

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143207.D
 Acq On : 23 Jul 2025 00:12
 Operator : RC/JU
 Sample : Q2649-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 23 04:56:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	104255	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	368801	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	168655	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	251570	20.000	ng	0.00
76) Chrysene-d12	14.133	240	264481	20.000	ng	0.01
86) Perylene-d12	15.639	264	225264	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	470982	71.489	ng	0.02
7) Phenol-d6	6.598	99	587597	70.860	ng	0.01
23) Nitrobenzene-d5	7.522	82	381721	51.593	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	114354	65.634	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	689800	55.936	ng	0.00
79) Terphenyl-d14	13.074	244	606267	34.112	ng	0.00
Target Compounds						Qvalue
60) Diethylphthalate	10.410	149	29478	2.713	ng	100
71) Phenanthrene	11.516	178	66095	4.948	ng	98
75) Fluoranthene	12.704	202	191913	15.653	ng	99
78) Pyrene	12.933	202	188410	8.347	ng	100
81) Benzo(a)anthracene	14.121	228	113210	6.393	ng	97
83) Chrysene	14.157	228	104672	6.575	ng	98
84) Bis(2-ethylhexyl)phtha...	14.104	149	51639	4.936	ng	99
88) Benzo(b)fluoranthene	15.198	252	130743m	9.501	ng	
89) Benzo(k)fluoranthene	15.209	252	50122m	4.082	ng	
90) Benzo(a)pyrene	15.574	252	78232	6.170	ng	97
92) Benzo(g,h,i)perylene	17.645	276	31734	2.537	ng	99

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

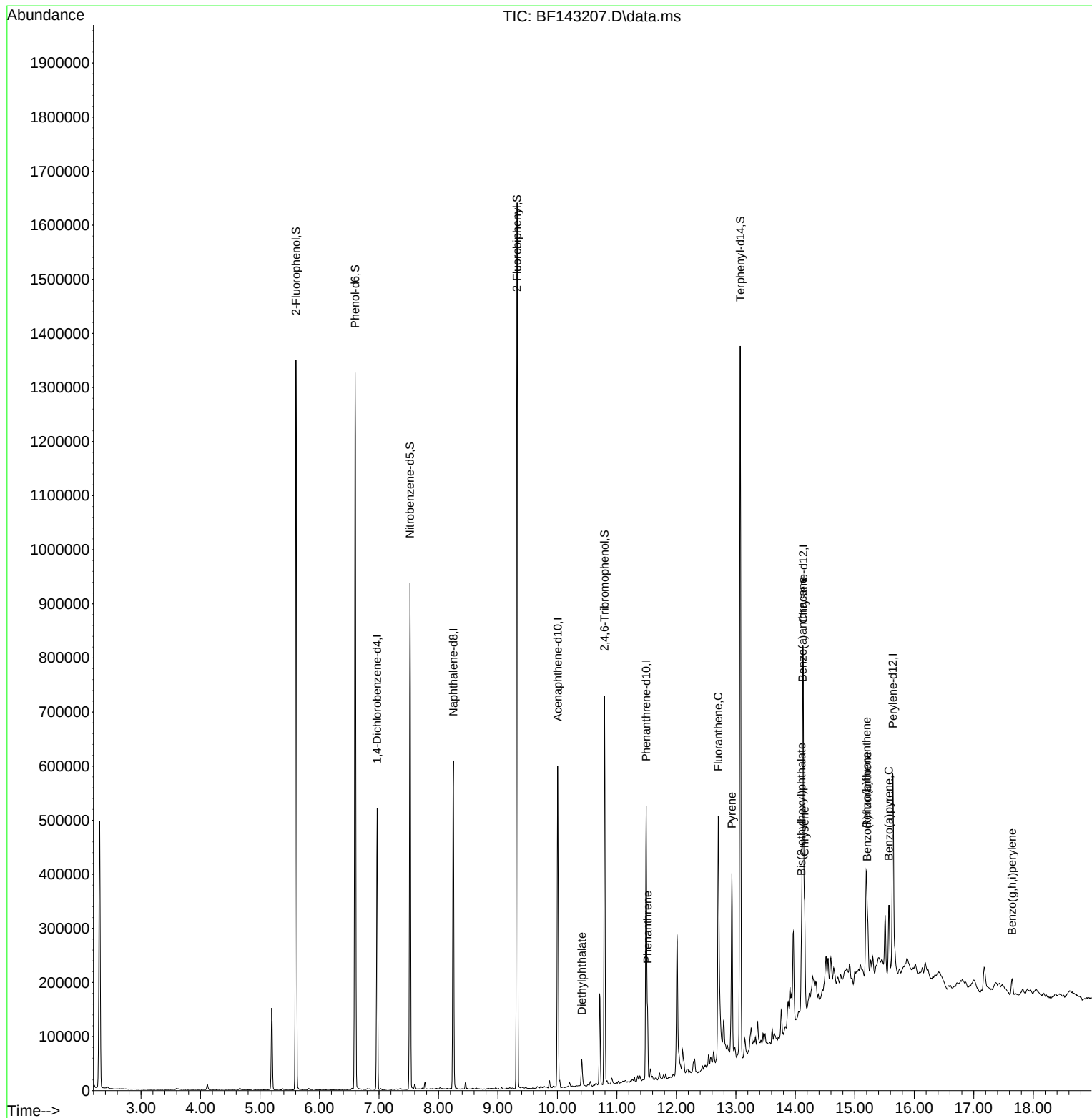
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143207.D
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ALS Vial : 20 Sample Multiplier: 1

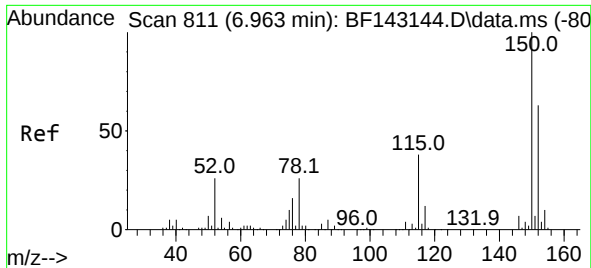
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
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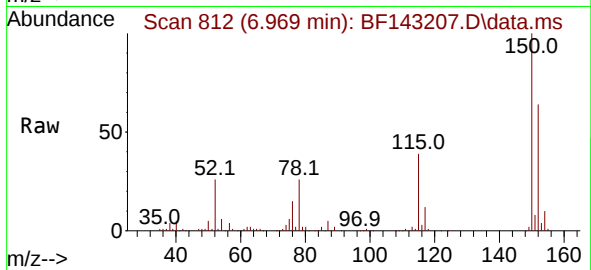
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12

