

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144125.D
 Acq On : 29 Oct 2025 13:33
 Operator : RC/JU
 Sample : Q3460-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025

Quant Time: Oct 29 13:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62081	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	240921	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	136312	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	231566	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173028	20.000	ng	0.00
86) Perylene-d12	15.533	264	218432	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	291058	74.175	ng	0.00
7) Phenol-d6	6.504	99	334221	77.124	ng	0.00
23) Nitrobenzene-d5	7.434	82	219604	49.939	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	131365	75.656	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	473924	48.926	ng	0.00
79) Terphenyl-d14	12.992	244	461771	46.656	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	32512	2.826	ng	99
75) Fluoranthene	12.622	202	87395	6.877	ng	99
78) Pyrene	12.851	202	79122	6.361	ng	97
81) Benzo(a)anthracene	14.039	228	56937	4.869	ng	98
83) Chrysene	14.074	228	51317	4.677	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	38192	2.547	ng	94
88) Benzo(b)fluoranthene	15.098	252	87475m	7.084	ng	
89) Benzo(k)fluoranthene	15.116	252	27840m	2.444	ng	
90) Benzo(a)pyrene	15.468	252	59568	5.377	ng	96
92) Benzo(g,h,i)perylene	17.486	276	38535	3.229	ng	# 97

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

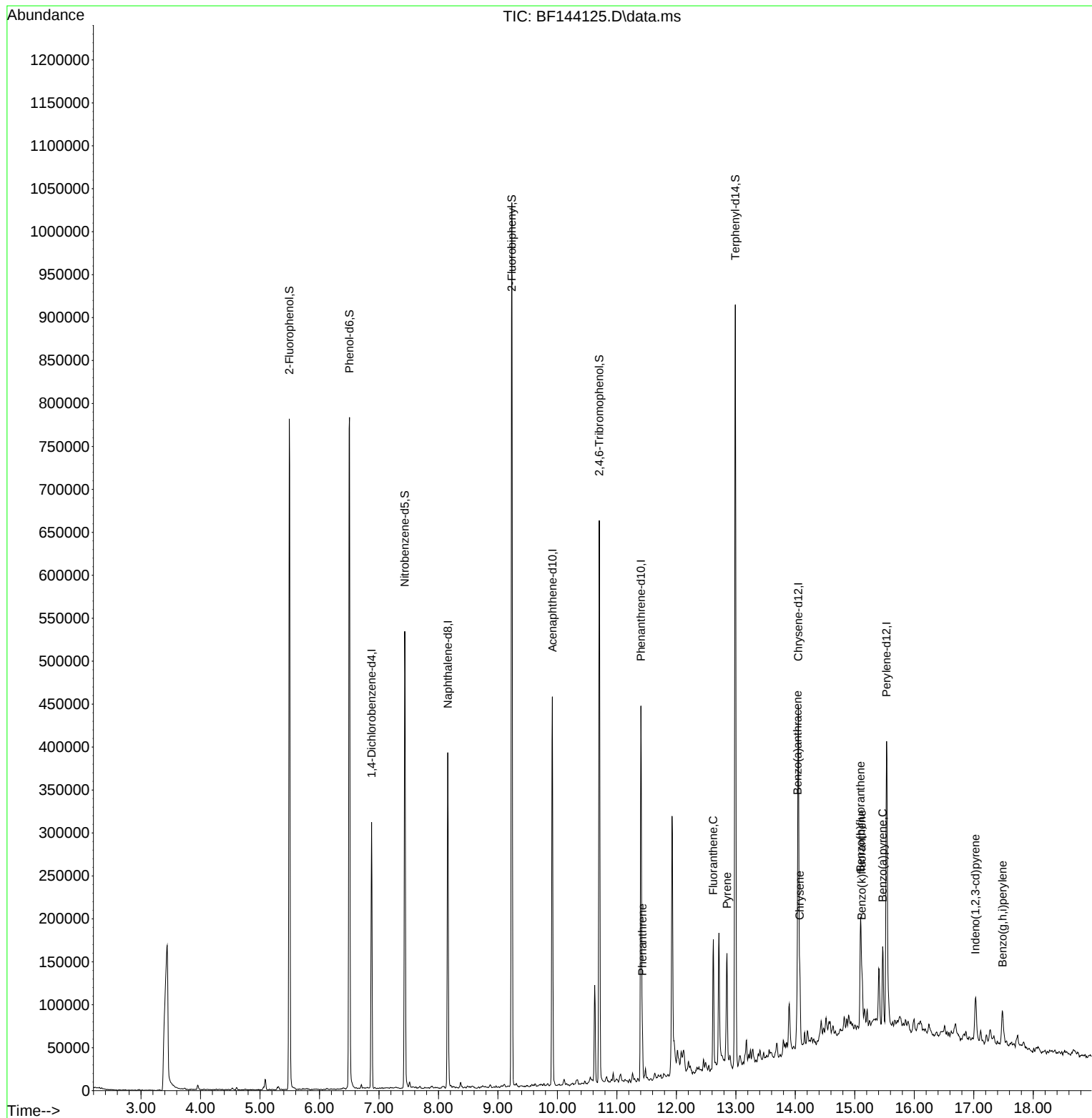
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144125.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

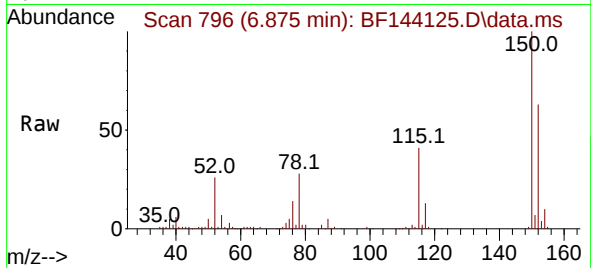
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

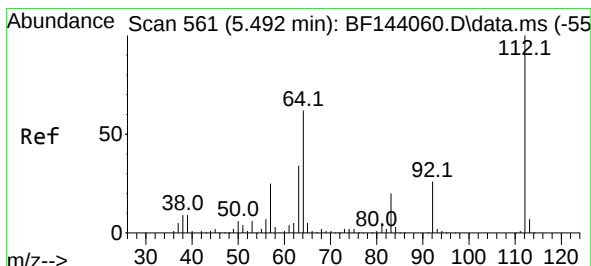
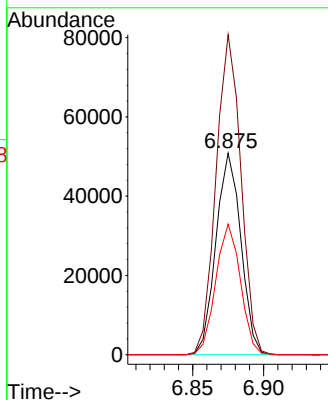
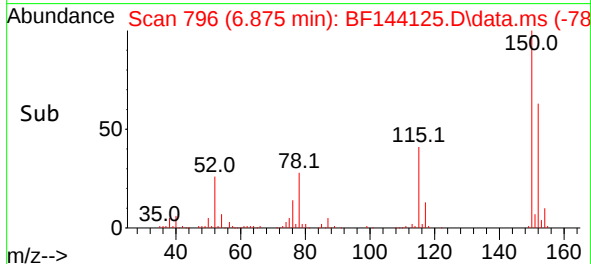
Instrument :
BNA_F
ClientSampleId :
WC-5



