

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143527.D
 Acq On : 21 Aug 2025 13:44
 Operator : RC/JU
 Sample : Q2900-02DL2 100X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MN-12C-081825DL2

Quant Time: Aug 21 14:44:23 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)

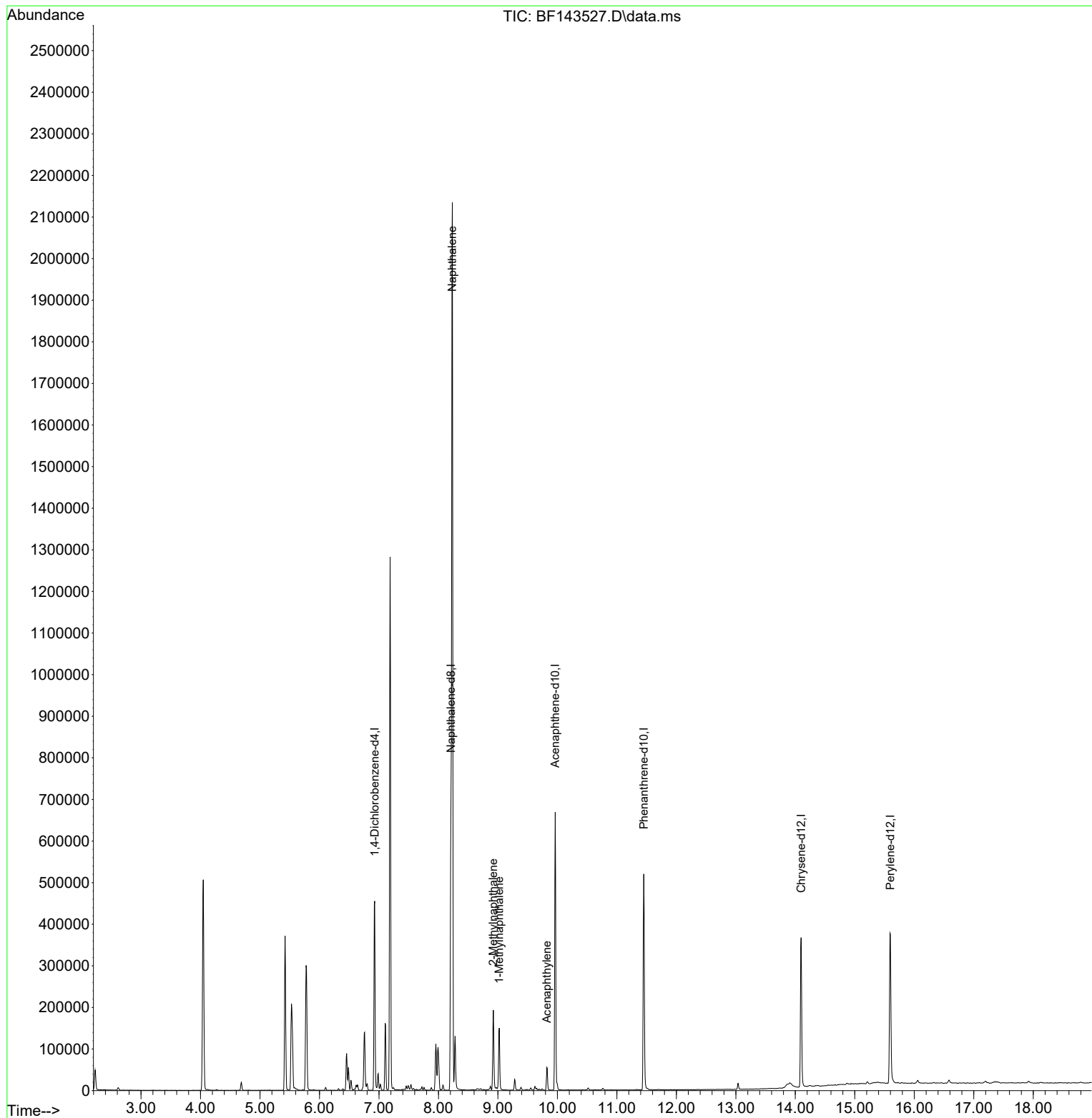
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	101103	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	381650	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	199099	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	282280	20.000	ng	0.00
76) Chrysene-d12	14.098	240	191729	20.000	ng	0.00
86) Perylene-d12	15.598	264	235106	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	2689	0.464	ng	0.02
7) Phenol-d6	6.587	99	3013	0.422	ng	0.01
23) Nitrobenzene-d5	7.492	82	6010	0.919	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	1378	0.744	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	16056	1.333	ng	0.00
79) Terphenyl-d14	13.039	244	10620	0.967	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.234	128	1338027	73.024	ng	99
37) 2-Methylnaphthalene	8.922	142	76664	6.265	ng	98
38) 1-Methylnaphthalene	9.022	142	57405	4.904	ng	99
49) Acenaphthylene	9.822	152	34748	2.189	ng	99

