

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143354.D
 Acq On : 12 Aug 2025 15:33
 Operator : RC/JU
 Sample : Q2807-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/13/2025
 Supervised By :Jagrut Upadhyay 08/13/2025

Quant Time: Aug 12 16:28:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	133341	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	496028	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	252686	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	396419	20.000	ng	0.00
76) Chrysene-d12	14.086	240	326252	20.000	ng	0.00
86) Perylene-d12	15.574	264	388136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	500259	64.877	ng	0.00
7) Phenol-d6	6.557	99	628828	63.594	ng	0.00
23) Nitrobenzene-d5	7.481	82	392684	49.299	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	142044	76.918	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	729304	48.943	ng	0.00
79) Terphenyl-d14	13.027	244	708125	38.750	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	61468	2.842	ng	99
75) Fluoranthene	12.663	202	91709	4.841	ng	99
78) Pyrene	12.892	202	82177	3.003	ng	99
81) Benzo(a)anthracene	14.074	228	49780	2.401	ng	99
83) Chrysene	14.110	228	44104m	2.281	ng	
88) Benzo(b)fluoranthene	15.139	252	58241m	2.743	ng	
90) Benzo(a)pyrene	15.510	252	43661	2.184	ng	# 96

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

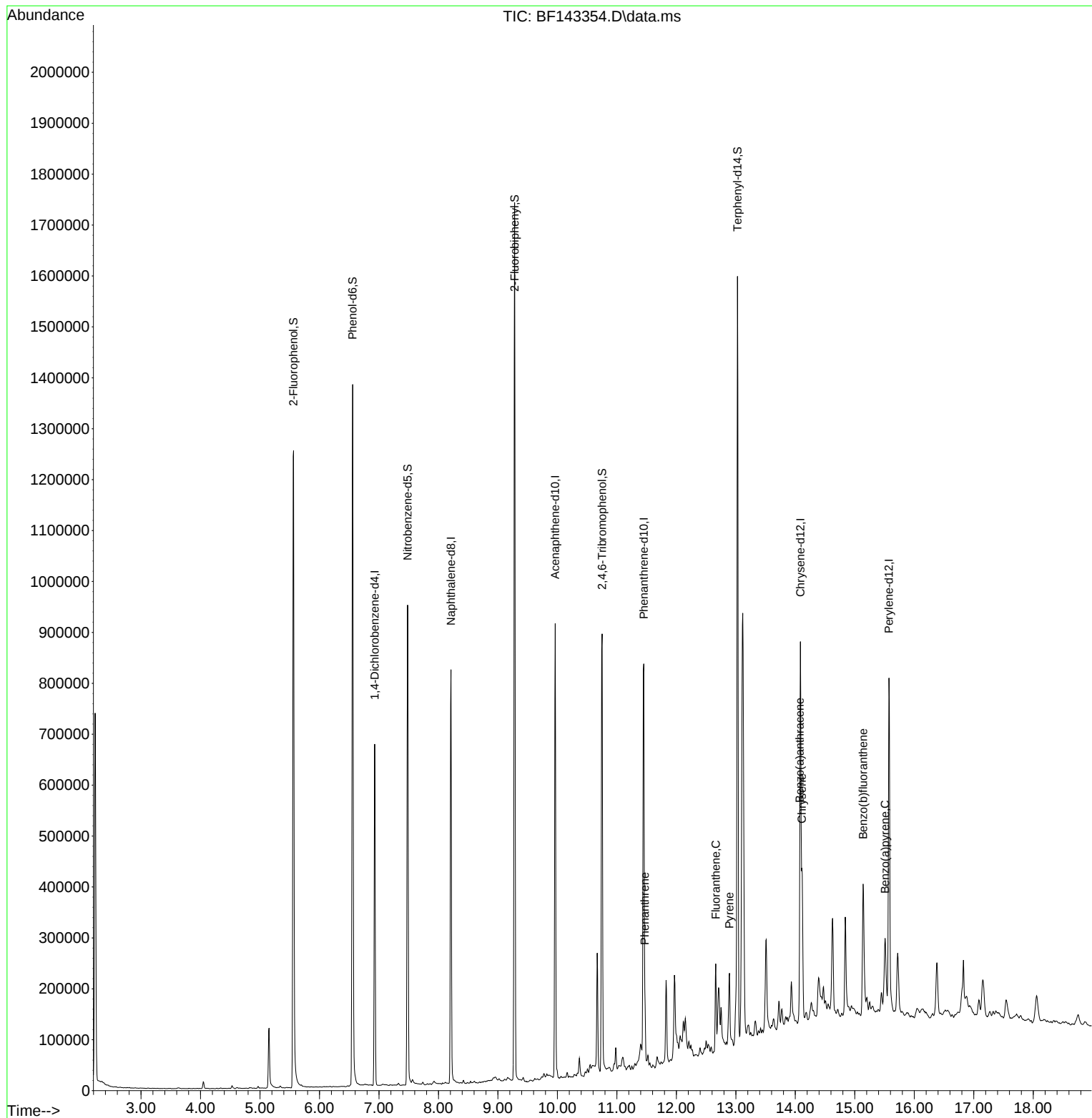
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143354.D
Acq On : 12 Aug 2025 15:33
Operator : RC/JU
Sample : Q2807-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

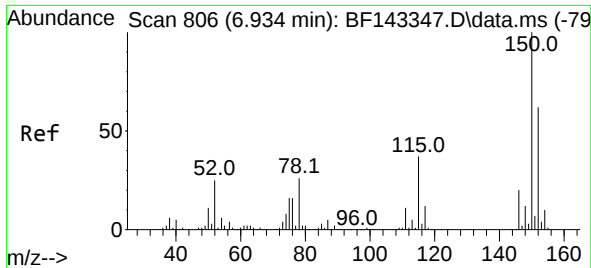
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COMP-5

