

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142875.D
 Acq On : 26 Jun 2025 18:35
 Operator : RC/JU
 Sample : Q2414-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025

Quant Time: Jun 27 01:41:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85538	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	329492	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	170341	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	263523	20.000	ng	0.00
76) Chrysene-d12	14.051	240	146506	20.000	ng	0.00
86) Perylene-d12	15.545	264	178829	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	355054	69.108	ng	0.00
7) Phenol-d6	6.504	99	425944	70.271	ng	0.00
23) Nitrobenzene-d5	7.434	82	262155	43.641	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	84646	48.288	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	576507	44.460	ng	-0.01
79) Terphenyl-d14	12.992	244	396587	37.402	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	100132	7.014	ng	99
75) Fluoranthene	12.622	202	180172	13.299	ng	99
78) Pyrene	12.851	202	146569	10.673	ng	99
81) Benzo(a)anthracene	14.039	228	100761m	10.195	ng	
83) Chrysene	14.074	228	74927	8.496	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	29265	2.148	ng	96
88) Benzo(b)fluoranthene	15.104	252	108924m	10.526	ng	
89) Benzo(k)fluoranthene	15.121	252	36672m	3.788	ng	
90) Benzo(a)pyrene	15.474	252	78310	7.834	ng	98
92) Benzo(g,h,i)perylene	17.498	276	23396	2.120	ng	99

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

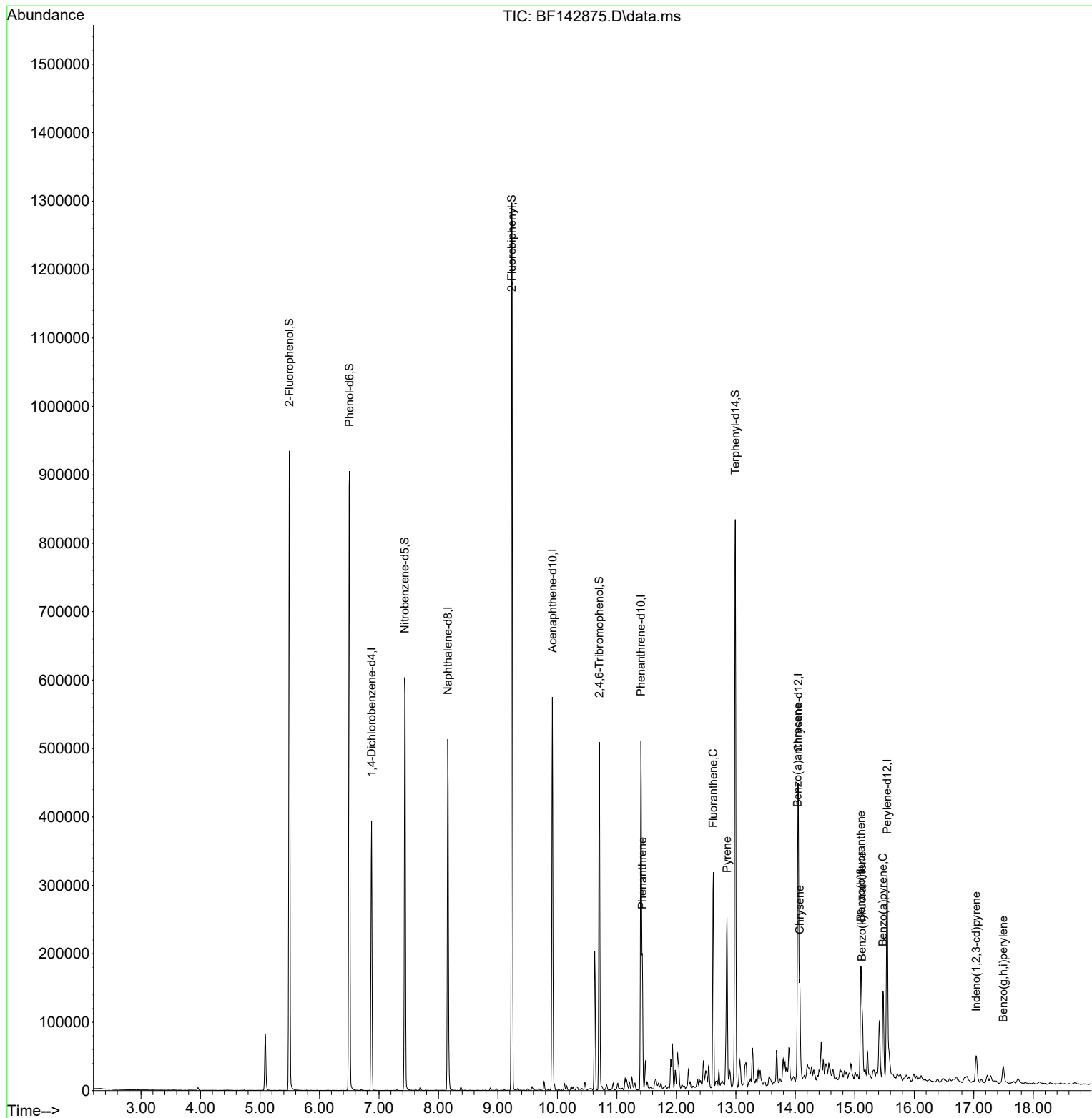
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142875.D
Acq On : 26 Jun 2025 18:35
Operator : RC/JU
Sample : Q2414-01
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ALS Vial : 20 Sample Multiplier: 1

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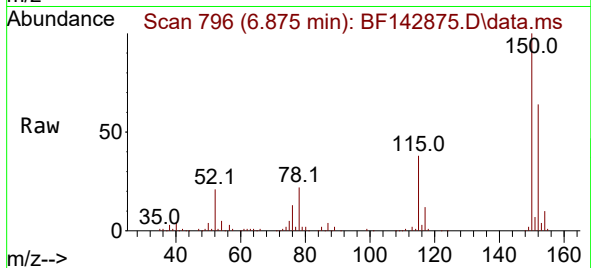
Quant Time: Jun 27 01:41:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