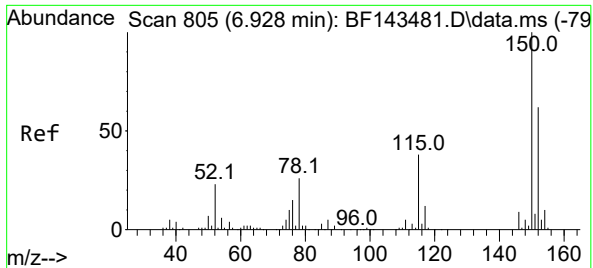
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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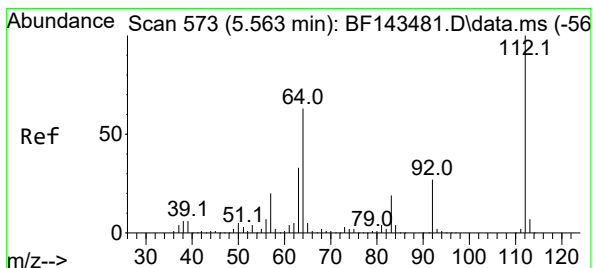
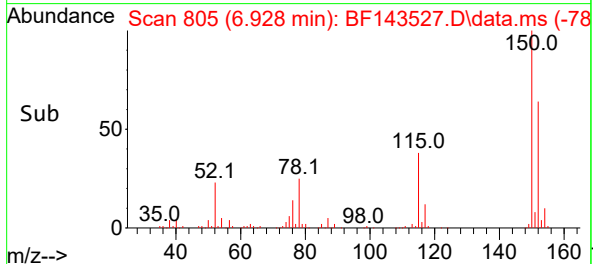
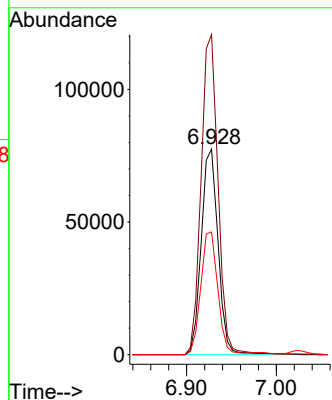
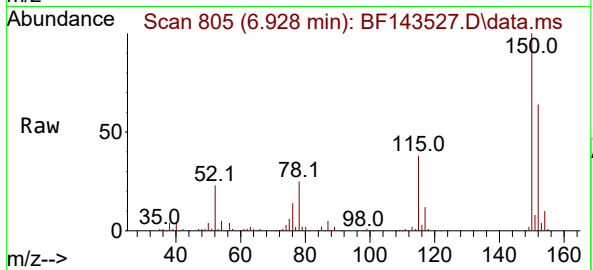




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143527.D
Acq: 21 Aug 2025 13:44

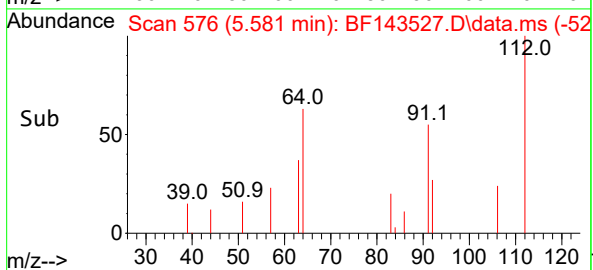
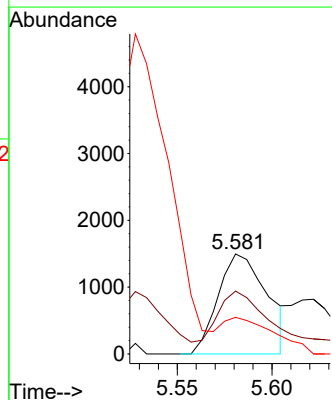
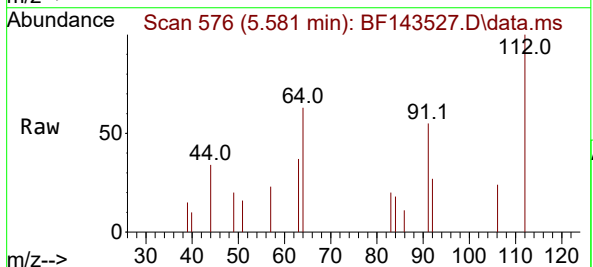
Instrument :
BNA_F
ClientSampleId :
MN-12C-081825DL2

Tgt Ion:152 Resp: 101103
Ion Ratio Lower Upper
152 100
150 155.6 128.9 193.3
115 59.7 49.2 73.8



#5
2-Fluorophenol
Concen: 0.464 ng
RT: 5.581 min Scan# 576
Delta R.T. 0.018 min
Lab File: BF143527.D
Acq: 21 Aug 2025 13:44

Tgt Ion:112 Resp: 2689
Ion Ratio Lower Upper
112 100
64 62.9 50.4 75.6
63 36.7 26.4 39.6

