

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143512.D
 Acq On : 21 Aug 2025 04:49
 Operator : RC/JU
 Sample : Q2900-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-081825

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

Quant Time: Aug 21 07:06:22 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	6.940	152	127848	20.000	ng	0.01
21) Naphthalene-d8	8.228	136	161605	20.000	ng	0.02
39) Acenaphthene-d10	9.963	164	252028	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	378389	20.000	ng	0.00
76) Chrysene-d12	14.092	240	228850	20.000	ng	-0.01
86) Perylene-d12	15.592	264	280609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	217087	29.650	ng	0.01
7) Phenol-d6	6.569	99	360493	39.886	ng	0.00
23) Nitrobenzene-d5	7.498	82	714468	257.991	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	309927	132.108	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1216462	79.769	ng	0.00
79) Terphenyl-d14	13.033	244	1084386	82.687	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.339	128	30674528	3953.586	ng	# 92
37) 2-Methylnaphthalene	8.945	142	4359971	841.385	ng	99
38) 1-Methylnaphthalene	9.051	142	3563123	718.844	ng	99
46) 1,1'-Biphenyl	9.386	154	512257	28.636	ng	100
49) Acenaphthylene	9.834	152	3111758	154.837	ng	97
52) Acenaphthene	9.998	154	367277	26.916	ng	98
55) Dibenzofuran	10.169	168	79131	4.068	ng	98
58) Fluorene	10.510	166	360796m	24.097	ng	
71) Phenanthrene	11.475	178	261150	12.888	ng	100
73) Carbazole	11.680	167	229495	13.644	ng	99

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

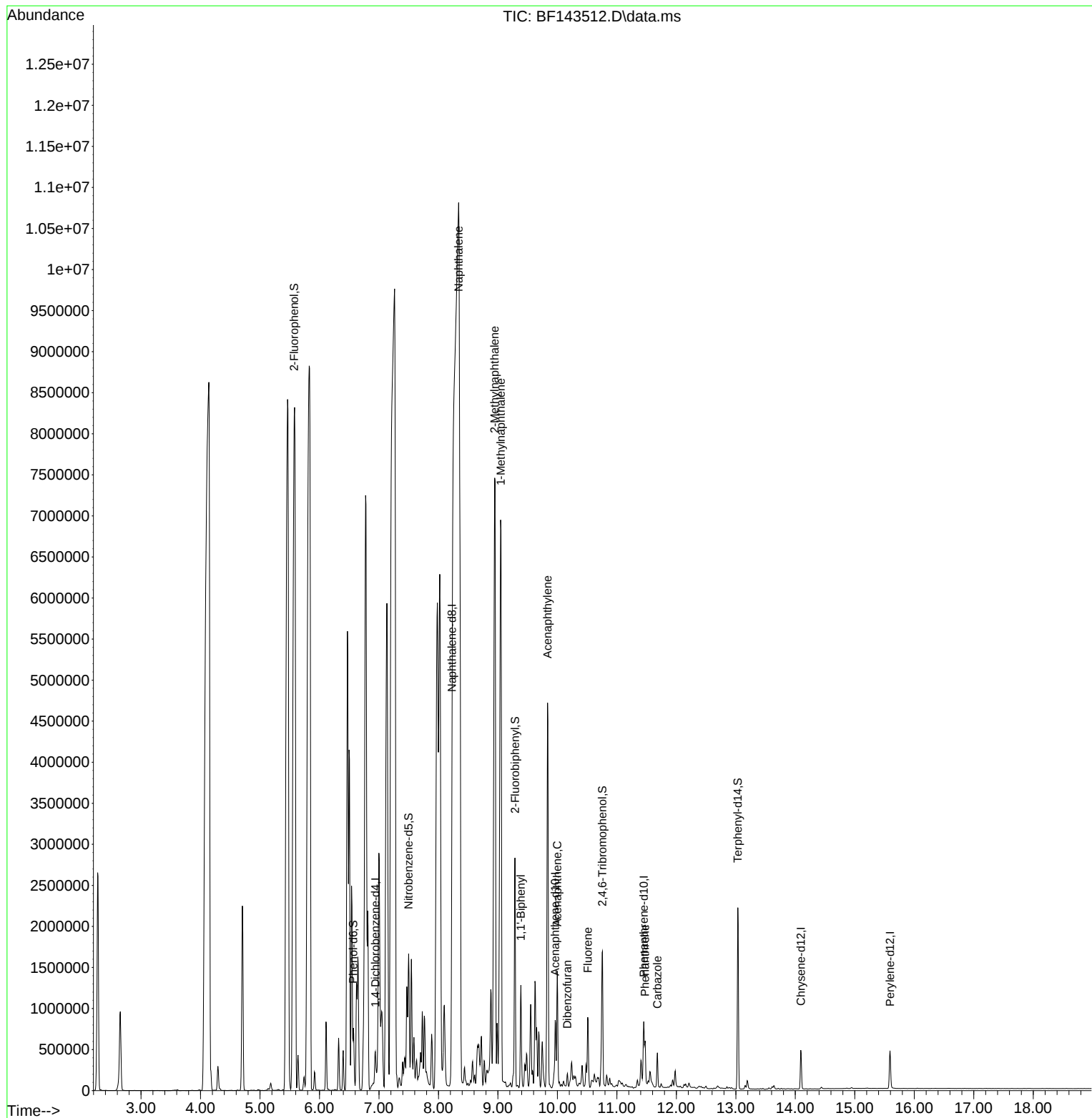
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143512.D
Acq On : 21 Aug 2025 04:49
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Sample : Q2900-03
Misc :
ALS Vial : 36 Sample Multiplier: 1

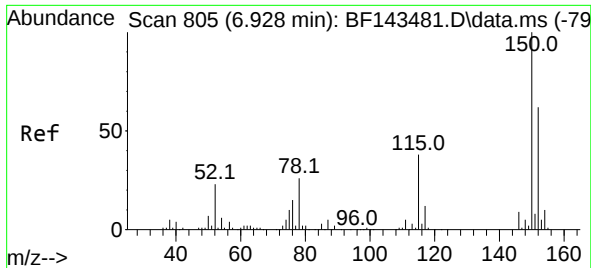
Instrument :
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DUP-01-081825

Quant Time: Aug 21 07:06:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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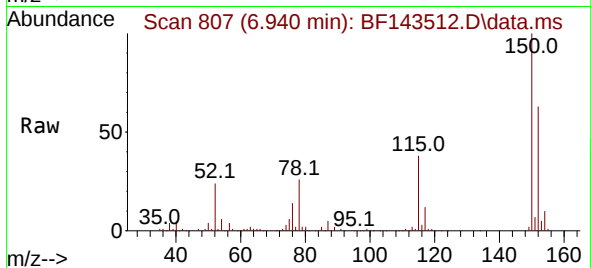
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Supervised By :Jagrut Upadhyay 08/21/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 805
Delta R.T. 0.012 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

