

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143545.D
 Acq On : 21 Aug 2025 23:25
 Operator : RC/JU
 Sample : Q2903-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925

Quant Time: Aug 22 01:04:49 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)

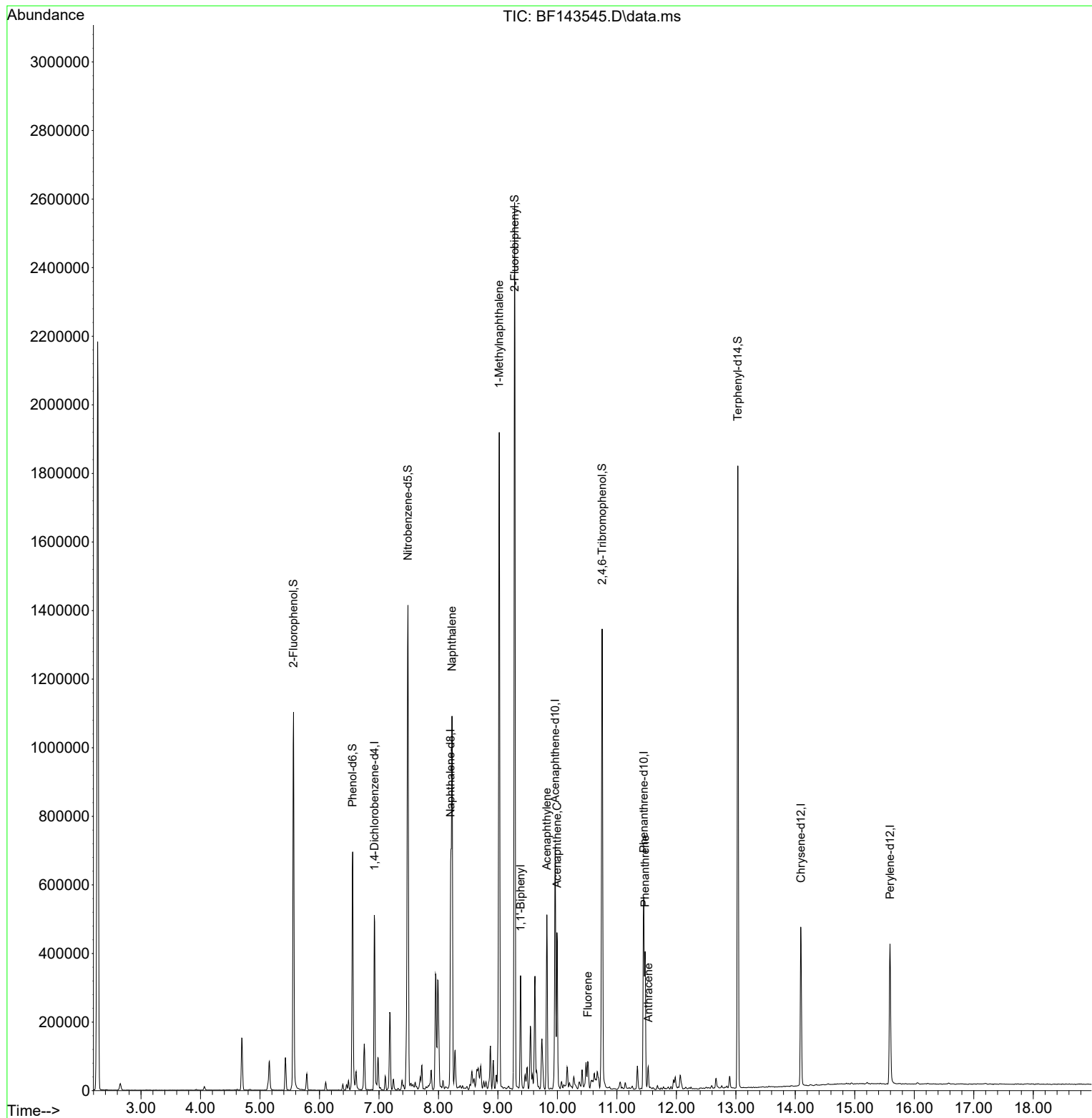
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	109609	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	405255	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	208590	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	282190	20.000	ng	0.00
76) Chrysene-d12	14.092	240	228354	20.000	ng	-0.01
86) Perylene-d12	15.592	264	249919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	402567	64.132	ng	0.00
7) Phenol-d6	6.557	99	324321	41.854	ng	-0.02
23) Nitrobenzene-d5	7.487	82	650402	93.655	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	238210	122.683	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	1120469	88.776	ng	0.00
79) Terphenyl-d14	13.033	244	871224	66.577	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.228	128	636588	32.719	ng	100
38) 1-Methylnaphthalene	9.022	142	704428	56.672	ng	100
46) 1,1'-Biphenyl	9.381	154	140320	9.478	ng	100
49) Acenaphthylene	9.822	152	236862	14.240	ng	98
52) Acenaphthene	9.992	154	132034	11.691	ng	97
58) Fluorene	10.510	166	31272	2.524	ng	93
71) Phenanthrene	11.475	178	206784	13.684	ng	99
72) Anthracene	11.527	178	39349	2.570	ng	99

