

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142433.D
 Acq On : 16 May 2025 18:13
 Operator : RC/JU
 Sample : Q2034-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-6

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

Quant Time: May 16 22:41:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	144562	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	534067	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	259612	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	352364	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	287272	20.000	ng	0.00
86) Perylene-d12	15.551	264	226977	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	633217	74.774	ng	0.00
7) Phenol-d6	6.522	99	806642	77.446	ng	0.00
23) Nitrobenzene-d5	7.457	82	447936	51.152	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	173049	69.040	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	864874	47.502	ng	0.00
79) Terphenyl-d14	13.010	244	603516	31.095	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	43650	2.363	ng	98
75) Fluoranthene	12.633	202	85847	4.650	ng	99
78) Pyrene	12.863	202	75640	2.958	ng	98
83) Chrysene	14.086	228	37555	2.168	ng	97
88) Benzo(b)fluoranthene	15.116	252	42832m	3.116	ng	

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

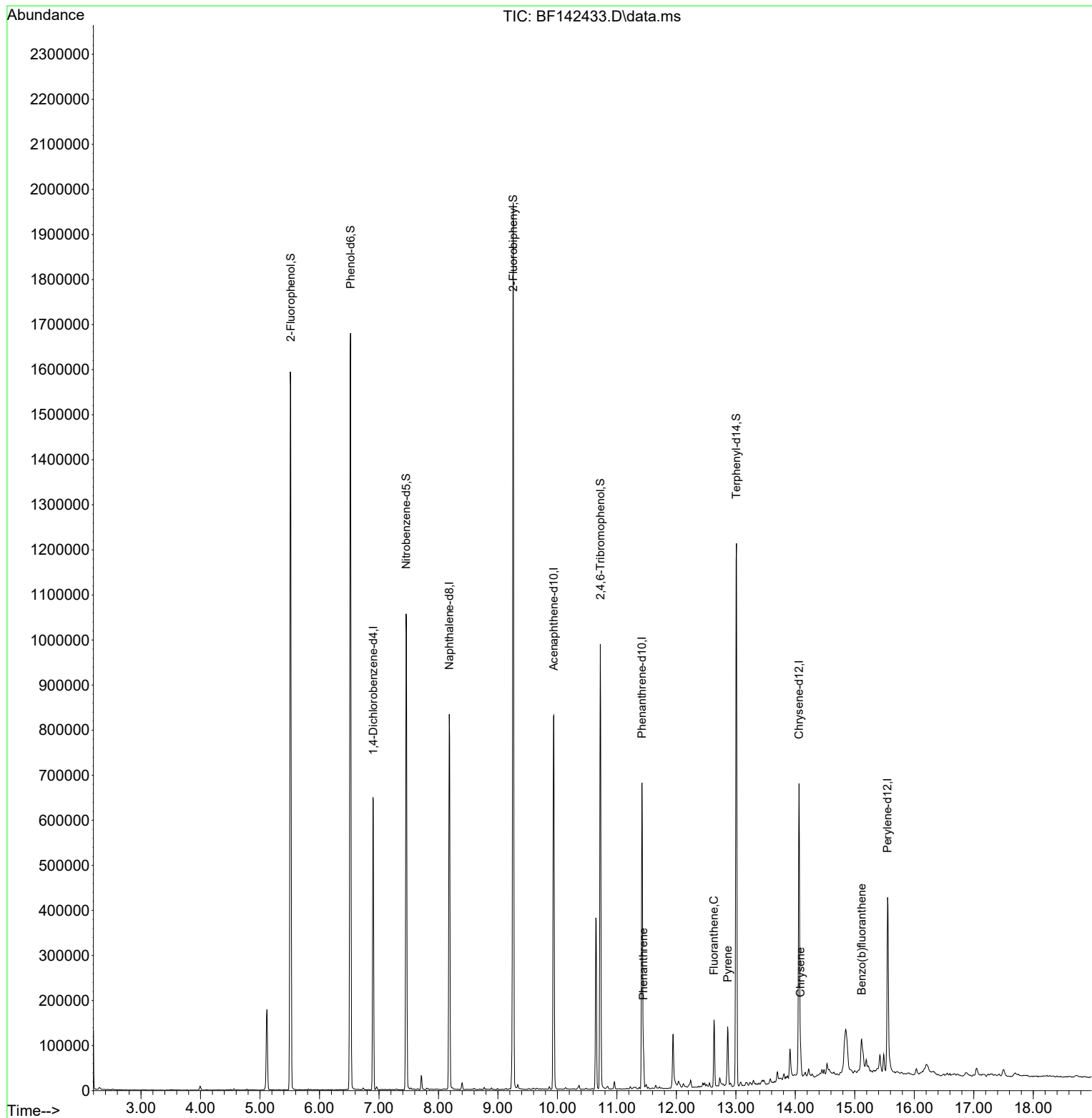
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
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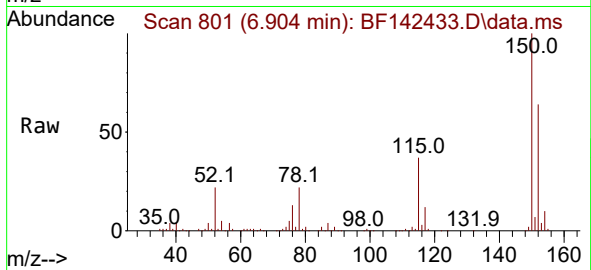
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

