

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143240.D
 Acq On : 24 Jul 2025 18:25
 Operator : RC/JU
 Sample : Q2675-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-07222025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/25/2025
 Supervised By :Jagrut Upadhyay 07/25/2025

Quant Time: Jul 25 01:18:22 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	90832	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	320973	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	159082	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	276285	20.000	ng	0.00
76) Chrysene-d12	14.121	240	242202	20.000	ng	0.00
86) Perylene-d12	15.627	264	161846	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	231361	40.307	ng	0.00
7) Phenol-d6	6.581	99	280182	38.781	ng	0.00
23) Nitrobenzene-d5	7.510	82	174071	27.033	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	66976	40.754	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	332362	28.573	ng	0.00
79) Terphenyl-d14	13.063	244	381441	23.436	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.504	178	32534	2.218	ng	99
75) Fluoranthene	12.698	202	87725	6.515	ng	99
78) Pyrene	12.921	202	83156	4.023	ng	98
81) Benzo(a)anthracene	14.110	228	47254	2.914	ng	# 94
83) Chrysene	14.145	228	38861	2.666	ng	# 93
88) Benzo(b)fluoranthene	15.180	252	39873m	4.033	ng	
90) Benzo(a)pyrene	15.557	252	25983	2.852	ng	# 85

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

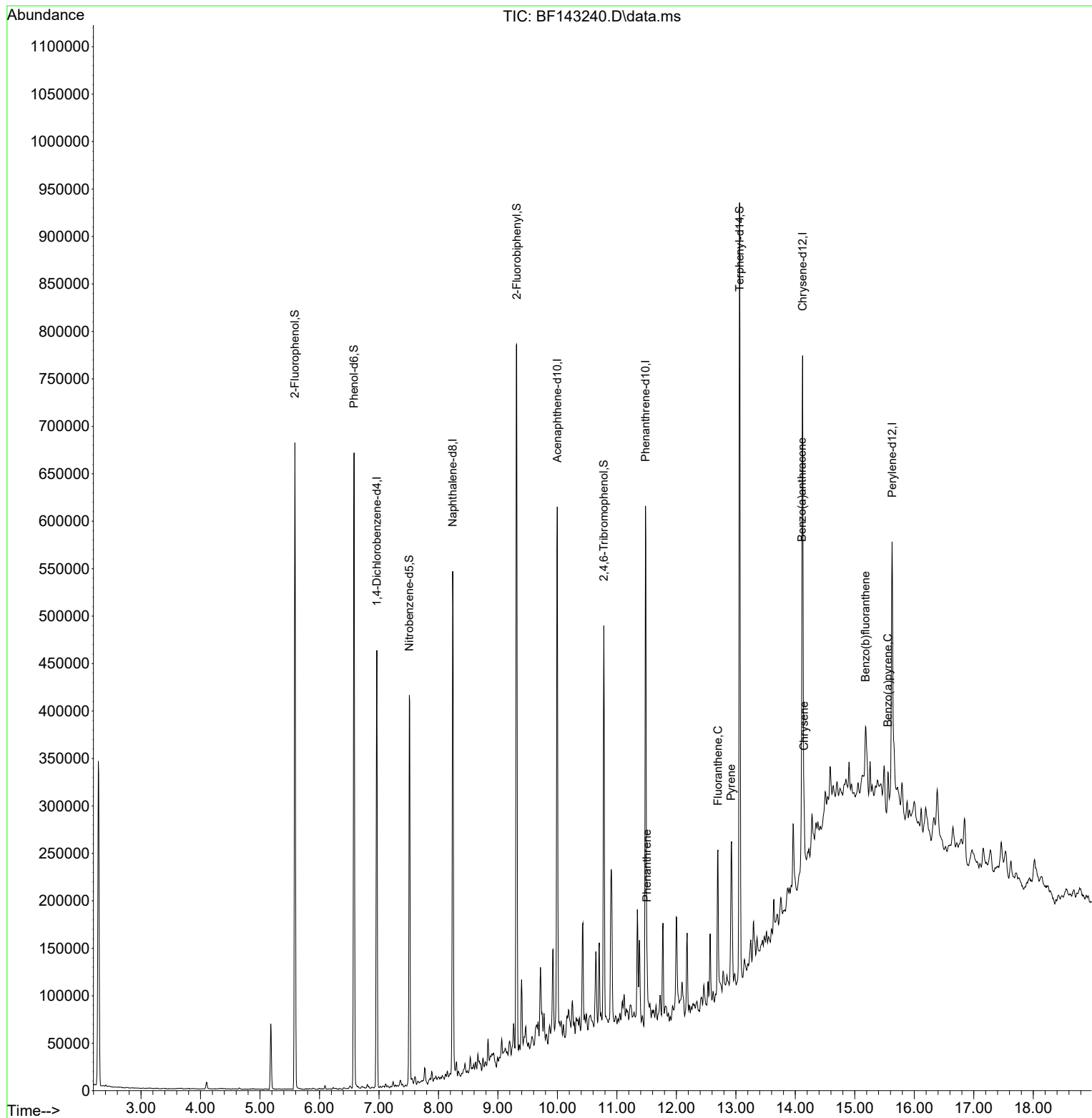
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
Data File : BF143240.D
Acq On : 24 Jul 2025 18:25
Operator : RC/JU
Sample : Q2675-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

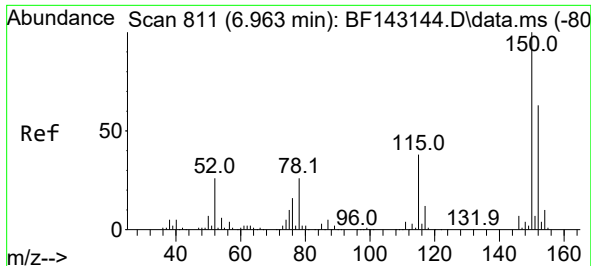
Instrument :
BNA_F
ClientSampleId :
SU-03-07222025

