

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142633.D
 Acq On : 05 Jun 2025 14:37
 Operator : RC/JU
 Sample : Q2199-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-343

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 15:12:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	134234	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	484097	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	227063	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	321173	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	265418	20.000	ng	0.00
86) Perylene-d12	15.563	264	325607	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	575556	72.237	ng	0.00
7) Phenol-d6	6.522	99	677102	70.597	ng	-0.01
23) Nitrobenzene-d5	7.457	82	402229	45.307	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	155665	61.769	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	799753	47.263	ng	-0.02
79) Terphenyl-d14	13.010	244	564869	29.083	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	111181	6.478	ng	99
75) Fluoranthene	12.639	202	206397	12.869	ng	99
78) Pyrene	12.869	202	173626	7.012	ng	99
81) Benzo(a)anthracene	14.057	228	87379	4.930	ng	94
83) Chrysene	14.092	228	119845	7.525	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	71375	2.920	ng	97
88) Benzo(b)fluoranthene	15.121	252	199951m	10.376	ng	
89) Benzo(k)fluoranthene	15.139	252	52946m	2.933	ng	
90) Benzo(a)pyrene	15.492	252	98687	5.433	ng	96
92) Benzo(g,h,i)perylene	17.521	276	62457	3.150	ng	99

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

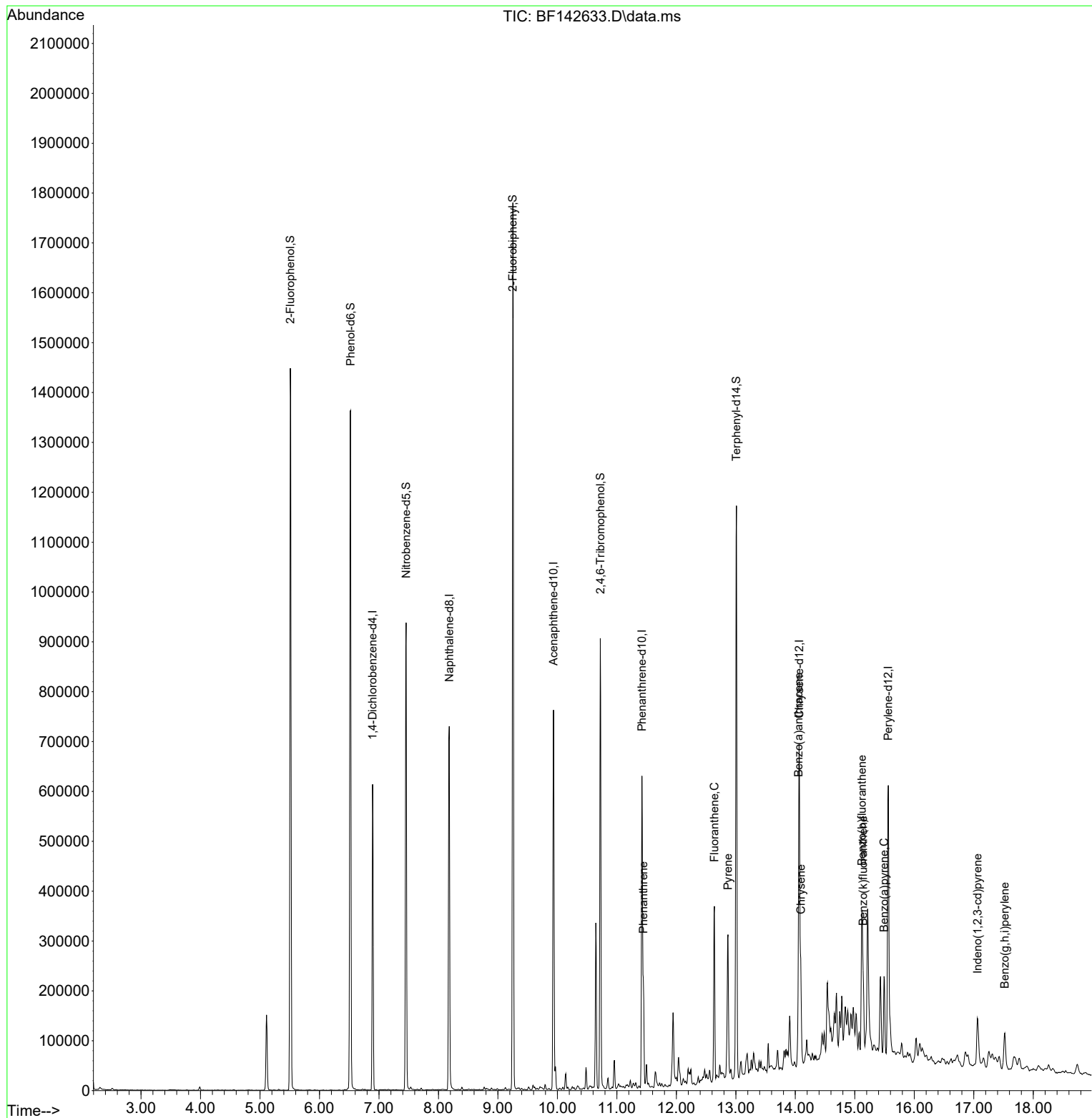
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142633.D
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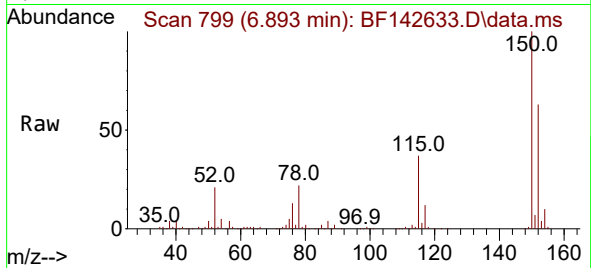
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

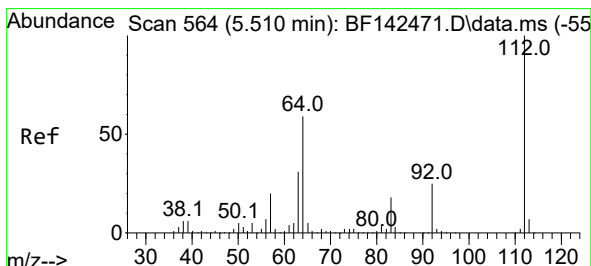
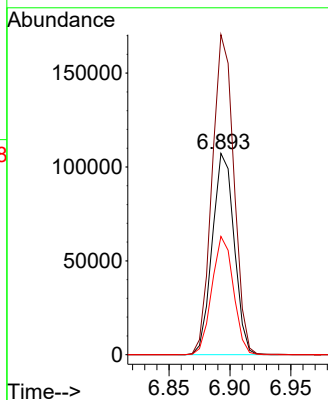
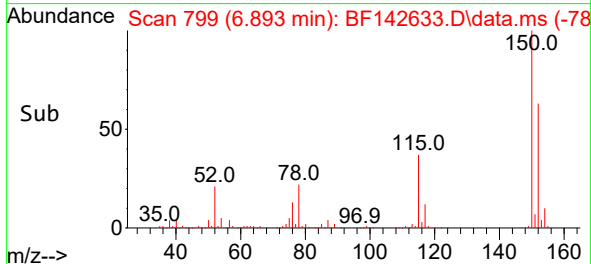
Instrument :
BNA_F
ClientSampleId :
ETGI-343



