

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143574.D
 Acq On : 22 Aug 2025 15:54
 Operator : RC/JU
 Sample : Q2903-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-02-081925

Quant Time: Aug 22 16:46:09 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)

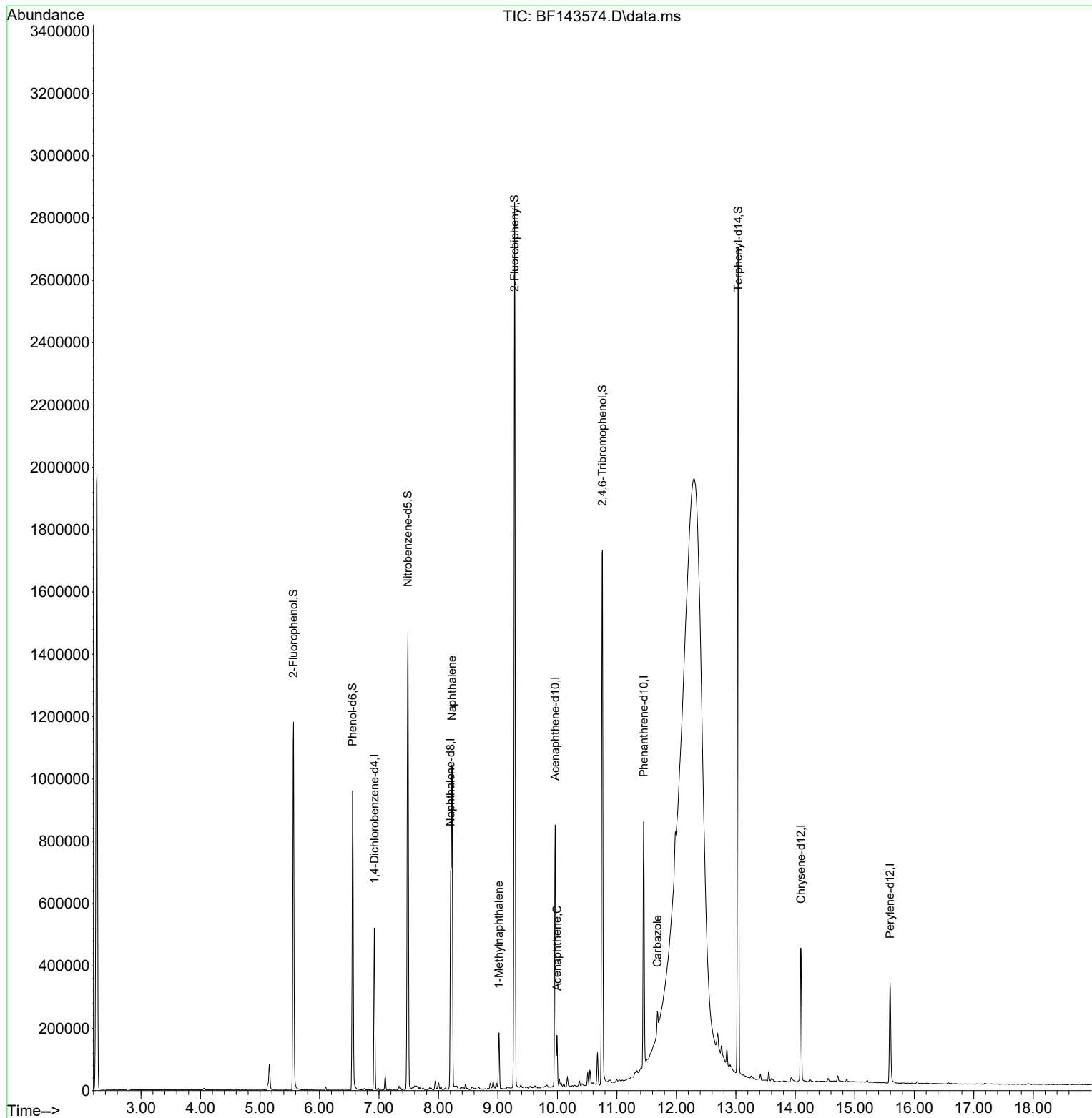
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	103766	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	414035	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	247803	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	387247	20.000	ng	0.00
76) Chrysene-d12	14.092	240	209004	20.000	ng	-0.01
86) Perylene-d12	15.592	264	198825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	413666	69.611	ng	0.00
7) Phenol-d6	6.557	99	405801	55.318	ng	-0.02
23) Nitrobenzene-d5	7.487	82	683773	96.372	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	312596	135.518	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1246727	83.148	ng	0.00
79) Terphenyl-d14	13.039	244	1263786	105.517	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.228	128	604609	30.416	ng	99
38) 1-Methylnaphthalene	9.016	142	62633	4.932	ng	98
52) Acenaphthene	9.992	154	49364	3.679	ng	97
73) Carbazole	11.680	167	36327	2.110	ng	97