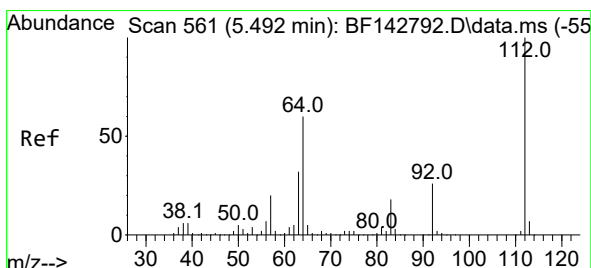
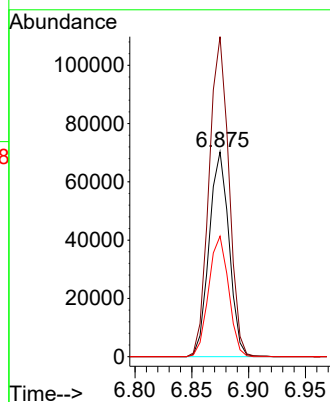
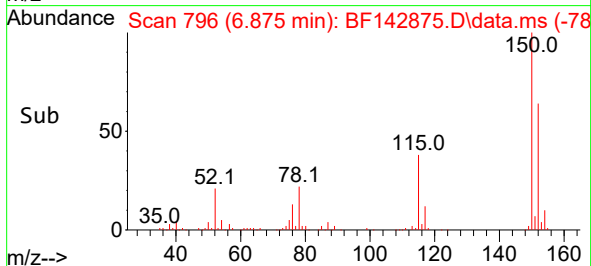
Instrument :
BNA_F
ClientSampleId :
WC-1



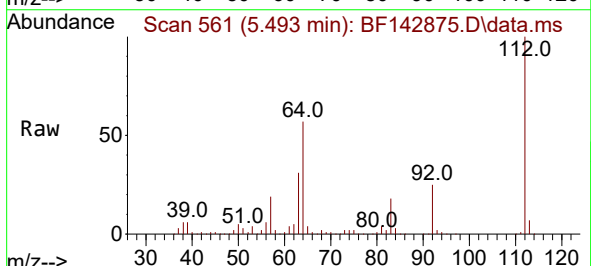
Tgt Ion:152 Resp: 85538
Ion Ratio Lower Upper
152 100
150 156.3 127.2 190.8
115 58.8 46.6 69.8

Manual Integrations
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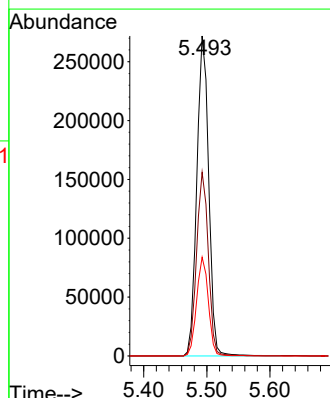
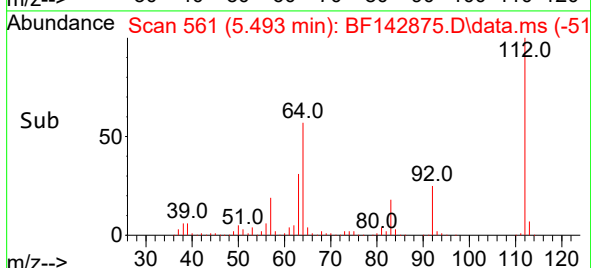
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

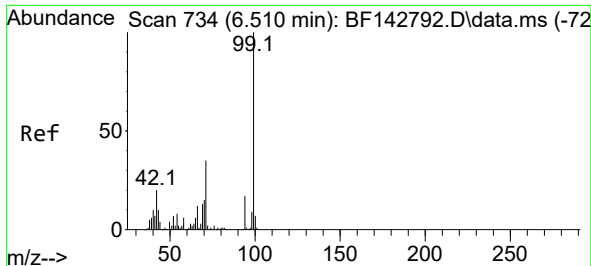


#5
2-Fluorophenol
Concen: 69.108 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35



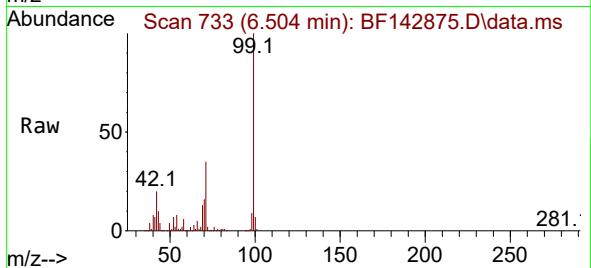
Tgt Ion:112 Resp: 355054
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.9 25.7 38.5





#7
Phenol-d6
Concen: 70.271 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

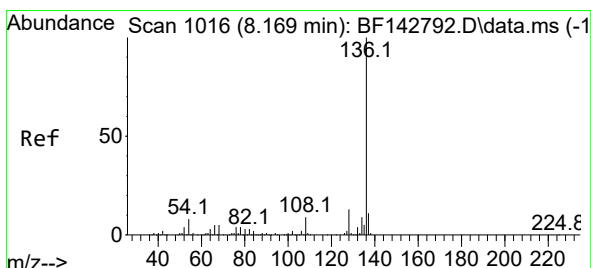
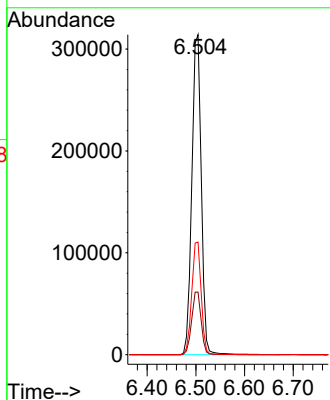
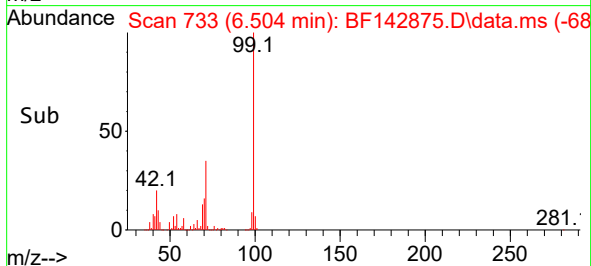
Instrument :
BNA_F
ClientSampleId :
WC-1



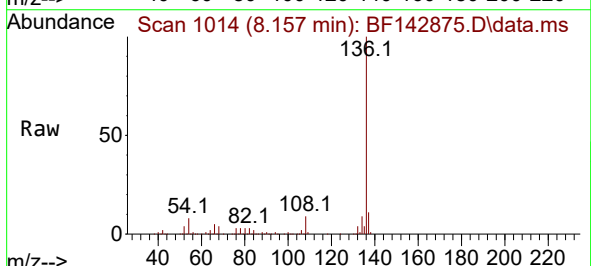
Tgt Ion: 99 Resp: 425944
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 35.2 27.8 41.8

