

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143552.D
 Acq On : 22 Aug 2025 02:49
 Operator : RC/JU
 Sample : Q2903-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-02-081925

Quant Time: Aug 22 04:13:05 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)

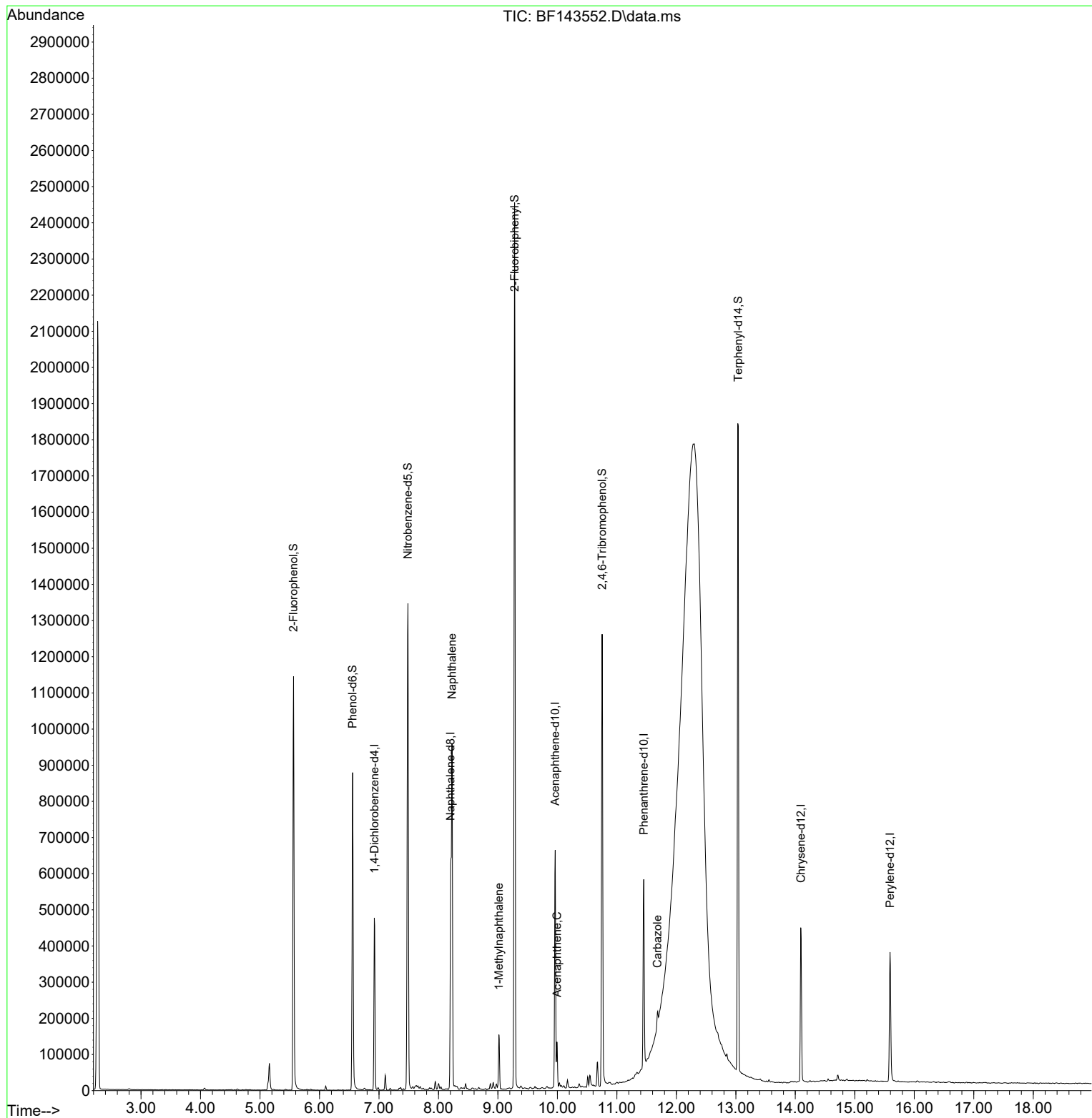
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	100409	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	377363	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	194183	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	263114	20.000	ng	0.00
76) Chrysene-d12	14.092	240	213390	20.000	ng	-0.01
86) Perylene-d12	15.592	264	220215	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	407219	70.817	ng	0.00
7) Phenol-d6	6.557	99	386609	54.464	ng	-0.02
23) Nitrobenzene-d5	7.486	82	616377	95.316	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	216927	120.011	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1060914	90.293	ng	0.00
79) Terphenyl-d14	13.039	244	888121	72.628	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.228	128	557922	30.795	ng	100
38) 1-Methylnaphthalene	9.016	142	54989	4.751	ng	99
52) Acenaphthene	9.992	154	36677	3.489	ng	97
73) Carbazole	11.680	167	23738	2.030	ng	98