Quant Time: Aug 12 16:28:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
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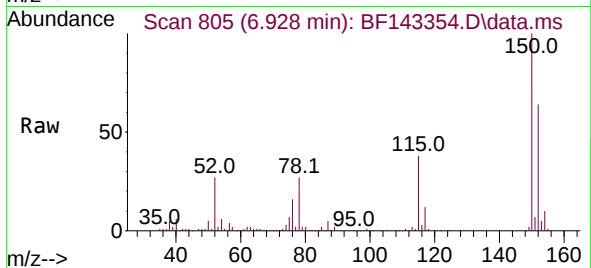
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

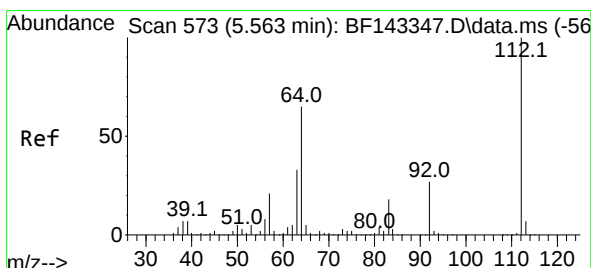
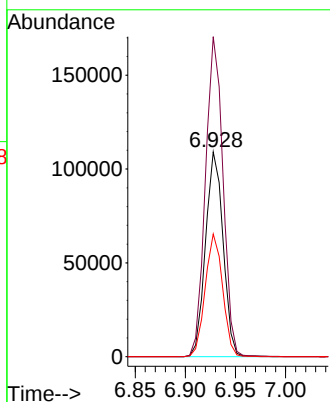
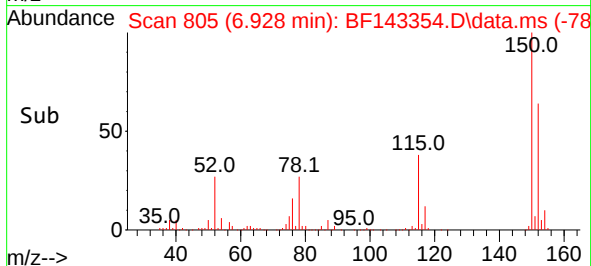
Instrument :
BNA_F
ClientSampleId :
COMP-5



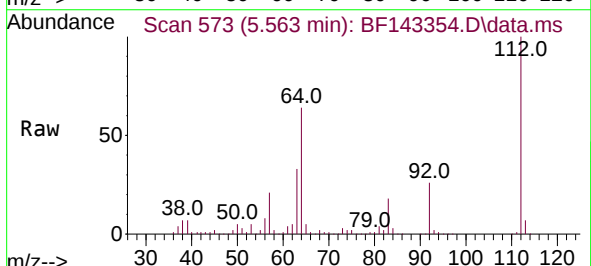
Tgt Ion:152 Resp: 13334
Ion Ratio Lower Upper
152 100
150 156.2 129.8 194.8
115 59.9 47.8 71.8

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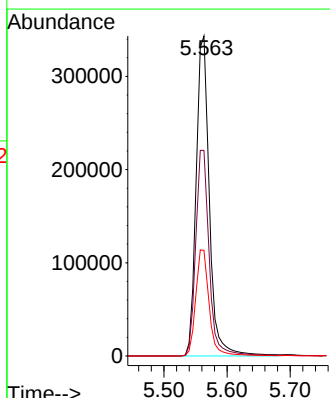
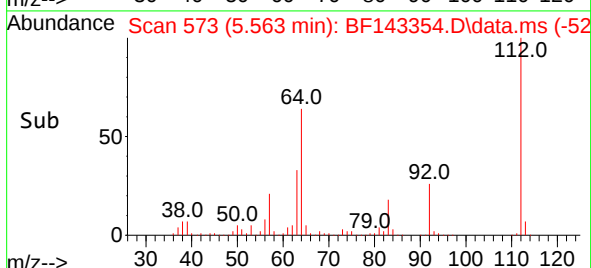
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

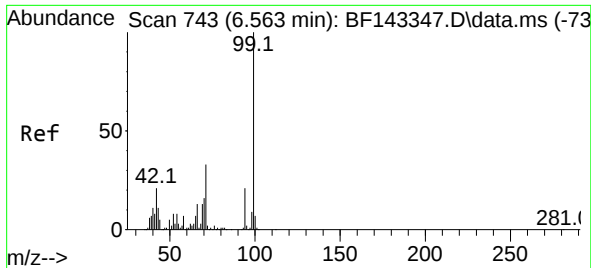


#5
2-Fluorophenol
Concen: 64.877 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33



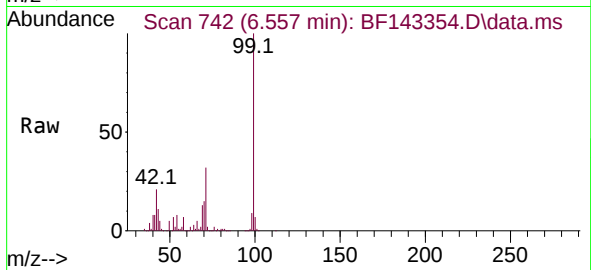
Tgt Ion:112 Resp: 500259
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 33.0 26.6 39.8





#7
Phenol-d6
Concen: 63.594 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

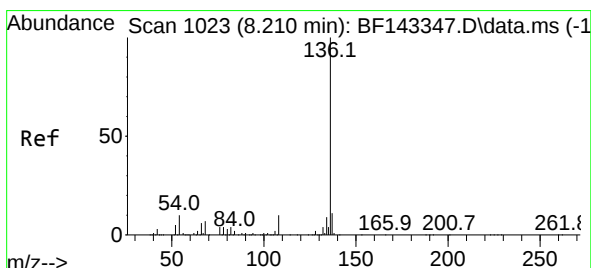
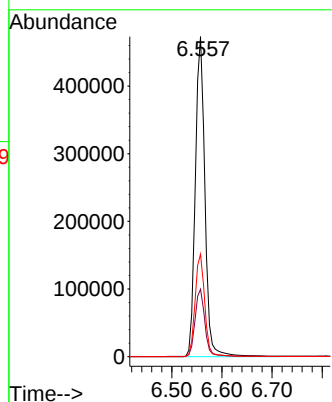
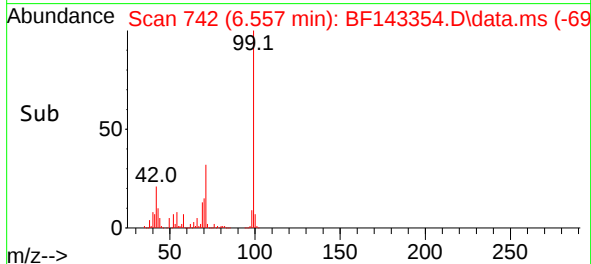
Instrument :
BNA_F
ClientSampleId :
COMP-5