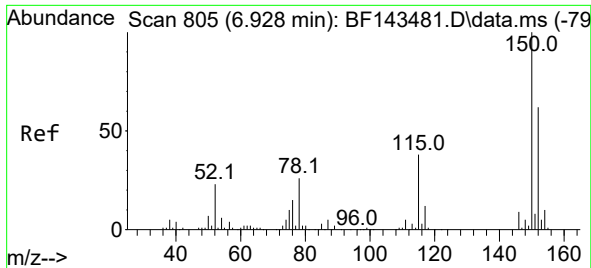
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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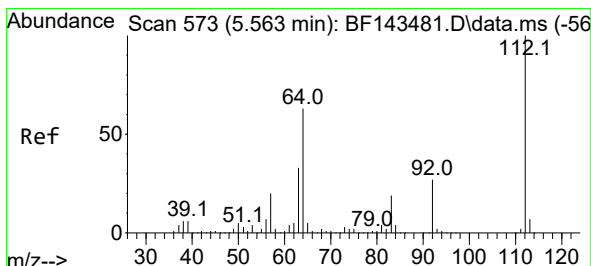
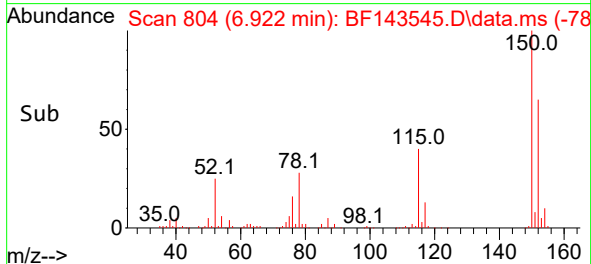
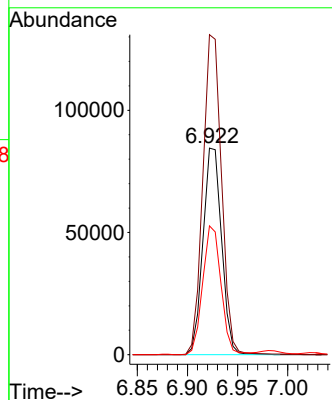
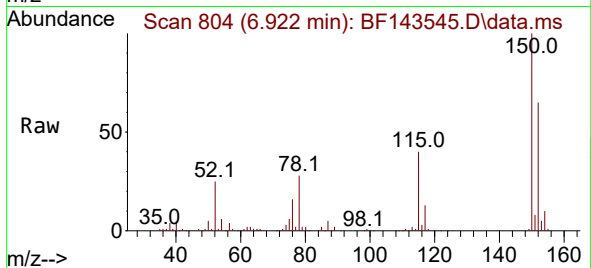




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.922 min Scan# 805
 Delta R.T. -0.006 min
 Lab File: BF143545.D
 Acq: 21 Aug 2025 23:25

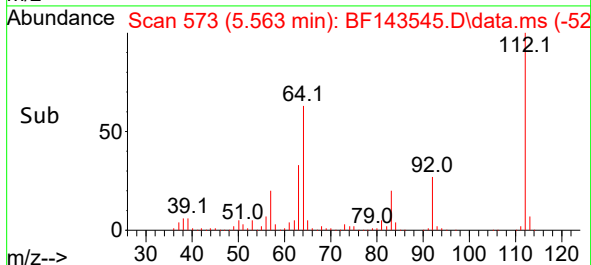
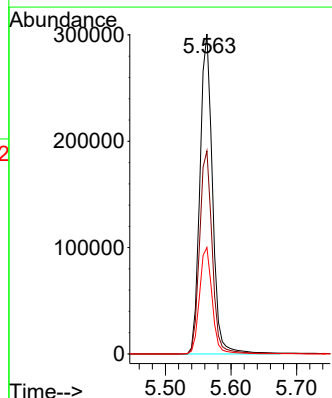
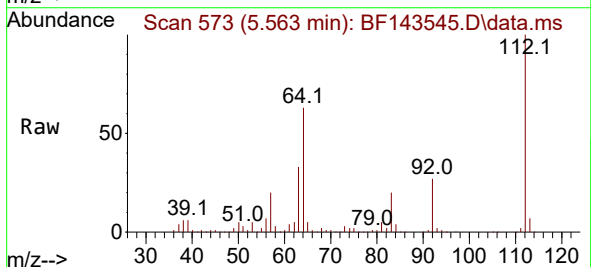
Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925

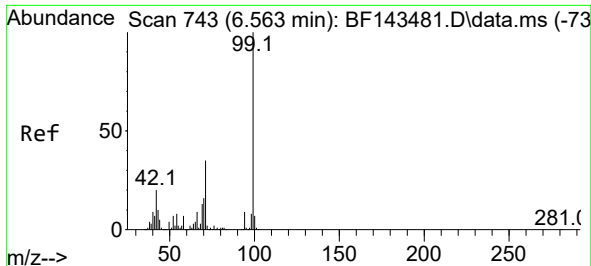
Tgt Ion:152 Resp: 109609
 Ion Ratio Lower Upper
 152 100
 150 154.9 128.9 193.3
 115 62.4 49.2 73.8



#5
 2-Fluorophenol
 Concen: 64.132 ng
 RT: 5.563 min Scan# 573
 Delta R.T. -0.000 min
 Lab File: BF143545.D
 Acq: 21 Aug 2025 23:25

Tgt Ion:112 Resp: 402567
 Ion Ratio Lower Upper
 112 100
 64 63.4 50.4 75.6
 63 33.3 26.4 39.6

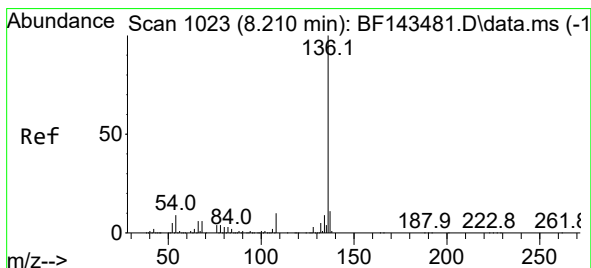
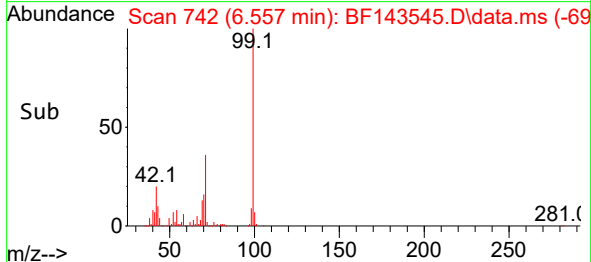
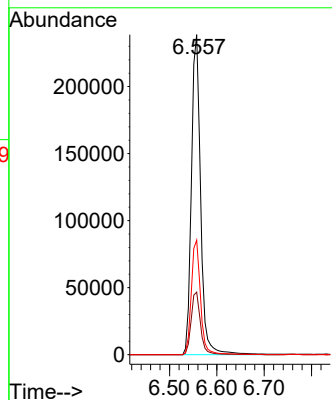
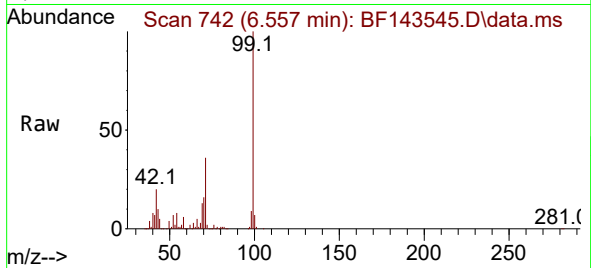