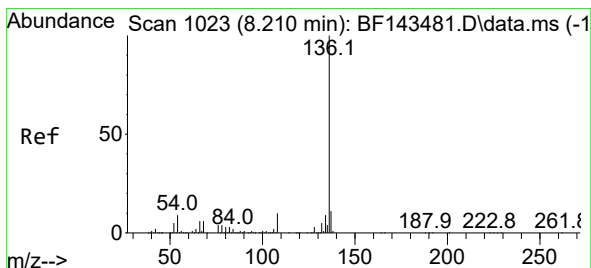
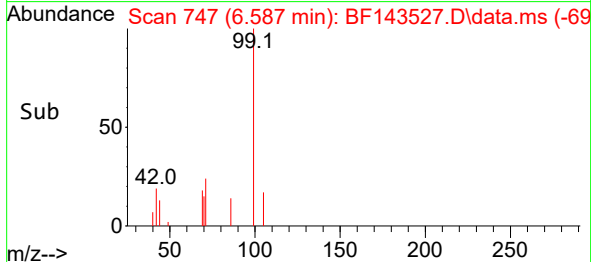
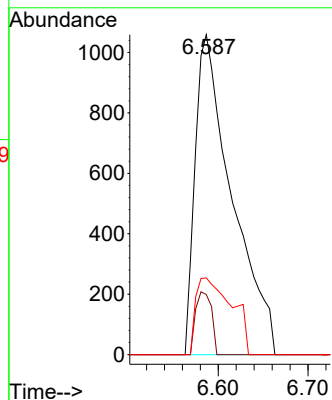
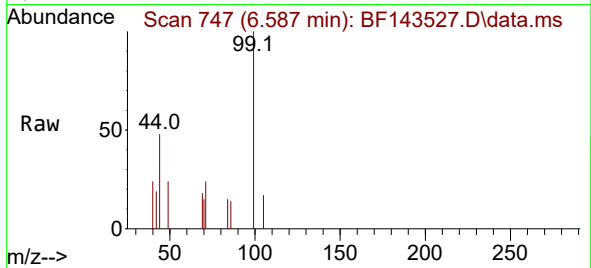




#7
Phenol-d6
Concen: 0.422 ng
RT: 6.587 min Scan# 743
Delta R.T. 0.012 min
Lab File: BF143527.D
Acq: 21 Aug 2025 13:44

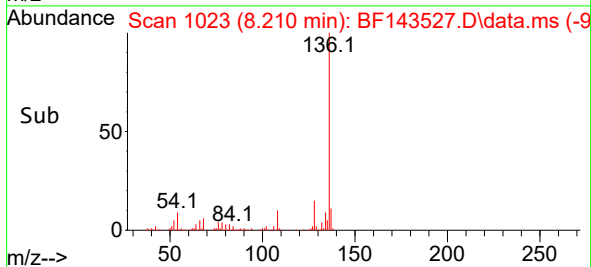
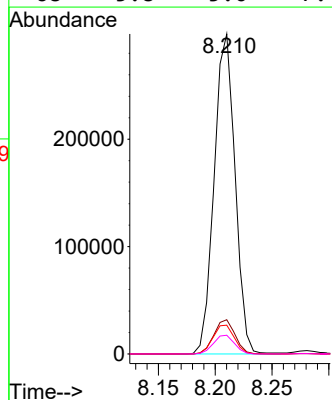
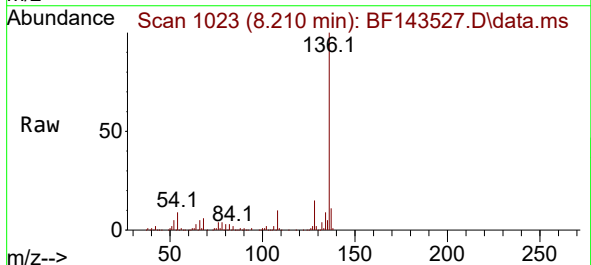
Instrument :
BNA_F
ClientSampleId :
MN-12C-081825DL2

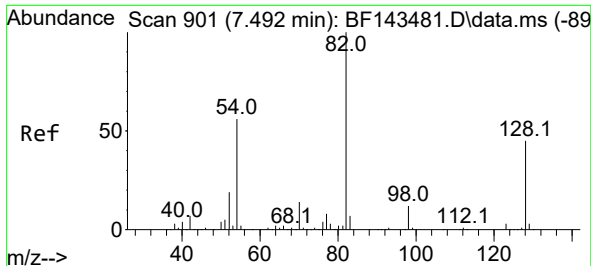
Tgt Ion: 99 Resp: 3013
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 24.0 28.2 42.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143527.D
Acq: 21 Aug 2025 13:44

Tgt Ion: 136 Resp: 381650
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 9.0 7.4 11.2
68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 0.919 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143527.D

Acq: 21 Aug 2025 13:44

Instrument :

BNA_F

ClientSampleId :

