

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143243.D
 Acq On : 24 Jul 2025 19:53
 Operator : RC/JU
 Sample : Q2677-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-07222025

Manual Integrations
 APPROVED

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

Quant Time: Jul 25 01:19:18 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	105479	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	364362	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	174275	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	283061	20.000	ng	0.00
76) Chrysene-d12	14.121	240	204484	20.000	ng	0.00
86) Perylene-d12	15.633	264	151771	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	123987	18.601	ng	0.00
7) Phenol-d6	6.581	99	152491	18.176	ng	0.00
23) Nitrobenzene-d5	7.510	82	91138	12.468	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	30030	16.680	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	179328	14.073	ng	0.00
79) Terphenyl-d14	13.063	244	171939	12.513	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.698	202	57071	4.137	ng	99
78) Pyrene	12.927	202	83896	4.807	ng	99
81) Benzo(a)anthracene	14.115	228	35115	2.565	ng	# 87
83) Chrysene	14.145	228	34631	2.814	ng	# 93
88) Benzo(b)fluoranthene	15.186	252	24500m	2.642	ng	
90) Benzo(a)pyrene	15.562	252	22910	2.682	ng	# 81

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

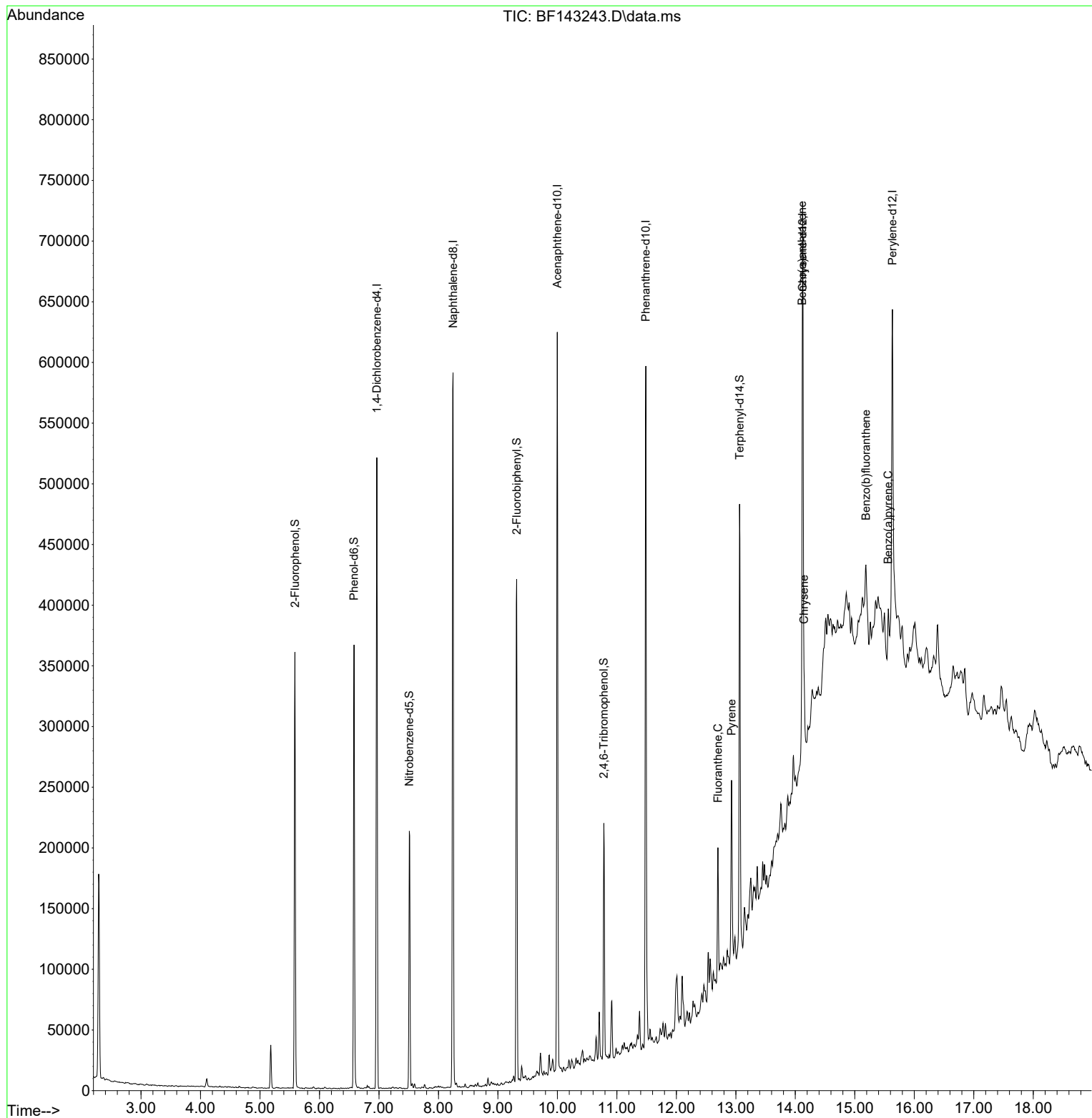
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
Data File : BF143243.D
Acq On : 24 Jul 2025 19:53
Operator : RC/JU
Sample : Q2677-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

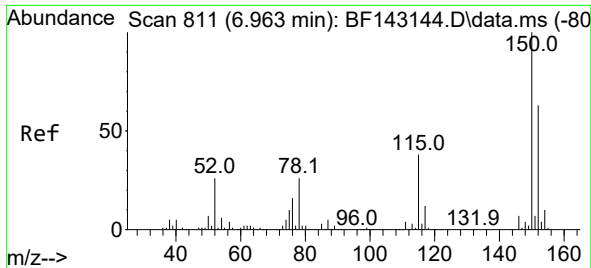
Instrument :
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OK-02-07222025