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

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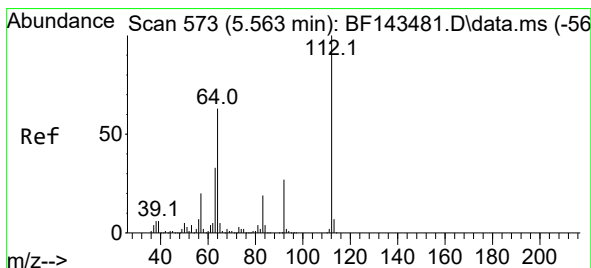
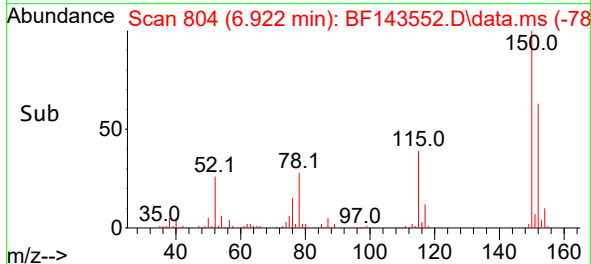
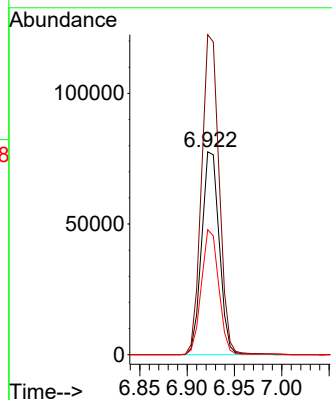
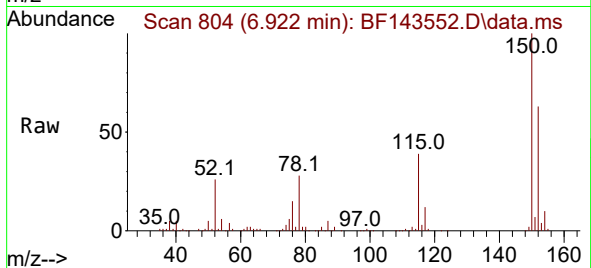




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143552.D
Acq: 22 Aug 2025 02:49

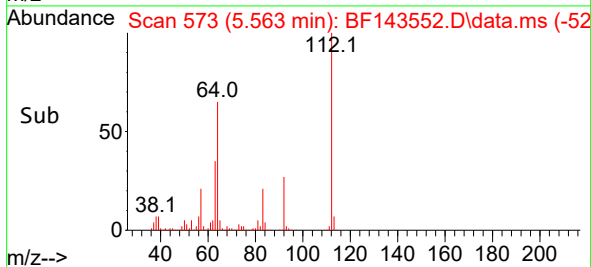
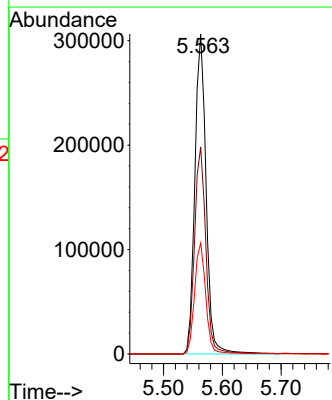
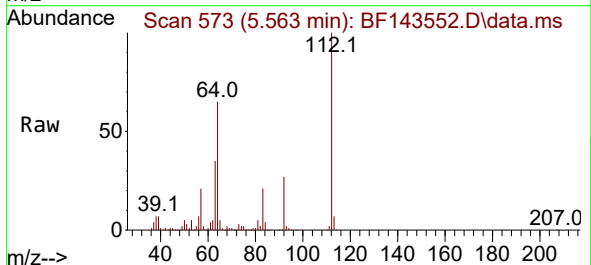
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

Tgt Ion:152 Resp: 100409
Ion Ratio Lower Upper
152 100
150 157.7 128.9 193.3
115 61.6 49.2 73.8



#5
2-Fluorophenol
Concen: 70.817 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143552.D
Acq: 22 Aug 2025 02:49

Tgt Ion:112 Resp: 407219
Ion Ratio Lower Upper
112 100
64 64.7 50.4 75.6
63 34.6 26.4 39.6

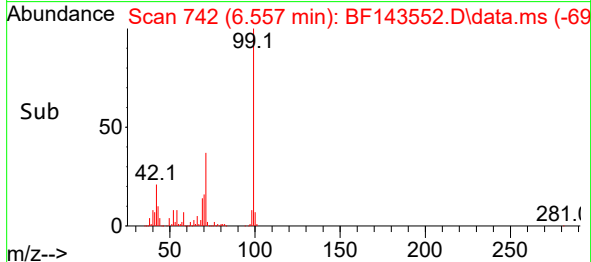
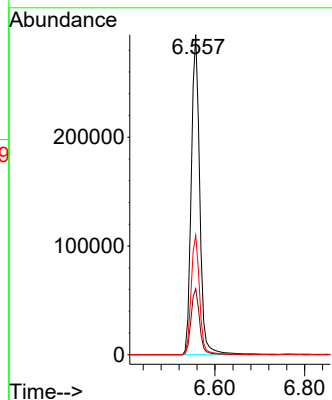
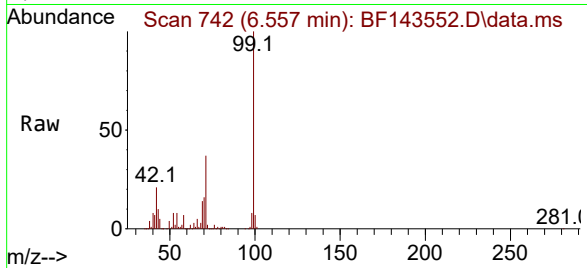