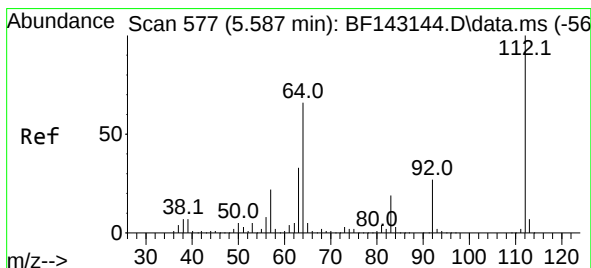
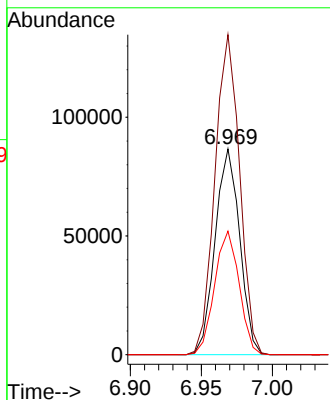
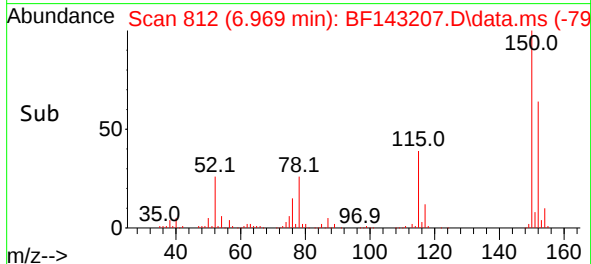
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BNA_F
ClientSampleId :
WC-1



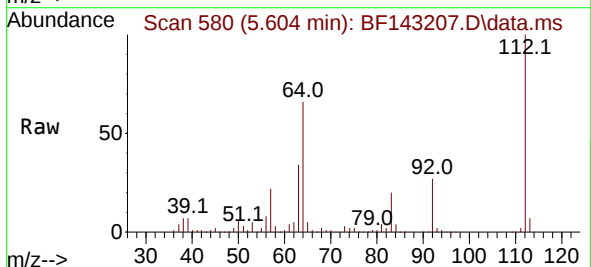
Tgt Ion:152 Resp: 104258
Ion Ratio Lower Upper
152 100
150 155.5 128.2 192.4
115 60.0 47.9 71.9

Manual Integrations
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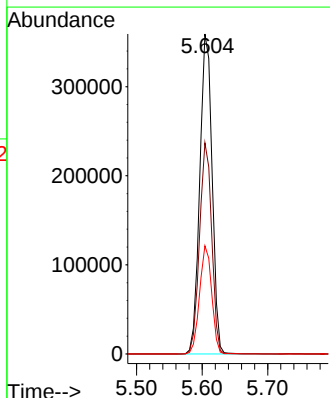
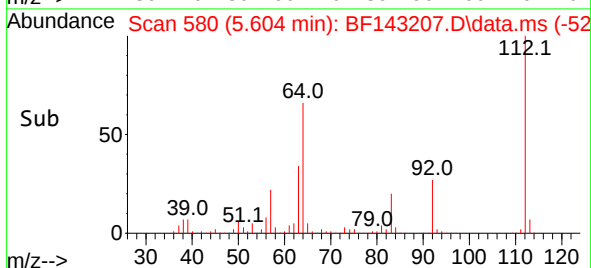
Reviewed By :Rahul Chavli 07/23/2025
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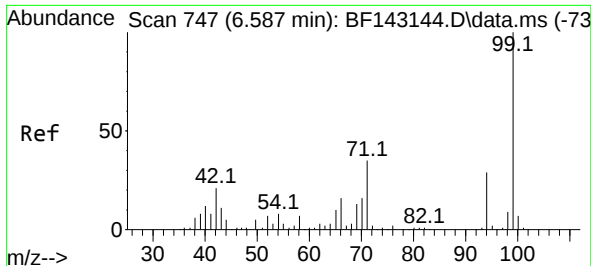


#5
2-Fluorophenol
Concen: 71.489 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12



Tgt Ion:112 Resp: 470982
Ion Ratio Lower Upper
112 100
64 66.0 53.1 79.7
63 33.8 26.6 40.0





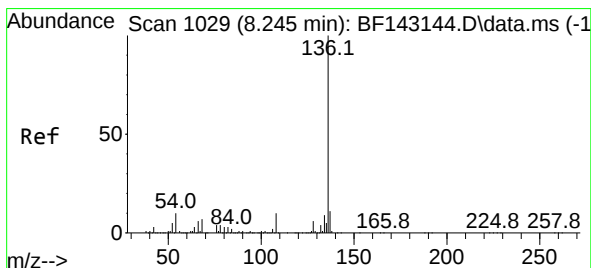
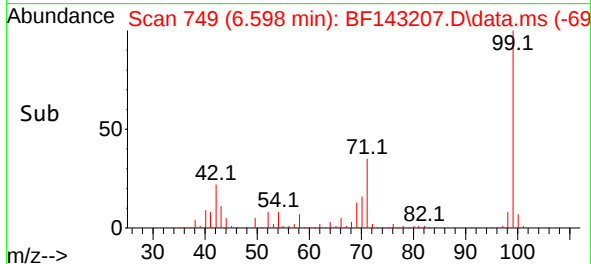
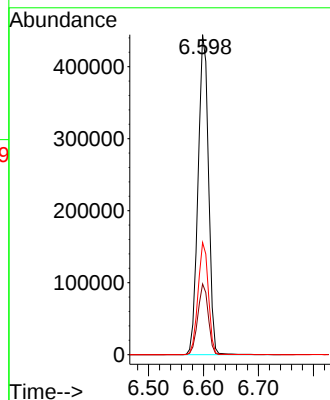
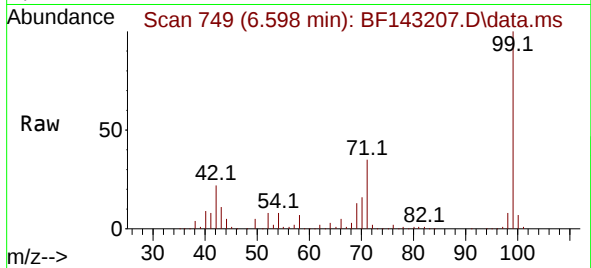
#7
Phenol-d6
Concen: 70.860 ng
RT: 6.598 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 58759
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 35.1 27.7 41.5

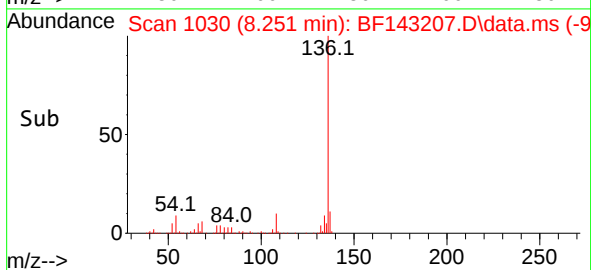
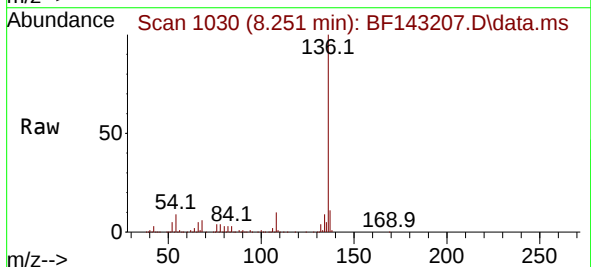
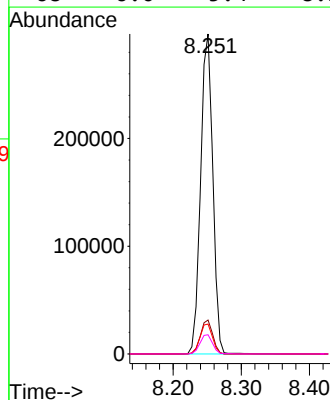
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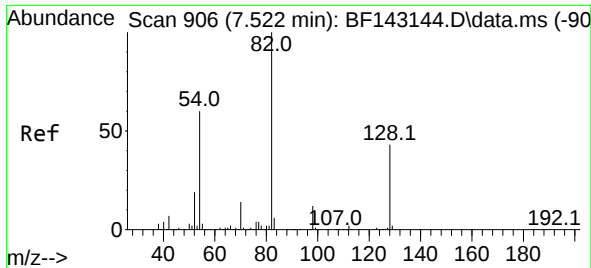
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.006 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12