MN-12C-081825DL2

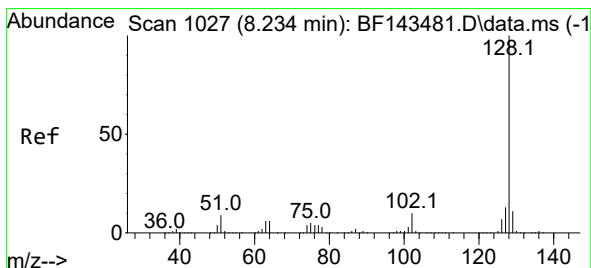
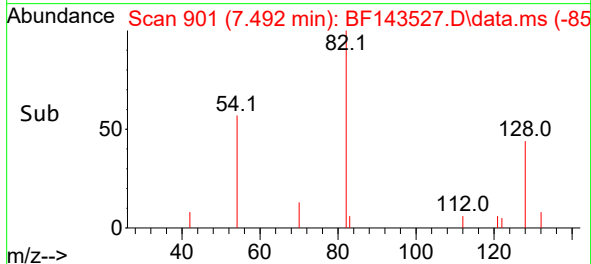
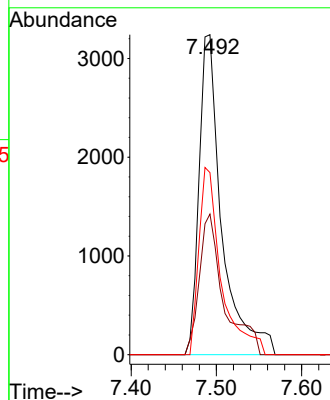
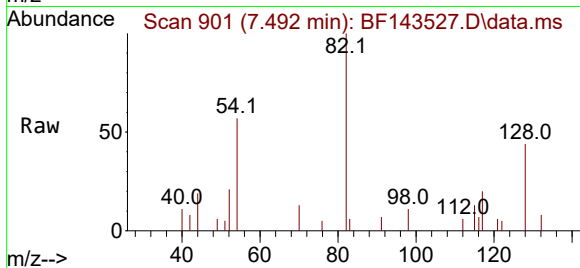
Tgt Ion: 82 Resp: 6010

Ion Ratio Lower Upper

82 100

128 44.0 35.5 53.3

54 56.9 44.3 66.5



#31

Naphthalene

Concen: 73.024 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF143527.D

Acq: 21 Aug 2025 13:44

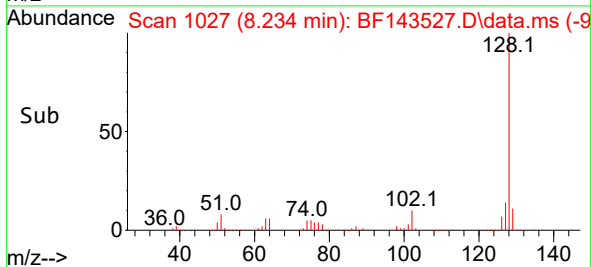
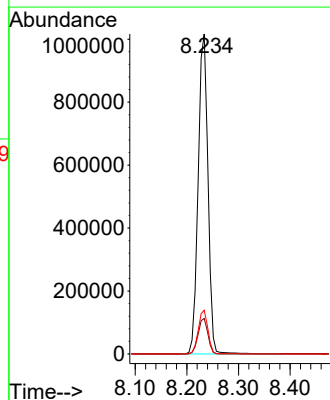
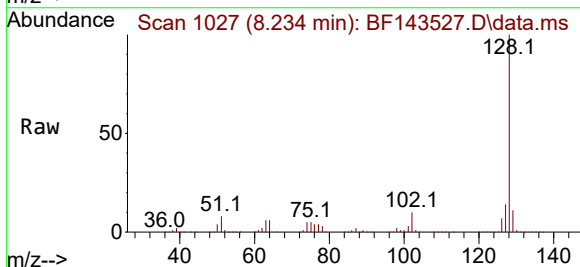
Tgt Ion: 128 Resp: 1338027

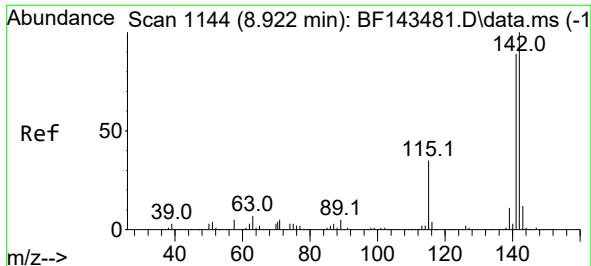
Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.6 10.6 16.0

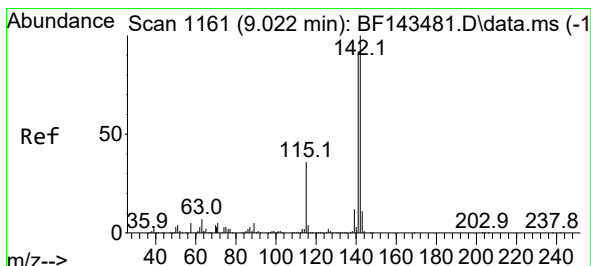
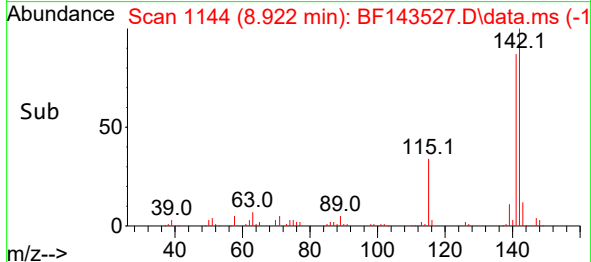
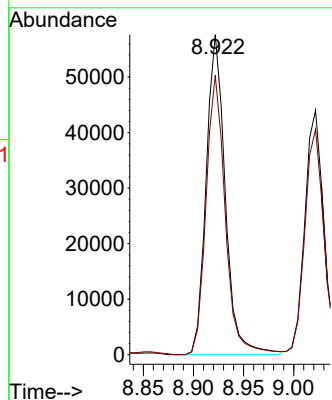
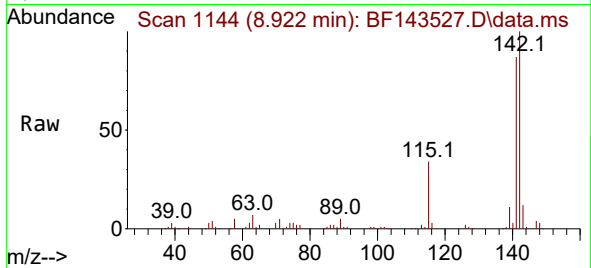