#7
Phenol-d6
Concen: 54.464 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143552.D
Acq: 22 Aug 2025 02:49

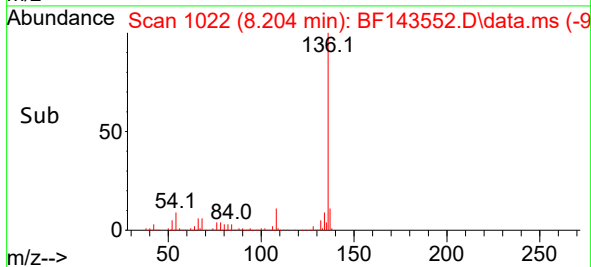
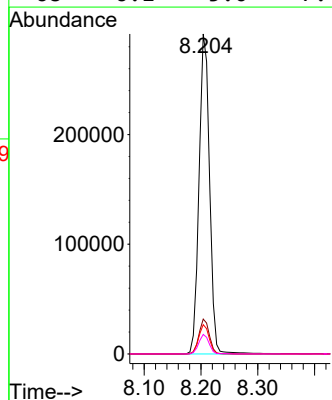
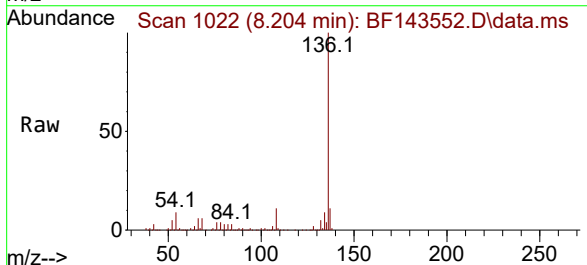
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

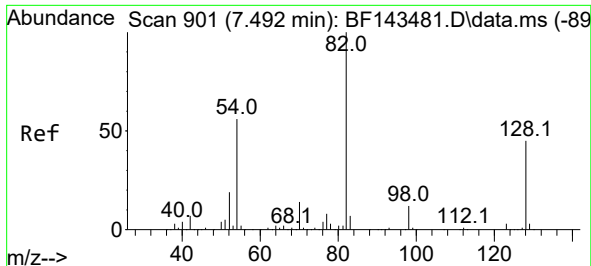
Tgt Ion: 99 Resp: 386609
Ion Ratio Lower Upper
99 100
42 20.6 16.3 24.5
71 37.3 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143552.D
Acq: 22 Aug 2025 02:49

Tgt Ion: 136 Resp: 377363
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.1 7.4 11.2
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 95.316 ng

RT: 7.486 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF143552.D

Acq: 22 Aug 2025 02:49

Instrument :

BNA_F

ClientSampleId :

DUP-02-081925

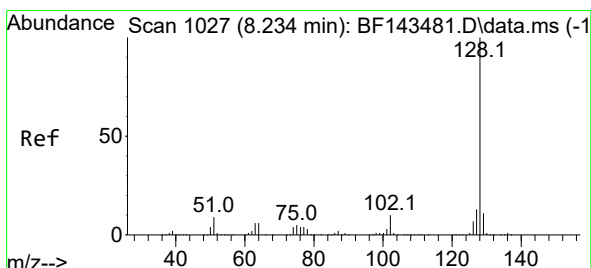
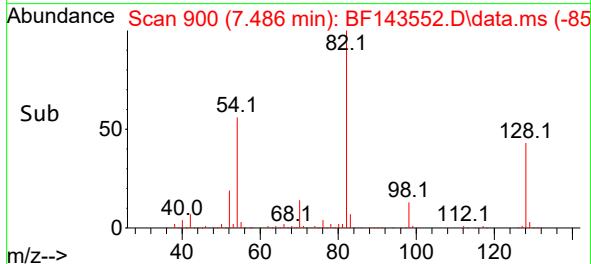
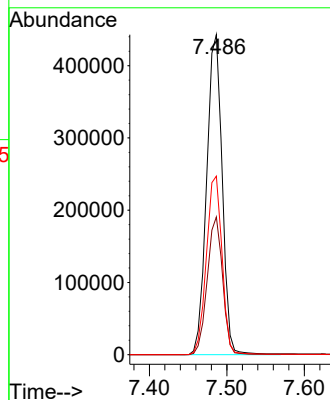
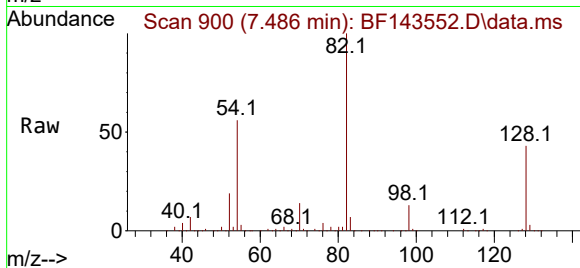
Tgt Ion: 82 Resp: 616377

