

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
 Data File : BF144302.D
 Acq On : 20 Nov 2025 18:56
 Operator : RC/JU
 Sample : Q3662-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-0.0-1.0-20251117

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025

Quant Time: Nov 20 23:59:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	46510	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	165994	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	89354	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	158933	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	137554	20.000	ng	-0.01
86) Perylene-d12	15.521	264	110506	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	249067	83.801	ng	0.00
7) Phenol-d6	6.492	99	279004	82.848	ng	0.00
23) Nitrobenzene-d5	7.422	82	169804	59.081	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	89450	79.774	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	351619	58.119	ng	-0.01
79) Terphenyl-d14	12.980	244	411215	47.485	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	19069	2.410	ng	97
75) Fluoranthene	12.610	202	55313	6.767	ng	98
78) Pyrene	12.839	202	53335	4.809	ng	97
81) Benzo(a)anthracene	14.027	228	28902	3.032	ng	97
83) Chrysene	14.063	228	26105m	2.966	ng	
88) Benzo(b)fluoranthene	15.086	252	26983m	4.295	ng	
90) Benzo(a)pyrene	15.457	252	18966	3.272	ng	# 93

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

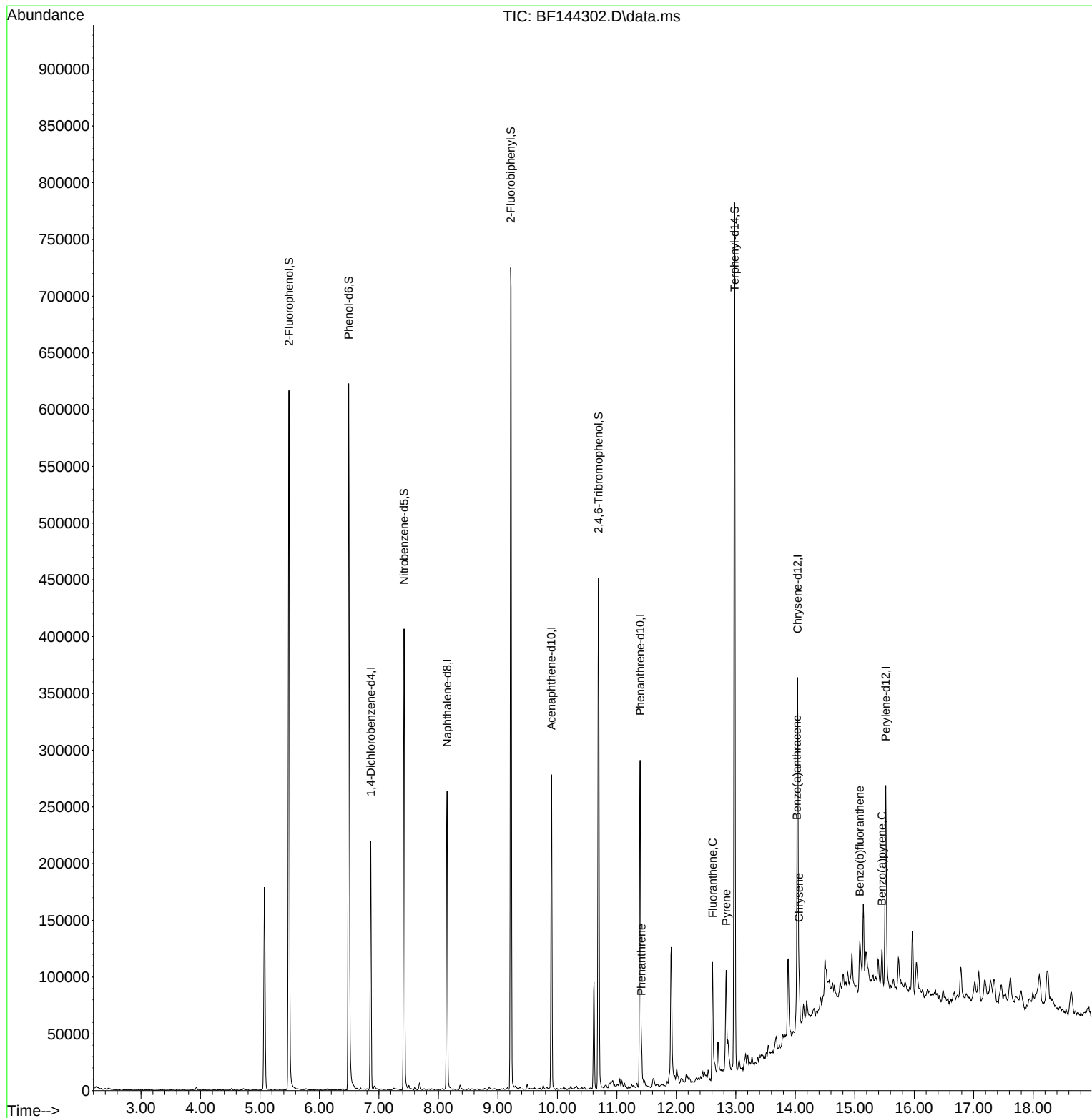
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144302.D
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Sample : Q3662-02
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ALS Vial : 14 Sample Multiplier: 1

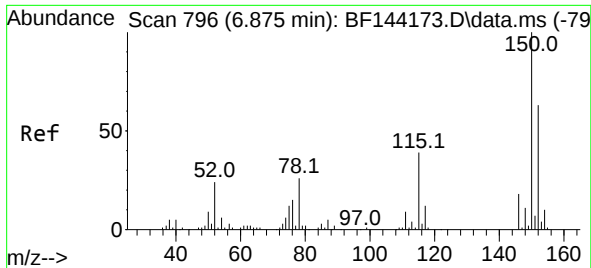
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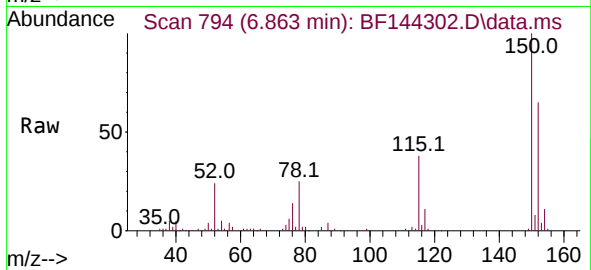
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

