

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144105.D
 Acq On : 28 Oct 2025 17:14
 Operator : RC/JU
 Sample : Q3419-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :Jagrut Upadhyay 10/29/2025

Quant Time: Oct 28 17:34:20 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	62876	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	232905	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	124644	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	167817	20.000	ng	0.00
76) Chrysene-d12	14.051	240	129765	20.000	ng	0.00
86) Perylene-d12	15.539	264	179006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	252283	63.480	ng	0.00
7) Phenol-d6	6.504	99	287720	65.554	ng	0.00
23) Nitrobenzene-d5	7.434	82	175951	41.390	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	86260	54.329	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	312425	35.272	ng	0.00
79) Terphenyl-d14	12.992	244	227817	30.692	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	54546	6.543	ng	98
72) Anthracene	11.480	178	22350m	2.595	ng	
75) Fluoranthene	12.627	202	71005	7.709	ng	97
78) Pyrene	12.851	202	73983m	7.930	ng	
81) Benzo(a)anthracene	14.045	228	55346	6.311	ng	# 80
83) Chrysene	14.080	228	44968	5.464	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.033	276	28543	2.322	ng	95
88) Benzo(b)fluoranthene	15.104	252	58266m	5.758	ng	
90) Benzo(a)pyrene	15.474	252	54520	6.005	ng	# 92
92) Benzo(g,h,i)perylene	17.492	276	30614	3.130	ng	94

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

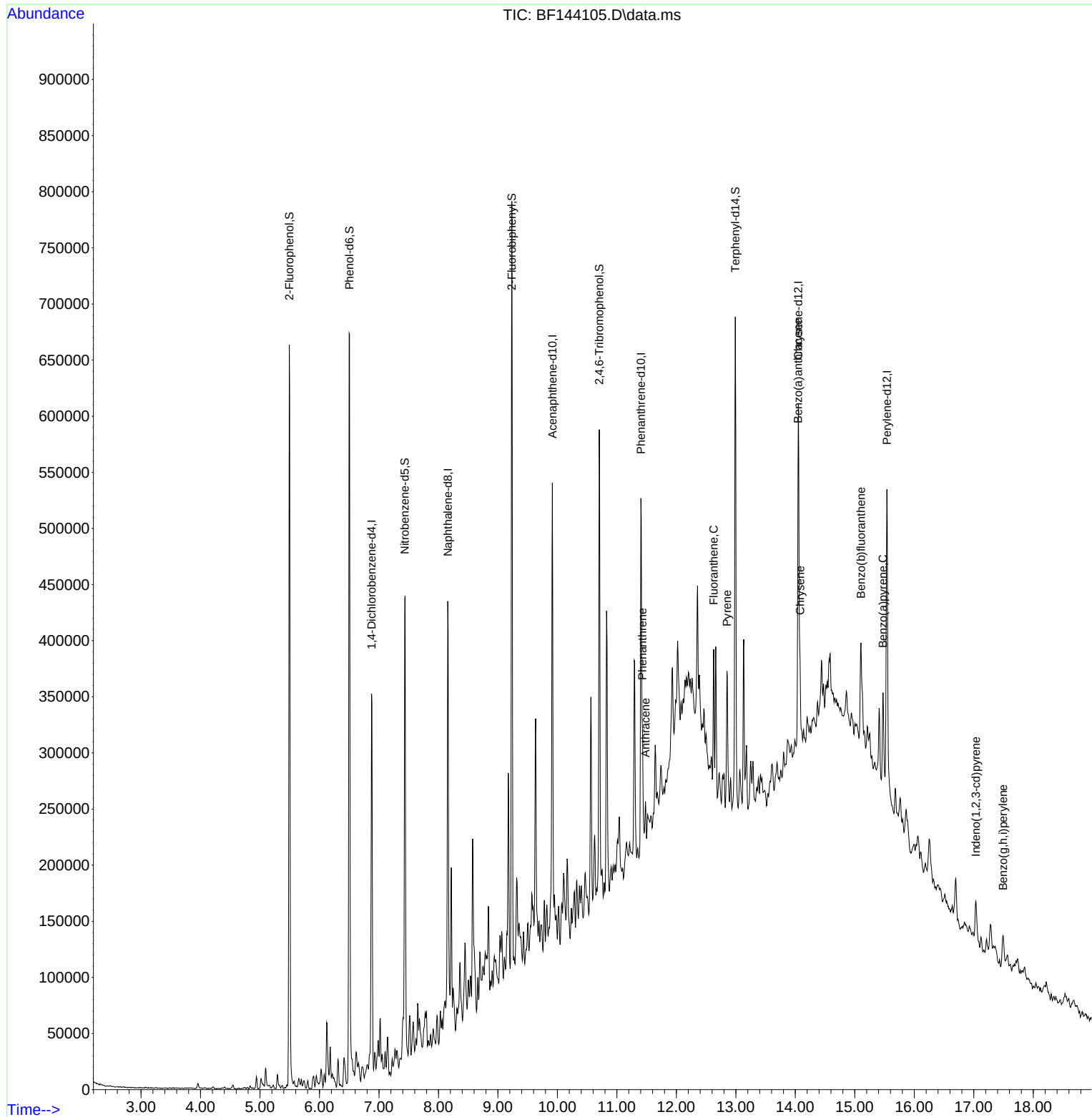
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144105.D
Acq On : 28 Oct 2025 17:14
Operator : RC/JU
Sample : Q3419-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