#37
2-Methylnaphthalene
Concen: 6.265 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143527.D
Acq: 21 Aug 2025 13:44

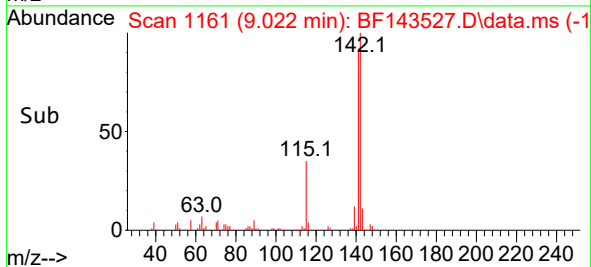
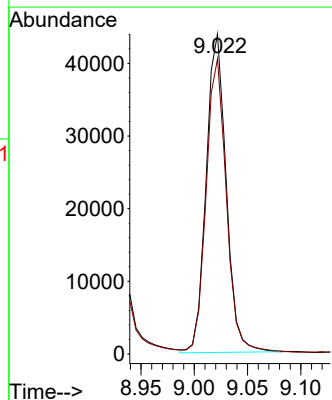
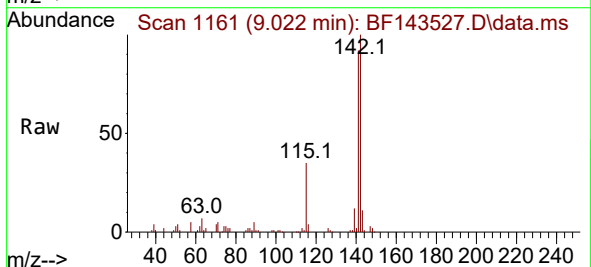
Instrument :
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ClientSampleId :
MN-12C-081825DL2

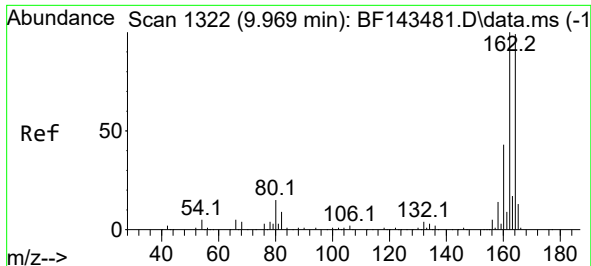
Tgt Ion:142 Resp: 76664
Ion Ratio Lower Upper
142 100
141 87.3 71.0 106.4



#38
1-Methylnaphthalene
Concen: 4.904 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143527.D
Acq: 21 Aug 2025 13:44

Tgt Ion:142 Resp: 57405
Ion Ratio Lower Upper
142 100
141 92.2 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143527.D

Acq: 21 Aug 2025 13:44

Instrument :

BNA_F

ClientSampleId :

MN-12C-081825DL2

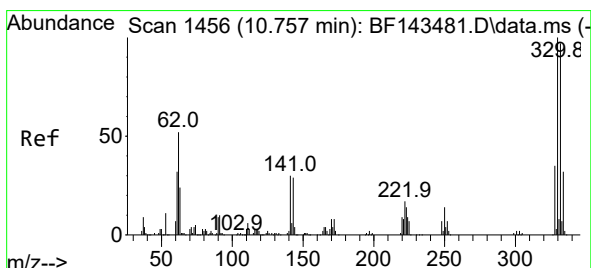
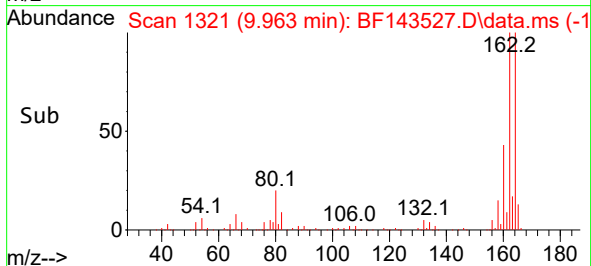
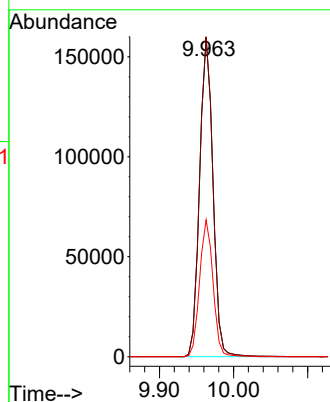
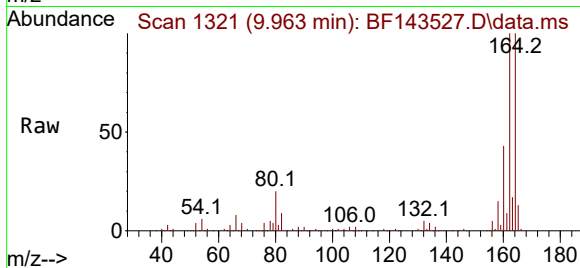
Tgt Ion:164 Resp: 199099