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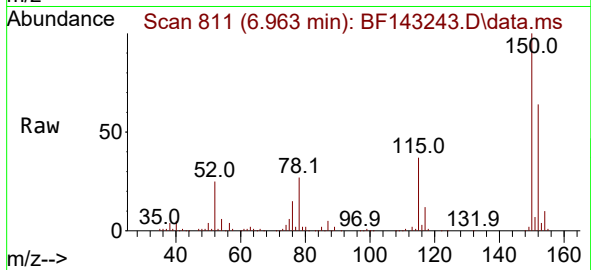
Quant Time: Jul 25 01:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

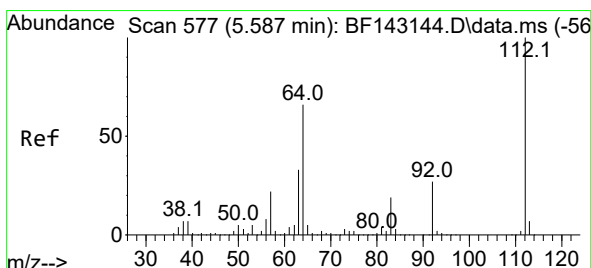
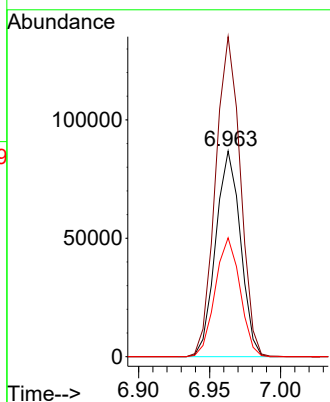
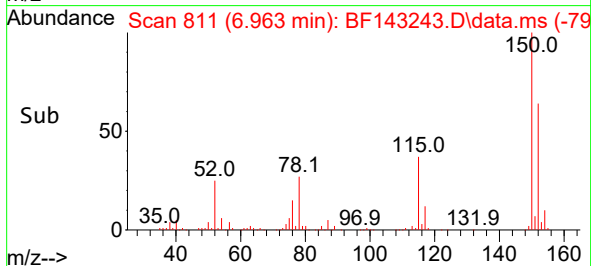
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025



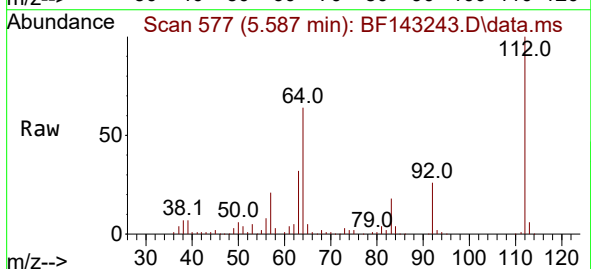
Tgt Ion:152 Resp: 105479
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.8 47.9 71.9

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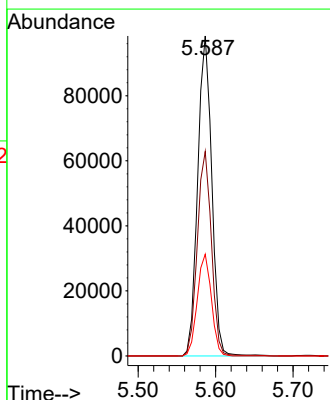
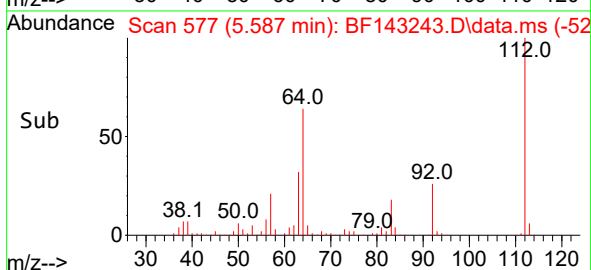
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Supervised By :Jagrut Upadhyay 07/25/2025

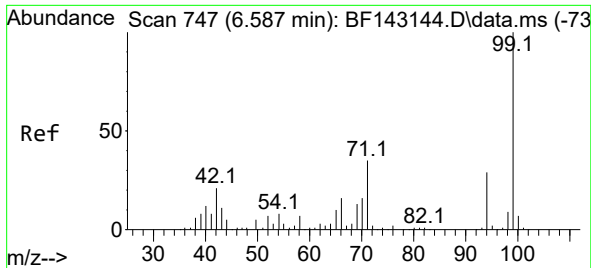


#5
2-Fluorophenol
Concen: 18.601 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53



Tgt Ion:112 Resp: 123987
Ion Ratio Lower Upper
112 100
64 63.9 53.1 79.7
63 31.8 26.6 40.0