Manual Integrations
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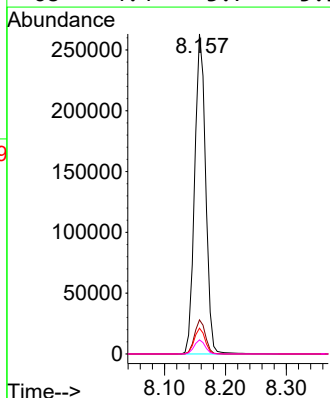
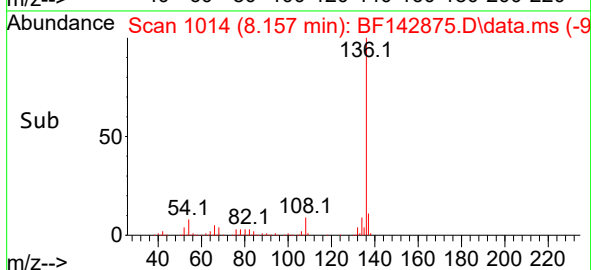
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35



Tgt Ion:136 Resp: 329492
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.1 6.3 9.5
68 4.4 3.7 5.5





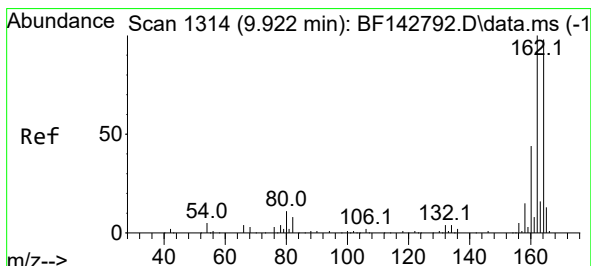
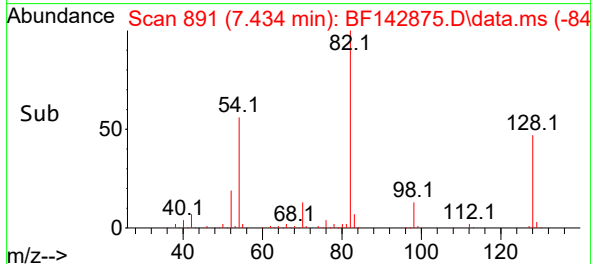
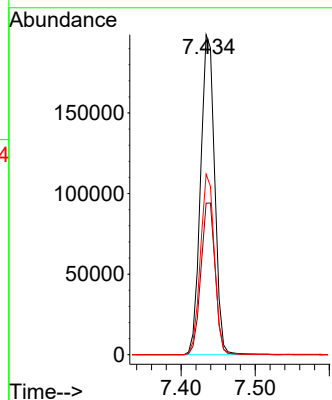
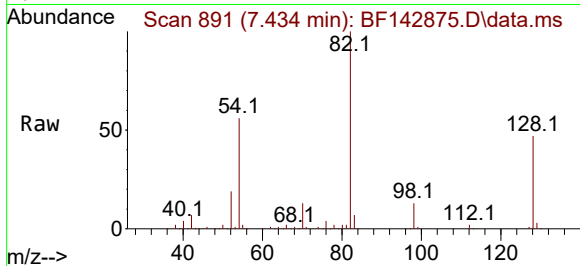
#23
Nitrobenzene-d5
Concen: 43.641 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 26215
Ion Ratio Lower Upper
82 100
128 47.3 37.7 56.5
54 56.4 45.7 68.5

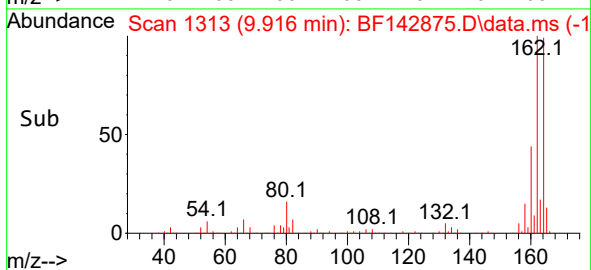
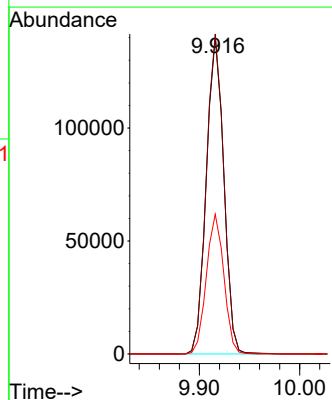
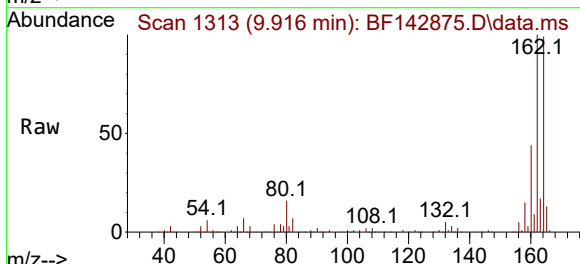
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

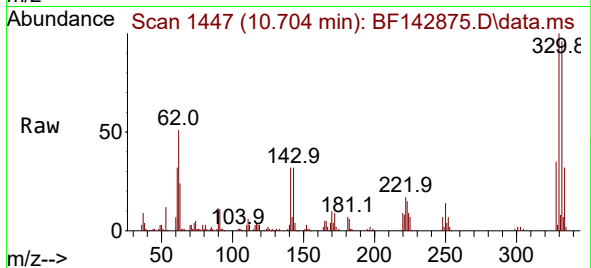
Tgt Ion:164 Resp: 170341
Ion Ratio Lower Upper
164 100
162 101.1 81.8 122.8
160 44.1 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 48.288 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

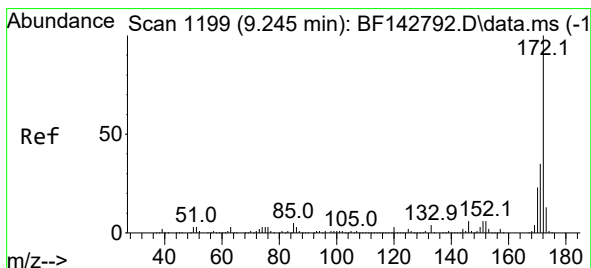
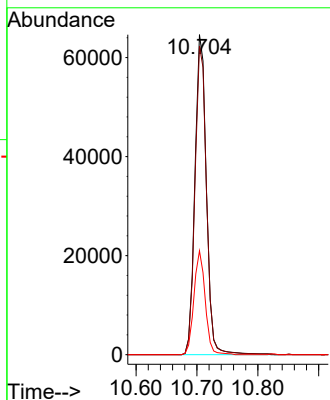
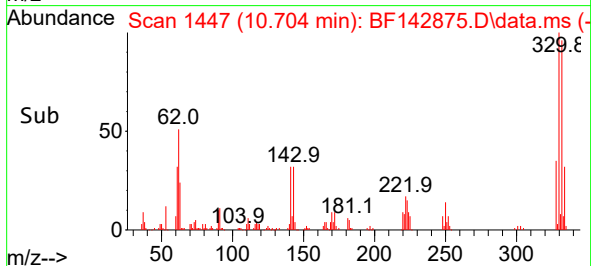
Instrument :
BNA_F
ClientSampleId :
WC-1