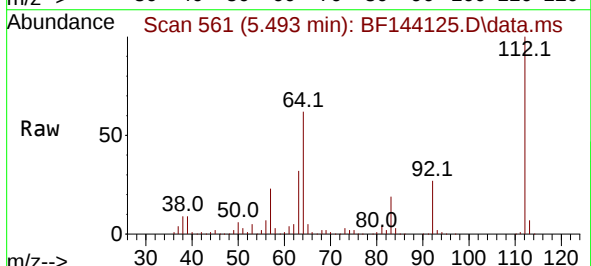
Tgt Ion:152 Resp: 6208
Ion Ratio Lower Upper
152 100
150 158.9 124.4 186.6
115 64.8 49.4 74.0

Manual Integrations
APPROVED

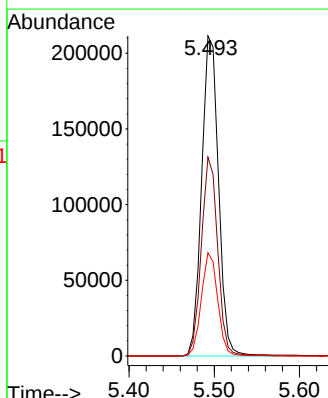
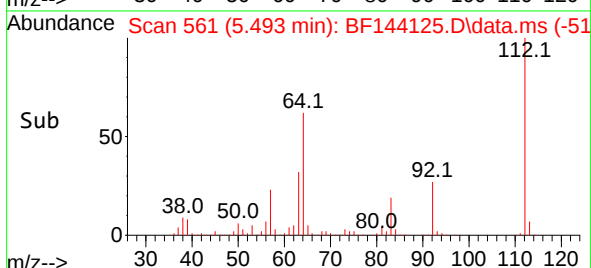
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#5
2-Fluorophenol
Concen: 74.175 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33



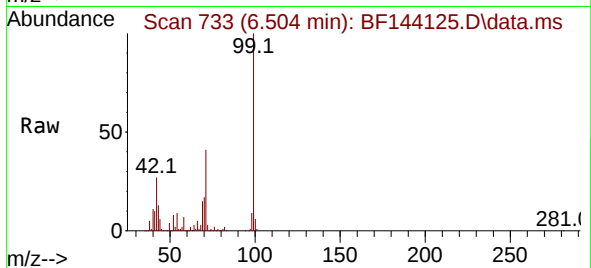
Tgt Ion:112 Resp: 291058
Ion Ratio Lower Upper
112 100
64 62.1 49.8 74.8
63 32.3 27.4 41.2





#7
Phenol-d6
Concen: 77.124 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

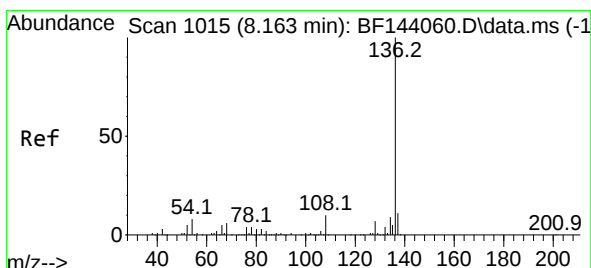
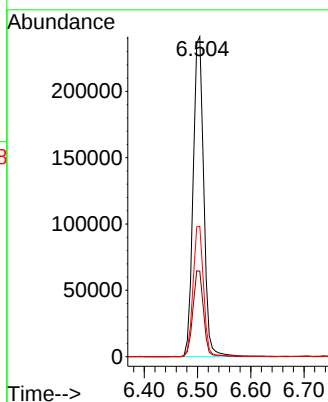
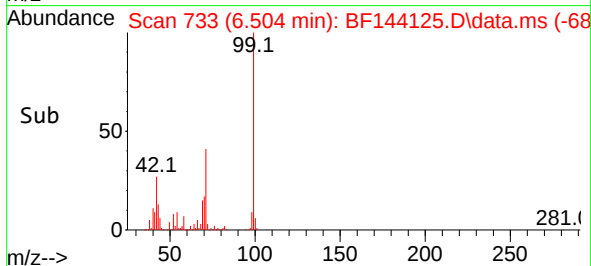
Instrument :
BNA_F
ClientSampleId :
WC-5



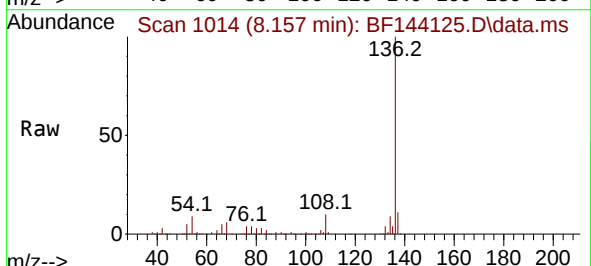
Tgt Ion: 99 Resp: 33422
Ion Ratio Lower Upper
99 100
42 26.7 23.9 35.9
71 40.8 34.4 51.6

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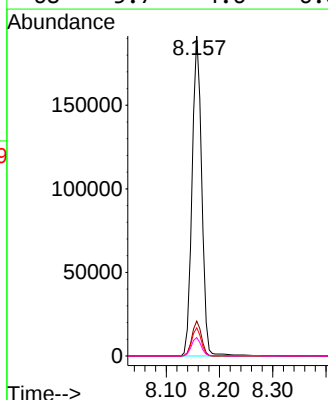
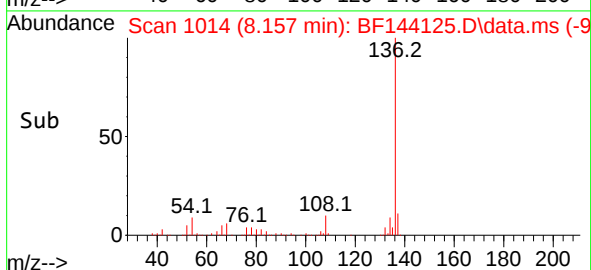
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