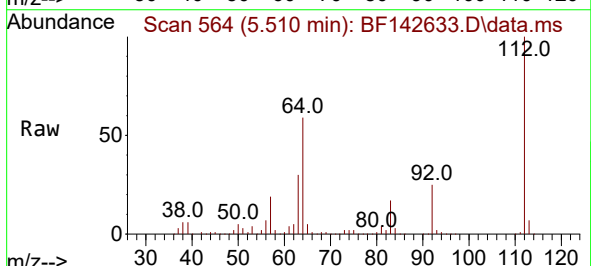
Tgt Ion:152 Resp: 134234
Ion Ratio Lower Upper
152 100
150 159.0 128.2 192.4
115 58.7 48.3 72.5

Manual Integrations
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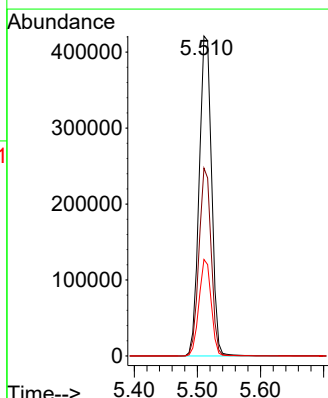
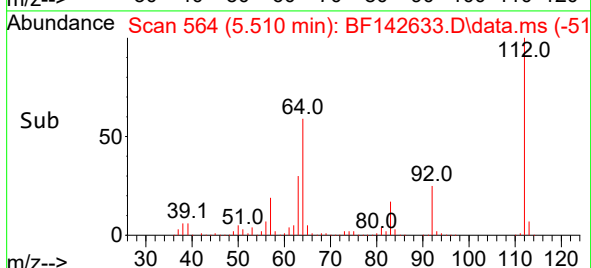
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

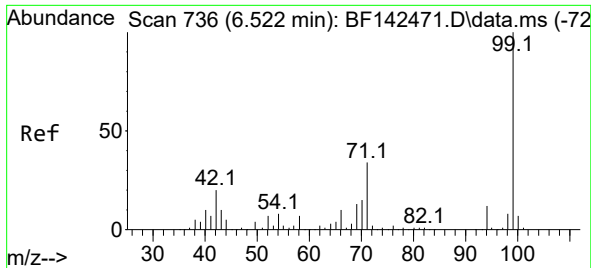


#5
2-Fluorophenol
Concen: 72.237 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



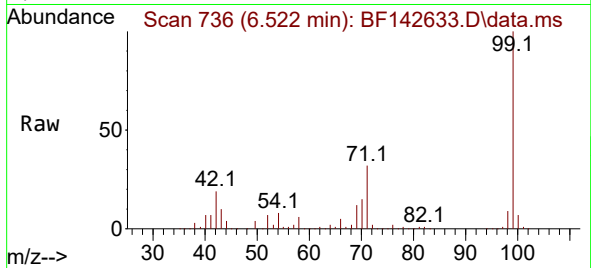
Tgt Ion:112 Resp: 575556
Ion Ratio Lower Upper
112 100
64 58.7 47.5 71.3
63 30.1 24.9 37.3





#7
Phenol-d6
Concen: 70.597 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

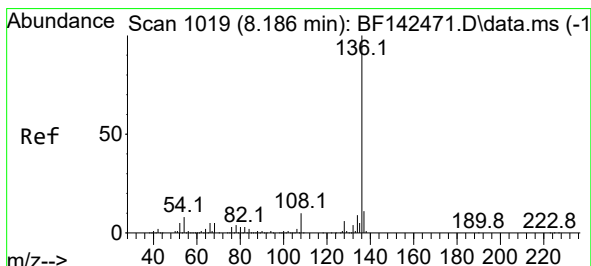
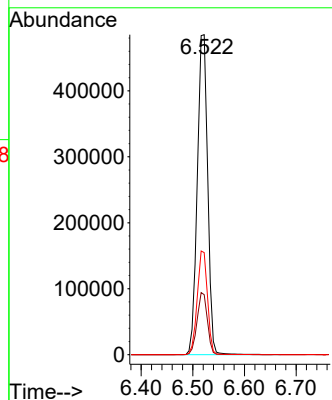
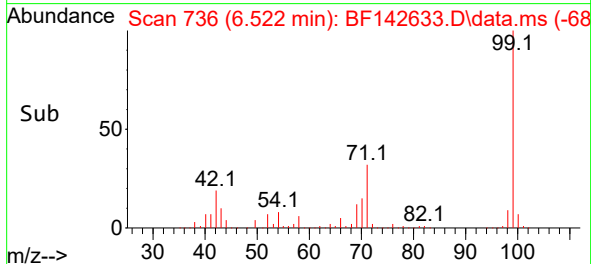
Instrument :
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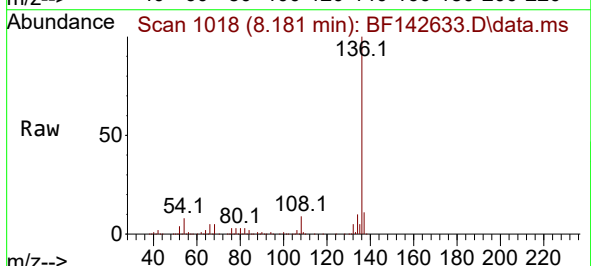
Tgt Ion: 99 Resp: 677102
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 31.9 27.3 40.9

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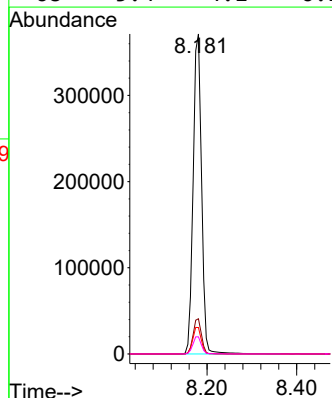
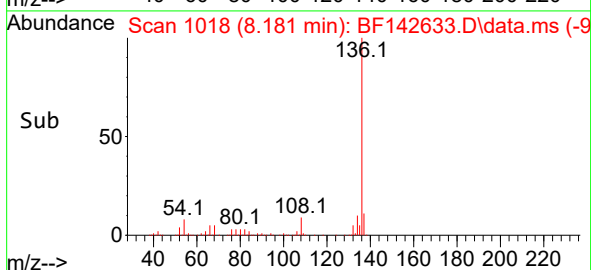
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



