

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142258.D
 Acq On : 01 May 2025 14:09
 Operator : RC/JU
 Sample : Q1920-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 291

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/02/2025
 Supervised By :Jagrut Upadhyay 05/02/2025

Quant Time: May 01 14:37:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	193423	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	716335	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	331151	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	468257	20.000	ng	0.00
76) Chrysene-d12	14.069	240	418314	20.000	ng	0.00
86) Perylene-d12	15.557	264	447008	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	733788	60.588	ng	0.00
7) Phenol-d6	6.516	99	883230	60.391	ng	-0.01
23) Nitrobenzene-d5	7.463	82	488666	44.817	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	163109	54.029	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	999849	42.571	ng	0.00
79) Terphenyl-d14	13.016	244	788193	27.404	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	88540	3.501	ng	98
75) Fluoranthene	12.639	202	167868	6.714	ng	99
78) Pyrene	12.869	202	157157	4.073	ng	98
81) Benzo(a)anthracene	14.057	228	81614	2.906	ng	95
83) Chrysene	14.092	228	77238	3.022	ng	97
84) Bis(2-ethylhexyl)phtha...	14.051	149	6704	3.880	ng	94
88) Benzo(b)fluoranthene	15.121	252	100619m	3.624	ng	
90) Benzo(a)pyrene	15.492	252	65751	2.586	ng	100

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

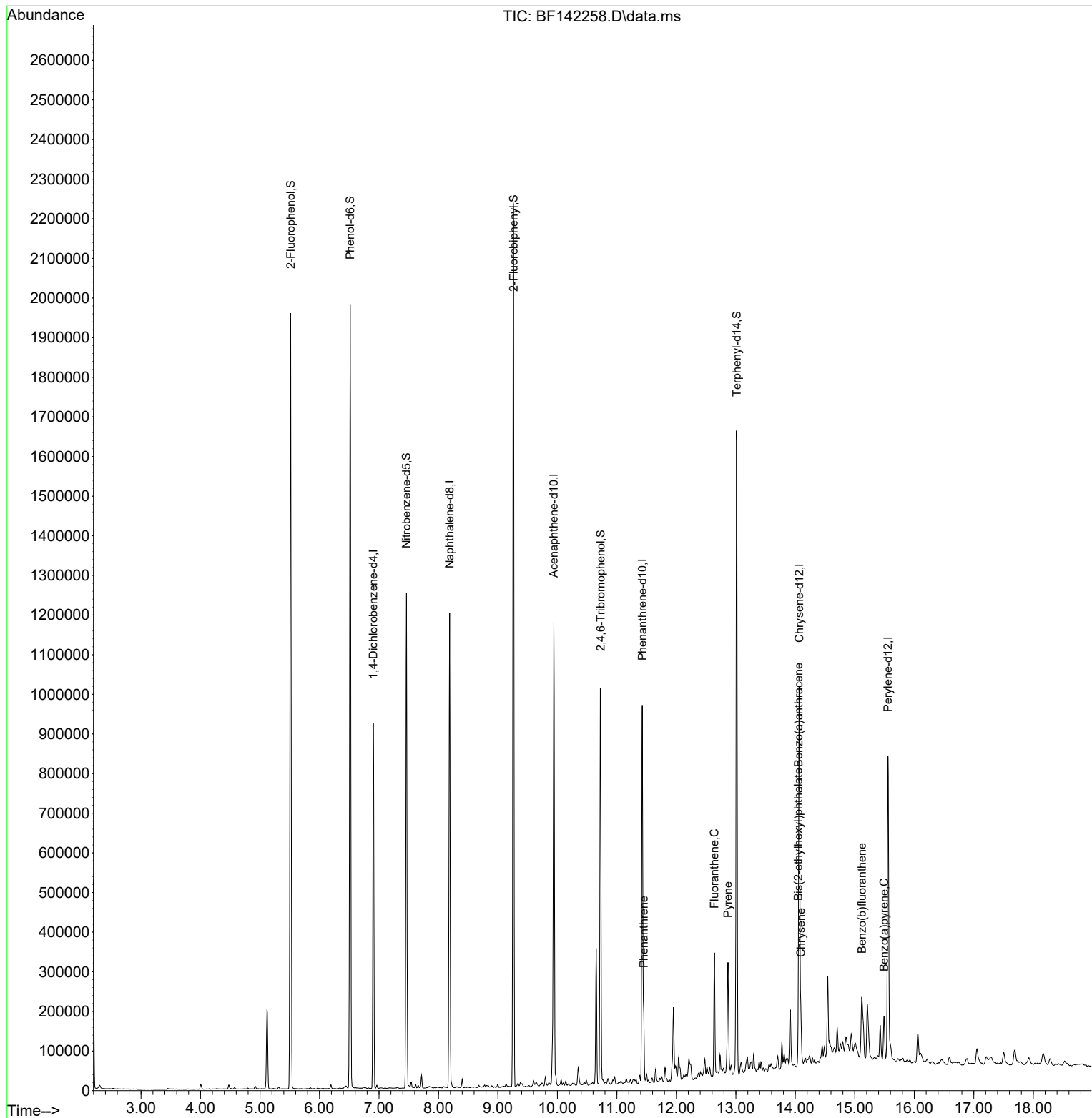
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142258.D
Acq On : 01 May 2025 14:09
Operator : RC/JU
Sample : Q1920-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

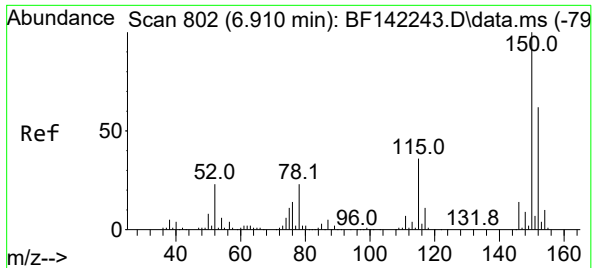
Instrument :
BNA_F
ClientSampleId :
291

Quant Time: May 01 14:37:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

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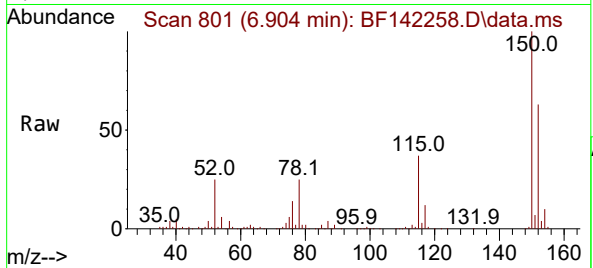
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