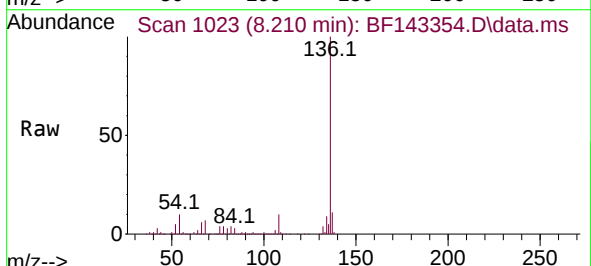
Tgt Ion: 99 Resp: 628828
Ion Ratio Lower Upper
99 100
42 21.1 16.6 25.0
71 32.1 26.2 39.2

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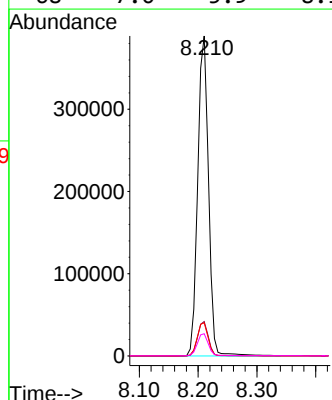
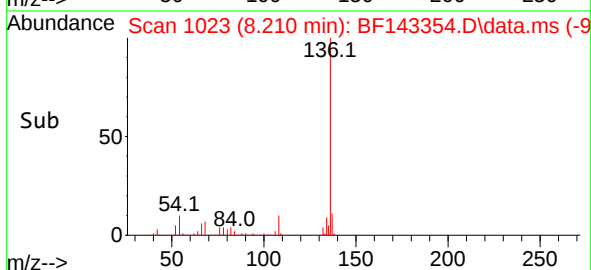
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

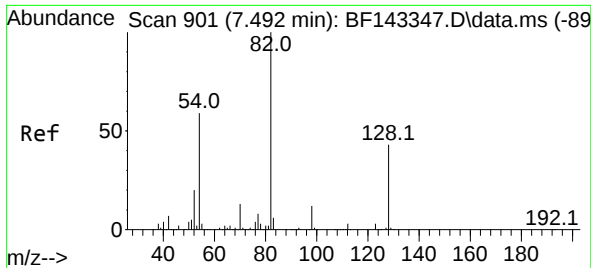


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33



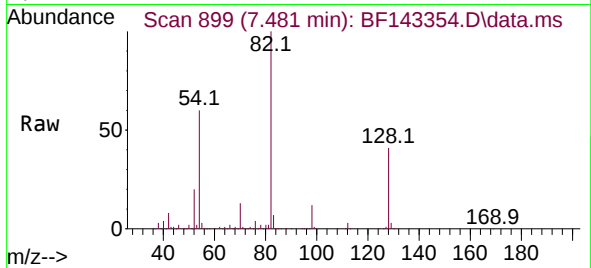
Tgt Ion:136 Resp: 496028
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.4 8.4 12.6
68 7.0 5.9 8.9





#23
Nitrobenzene-d5
Concen: 49.299 ng
RT: 7.481 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

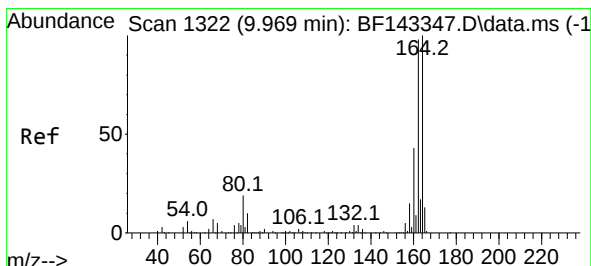
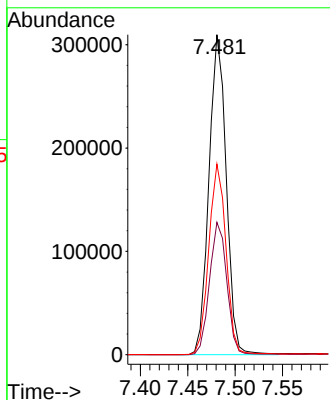
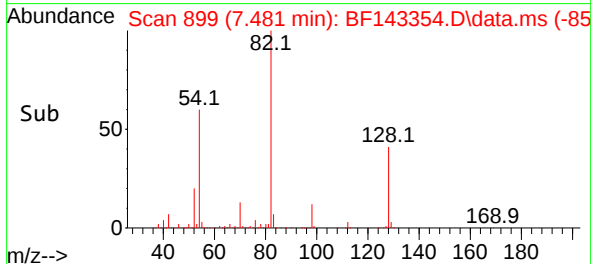
Instrument :
BNA_F
ClientSampleId :
COMP-5



Tgt Ion: 82 Resp: 392684
Ion Ratio Lower Upper
82 100
128 41.3 33.5 50.3
54 59.6 46.7 70.1