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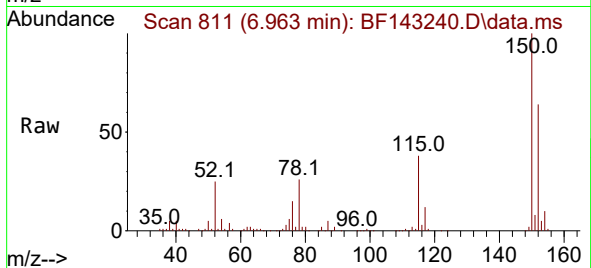
Quant Time: Jul 25 01:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25

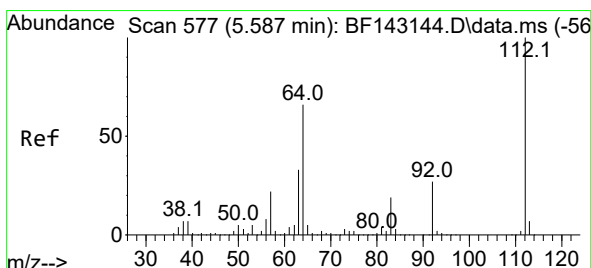
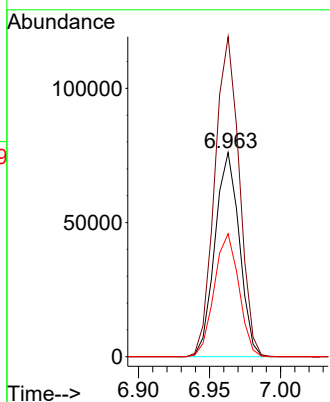
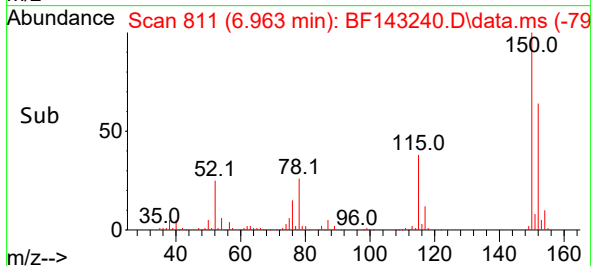
Instrument :
BNA_F
ClientSampleId :
SU-03-07222025



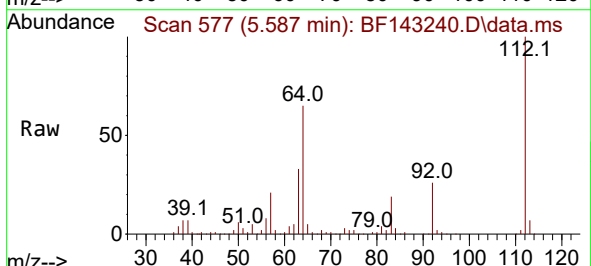
Tgt Ion:152 Resp: 90832
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.4
115 60.2 47.9 71.9

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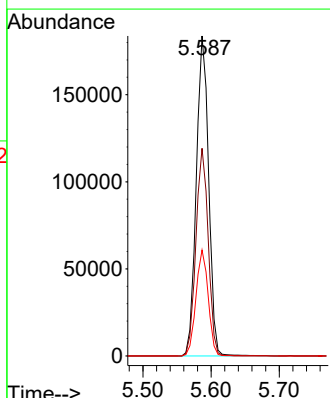
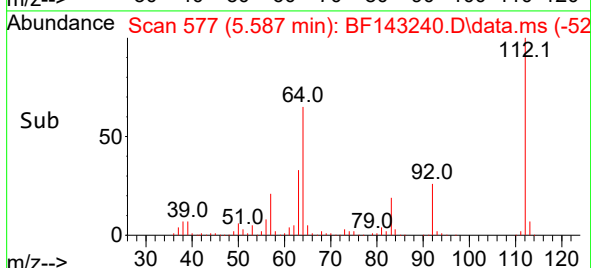
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

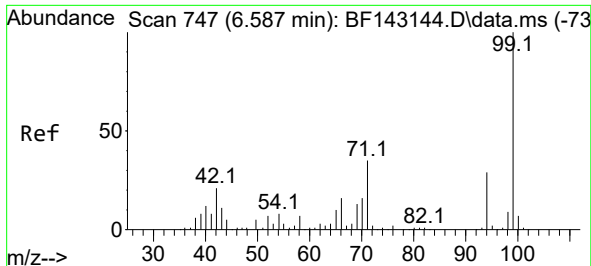


#5
2-Fluorophenol
Concen: 40.307 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25



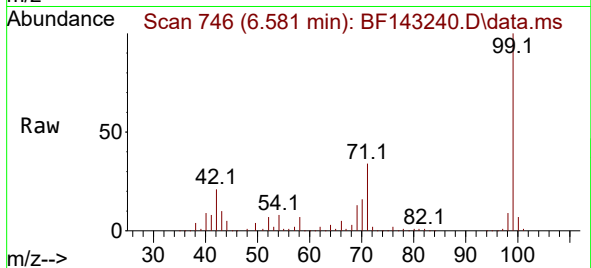
Tgt Ion:112 Resp: 231361
Ion Ratio Lower Upper
112 100
64 64.9 53.1 79.7
63 33.1 26.6 40.0





#7
Phenol-d6
Concen: 38.781 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25

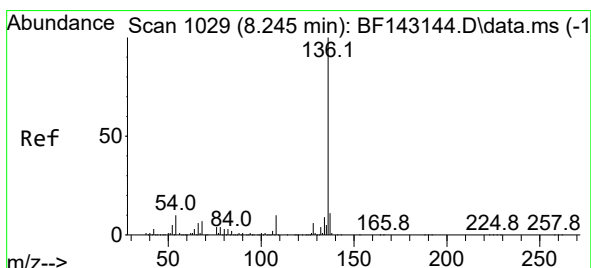
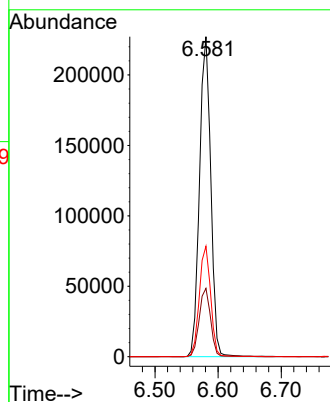
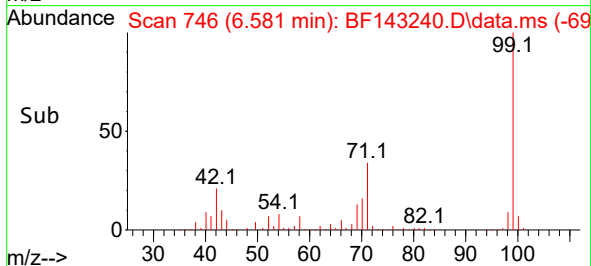
Instrument :
BNA_F
ClientSampleId :
SU-03-07222025