Ion Ratio Lower Upper

82 100

128 43.1 35.5 53.3

54 55.8 44.3 66.5



#31

Naphthalene

Concen: 30.795 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143552.D

Acq: 22 Aug 2025 02:49

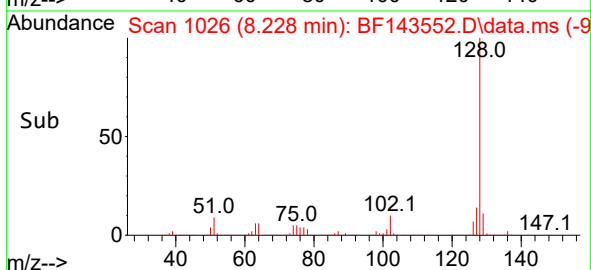
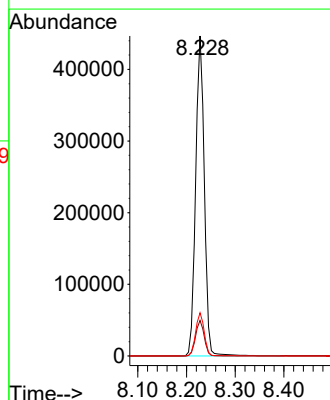
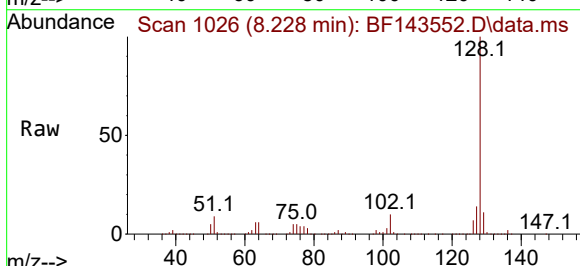
Tgt Ion:128 Resp: 557922

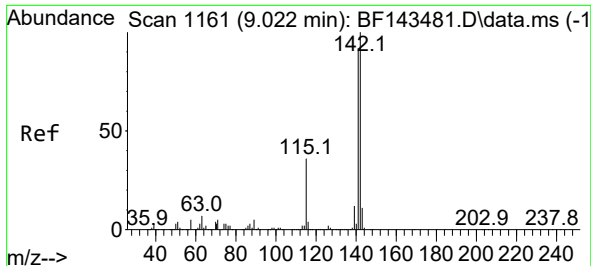
Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.5 10.6 16.0





#38

1-Methylnaphthalene

Concen: 4.751 ng

RT: 9.016 min Scan# 1160

Delta R.T. -0.012 min

Lab File: BF143552.D

Acq: 22 Aug 2025 02:49

Instrument :

BNA_F

ClientSampleId :

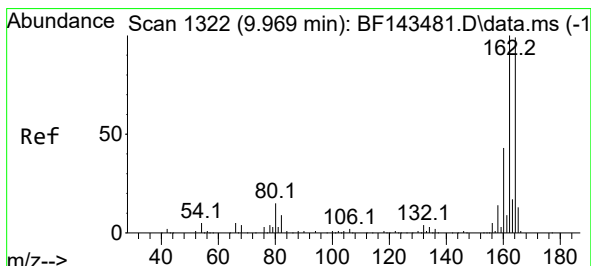
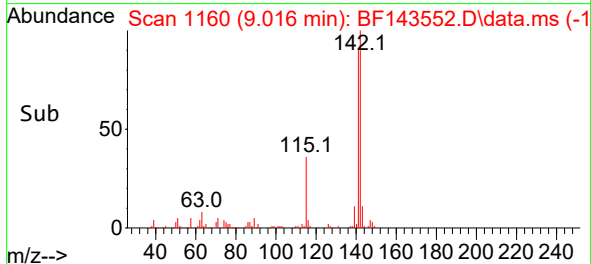
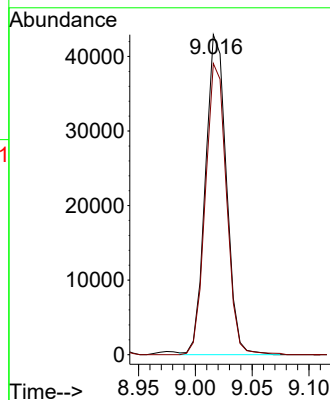
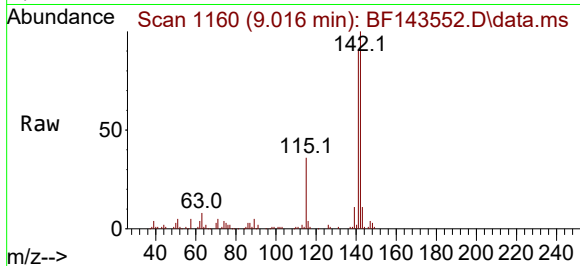
DUP-02-081925