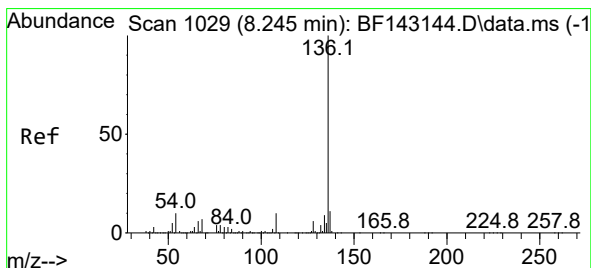
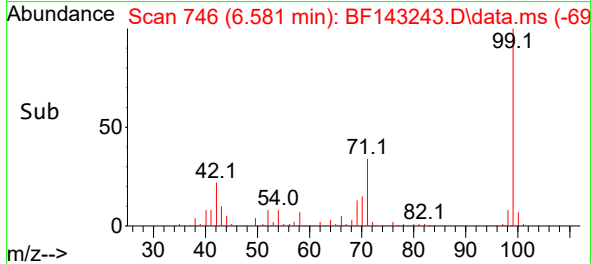
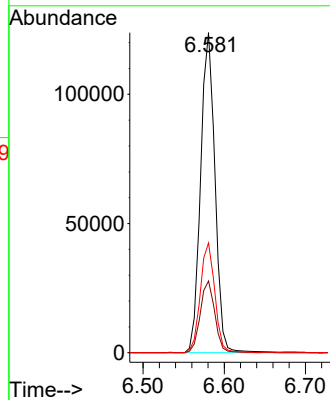
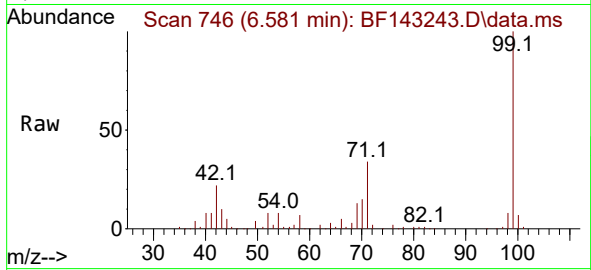
#7
Phenol-d6
Concen: 18.176 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Instrument :
BNA_F
ClientSampleId :
OK-02-07222025

Tgt Ion: 99 Resp: 15249
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 34.3 27.7 41.5

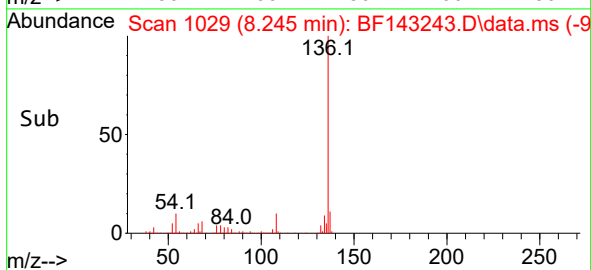
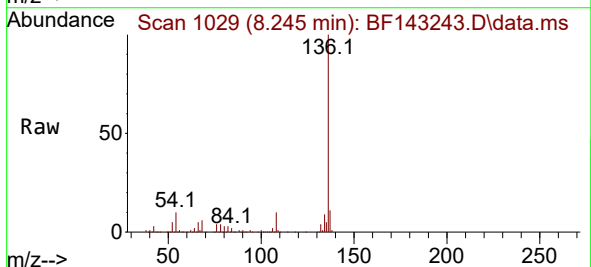
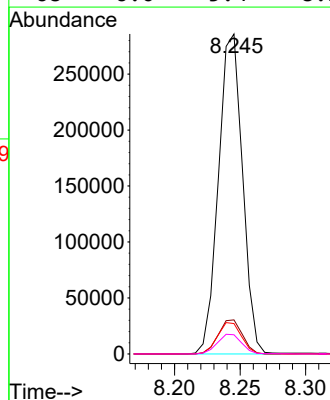
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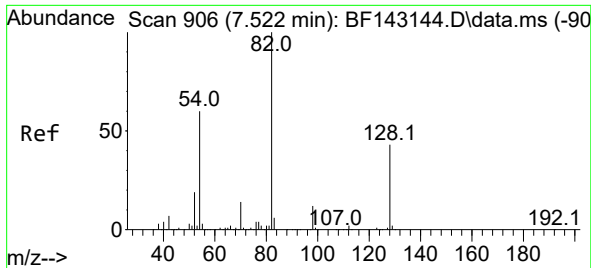
Reviewed By :Rahul Chavli 07/25/2025
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

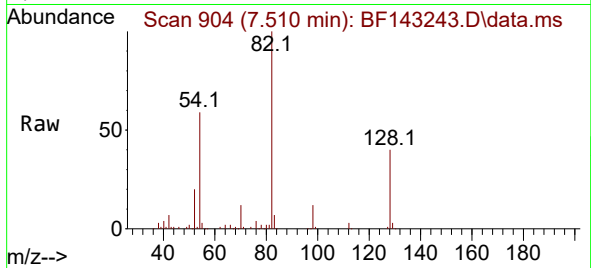
Tgt Ion:136 Resp: 364362
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.5 8.2 12.2
68 6.0 5.4 8.2





#23
Nitrobenzene-d5
Concen: 12.468 ng
RT: 7.510 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

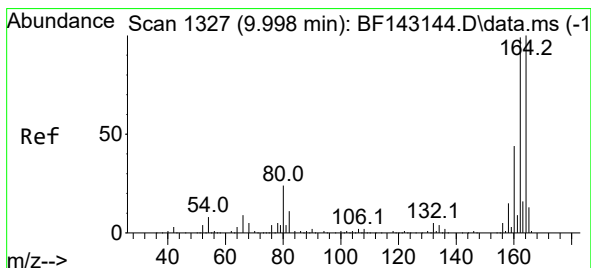
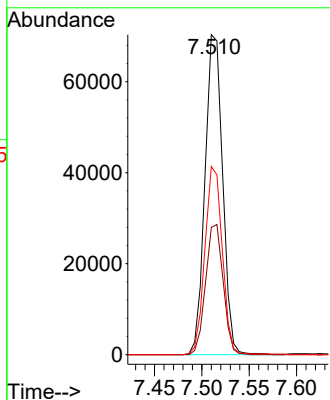
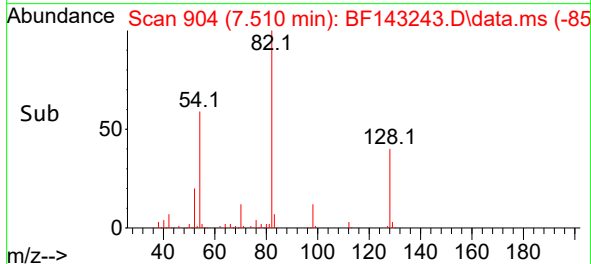
Instrument :
BNA_F
ClientSampleId :
OK-02-07222025