Tgt Ion:136 Resp: 484097
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.6 10.0
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 45.307 ng

RT: 7.457 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

ETGI-343

Tgt Ion: 82 Resp: 402229

Ion Ratio Lower Upper

82 100

128 49.7 37.4 56.2

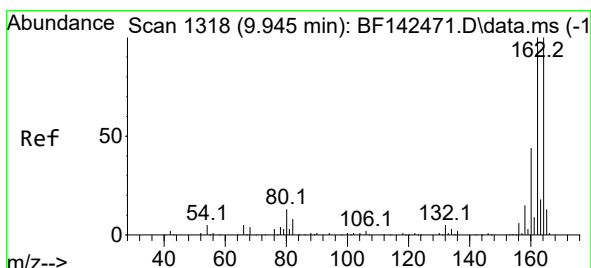
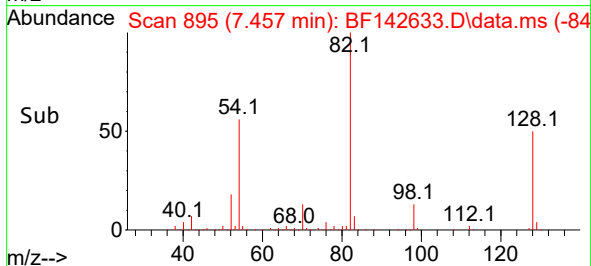
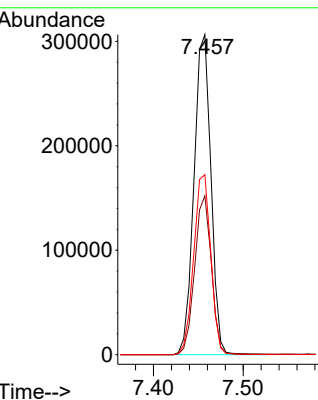
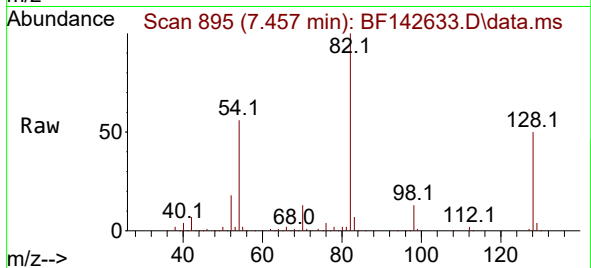
54 56.3 46.6 70.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/06/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

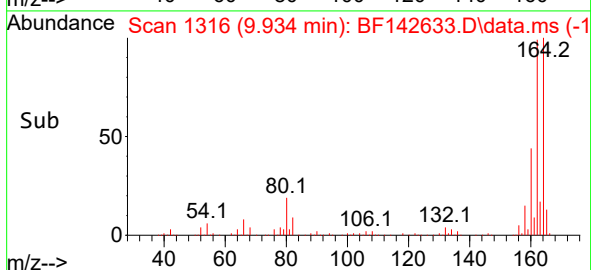
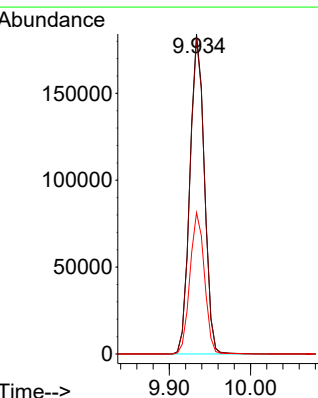
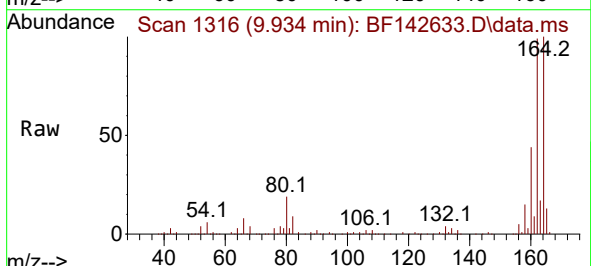
Tgt Ion:164 Resp: 227063

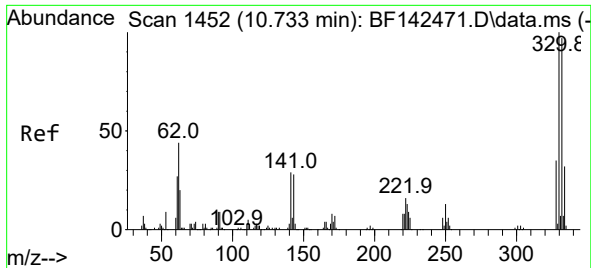
Ion Ratio Lower Upper

164 100

162 98.5 80.2 120.4

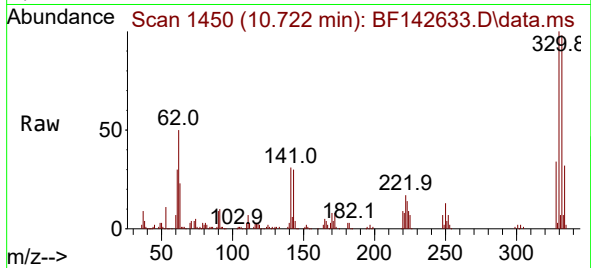
160 44.2 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 61.769 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.017 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