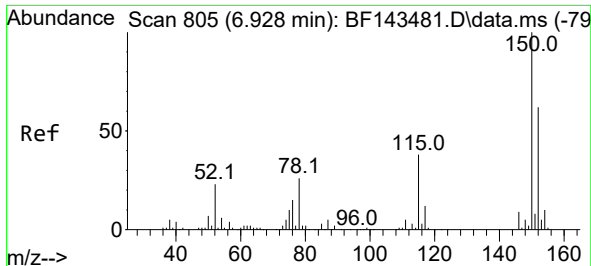
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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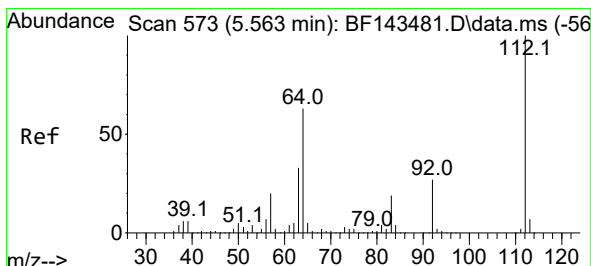
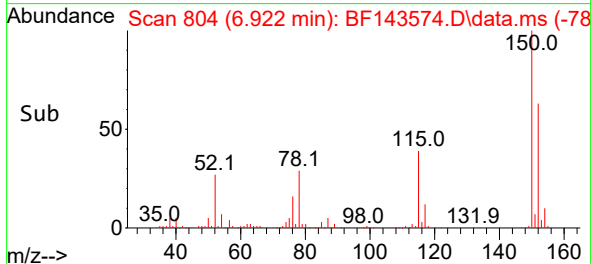
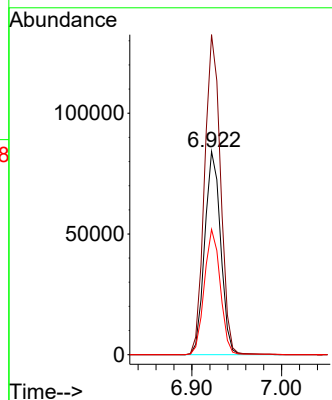
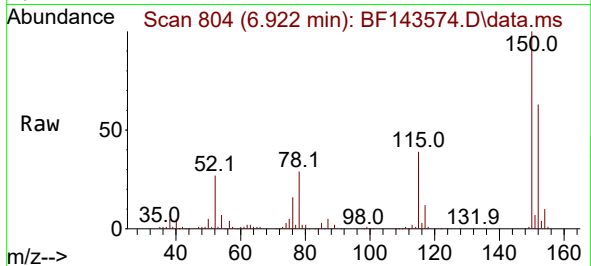




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

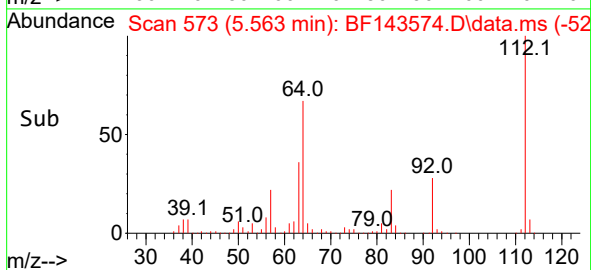
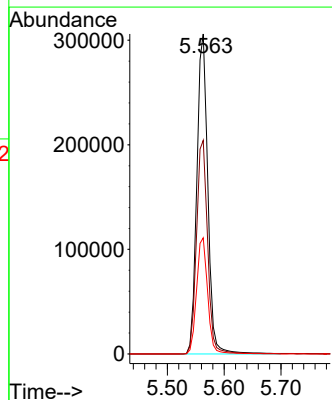
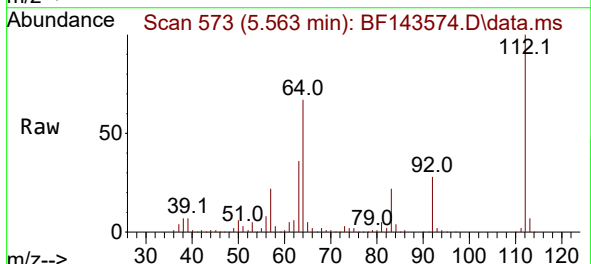
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

Tgt Ion:152 Resp: 103766
Ion Ratio Lower Upper
152 100
150 157.5 128.9 193.3
115 61.7 49.2 73.8



#5
2-Fluorophenol
Concen: 69.611 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion:112 Resp: 413666
Ion Ratio Lower Upper
112 100
64 66.8 50.4 75.6
63 36.3 26.4 39.6