#7
Phenol-d6
Concen: 41.854 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143545.D
Acq: 21 Aug 2025 23:25

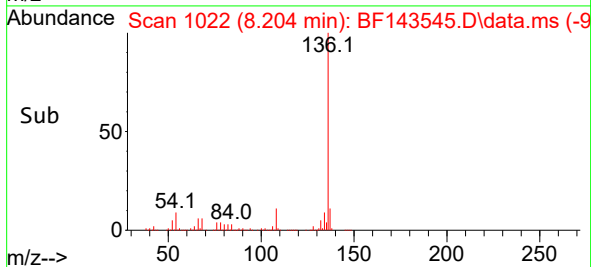
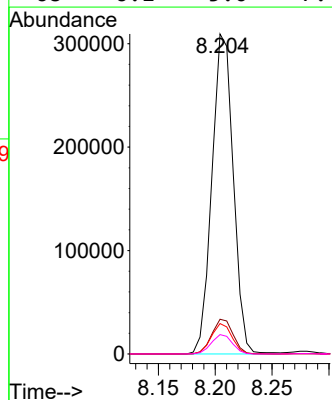
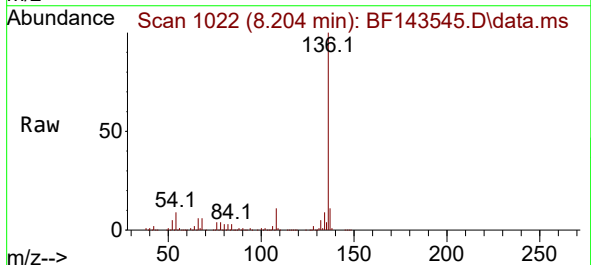
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

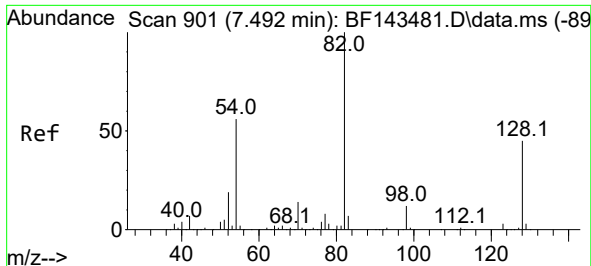
Tgt Ion: 99 Resp: 324321
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 35.8 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143545.D
Acq: 21 Aug 2025 23:25

Tgt Ion: 136 Resp: 405255
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.5 7.4 11.2
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 93.655 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143545.D

Acq: 21 Aug 2025 23:25

Instrument :

BNA_F

ClientSampleId :

MW-1C-081925

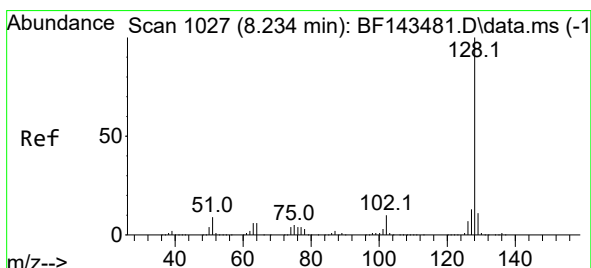
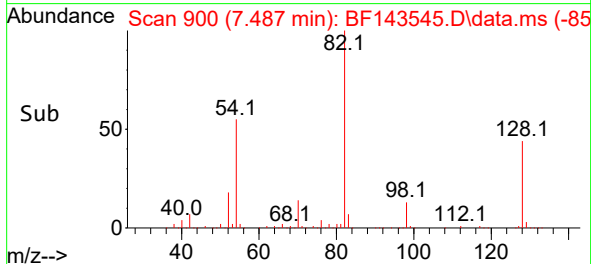
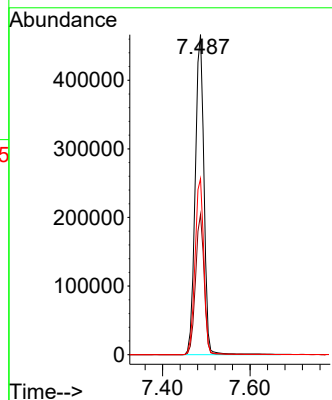
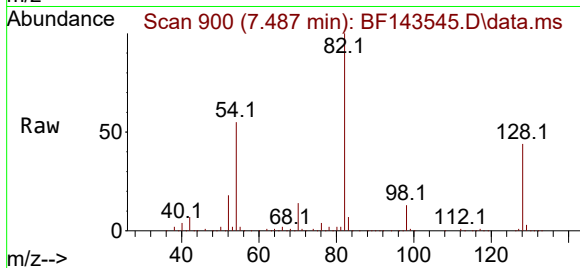
Tgt Ion: 82 Resp: 650402

Ion Ratio Lower Upper

82 100

128 43.8 35.5 53.3

54 55.0 44.3 66.5



#31

Naphthalene

Concen: 32.719 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143545.D

Acq: 21 Aug 2025 23:25

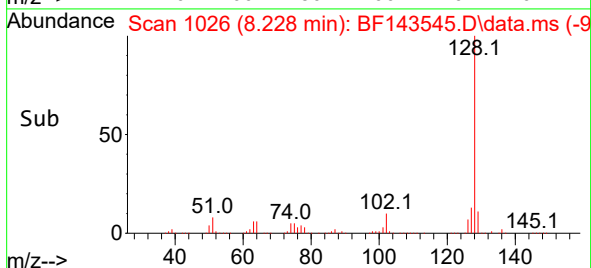
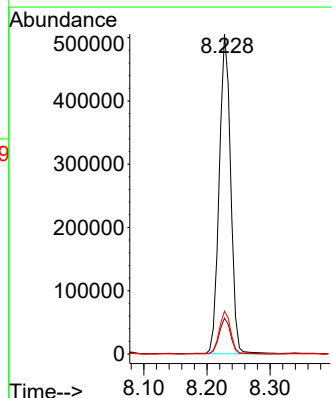
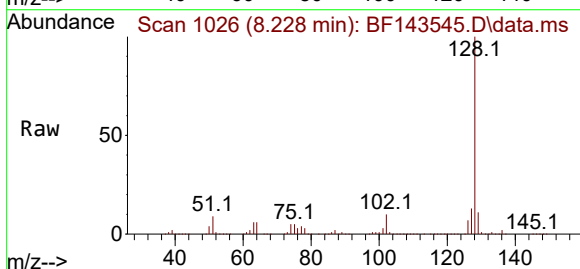
Tgt Ion:128 Resp: 636588