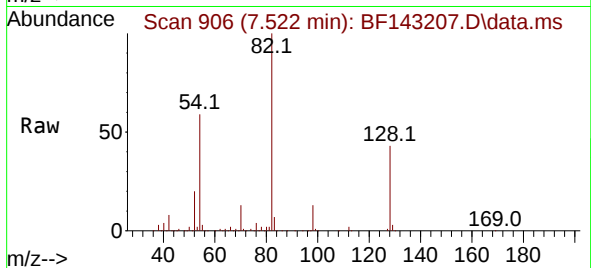
Tgt Ion:136 Resp: 368801
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.3 8.2 12.2
68 6.0 5.4 8.2





#23
Nitrobenzene-d5
Concen: 51.593 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.000 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12

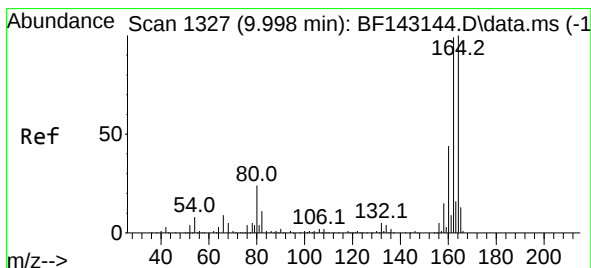
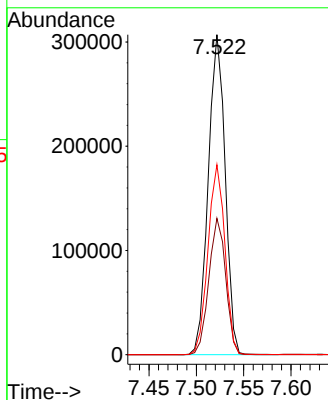
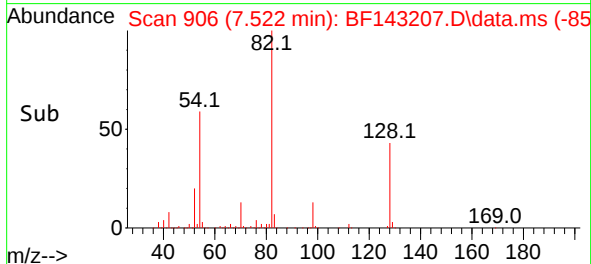
Instrument :
BNA_F
ClientSampleId :
WC-1



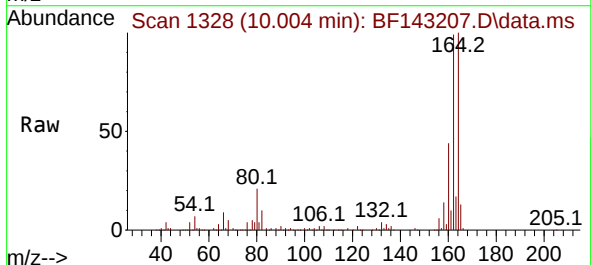
Tgt Ion: 82 Resp: 38172
Ion Ratio Lower Upper
82 100
128 42.6 33.6 50.4
54 59.3 47.1 70.7

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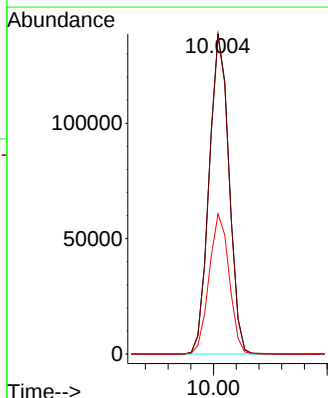
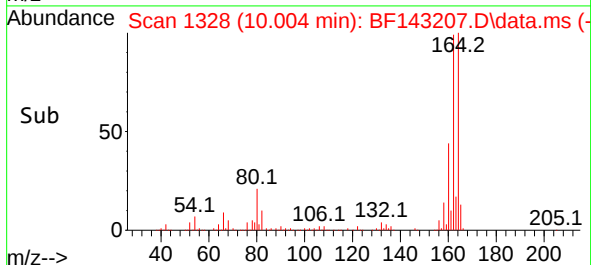
Reviewed By :Rahul Chavli 07/23/2025
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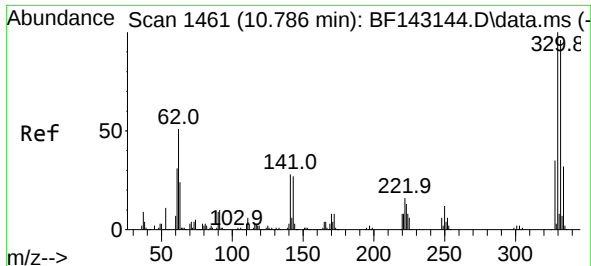


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12



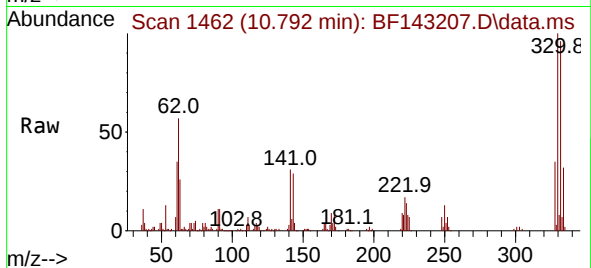
Tgt Ion:164 Resp: 168655
Ion Ratio Lower Upper
164 100
162 99.3 79.0 118.6
160 43.8 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 65.634 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12

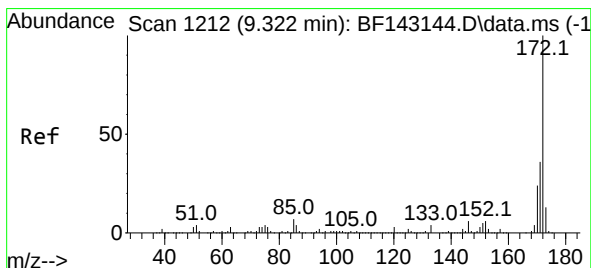
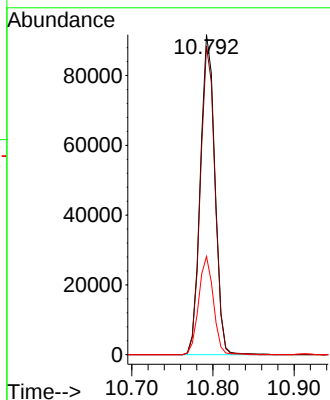
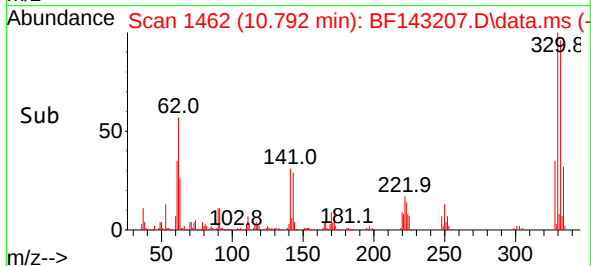
Instrument :
BNA_F
ClientSampleId :
WC-1



