

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144126.D
 Acq On : 29 Oct 2025 14:03
 Operator : RC/JU
 Sample : Q3419-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S16-119133-20251021

Manual Integrations
 APPROVED

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

Quant Time: Oct 29 14:23:03 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	62325	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	236347	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	128098	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	203077	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	156913	20.000	ng	0.00
86) Perylene-d12	15.539	264	200959	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	245211	62.246	ng	0.00
7) Phenol-d6	6.498	99	294369	67.662	ng	0.00
23) Nitrobenzene-d5	7.434	82	182008	42.191	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	98186	60.173	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	329315	36.177	ng	0.00
79) Terphenyl-d14	12.992	244	285704	31.831	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	65757	6.518	ng	98
72) Anthracene	11.480	178	28937m	2.777	ng	
75) Fluoranthene	12.627	202	89604	8.040	ng	96
78) Pyrene	12.857	202	96873	8.587	ng	98
81) Benzo(a)anthracene	14.045	228	64118	6.046	ng	# 81
83) Chrysene	14.080	228	57336	5.762	ng	# 86
88) Benzo(b)fluoranthene	15.104	252	71578m	6.300	ng	
90) Benzo(a)pyrene	15.474	252	60867	5.972	ng	# 93
92) Benzo(g,h,i)perylene	17.492	276	22739	2.071	ng	# 92

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

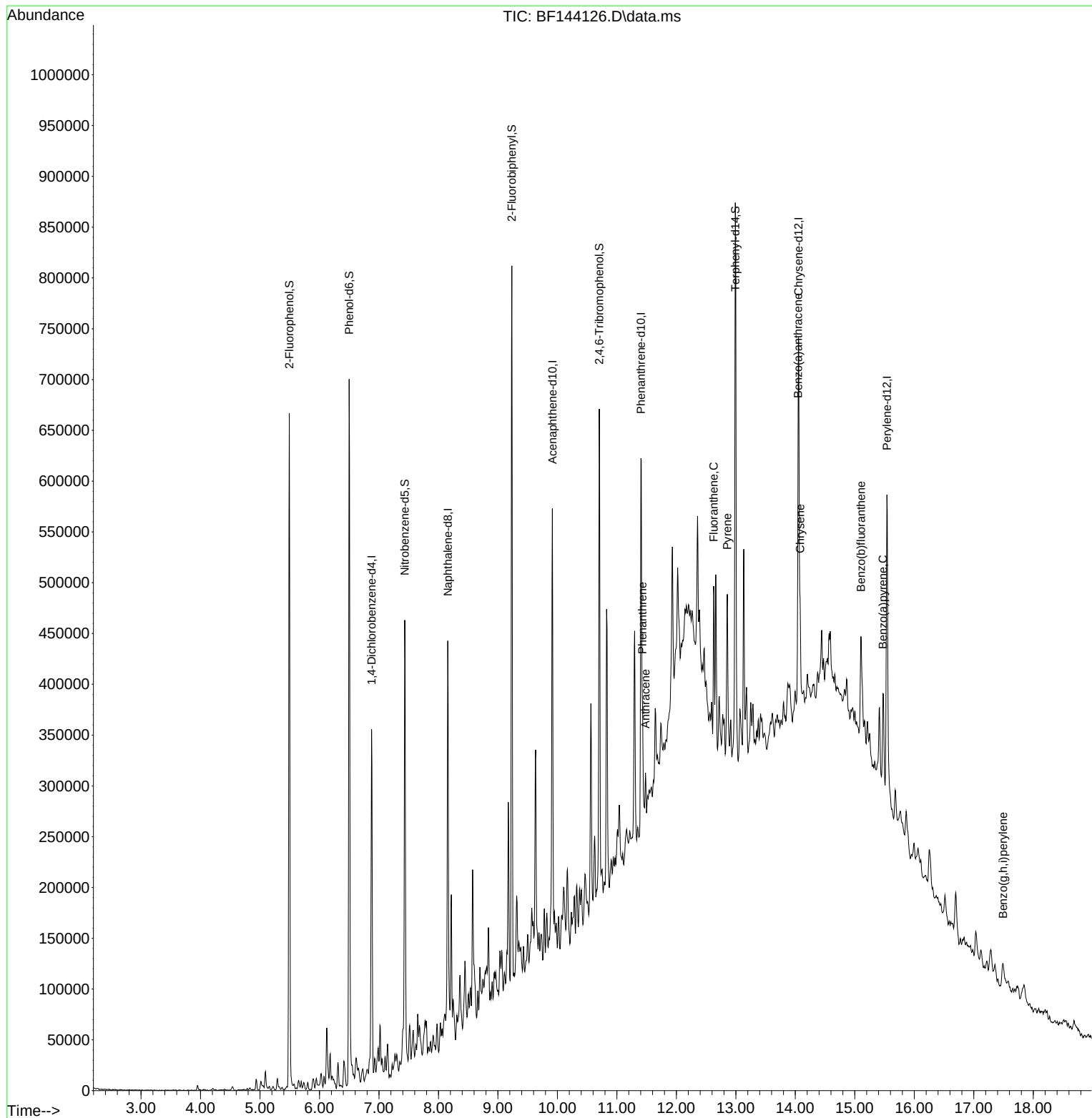
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
Data File : BF144126.D
Acq On : 29 Oct 2025 14:03
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

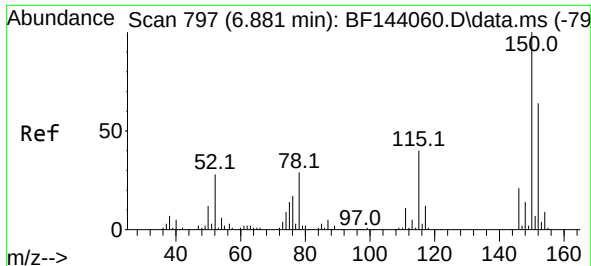
Instrument :
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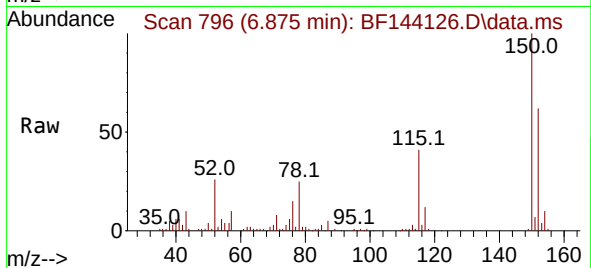
Quant Time: Oct 29 14:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