Tgt Ion: 82 Resp: 91138
Ion Ratio Lower Upper
82 100
128 39.7 33.6 50.4
54 58.8 47.1 70.7

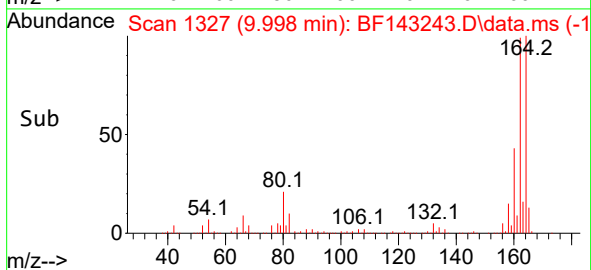
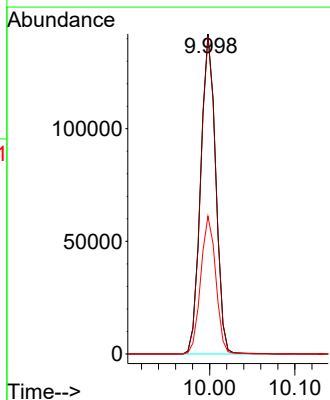
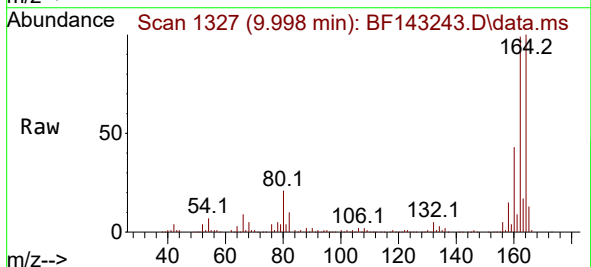
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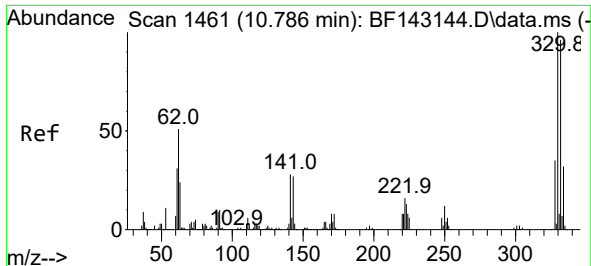
Reviewed By :Rahul Chavli 07/25/2025
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Tgt Ion:164 Resp: 174275
Ion Ratio Lower Upper
164 100
162 99.2 79.0 118.6
160 43.0 35.1 52.7





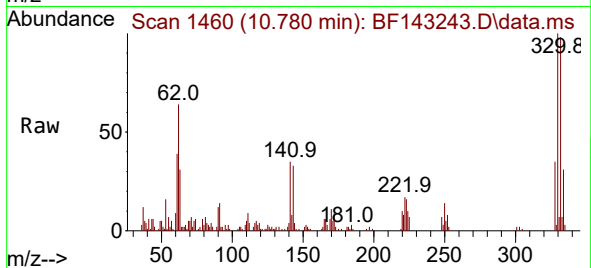
#42
2,4,6-Tribromophenol
Concen: 16.680 ng
RT: 10.780 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53

Instrument :

BNA_F

ClientSampleId :

OK-02-07222025



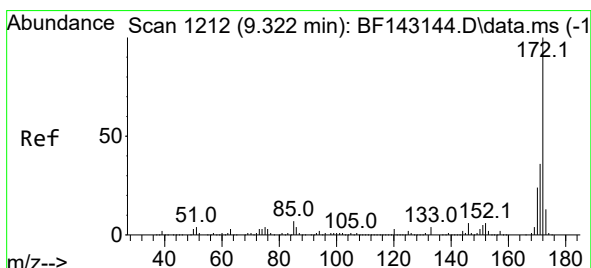
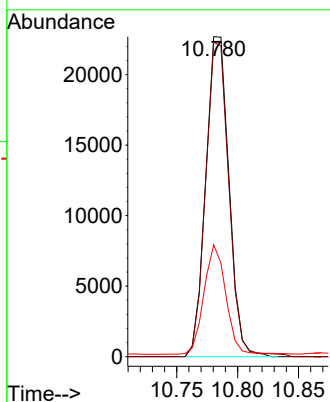
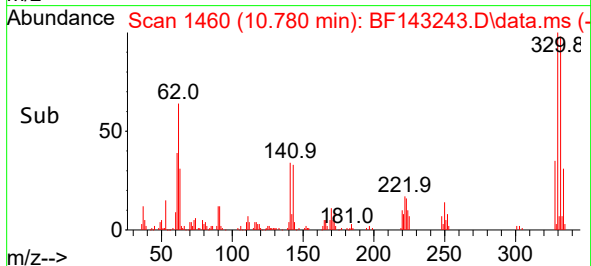
Tgt Ion: 330 Resp: 30030
Ion Ratio Lower Upper
330 100
332 98.0 76.7 115.1
141 32.0 23.3 34.9