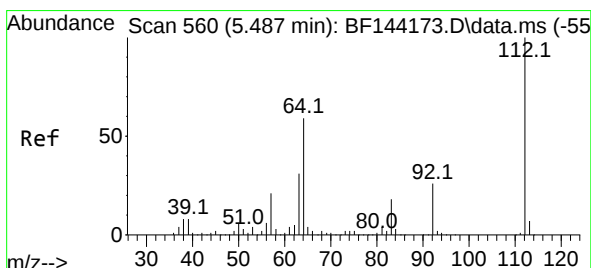
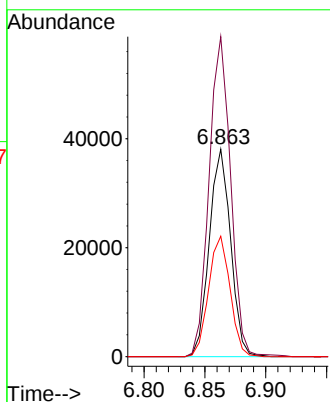
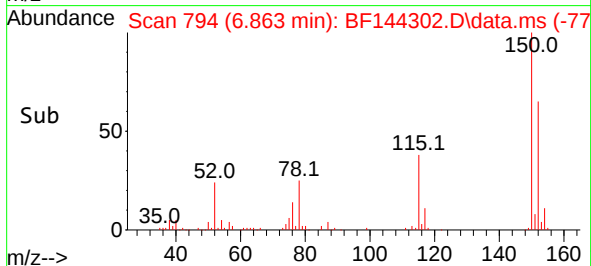
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117



Tgt Ion:152 Resp: 46510
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.0
115 58.1 49.5 74.3

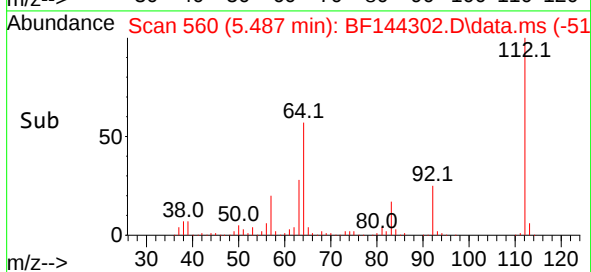
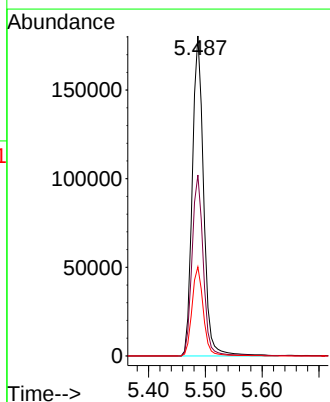
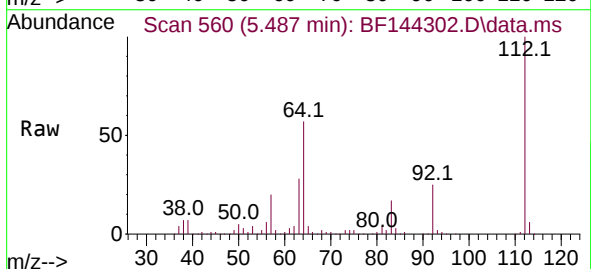
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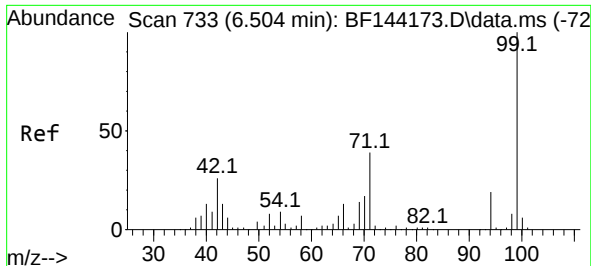
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#5
2-Fluorophenol
Concen: 83.801 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

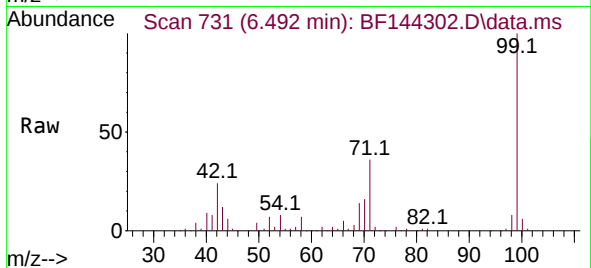
Tgt Ion:112 Resp: 249067
Ion Ratio Lower Upper
112 100
64 56.5 47.2 70.8
63 27.8 24.4 36.6





#7
Phenol-d6
Concen: 82.848 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

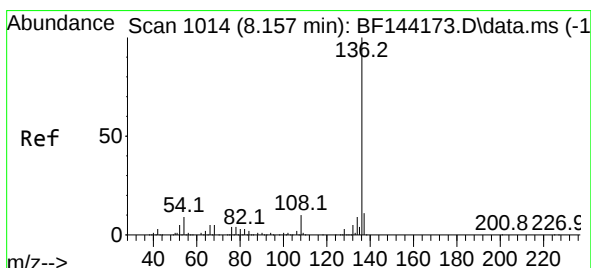
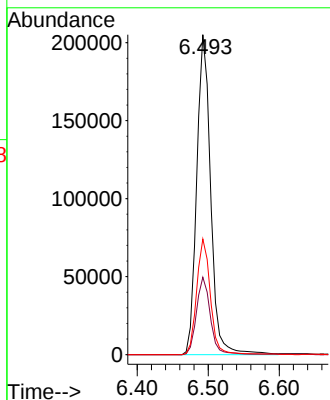
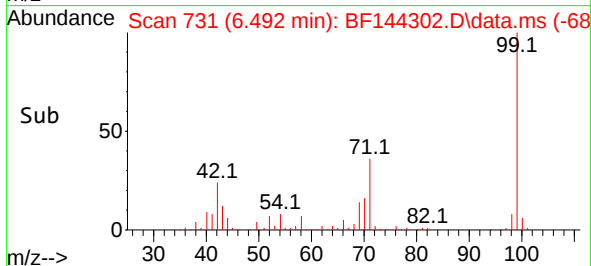
Instrument :
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B3-0.0-1.0-20251117