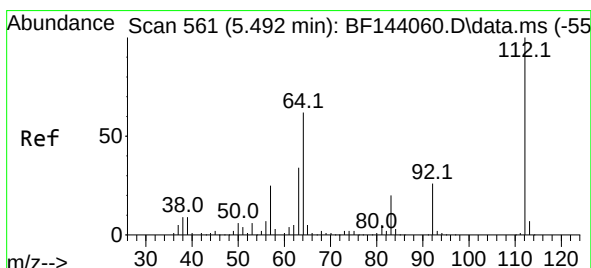
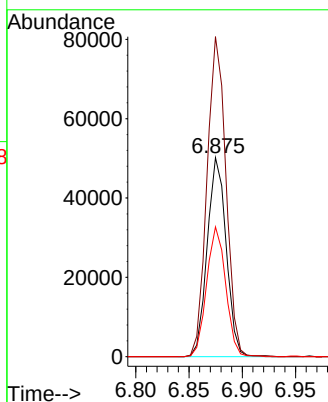
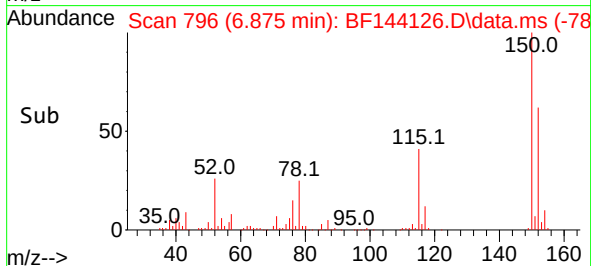
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



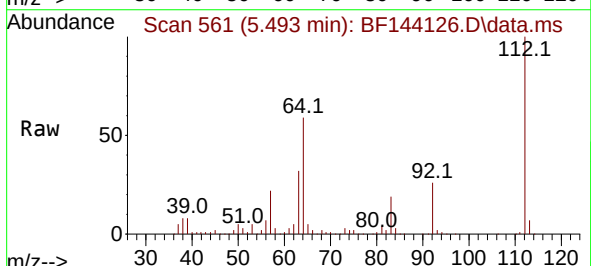
Tgt Ion:152 Resp: 62325
Ion Ratio Lower Upper
152 100
150 160.8 124.4 186.6
115 65.2 49.4 74.0

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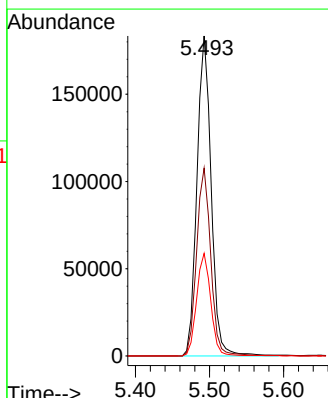
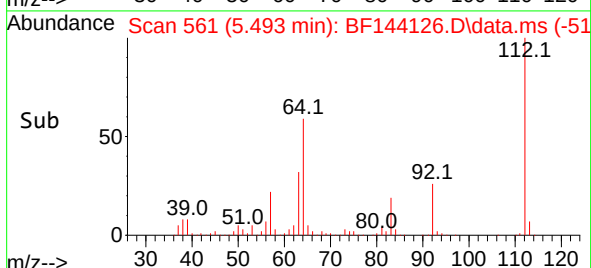
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

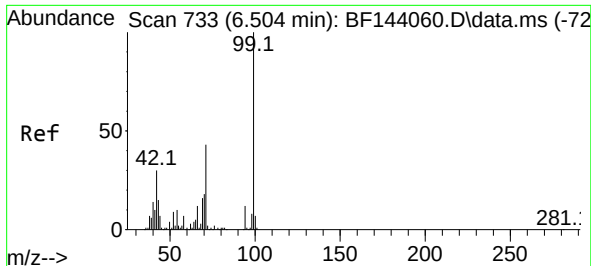


#5
2-Fluorophenol
Concen: 62.246 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03



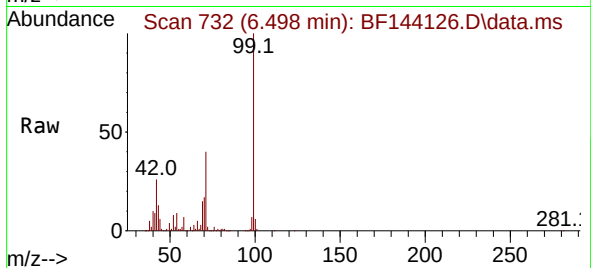
Tgt Ion:112 Resp: 245211
Ion Ratio Lower Upper
112 100
64 58.7 49.8 74.8
63 32.1 27.4 41.2





#7
Phenol-d6
Concen: 67.662 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

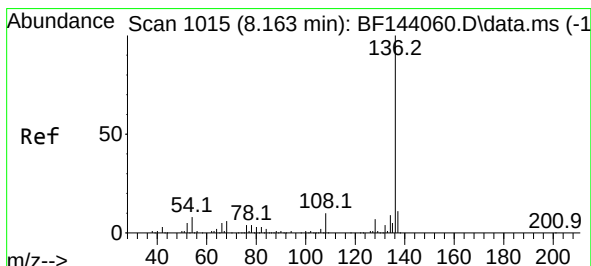
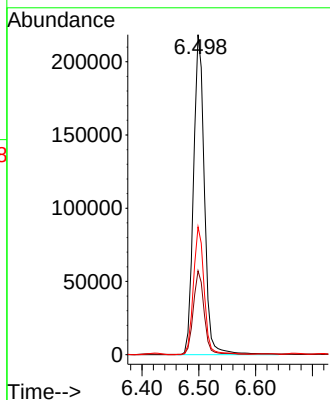
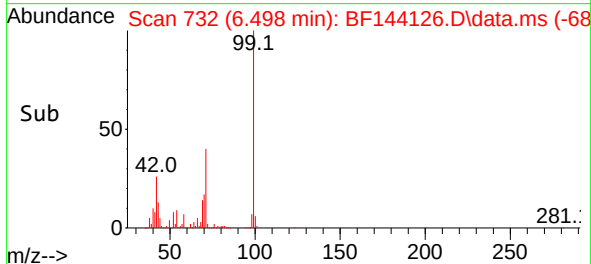
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion: 99 Resp: 294369
Ion Ratio Lower Upper
99 100
42 26.2 23.9 35.9
71 39.9 34.4 51.6