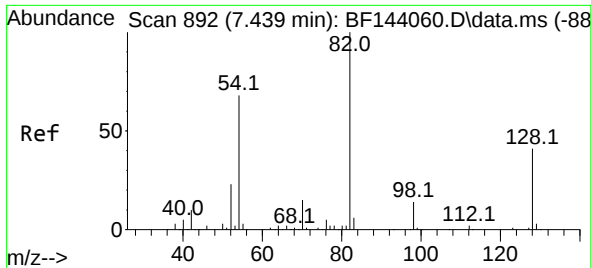


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33



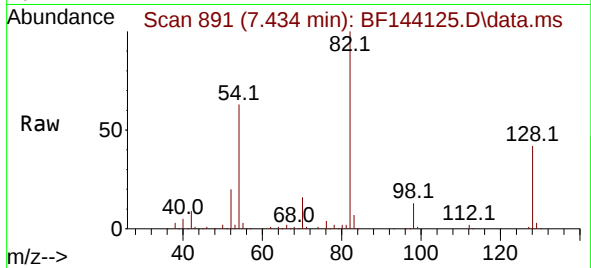
Tgt Ion:136 Resp: 240921
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 6.6 9.8
68 5.7 4.6 6.8





#23
Nitrobenzene-d5
Concen: 49.939 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

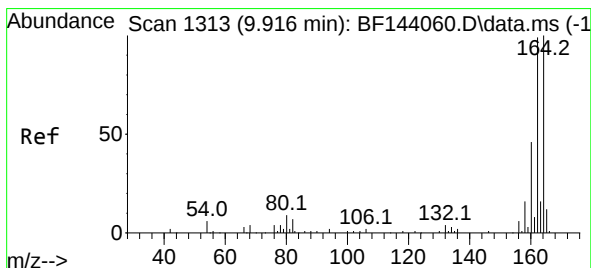
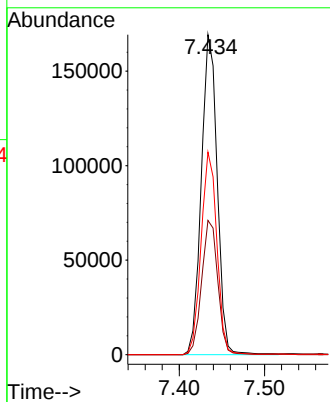
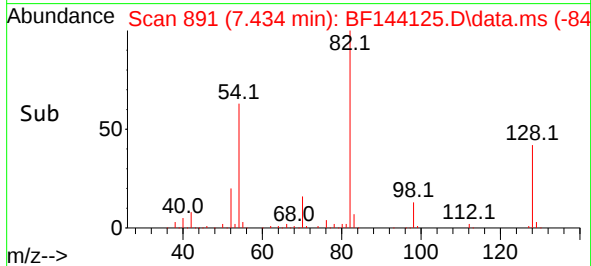
Instrument :
BNA_F
ClientSampleId :
WC-5



Tgt Ion: 82 Resp: 219604
Ion Ratio Lower Upper
82 100
128 42.0 32.4 48.6
54 63.3 54.0 81.0

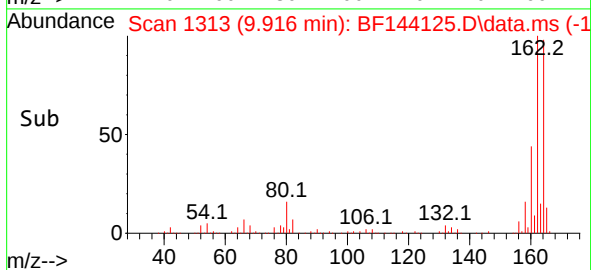
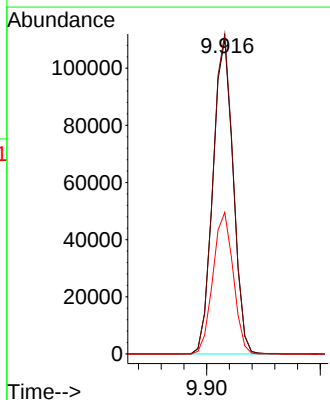
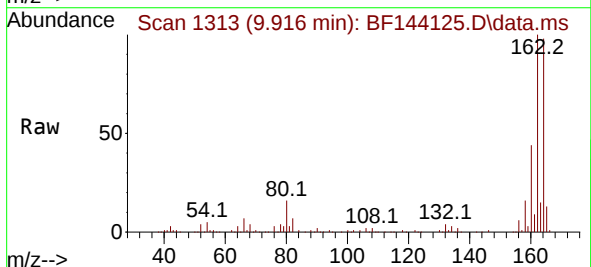
Manual Integrations
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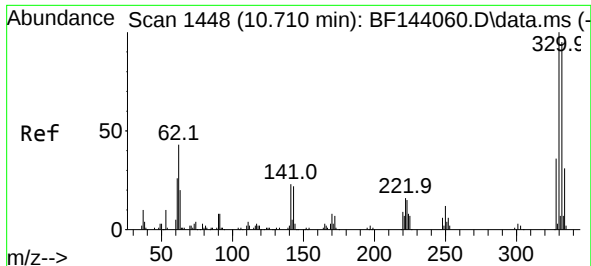
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

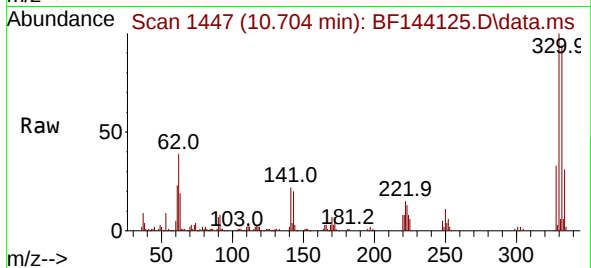
Tgt Ion:164 Resp: 136312
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.2
160 45.0 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 75.656 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

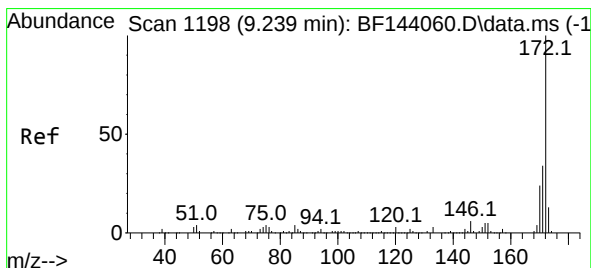
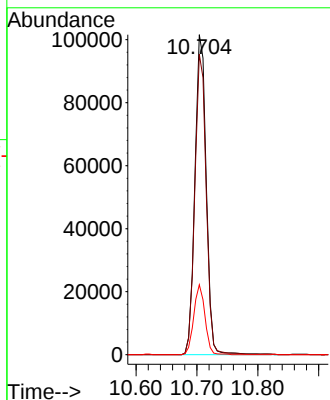
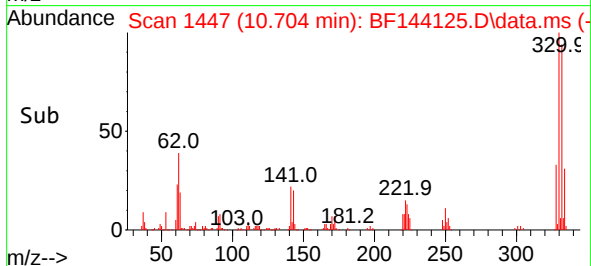
Instrument :
BNA_F
ClientSampleId :
WC-5