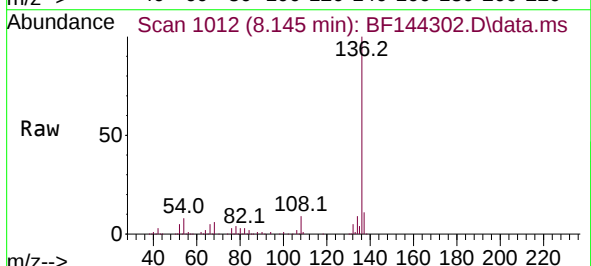
Tgt Ion: 99 Resp: 279004
Ion Ratio Lower Upper
99 100
42 24.2 20.9 31.3
71 36.1 31.4 47.2

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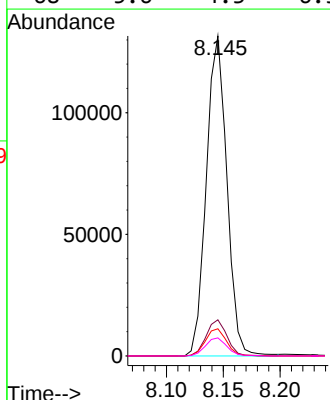
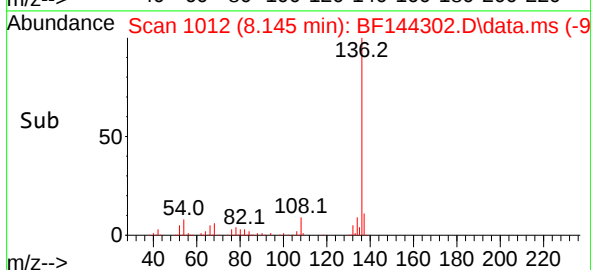
Reviewed By :Jagrut Upadhyay 11/21/2025
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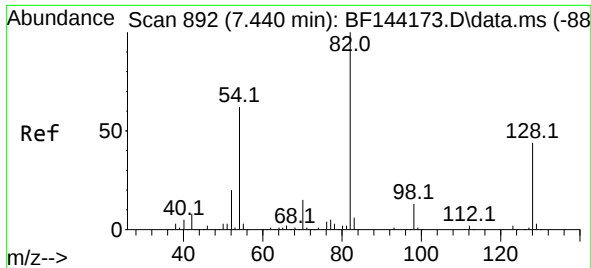


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56



Tgt Ion:136 Resp: 165994
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.5 7.0 10.6
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 59.081 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Instrument :

BNA_F

ClientSampleId :

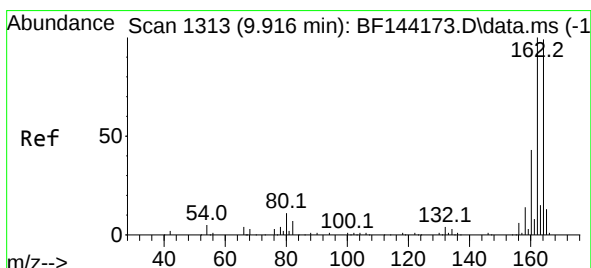
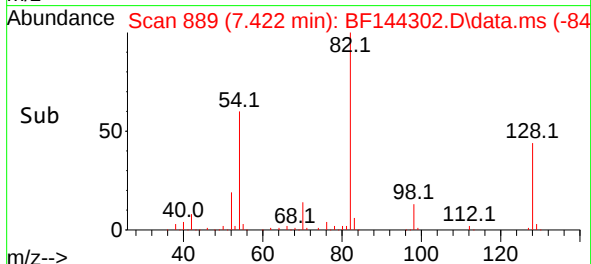
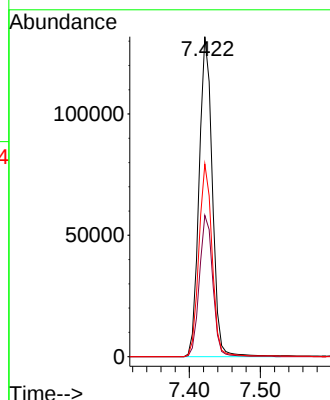
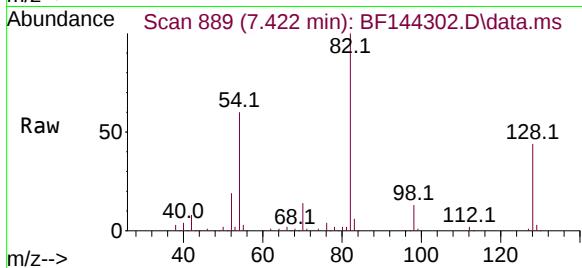
B3-0.0-1.0-20251117

Tgt Ion: 82 Resp: 169804
 Ion Ratio Lower Upper
 82 100
 128 44.1 34.7 52.1
 54 60.2 49.5 74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

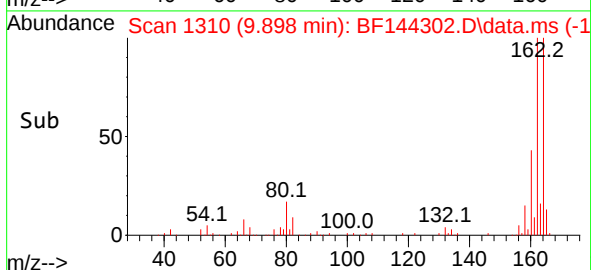
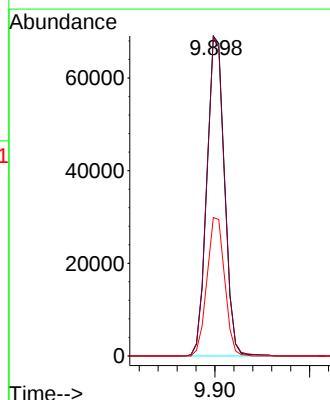
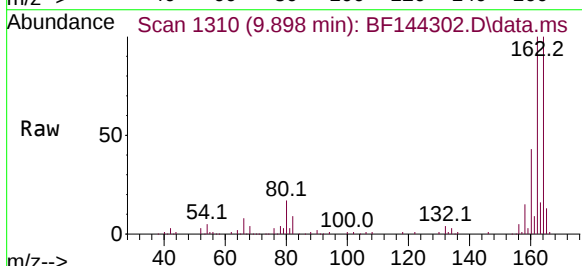
RT: 9.898 min Scan# 1310