Ion Ratio Lower Upper

164 100

162 100.2 80.5 120.7

160 42.9 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 0.744 ng

RT: 10.763 min Scan# 1457

Delta R.T. -0.000 min

Lab File: BF143527.D

Acq: 21 Aug 2025 13:44

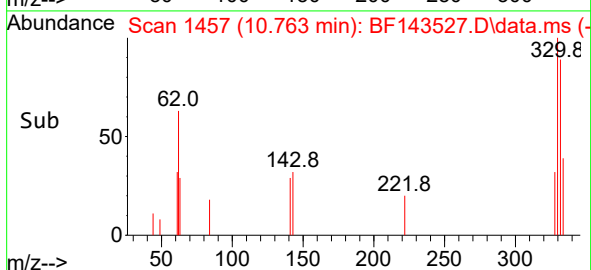
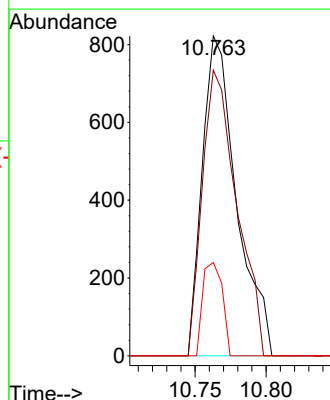
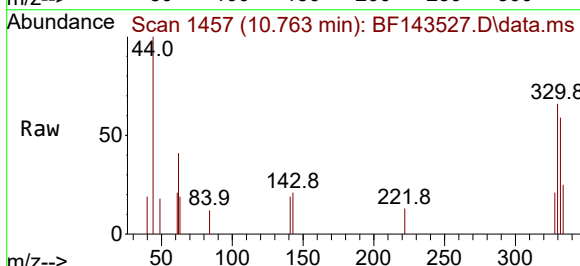
Tgt Ion:330 Resp: 1378

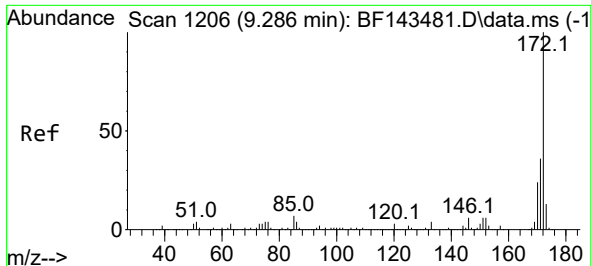
Ion Ratio Lower Upper

330 100

332 89.8 78.0 117.0

141 16.7 23.7 35.5#





#45

2-Fluorobiphenyl

Concen: 1.333 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143527.D

Acq: 21 Aug 2025 13:44

Instrument :

BNA_F

ClientSampleId :

MN-12C-081825DL2

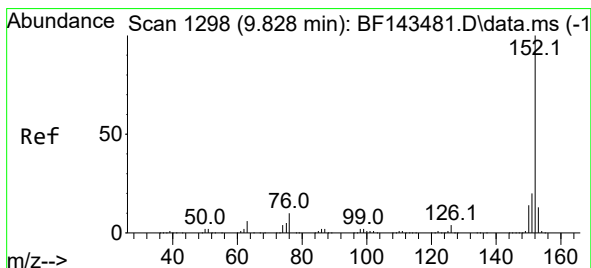
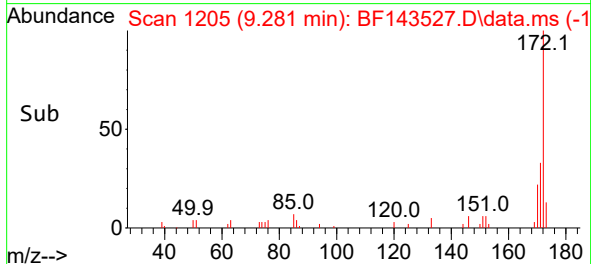
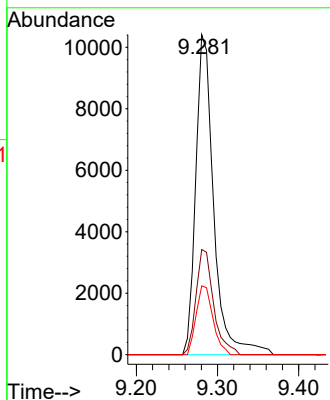
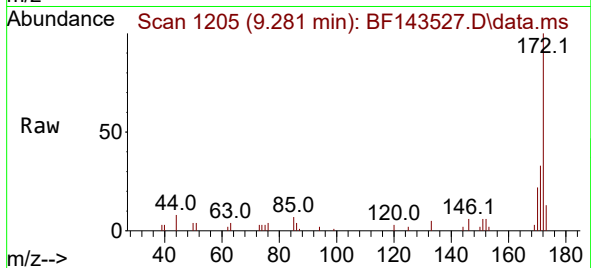
Tgt Ion:172 Resp: 16056