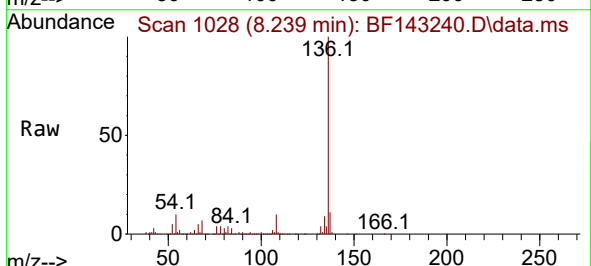
Tgt Ion: 99 Resp: 28018
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 34.5 27.7 41.5

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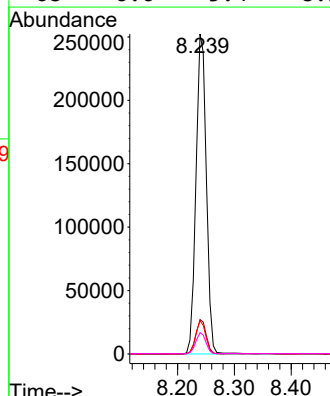
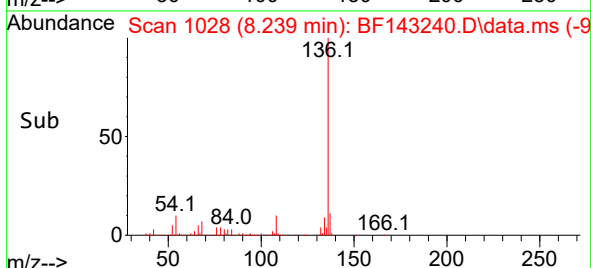
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

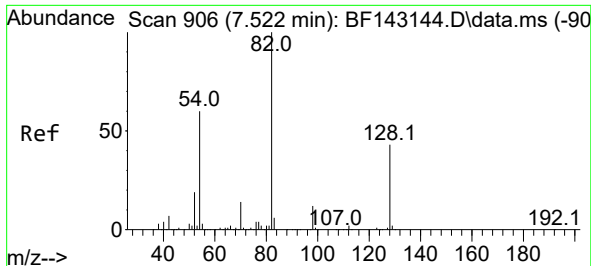


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25



Tgt Ion:136 Resp: 320973
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.3 8.2 12.2
68 6.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 27.033 ng

RT: 7.510 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF143240.D

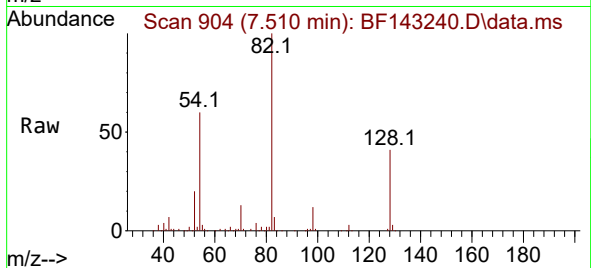
Acq: 24 Jul 2025 18:25

Instrument :

BNA_F

ClientSampleId :

SU-03-07222025



Tgt Ion: 82 Resp: 17407

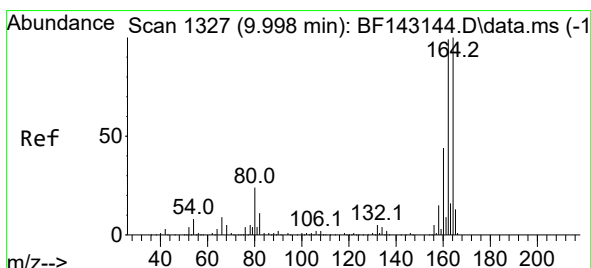
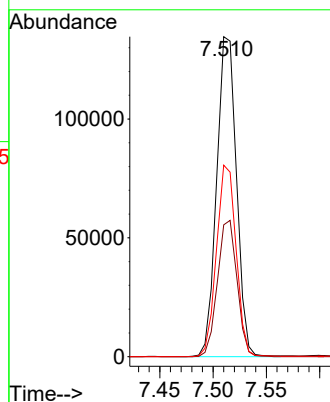
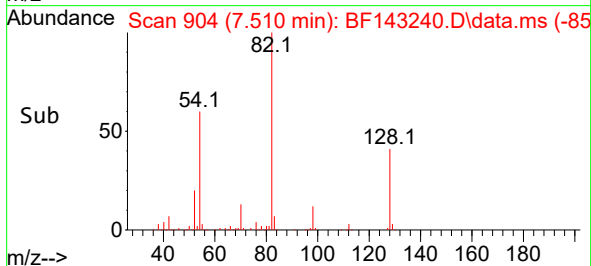
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.6	50.4
54	59.9	47.1	70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