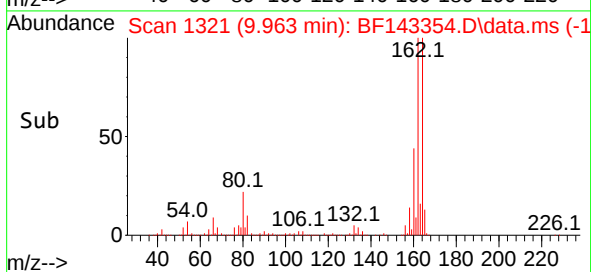
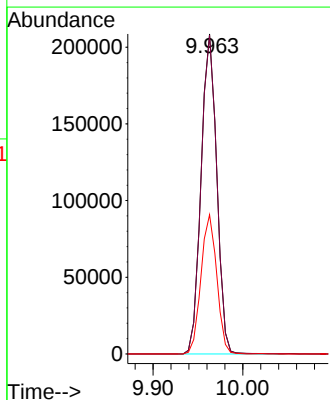
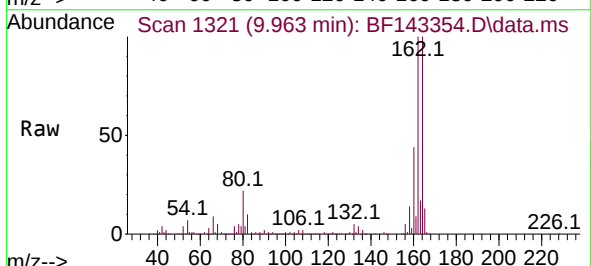
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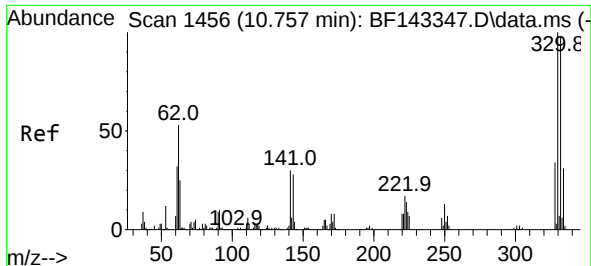
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

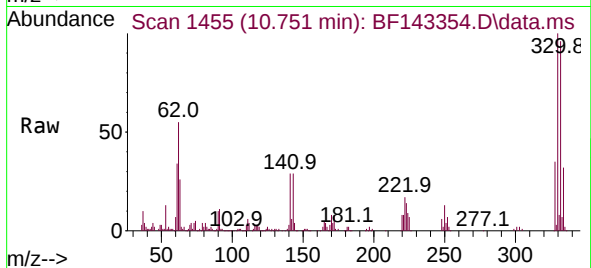
Tgt Ion:164 Resp: 252686
Ion Ratio Lower Upper
164 100
162 99.6 78.6 118.0
160 43.5 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 76.918 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

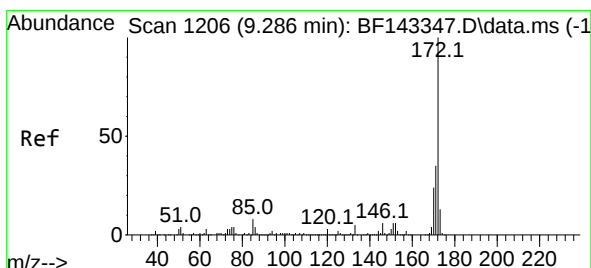
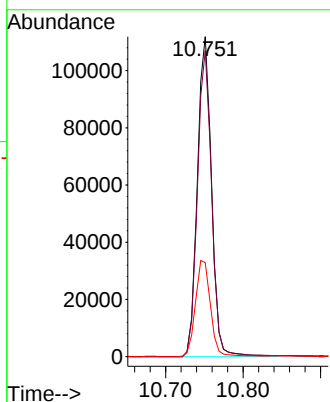
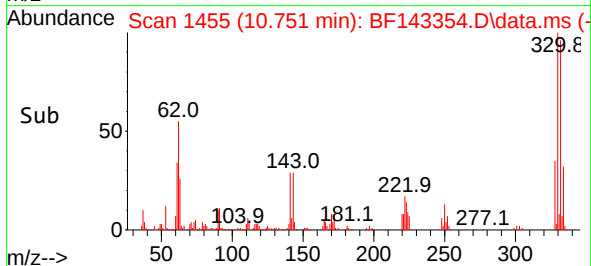
Instrument :
BNA_F
ClientSampleId :
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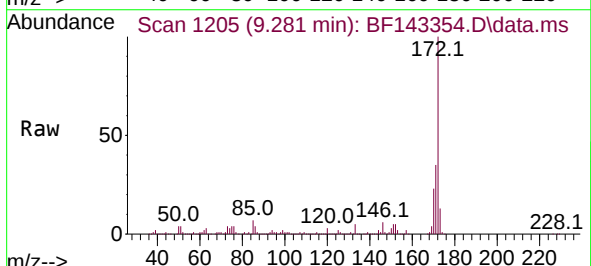
Tgt Ion: 330 Resp: 142044
Ion Ratio Lower Upper
330 100
332 96.6 78.1 117.1
141 32.2 25.4 38.0

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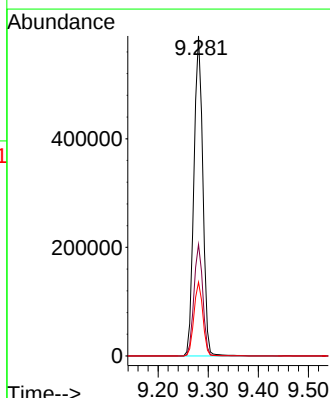
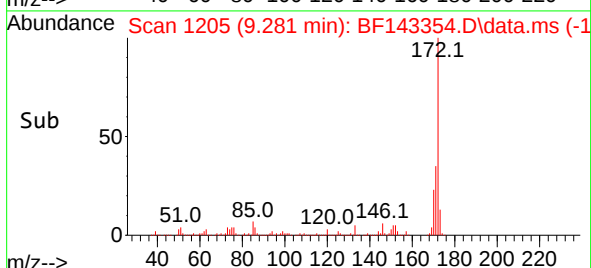
Reviewed By :Rahul Chavli 08/13/2025
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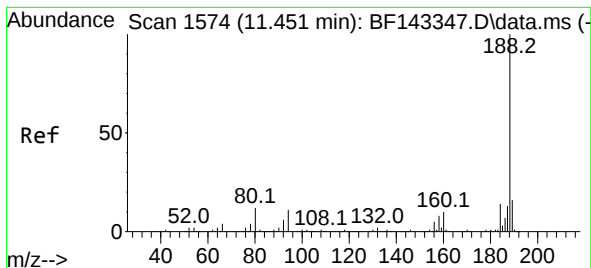