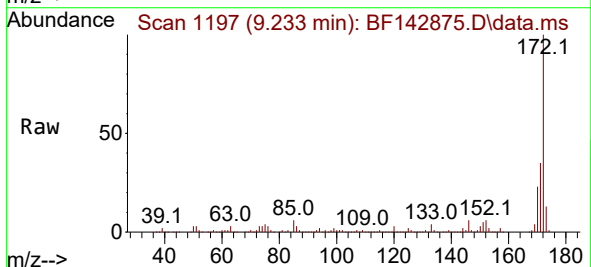
Tgt Ion: 330 Resp: 84640
Ion Ratio Lower Upper
330 100
332 97.0 75.0 112.6
141 31.8 25.3 37.9

Manual Integrations
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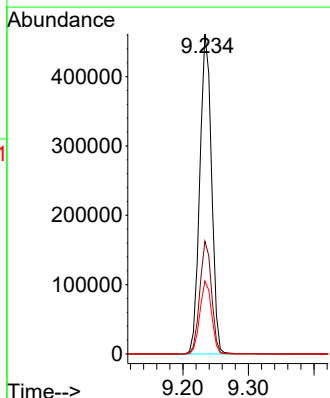
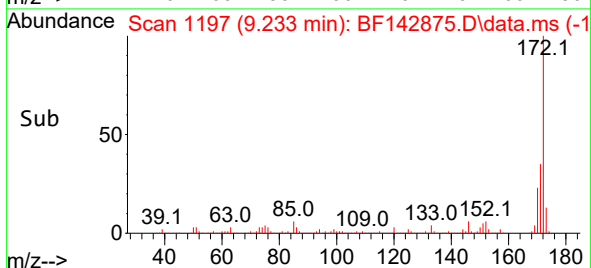
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

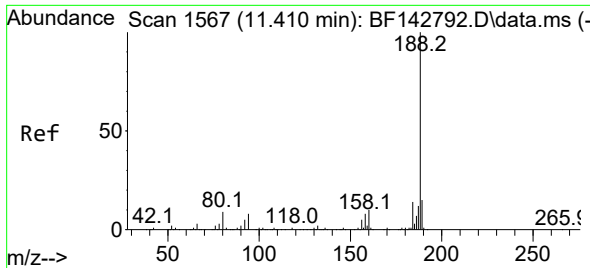


#45
2-Fluorobiphenyl
Concen: 44.460 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35



Tgt Ion: 172 Resp: 576507
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 22.8 18.5 27.7





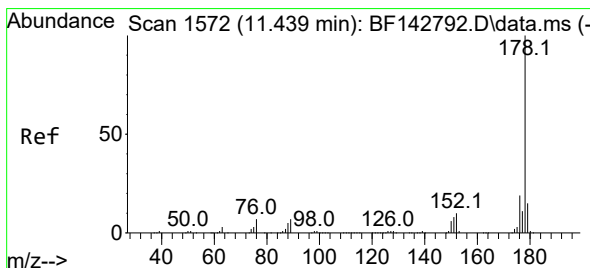
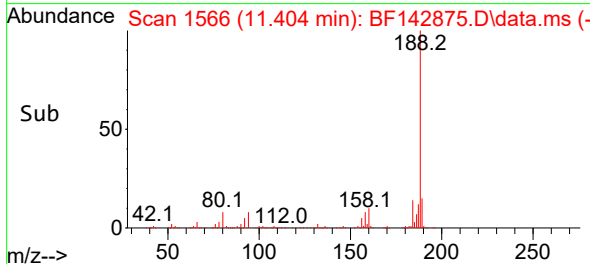
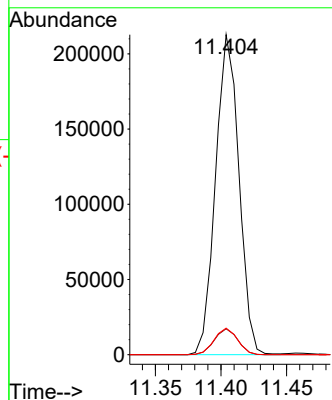
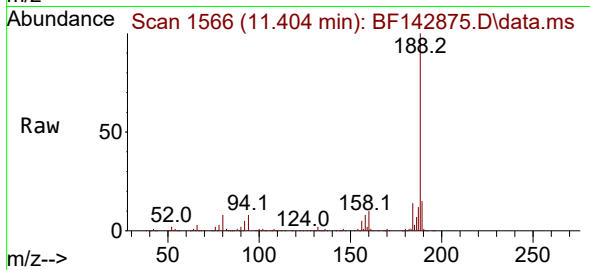
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:188 Resp: 26352
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.3 6.9 10.3

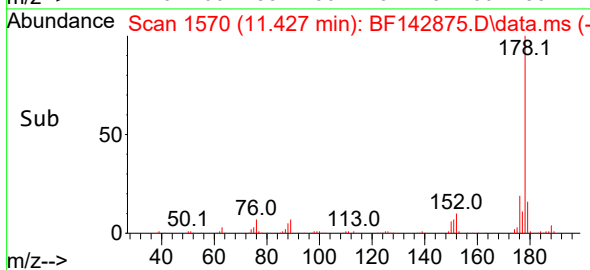
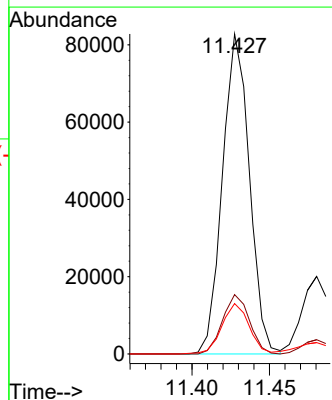
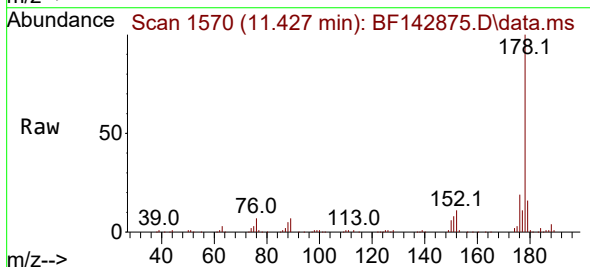
Manual Integrations
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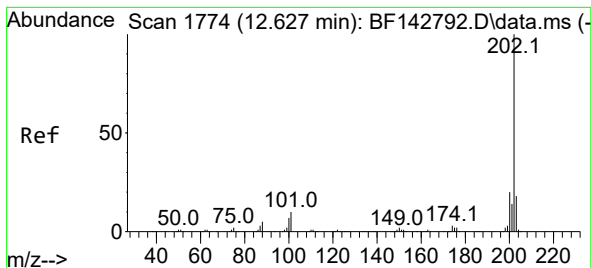
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#71
Phenanthrene
Concen: 7.014 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