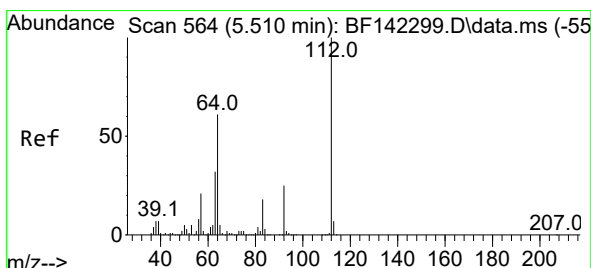
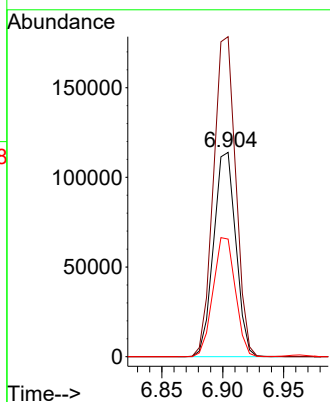
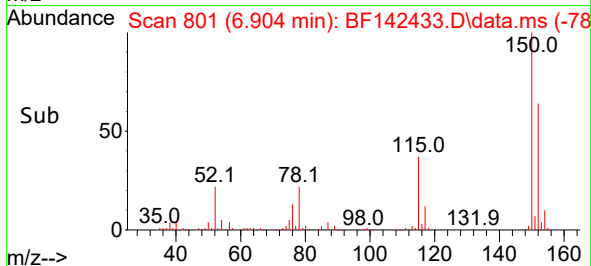
Instrument :
BNA_F
ClientSampleId :
L3-WC-6



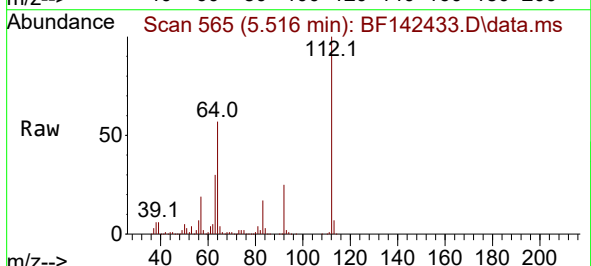
Tgt Ion:152 Resp: 144562
Ion Ratio Lower Upper
152 100
150 156.6 126.6 190.0
115 57.6 47.3 70.9

Manual Integrations
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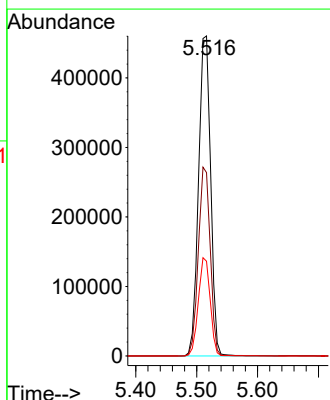
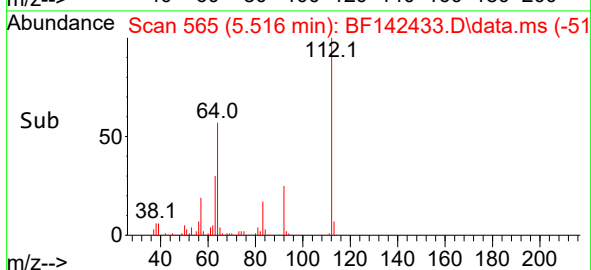
Reviewed By :Rahul Chavli 05/19/2025
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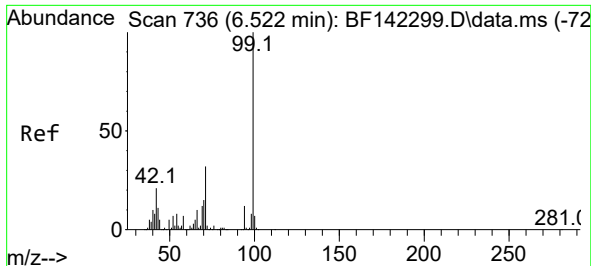


#5
2-Fluorophenol
Concen: 74.774 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13



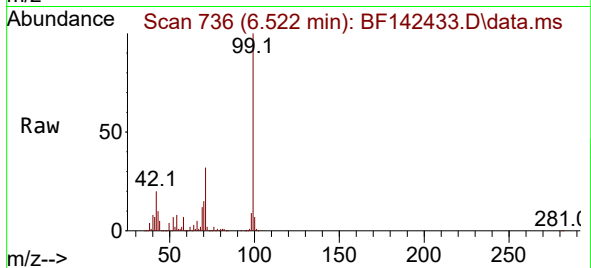
Tgt Ion:112 Resp: 633217
Ion Ratio Lower Upper
112 100
64 57.3 48.9 73.3
63 29.6 25.6 38.4





#7
Phenol-d6
Concen: 77.446 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