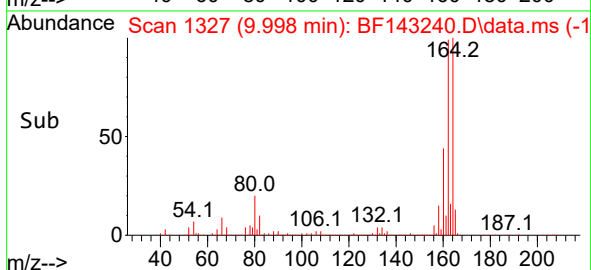
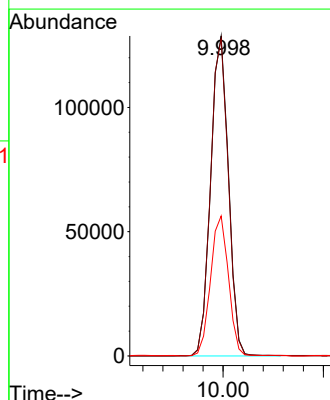
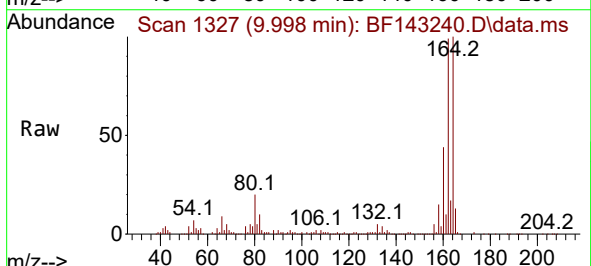
Delta R.T. 0.000 min

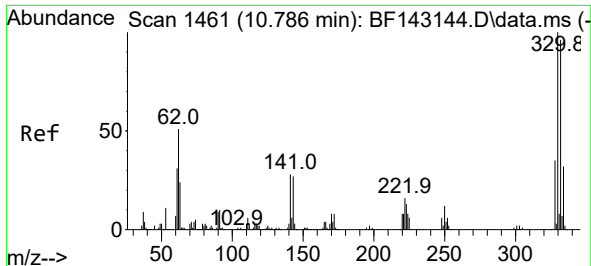
Lab File: BF143240.D

Acq: 24 Jul 2025 18:25

Tgt Ion:164 Resp: 159082

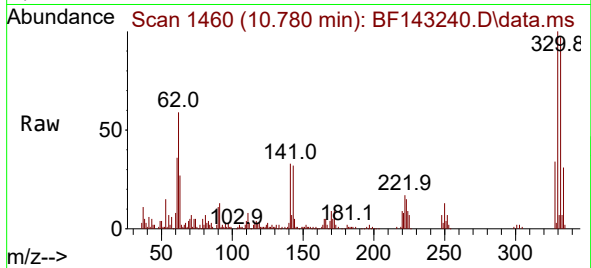
Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	43.8	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 40.754 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25

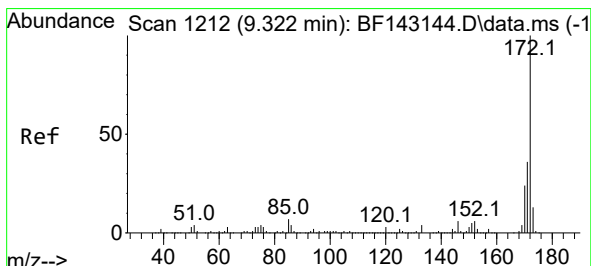
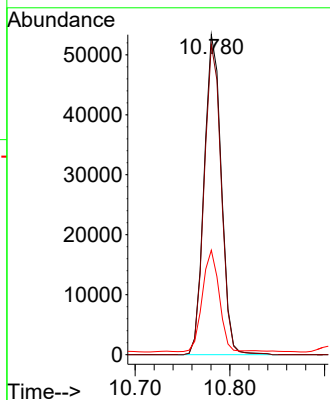
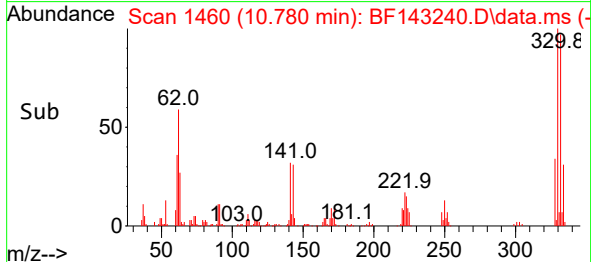
Instrument :
BNA_F
ClientSampleId :
SU-03-07222025



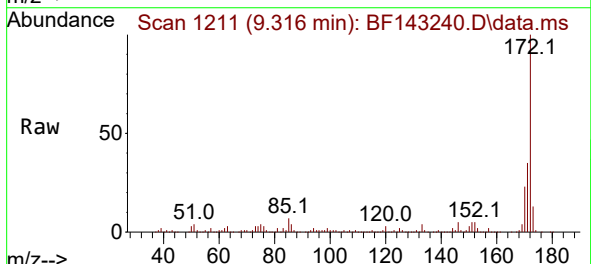
Tgt Ion: 330 Resp: 66970
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 31.0 23.3 34.9

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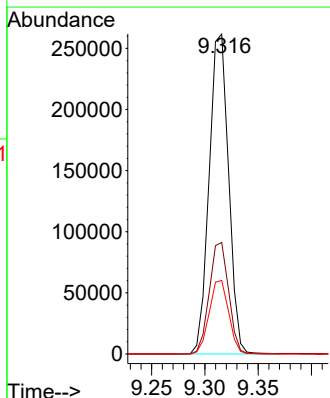
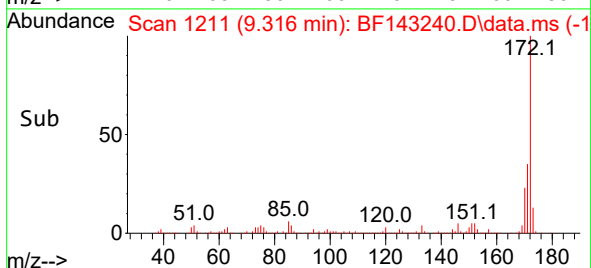
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

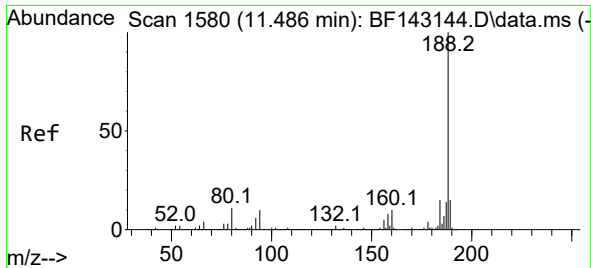


#45
2-Fluorobiphenyl
Concen: 28.573 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25



Tgt Ion: 172 Resp: 332362
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.0 18.8 28.2