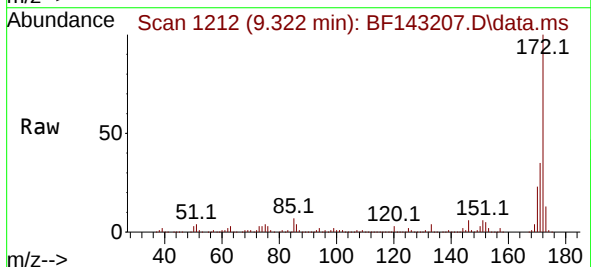
Tgt Ion: 330 Resp: 114354
Ion Ratio Lower Upper
330 100
332 96.1 76.7 115.1
141 30.8 23.3 34.9

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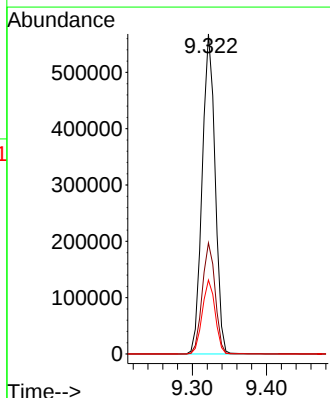
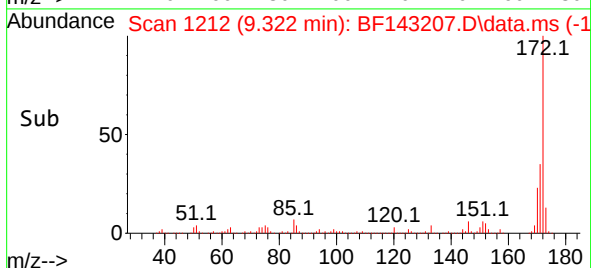
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

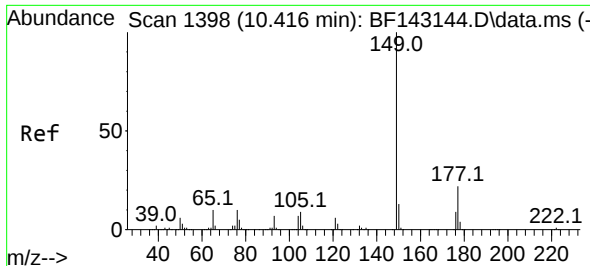


#45
2-Fluorobiphenyl
Concen: 55.936 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12



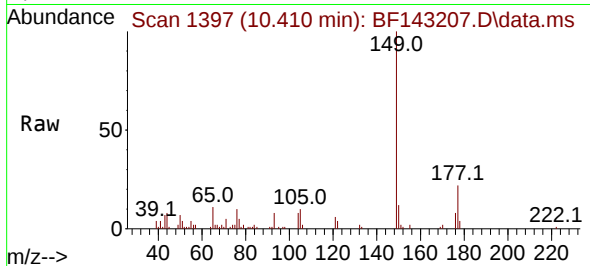
Tgt Ion: 172 Resp: 689800
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 23.1 18.8 28.2





#60
Diethylphthalate
Concen: 2.713 ng
RT: 10.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12

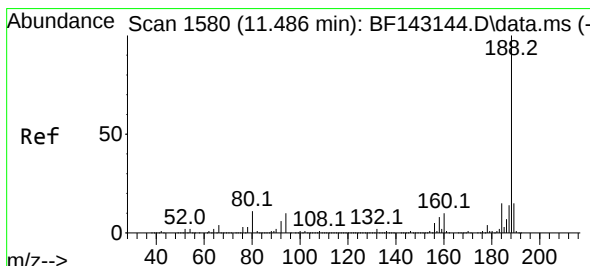
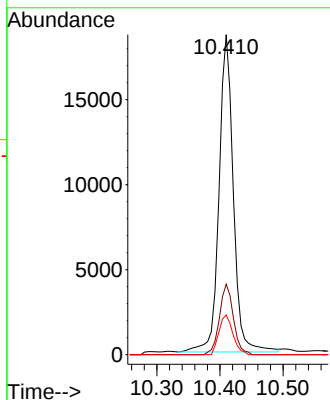
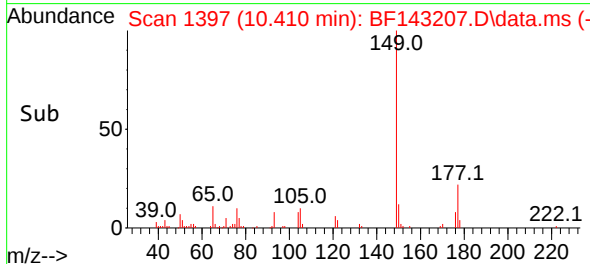
Instrument :
BNA_F
ClientSampleId :
WC-1



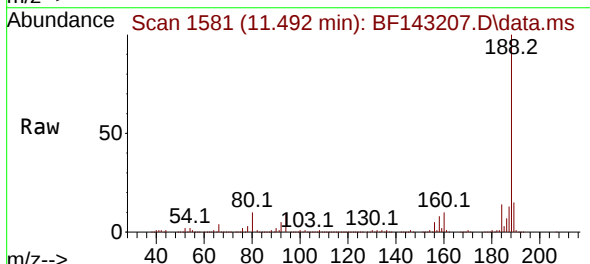
Tgt Ion:149 Resp: 29478
Ion Ratio Lower Upper
149 100
177 22.0 17.5 26.3
150 12.4 10.2 15.2

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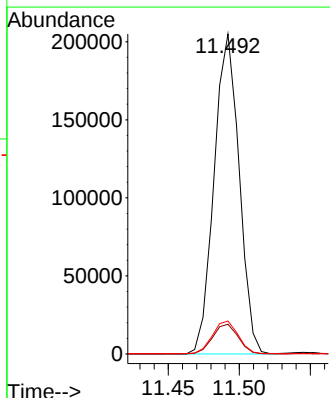
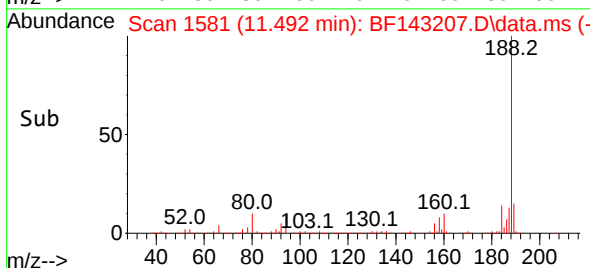
Reviewed By :Rahul Chavli 07/23/2025
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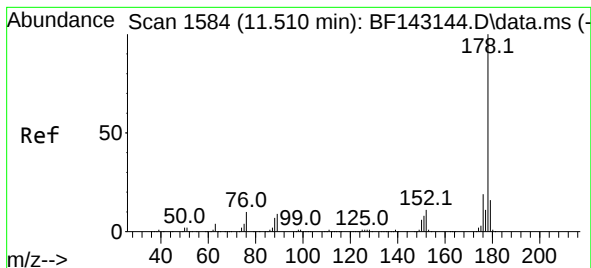