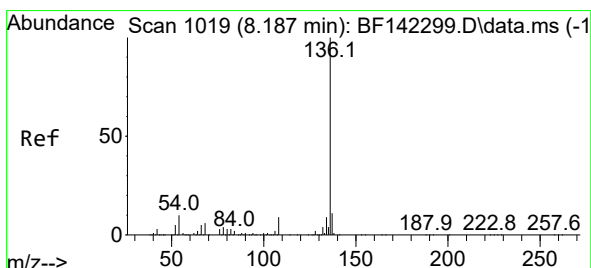
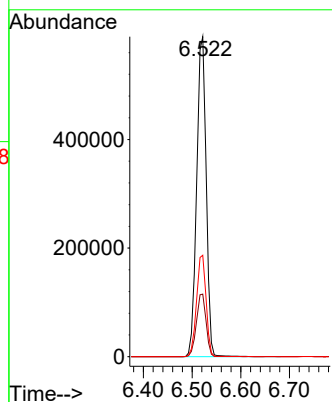
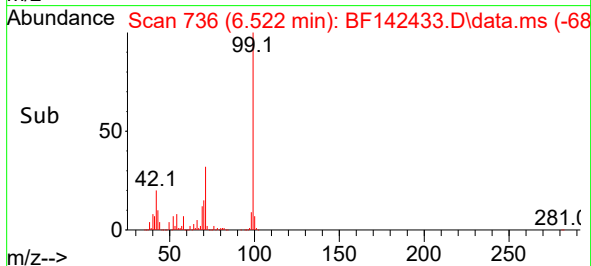
Instrument :
BNA_F
ClientSampleId :
L3-WC-6



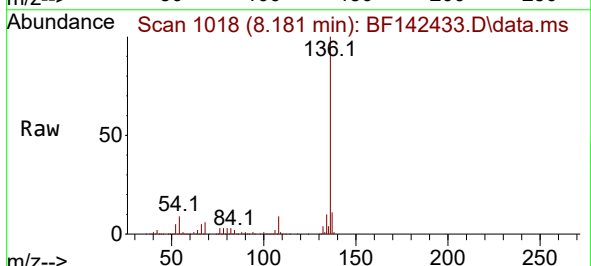
Tgt Ion: 99 Resp: 80664
Ion Ratio Lower Upper
99 100
42 19.5 17.0 25.4
71 31.7 25.8 38.8

Manual Integrations
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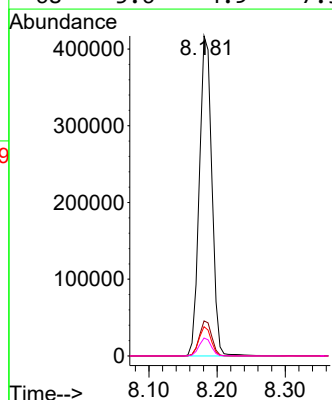
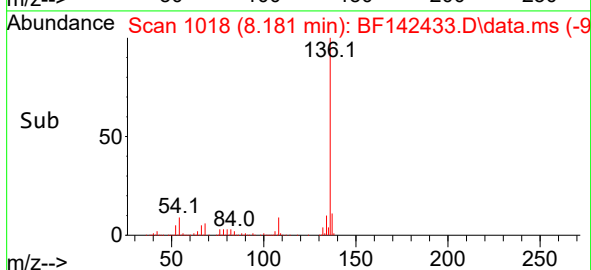
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13



Tgt Ion:136 Resp: 534067
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.2 7.7 11.5
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 51.152 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142433.D

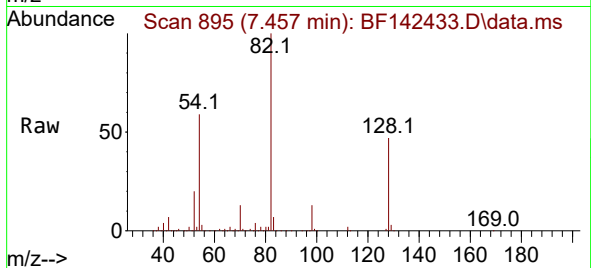
Acq: 16 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

L3-WC-6



Tgt Ion: 82 Resp: 447930

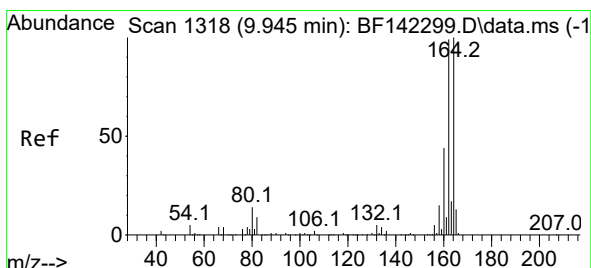
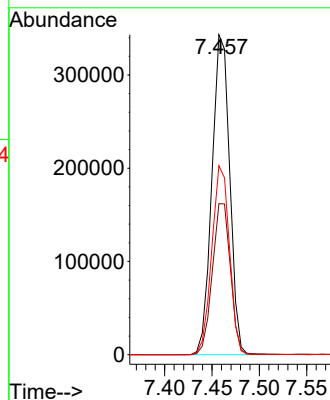
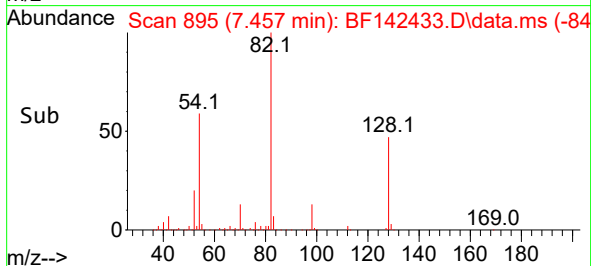
Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.0	55.6
54	59.0	48.6	73.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/19/2025