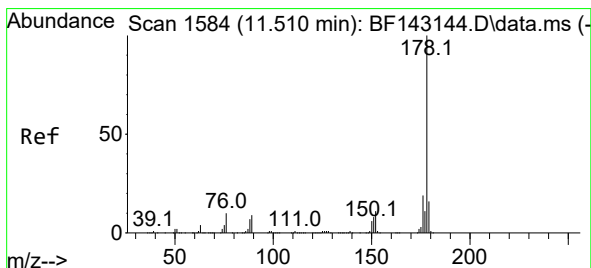
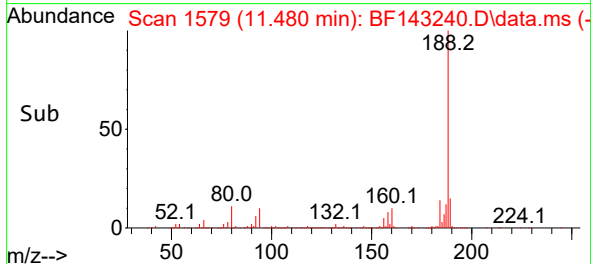
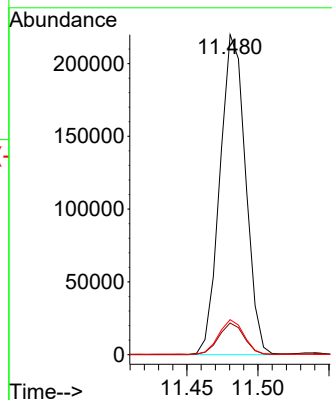
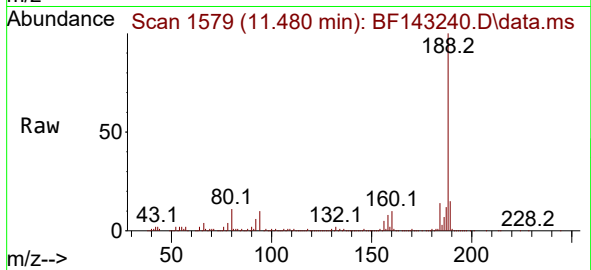
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25

Instrument :
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ClientSampleId :
SU-03-07222025

Tgt Ion:188 Resp: 276285
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 10.9 9.0 13.6

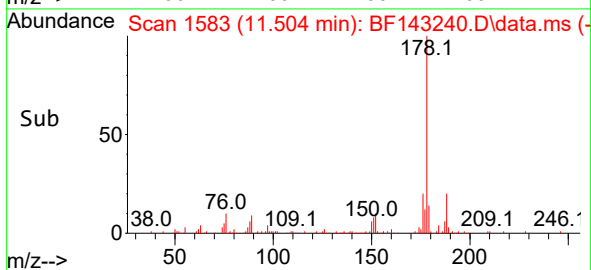
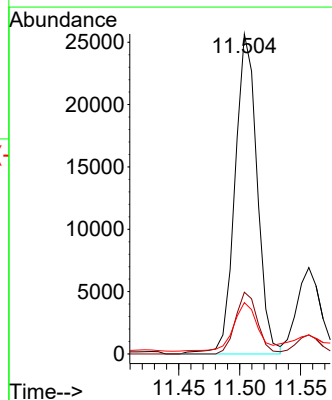
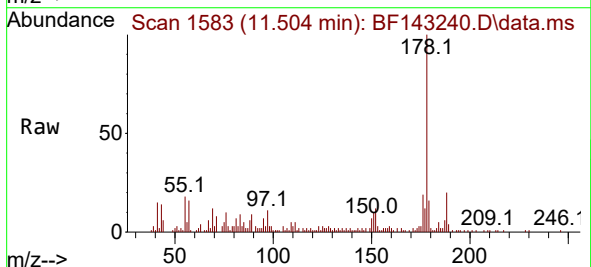
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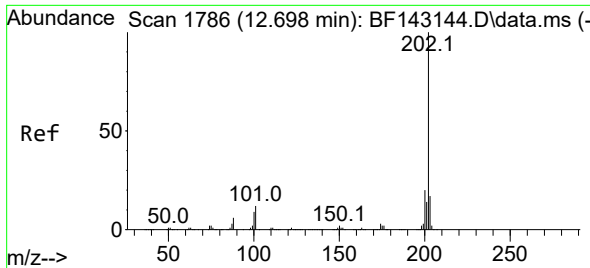
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#71
Phenanthrene
Concen: 2.218 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25

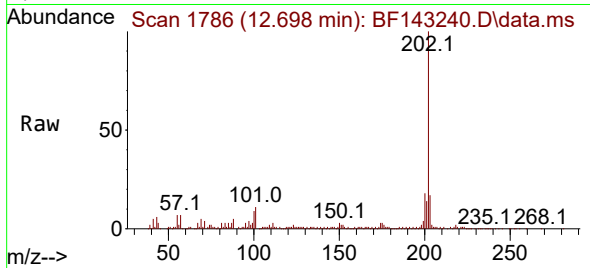
Tgt Ion:178 Resp: 32534
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.0 12.5 18.7





#75
Fluoranthene
Concen: 6.515 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25

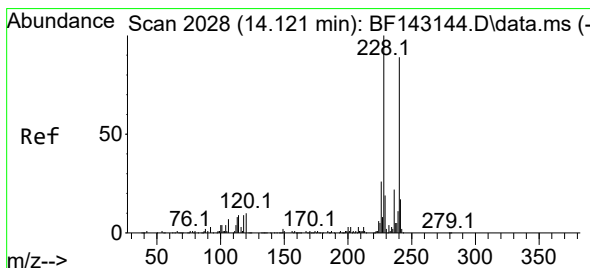
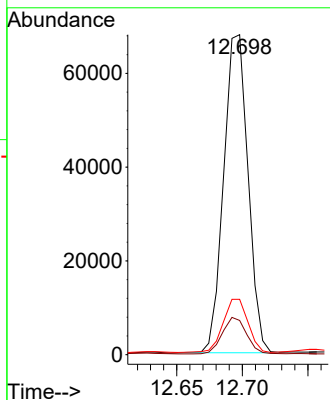
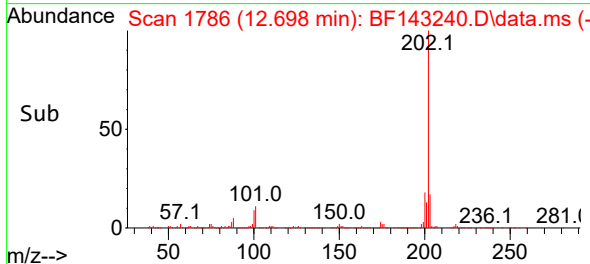
Instrument :
BNA_F
ClientSampleId :
SU-03-07222025