#45
2-Fluorobiphenyl
Concen: 48.943 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33



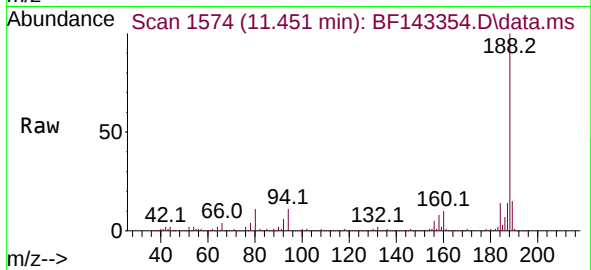
Tgt Ion: 172 Resp: 729304
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.0 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

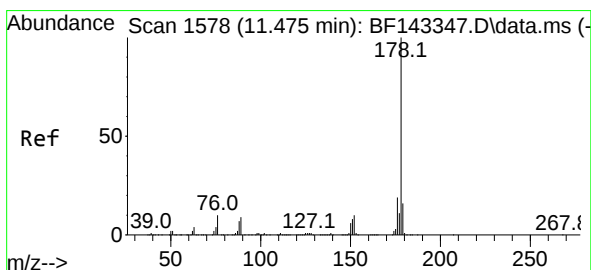
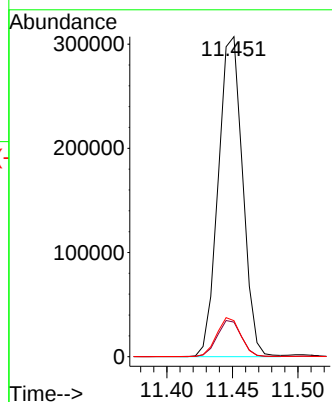
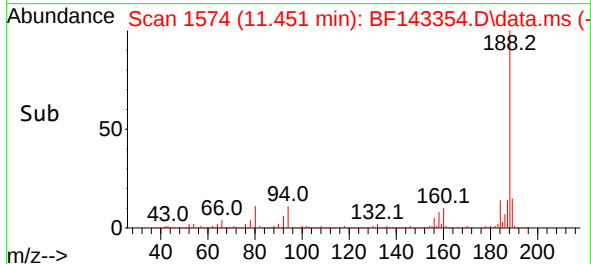
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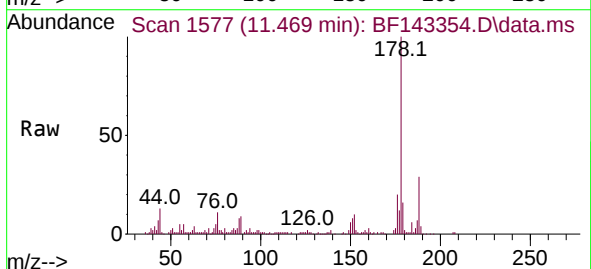
Tgt Ion:188 Resp: 396419
Ion Ratio Lower Upper
188 100
94 10.8 8.8 13.2
80 11.2 9.7 14.5

Manual Integrations
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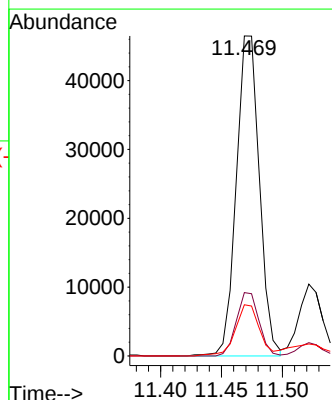
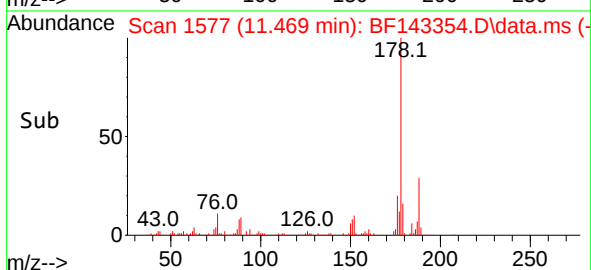
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

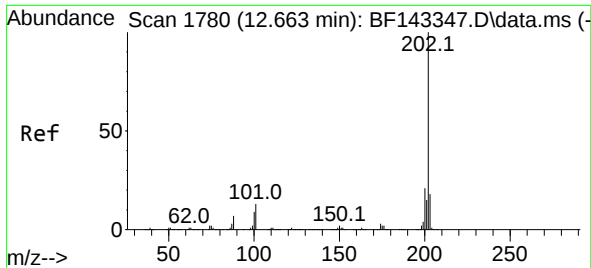


#71
Phenanthrene
Concen: 2.842 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33



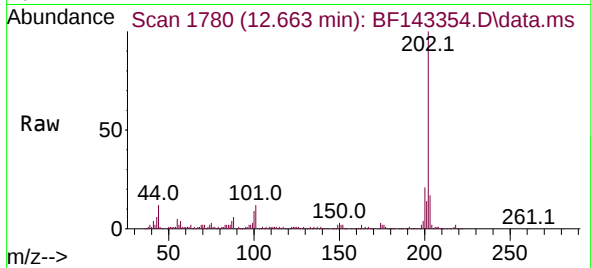
Tgt Ion:178 Resp: 61468
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 16.0 12.5 18.7





#75
Fluoranthene
Concen: 4.841 ng
RT: 12.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