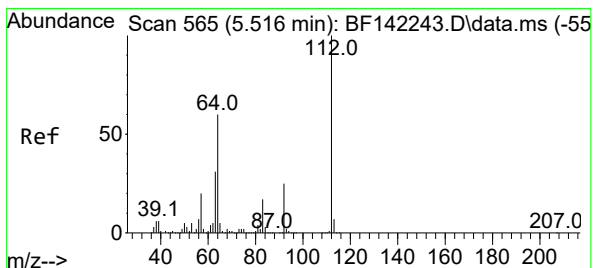
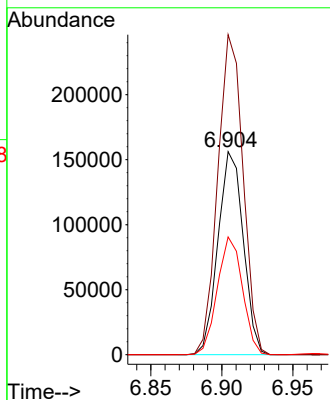
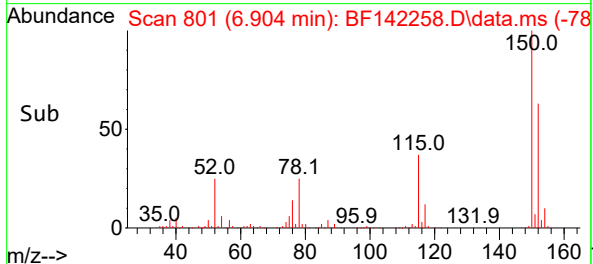
Instrument :
BNA_F
ClientSampleId :
291



Tgt Ion:152 Resp: 19342
Ion Ratio Lower Upper
152 100
150 157.6 130.2 195.2
115 58.0 47.0 70.4

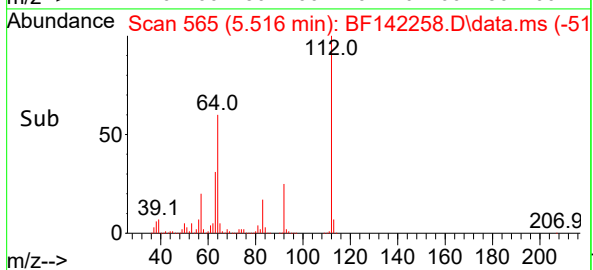
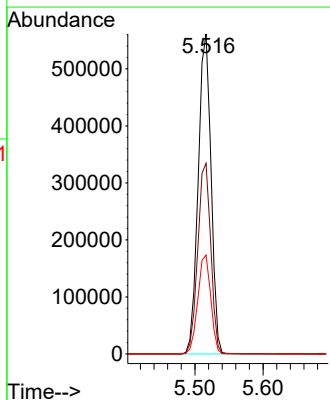
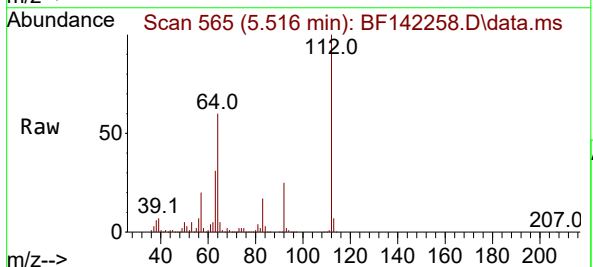
Manual Integrations
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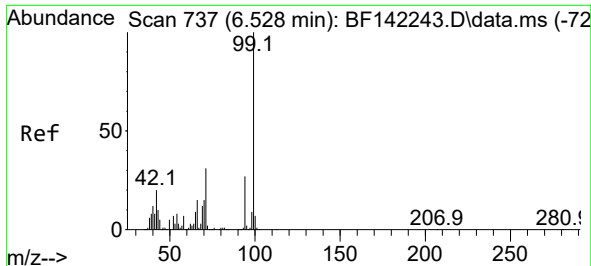
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#5
2-Fluorophenol
Concen: 60.588 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

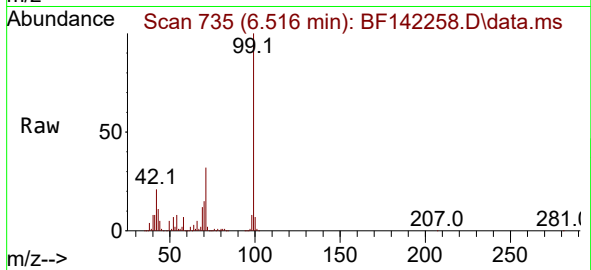
Tgt Ion:112 Resp: 733788
Ion Ratio Lower Upper
112 100
64 59.6 48.4 72.6
63 30.9 24.8 37.2





#7
Phenol-d6
Concen: 60.391 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

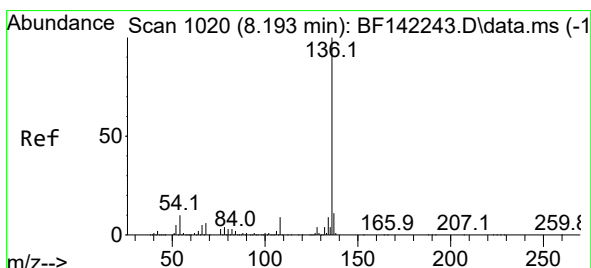
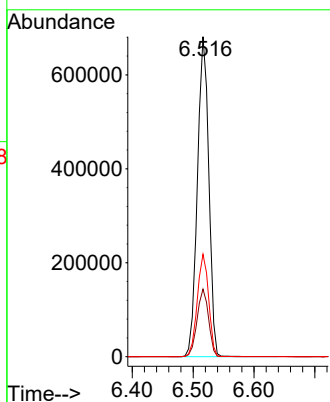
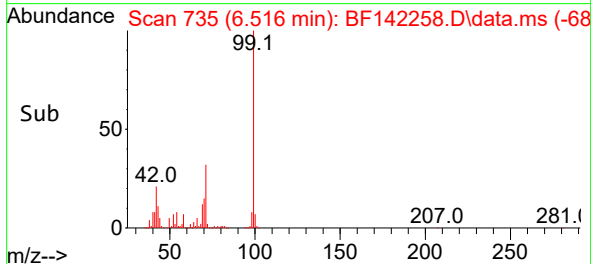
Instrument :
BNA_F
ClientSampleId :
291