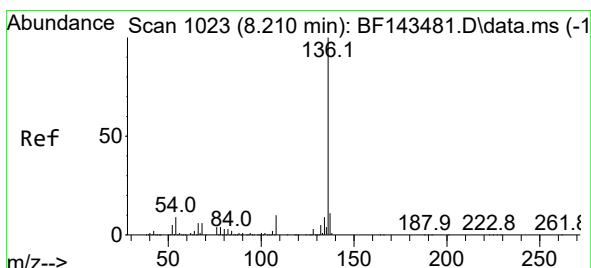
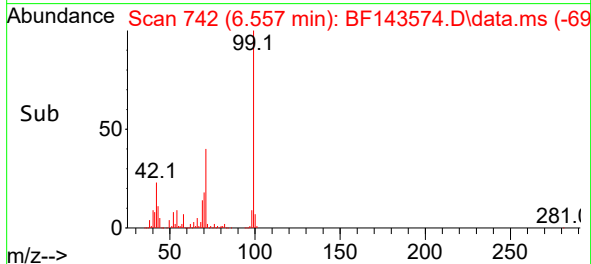
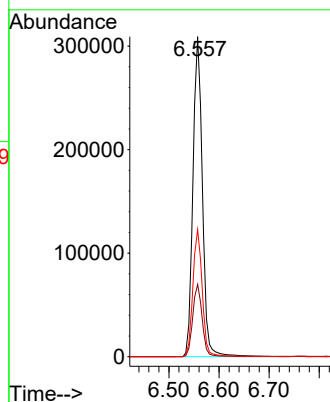
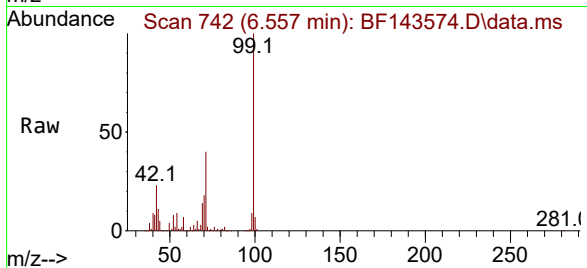




#7
Phenol-d6
Concen: 55.318 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

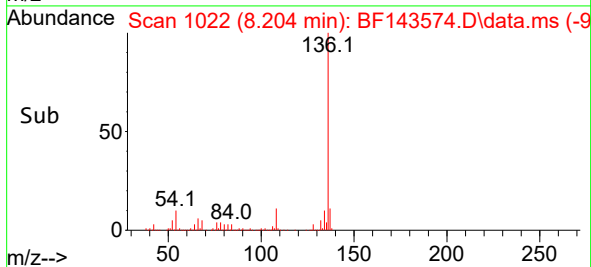
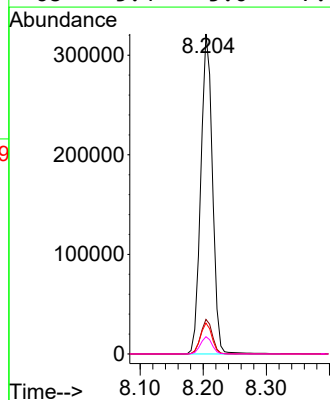
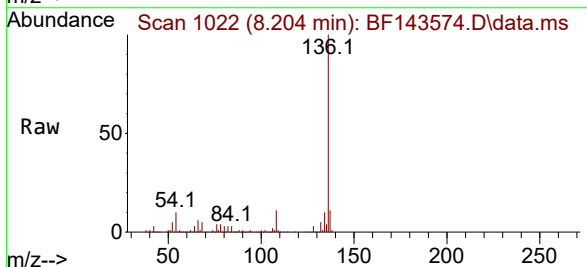
Instrument :
BNA_F
ClientSampleId :
DUP-02-081925

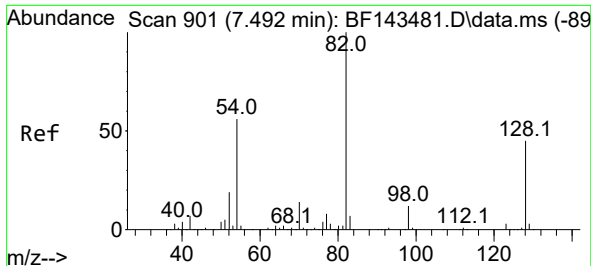
Tgt Ion: 99 Resp: 405801
Ion Ratio Lower Upper
99 100
42 22.6 16.3 24.5
71 39.7 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion: 136 Resp: 414035
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.7 7.4 11.2
68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 96.372 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143574.D

Acq: 22 Aug 2025 15:54

Instrument :

BNA_F

ClientSampleId :