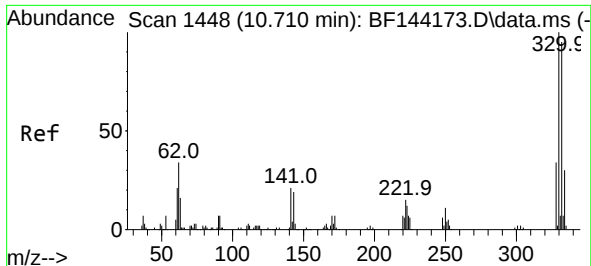
Delta R.T. -0.018 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

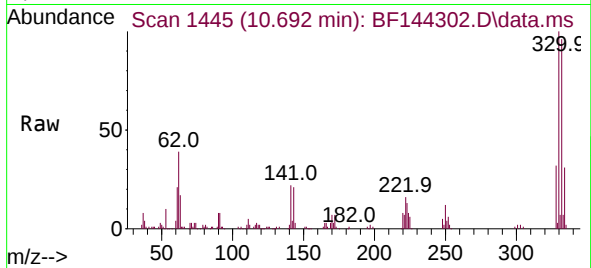
Tgt Ion:164 Resp: 89354
 Ion Ratio Lower Upper
 164 100
 162 99.7 81.1 121.7
 160 43.2 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 79.774 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

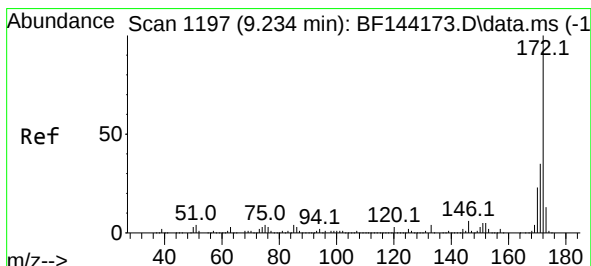
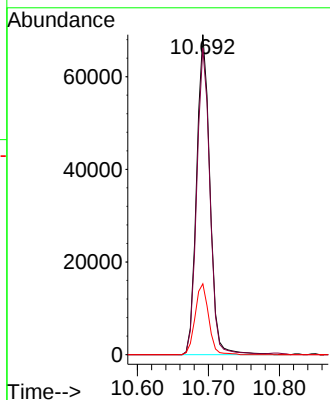
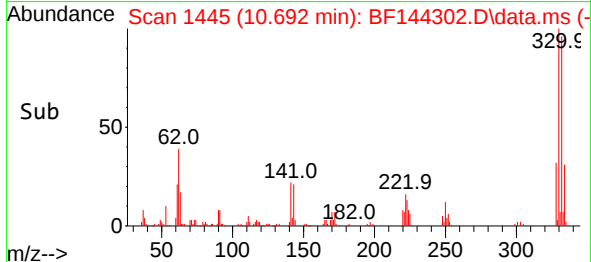
Instrument : BNA_F
ClientSampleId : B3-0.0-1.0-20251117



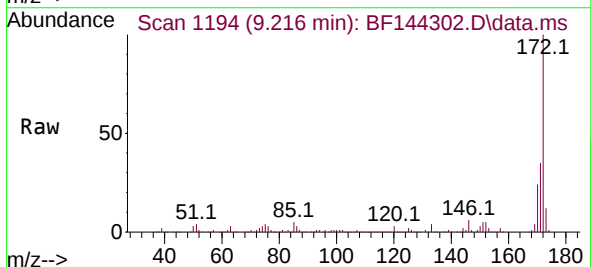
Tgt Ion: 330 Resp: 89450
Ion Ratio Lower Upper
330 100
332 94.7 76.7 115.1
141 22.4 17.8 26.8

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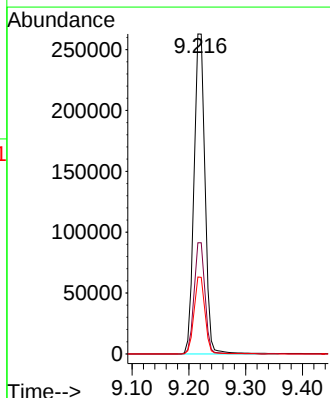
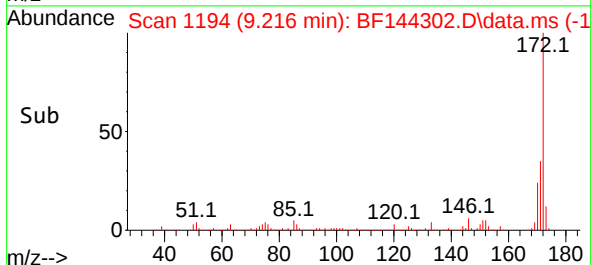
Reviewed By : Jagrut Upadhyay 11/21/2025
Supervised By : mohammad ahmed 11/22/2025

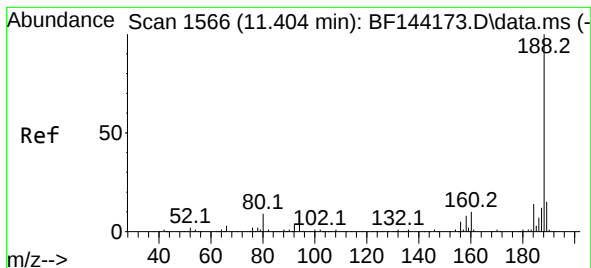


#45
2-Fluorobiphenyl
Concen: 58.119 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56