Ion Ratio Lower Upper

172 100

171 32.9 28.8 43.2

170 21.5 18.8 28.2



#49

Acenaphthylene

Concen: 2.189 ng

RT: 9.822 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF143527.D

Acq: 21 Aug 2025 13:44

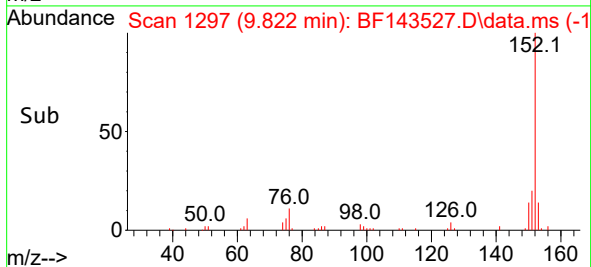
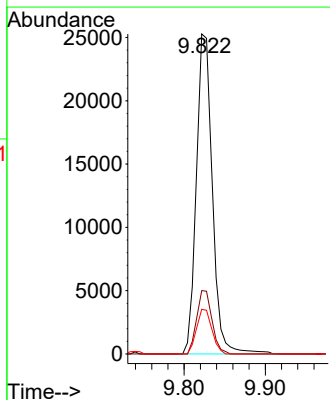
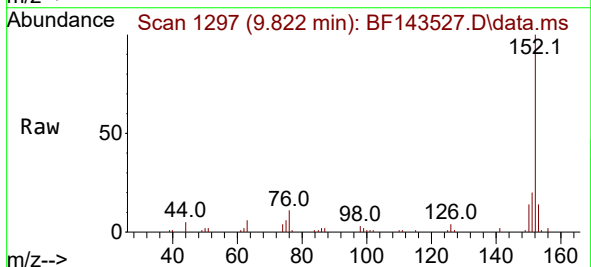
Tgt Ion:152 Resp: 34748

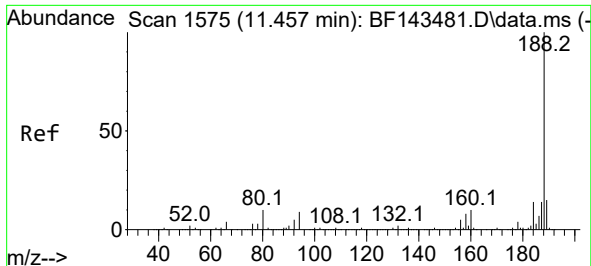
Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

153 14.0 10.6 15.8

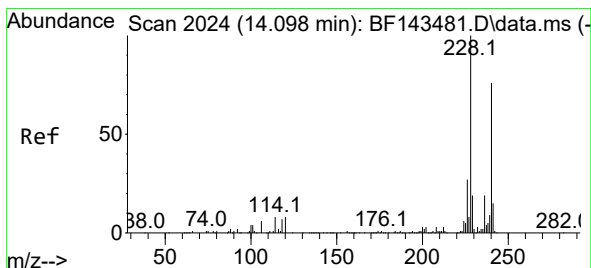
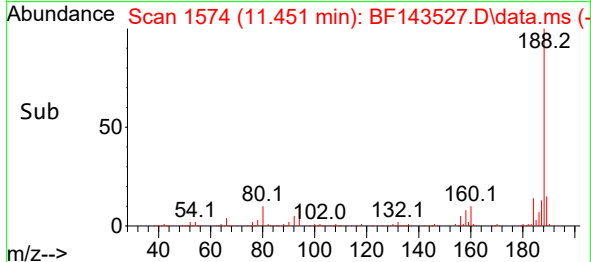
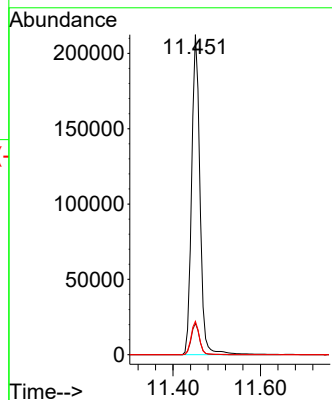
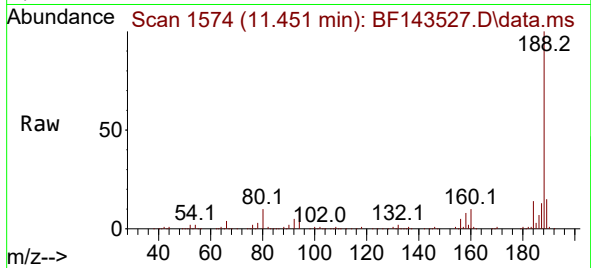