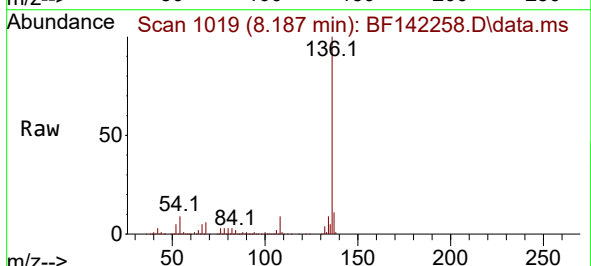
Tgt Ion: 99 Resp: 883230
Ion Ratio Lower Upper
99 100
42 21.1 16.3 24.5
71 32.0 25.0 37.4

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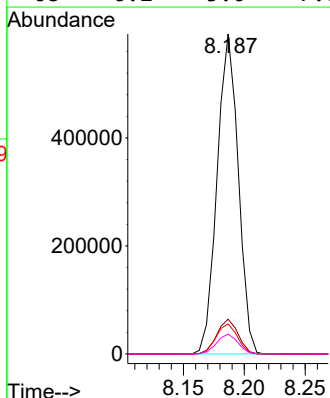
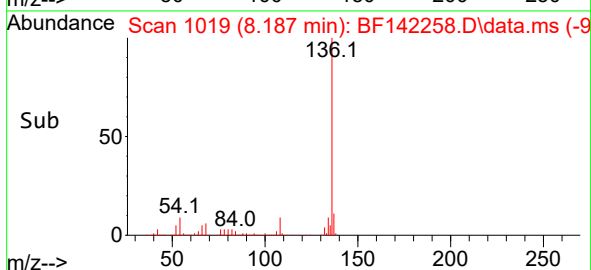
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

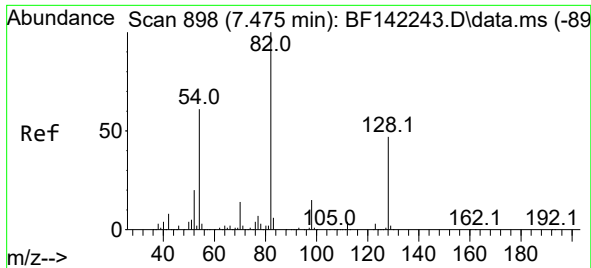


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09



Tgt Ion:136 Resp: 716335
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.4 7.7 11.5
68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 44.817 ng

RT: 7.463 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142258.D

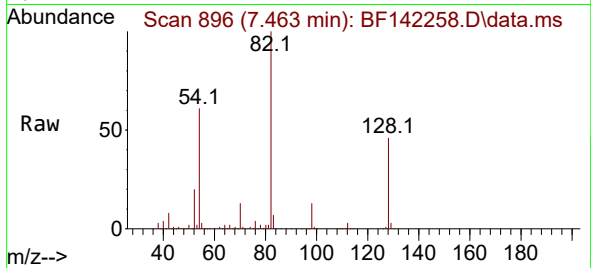
Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291



Tgt Ion: 82 Resp: 488660

Ion Ratio Lower Upper

82 100

128 46.2 37.0 55.6

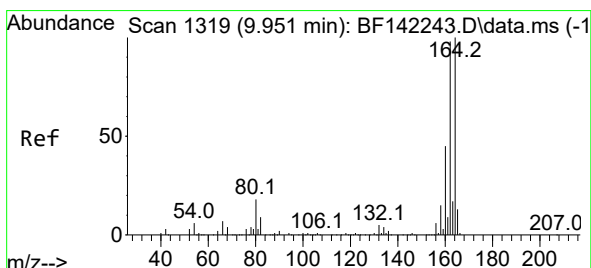
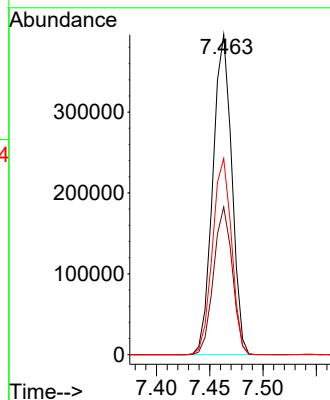
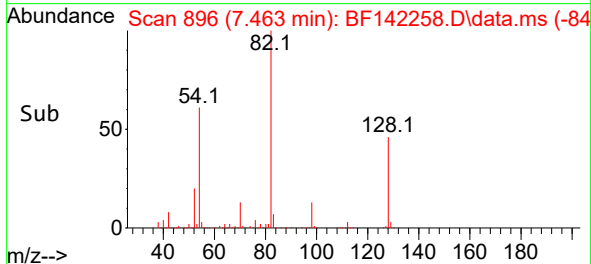
54 61.3 48.0 72.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

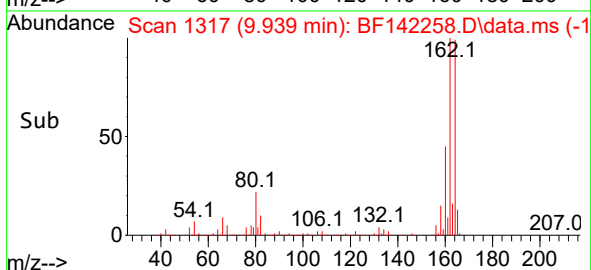
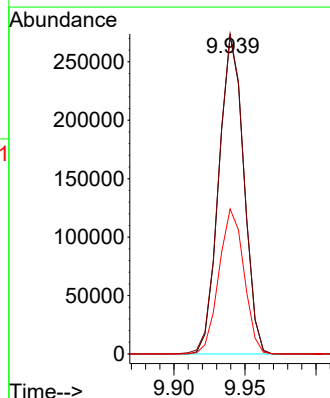
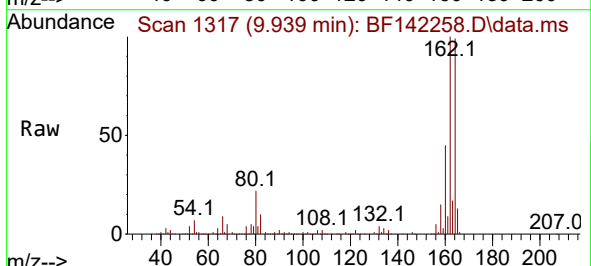
Tgt Ion:164 Resp: 331151