Tgt Ion: 172 Resp: 351619
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 24.0 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1566

Delta R.T. -0.012 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Instrument :

BNA_F

ClientSampleId :

B3-0.0-1.0-20251117

Tgt Ion:188 Resp: 158933

Ion Ratio Lower Upper

188 100

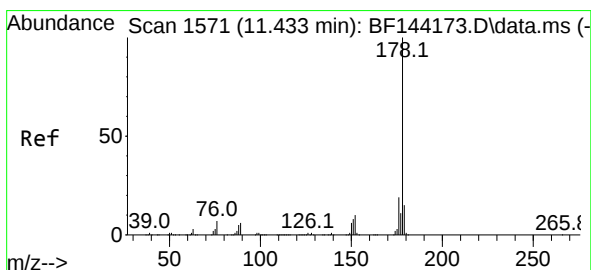
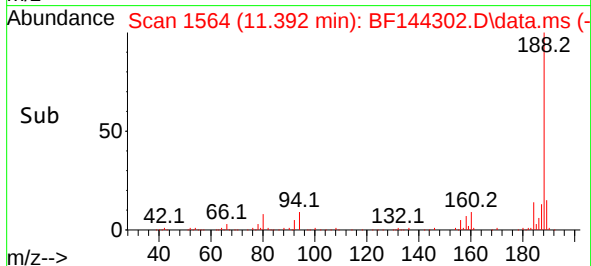
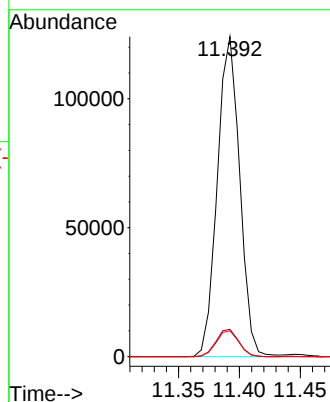
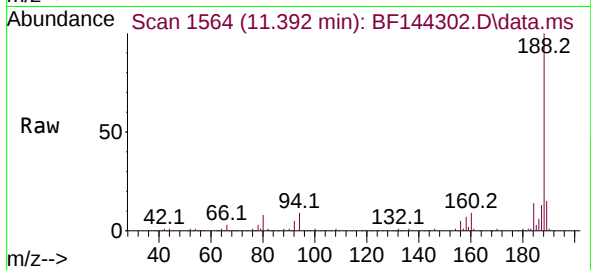
94 8.5 6.2 9.2

80 8.1 6.9 10.3

Manual Integrations

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Supervised By :mohammad ahmed 11/22/2025



#71

Phenanthrene

Concen: 2.410 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

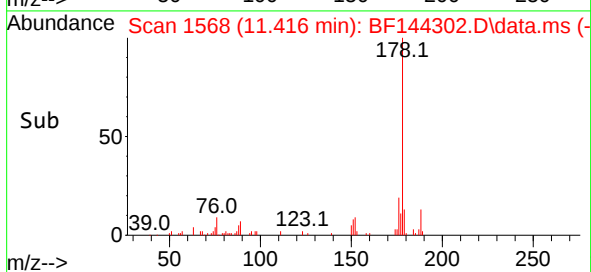
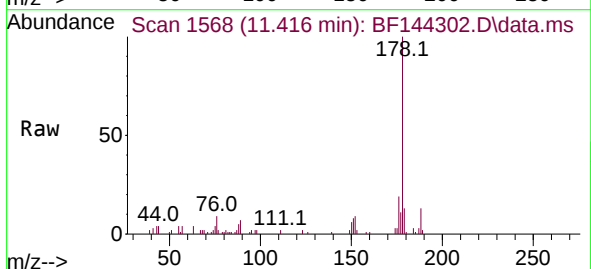
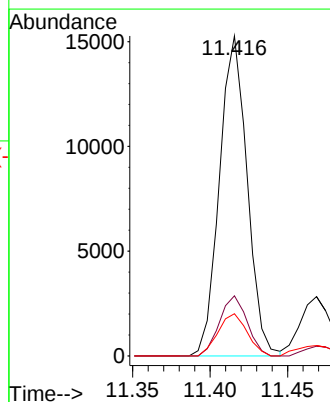
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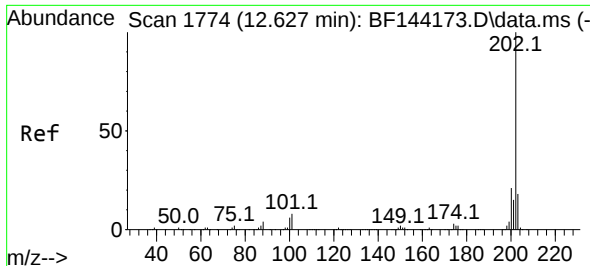
Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

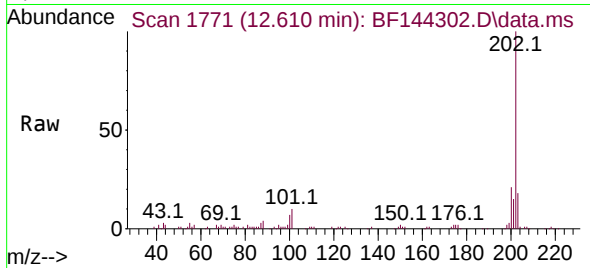
179 13.2 12.2 18.4





#75
Fluoranthene
Concen: 6.767 ng
RT: 12.610 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