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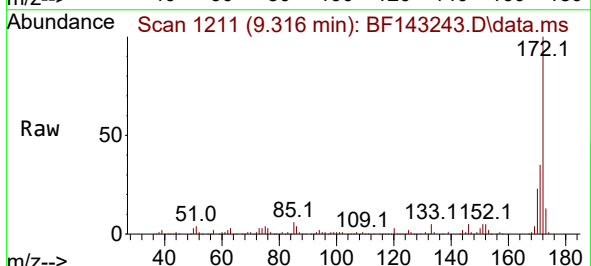
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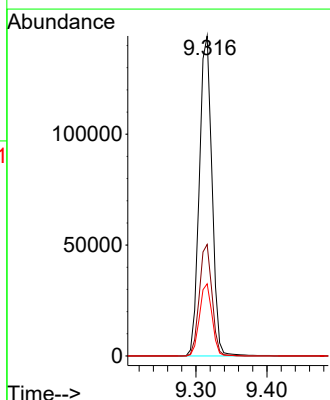
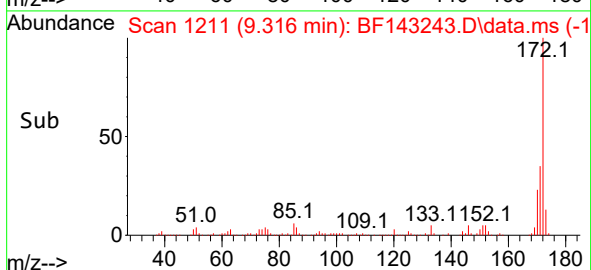
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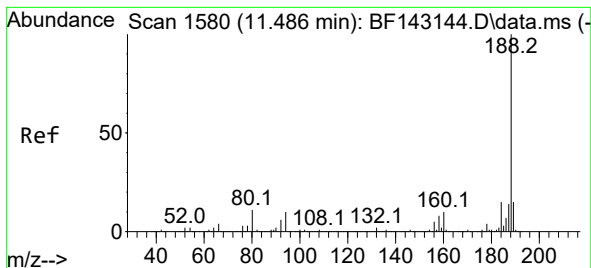


#45
2-Fluorobiphenyl
Concen: 14.073 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143243.D
Acq: 24 Jul 2025 19:53



Tgt Ion: 172 Resp: 179328
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 22.6 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Instrument :

BNA_F

ClientSampleId :

OK-02-07222025

Tgt Ion:188 Resp: 28306

Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

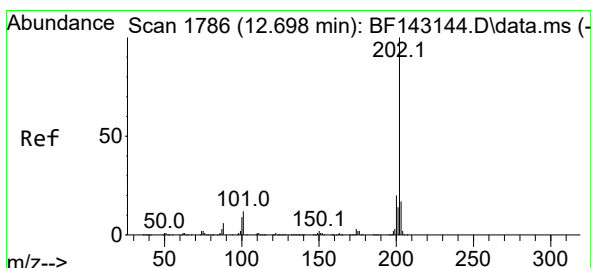
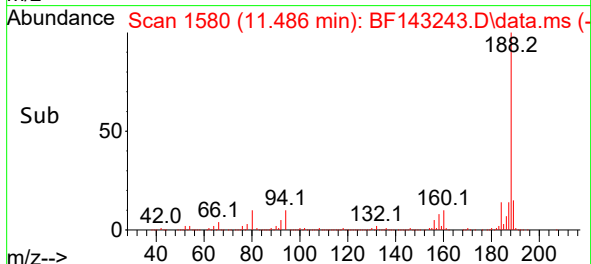
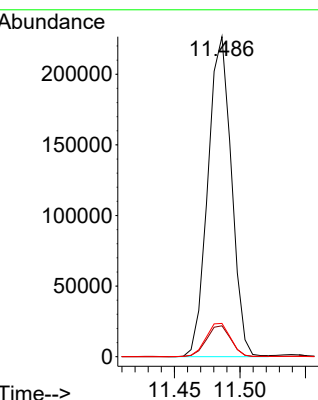
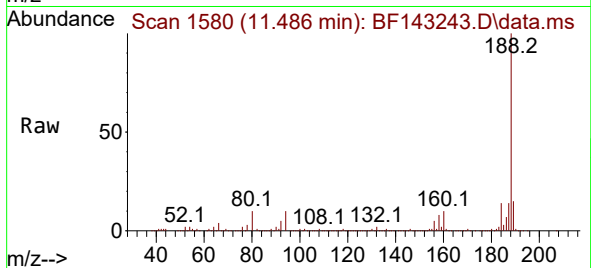
80 10.4 9.0 13.6

Manual Integrations

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#75

Fluoranthene

Concen: 4.137 ng

RT: 12.698 min Scan# 1786

Delta R.T. -0.000 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

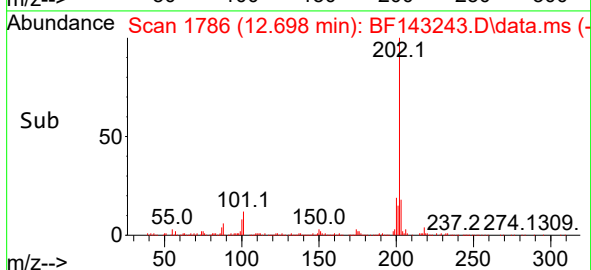
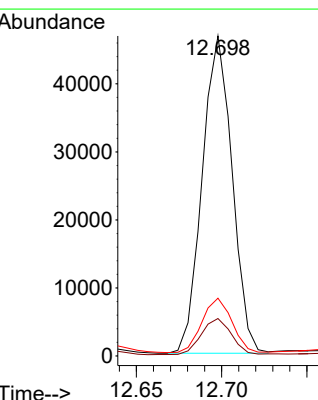
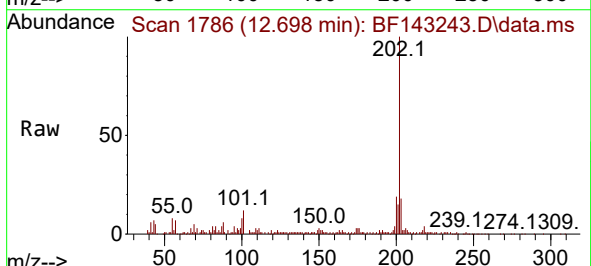
Tgt Ion:202 Resp: 57071