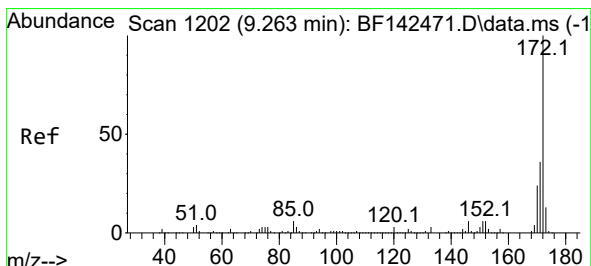
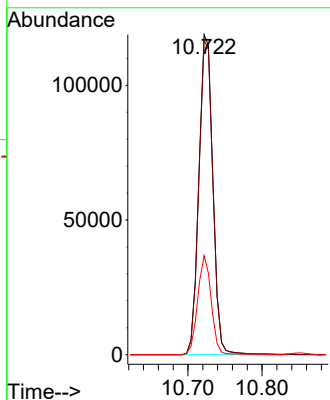
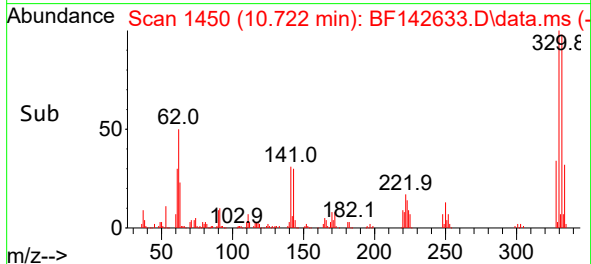
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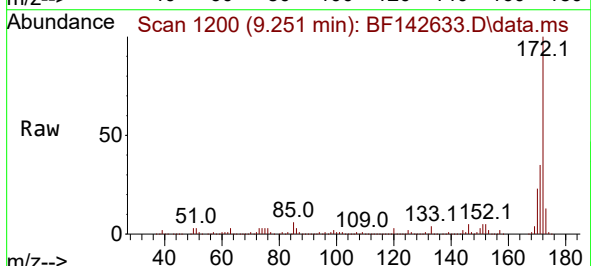
Tgt Ion:330 Resp: 15566
Ion Ratio Lower Upper
330 100
332 98.4 77.6 116.4
141 30.0 24.6 36.8

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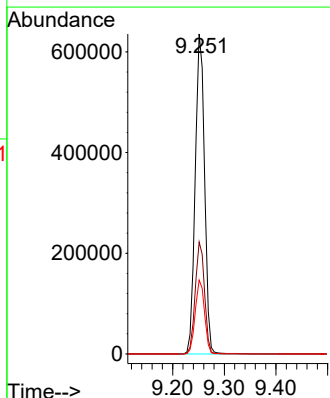
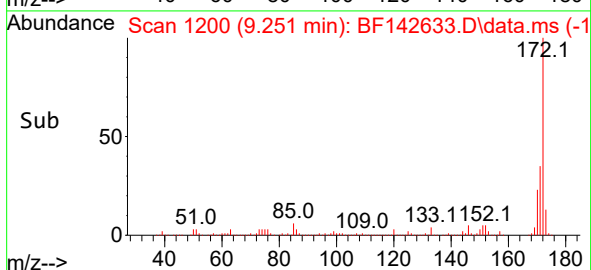
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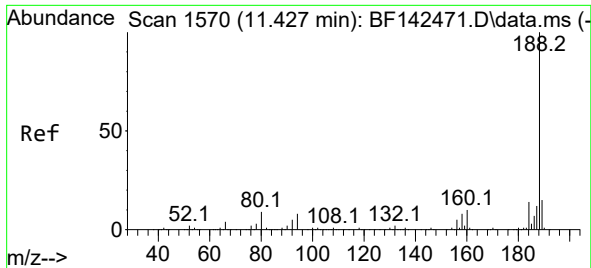


#45
2-Fluorobiphenyl
Concen: 47.263 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



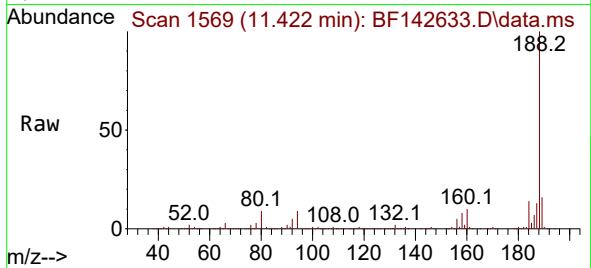
Tgt Ion:172 Resp: 799753
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.1 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

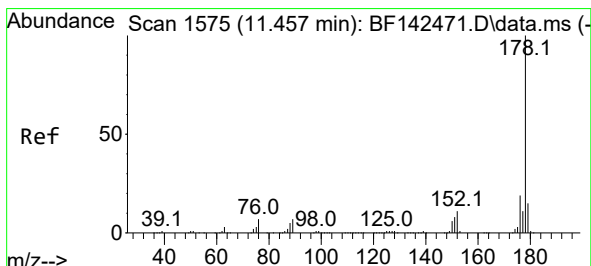
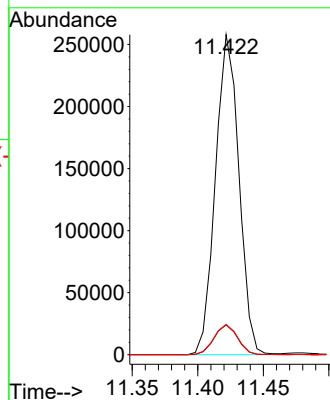
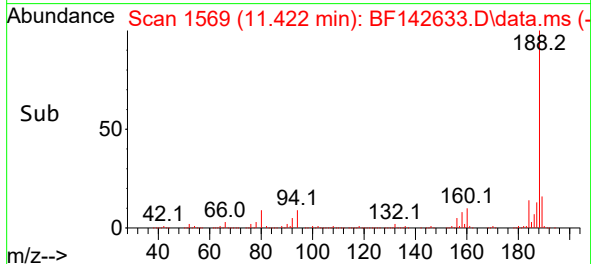
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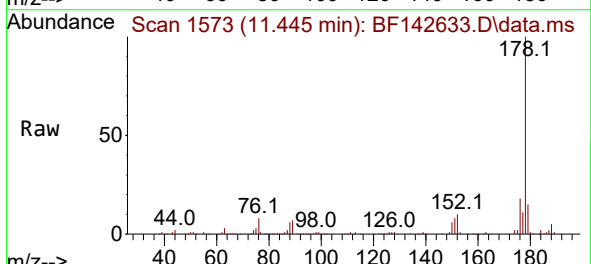
Tgt Ion:188 Resp: 32117
Ion Ratio Lower Upper
188 100
94 9.3 6.6 10.0
80 9.5 7.4 11.0

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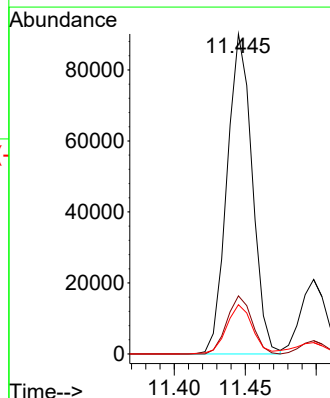
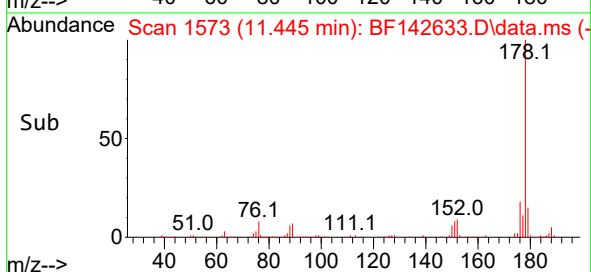
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