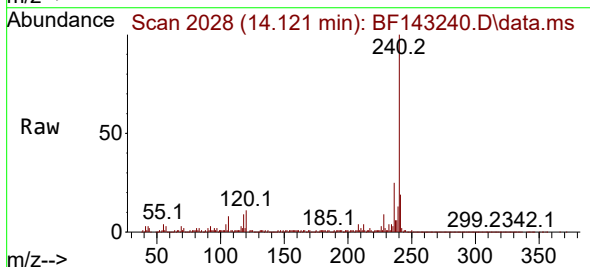
Tgt Ion:202 Resp: 87725
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.7
203 17.3 0.0 37.4

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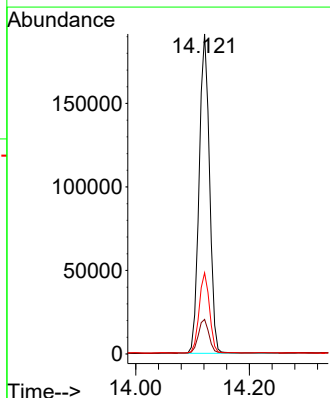
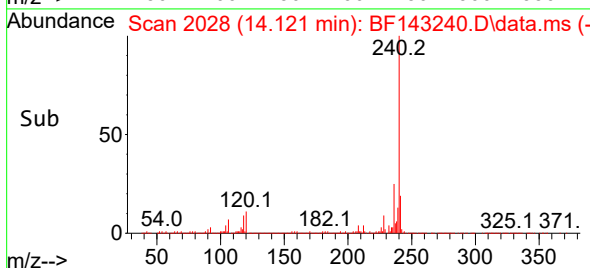
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

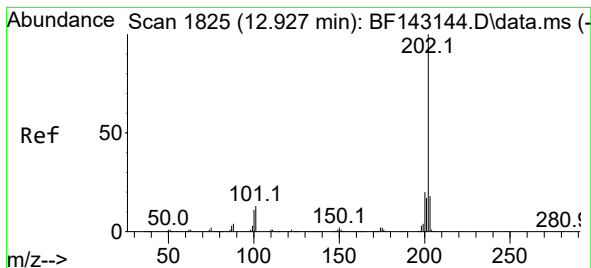


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25



Tgt Ion:240 Resp: 242202
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 25.3 20.2 30.4





#78

Pyrene

Concen: 4.023 ng

RT: 12.921 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF143240.D

Acq: 24 Jul 2025 18:25

Instrument :

BNA_F

ClientSampleId :

SU-03-07222025

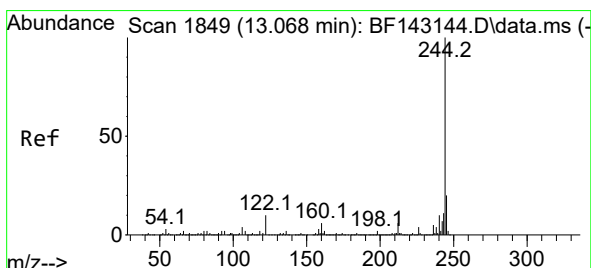
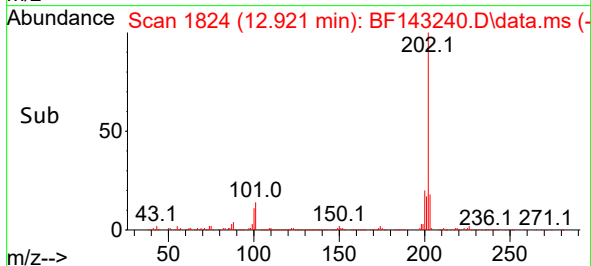
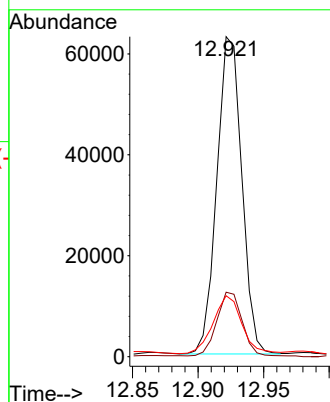
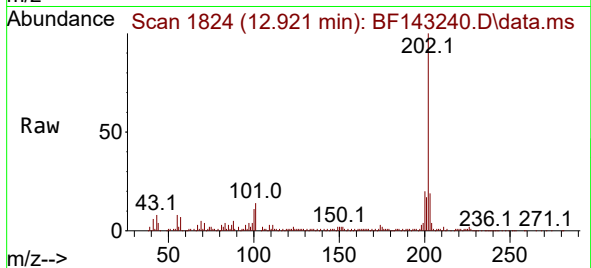
Tgt Ion:	202	Resp:	83150
Ion Ratio	Lower	Upper	
202	100		
200	20.1	15.7	23.5
203	19.0	14.2	21.2