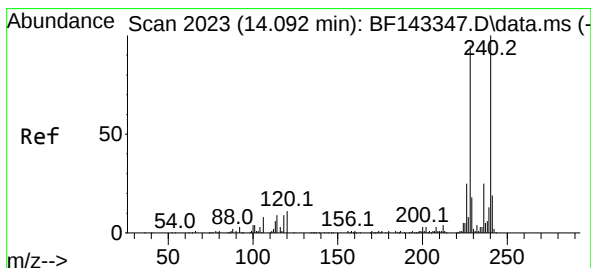
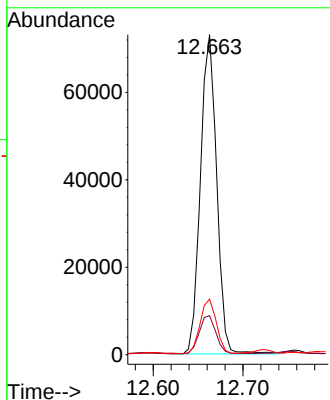
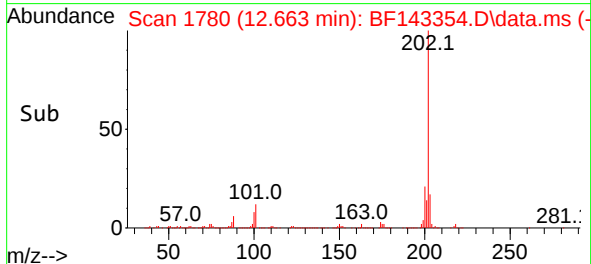
Instrument :
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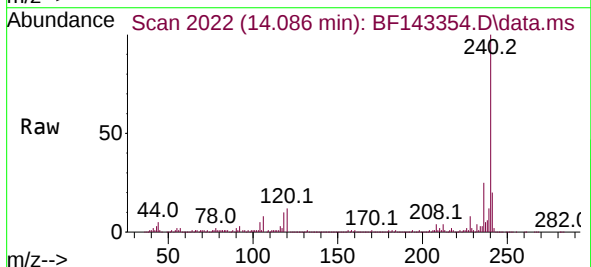
Tgt Ion:202 Resp: 91709
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.2
203 17.4 0.0 37.6

Manual Integrations
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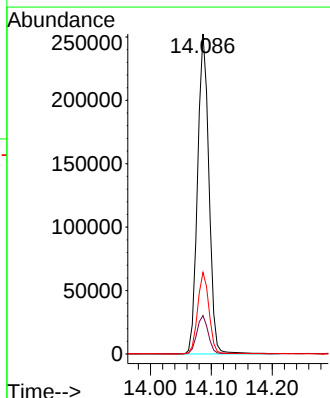
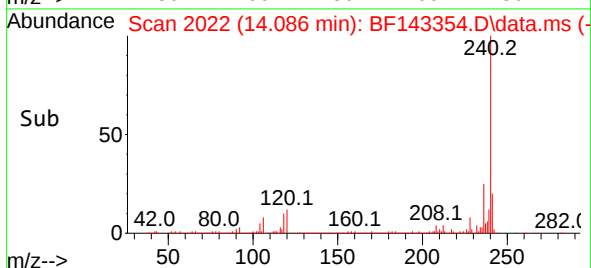
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

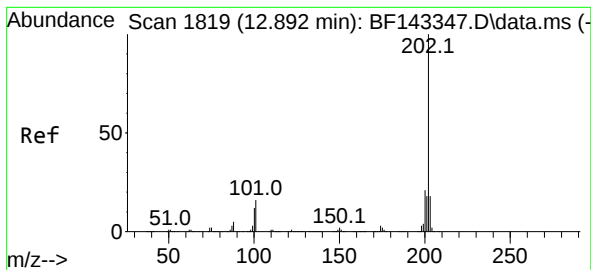


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33



Tgt Ion:240 Resp: 326252
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.6
236 25.5 19.9 29.9





#78

Pyrene

Concen: 3.003 ng

RT: 12.892 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

Instrument :

BNA_F

ClientSampleId :

COMP-5

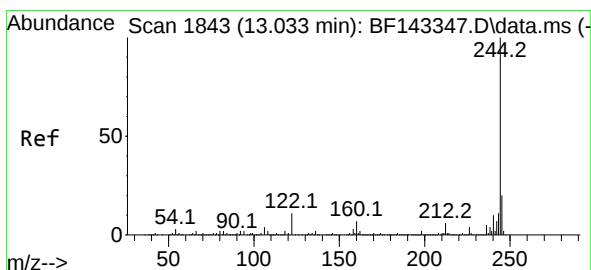
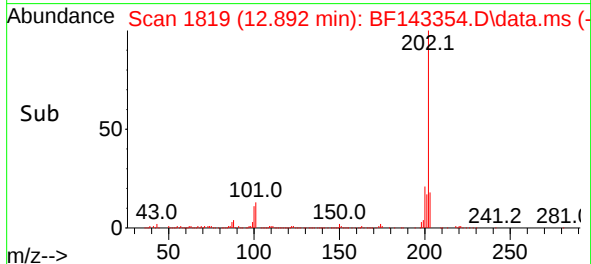
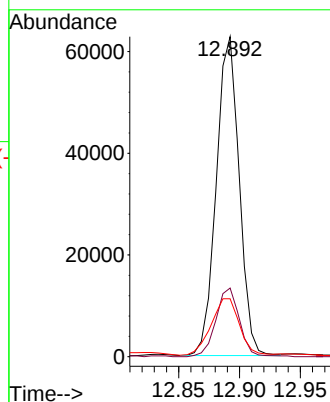
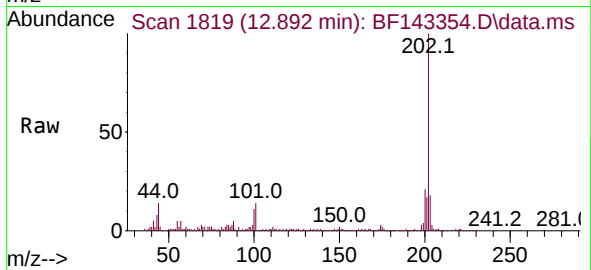
Tgt Ion:202	Resp:	8217
Ion Ratio	Lower	Upper
202	100	
200	21.5	16.8 25.2
203	18.1	14.2 21.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 38.750 ng