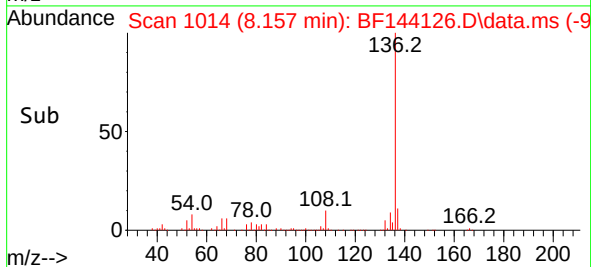
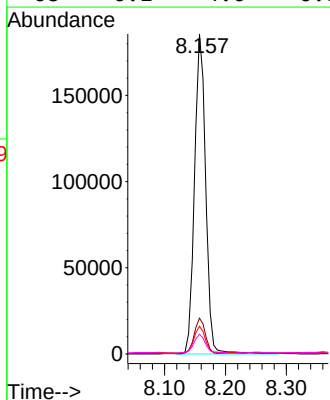
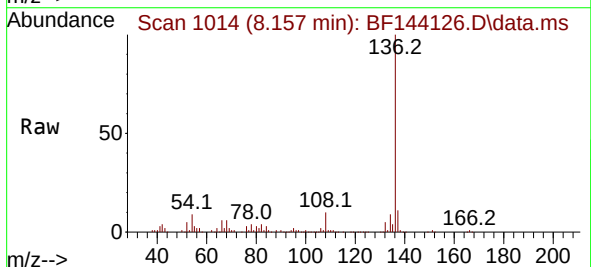
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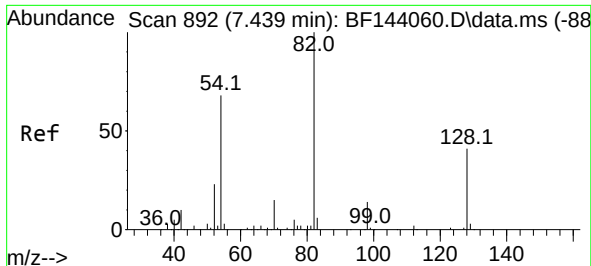
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

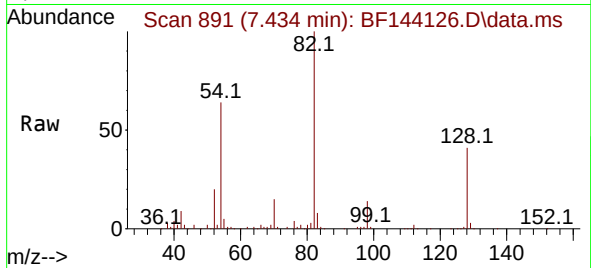
Tgt Ion:136 Resp: 236347
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.6 6.6 9.8
68 6.1 4.6 6.8





#23
Nitrobenzene-d5
Concen: 42.191 ng
RT: 7.434 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

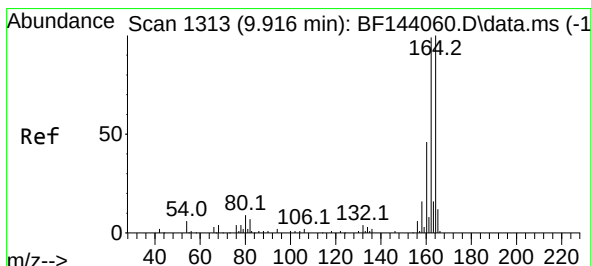
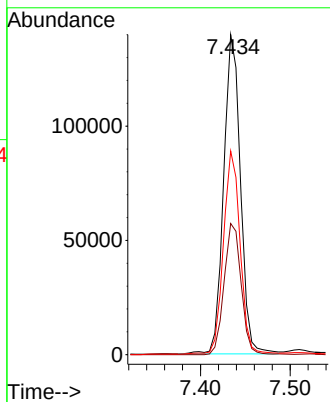
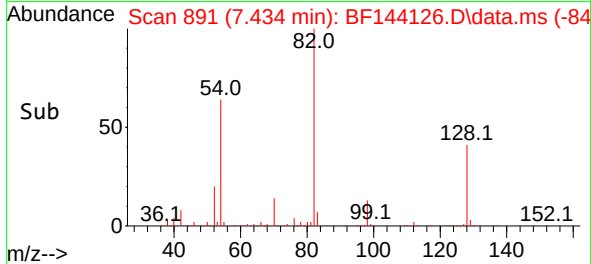
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion: 82 Resp: 182008
Ion Ratio Lower Upper
82 100
128 41.0 32.4 48.6
54 63.6 54.0 81.0

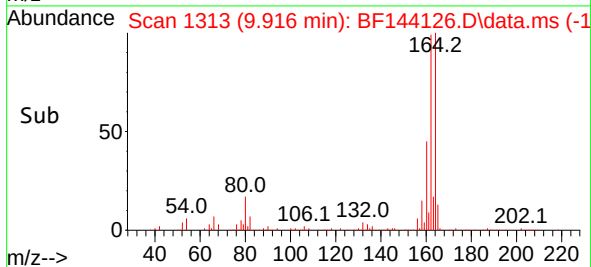
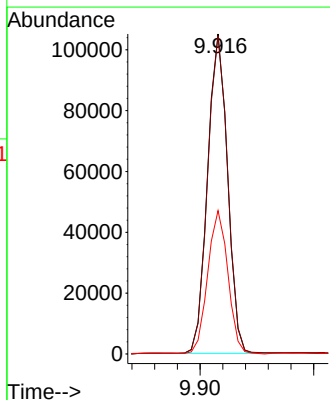
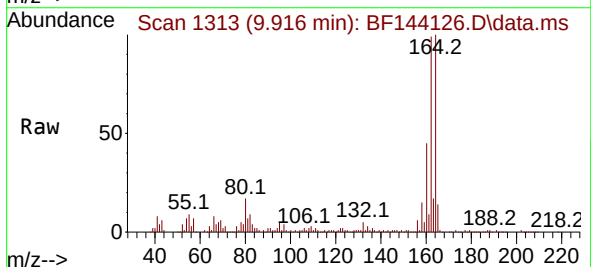
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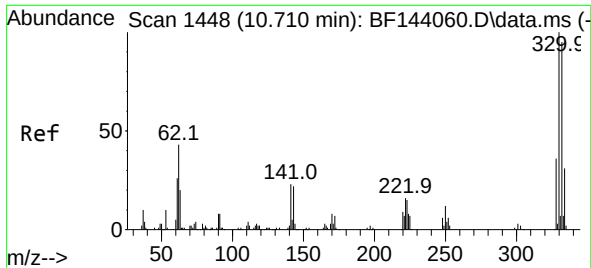
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

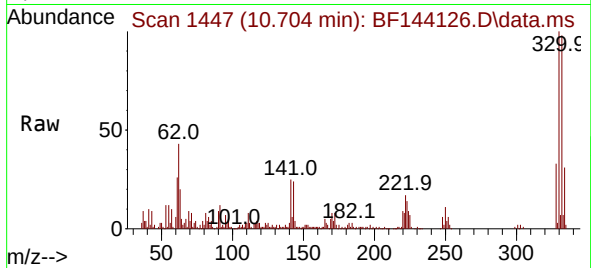
Tgt Ion:164 Resp: 128098
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.2
160 44.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 60.173 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