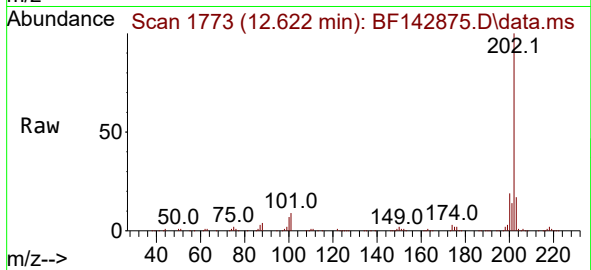
Tgt Ion:178 Resp: 100132
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.7 12.0 18.0





#75
Fluoranthene
Concen: 13.299 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

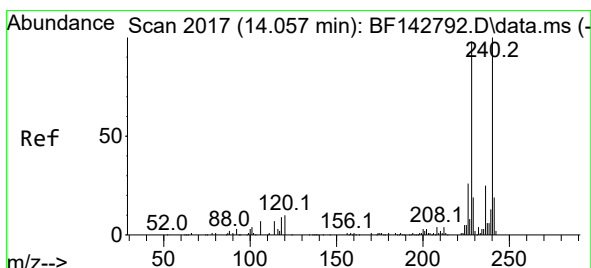
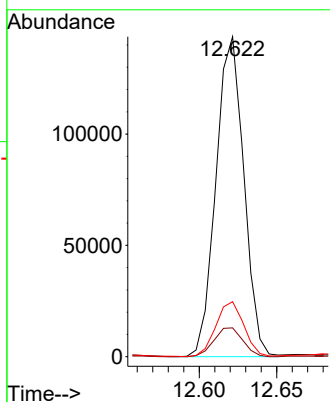
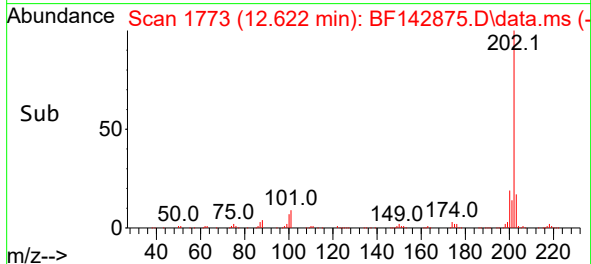
Instrument :
BNA_F
ClientSampleId :
WC-1



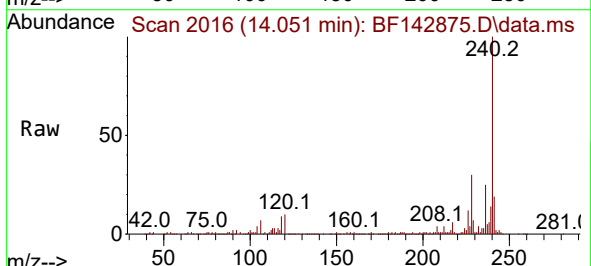
Tgt Ion:202 Resp: 180172
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 17.2 0.0 37.5

Manual Integrations
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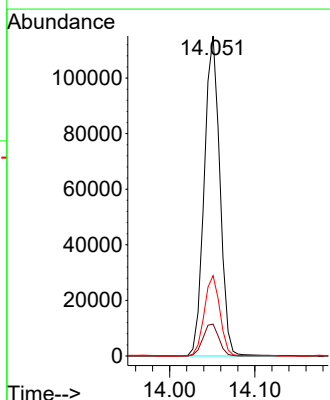
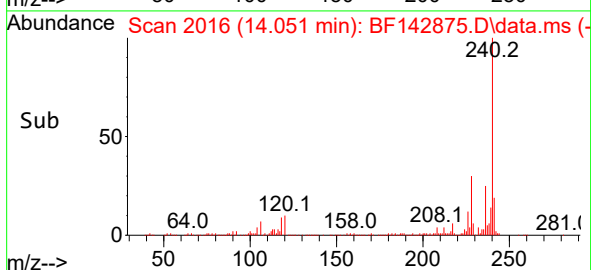
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

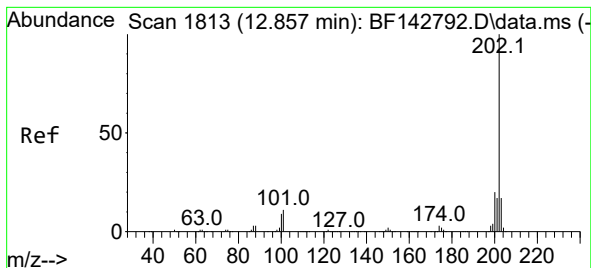


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35



Tgt Ion:240 Resp: 146506
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 25.1 19.8 29.8





#78

Pyrene

Concen: 10.673 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:202 Resp: 146569

Ion Ratio Lower Upper

202 100

200 19.2 15.7 23.5

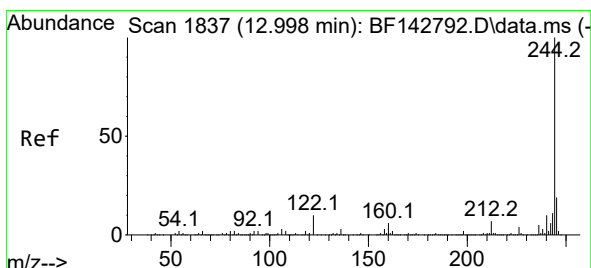
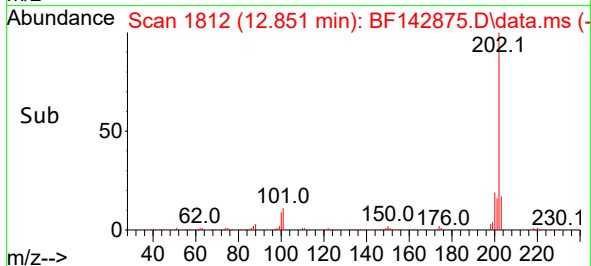
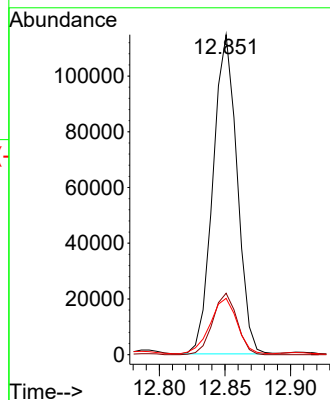
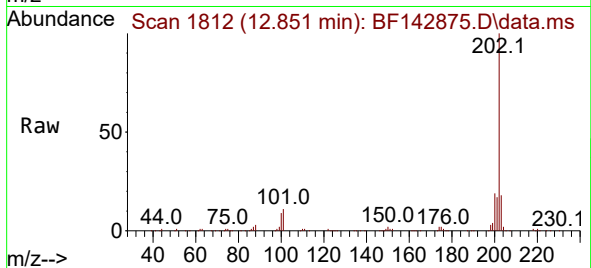
203 17.6 13.8 20.6