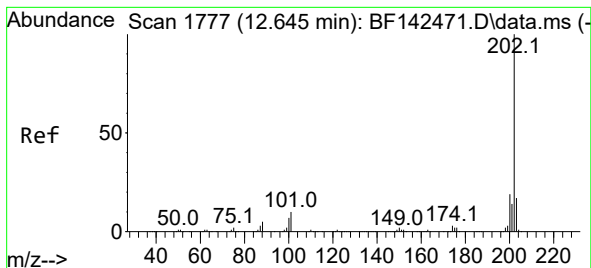


#71
Phenanthrene
Concen: 6.478 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



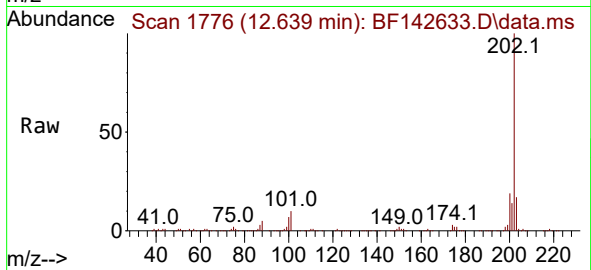
Tgt Ion:178 Resp: 111181
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.4 12.3 18.5





#75
Fluoranthene
Concen: 12.869 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

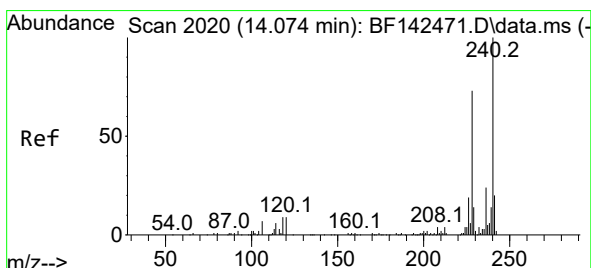
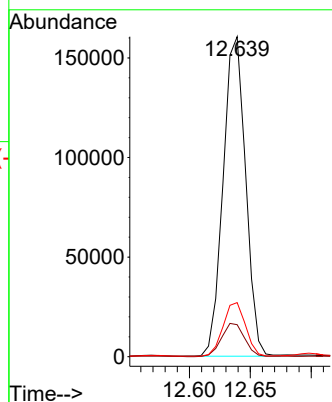
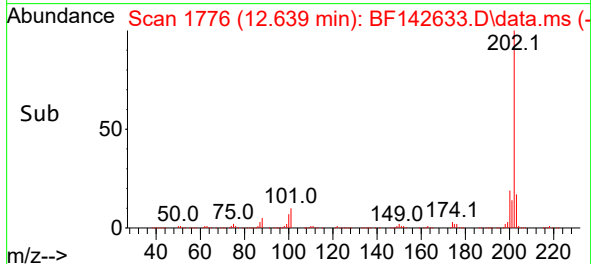
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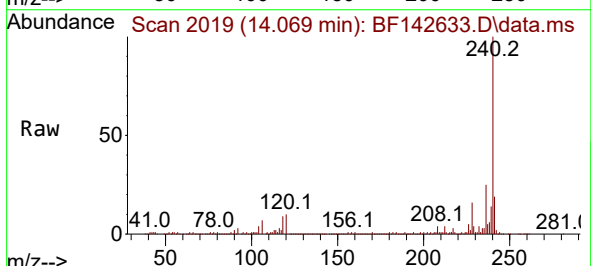
Tgt Ion:202 Resp: 20639
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.6
203 16.9 0.0 37.2

Manual Integrations
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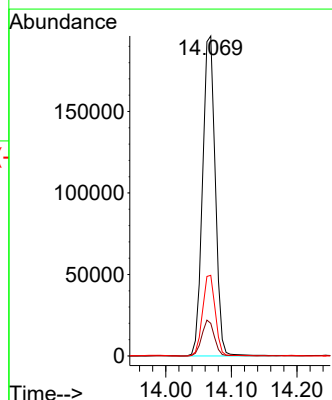
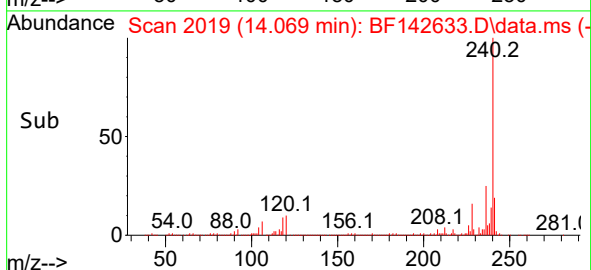
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

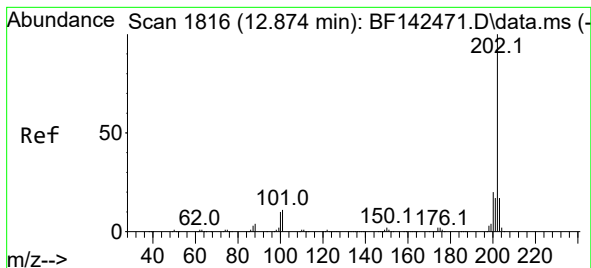


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



Tgt Ion:240 Resp: 265418
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 25.2 19.6 29.4





#78

Pyrene

Concen: 7.012 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

ETGI-343

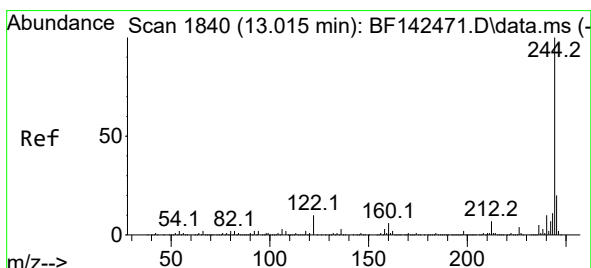
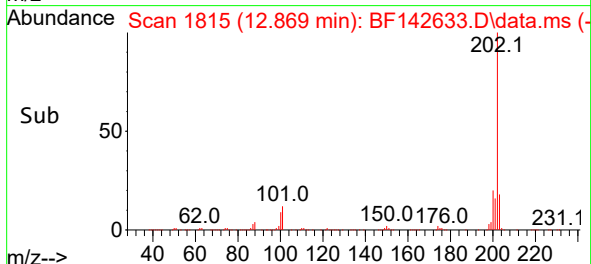
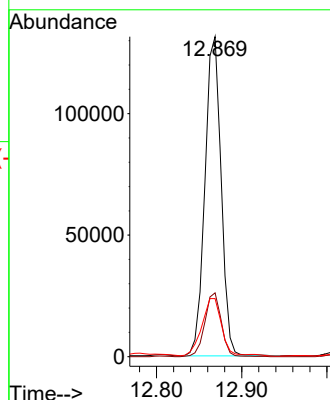
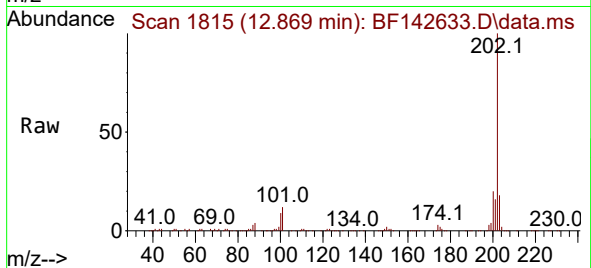
Tgt Ion:202 Resp: 173620
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.1 24.1
 203 18.1 13.9 20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 29.083 ng