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12



Tgt Ion:188 Resp: 251570
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 10.3 9.0 13.6





#71

Phenanthrene

Concen: 4.948 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.006 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

Instrument :

BNA_F

ClientSampleId :

WC-1

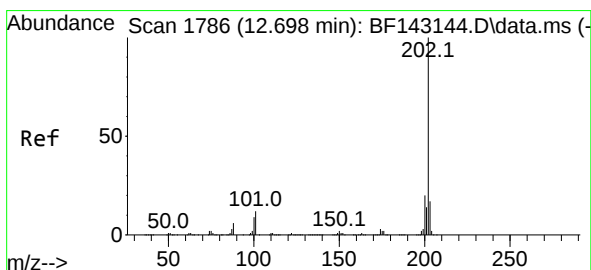
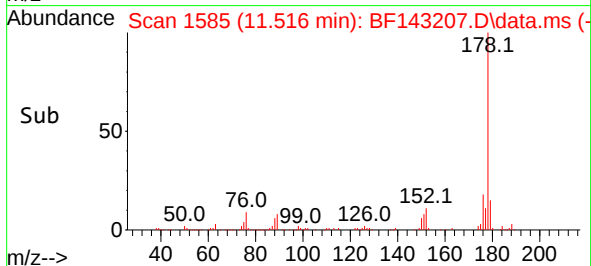
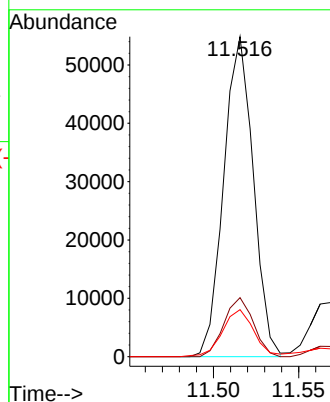
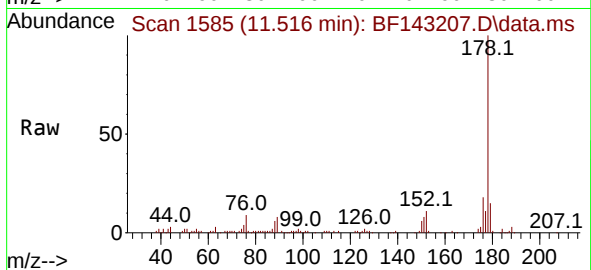
Tgt Ion:178 Resp: 66095
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 14.7 12.5 18.7

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#75

Fluoranthene

Concen: 15.653 ng

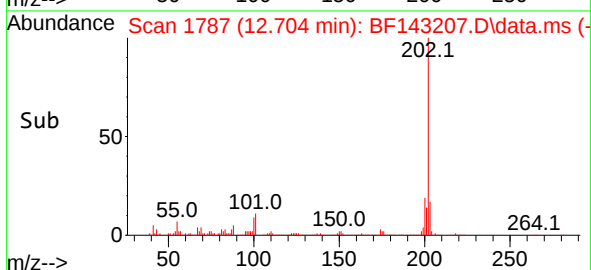
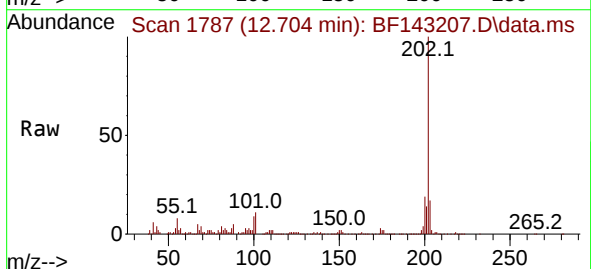
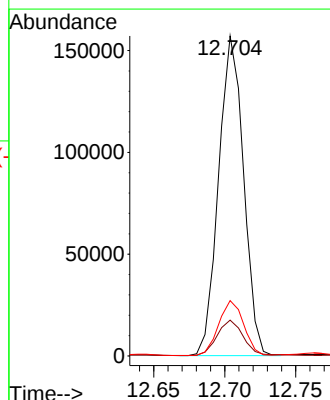
RT: 12.704 min Scan# 1787

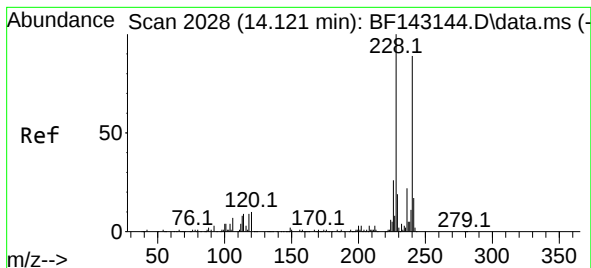
Delta R.T. 0.006 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

Tgt Ion:202 Resp: 191913
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.7
 203 17.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2028

Delta R.T. 0.012 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

Instrument :

BNA_F

ClientSampleId :

WC-1

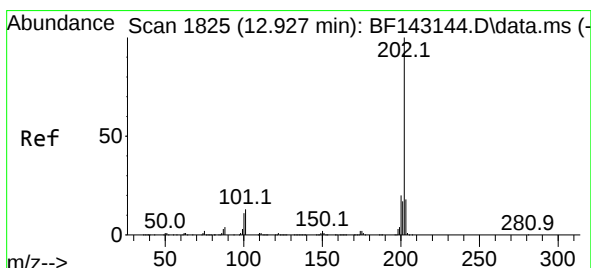
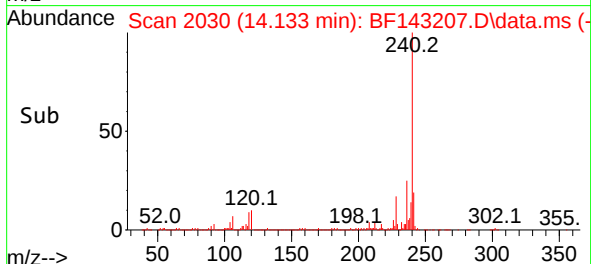
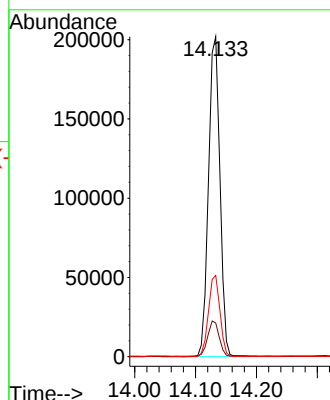
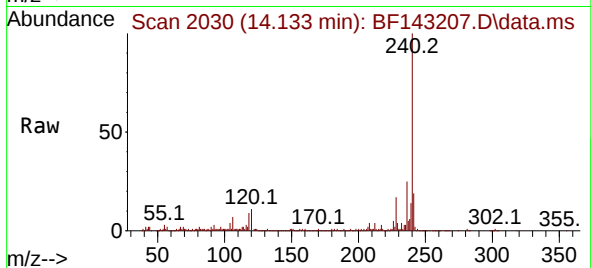
Tgt Ion:240 Resp: 26448
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.4 14.2
 236 25.4 20.2 30.4