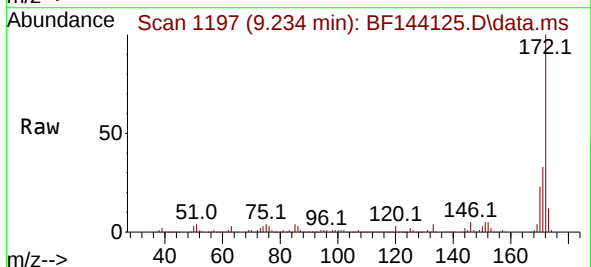
Tgt Ion:330 Resp: 13136
Ion Ratio Lower Upper
330 100
332 94.1 77.0 115.6
141 21.6 19.4 29.0

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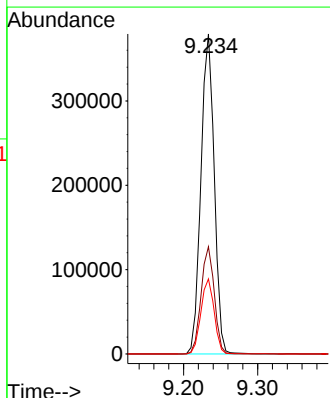
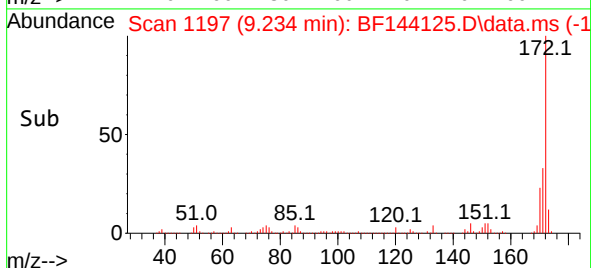
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

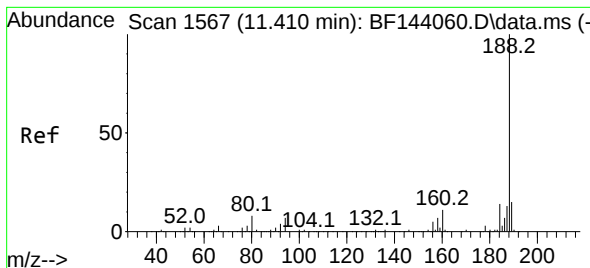


#45
2-Fluorobiphenyl
Concen: 48.926 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33



Tgt Ion:172 Resp: 473924
Ion Ratio Lower Upper
172 100
171 33.5 27.5 41.3
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

Instrument :

BNA_F

ClientSampleId :

WC-5

Tgt Ion:188 Resp: 23156

Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.0

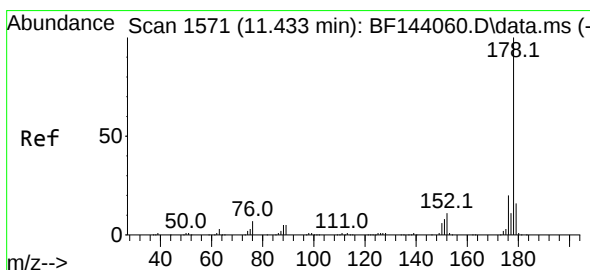
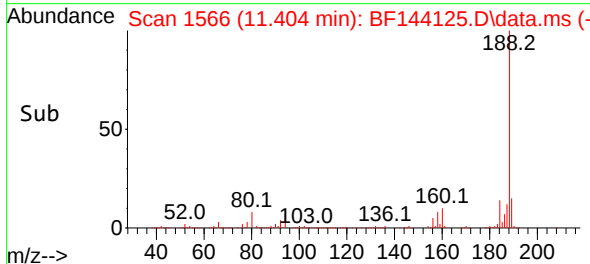
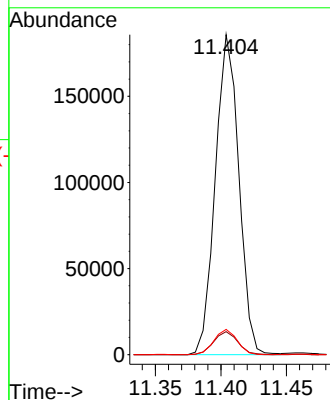
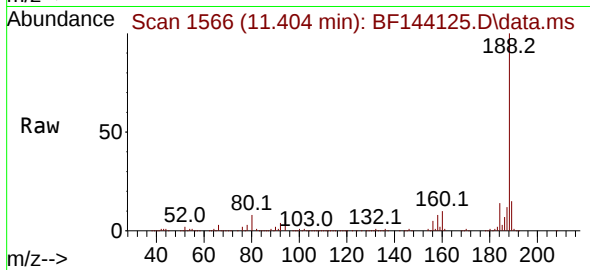
80 7.9 6.0 9.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/30/2025



#71

Phenanthrene

Concen: 2.826 ng

RT: 11.428 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

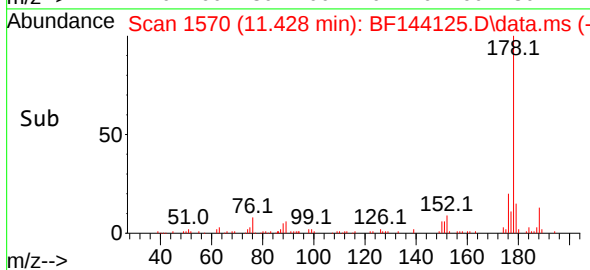
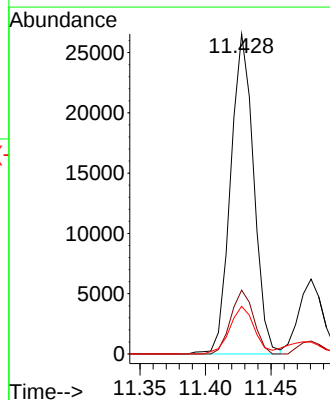
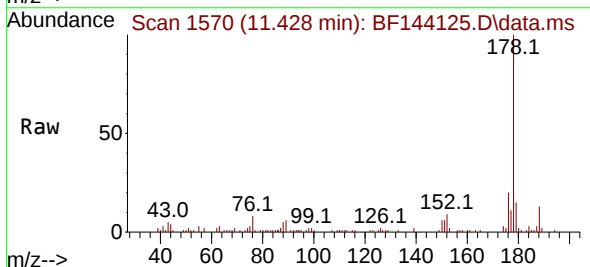
Tgt Ion:178 Resp: 32512