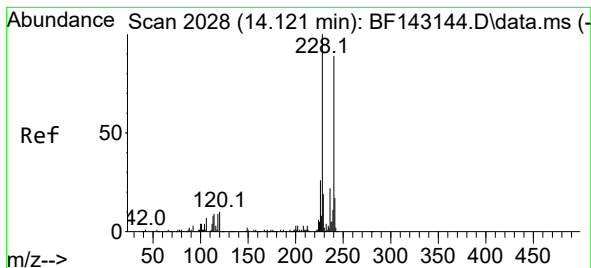
Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.7

203 18.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Instrument :

BNA_F

ClientSampleId :

OK-02-07222025

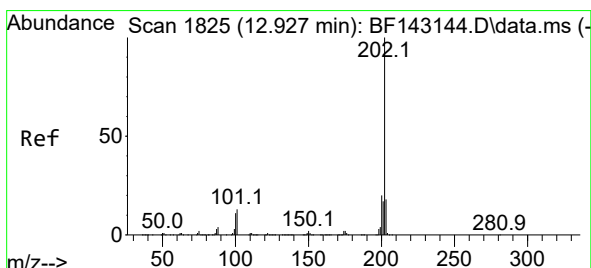
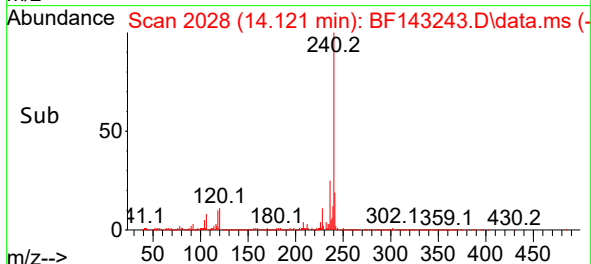
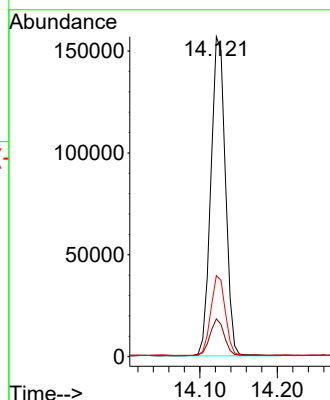
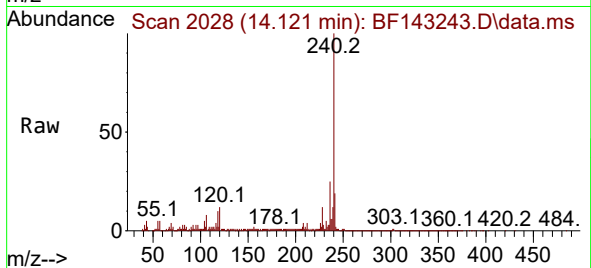
Tgt Ion:240 Resp: 204484
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.4 14.2
 236 25.4 20.2 30.4

Manual Integrations

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#78

Pyrene

Concen: 4.807 ng

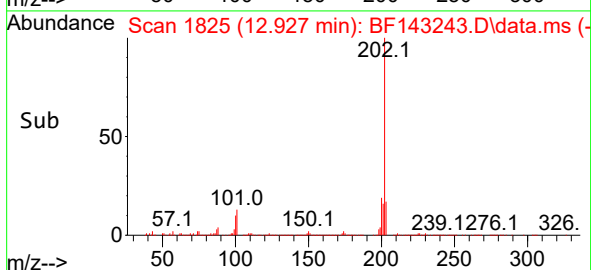
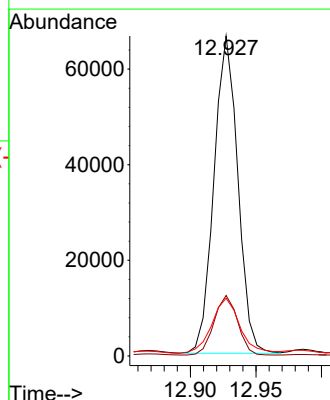
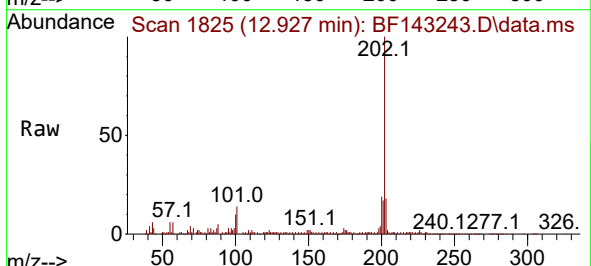
RT: 12.927 min Scan# 1825

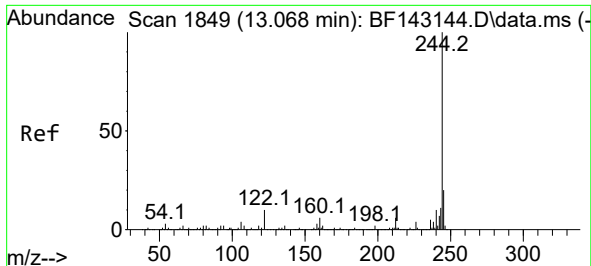
Delta R.T. -0.000 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Tgt Ion:202 Resp: 83896
 Ion Ratio Lower Upper
 202 100
 200 18.9 15.7 23.5
 203 18.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 12.513 ng
 RT: 13.063 min Scan# 1849
 Delta R.T. -0.006 min
 Lab File: BF143243.D
 Acq: 24 Jul 2025 19:53

Instrument :

BNA_F

ClientSampleId :