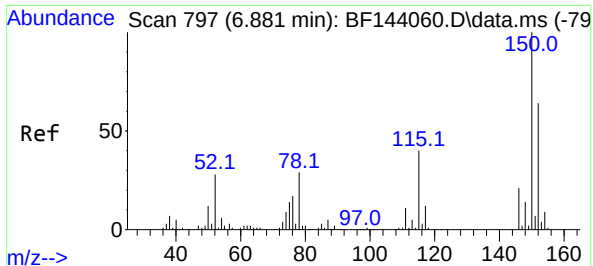
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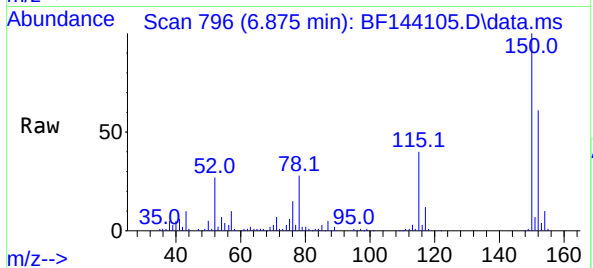
Quant Time: Oct 28 17:34:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

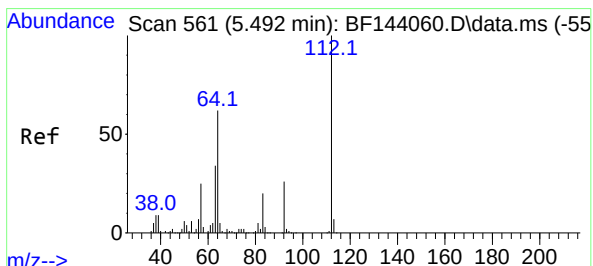
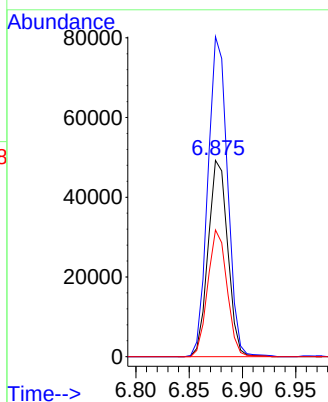
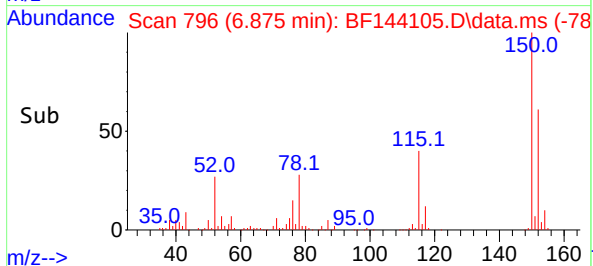
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion:152 Resp: 62870
Ion Ratio Lower Upper
152 100
150 163.0 124.4 186.6
115 64.6 49.4 74.0