#39

Acenaphthene-d10

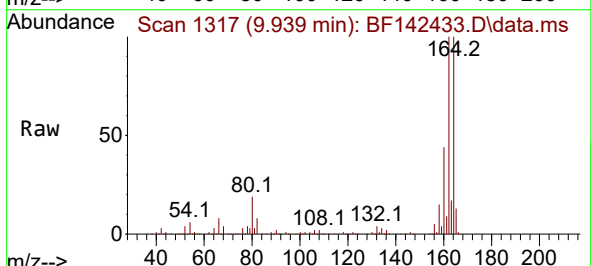
Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

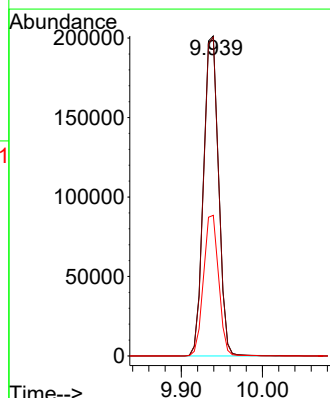
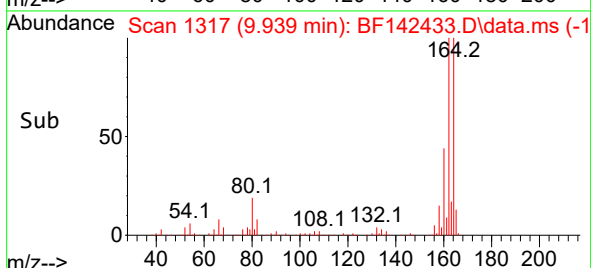
Lab File: BF142433.D

Acq: 16 May 2025 18:13



Tgt Ion:164 Resp: 259612

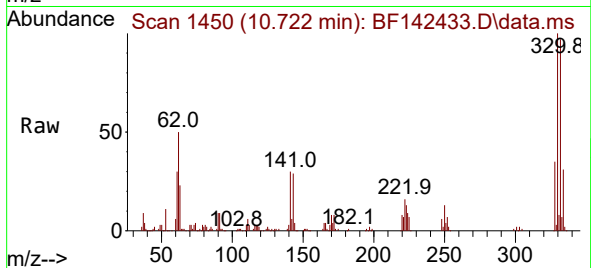
Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.2	118.8
160	43.9	35.3	52.9





#42
2,4,6-Tribromophenol
Concen: 69.040 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

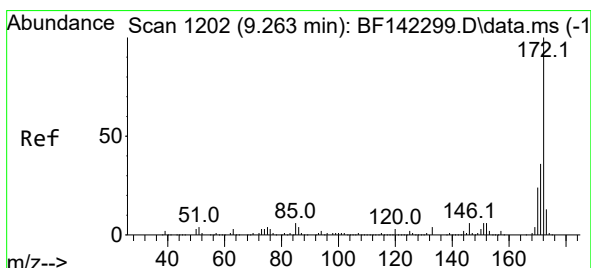
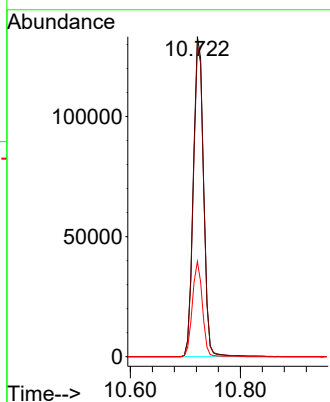
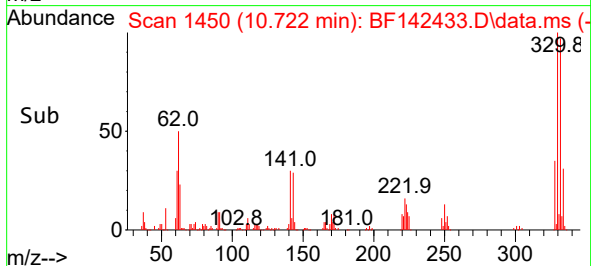
Instrument :
BNA_F
ClientSampleId :
L3-WC-6



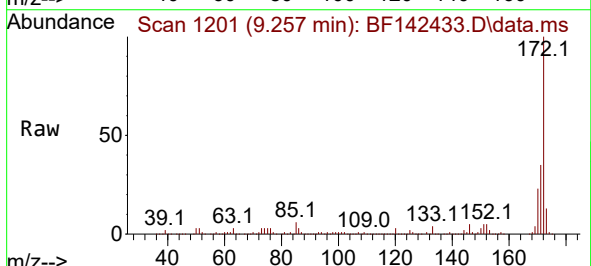
Tgt Ion:330 Resp: 173049
Ion Ratio Lower Upper
330 100
332 97.4 76.8 115.2
141 29.0 24.9 37.3