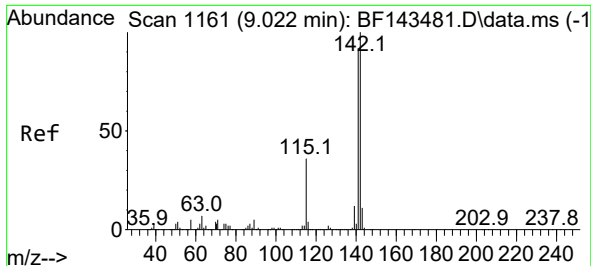
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.4 10.6 16.0

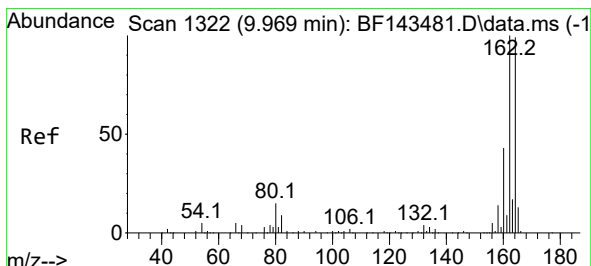
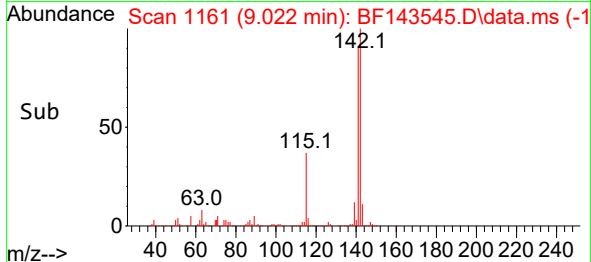
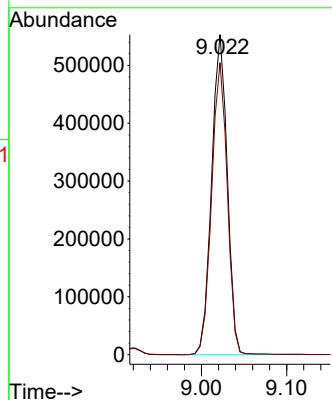
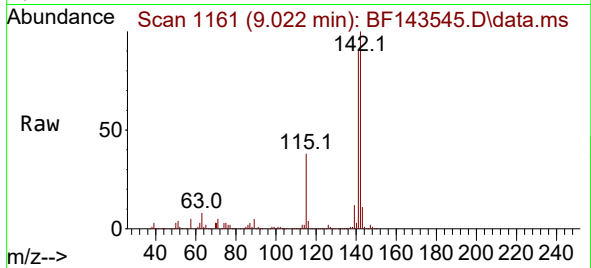




#38
1-Methylnaphthalene
Concen: 56.672 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143545.D
Acq: 21 Aug 2025 23:25

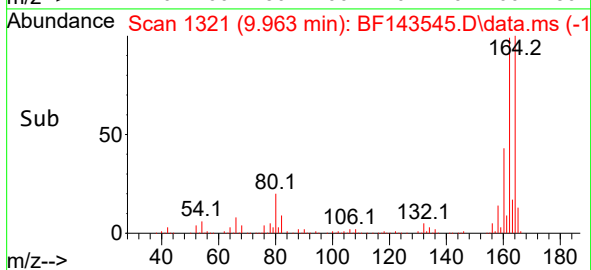
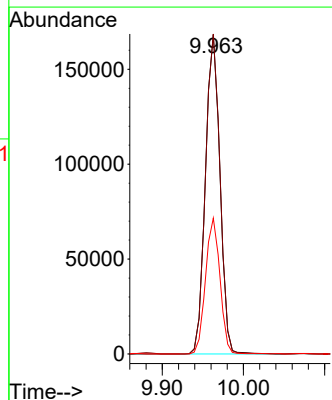
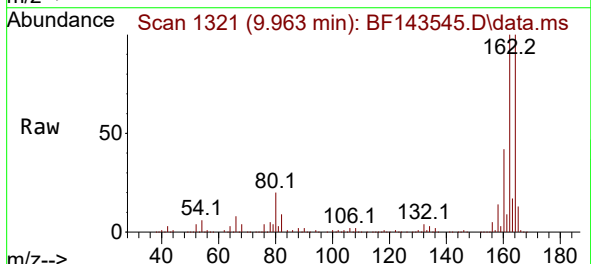
Instrument :
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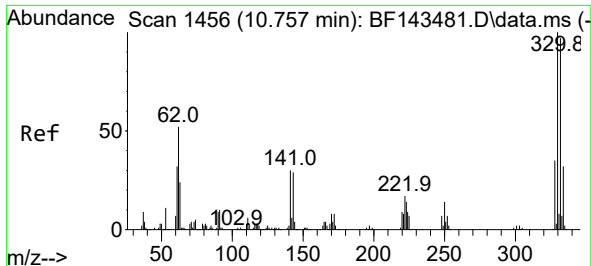
Tgt Ion:142 Resp: 704428
Ion Ratio Lower Upper
142 100
141 91.2 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143545.D
Acq: 21 Aug 2025 23:25

Tgt Ion:164 Resp: 208590
Ion Ratio Lower Upper
164 100
162 100.2 80.5 120.7
160 42.6 34.3 51.5