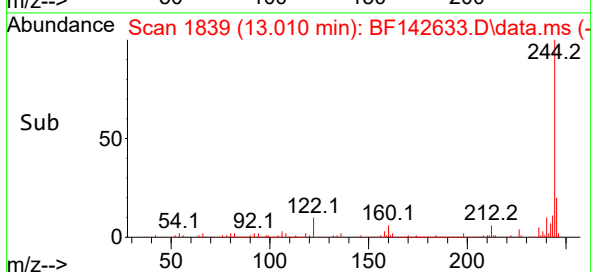
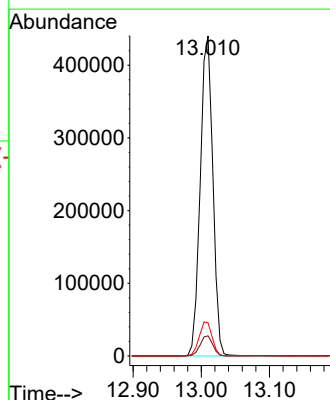
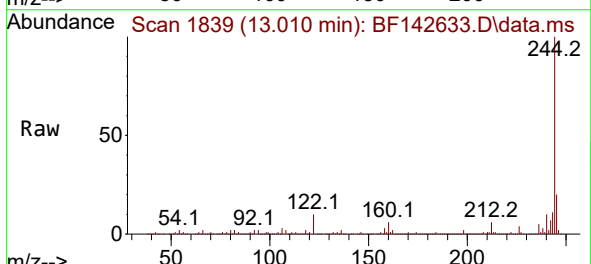
RT: 13.010 min Scan# 1839

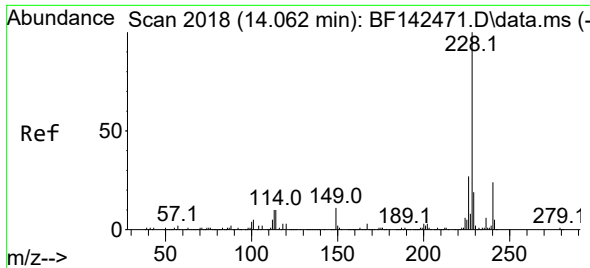
Delta R.T. -0.006 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

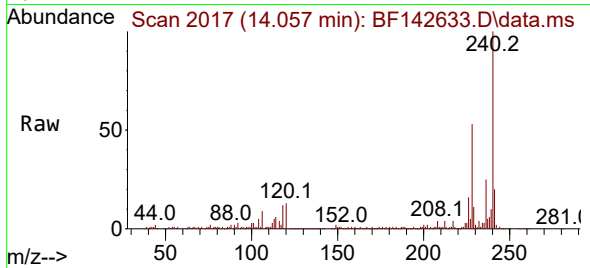
Tgt Ion:244 Resp: 564869
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.3 8.2 12.2





#81
Benzo(a)anthracene
Concen: 4.930 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

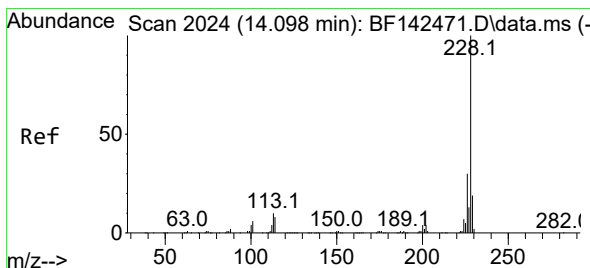
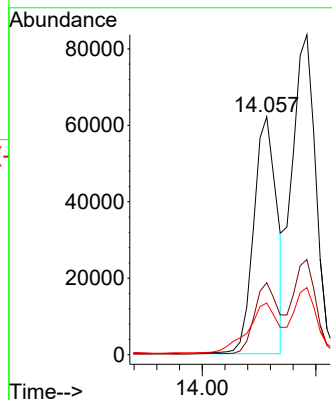
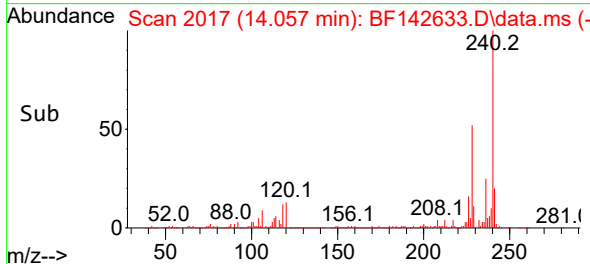
Instrument :
BNA_F
ClientSampleId :
ETGI-343



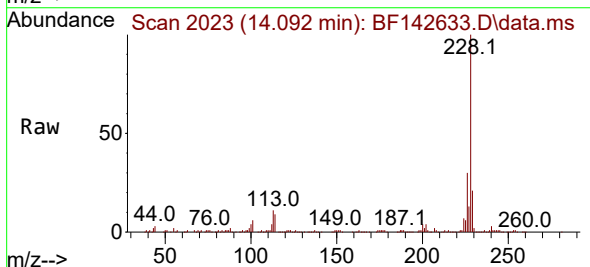
Tgt Ion:228 Resp: 87379
Ion Ratio Lower Upper
228 100
226 30.3 21.2 31.8
229 21.7 15.5 23.3