DUP-02-081925

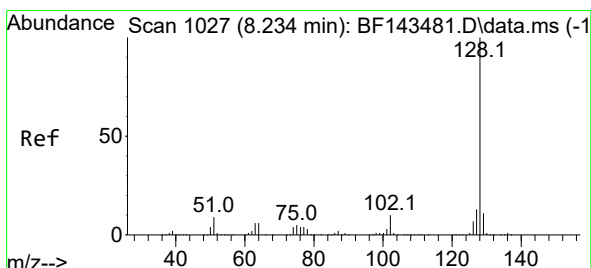
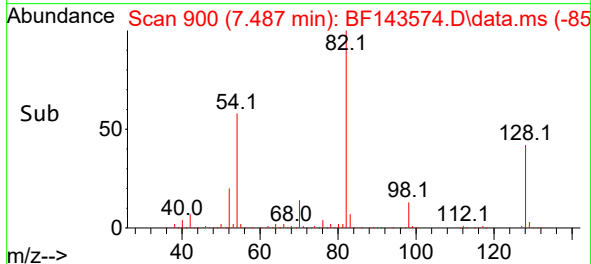
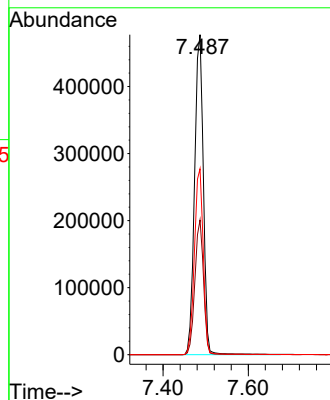
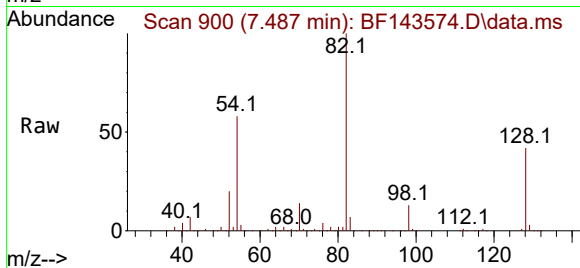
Tgt Ion: 82 Resp: 683773

Ion Ratio Lower Upper

82 100

128 42.1 35.5 53.3

54 58.1 44.3 66.5



#31

Naphthalene

Concen: 30.416 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143574.D

Acq: 22 Aug 2025 15:54

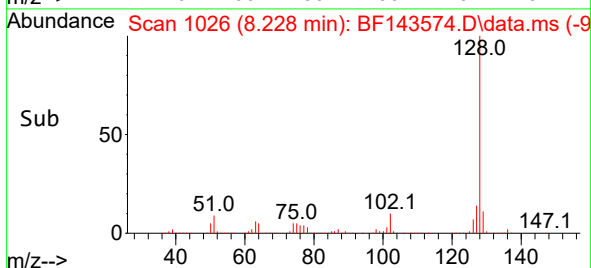
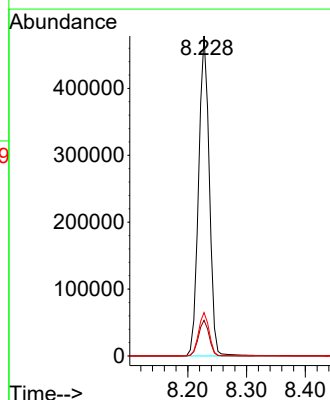
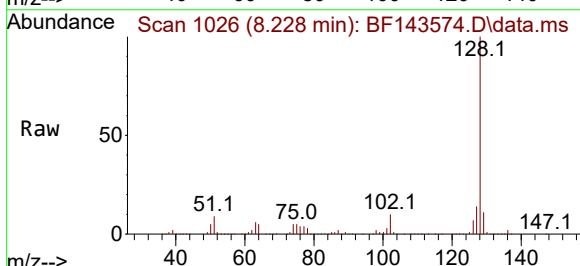
Tgt Ion:128 Resp: 604609

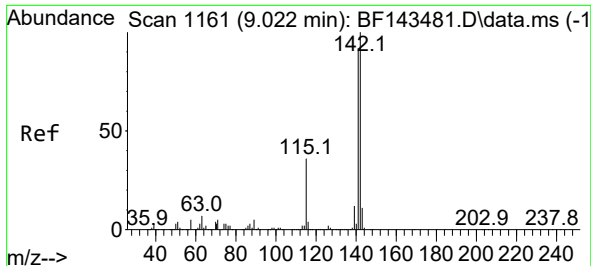
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.6 10.6 16.0





#38

1-Methylnaphthalene

Concen: 4.932 ng

RT: 9.016 min Scan# 1160

Delta R.T. -0.012 min

Lab File: BF143574.D

Acq: 22 Aug 2025 15:54

Instrument :

BNA_F

ClientSampleId :

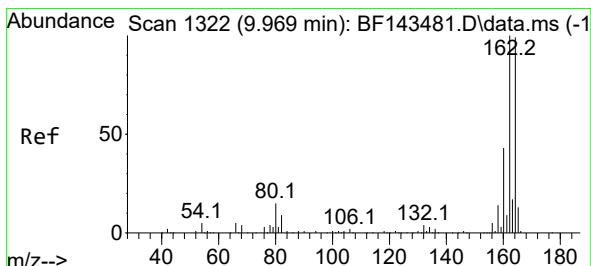
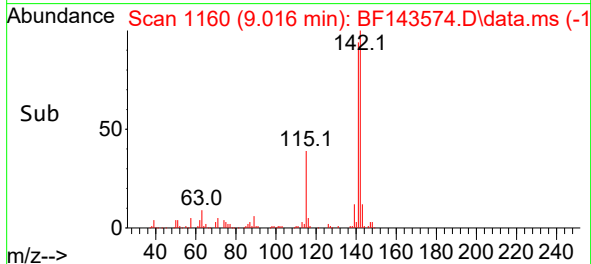
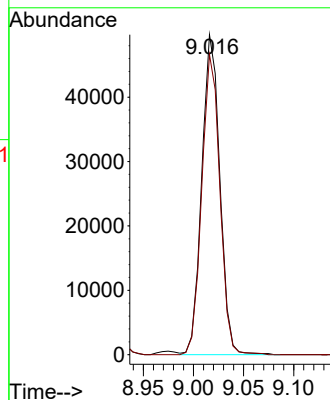
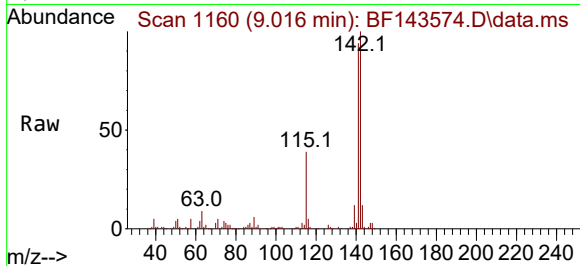
DUP-02-081925