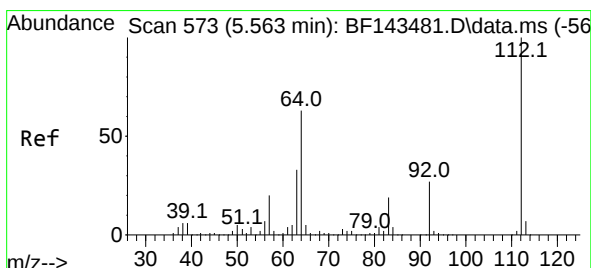
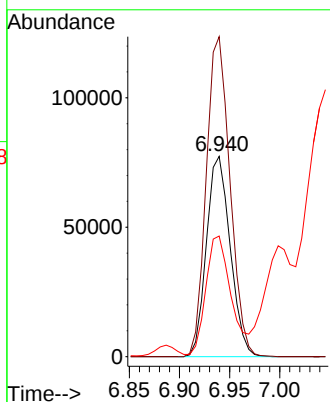
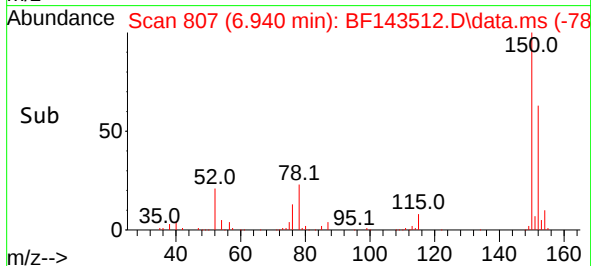
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825



Tgt Ion:152 Resp: 127848
Ion Ratio Lower Upper
152 100
150 159.7 128.9 193.3
115 60.2 49.2 73.8

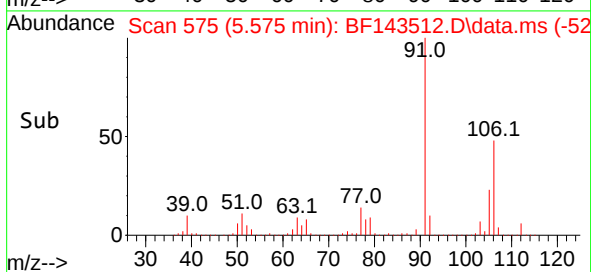
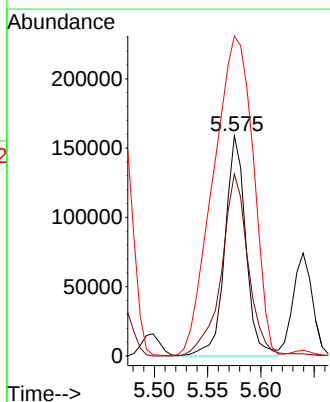
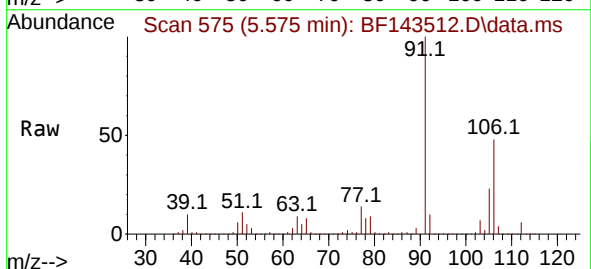
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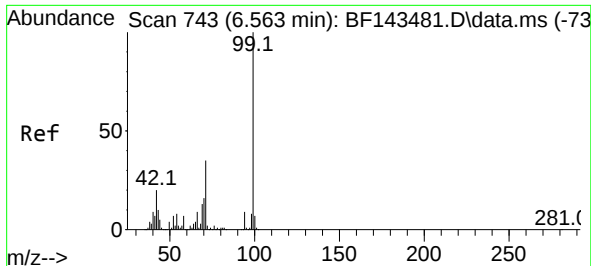
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Supervised By :Jagrut Upadhyay 08/21/2025



#5
2-Fluorophenol
Concen: 29.650 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

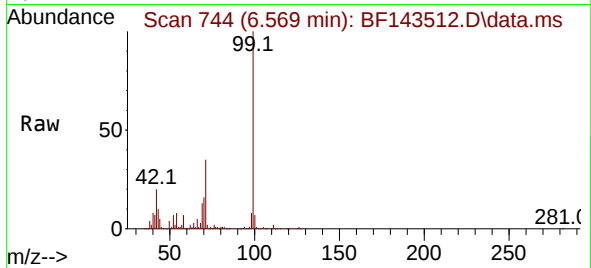
Tgt Ion:112 Resp: 217087
Ion Ratio Lower Upper
112 100
64 82.7 50.4 75.6#
63 145.4 26.4 39.6#





#7
Phenol-d6
Concen: 39.886 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

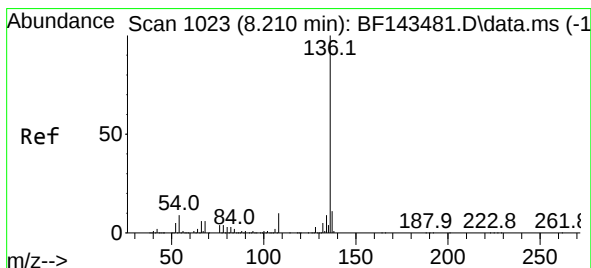
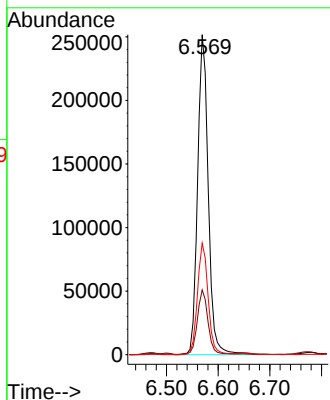
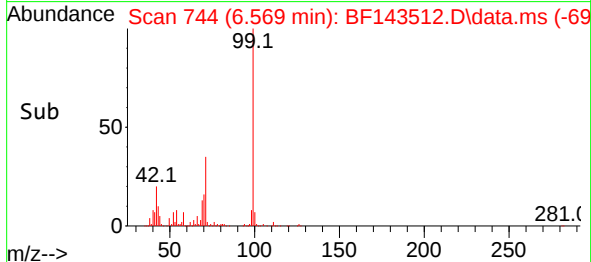
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825



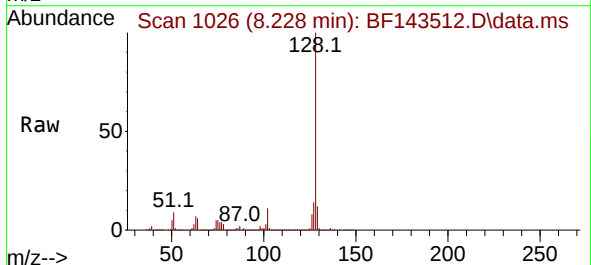
Tgt Ion: 99 Resp: 36049
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 34.8 28.2 42.2