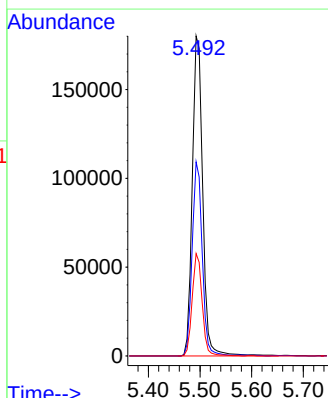
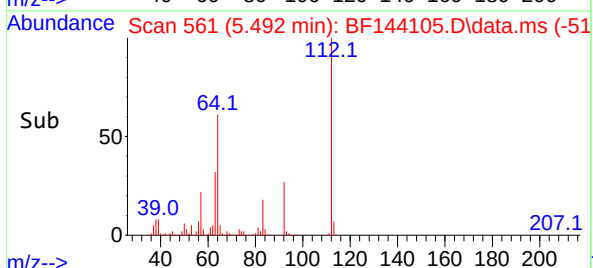
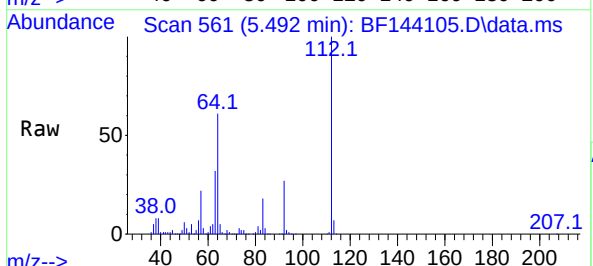
Manual Integrations
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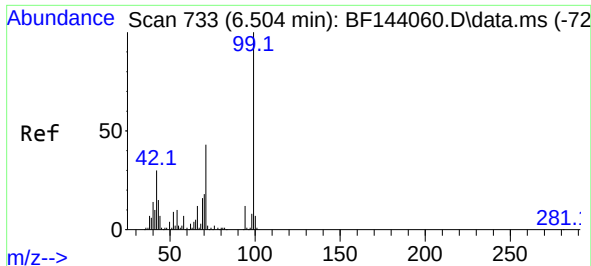
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#5
2-Fluorophenol
Concen: 63.480 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

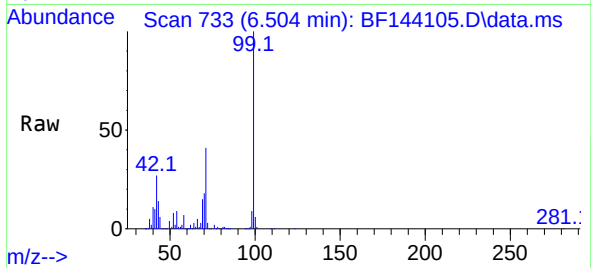
Tgt Ion:112 Resp: 252283
Ion Ratio Lower Upper
112 100
64 60.7 49.8 74.8
63 32.0 27.4 41.2





#7
Phenol-d6
Concen: 65.554 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

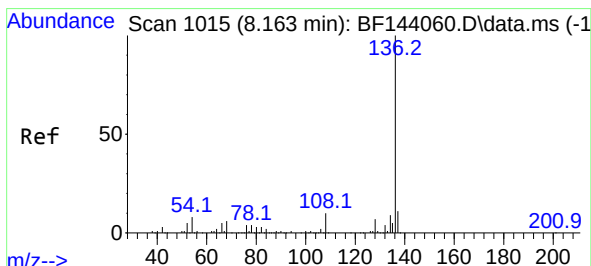
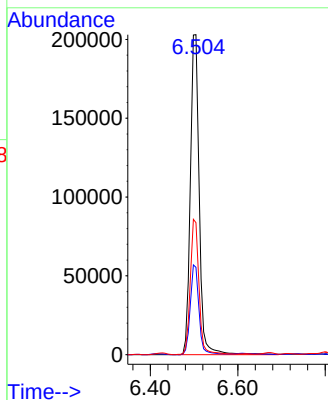
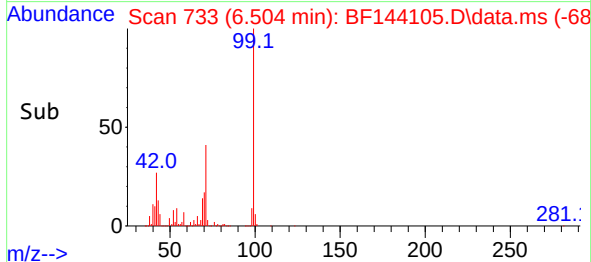
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion: 99 Resp: 287720
Ion Ratio Lower Upper
99 100
42 27.3 23.9 35.9
71 41.3 34.4 51.6