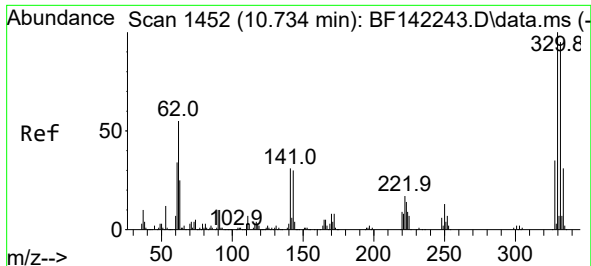
Ion Ratio Lower Upper

164 100

162 100.6 78.6 117.8

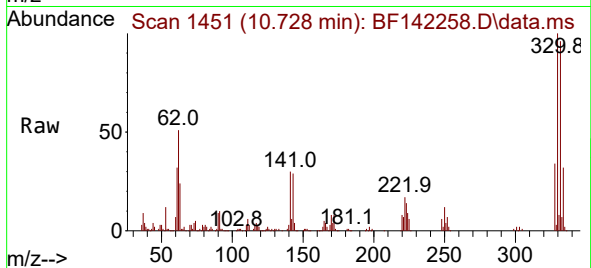
160 45.6 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 54.029 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

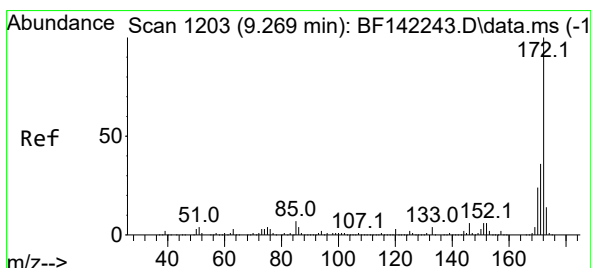
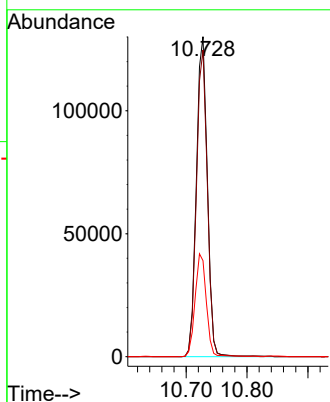
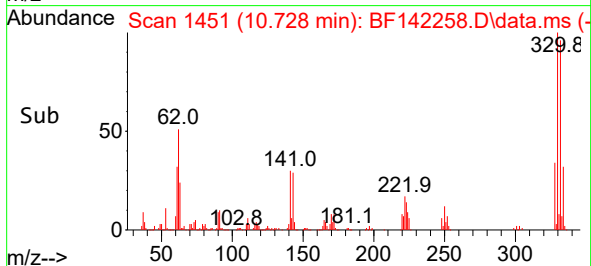
Instrument :
BNA_F
ClientSampleId :
291



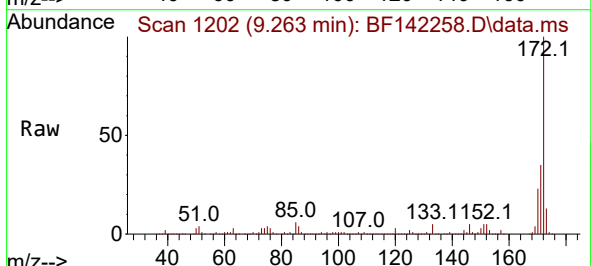
Tgt Ion:330 Resp: 163109
Ion Ratio Lower Upper
330 100
332 95.1 76.5 114.7
141 33.1 24.3 36.5

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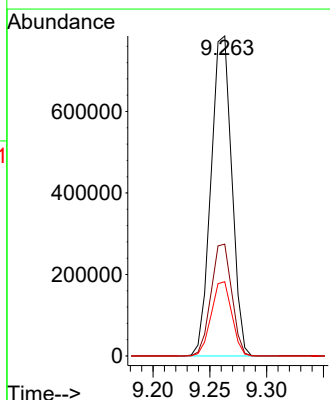
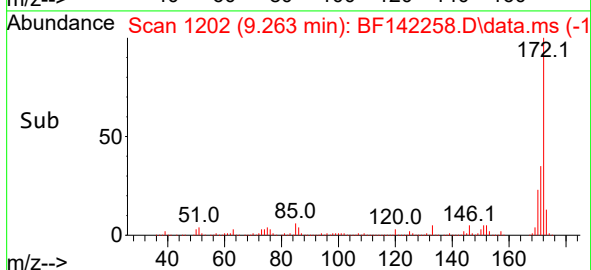
Reviewed By :Rahul Chavli 05/02/2025
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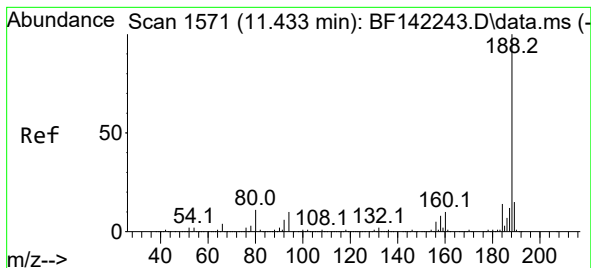


#45
2-Fluorobiphenyl
Concen: 42.571 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09



Tgt Ion:172 Resp: 999849
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 23.2 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