Manual Integrations

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Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#79

Terphenyl-d14

Concen: 37.402 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

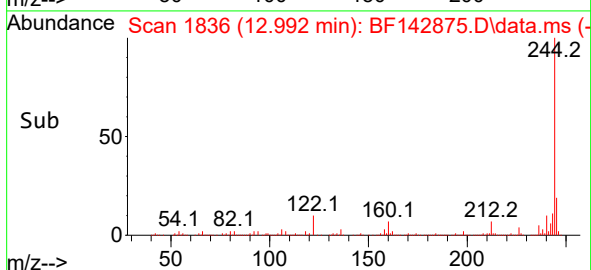
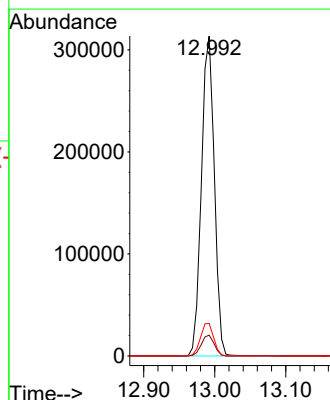
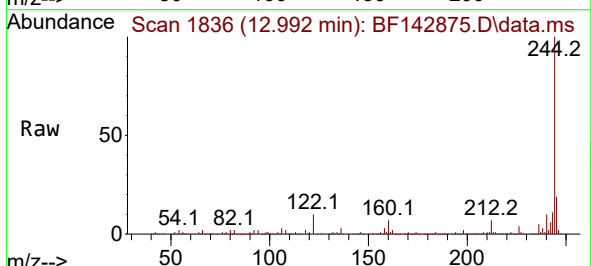
Tgt Ion:244 Resp: 396587

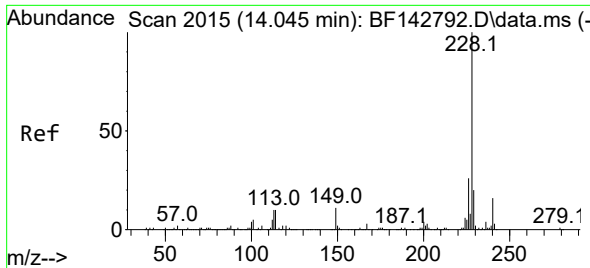
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

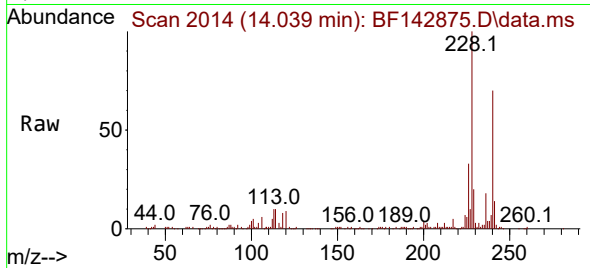
122 10.2 8.2 12.2





#81
Benzo(a)anthracene
Concen: 10.195 ng m
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

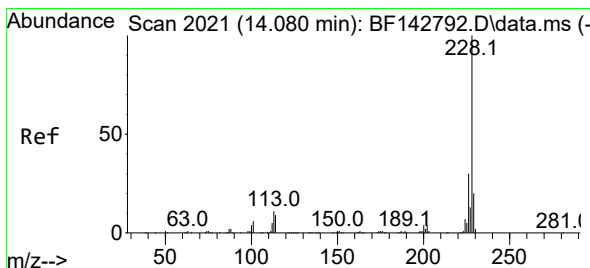
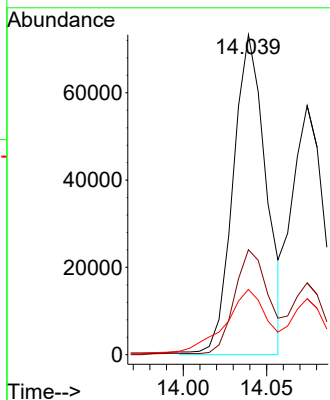
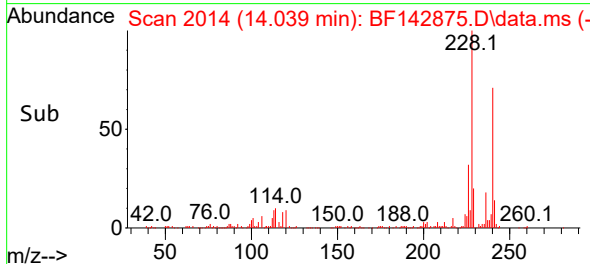
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:228 Resp: 10076
Ion Ratio Lower Upper
228 100
226 32.8 21.2 31.8
229 20.4 15.6 23.4

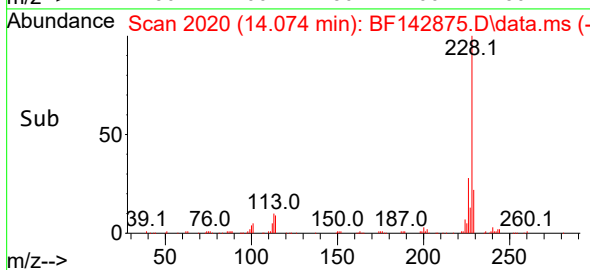
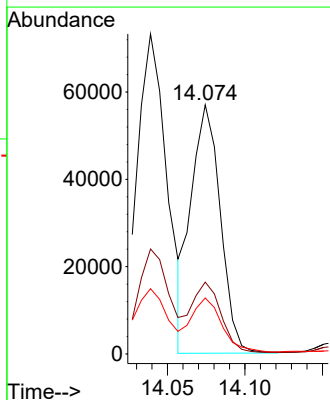
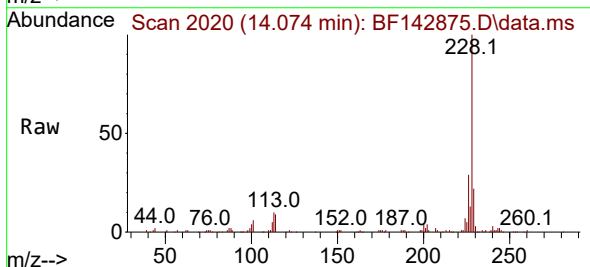
Manual Integrations
APPROVED