Tgt Ion:142 Resp: 54989

Ion Ratio Lower Upper

142 100

141 91.0 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143552.D

Acq: 22 Aug 2025 02:49

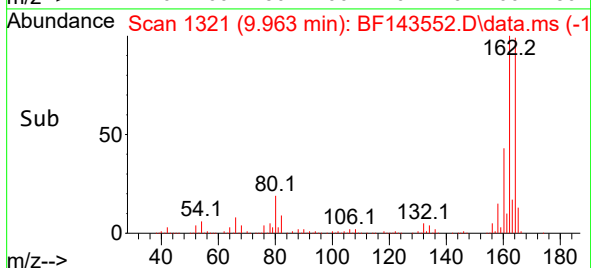
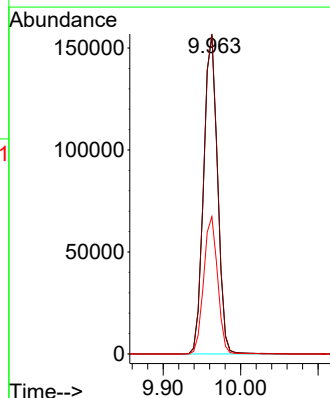
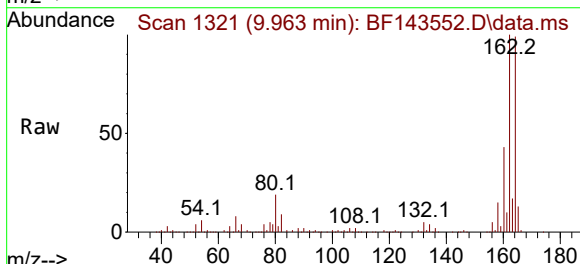
Tgt Ion:164 Resp: 194183

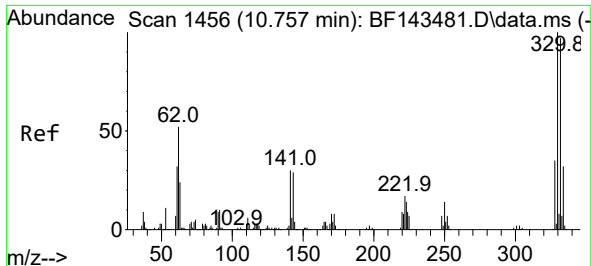
Ion Ratio Lower Upper

164 100

162 100.5 80.5 120.7

160 43.1 34.3 51.5

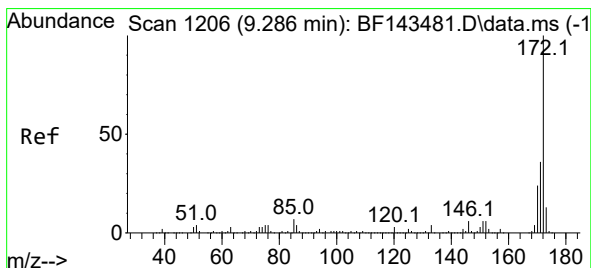
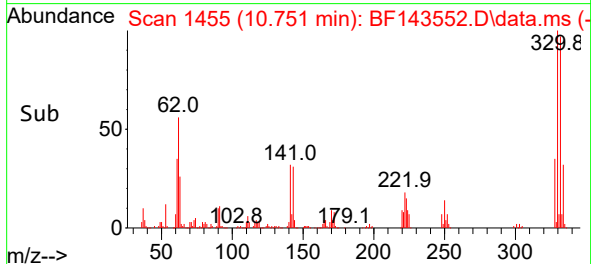
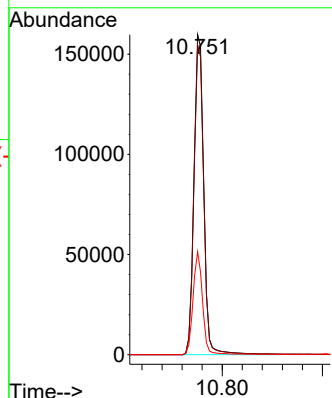
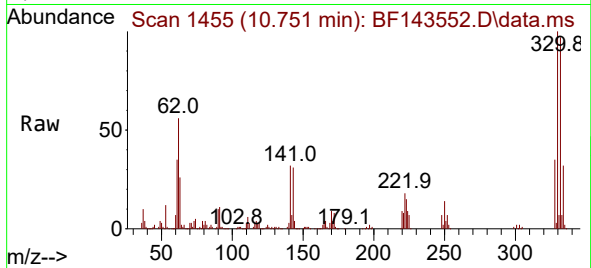