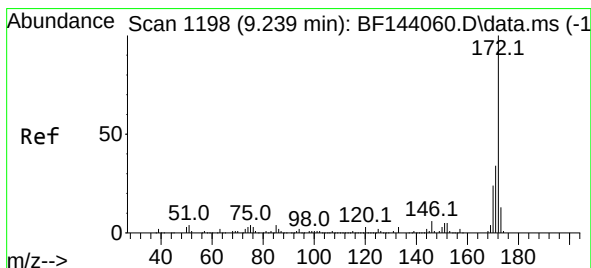
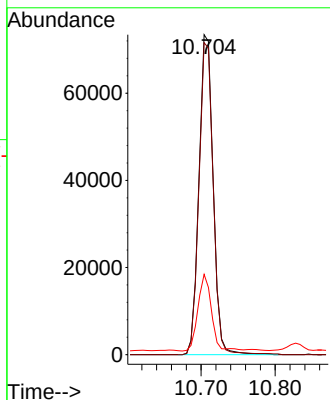
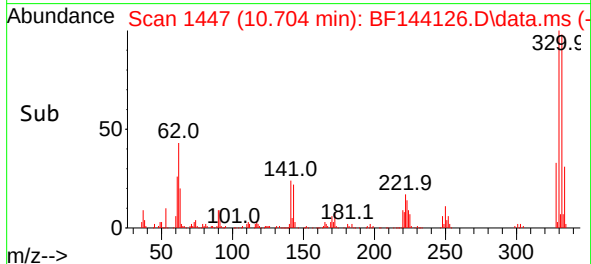
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion: 330 Resp: 98180
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 22.4 19.4 29.0

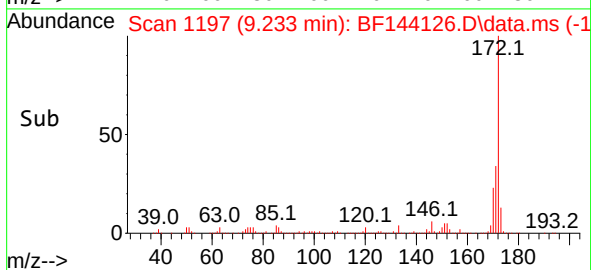
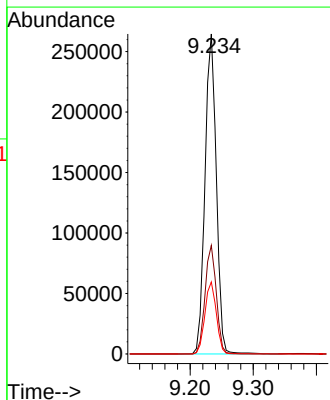
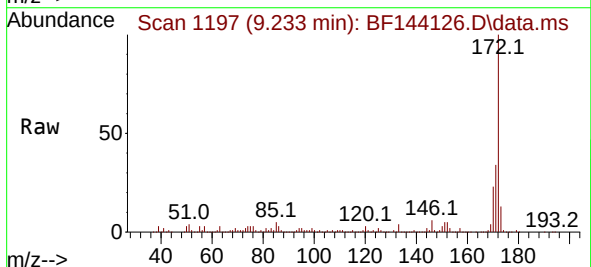
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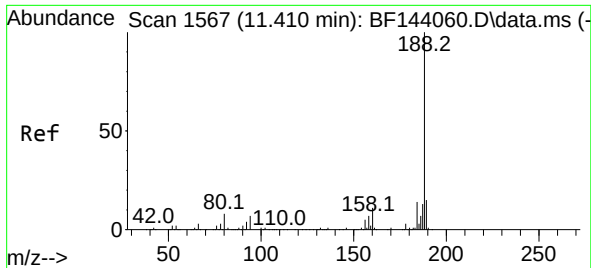
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#45
2-Fluorobiphenyl
Concen: 36.177 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

Tgt Ion: 172 Resp: 329315
Ion Ratio Lower Upper
172 100
171 33.9 27.5 41.3
170 22.5 19.0 28.6





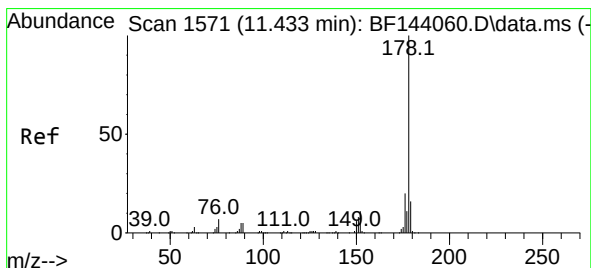
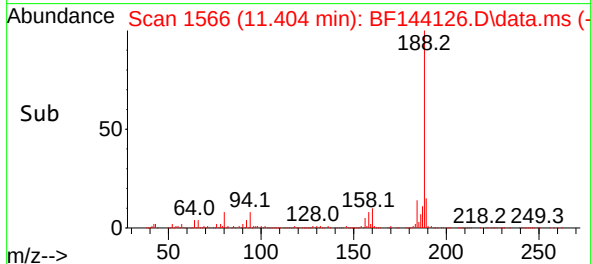
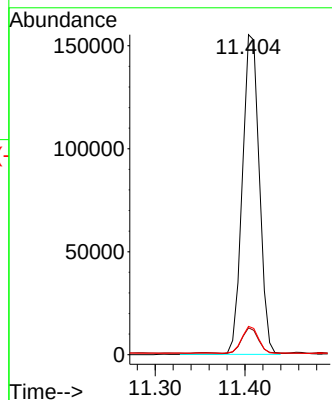
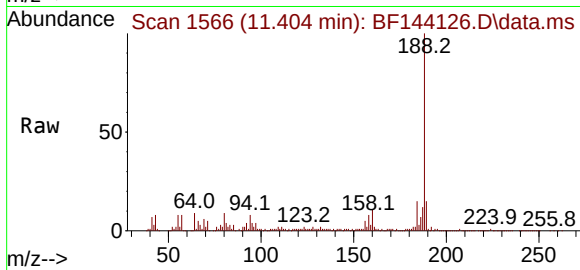
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion:188 Resp: 20307
Ion Ratio Lower Upper
188 100
94 8.4 5.4 8.0
80 8.9 6.0 9.0