Manual Integrations

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#78

Pyrene

Concen: 8.347 ng

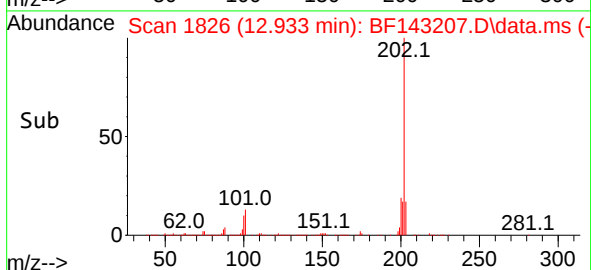
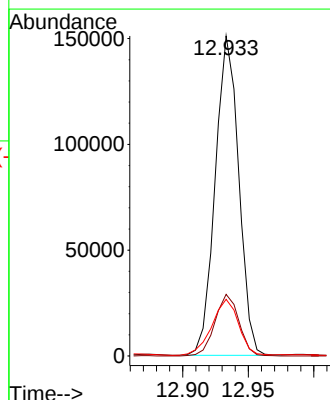
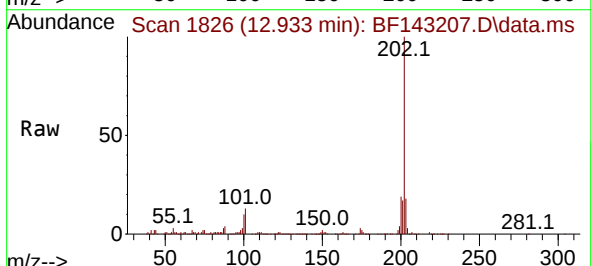
RT: 12.933 min Scan# 1826

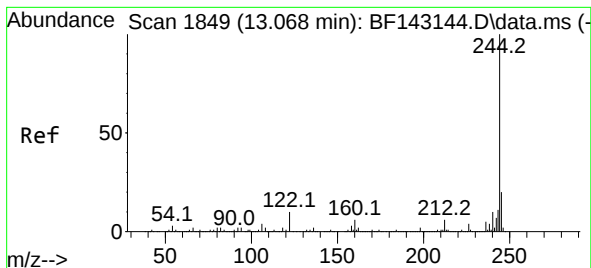
Delta R.T. 0.006 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

Tgt Ion:202 Resp: 188410
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.7 23.5
 203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 34.112 ng

RT: 13.074 min Scan# 1849

Delta R.T. 0.006 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:244 Resp: 60626

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

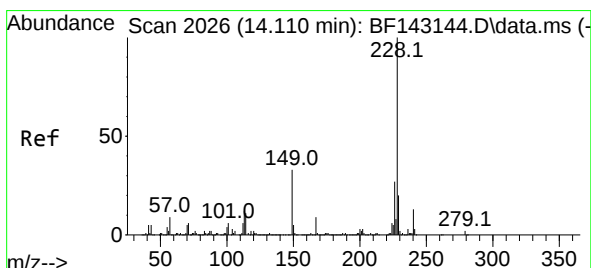
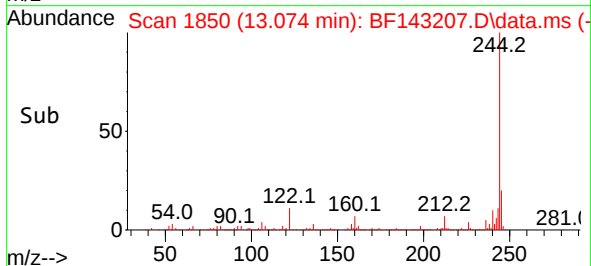
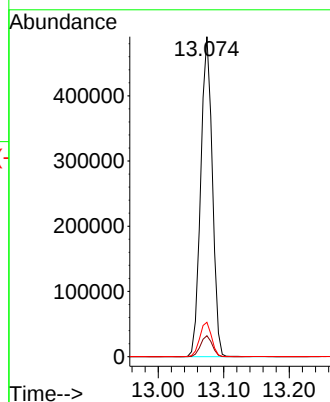
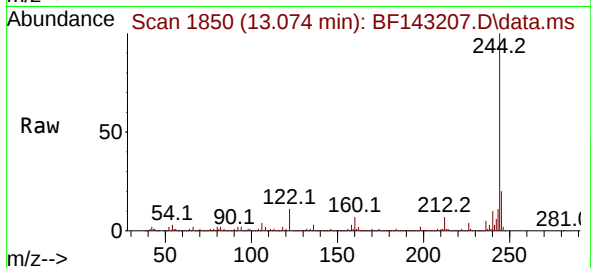
122 10.8 8.2 12.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#81

Benzo(a)anthracene

Concen: 6.393 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.012 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

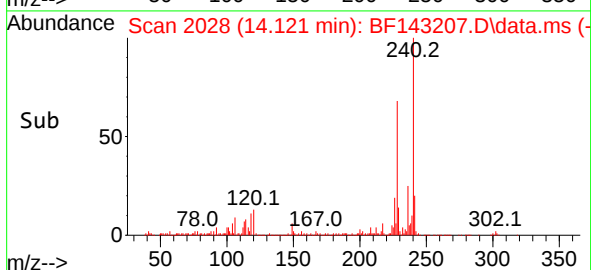
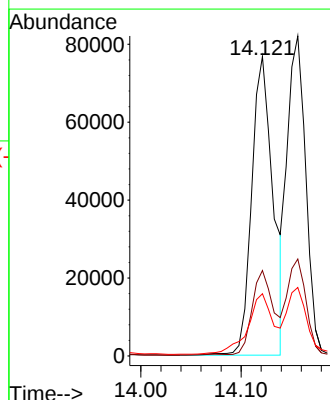
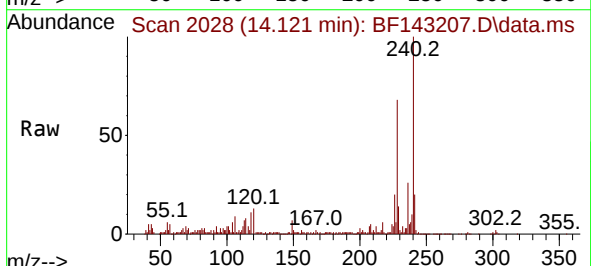
Tgt Ion:228 Resp: 113210

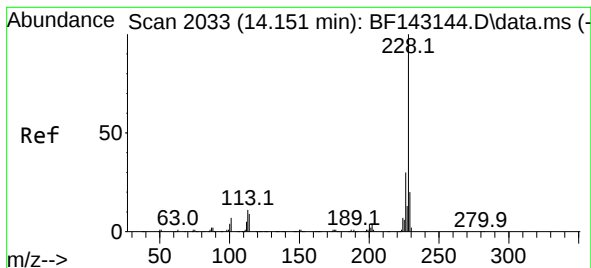
Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