Manual Integrations
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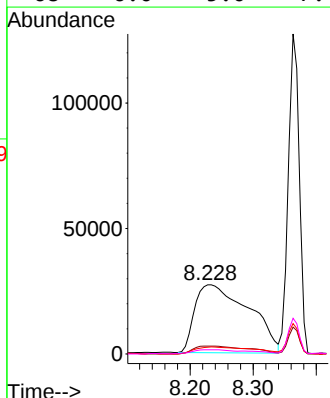
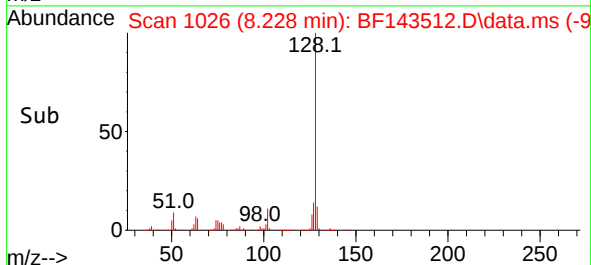
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

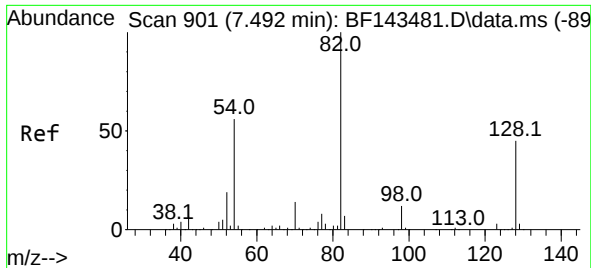


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1026
Delta R.T. 0.018 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49



Tgt Ion:136 Resp: 161605
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 9.8 7.4 11.2
68 6.0 5.0 7.4





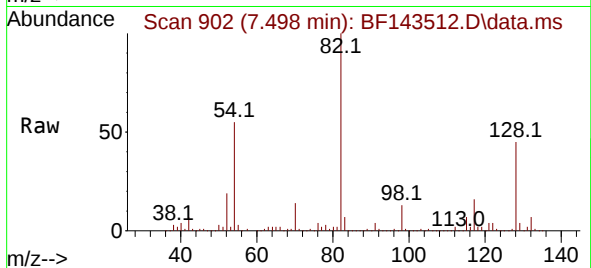
#23
Nitrobenzene-d5
Concen: 257.991 ng
RT: 7.498 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825

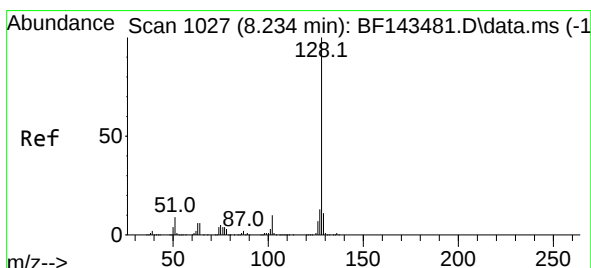
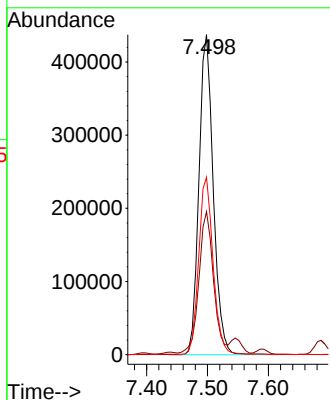
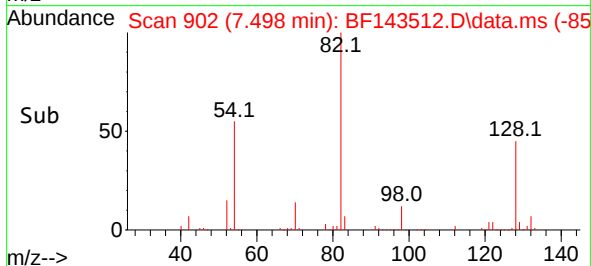


Tgt Ion: 82 Resp: 714468
Ion Ratio Lower Upper
82 100
128 44.7 35.5 53.3
54 55.5 44.3 66.5

Manual Integrations

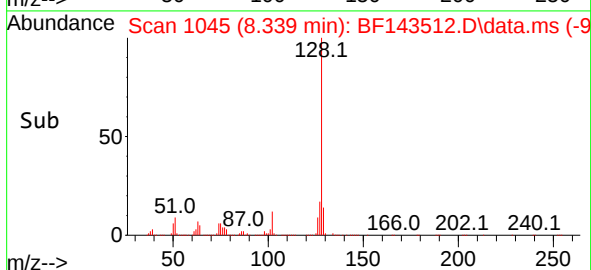
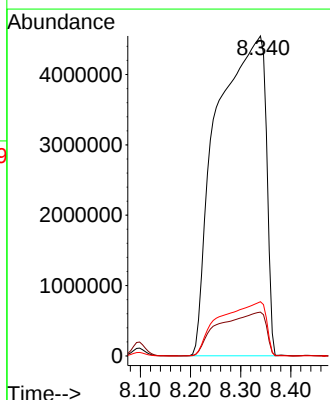
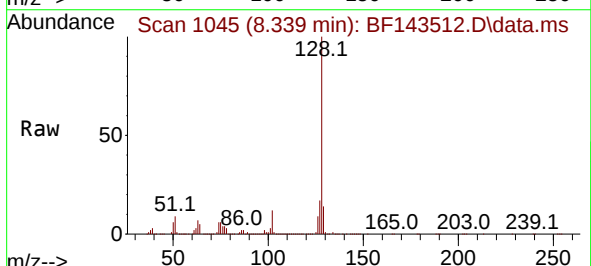
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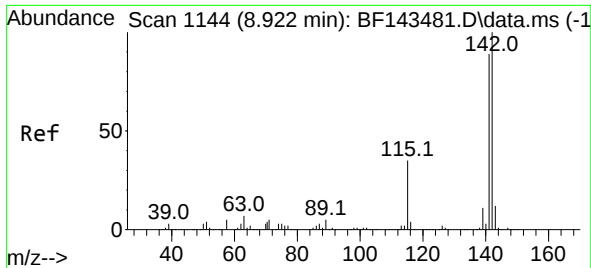
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#31
Naphthalene
Concen: 3953.586 ng
RT: 8.339 min Scan# 1045
Delta R.T. 0.106 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:128 Resp:30674528
Ion Ratio Lower Upper
128 100
129 13.7 8.8 13.2#
127 16.9 10.6 16.0#