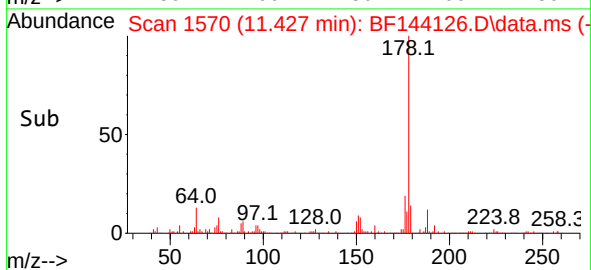
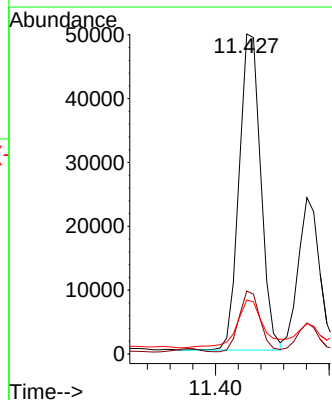
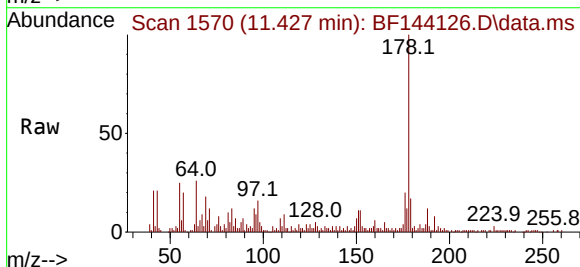
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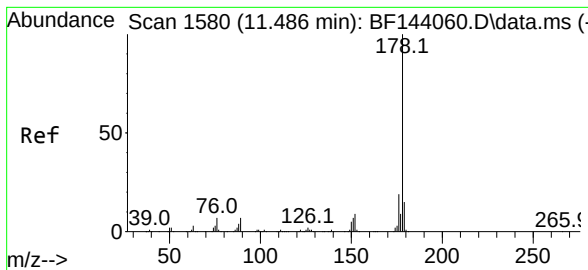
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#71
Phenanthrene
Concen: 6.518 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

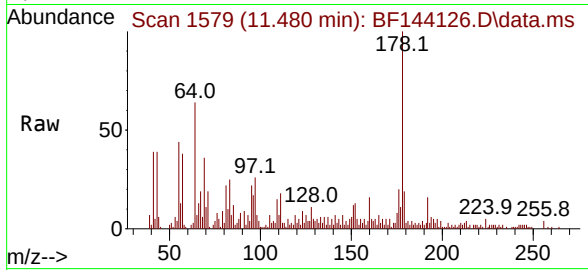
Tgt Ion:178 Resp: 65757
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 16.8 12.6 18.8





#72
 Anthracene
 Concen: 2.777 ng m
 RT: 11.480 min Scan# 11480
 Delta R.T. -0.006 min
 Lab File: BF144126.D
 Acq: 29 Oct 2025 14:03

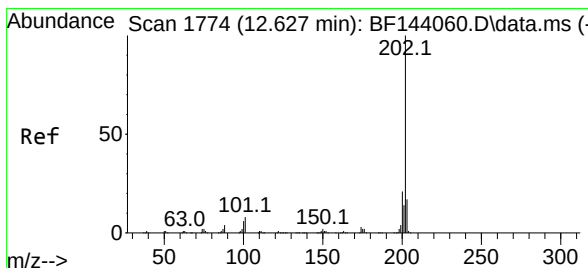
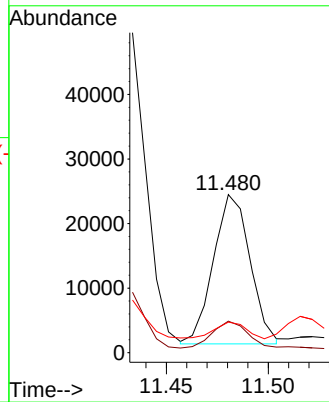
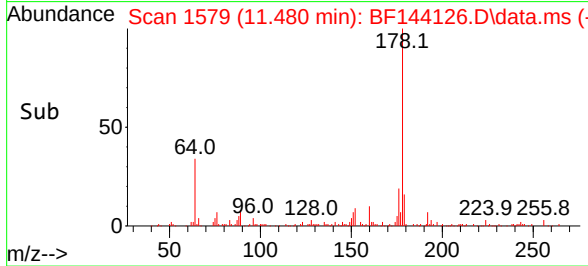
Instrument : BNA_F
 ClientSampleId : PR132-S16-119133-20251021



Tgt Ion:178 Resp: 2893
 Ion Ratio Lower Upper
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 176 19.9 15.0 22.4
 179 19.3 11.8 17.6

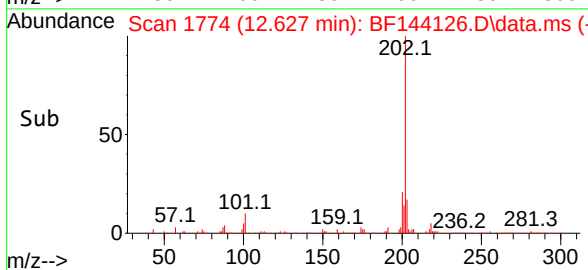
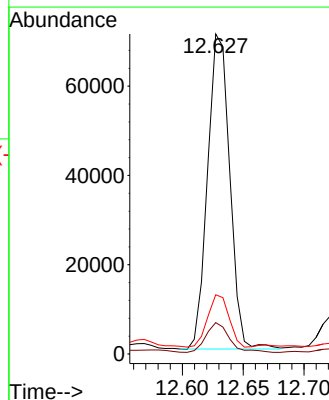
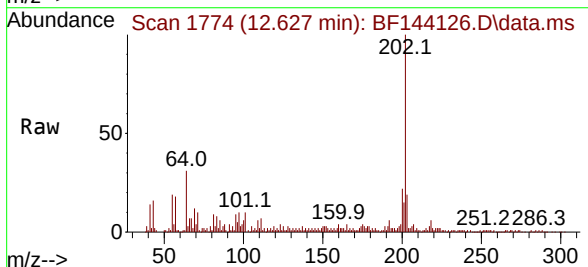
Manual Integrations
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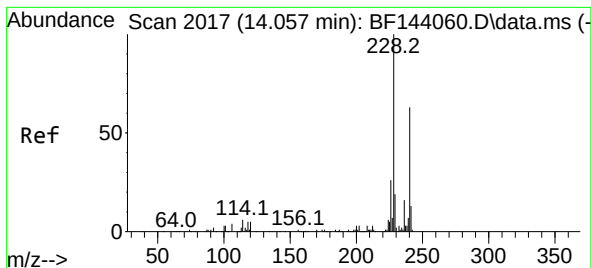
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025



#75
 Fluoranthene
 Concen: 8.040 ng
 RT: 12.627 min Scan# 1774
 Delta R.T. 0.000 min
 Lab File: BF144126.D
 Acq: 29 Oct 2025 14:03