Tgt Ion:142 Resp: 62633

Ion Ratio Lower Upper

142 100

141 93.8 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: BF143574.D

Acq: 22 Aug 2025 15:54

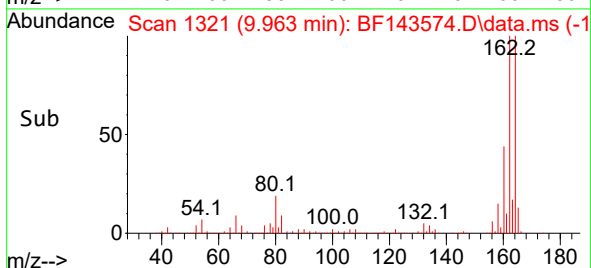
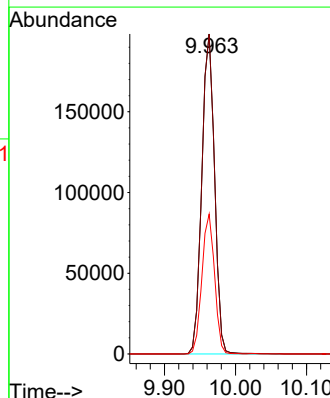
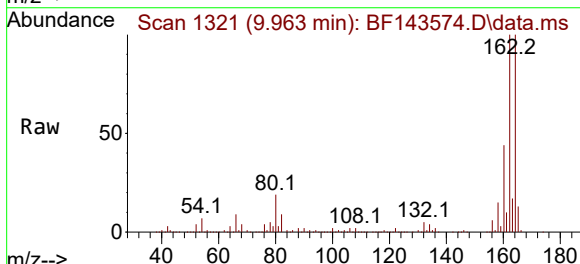
Tgt Ion:164 Resp: 247803

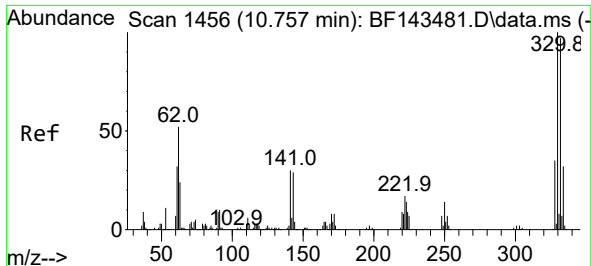
Ion Ratio Lower Upper

164 100

162 99.9 80.5 120.7

160 43.7 34.3 51.5

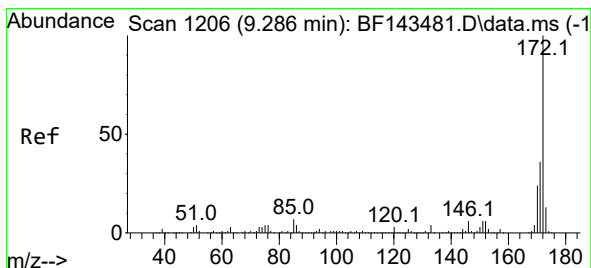
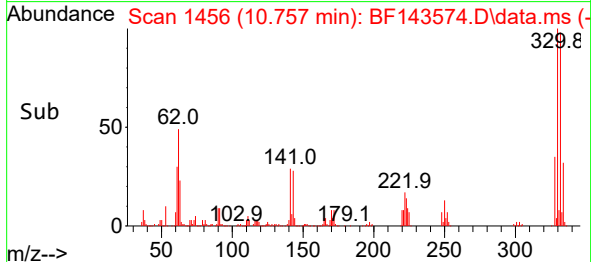
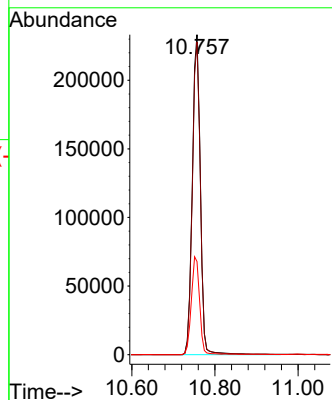
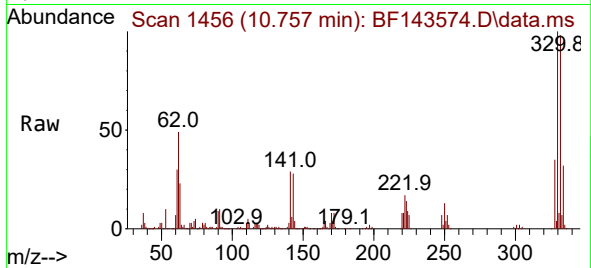