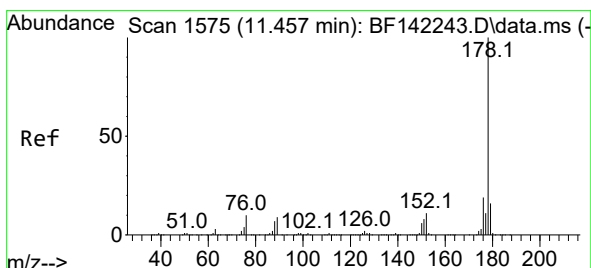
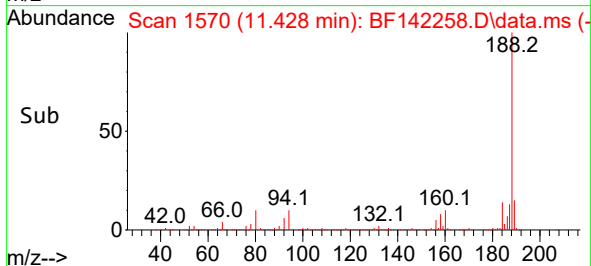
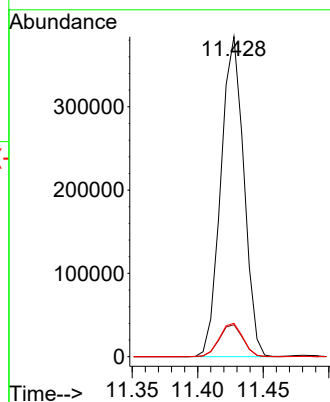
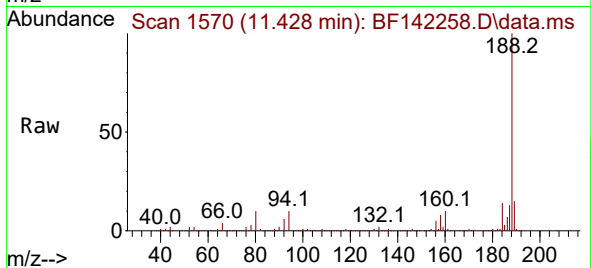
Tgt Ion:188 Resp: 46825
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.2 12.2
 80 10.4 8.6 12.8

Manual Integrations

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#71

Phenanthrene

Concen: 3.501 ng

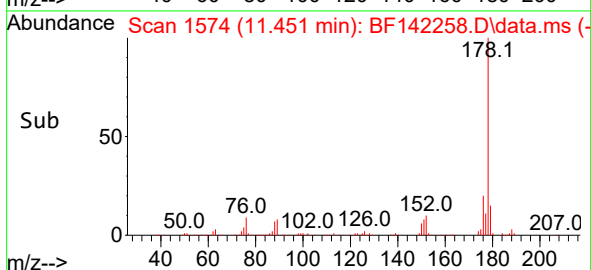
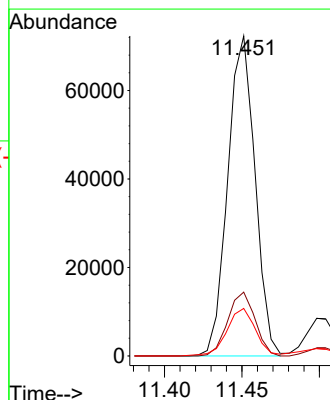
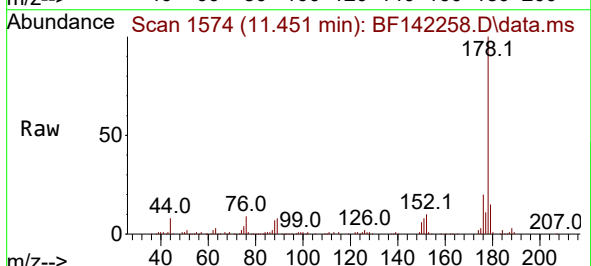
RT: 11.451 min Scan# 1574

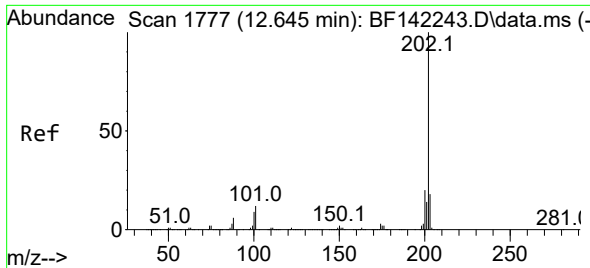
Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

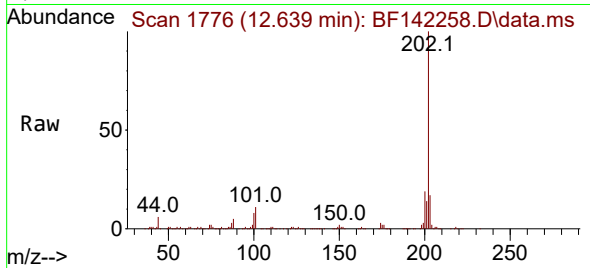
Tgt Ion:178 Resp: 88540
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.5 23.3
 179 14.8 12.6 19.0





#75
Fluoranthene
Concen: 6.714 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

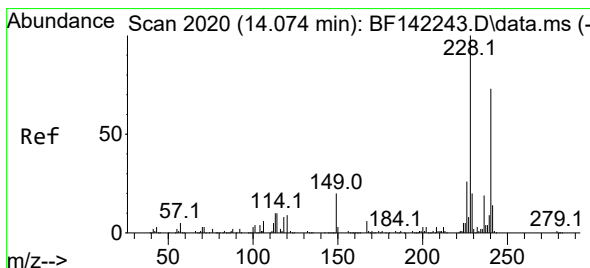
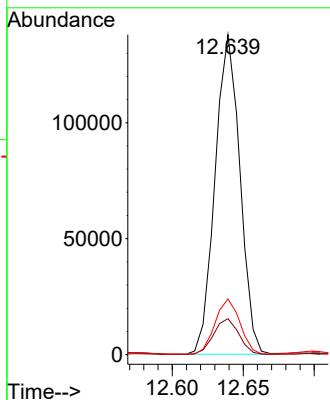
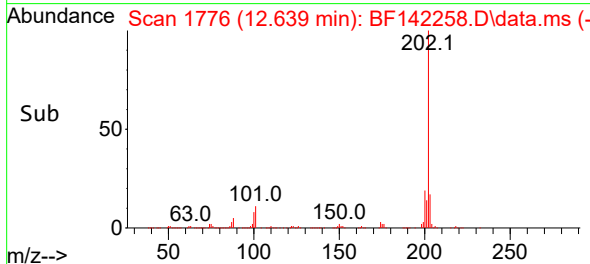
Instrument :
BNA_F
ClientSampleId :
291