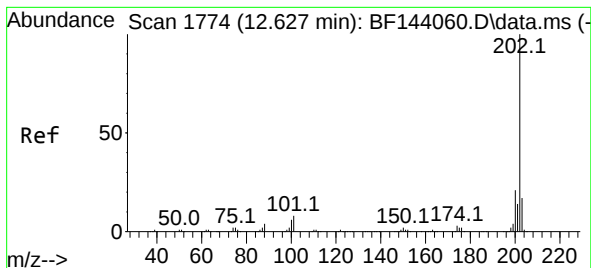
Ion Ratio Lower Upper

178 100

176 20.0 16.3 24.5

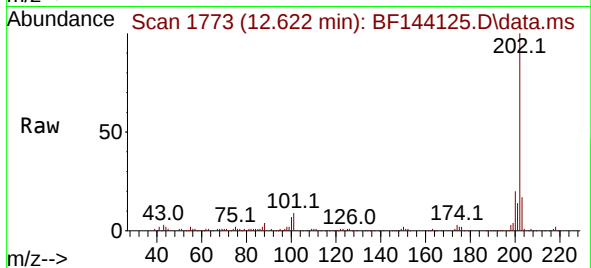
179 14.9 12.6 18.8





#75
Fluoranthene
Concen: 6.877 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

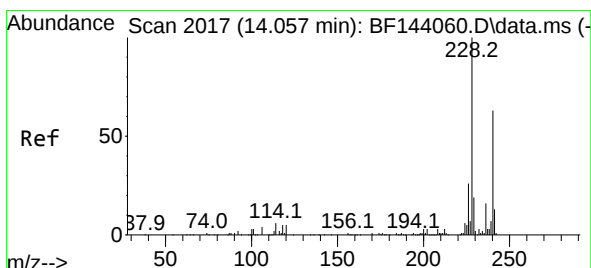
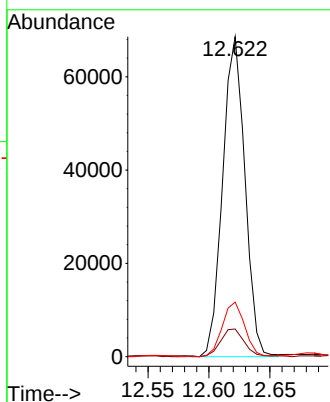
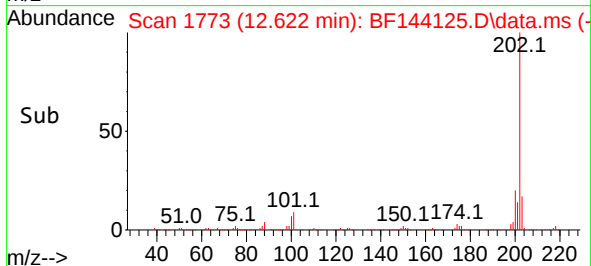
Instrument :
BNA_F
ClientSampleId :
WC-5



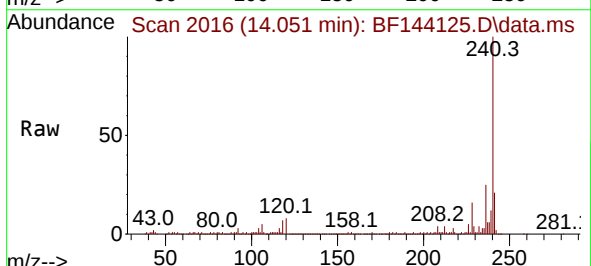
Tgt Ion:202 Resp: 8739
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 17.1 0.0 37.3

Manual Integrations
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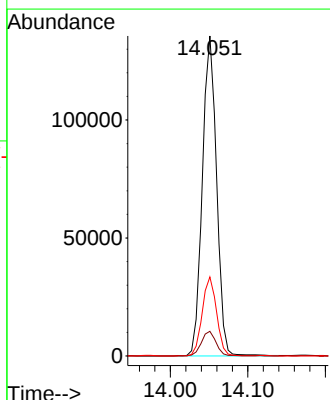
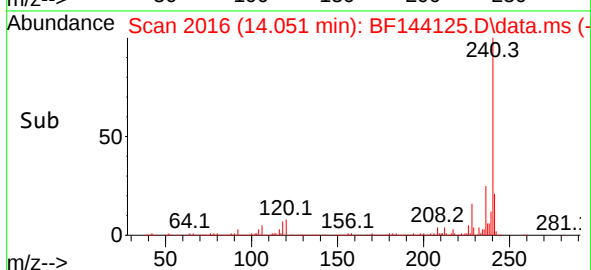
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

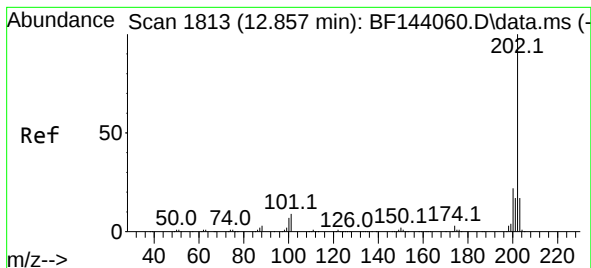


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33



Tgt Ion:240 Resp: 173028
Ion Ratio Lower Upper
240 100
120 7.7 6.5 9.7
236 24.7 20.1 30.1





#78

Pyrene

Concen: 6.361 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

Instrument :

BNA_F

ClientSampleId :