Tgt Ion:202 Resp: 89604
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 27.7
 203 18.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Instrument :

BNA_F

ClientSampleId :

PR132-S16-119133-20251021

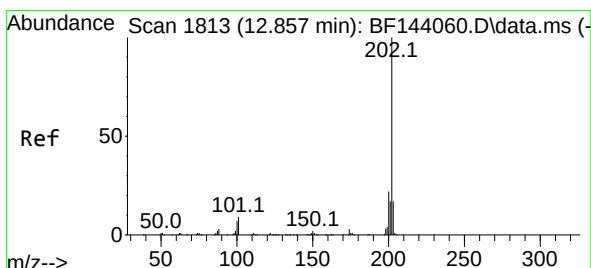
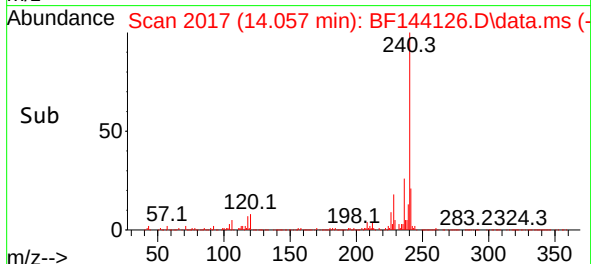
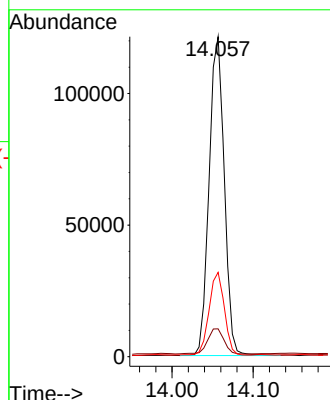
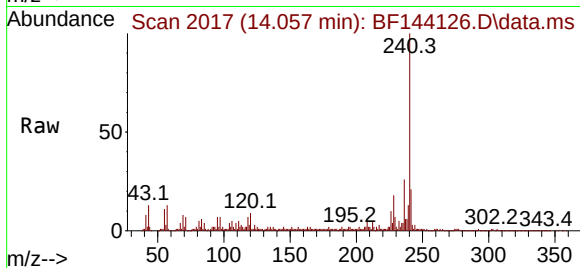
Tgt Ion:240 Resp: 15691
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.5 9.7
 236 26.4 20.1 30.1

Manual Integrations

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#78

Pyrene

Concen: 8.587 ng

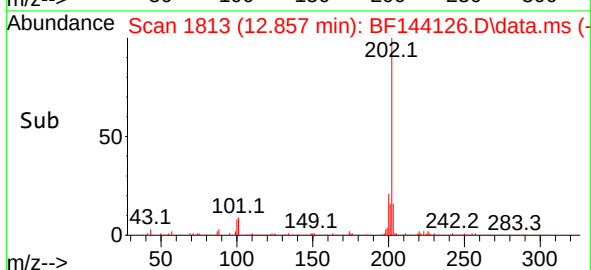
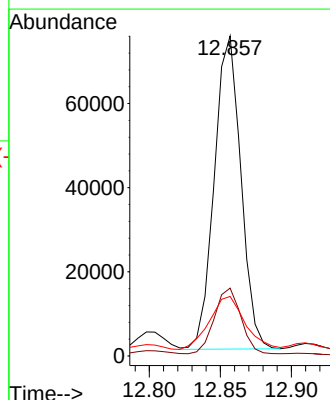
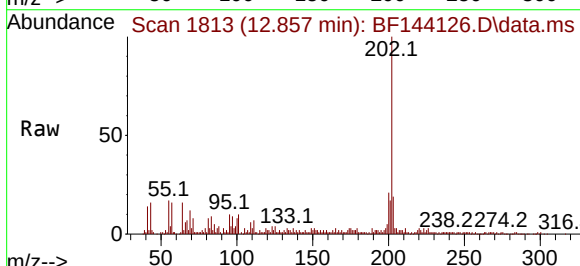
RT: 12.857 min Scan# 1813

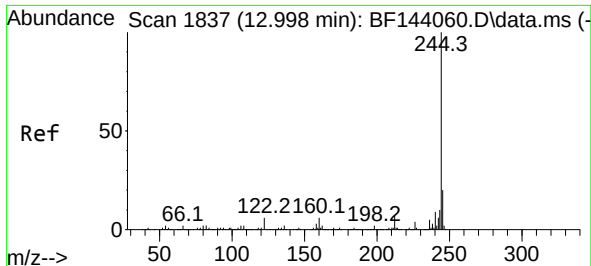
Delta R.T. 0.000 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

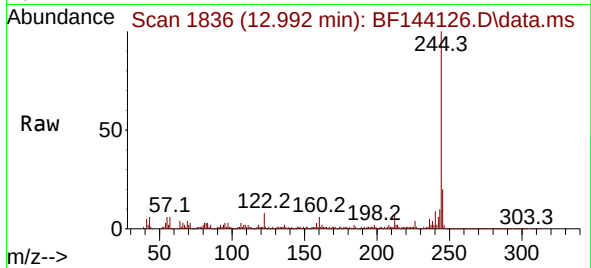
Tgt Ion:202 Resp: 96873
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.2 25.8
 203 18.6 13.5 20.3





#79
 Terphenyl-d14
 Concen: 31.831 ng
 RT: 12.992 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF144126.D
 Acq: 29 Oct 2025 14:03

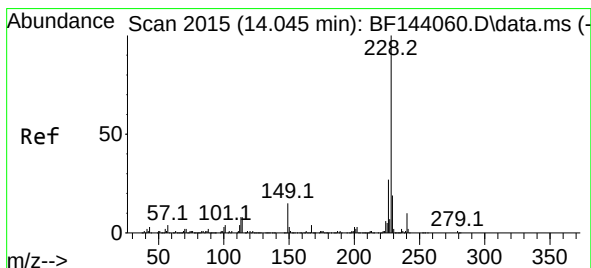
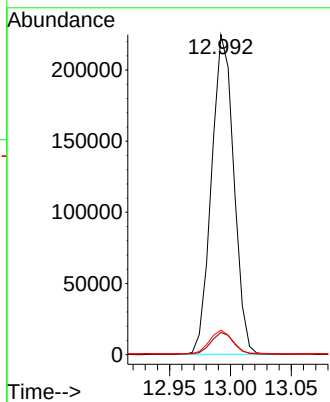
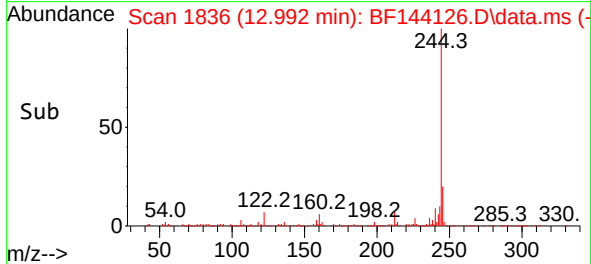
Instrument :
 BNA_F
 ClientSampleId :
 PR132-S16-119133-20251021



