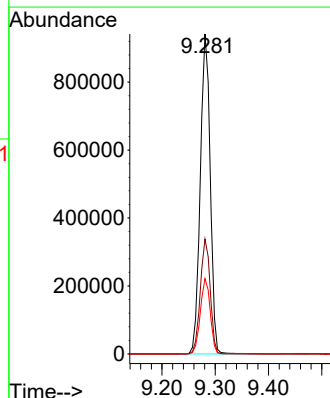
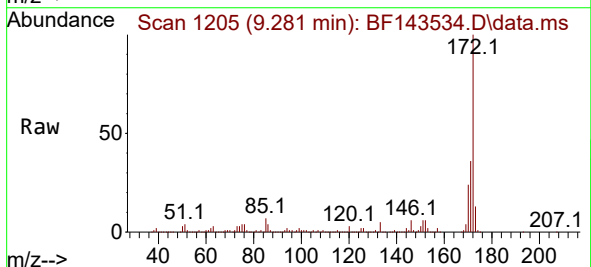
Tgt Ion:172 Resp: 1218284

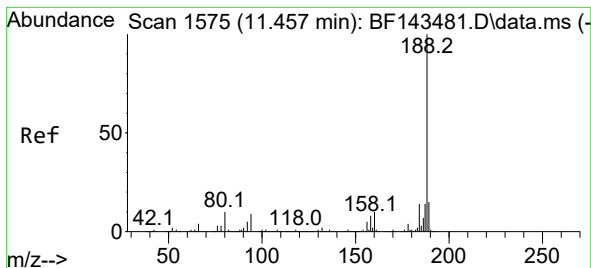
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.6 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TW-82H-W

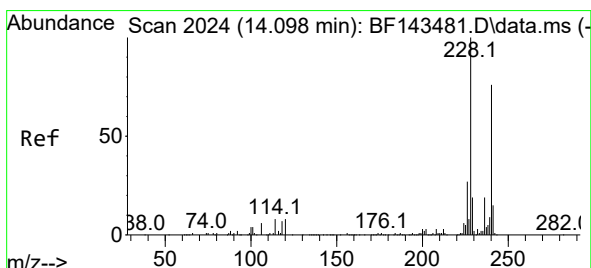
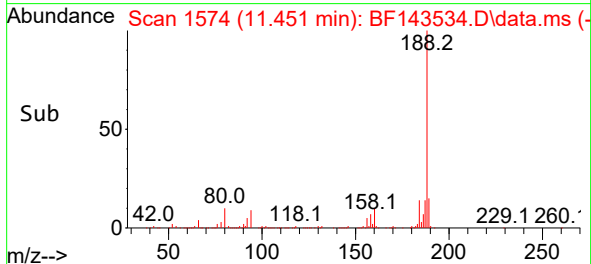
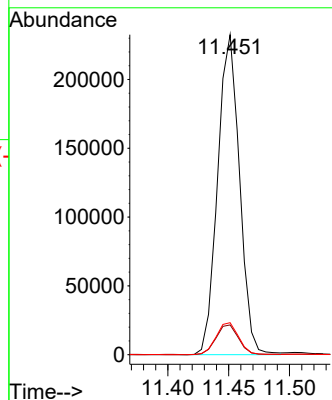
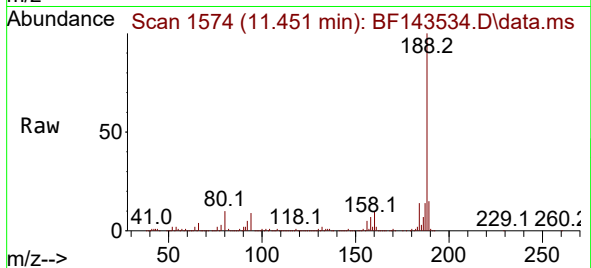
Tgt Ion:188 Resp: 291316

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.0 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF143534.D