229 20.8 15.8 23.6





#83

Chrysene

Concen: 6.575 ng

RT: 14.157 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 10467

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

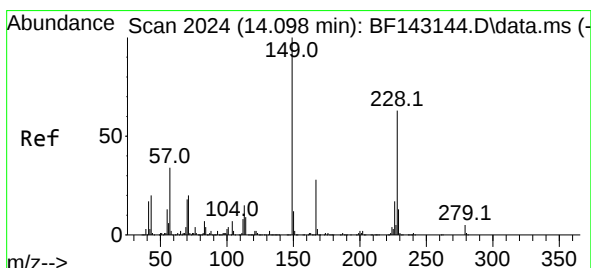
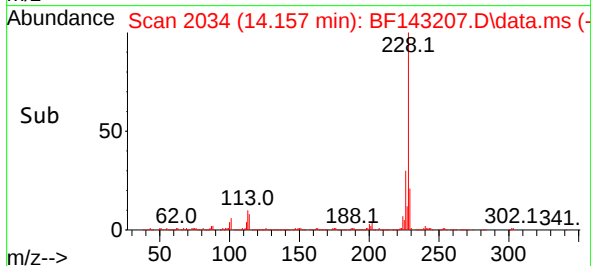
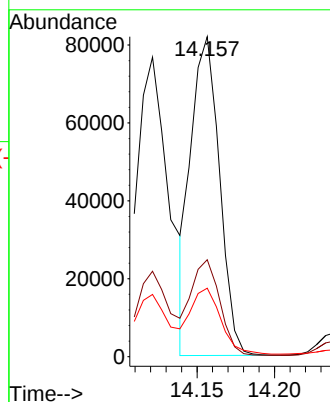
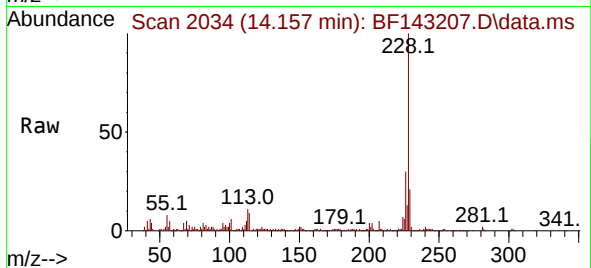
229 21.4 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.936 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

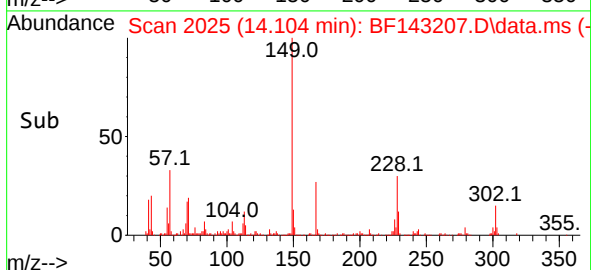
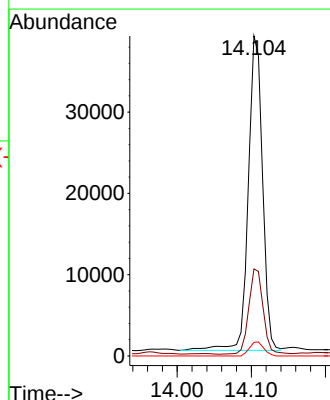
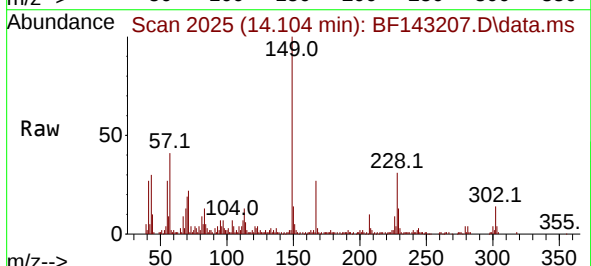
Tgt Ion:149 Resp: 51639

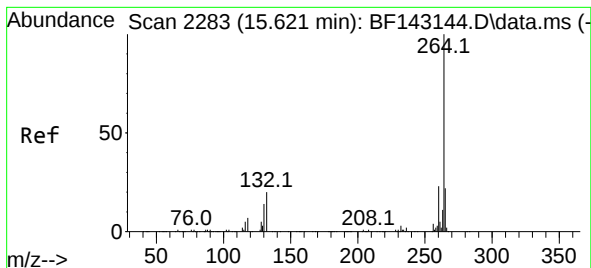
Ion Ratio Lower Upper

149 100

167 27.2 22.3 33.5

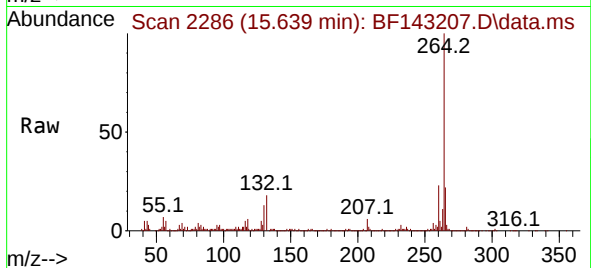
279 4.2 3.6 5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2111
Delta R.T. 0.018 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12

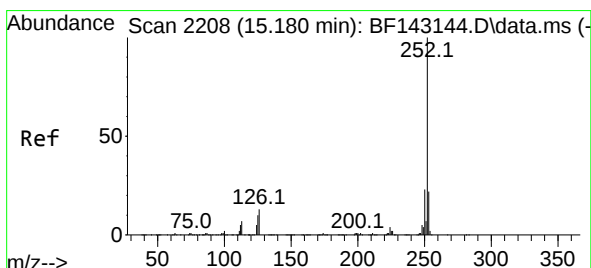
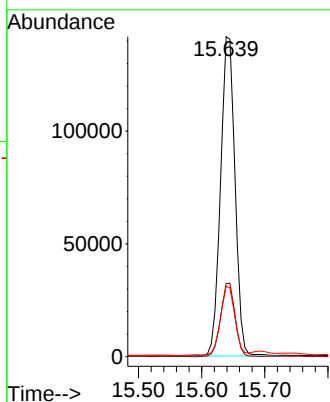
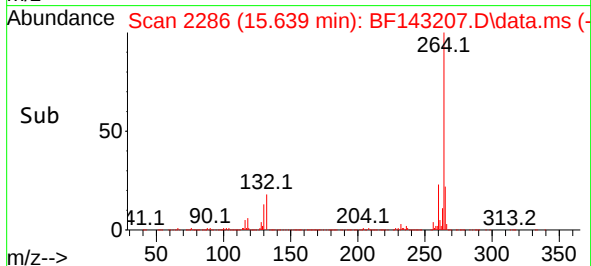
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:264 Resp: 225264
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 22.0 17.4 26.2