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143527.D
Acq: 21 Aug 2025 13:44

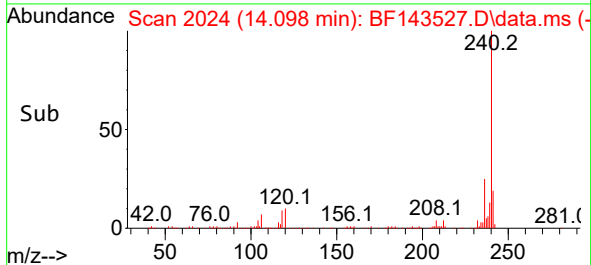
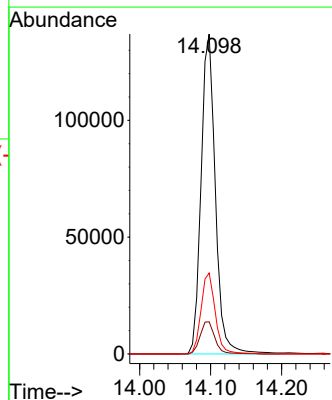
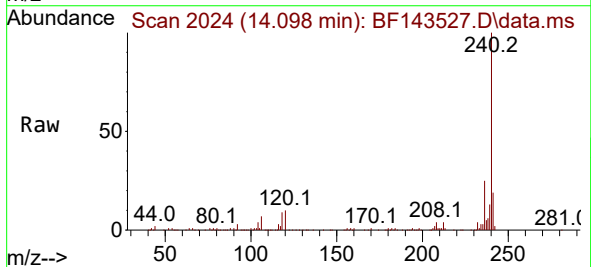
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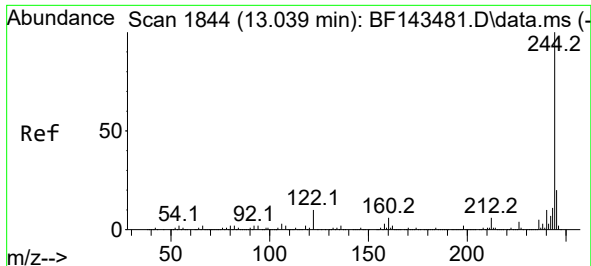
Tgt Ion:188 Resp: 282280
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.4 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143527.D
Acq: 21 Aug 2025 13:44

Tgt Ion:240 Resp: 191729
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 25.3 20.4 30.6

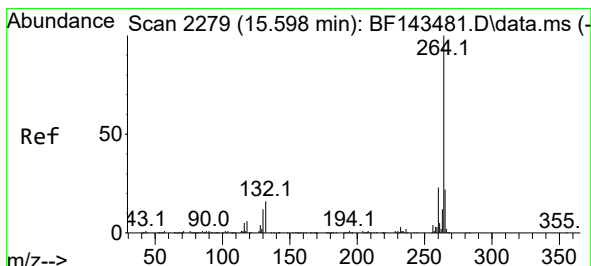
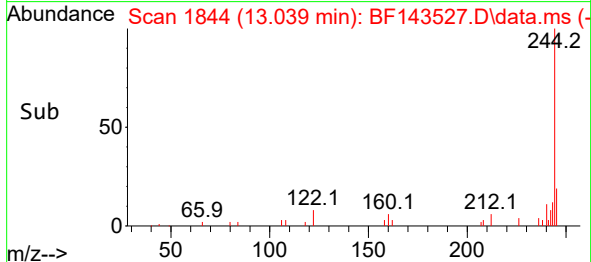
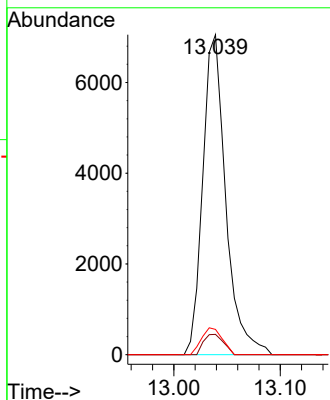
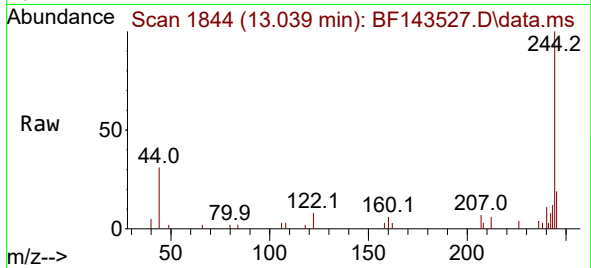




#79
 Terphenyl-d14
 Concen: 0.967 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143527.D
 Acq: 21 Aug 2025 13:44

Instrument :
 BNA_F
 ClientSampleId :
 MN-12C-081825DL2

Tgt Ion:244 Resp: 10620
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 7.9 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.598 min Scan# 2279
 Delta R.T. -0.000 min
 Lab File: BF143527.D
 Acq: 21 Aug 2025 13:44

Tgt Ion:264 Resp: 235106
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 20.6 17.6 26.4