#42
2,4,6-Tribromophenol
Concen: 120.011 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BF143552.D
Acq: 22 Aug 2025 02:49

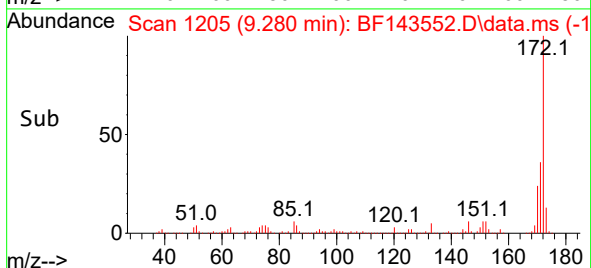
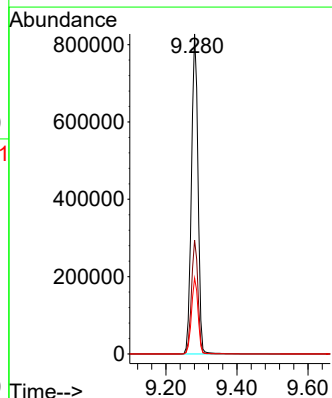
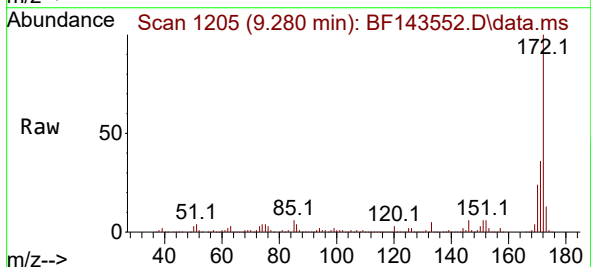
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

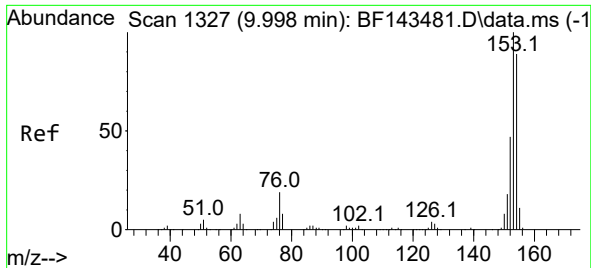
Tgt Ion:330 Resp: 216927
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 31.1 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 90.293 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143552.D
Acq: 22 Aug 2025 02:49

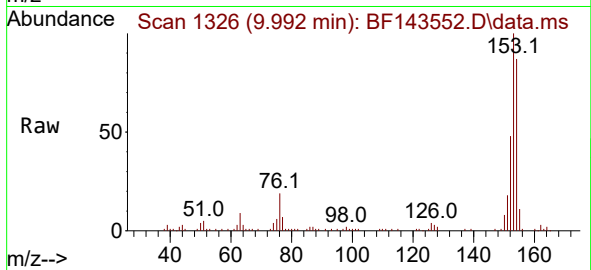
Tgt Ion:172 Resp: 1060914
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.7 18.8 28.2



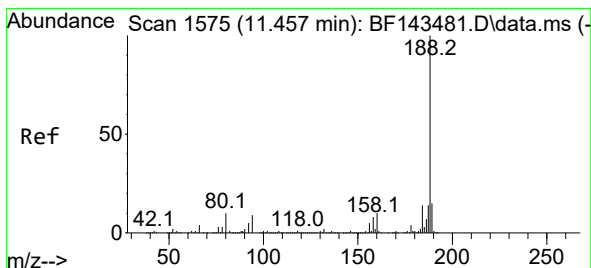
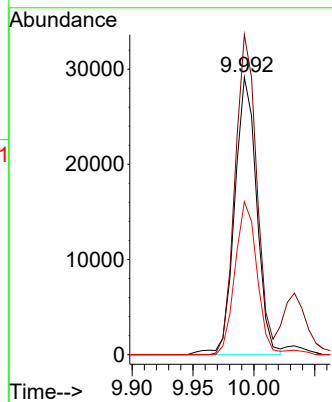
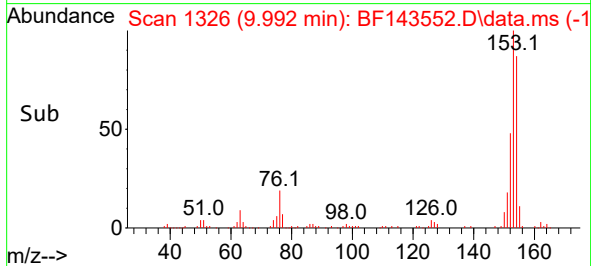


#52
Acenaphthene
Concen: 3.489 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143552.D
Acq: 22 Aug 2025 02:49