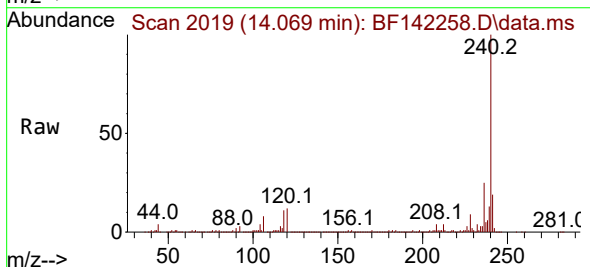
Tgt Ion:202 Resp: 16786
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.4
203 17.4 0.0 37.5

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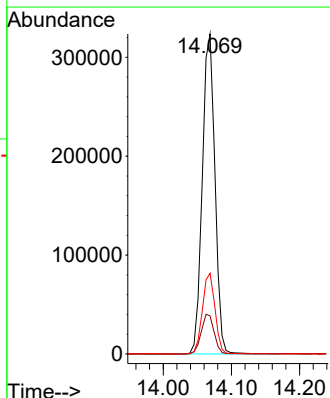
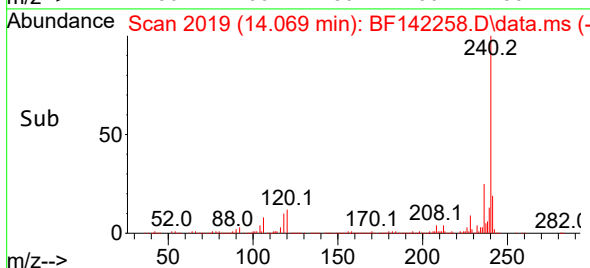
Reviewed By :Rahul Chavli 05/02/2025
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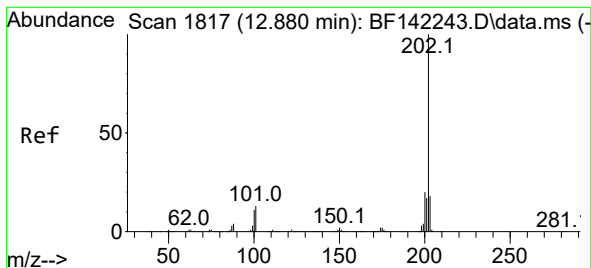


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09



Tgt Ion:240 Resp: 418314
Ion Ratio Lower Upper
240 100
120 11.9 10.1 15.1
236 25.2 20.5 30.7





#78

Pyrene

Concen: 4.073 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

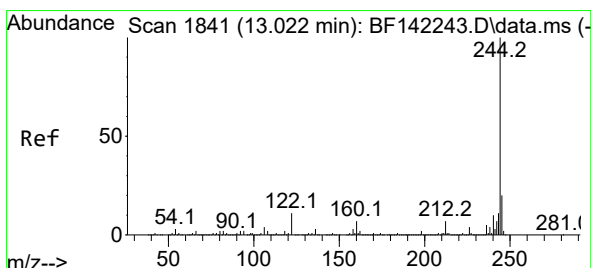
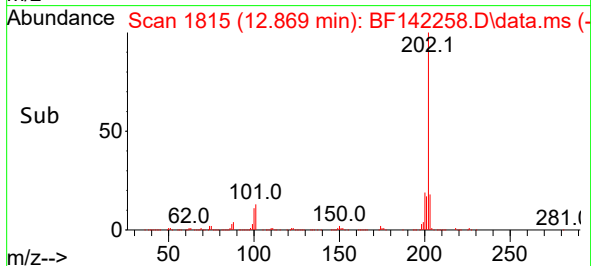
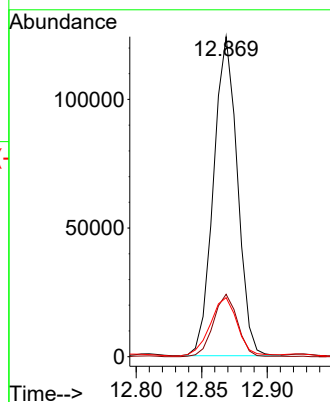
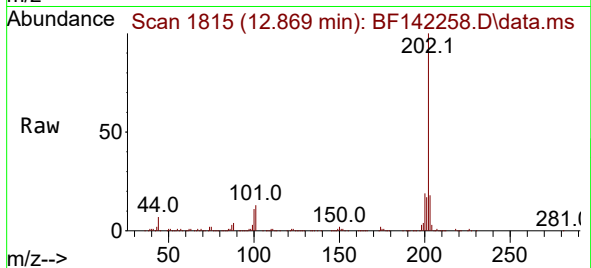
Tgt Ion:202 Resp: 15715
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.1 24.1
 203 18.4 14.1 21.1

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Supervised By :Jagrut Upadhyay 05/02/2025



#79

Terphenyl-d14

Concen: 27.404 ng

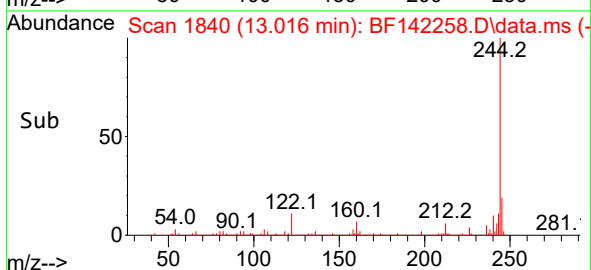
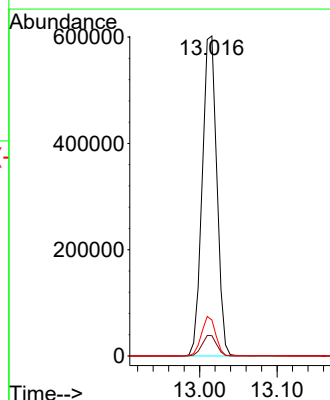
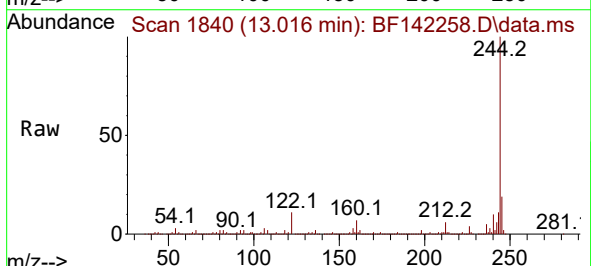
RT: 13.016 min Scan# 1840