WC-5

Tgt Ion:202 Resp: 7912

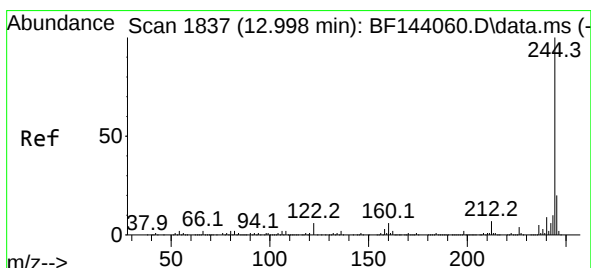
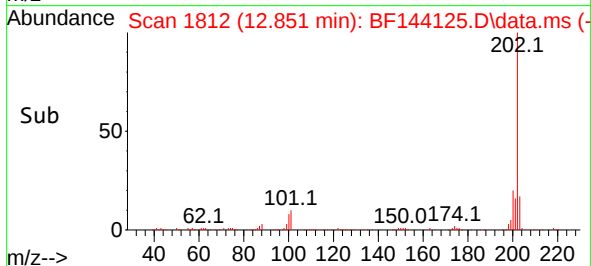
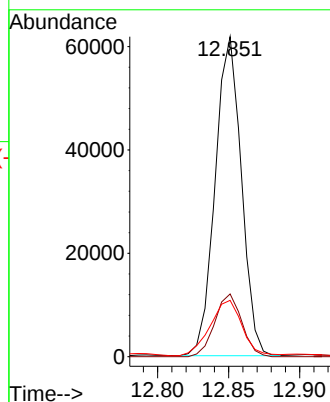
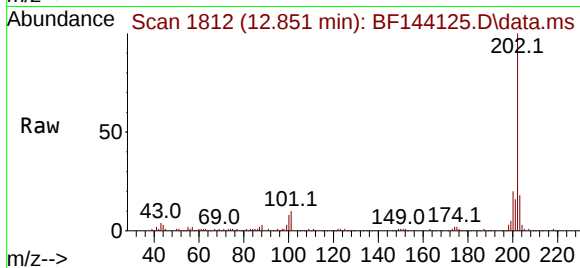
Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.2	25.8
203	17.6	13.5	20.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/30/2025



#79

Terphenyl-d14

Concen: 46.656 ng

RT: 12.992 min Scan# 1836

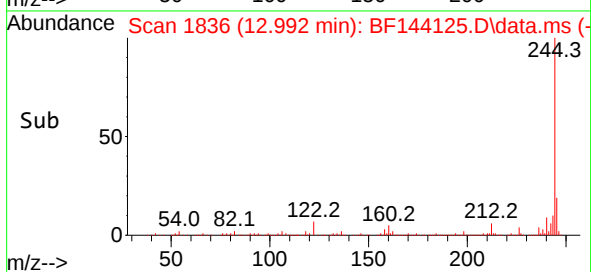
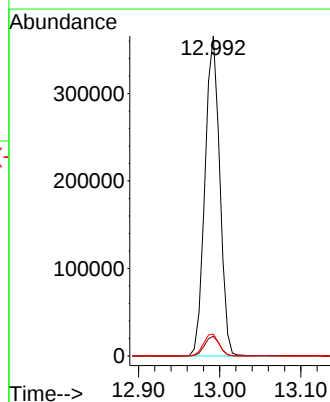
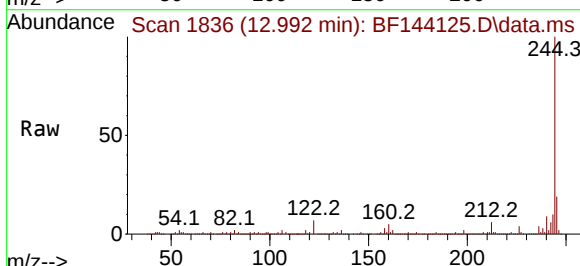
Delta R.T. -0.006 min

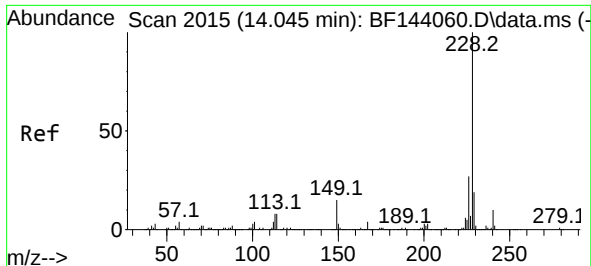
Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

Tgt Ion:244 Resp: 461771

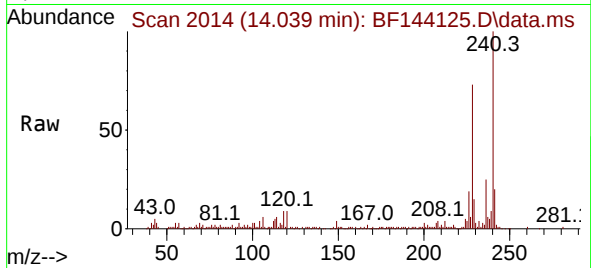
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.8	8.6
122	6.9	4.9	7.3





#81
Benzo(a)anthracene
Concen: 4.869 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

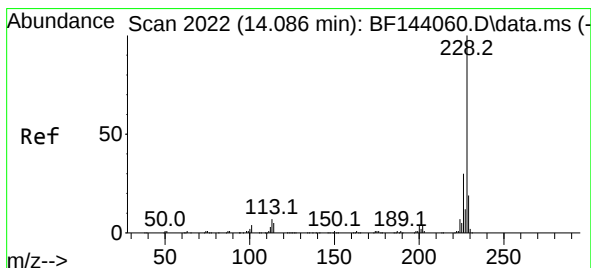
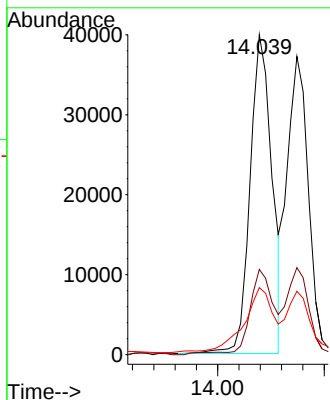
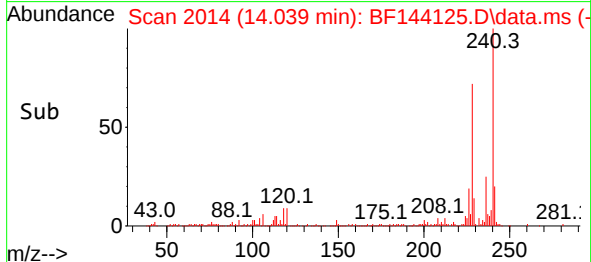
Instrument :
BNA_F
ClientSampleId :
WC-5



Tgt Ion:228 Resp: 5693
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 21.0 15.3 22.9