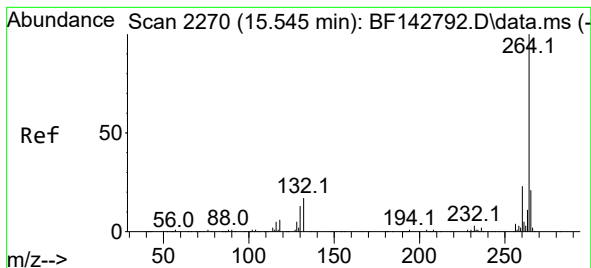
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#83
Chrysene
Concen: 8.496 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

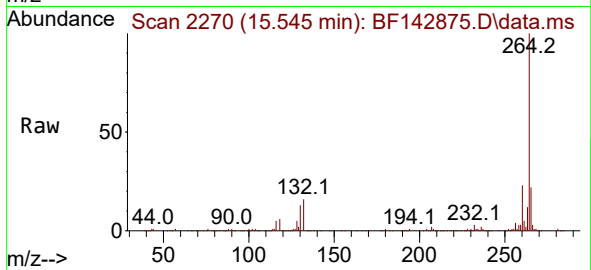
Tgt Ion:228 Resp: 74927
Ion Ratio Lower Upper
228 100
226 28.9 23.7 35.5
229 22.5 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

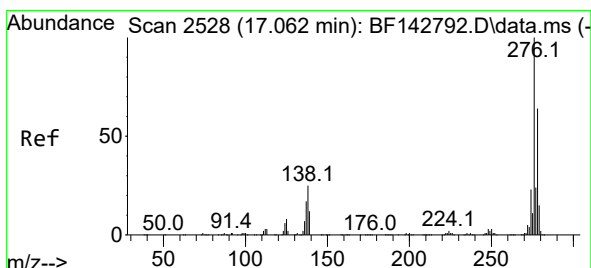
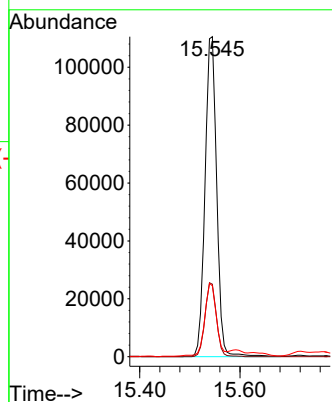
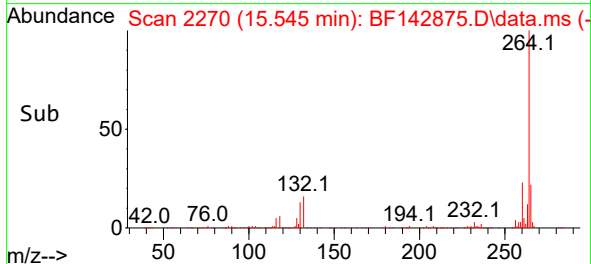
Instrument :
BNA_F
ClientSampleId :
WC-1



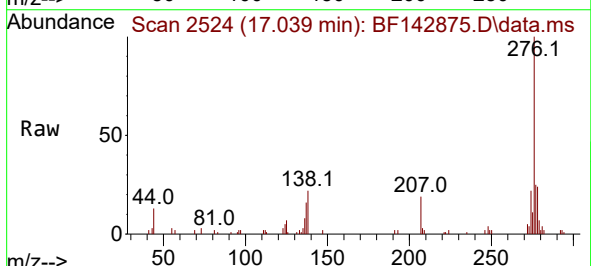
Tgt Ion:264 Resp: 178829
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 22.1 16.6 25.0

Manual Integrations
APPROVED

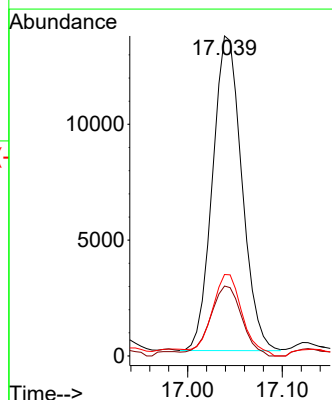
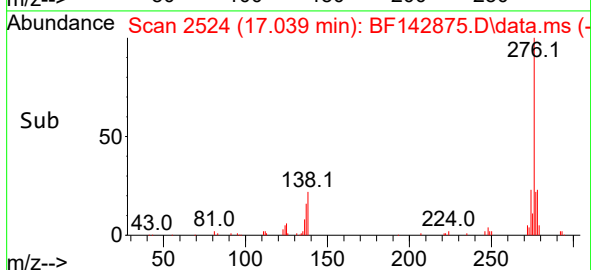
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

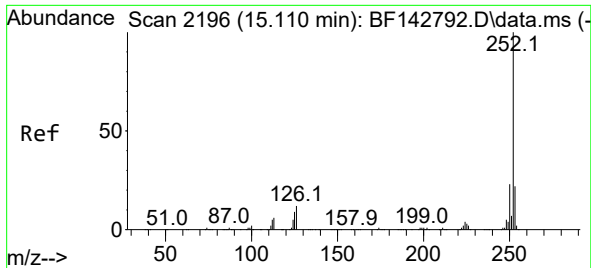


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.148 ng
RT: 17.039 min Scan# 2524
Delta R.T. -0.023 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35



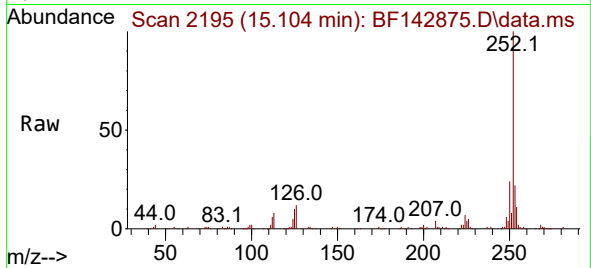
Tgt Ion:276 Resp: 29265
Ion Ratio Lower Upper
276 100
138 24.0 20.2 30.4
277 27.0 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 10.526 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35