Manual Integrations
APPROVED

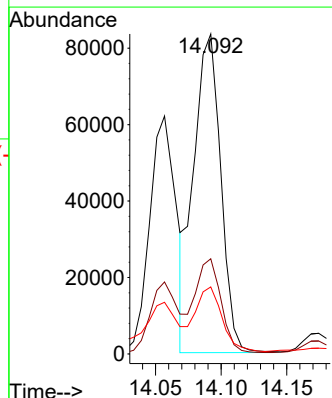
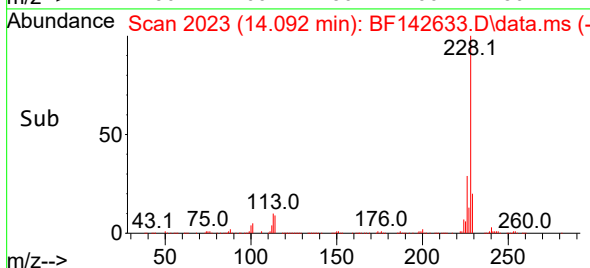
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

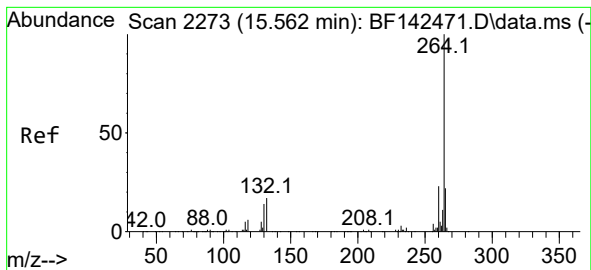


#83
Chrysene
Concen: 7.525 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



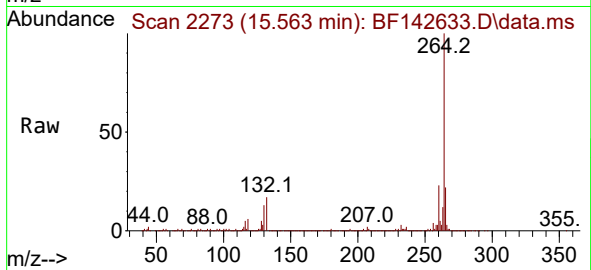
Tgt Ion:228 Resp: 119845
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 21.0 15.4 23.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37

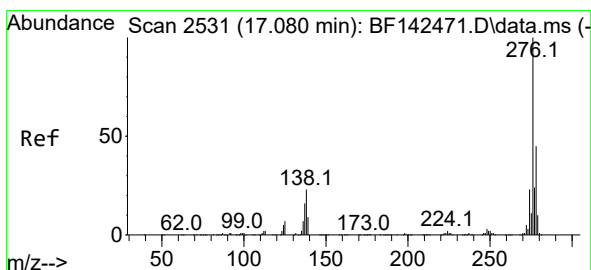
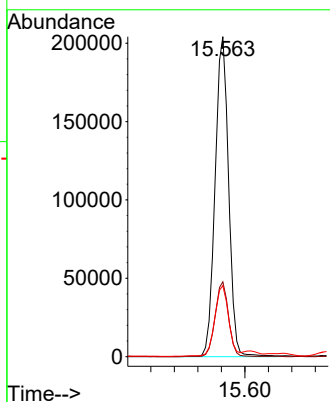
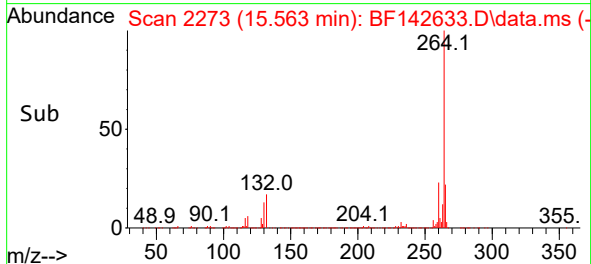
Instrument :
BNA_F
ClientSampleId :
ETGI-343



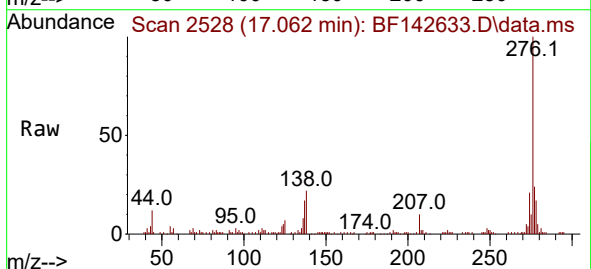
Tgt Ion:264 Resp: 32560
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.2 17.7 26.5

Manual Integrations
APPROVED

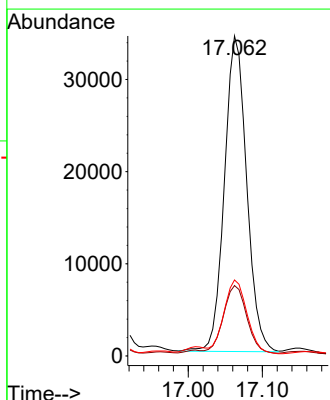
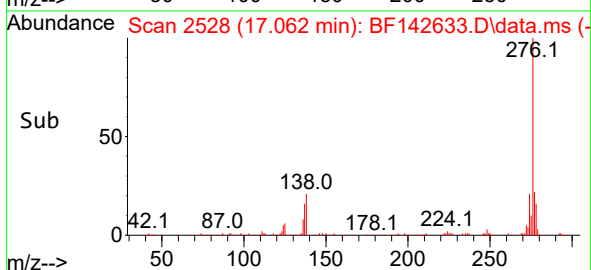
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

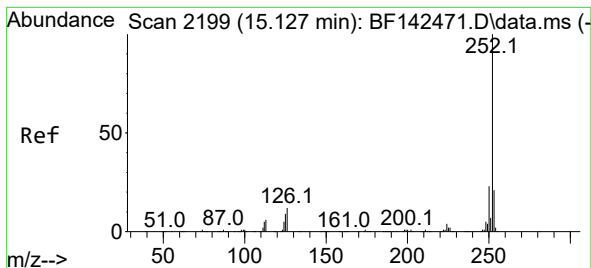


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.920 ng
RT: 17.062 min Scan# 2528
Delta R.T. -0.029 min
Lab File: BF142633.D
Acq: 05 Jun 2025 14:37



Tgt Ion:276 Resp: 71375
Ion Ratio Lower Upper
276 100
138 22.8 19.9 29.9
277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 10.376 ng m

RT: 15.121 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNF

ClientSampleId :