Manual Integrations
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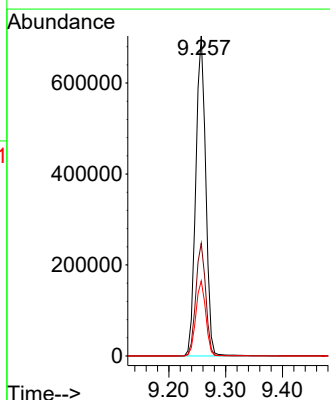
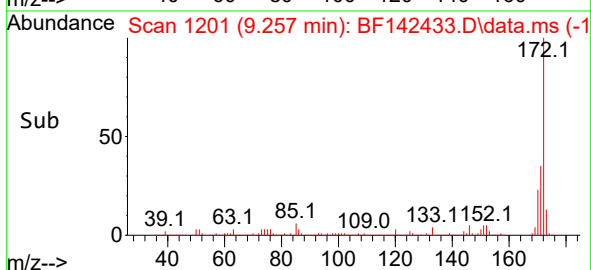
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

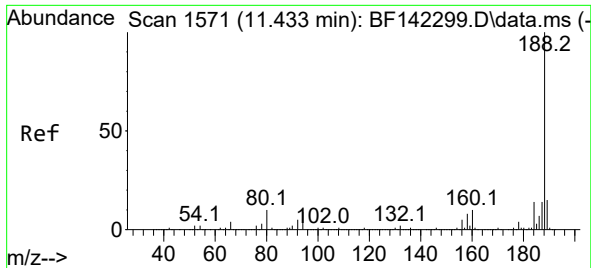


#45
2-Fluorobiphenyl
Concen: 47.502 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13



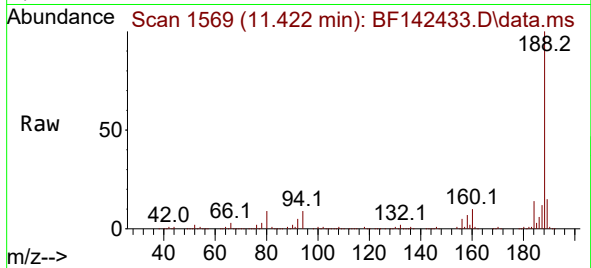
Tgt Ion:172 Resp: 864874
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

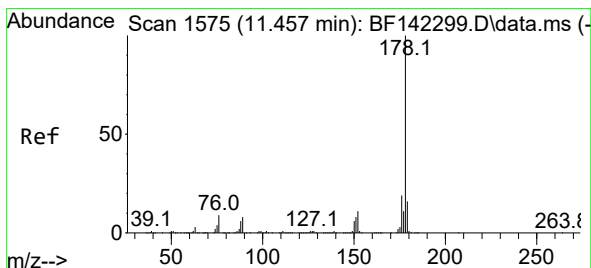
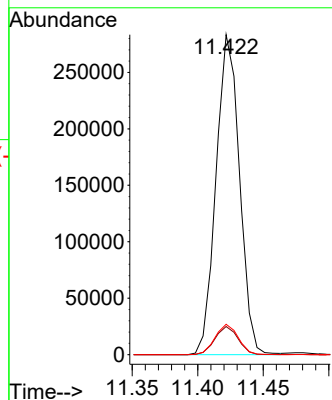
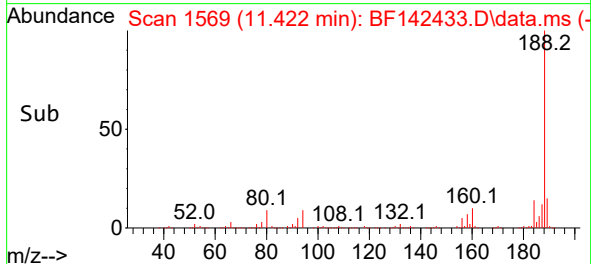
Instrument :
BNA_F
ClientSampleId :
L3-WC-6



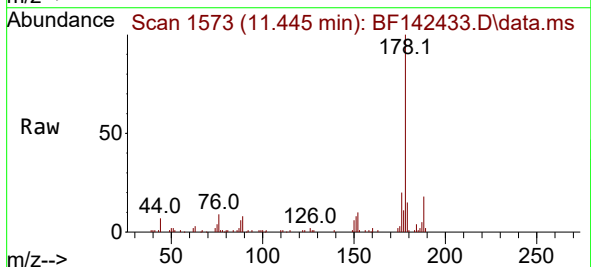
Tgt Ion:188 Resp: 352364
Ion Ratio Lower Upper
188 100
94 8.8 7.5 11.3
80 9.5 7.9 11.9

Manual Integrations
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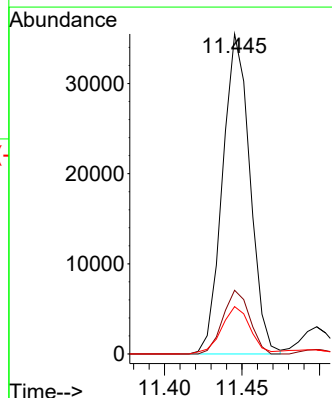
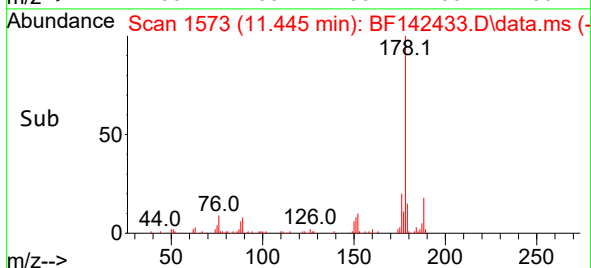
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