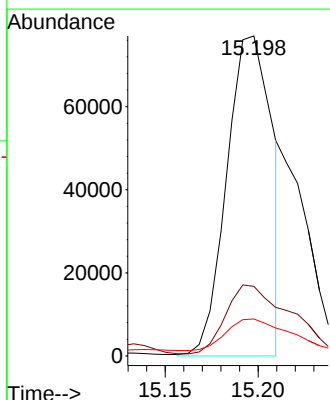
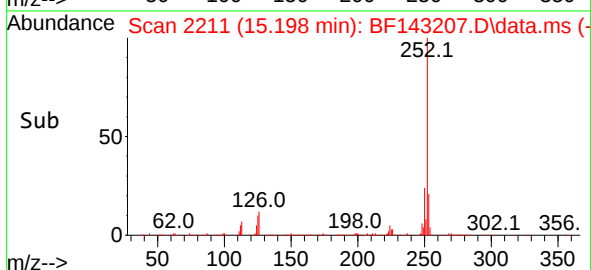
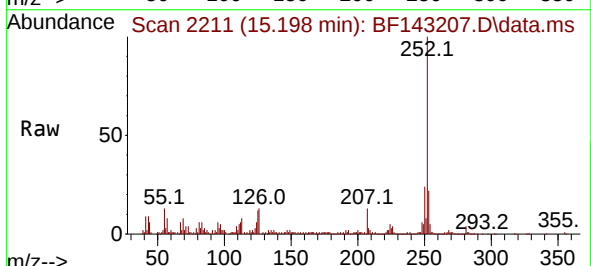
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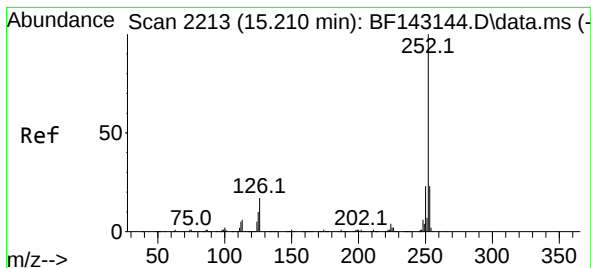
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#88
Benzo(b)fluoranthene
Concen: 9.501 ng m
RT: 15.198 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF143207.D
Acq: 23 Jul 2025 00:12

Tgt Ion:252 Resp: 130743
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 11.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 4.082 ng m

RT: 15.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

Instrument :

BNA_F

ClientSampleId :

WC-1

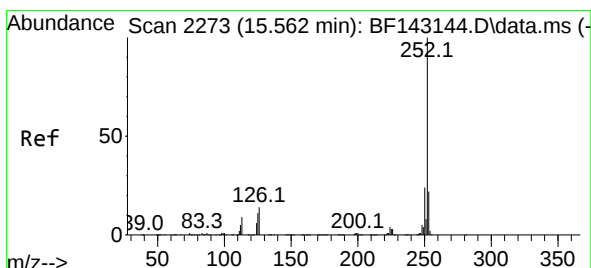
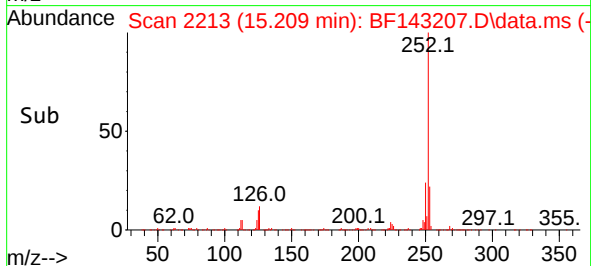
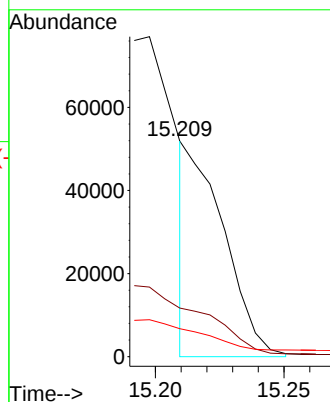
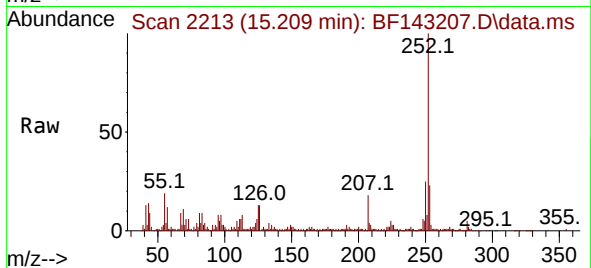
Tgt Ion:252 Resp: 5012
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.6
 125 13.0 8.1 12.1

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Supervised By :Jagrut Upadhyay 07/23/2025



#90

Benzo(a)pyrene

Concen: 6.170 ng

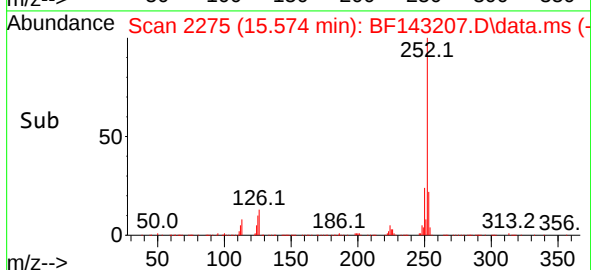
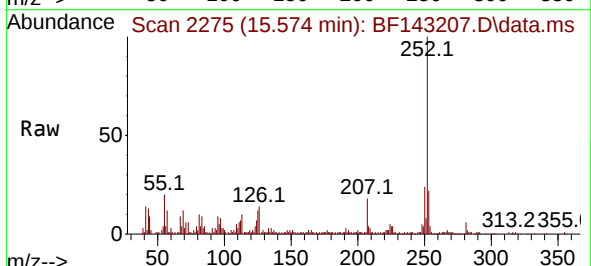
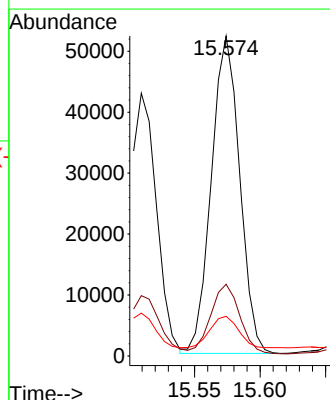
RT: 15.574 min Scan# 2275

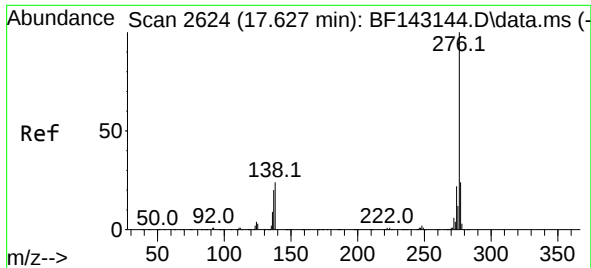
Delta R.T. 0.012 min

Lab File: BF143207.D

Acq: 23 Jul 2025 00:12

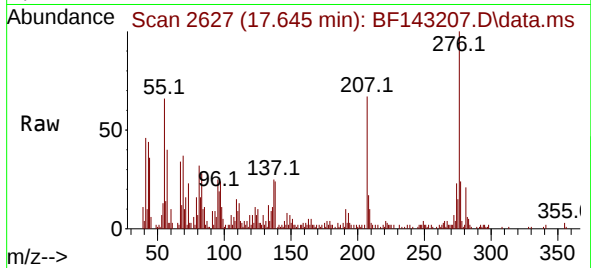
Tgt Ion:252 Resp: 78232
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.3 25.9
 125 12.4 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.537 ng
 RT: 17.645 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF143207.D
 Acq: 23 Jul 2025 00:12

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion: 276 Resp: 31734
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.1 28.7
 138 24.3 18.9 28.3

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