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#79

Terphenyl-d14

Concen: 23.436 ng

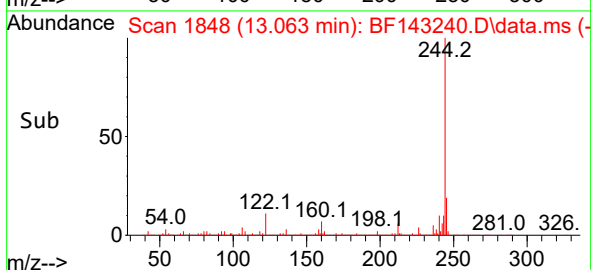
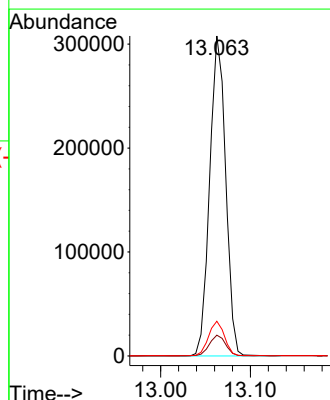
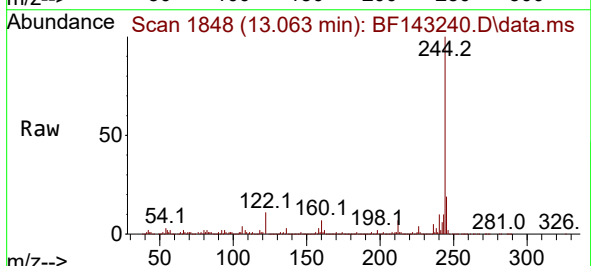
RT: 13.063 min Scan# 1848

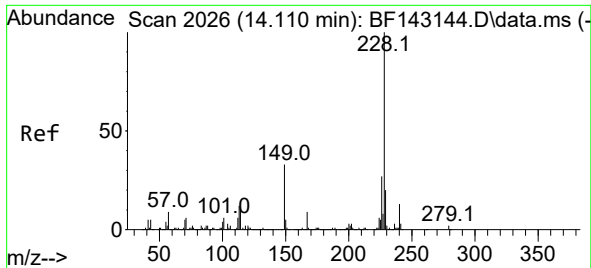
Delta R.T. -0.006 min

Lab File: BF143240.D

Acq: 24 Jul 2025 18:25

Tgt Ion:	244	Resp:	381441
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.2	7.8
122	10.8	8.2	12.2





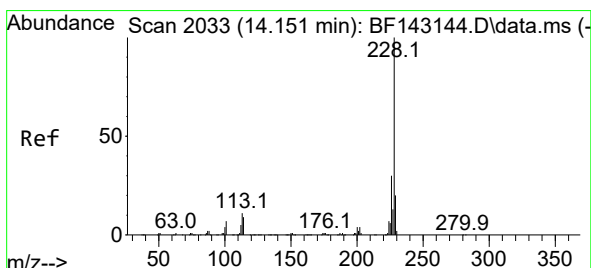
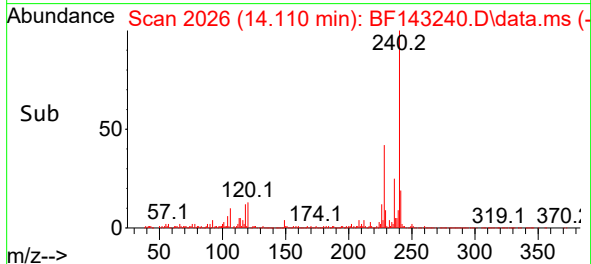
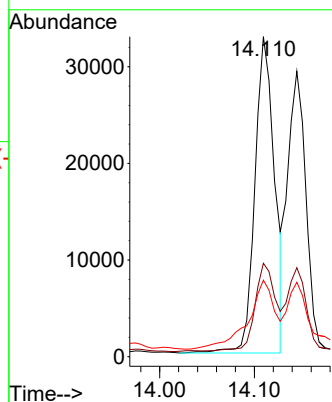
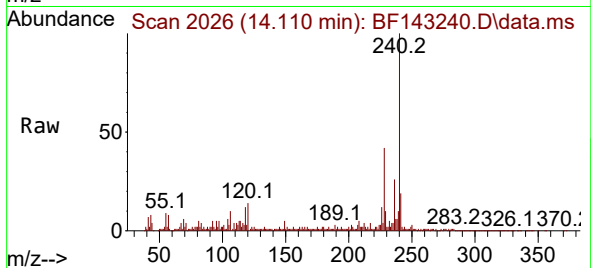
#81
Benzo(a)anthracene
Concen: 2.914 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25

Instrument : BNA_F
ClientSampleId : SU-03-07222025

Tgt Ion:228 Resp: 47254
Ion Ratio Lower Upper
228 100
226 29.2 21.7 32.5
229 23.9 15.8 23.6

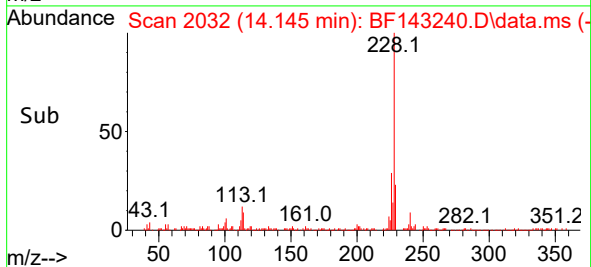
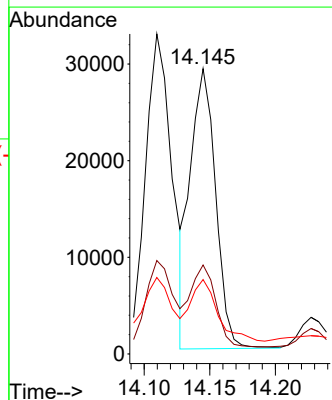
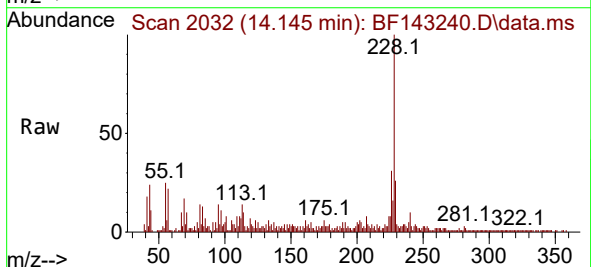
Manual Integrations
APPROVED