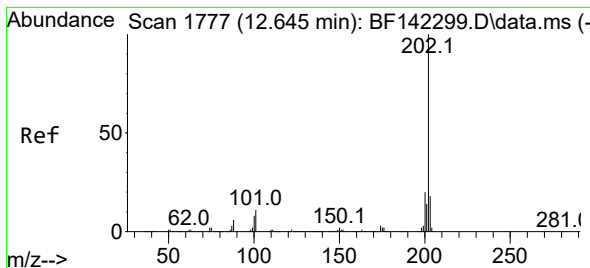


#71
Phenanthrene
Concen: 2.363 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13



Tgt Ion:178 Resp: 43650
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 14.8 12.6 18.8





#75

Fluoranthene

Concen: 4.650 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142433.D

Acq: 16 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

L3-WC-6

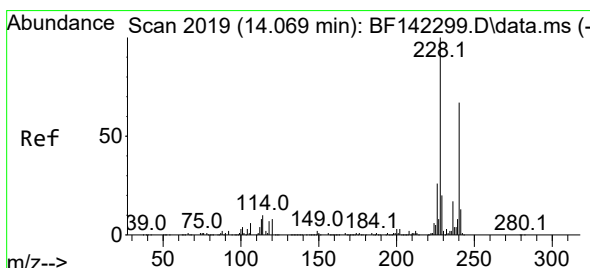
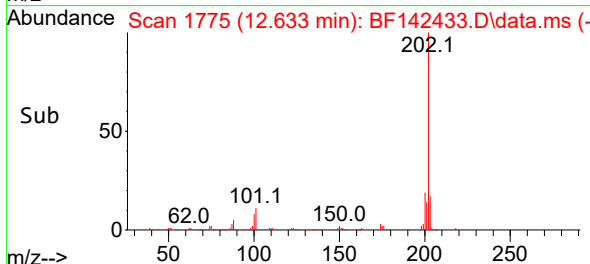
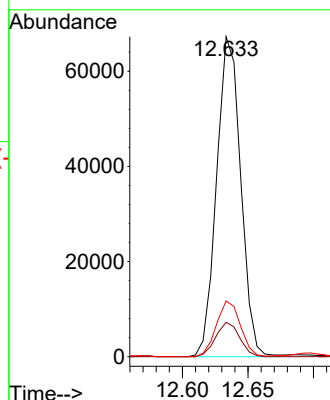
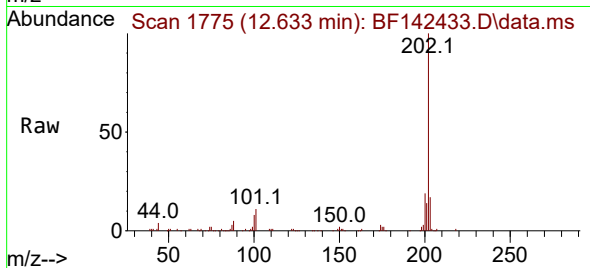
Tgt Ion:	202	Resp:	8584
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.4
203	17.4	0.0	37.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/19/2025



#76

Chrysene-d12

Concen: 20.000 ng

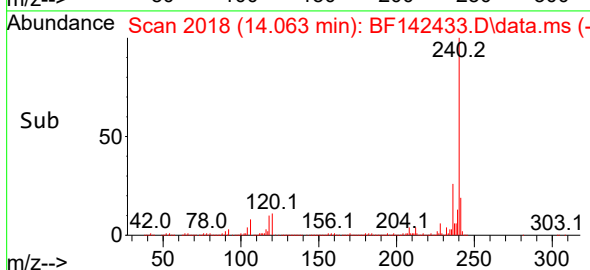
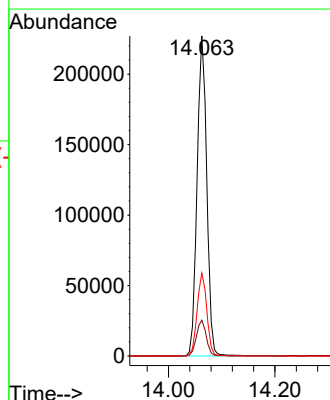
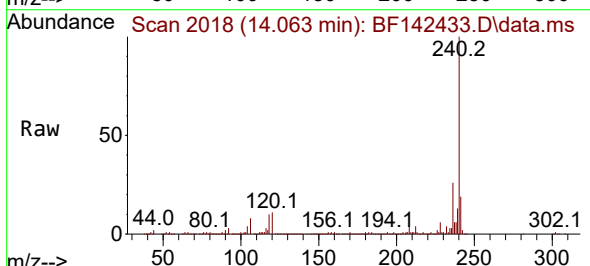
RT: 14.063 min Scan# 2018

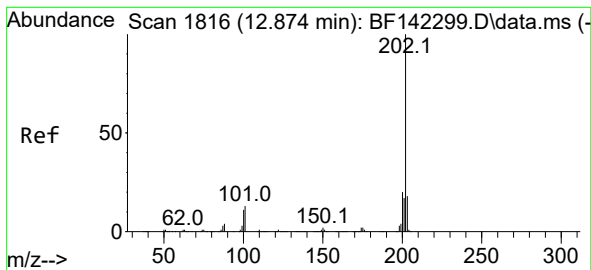
Delta R.T. -0.006 min

Lab File: BF142433.D

Acq: 16 May 2025 18:13

Tgt Ion:	240	Resp:	287272
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.7	14.5
236	25.9	20.0	30.0