OK-02-07222025

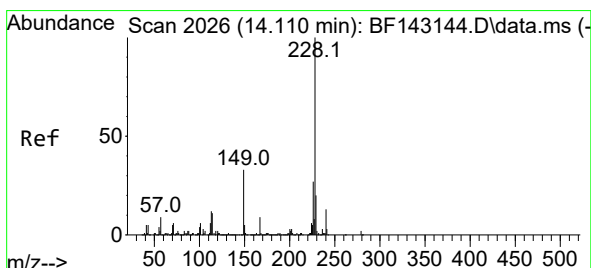
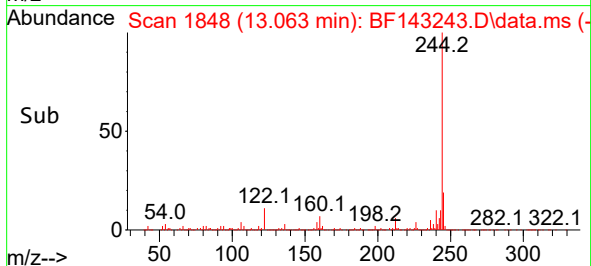
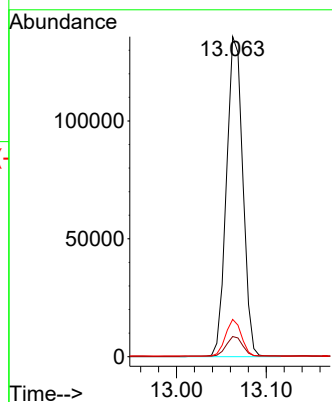
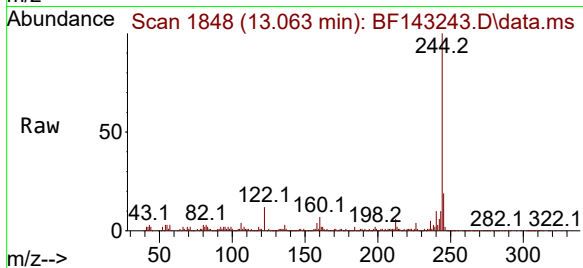
Tgt Ion:244 Resp: 171939
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 11.7 8.2 12.2

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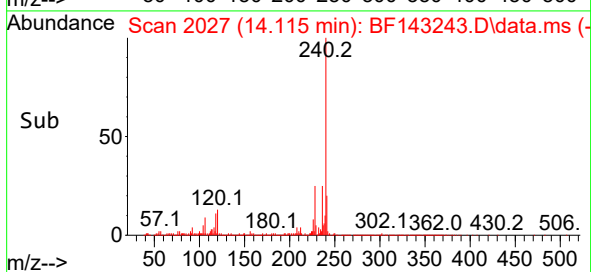
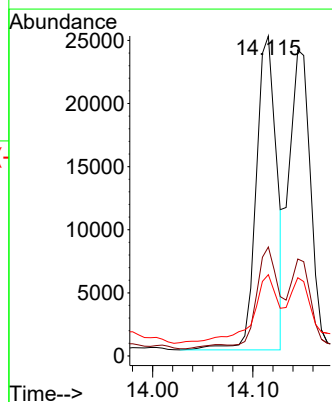
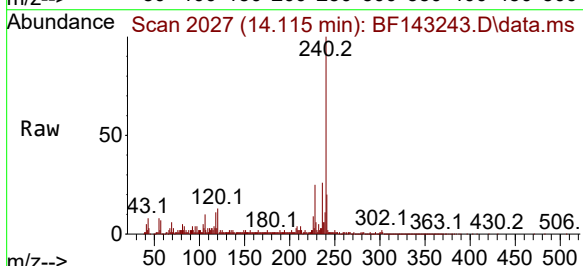
Reviewed By :Rahul Chavli 07/25/2025

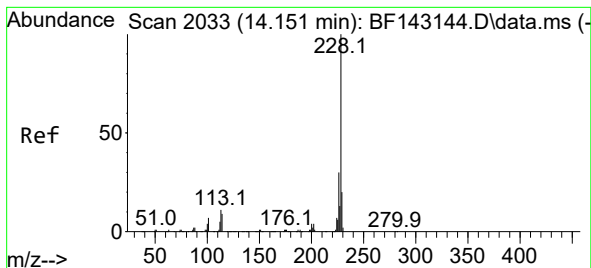
Supervised By :Jagrut Upadhyay 07/25/2025



#81
 Benzo(a)anthracene
 Concen: 2.565 ng
 RT: 14.115 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: BF143243.D
 Acq: 24 Jul 2025 19:53

Tgt Ion:228 Resp: 35115
 Ion Ratio Lower Upper
 228 100
 226 34.0 21.7 32.5#
 229 25.4 15.8 23.6#





#83

Chrysene

Concen: 2.814 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Instrument :

BNA_F

ClientSampleId :

OK-02-07222025

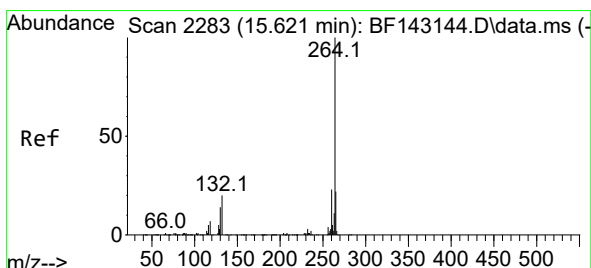
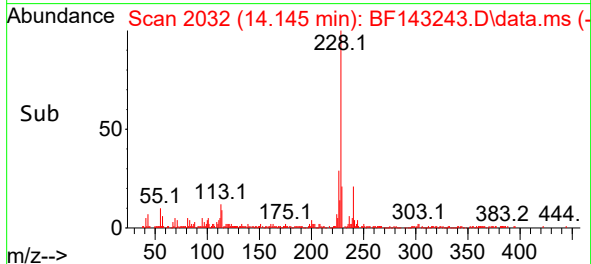
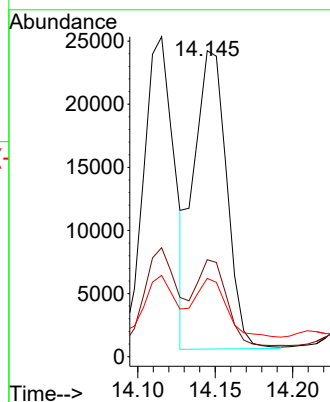
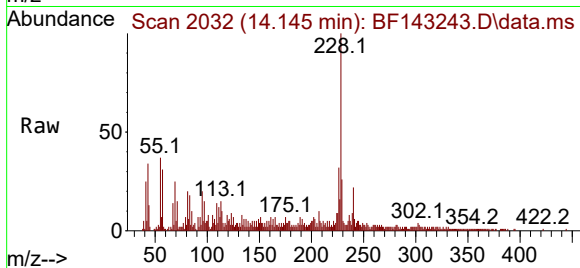
Tgt Ion:	228	Resp:	3463
Ion Ratio	Lower	Upper	
228	100		
226	31.7	23.8	35.8
229	25.6	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#86