ETGI-343

Tgt Ion:252 Resp: 19995

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.4

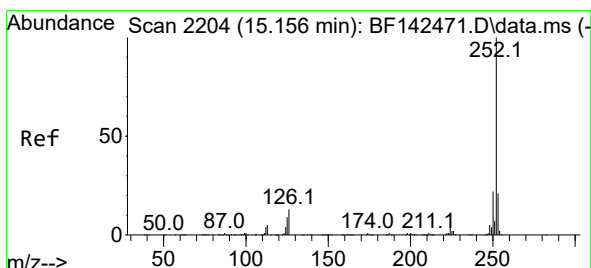
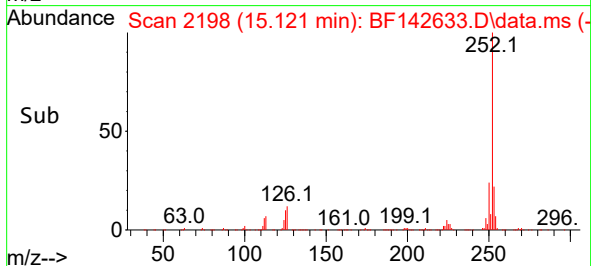
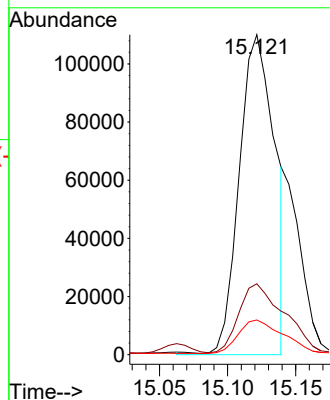
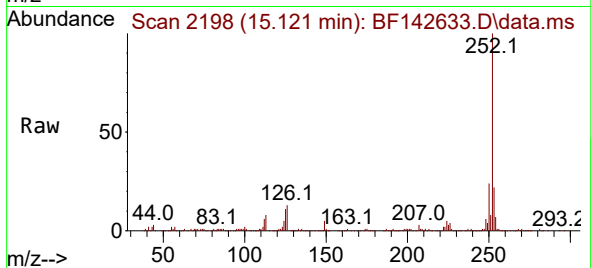
125 10.8 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#89

Benzo(k)fluoranthene

Concen: 2.933 ng m

RT: 15.139 min Scan# 2201

Delta R.T. -0.023 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

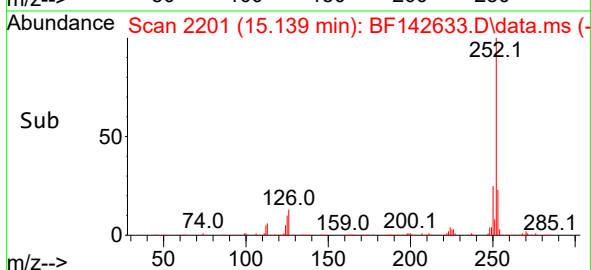
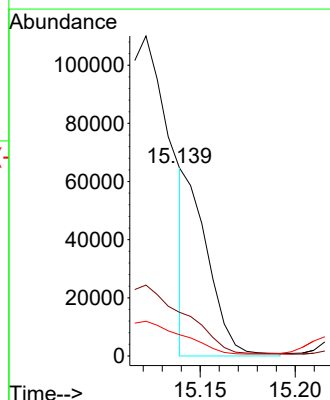
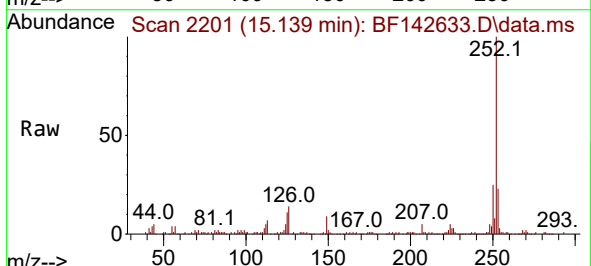
Tgt Ion:252 Resp: 52946

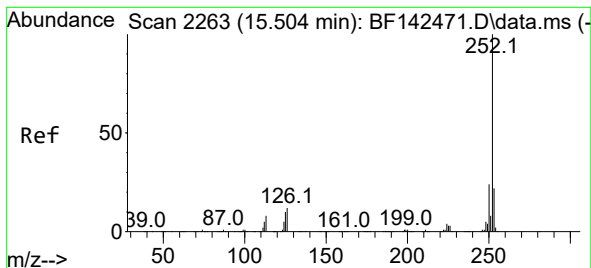
Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

125 11.3 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 5.433 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

ETGI-343

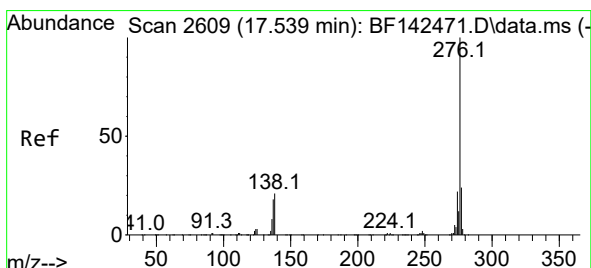
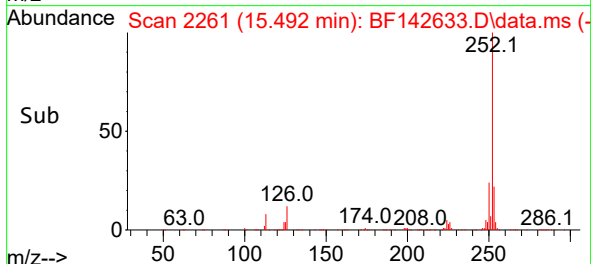
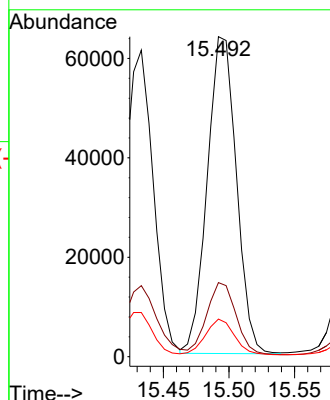
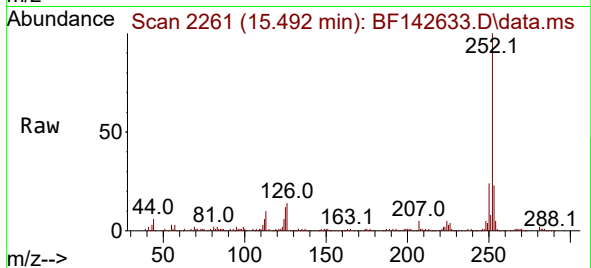
Tgt Ion:	252	Resp:	9868
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	11.7	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#92

Benzo(g,h,i)perylene

Concen: 3.150 ng

RT: 17.521 min Scan# 2606

Delta R.T. -0.035 min

Lab File: BF142633.D

Acq: 05 Jun 2025 14:37

Tgt Ion:	276	Resp:	62457
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.2	28.8
138	22.1	16.8	25.2