Tgt Ion:244 Resp: 285704
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 7.7 4.9 7.3

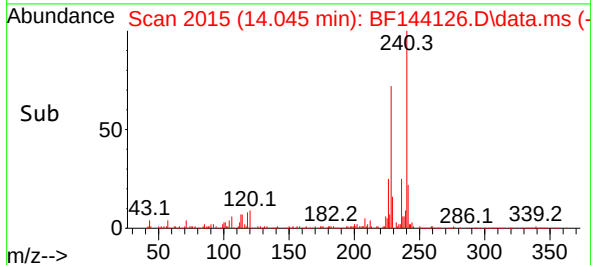
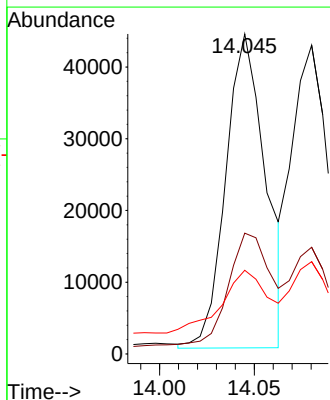
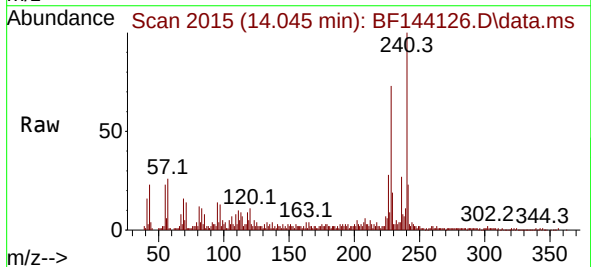
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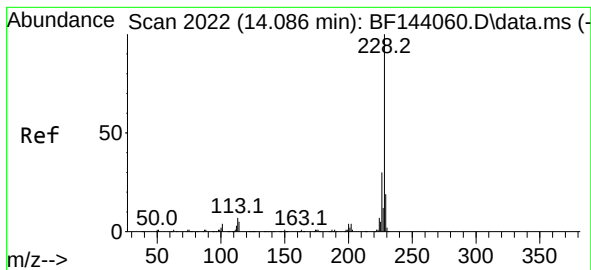
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025



#81
 Benzo(a)anthracene
 Concen: 6.046 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: BF144126.D
 Acq: 29 Oct 2025 14:03

Tgt Ion:228 Resp: 64118
 Ion Ratio Lower Upper
 228 100
 226 37.8 21.4 32.2#
 229 26.2 15.3 22.9#





#83

Chrysene

Concen: 5.762 ng

RT: 14.080 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Instrument :

BNA_F

ClientSampleId :

PR132-S16-119133-20251021

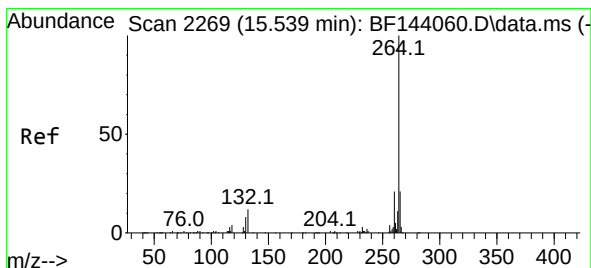
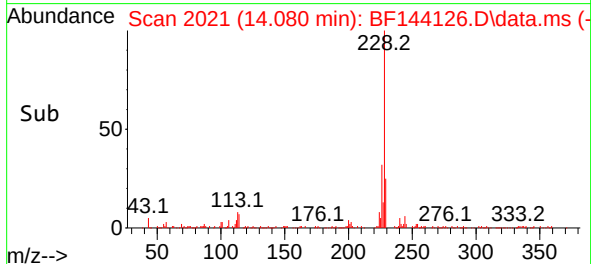
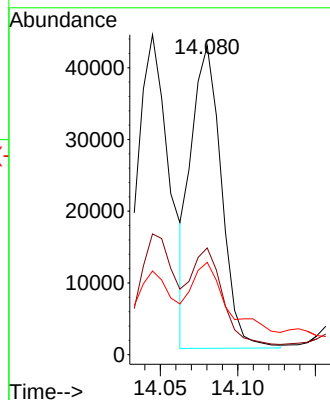
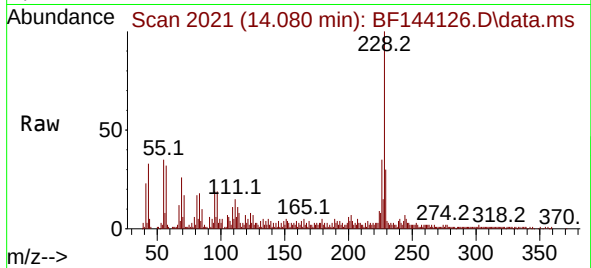
Tgt Ion:	228	Resp:	57330
Ion Ratio	Lower	Upper	
228	100		
226	34.5	23.8	35.6
229	29.9	15.6	23.4

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#86

Perylene-d12

Concen: 20.000 ng

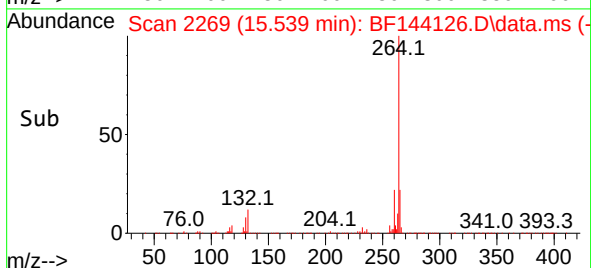
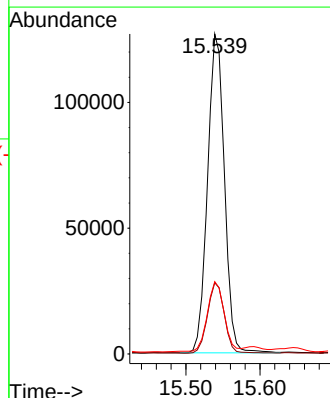
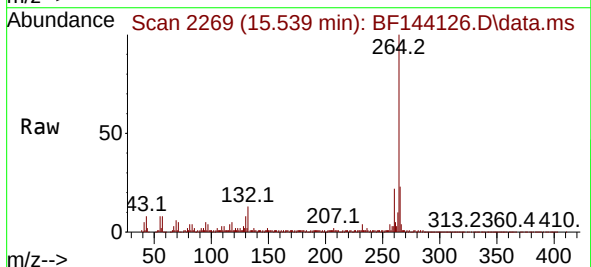
RT: 15.539 min Scan# 2269