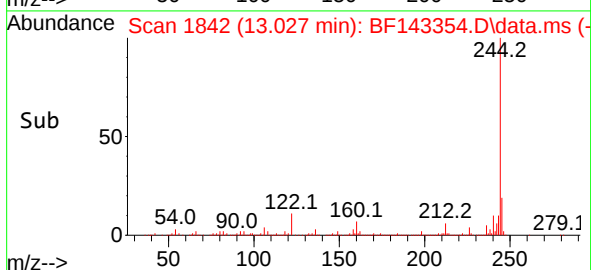
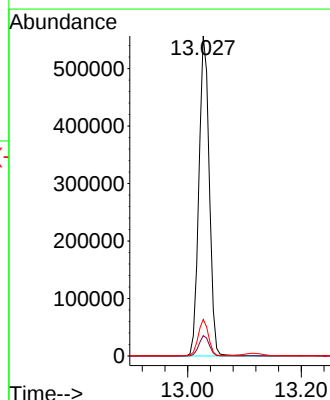
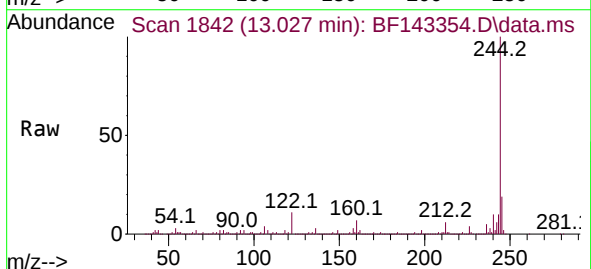
RT: 13.027 min Scan# 1842

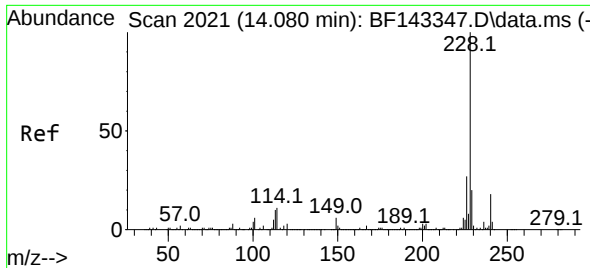
Delta R.T. -0.006 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

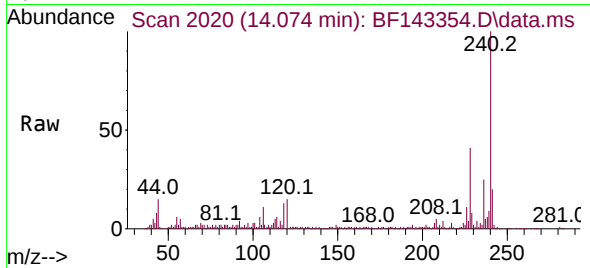
Tgt Ion:244	Resp:	708125
Ion Ratio	Lower	Upper
244	100	
212	6.3	5.1 7.7
122	11.4	8.9 13.3





#81
Benzo(a)anthracene
Concen: 2.401 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

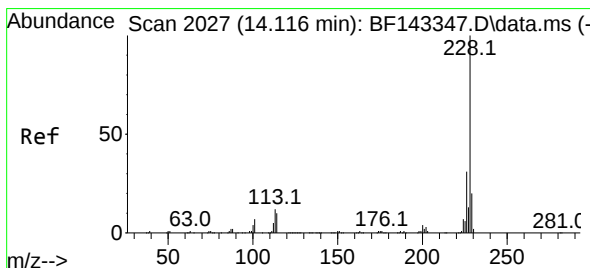
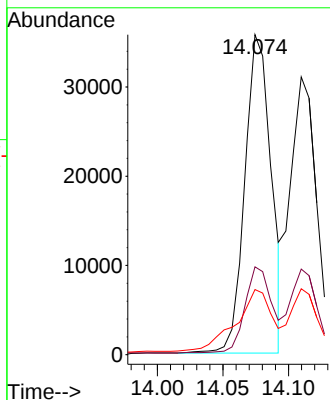
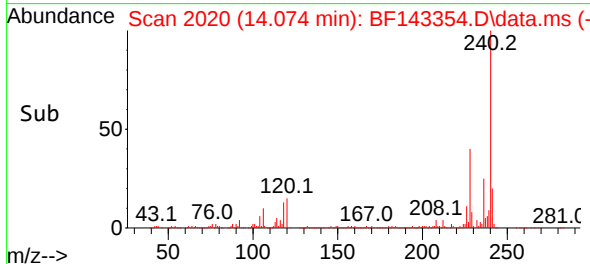
Instrument :
BNA_F
ClientSampleId :
COMP-5



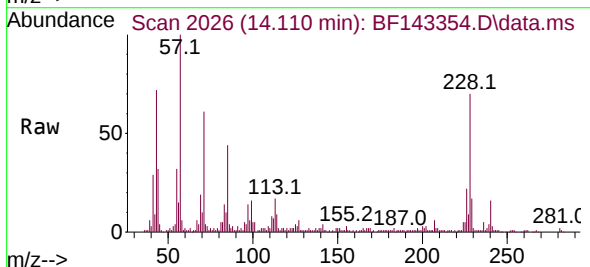
Tgt Ion:228 Resp: 49780
Ion Ratio Lower Upper
228 100
226 27.5 22.0 33.0
229 20.4 15.8 23.8

Manual Integrations
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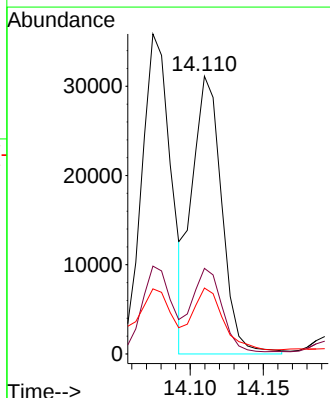
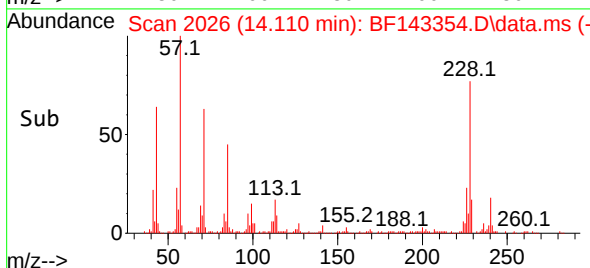
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