Perylene-d12

Concen: 20.000 ng

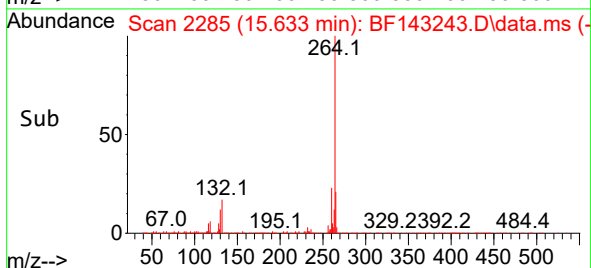
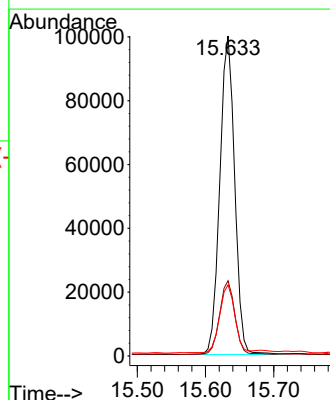
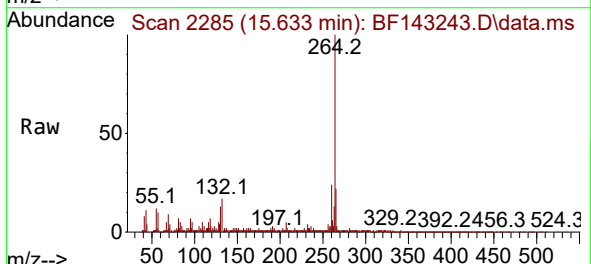
RT: 15.633 min Scan# 2285

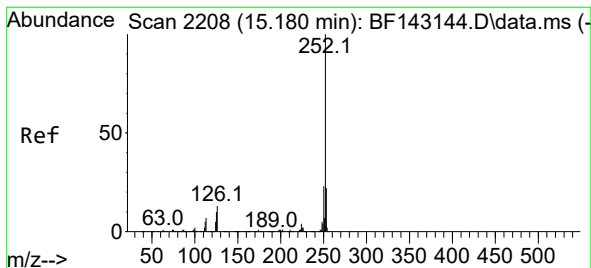
Delta R.T. 0.012 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Tgt Ion:	264	Resp:	151771
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.5	27.7
265	22.2	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 2.642 ng m

RT: 15.186 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Instrument :

BNF

ClientSampleId :

OK-02-07222025

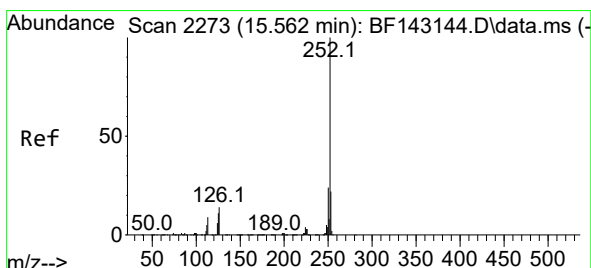
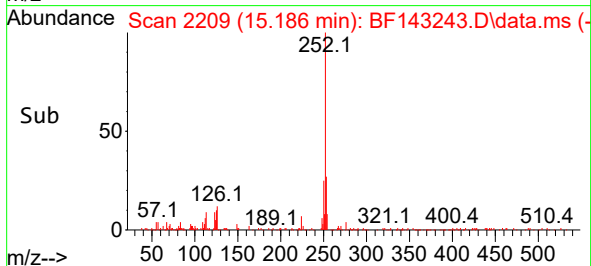
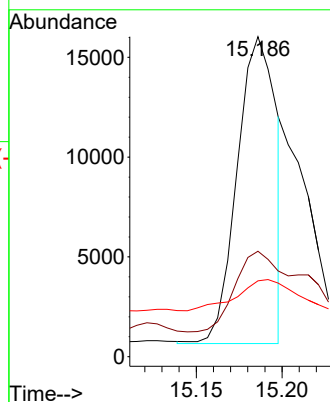
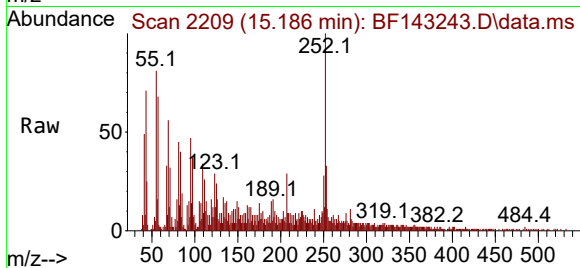
Tgt Ion:	252	Resp:	24500
Ion Ratio	Lower	Upper	
252	100		
253	33.0	17.5	26.3
125	23.7	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#90

Benzo(a)pyrene

Concen: 2.682 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143243.D

Acq: 24 Jul 2025 19:53

Tgt Ion:	252	Resp:	22910
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.3	25.9
125	23.2	8.6	13.0