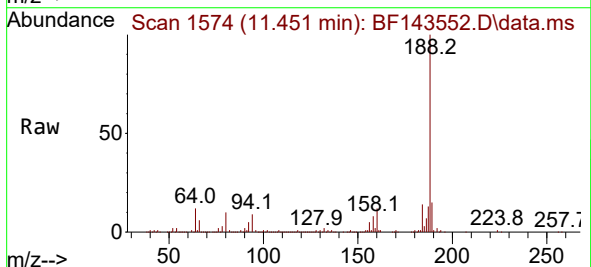
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BNA_F
ClientSampleId :
DUP-02-081925



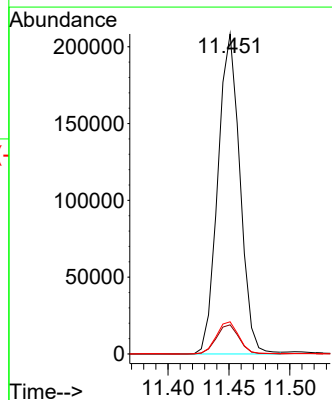
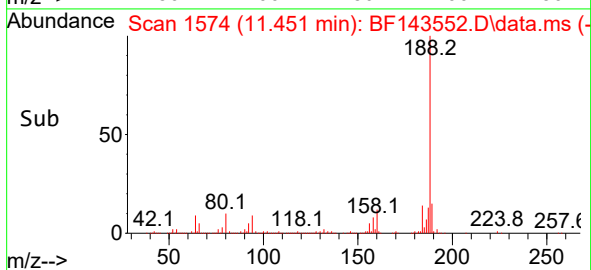
Tgt Ion:154 Resp: 36677
Ion Ratio Lower Upper
154 100
153 115.3 89.5 134.3
152 55.1 42.5 63.7

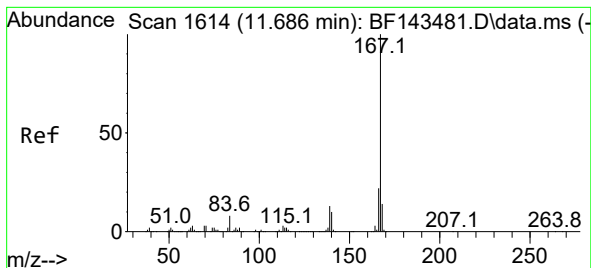


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143552.D
Acq: 22 Aug 2025 02:49



Tgt Ion:188 Resp: 263114
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 10.0 8.2 12.4





#73

Carbazole

Concen: 2.030 ng

RT: 11.680 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143552.D

Acq: 22 Aug 2025 02:49

Instrument :

BNA_F

ClientSampleId :

DUP-02-081925

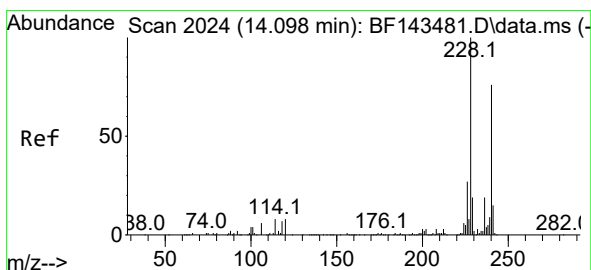
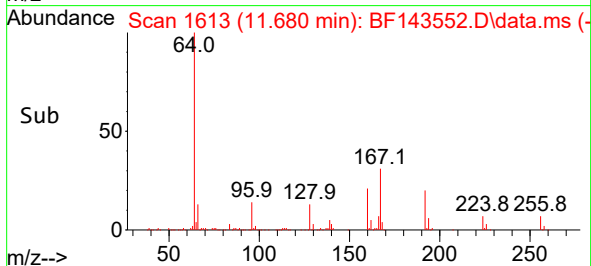
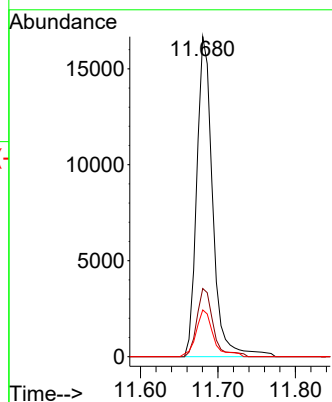
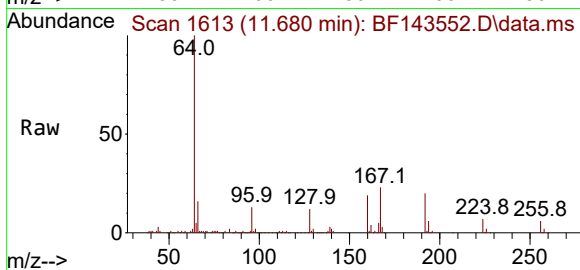
Tgt Ion:167 Resp: 23738