#78

Pyrene

Concen: 2.958 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142433.D

Acq: 16 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

L3-WC-6

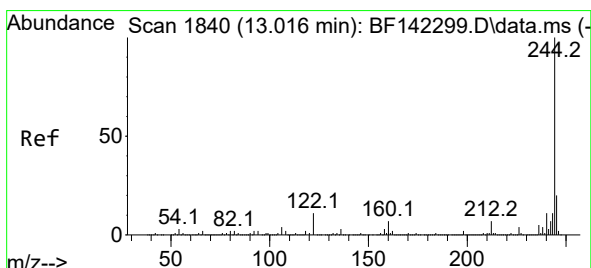
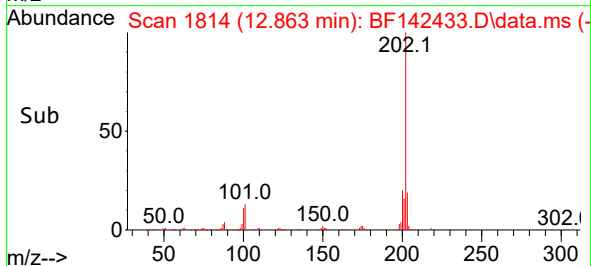
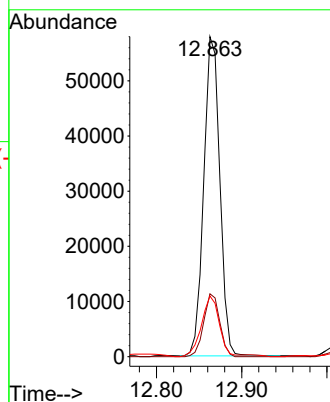
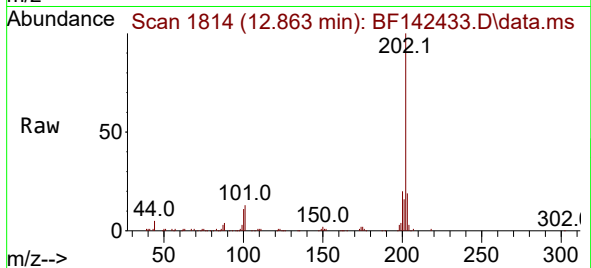
Tgt Ion:202 Resp: 75640
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.2 24.4
 203 18.9 14.3 21.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/19/2025



#79

Terphenyl-d14

Concen: 31.095 ng

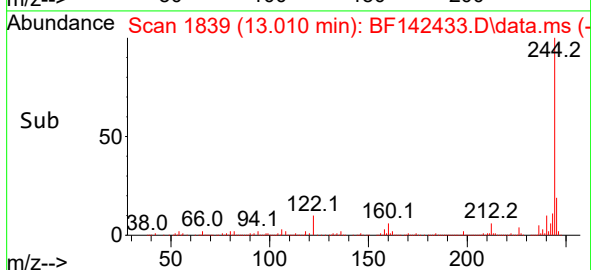
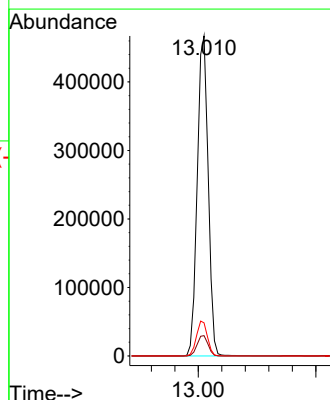
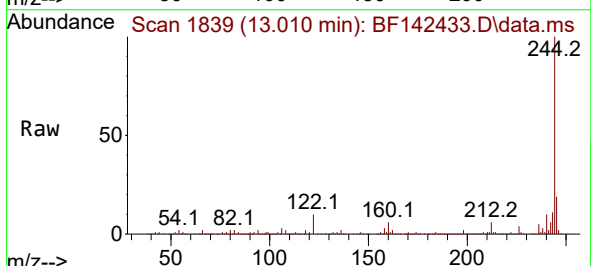
RT: 13.010 min Scan# 1839

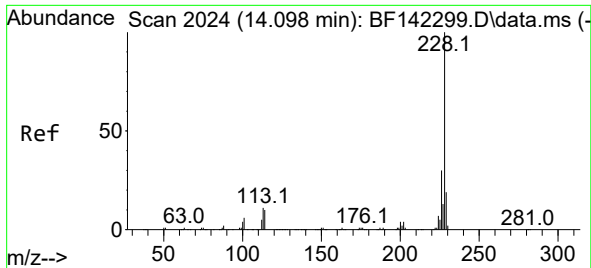
Delta R.T. -0.006 min

Lab File: BF142433.D

Acq: 16 May 2025 18:13

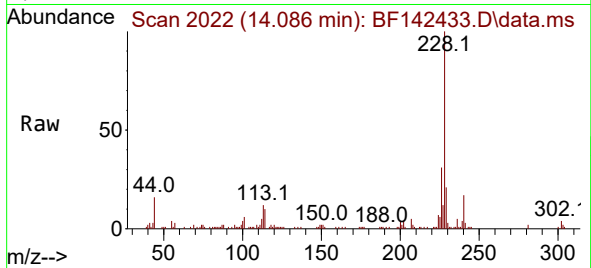
Tgt Ion:244 Resp: 603516
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 10.3 9.0 13.4