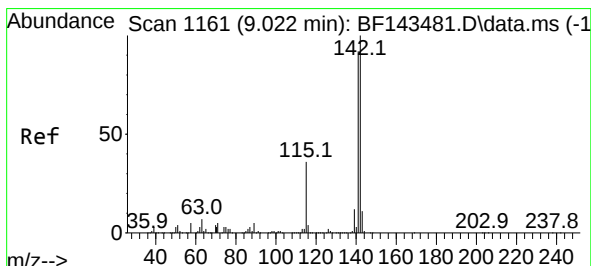
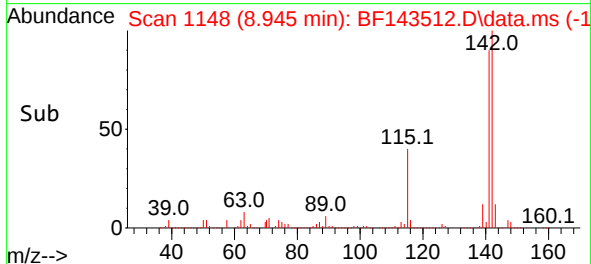
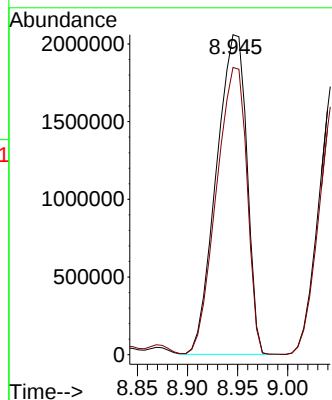
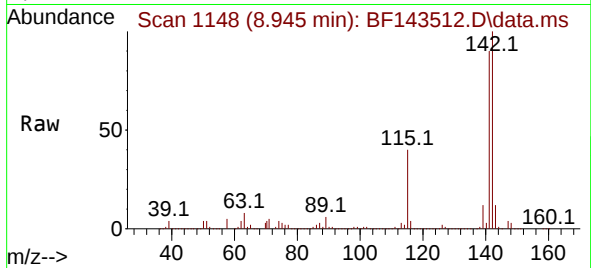
#37
2-Methylnaphthalene
Concen: 841.385 ng
RT: 8.945 min Scan# 1144
Delta R.T. 0.018 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

Tgt Ion:142 Resp: 435997
Ion Ratio Lower Upper
142 100
141 89.7 71.0 106.4

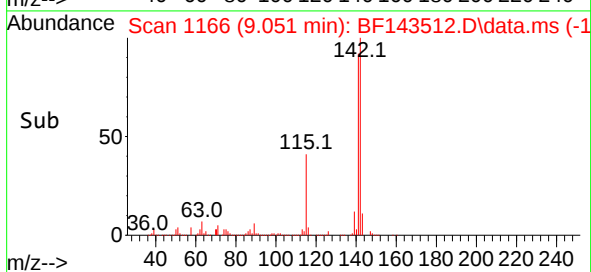
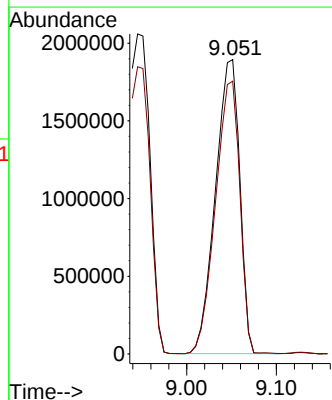
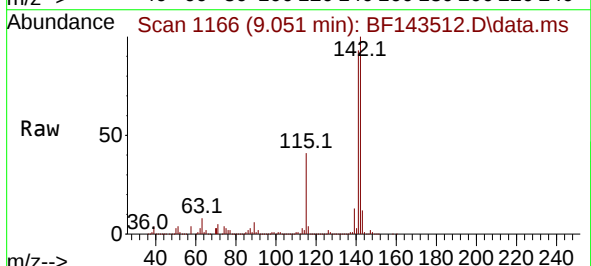
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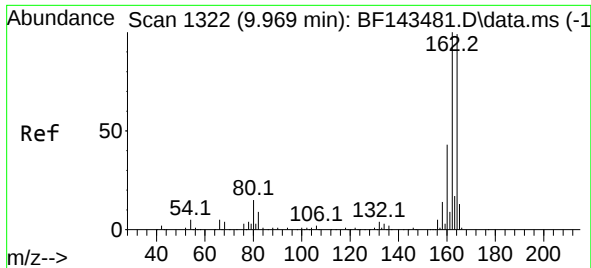
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#38
1-Methylnaphthalene
Concen: 718.844 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.024 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:142 Resp: 3563123
Ion Ratio Lower Upper
142 100
141 92.6 73.3 109.9





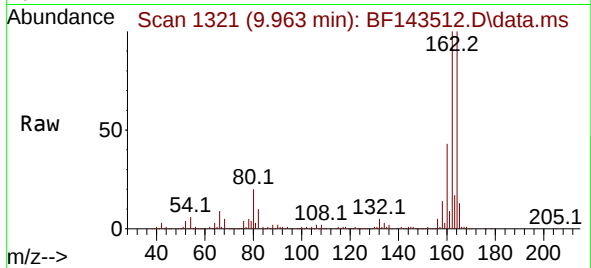
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825



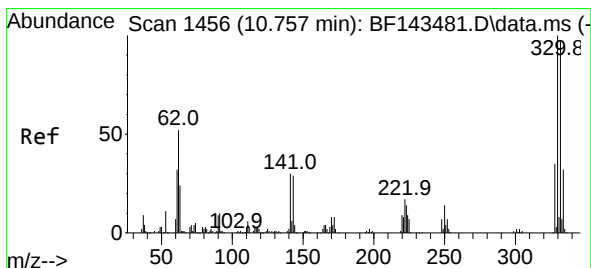
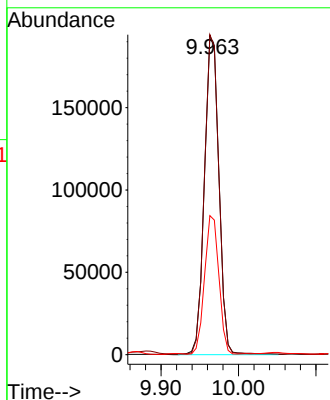
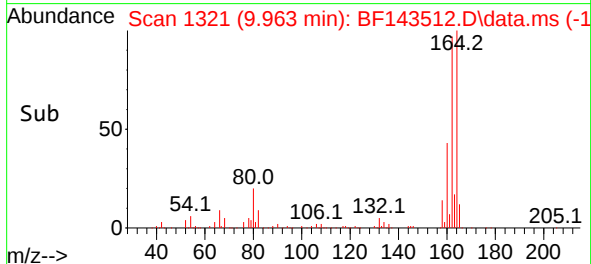
Tgt Ion:164 Resp: 252028
Ion Ratio Lower Upper
164 100
162 100.4 80.5 120.7
160 43.6 34.3 51.5