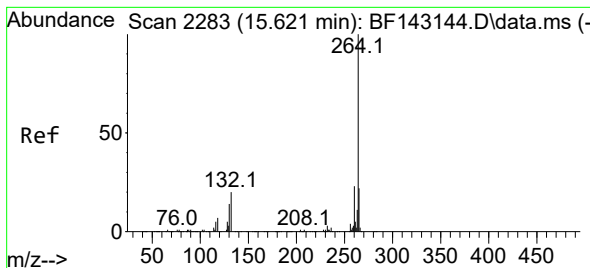
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#83
Chrysene
Concen: 2.666 ng
RT: 14.145 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF143240.D
Acq: 24 Jul 2025 18:25

Tgt Ion:228 Resp: 38861
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 26.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2283

Delta R.T. 0.006 min

Lab File: BF143240.D

Acq: 24 Jul 2025 18:25

Instrument :

BNA_F

ClientSampleId :

SU-03-07222025

Tgt Ion:264 Resp: 161840

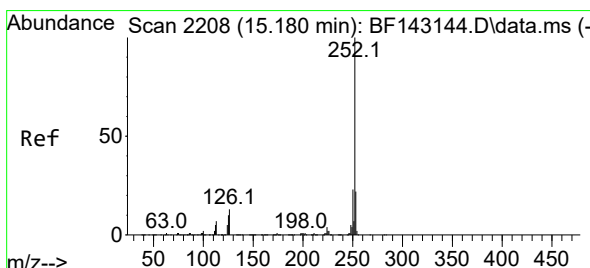
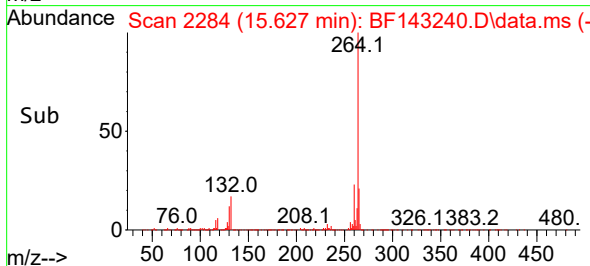
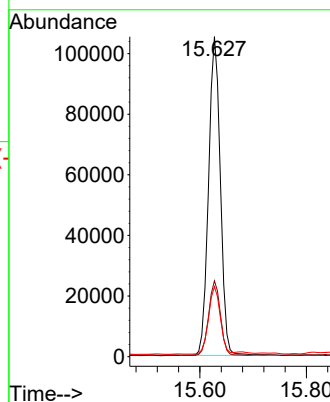
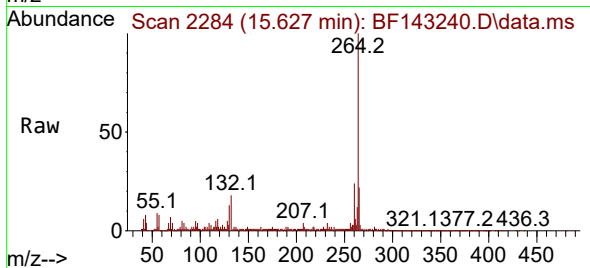
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	21.9	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#88

Benzo(b)fluoranthene

Concen: 4.033 ng m

RT: 15.180 min Scan# 2208

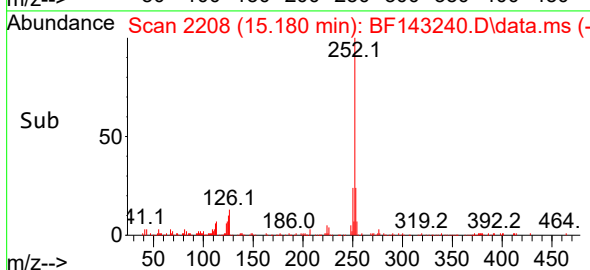
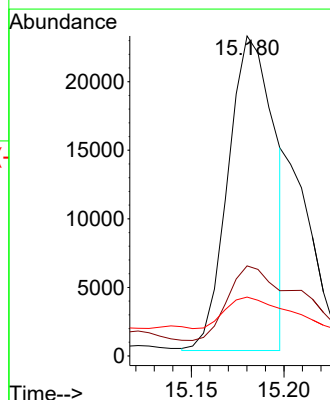
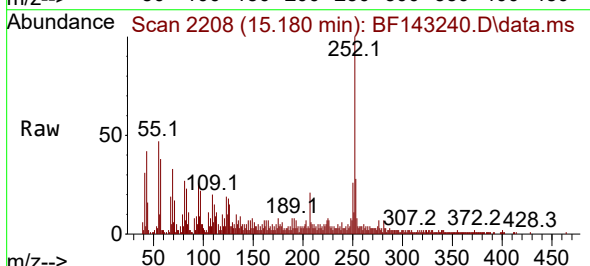
Delta R.T. -0.000 min

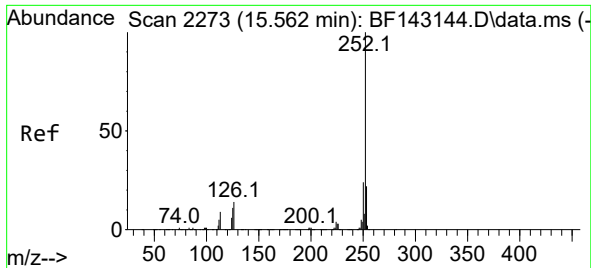
Lab File: BF143240.D

Acq: 24 Jul 2025 18:25

Tgt Ion:252 Resp: 39873

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.5	26.3#
125	18.4	8.0	12.0#





#90

Benzo(a)pyrene

Concen: 2.852 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143240.D

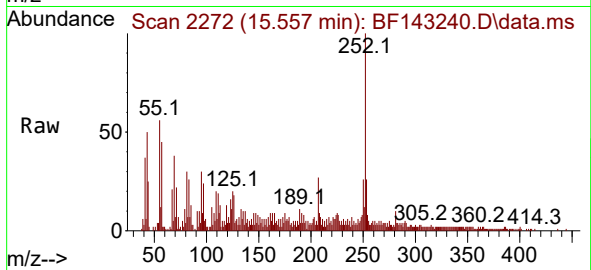
Acq: 24 Jul 2025 18:25

Instrument :

BNA_F

ClientSampleId :

SU-03-07222025



Tgt Ion:	252	Resp:	2598
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.3	25.9
125	20.4	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025