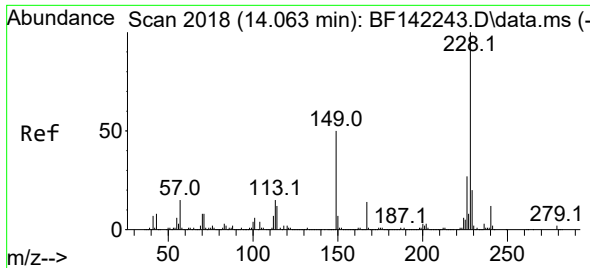
Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

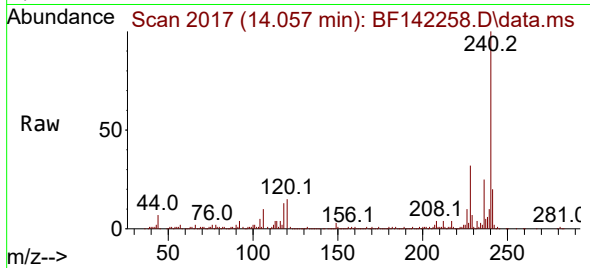
Tgt Ion:244 Resp: 788193
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 11.2 9.1 13.7





#81
Benzo(a)anthracene
Concen: 2.906 ng
RT: 14.057 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

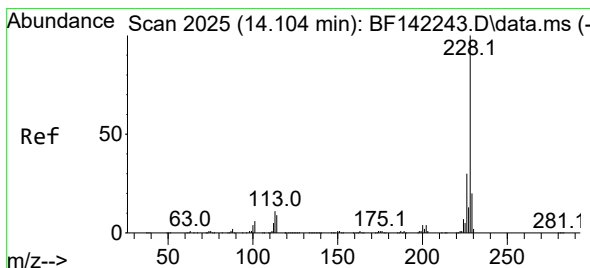
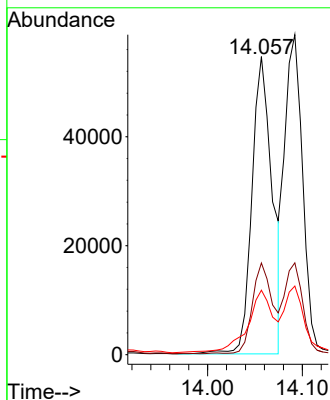
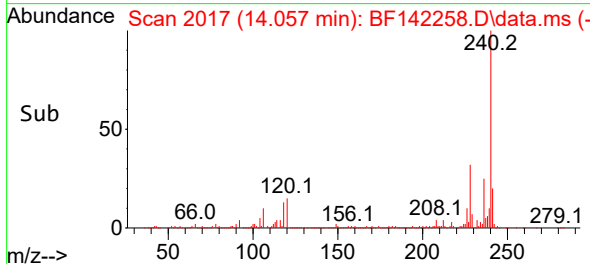
Instrument :
BNA_F
ClientSampleId :
291



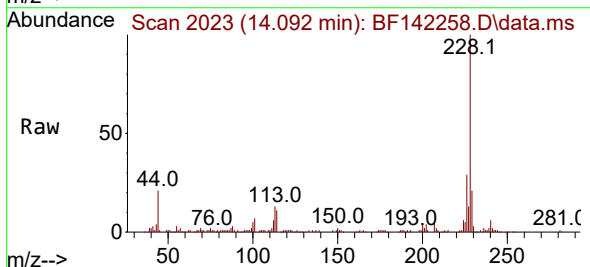
Tgt Ion:228 Resp: 81614
Ion Ratio Lower Upper
228 100
226 30.8 21.9 32.9
229 21.6 16.0 24.0

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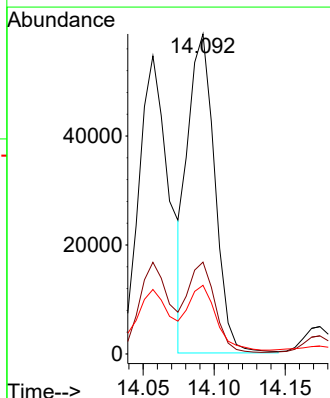
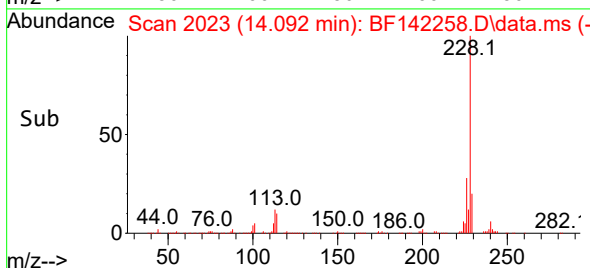
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

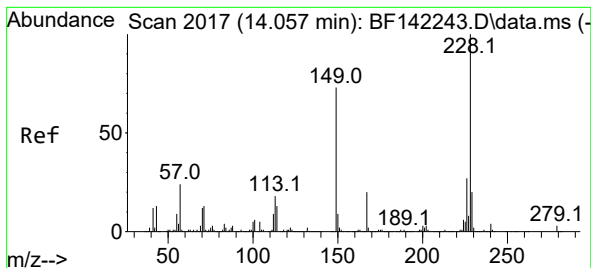


#83
Chrysene
Concen: 3.022 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09



Tgt Ion:228 Resp: 77238
Ion Ratio Lower Upper
228 100
226 28.7 24.0 36.0
229 21.5 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.880 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