Manual Integrations

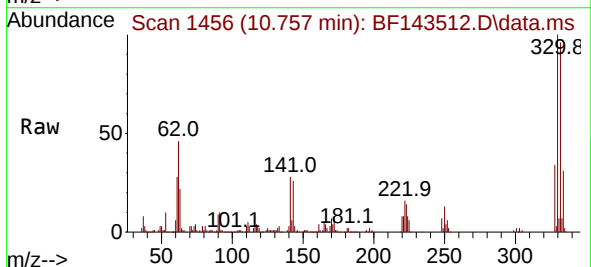
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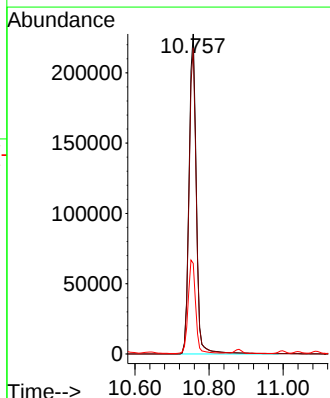
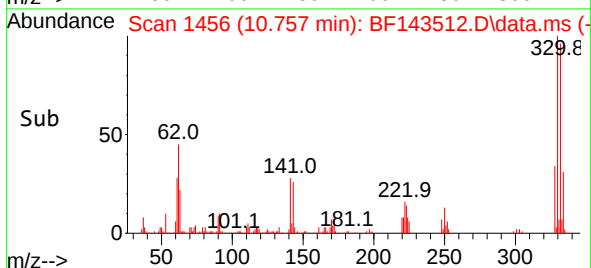
Supervised By :Jagrut Upadhyay 08/21/2025

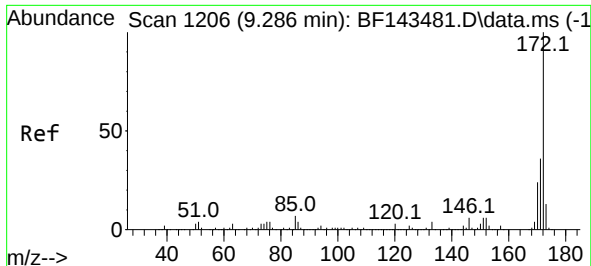


#42
2,4,6-Tribromophenol
Concen: 132.108 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49



Tgt Ion:330 Resp: 309927
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 30.1 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 79.769 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143512.D

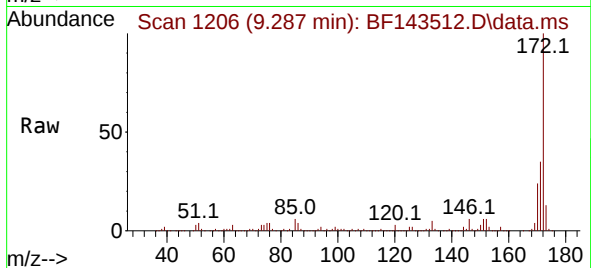
Acq: 21 Aug 2025 04:49

Instrument :

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Tgt Ion:172 Resp: 121646

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

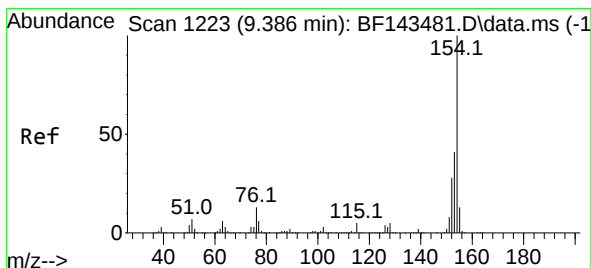
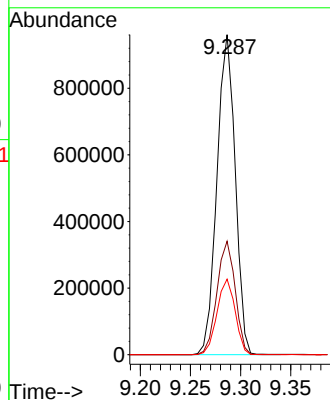
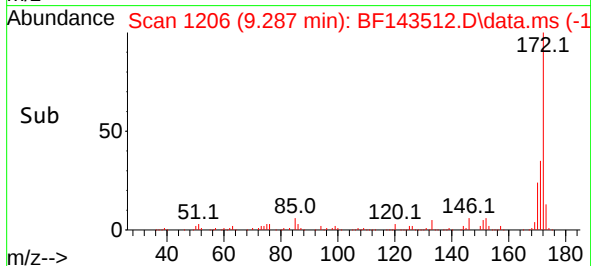
170 23.6 18.8 28.2

Manual Integrations

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#46

1,1'-Biphenyl

Concen: 28.636 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143512.D

Acq: 21 Aug 2025 04:49

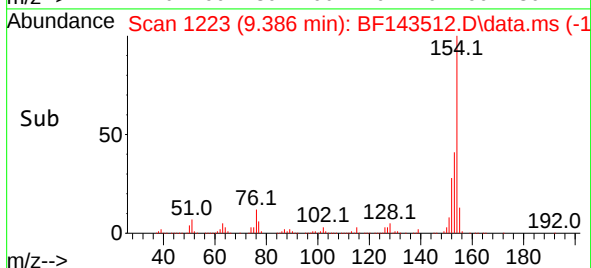
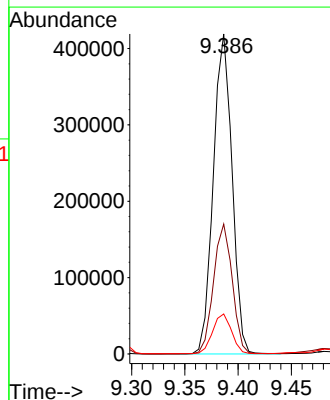
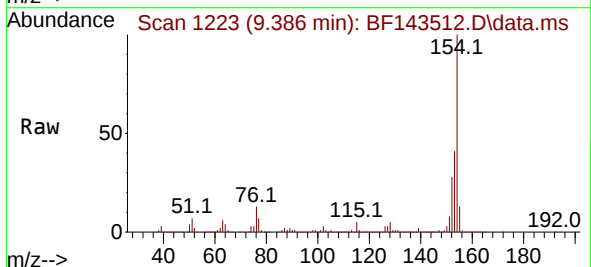
Tgt Ion:154 Resp: 512257

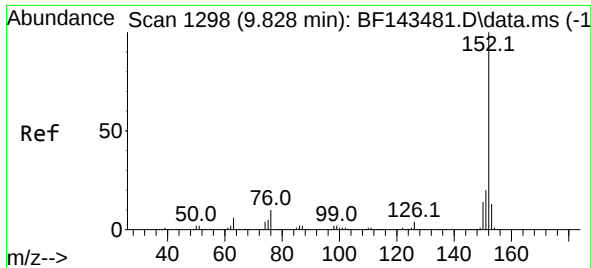
Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