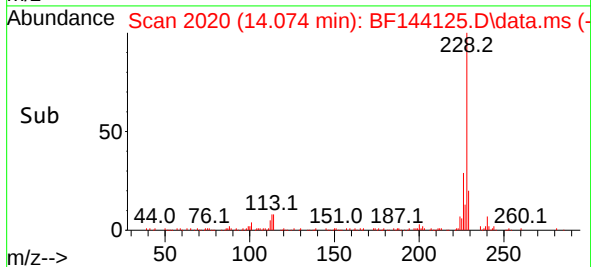
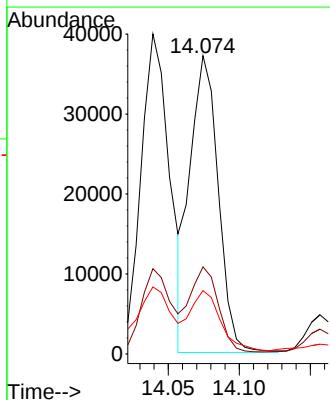
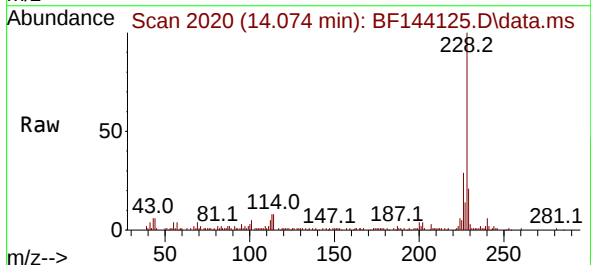
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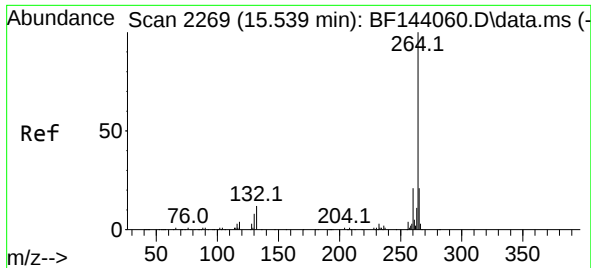
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#83
Chrysene
Concen: 4.677 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:228 Resp: 51317
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.6
229 21.3 15.6 23.4





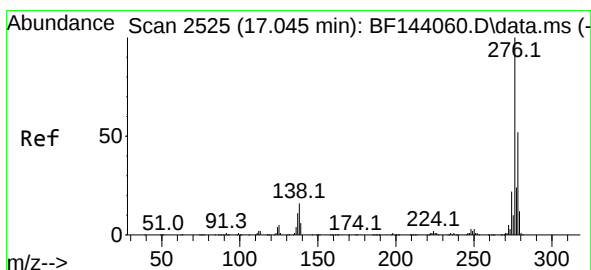
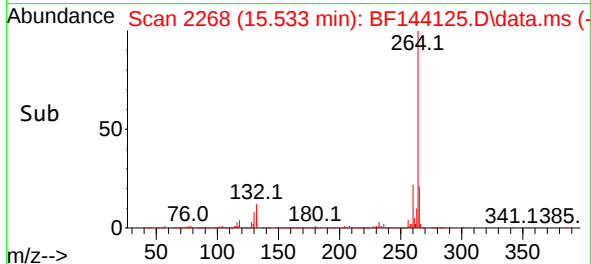
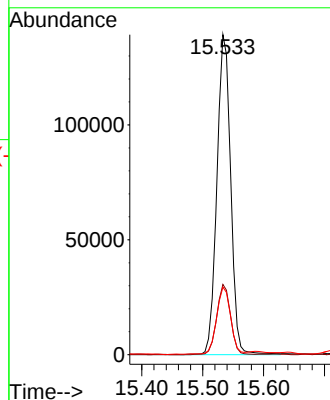
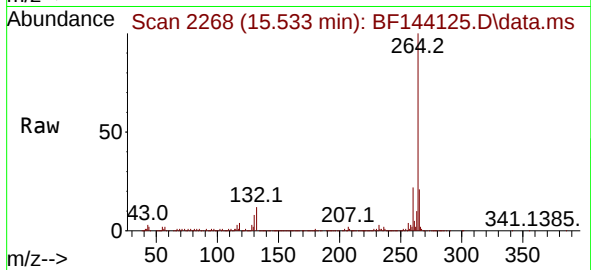
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:264 Resp: 21843
Ion Ratio Lower Upper
264 100
260 22.0 17.0 25.4
265 21.1 16.6 24.8

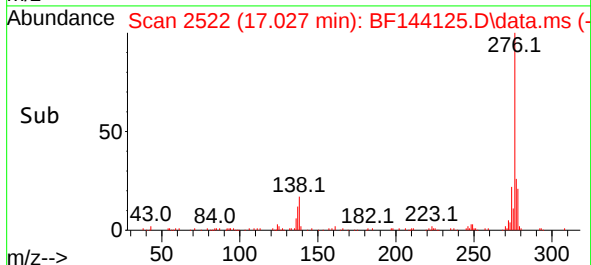
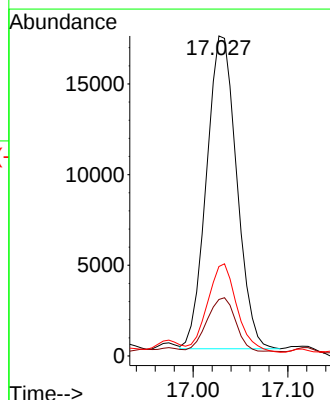
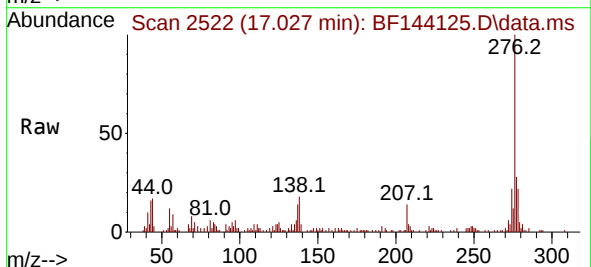
Manual Integrations
APPROVED

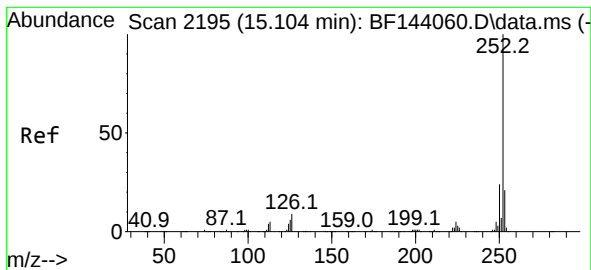
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.547 ng
RT: 17.027 min Scan# 2522
Delta R.T. -0.018 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:276 Resp: 38192
Ion Ratio Lower Upper
276 100
138 17.4 13.0 19.6
277 28.1 19.4 29.0





#88

Benzo(b)fluoranthene

Concen: 7.084 ng m

RT: 15.098 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

Instrument :

BNA_F

ClientSampleId :