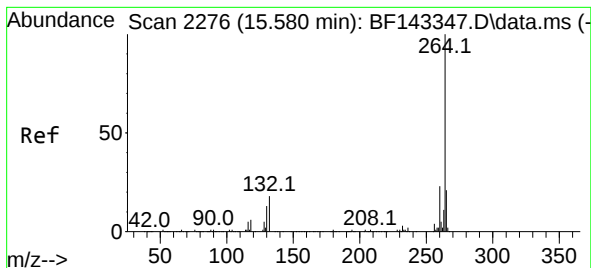


#83
Chrysene
Concen: 2.281 ng m
RT: 14.110 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33



Tgt Ion:228 Resp: 44104
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 23.7 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

Instrument :

BNA_F

ClientSampleId :

COMP-5

Tgt Ion:264 Resp: 388130

Ion Ratio Lower Upper

264 100

260 22.9 18.7 28.1

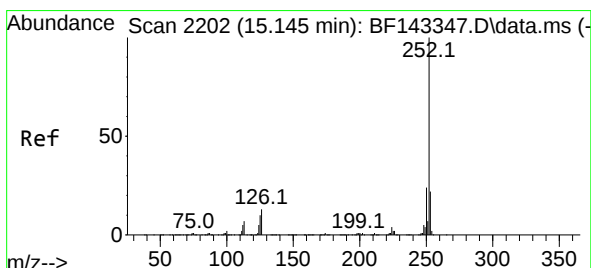
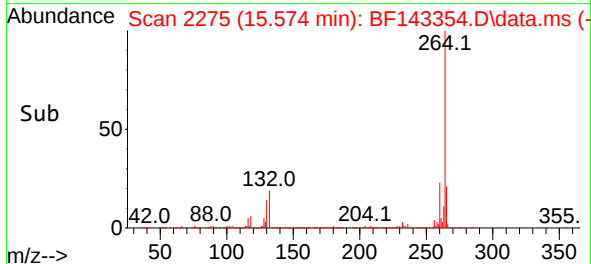
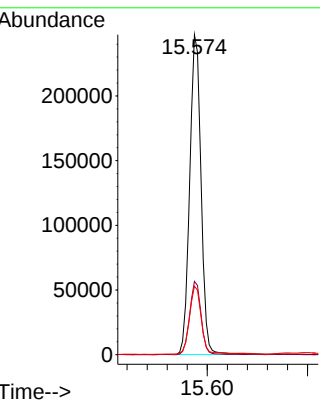
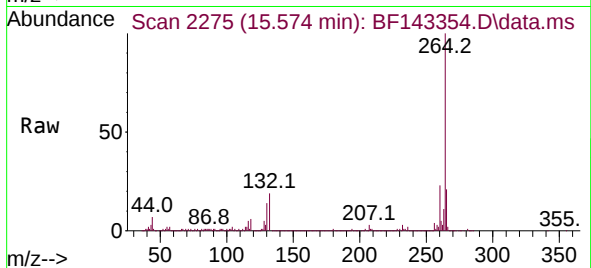
265 21.4 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#88

Benzo(b)fluoranthene

Concen: 2.743 ng m

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

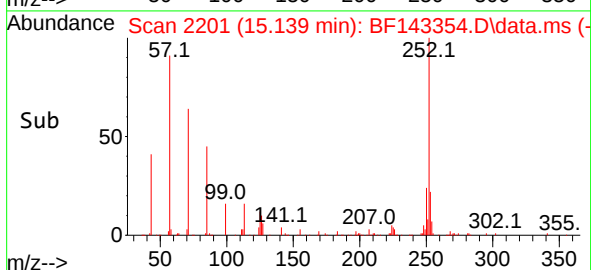
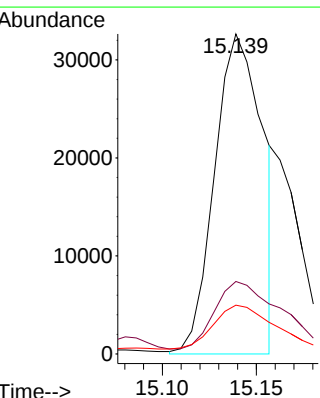
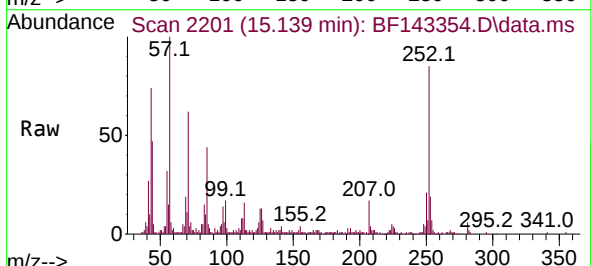
Tgt Ion:252 Resp: 58241

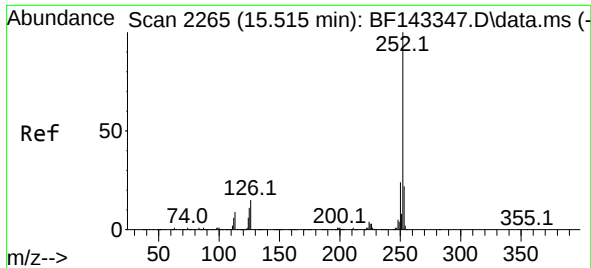
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 15.3 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 2.184 ng

RT: 15.510 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143354.D

Acq: 12 Aug 2025 15:33

Instrument :

BNA_F

ClientSampleId :

COMP-5

Tgt Ion:252 Resp: 4366

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 14.6 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025