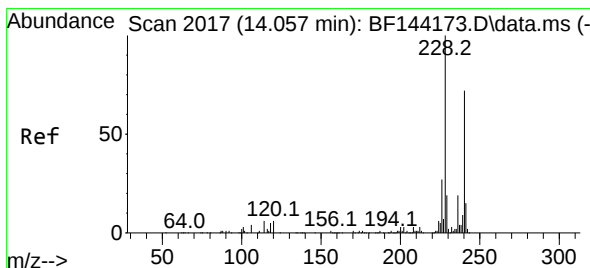
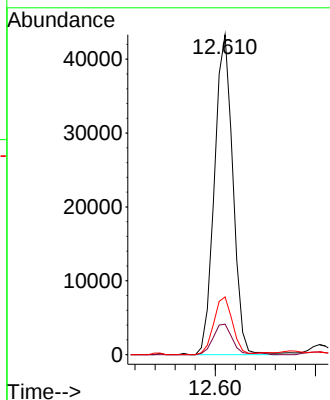
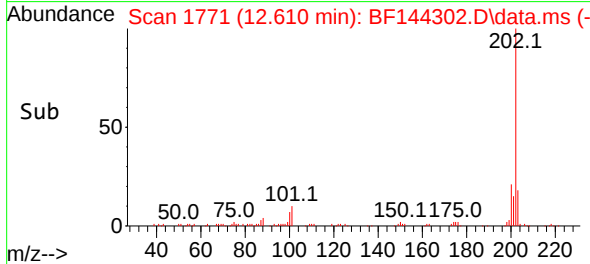
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117



Tgt Ion:202 Resp: 55313
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 18.0 0.0 37.5

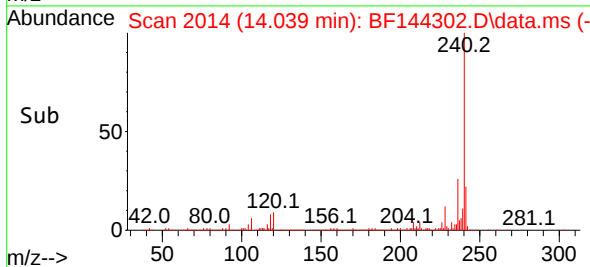
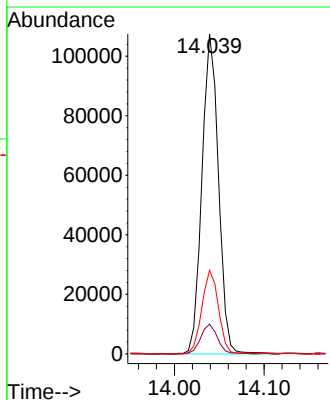
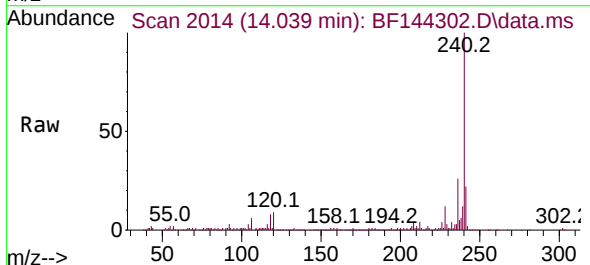
Manual Integrations
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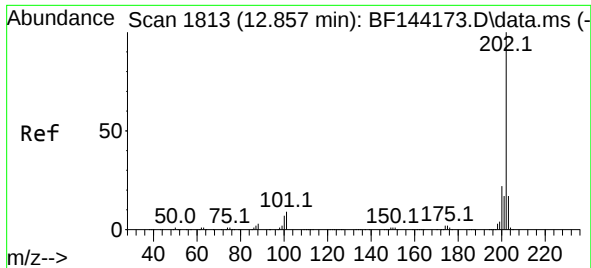
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:240 Resp: 137554
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 26.1 21.4 32.2





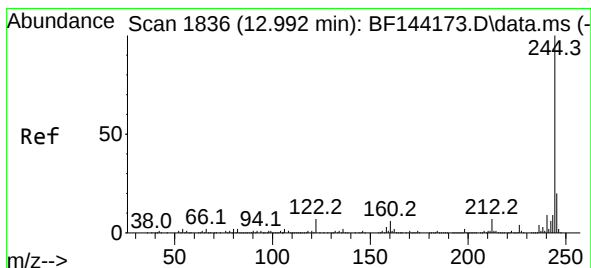
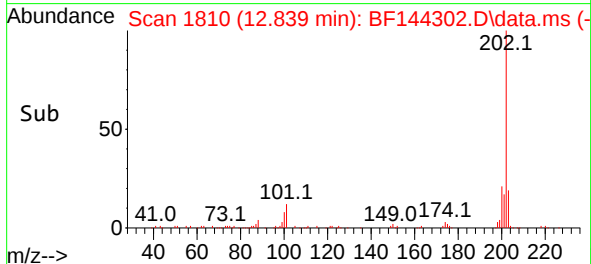
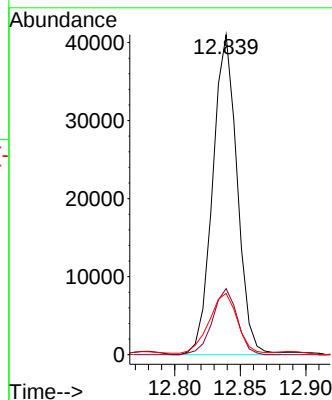
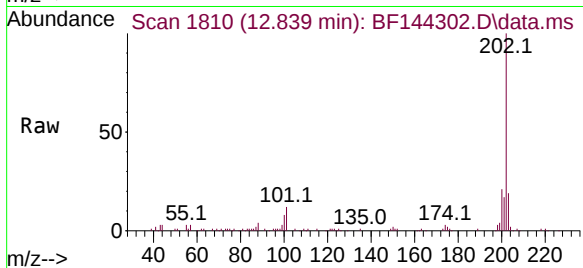
#78
Pyrene
Concen: 4.809 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117

Tgt Ion:202 Resp: 53335
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 19.1 13.7 20.5