#42
2,4,6-Tribromophenol
Concen: 135.518 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

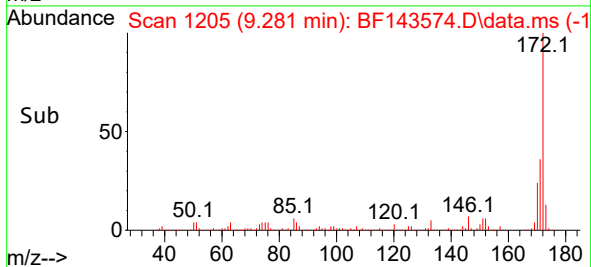
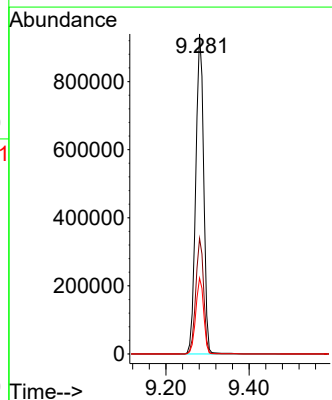
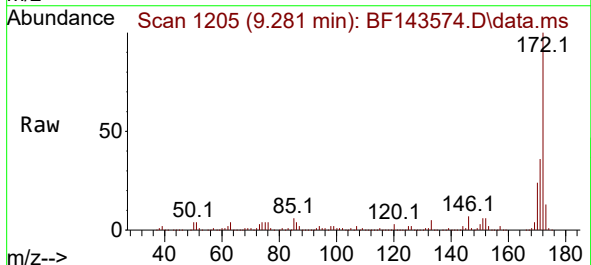
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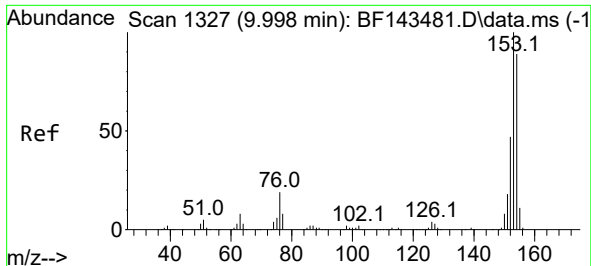
Tgt Ion: 330 Resp: 312596
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 31.4 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 83.148 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion: 172 Resp: 1246727
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.7 18.8 28.2

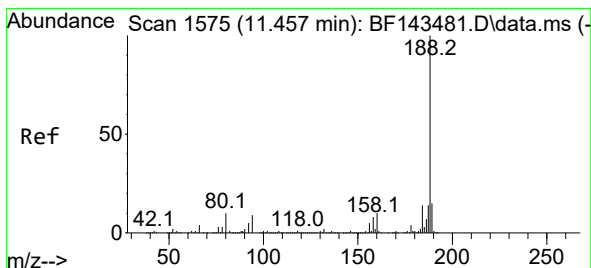
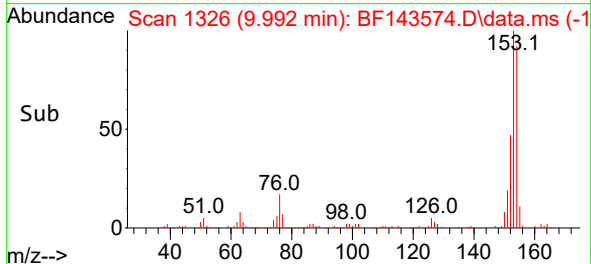
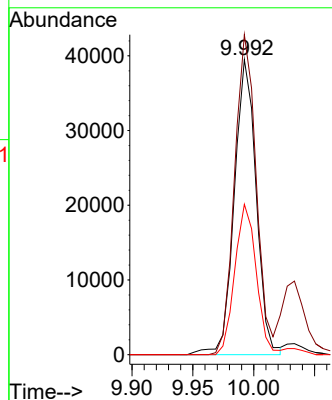
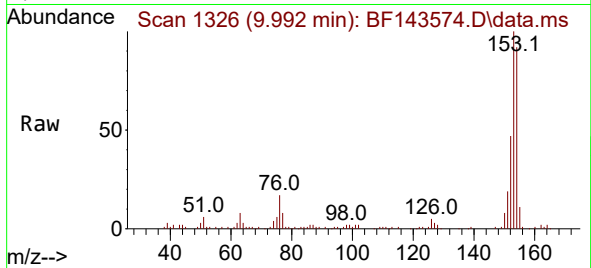




#52
Acenaphthene
Concen: 3.679 ng
RT: 9.992 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