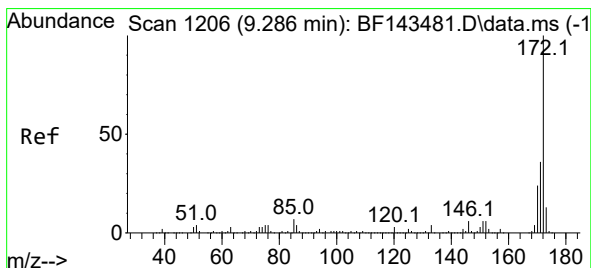
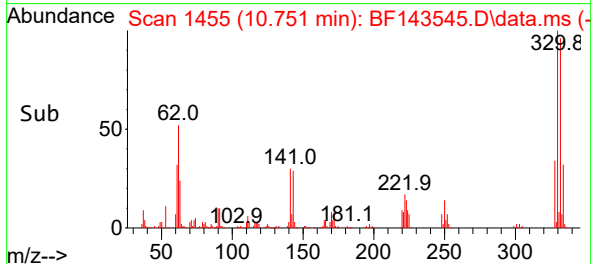
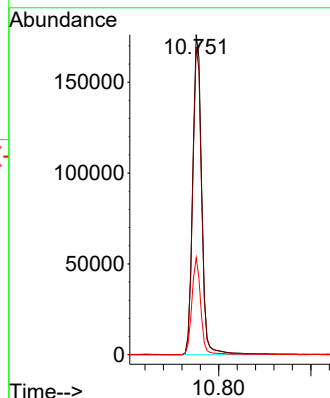
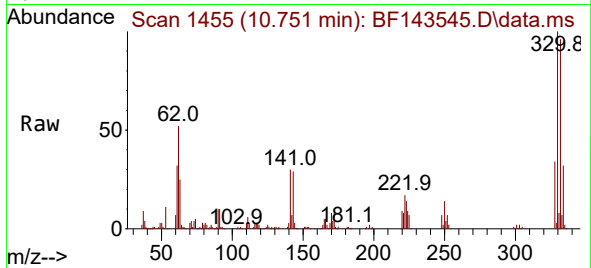




#42
 2,4,6-Tribromophenol
 Concen: 122.683 ng
 RT: 10.751 min Scan# 1455
 Delta R.T. -0.012 min
 Lab File: BF143545.D
 Acq: 21 Aug 2025 23:25

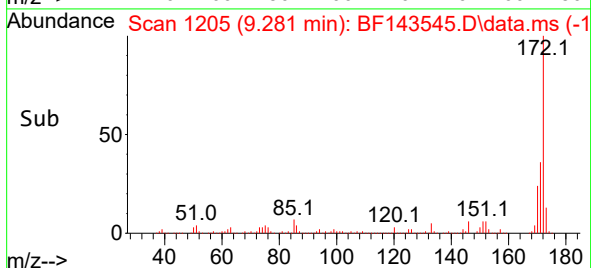
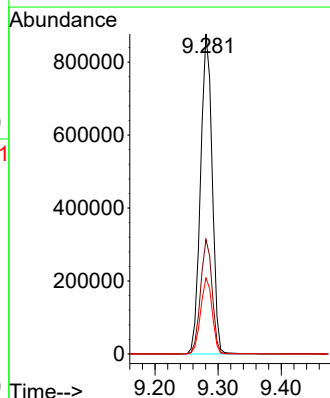
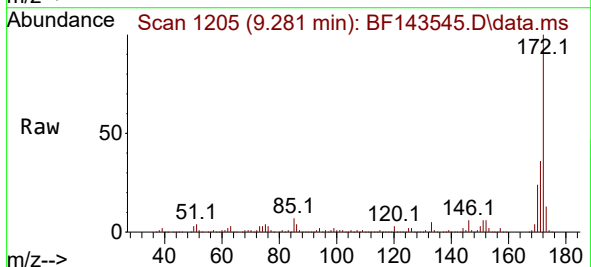
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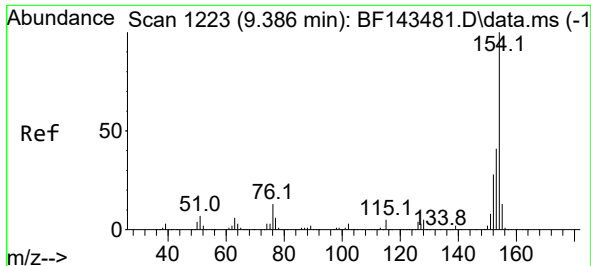
Tgt Ion:330 Resp: 238210
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.0 117.0
 141 29.7 23.7 35.5



#45
 2-Fluorobiphenyl
 Concen: 88.776 ng
 RT: 9.281 min Scan# 1205
 Delta R.T. -0.006 min
 Lab File: BF143545.D
 Acq: 21 Aug 2025 23:25

Tgt Ion:172 Resp: 1120469
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.8 43.2
 170 23.7 18.8 28.2





#46

1,1'-Biphenyl

Concen: 9.478 ng

RT: 9.381 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143545.D

Acq: 21 Aug 2025 23:25

Instrument :

BNA_F

ClientSampleId :

MW-1C-081925

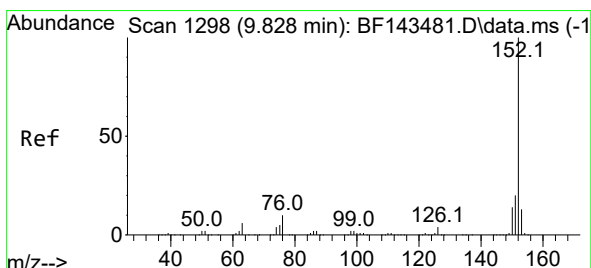
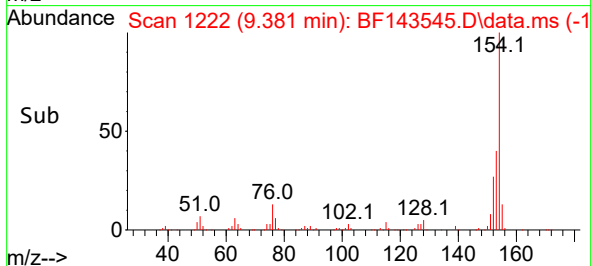
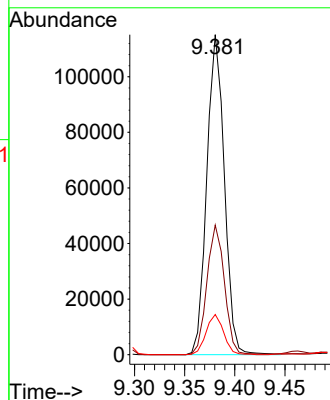
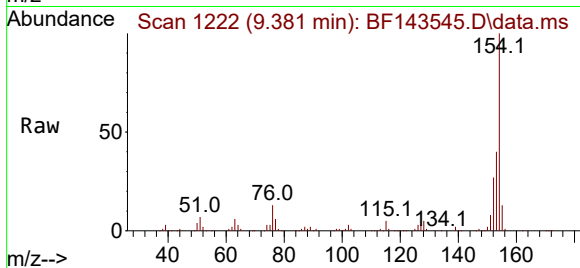
Tgt Ion:154 Resp: 140320