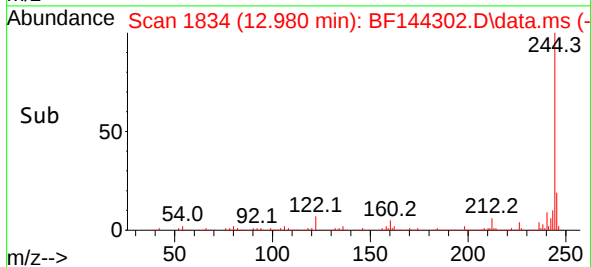
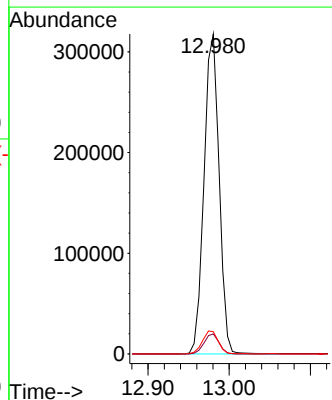
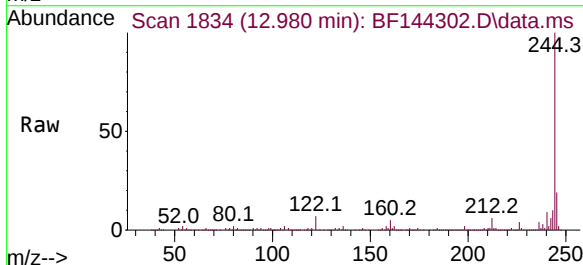
Manual Integrations
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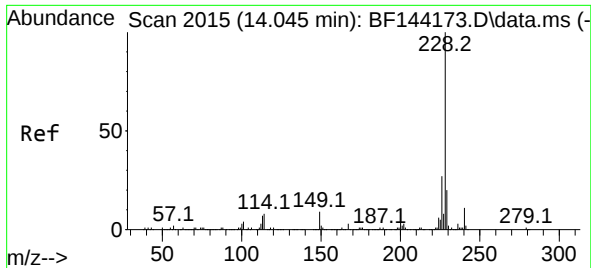
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#79
Terphenyl-d14
Concen: 47.485 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

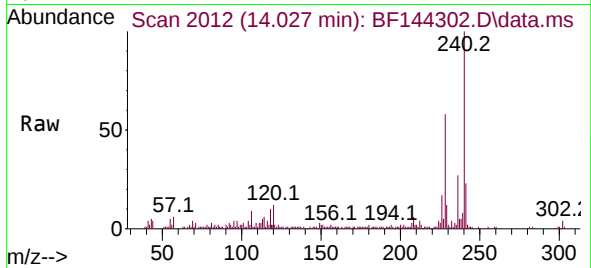
Tgt Ion:244 Resp: 411215
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 6.9 5.6 8.4





#81
Benzo(a)anthracene
Concen: 3.032 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

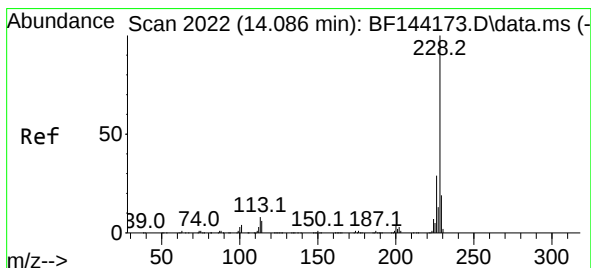
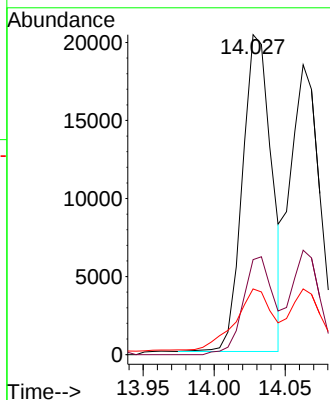
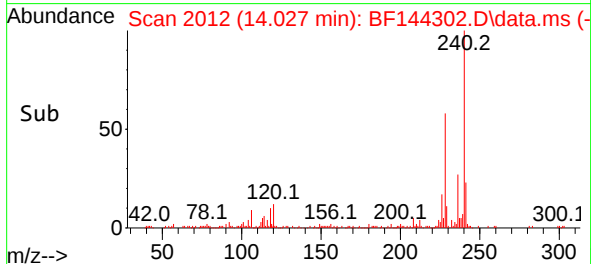
Instrument :
BNA_F
ClientSampleId :
B3-0.0-1.0-20251117



Tgt Ion:228 Resp: 28902
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 20.5 15.8 23.6

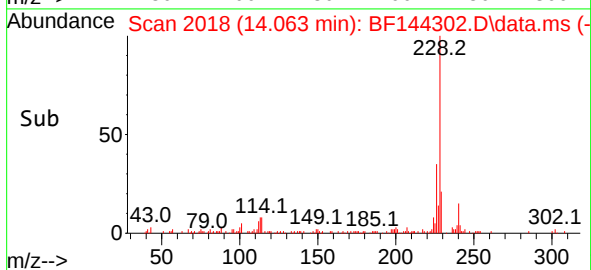
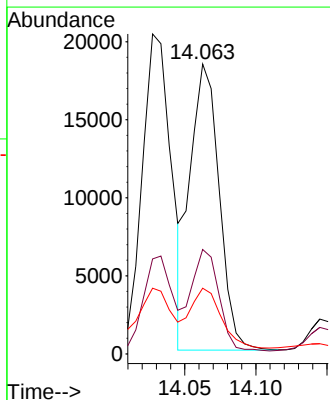
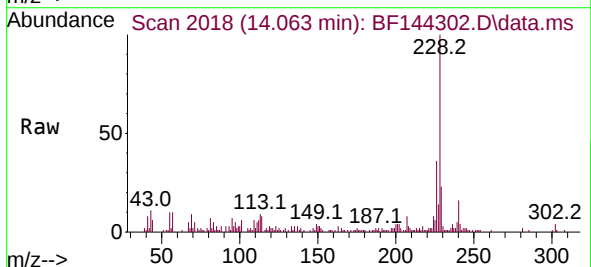
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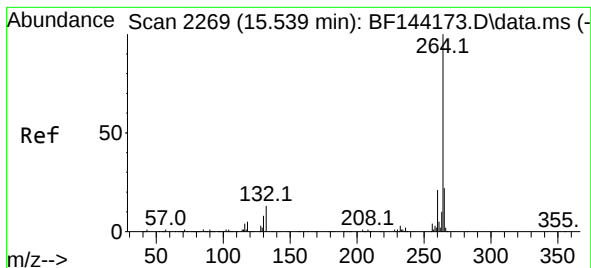
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#83
Chrysene
Concen: 2.966 ng m
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Tgt Ion:228 Resp: 26105
Ion Ratio Lower Upper
228 100
226 36.0 22.9 34.3#
229 22.7 15.0 22.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2110