Acq: 21 Aug 2025 17:07

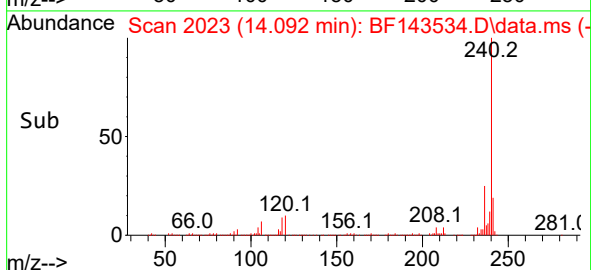
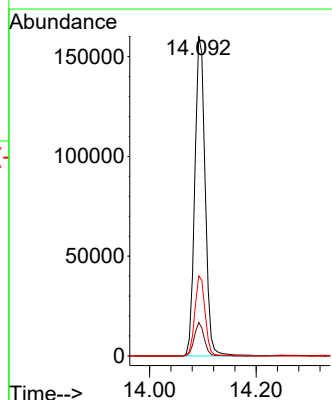
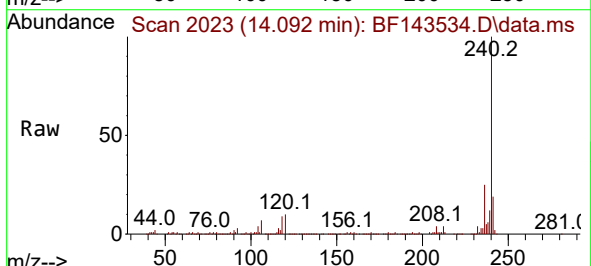
Tgt Ion:240 Resp: 216372

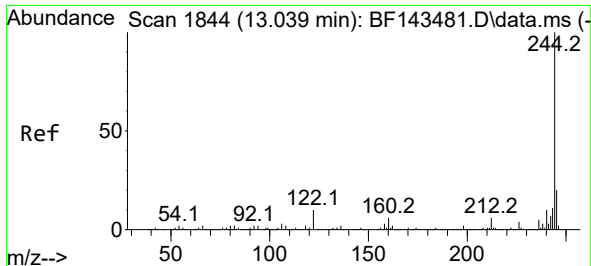
Ion Ratio Lower Upper

240 100

120 10.4 8.6 12.8

236 25.1 20.4 30.6

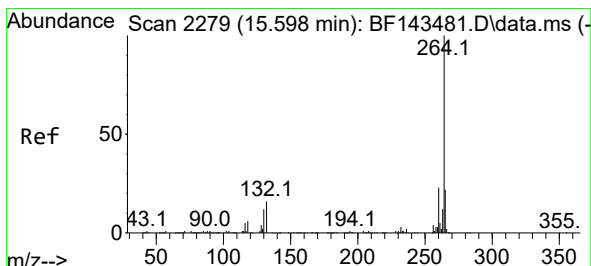
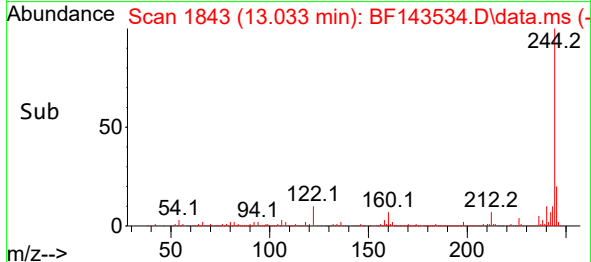
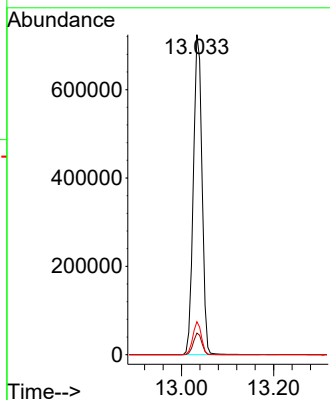
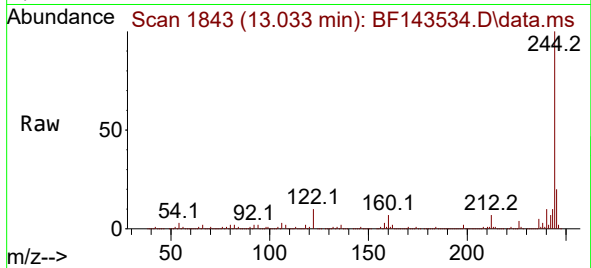




#79
 Terphenyl-d14
 Concen: 75.734 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143534.D
 Acq: 21 Aug 2025 17:07

Instrument :
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 ClientSampleId :
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Tgt Ion:244 Resp: 939051
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.3 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143534.D
 Acq: 21 Aug 2025 17:07

Tgt Ion:264 Resp: 248939
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.8 17.6 26.4