Ion Ratio Lower Upper

154 100

153 40.5 20.6 60.6

76 12.5 0.0 33.0



#49

Acenaphthylene

Concen: 14.240 ng

RT: 9.822 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF143545.D

Acq: 21 Aug 2025 23:25

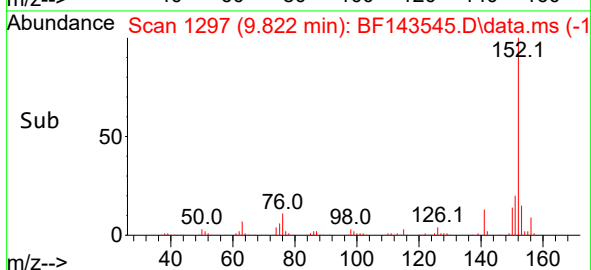
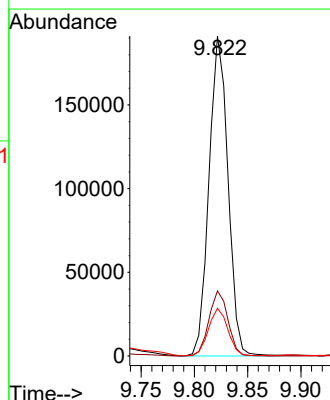
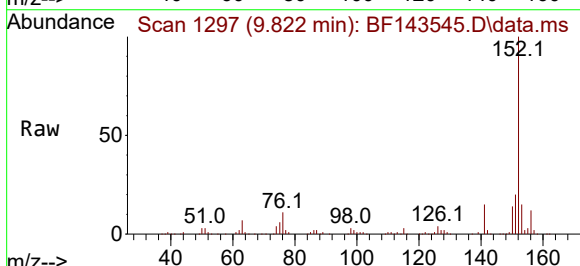
Tgt Ion:152 Resp: 236862

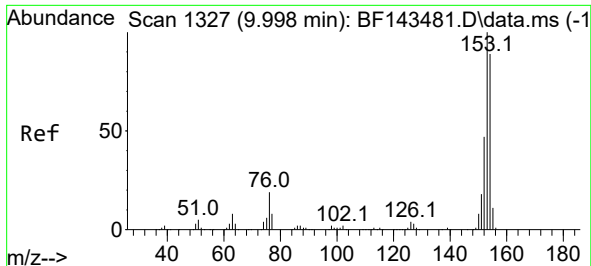
Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

153 14.9 10.6 15.8

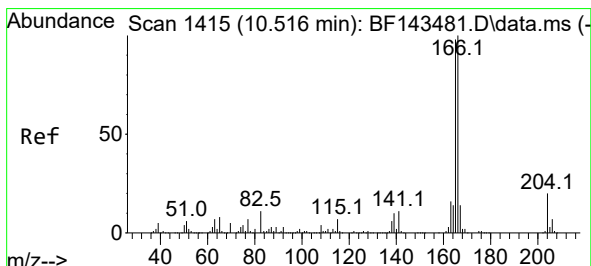
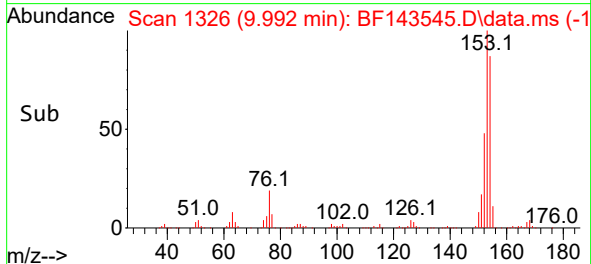
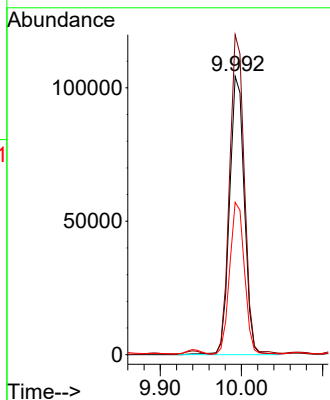
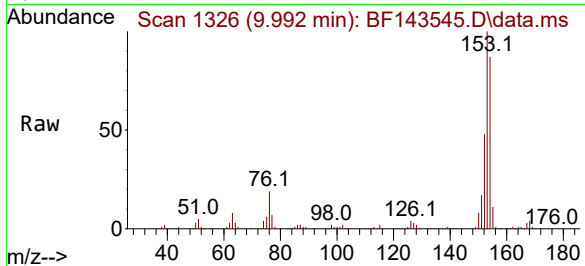




#52
Acenaphthene
Concen: 11.691 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143545.D
Acq: 21 Aug 2025 23:25

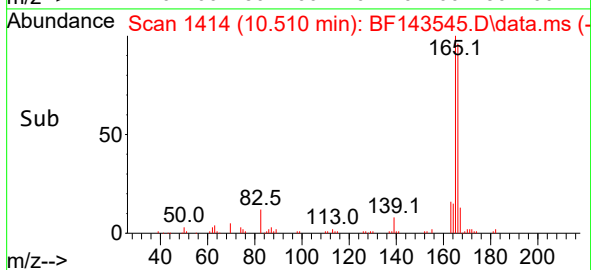
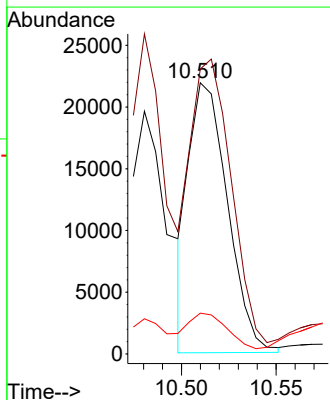
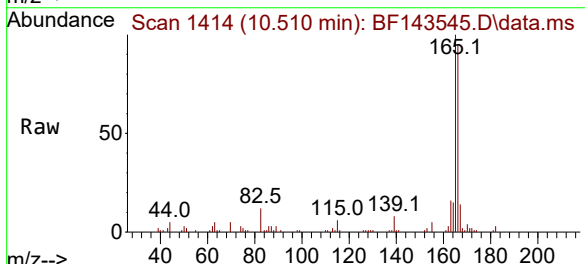
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MW-1C-081925