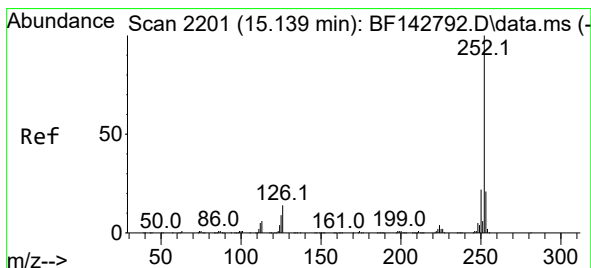
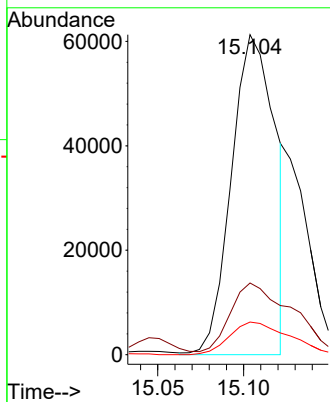
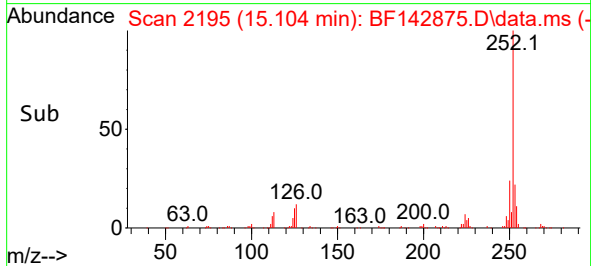
Instrument :
BNA_F
ClientSampleId :
WC-1



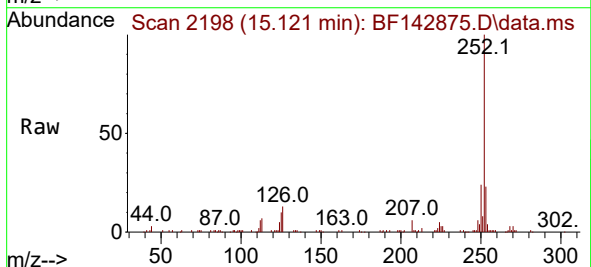
Tgt Ion:252 Resp: 108924
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 10.2 7.4 11.0

Manual Integrations
APPROVED

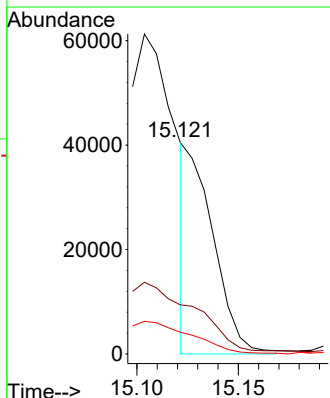
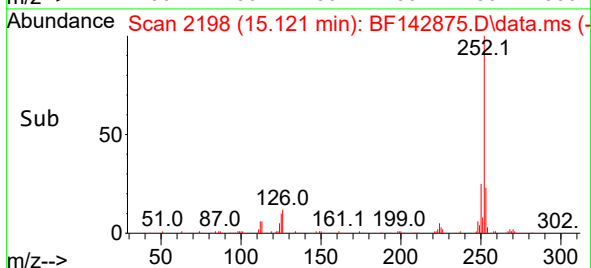
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

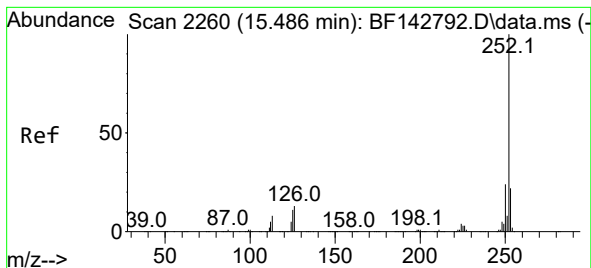


#89
Benzo(k)fluoranthene
Concen: 3.788 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142875.D
Acq: 26 Jun 2025 18:35



Tgt Ion:252 Resp: 36672
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 10.3 7.4 11.2





#90

Benzo(a)pyrene

Concen: 7.834 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

WC-1

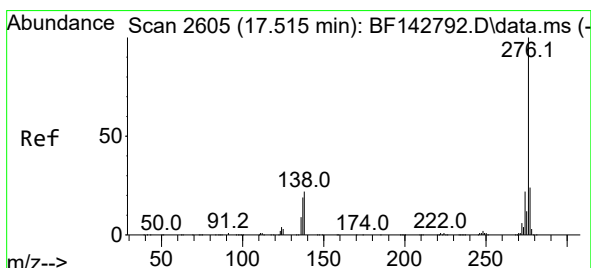
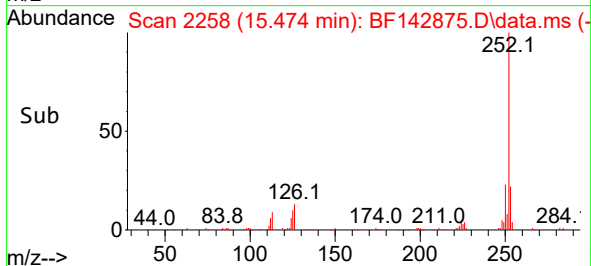
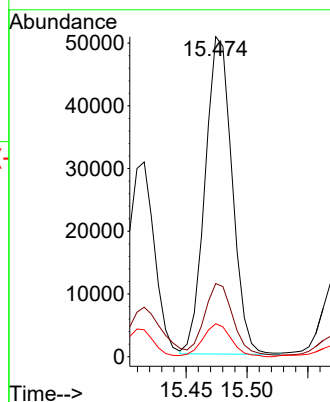
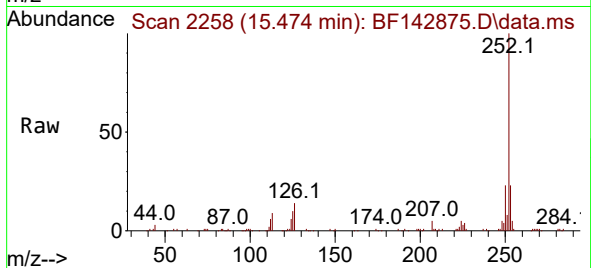
Tgt Ion:	252	Resp:	78310
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	10.3	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#92

Benzo(g,h,i)perylene

Concen: 2.120 ng

RT: 17.498 min Scan# 2602

Delta R.T. -0.018 min

Lab File: BF142875.D

Acq: 26 Jun 2025 18:35

Tgt Ion:	276	Resp:	23396
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.8	28.2
138	21.7	17.6	26.4