Delta R.T. -0.018 min

Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Instrument :

BNA_F

ClientSampleId :

B3-0.0-1.0-20251117

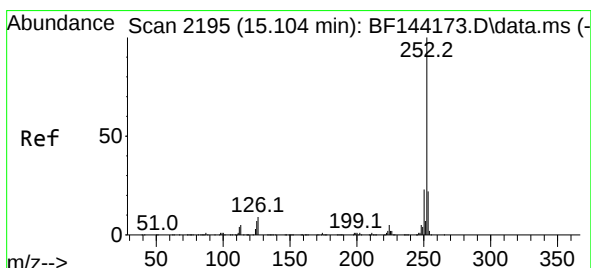
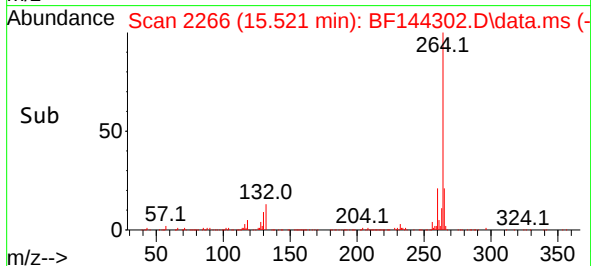
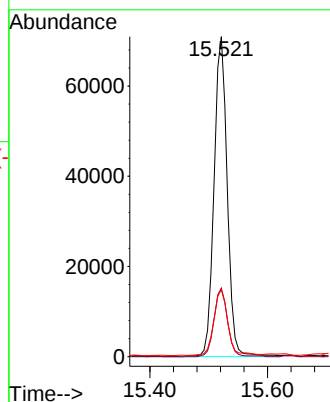
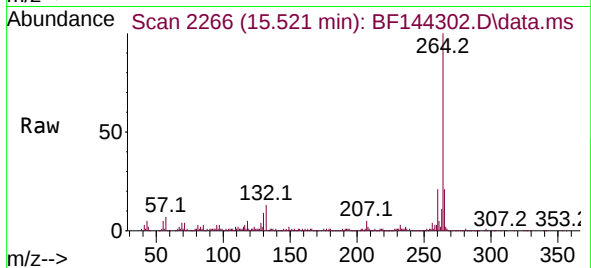
Tgt Ion:264 Resp: 110506

Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.1	25.7
265	20.9	17.4	26.0

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Supervised By :mohammad ahmed 11/22/2025



#88

Benzo(b)fluoranthene

Concen: 4.295 ng m

RT: 15.086 min Scan# 2192

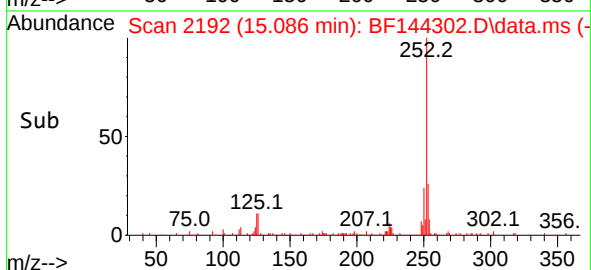
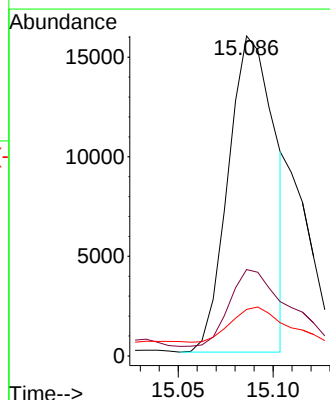
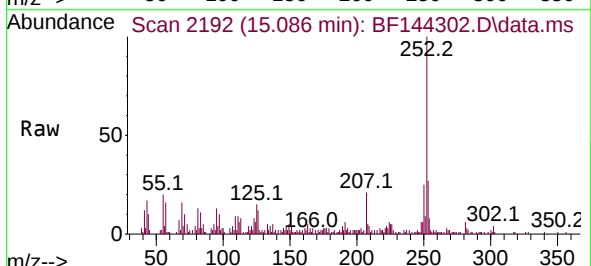
Delta R.T. -0.012 min

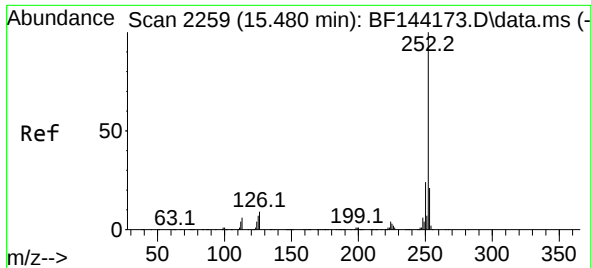
Lab File: BF144302.D

Acq: 20 Nov 2025 18:56

Tgt Ion:252 Resp: 26983

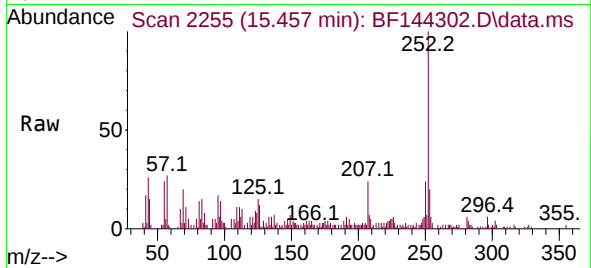
Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.4	26.2#
125	14.5	5.3	7.9#





#90
Benzo(a)pyrene
Concen: 3.272 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144302.D
Acq: 20 Nov 2025 18:56

Instrument : BNA_F
ClientSampleId : B3-0.0-1.0-20251117



Tgt Ion:252 Resp: 18966
Ion Ratio Lower Upper
252 100
253 20.3 16.7 25.1
125 15.4 5.7 8.5

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Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