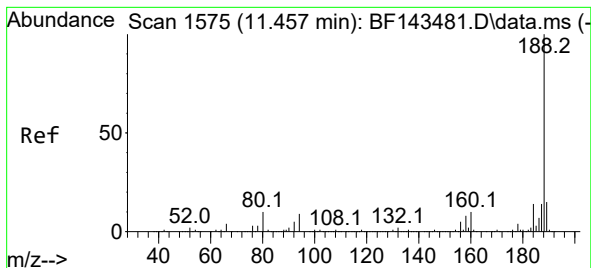
Tgt Ion:154 Resp: 132034
Ion Ratio Lower Upper
154 100
153 115.0 89.5 134.3
152 54.7 42.5 63.7



#58
Fluorene
Concen: 2.524 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143545.D
Acq: 21 Aug 2025 23:25

Tgt Ion:166 Resp: 31272
Ion Ratio Lower Upper
166 100
165 105.1 78.3 117.5
167 15.0 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143545.D

Acq: 21 Aug 2025 23:25

Instrument :

BNA_F

ClientSampleId :

MW-1C-081925

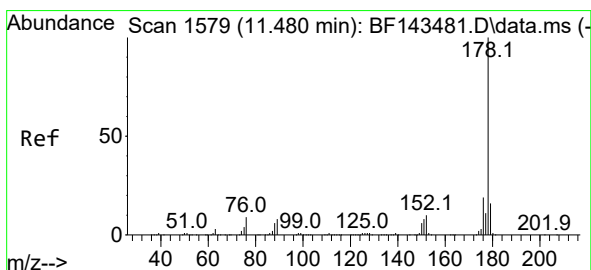
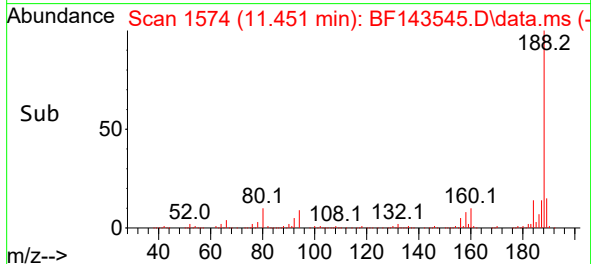
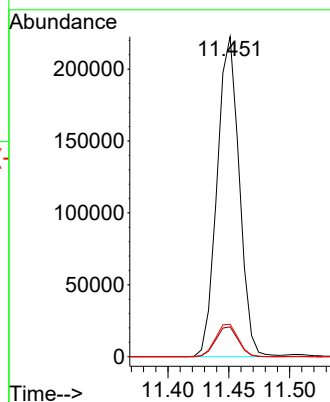
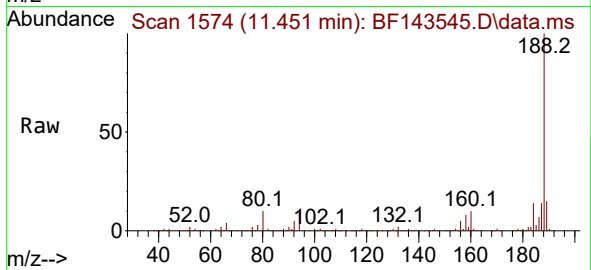
Tgt Ion:188 Resp: 282190

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.2 8.2 12.4



#71

Phenanthrene

Concen: 13.684 ng

RT: 11.475 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF143545.D

Acq: 21 Aug 2025 23:25

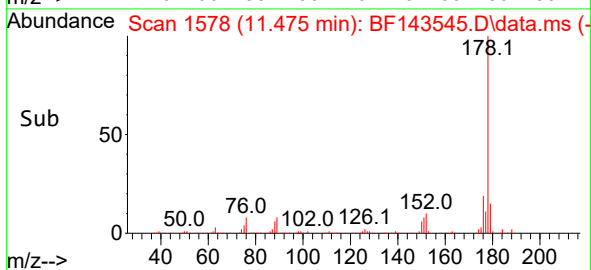
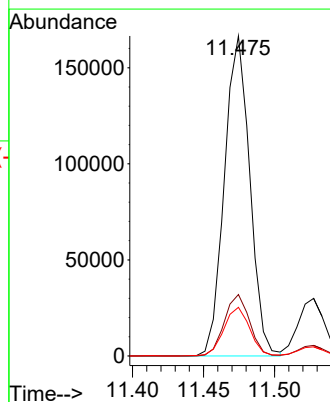
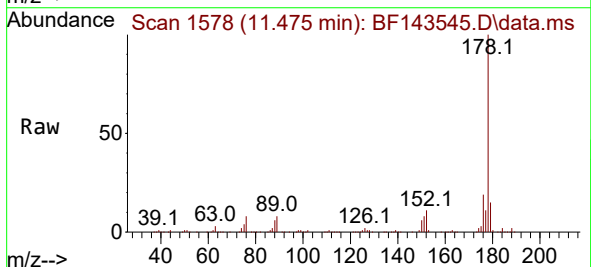
Tgt Ion:178 Resp: 206784

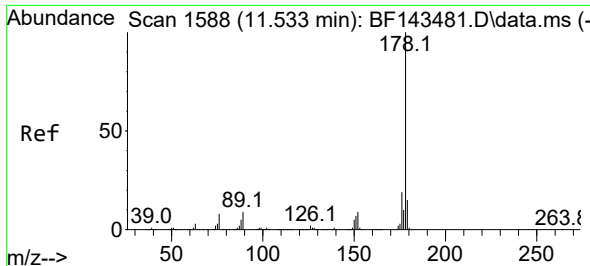
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.2 12.5 18.7