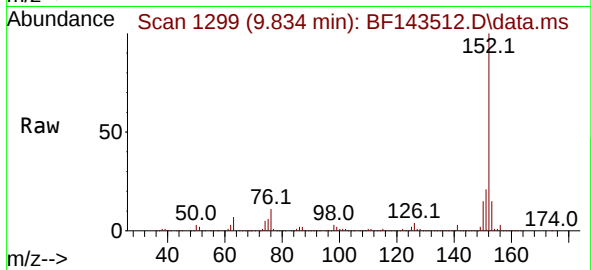
76 12.5 0.0 33.0





#49
Acenaphthylene
Concen: 154.837 ng
RT: 9.834 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

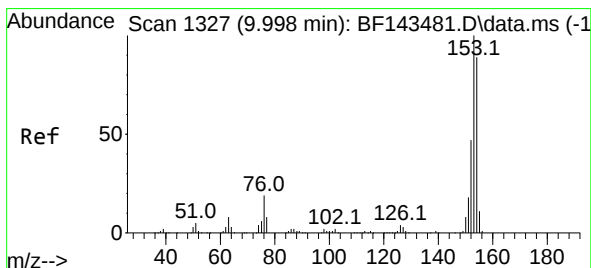
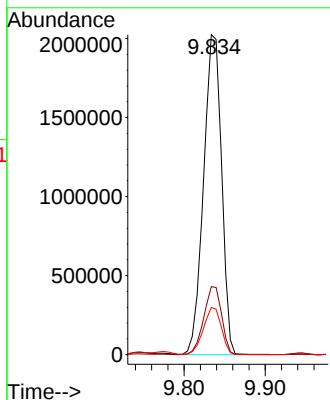
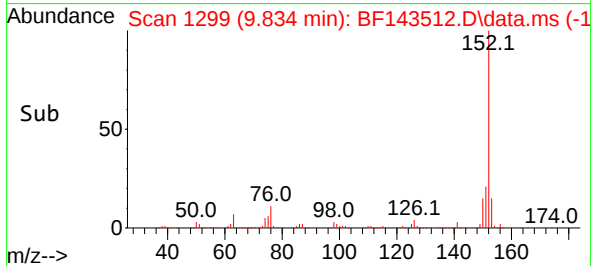
Instrument :
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ClientSampleId :
DUP-01-081825



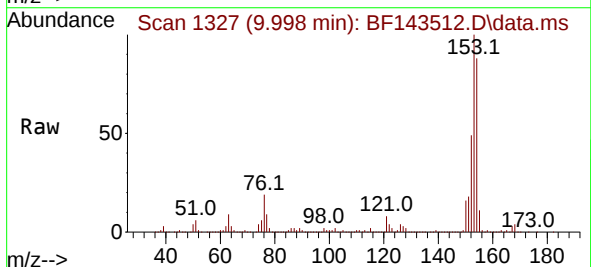
Tgt Ion:152 Resp: 3111758
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.4
153 14.7 10.6 15.8

Manual Integrations
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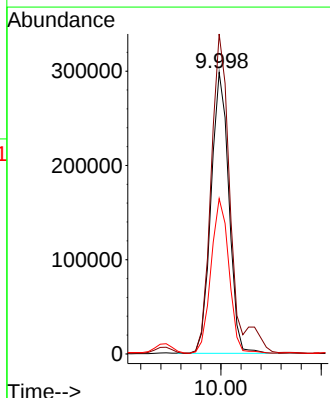
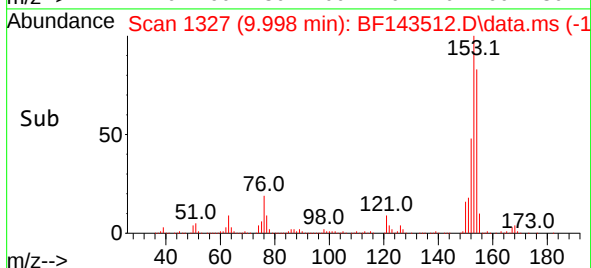
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

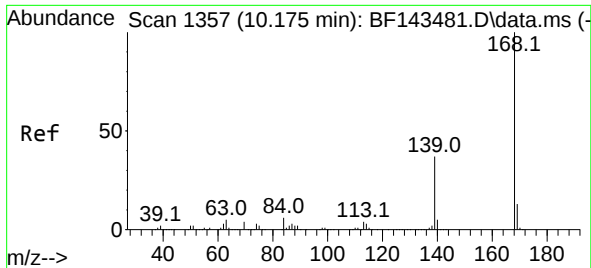


#52
Acenaphthene
Concen: 26.916 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49



Tgt Ion:154 Resp: 367277
Ion Ratio Lower Upper
154 100
153 113.6 89.5 134.3
152 55.2 42.5 63.7





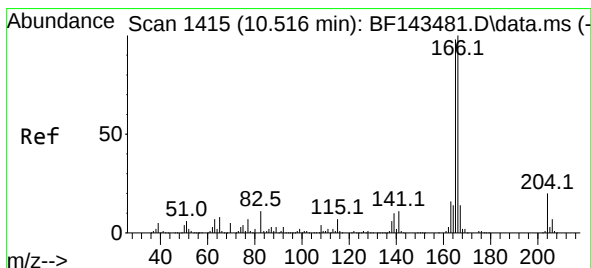
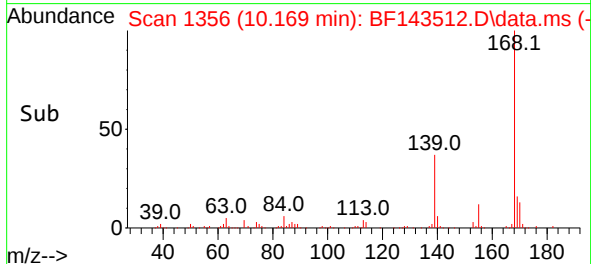
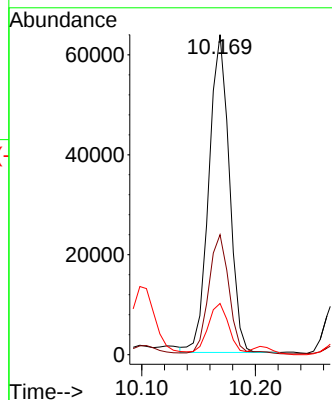
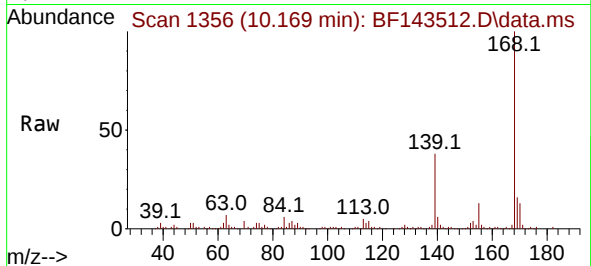
#55
Dibenzenofuran
Concen: 4.068 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

Tgt Ion:168 Resp: 7913
Ion Ratio Lower Upper
168 100
139 37.5 29.8 44.6
169 16.0 10.8 16.2