Ion Ratio Lower Upper

167 100

166 21.3 17.3 25.9

139 14.6 10.0 15.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF143552.D

Acq: 22 Aug 2025 02:49

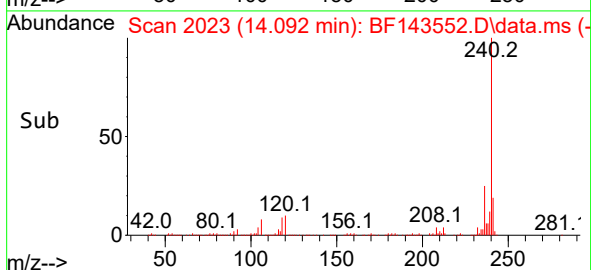
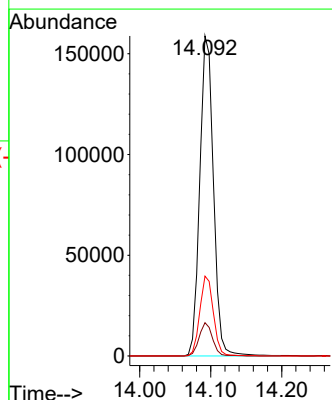
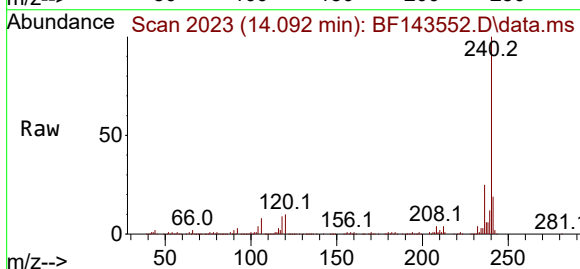
Tgt Ion:240 Resp: 213390

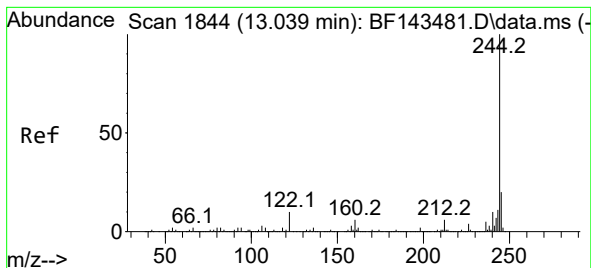
Ion Ratio Lower Upper

240 100

120 10.4 8.6 12.8

236 24.9 20.4 30.6





#79

Terphenyl-d14

Concen: 72.628 ng

RT: 13.039 min Scan# 1844

Delta R.T. -0.000 min

Lab File: BF143552.D

Acq: 22 Aug 2025 02:49

Instrument :

BNA_F

ClientSampleId :

DUP-02-081925

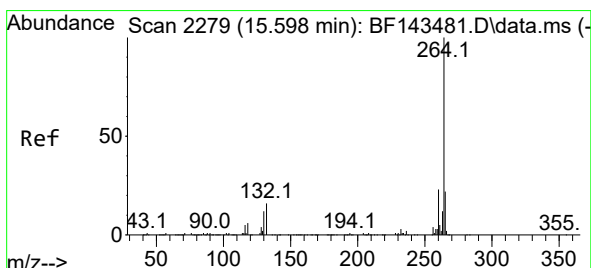
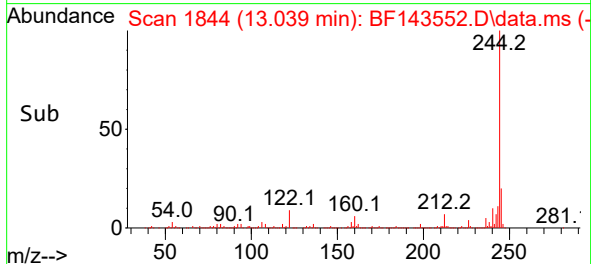
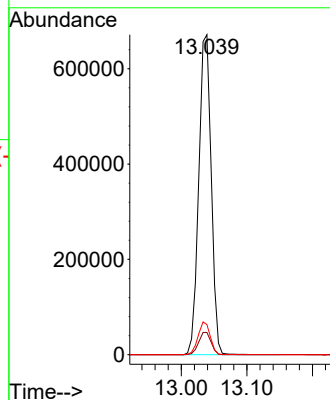
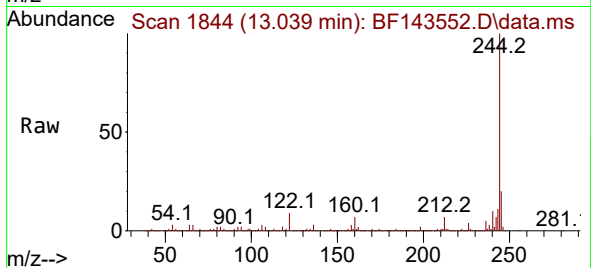
Tgt Ion:244 Resp: 888121

Ion Ratio Lower Upper

244 100

212 7.0 5.2 7.8

122 9.4 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: BF143552.D

Acq: 22 Aug 2025 02:49

Tgt Ion:264 Resp: 220215

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.4 17.6 26.4