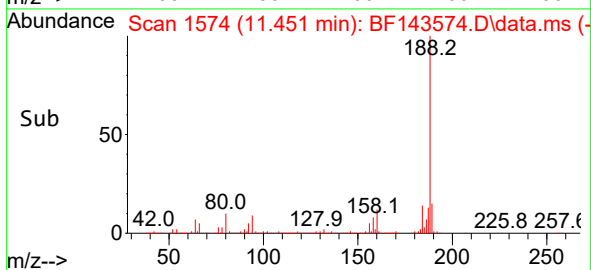
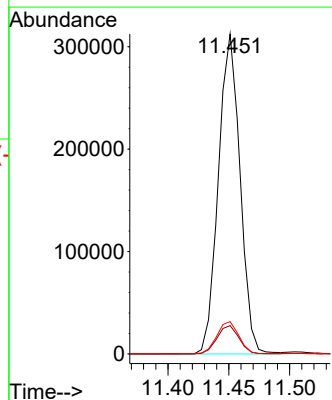
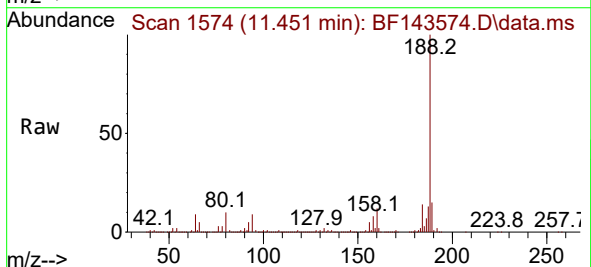
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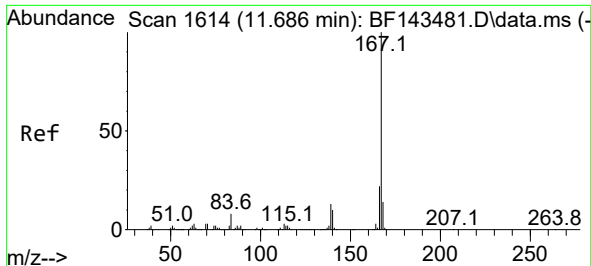
Tgt Ion:154 Resp: 49364
Ion Ratio Lower Upper
154 100
153 108.4 89.5 134.3
152 51.0 42.5 63.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143574.D
Acq: 22 Aug 2025 15:54

Tgt Ion:188 Resp: 387247
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 10.1 8.2 12.4

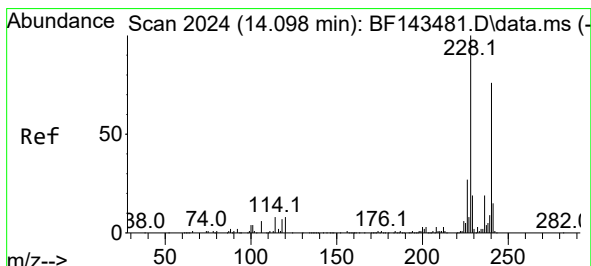
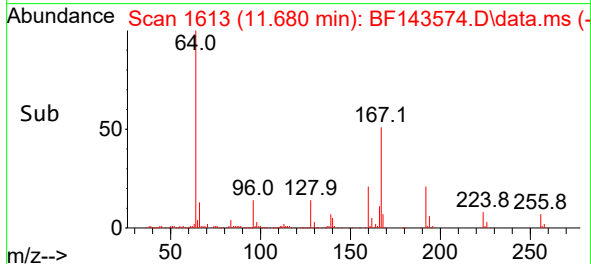
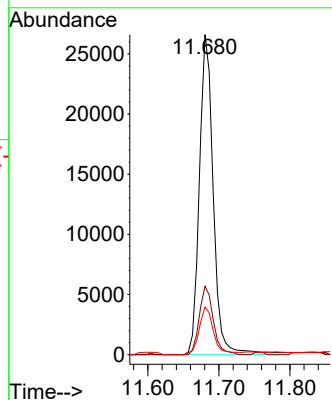
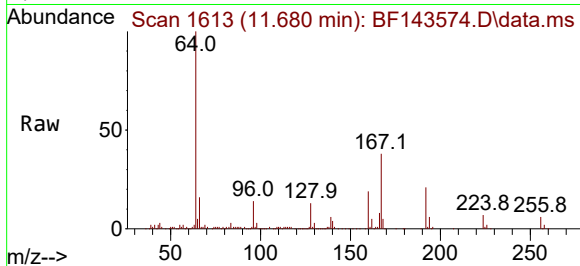




#73
 Carbazole
 Concen: 2.110 ng
 RT: 11.680 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF143574.D
 Acq: 22 Aug 2025 15:54