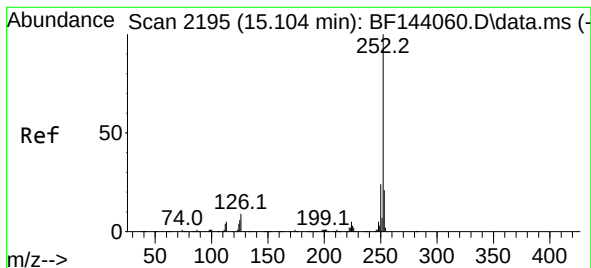
Delta R.T. 0.000 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Tgt Ion:	264	Resp:	200959
Ion Ratio	Lower	Upper	
264	100		
260	22.3	17.0	25.4
265	22.6	16.6	24.8





#88

Benzo(b)fluoranthene

Concen: 6.300 ng m

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Instrument :

BNA_F

ClientSampleId :

PR132-S16-119133-20251021

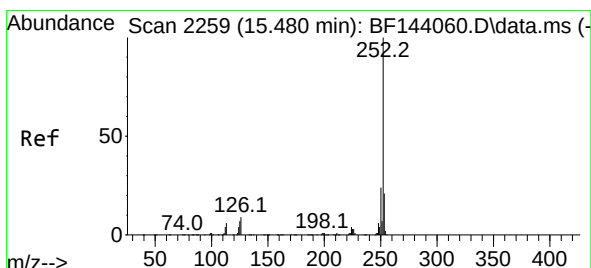
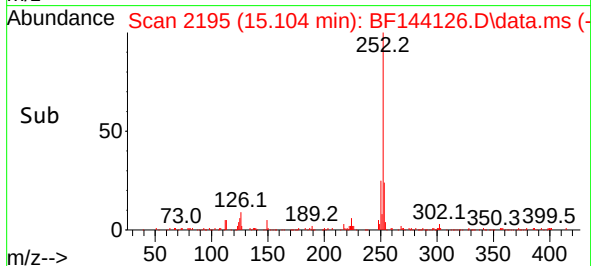
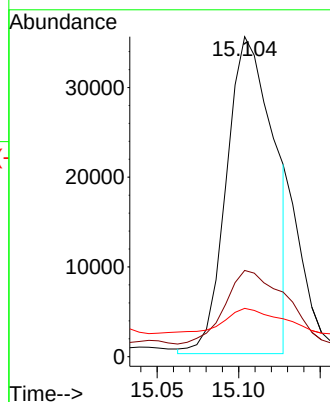
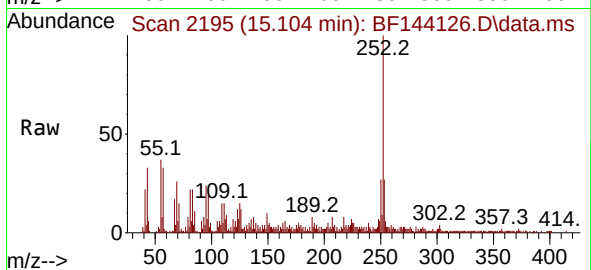
Tgt Ion:252 Resp: 71578
 Ion Ratio Lower Upper
 252 100
 253 26.9 17.2 25.8
 125 15.1 5.0 7.6

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#90

Benzo(a)pyrene

Concen: 5.972 ng

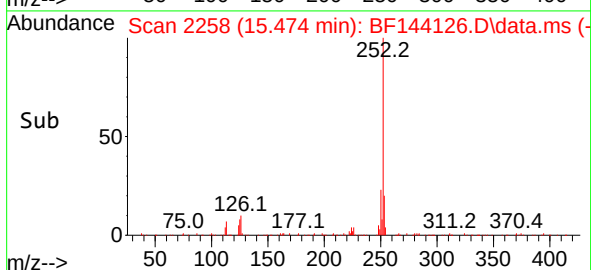
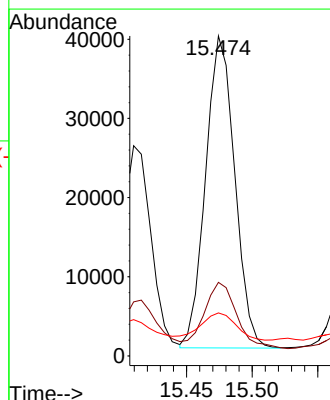
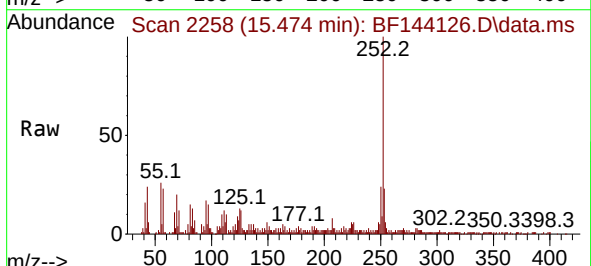
RT: 15.474 min Scan# 2258

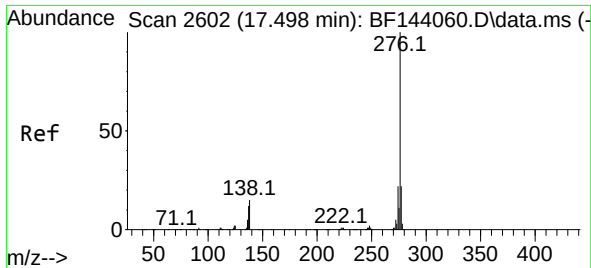
Delta R.T. -0.006 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

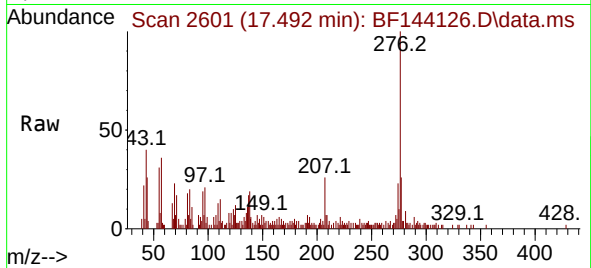
Tgt Ion:252 Resp: 60867
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.1 25.7
 125 13.4 5.4 8.2





#92
Benzo(g,h,i)perylene
Concen: 2.071 ng
RT: 17.492 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144126.D
Acq: 29 Oct 2025 14:03

Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion:	276	Resp:	22739
Ion Ratio	Lower	Upper	
276	100		
277	26.1	17.9	26.9
138	18.8	12.0	18.0

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