#83
Chrysene
Concen: 2.168 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

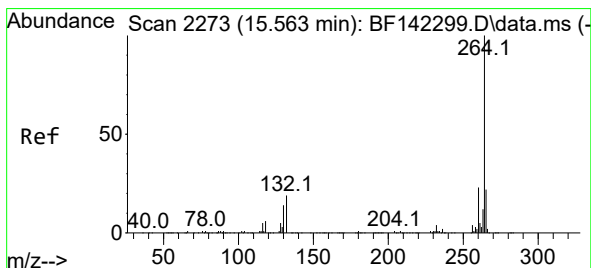
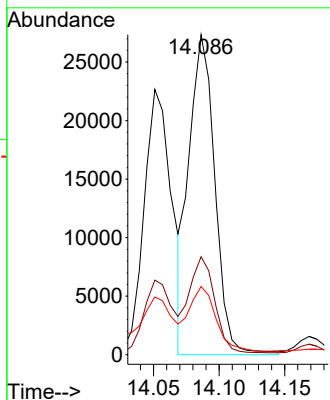
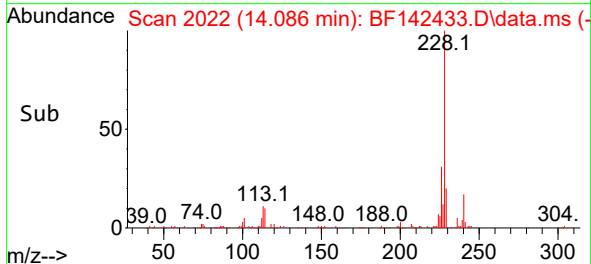
Instrument :
BNA_F
ClientSampleId :
L3-WC-6



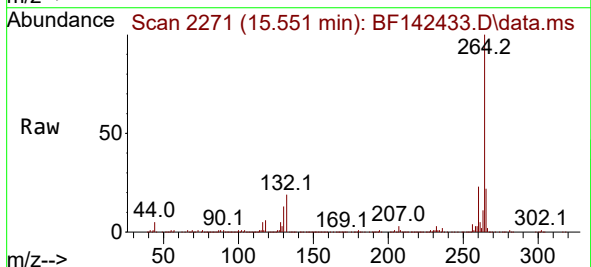
Tgt Ion:228 Resp: 3755
Ion Ratio Lower Upper
228 100
226 30.6 23.9 35.9
229 21.3 15.4 23.2

Manual Integrations
APPROVED

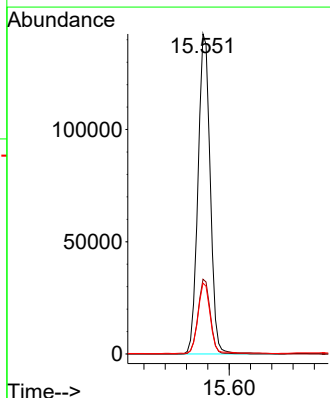
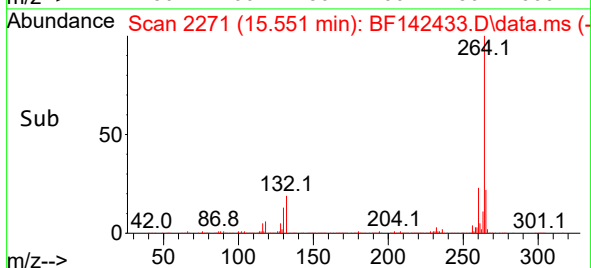
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

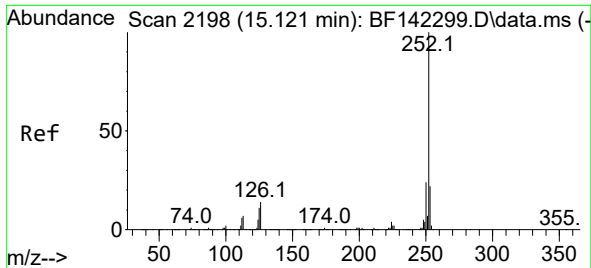


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13



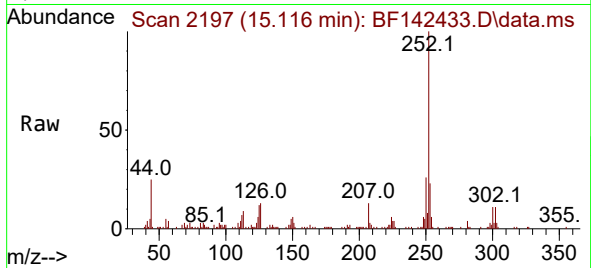
Tgt Ion:264 Resp: 226977
Ion Ratio Lower Upper
264 100
260 23.3 18.6 27.8
265 22.1 17.5 26.3





#88
Benzo(b)fluoranthene
Concen: 3.116 ng m
RT: 15.116 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142433.D
Acq: 16 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
L3-WC-6



Tgt Ion:252 Resp: 42832
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 12.1 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