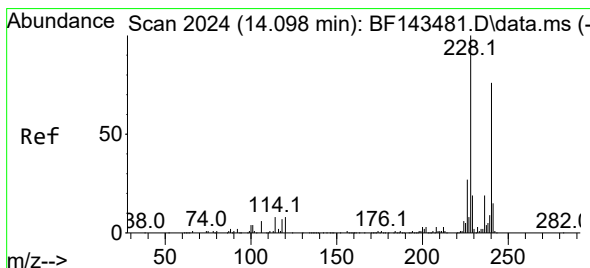
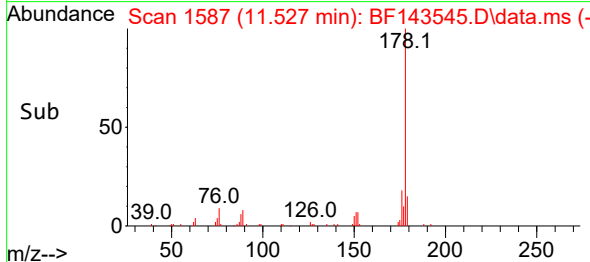
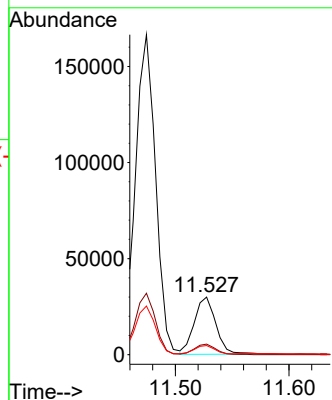
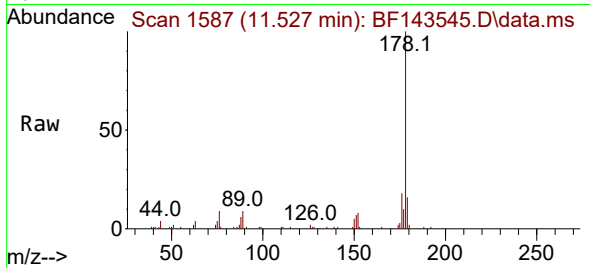




#72
 Anthracene
 Concen: 2.570 ng
 RT: 11.527 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143545.D
 Acq: 21 Aug 2025 23:25

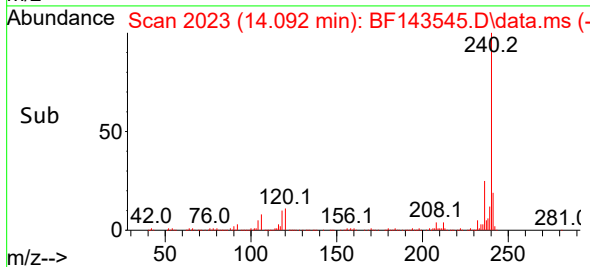
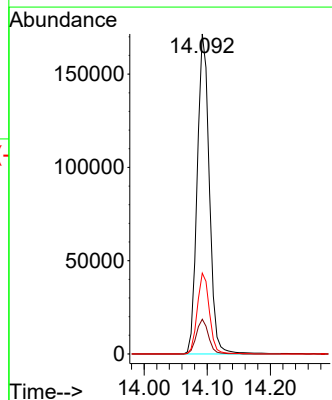
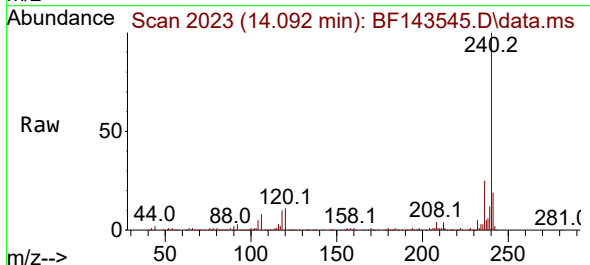
Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925

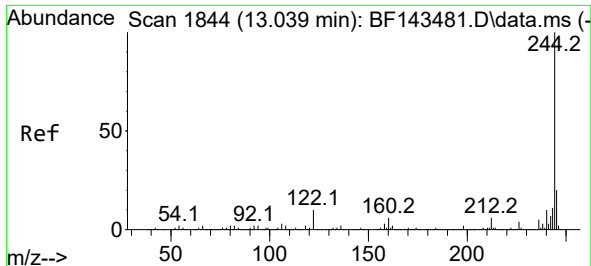
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.8	12.3	18.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.092 min Scan# 2023
 Delta R.T. -0.012 min
 Lab File: BF143545.D
 Acq: 21 Aug 2025 23:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.6	12.8
236	25.2	20.4	30.6

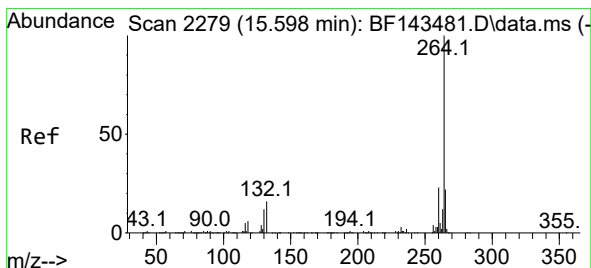
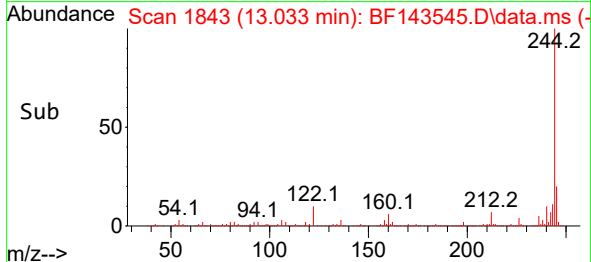
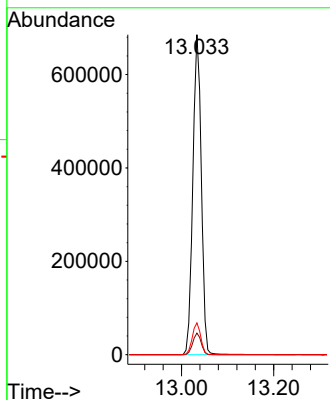
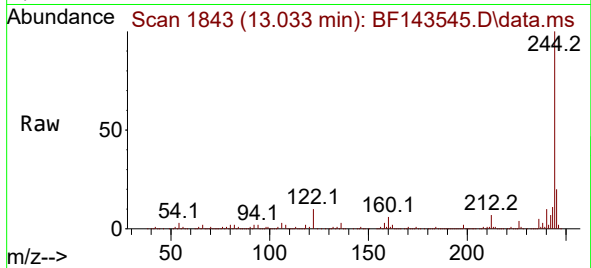




#79
 Terphenyl-d14
 Concen: 66.577 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143545.D
 Acq: 21 Aug 2025 23:25

Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925

Tgt Ion:244 Resp: 871224
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 9.9 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: BF143545.D
 Acq: 21 Aug 2025 23:25

Tgt Ion:264 Resp: 249919
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 22.0 17.6 26.4