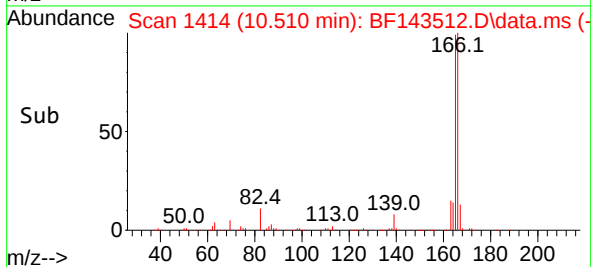
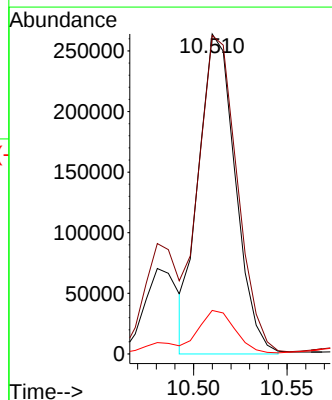
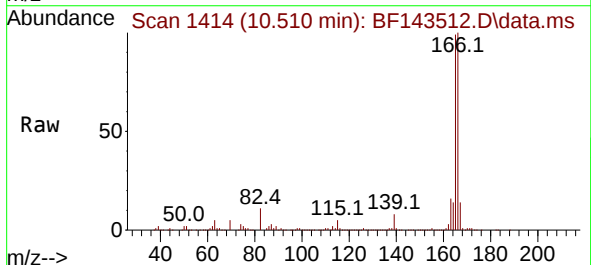
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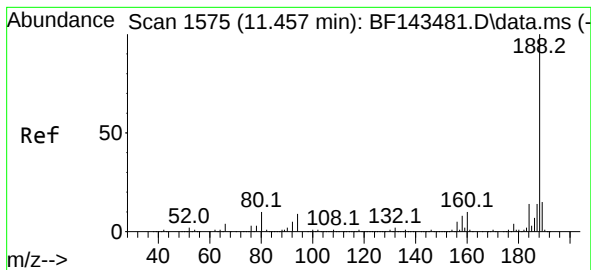
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#58
Fluorene
Concen: 24.097 ng m
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

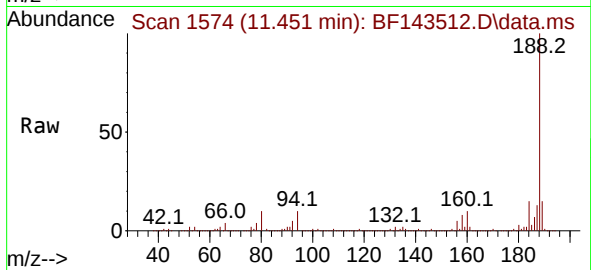
Tgt Ion:166 Resp: 360796
Ion Ratio Lower Upper
166 100
165 99.5 78.3 117.5
167 13.6 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

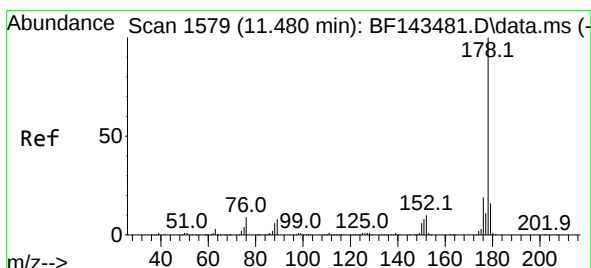
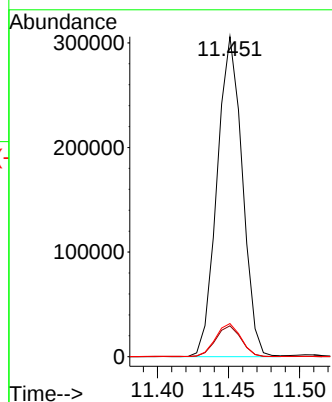
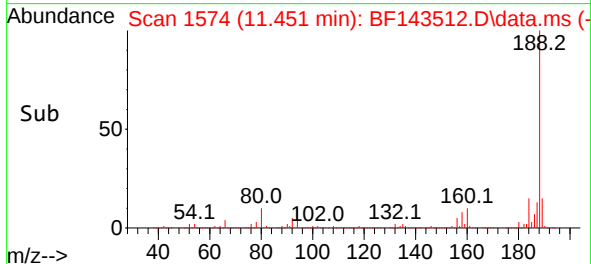
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825



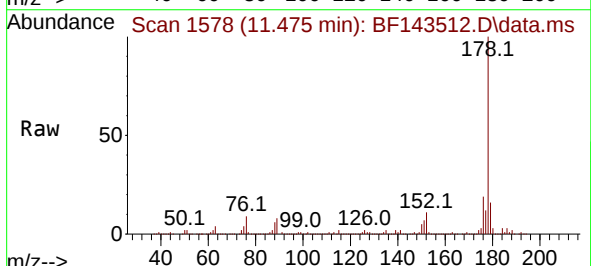
Tgt Ion:188 Resp: 378389
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.3 8.2 12.4

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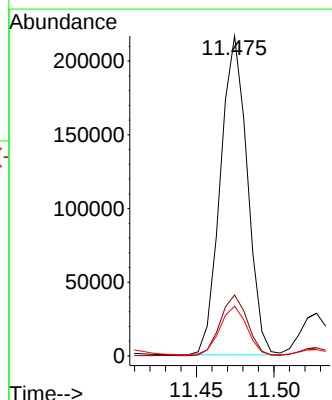
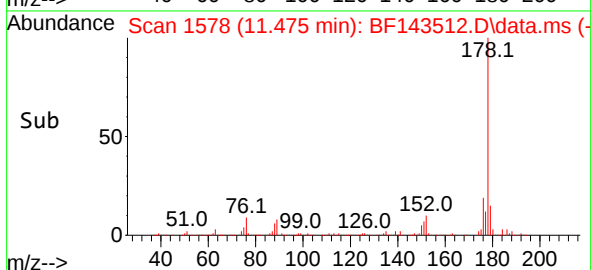
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

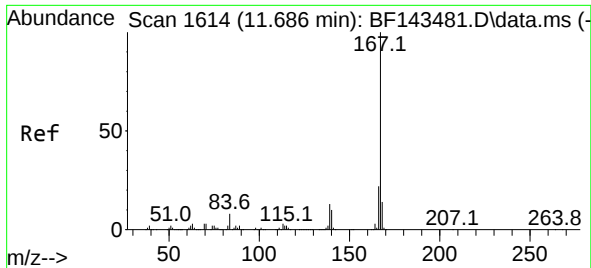


#71
Phenanthrene
Concen: 12.888 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49