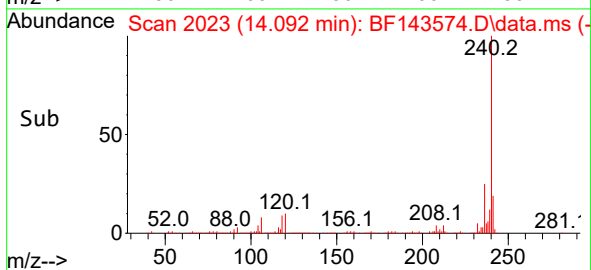
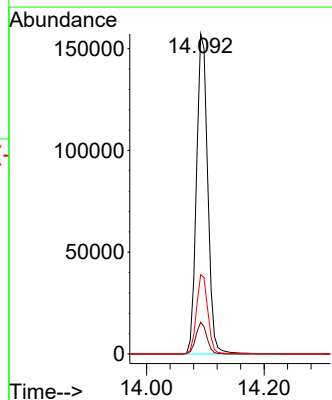
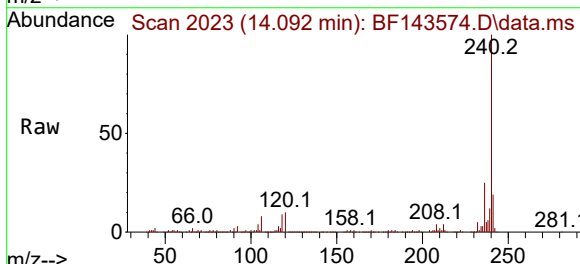
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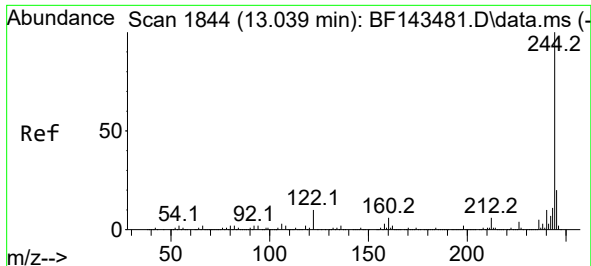
Tgt Ion:167 Resp: 36327
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 14.9 10.0 15.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.092 min Scan# 2023
 Delta R.T. -0.012 min
 Lab File: BF143574.D
 Acq: 22 Aug 2025 15:54

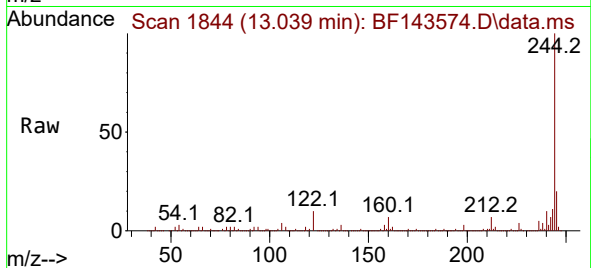
Tgt Ion:240 Resp: 209004
 Ion Ratio Lower Upper
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 120 9.9 8.6 12.8
 236 24.8 20.4 30.6



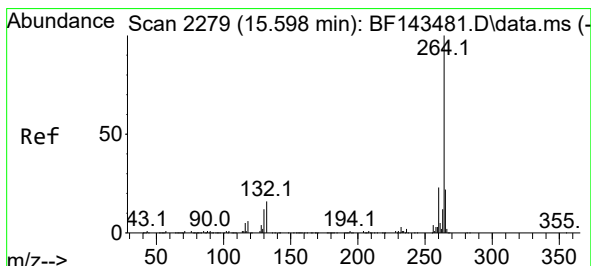
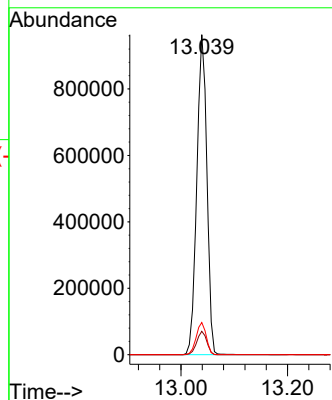
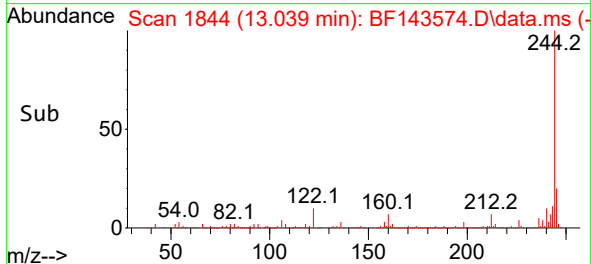


#79
 Terphenyl-d14
 Concen: 105.517 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143574.D
 Acq: 22 Aug 2025 15:54

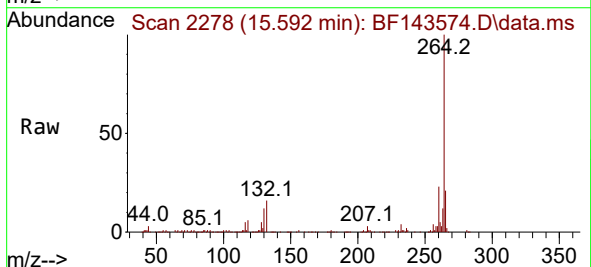
Instrument :
 BNA_F
 ClientSampleId :
 DUP-02-081925



Tgt Ion:244 Resp: 1263786
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.2 7.8
 122 10.1 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: BF143574.D
 Acq: 22 Aug 2025 15:54



Tgt Ion:264 Resp: 198825
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.4 17.6 26.4