WC-5

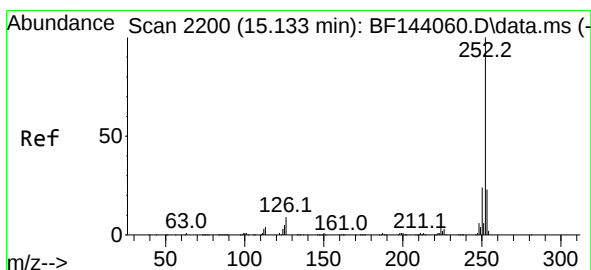
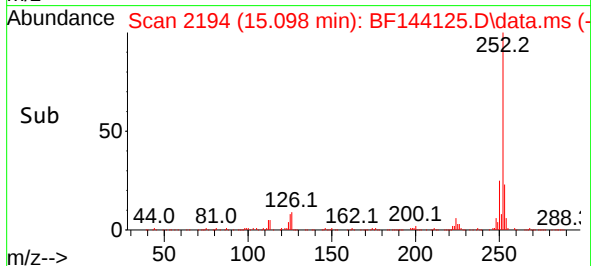
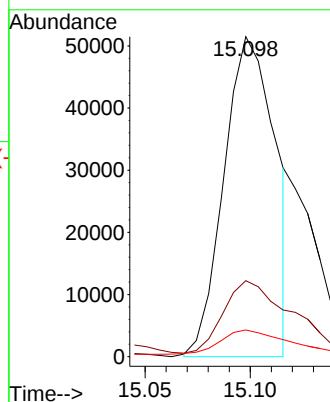
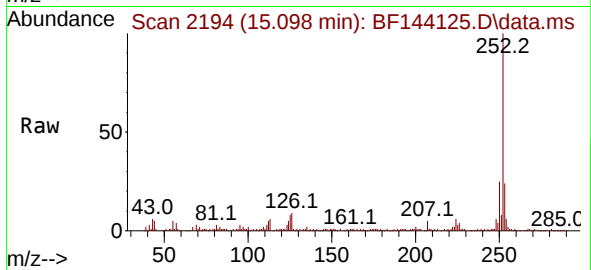
Tgt Ion:252 Resp: 87475
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.2 25.8
 125 8.3 5.0 7.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#89

Benzo(k)fluoranthene

Concen: 2.444 ng m

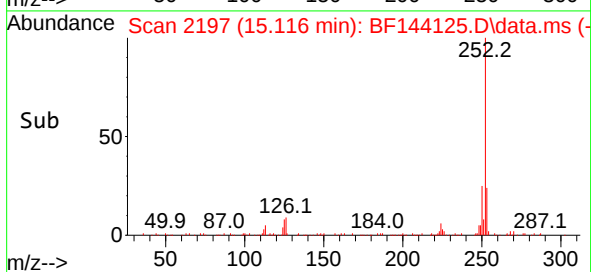
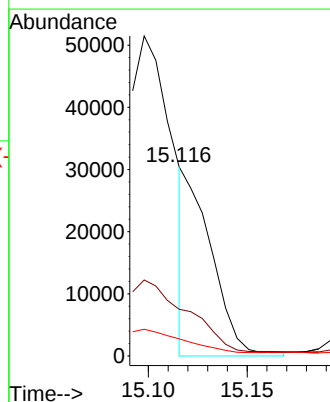
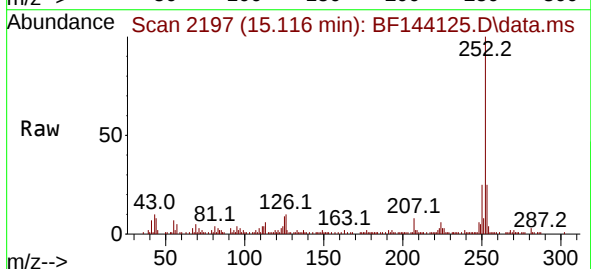
RT: 15.116 min Scan# 2197

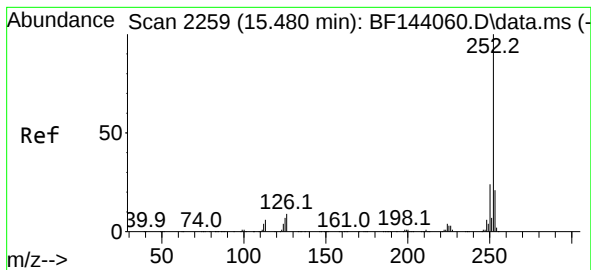
Delta R.T. -0.018 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

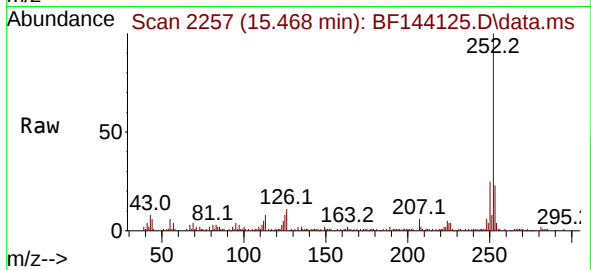
Tgt Ion:252 Resp: 27840
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.4 26.2
 125 9.0 4.9 7.3





#90
Benzo(a)pyrene
Concen: 5.377 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

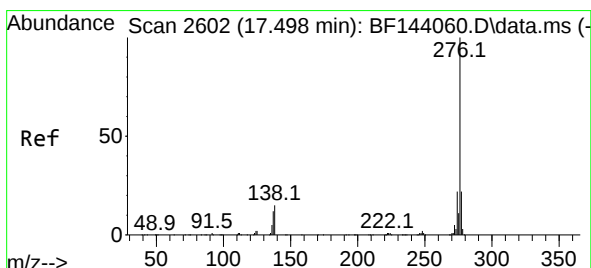
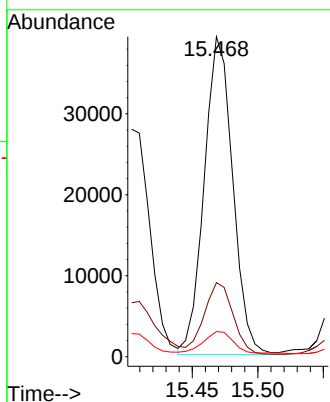
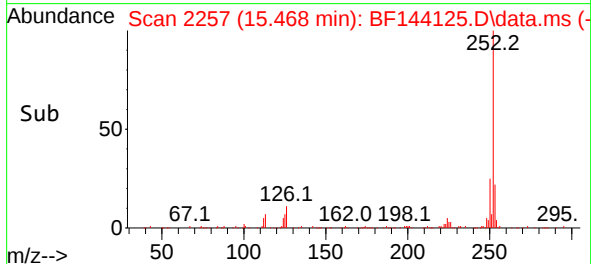
Instrument :
BNA_F
ClientSampleId :
WC-5



Tgt Ion:252 Resp: 5956
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 7.9 5.4 8.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#92
Benzo(g,h,i)perylene
Concen: 3.229 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.012 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:276 Resp: 38535
Ion Ratio Lower Upper
276 100
277 22.2 17.9 26.9
138 18.2 12.0 18.0#