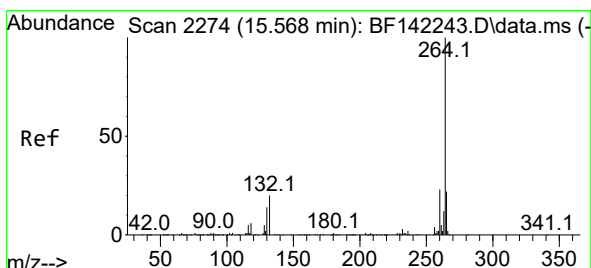
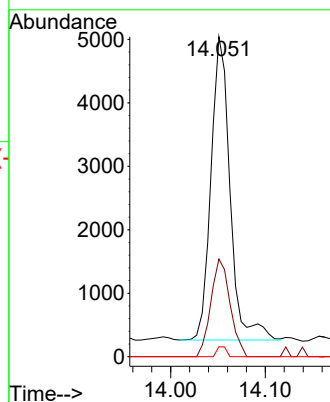
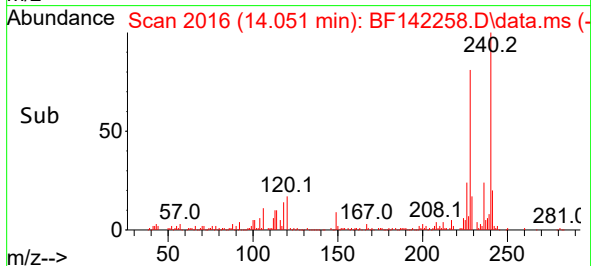
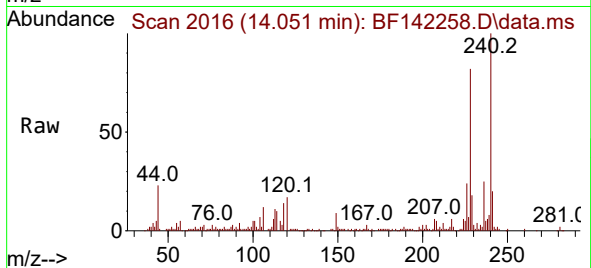
Tgt Ion:149	Resp:	6704
Ion Ratio	Lower	Upper
149 100		
167 30.5	21.7	32.5
279 3.1	3.0	4.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#86

Perylene-d12

Concen: 20.000 ng

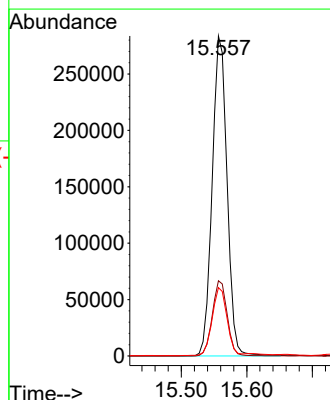
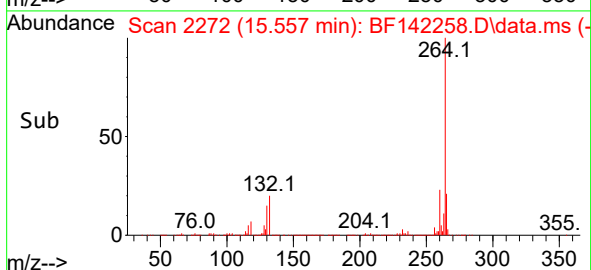
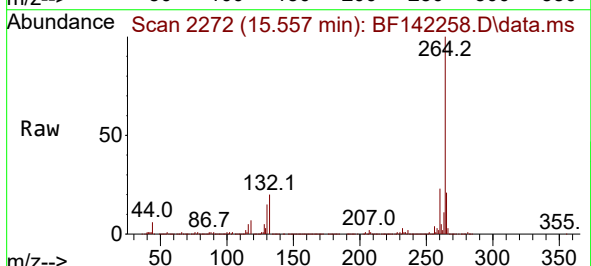
RT: 15.557 min Scan# 2272

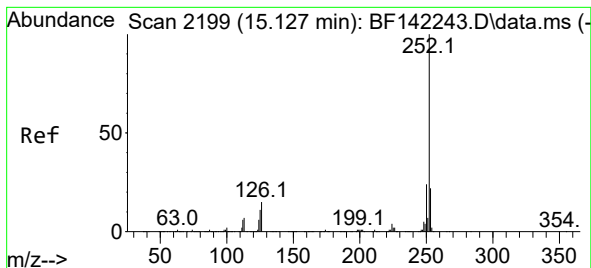
Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Tgt Ion:264	Resp:	447008
Ion Ratio	Lower	Upper
264 100		
260 23.5	18.4	27.6
265 21.3	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 3.624 ng m

RT: 15.121 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

Tgt Ion:252 Resp: 100619

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

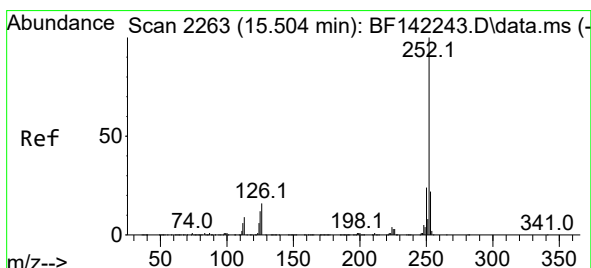
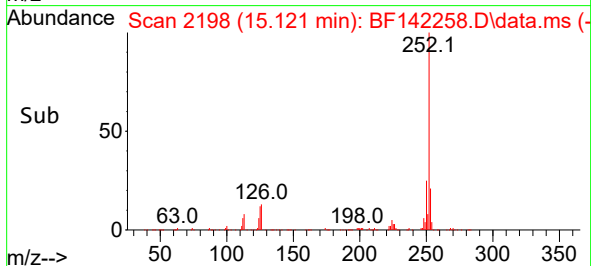
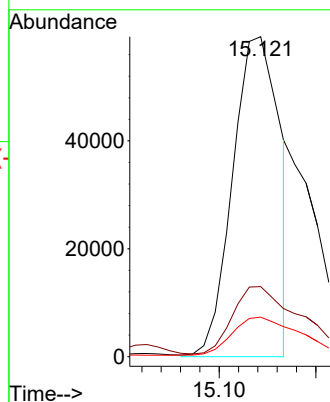
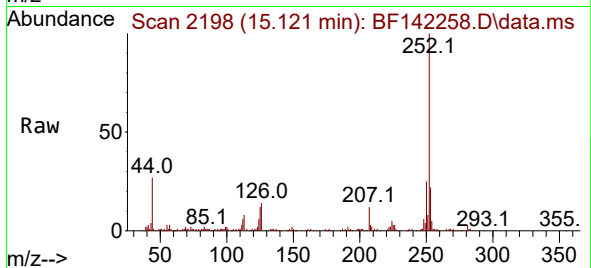
125 12.3 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#90

Benzo(a)pyrene

Concen: 2.586 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Tgt Ion:252 Resp: 65751

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 11.8 9.5 14.3