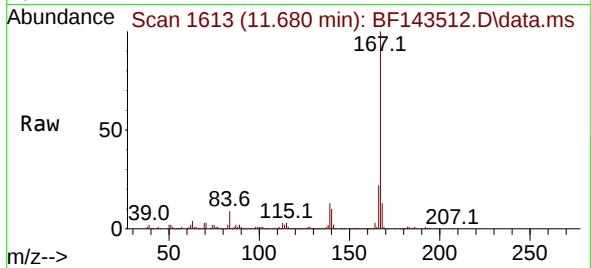
Tgt Ion:178 Resp: 261150
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.5 12.5 18.7





#73
Carbazole
Concen: 13.644 ng
RT: 11.680 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

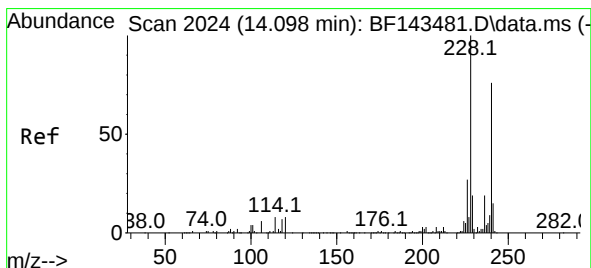
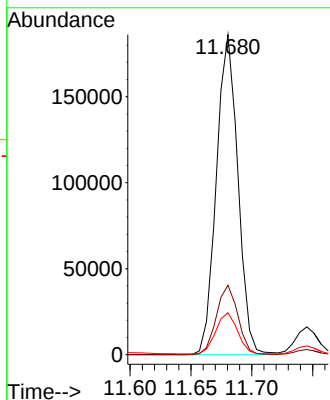
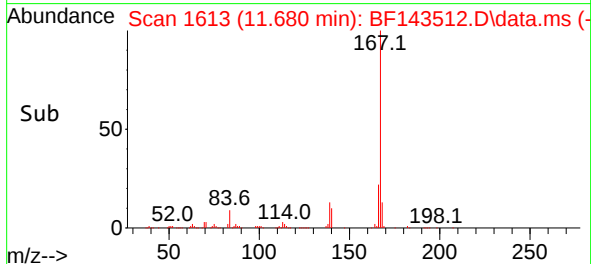
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825



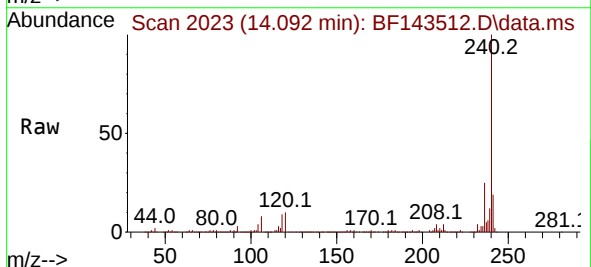
Tgt Ion:167 Resp: 229495
Ion Ratio Lower Upper
167 100
166 21.7 17.3 25.9
139 13.1 10.0 15.0

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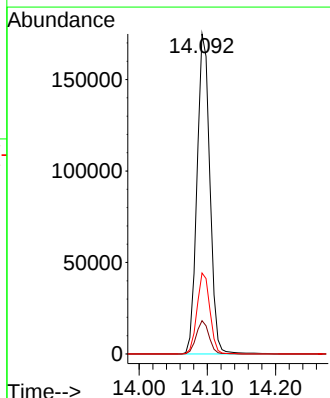
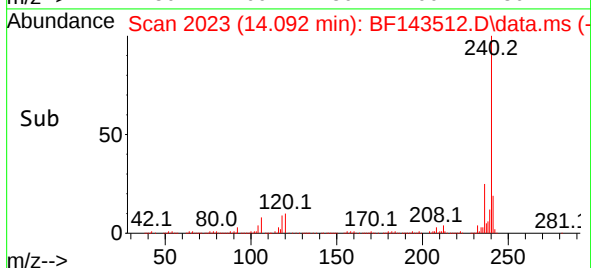
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

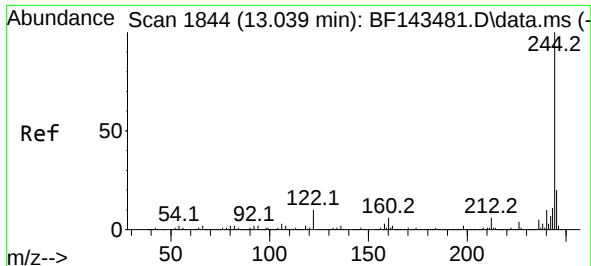


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49



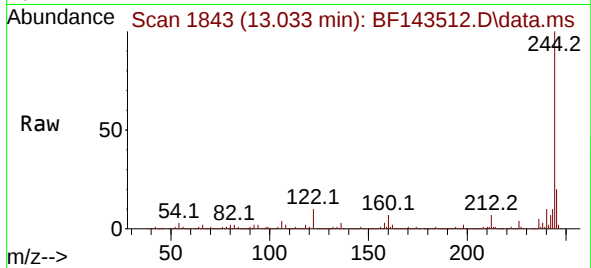
Tgt Ion:240 Resp: 228850
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 25.3 20.4 30.6





#79
 Terphenyl-d14
 Concen: 82.687 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143512.D
 Acq: 21 Aug 2025 04:49

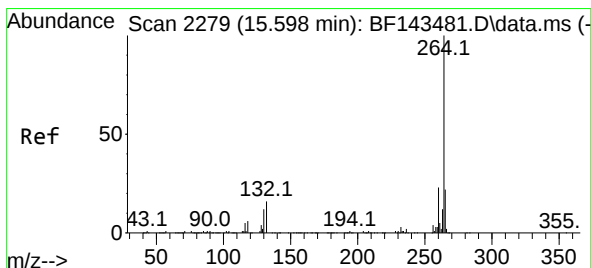
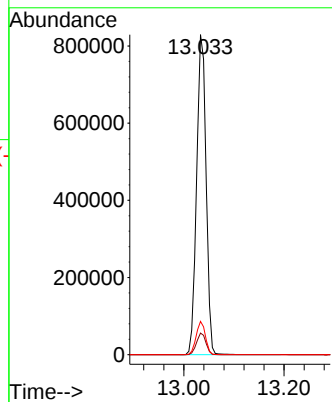
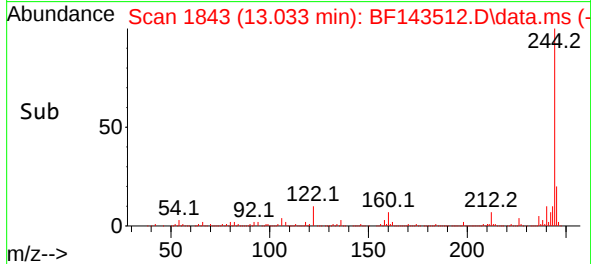
Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-081825



Tgt Ion:244 Resp: 1084380
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.2 7.8
 122 10.4 7.9 11.9

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Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143512.D
 Acq: 21 Aug 2025 04:49

Tgt Ion:264 Resp: 280609
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.7 28.1
 265 21.0 17.6 26.4