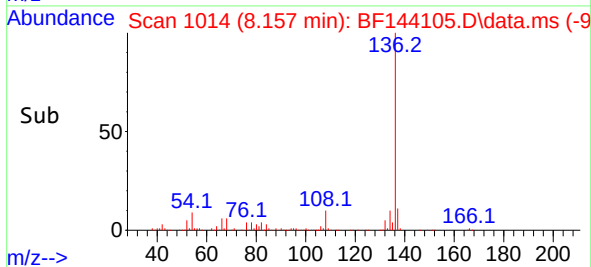
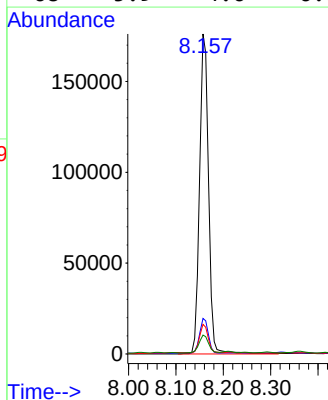
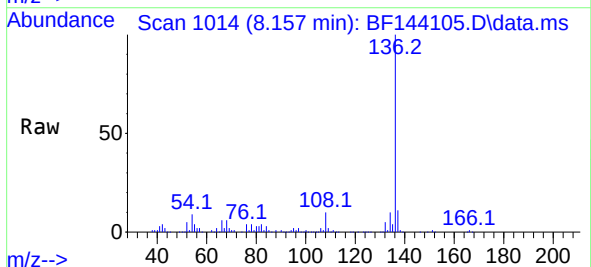
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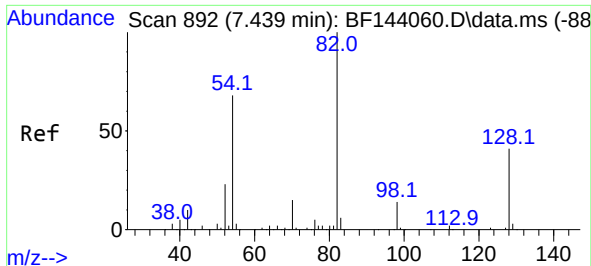
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

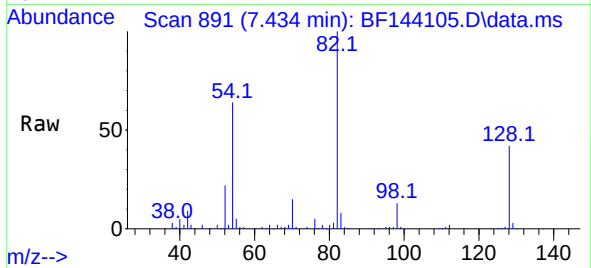
Tgt Ion:136 Resp: 232905
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 6.6 9.8
68 5.9 4.6 6.8





#23
Nitrobenzene-d5
Concen: 41.390 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

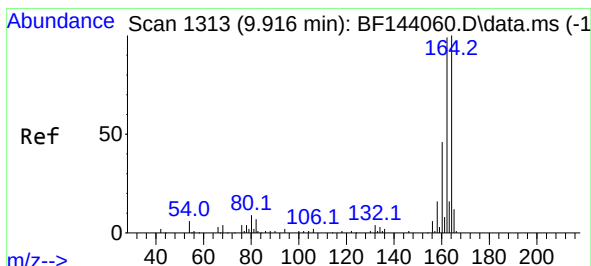
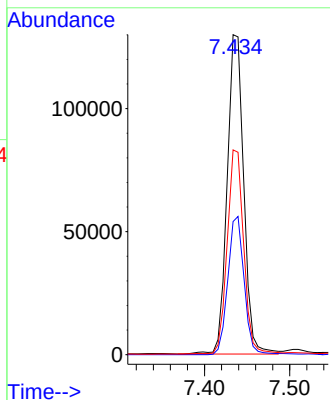
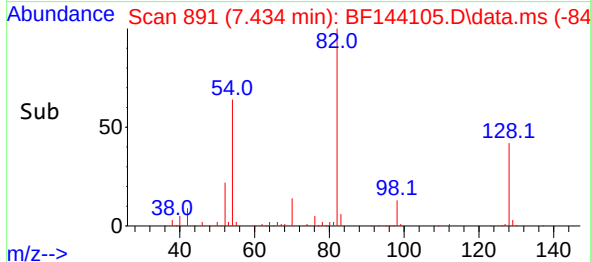
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion: 82 Resp: 17595
Ion Ratio Lower Upper
82 100
128 41.6 32.4 48.6
54 64.0 54.0 81.0

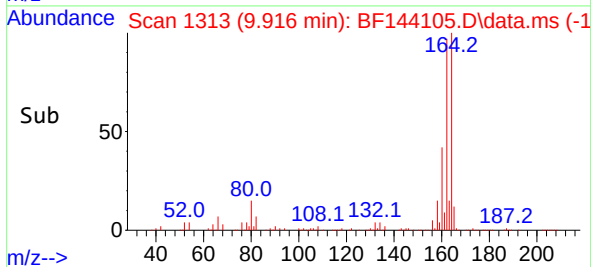
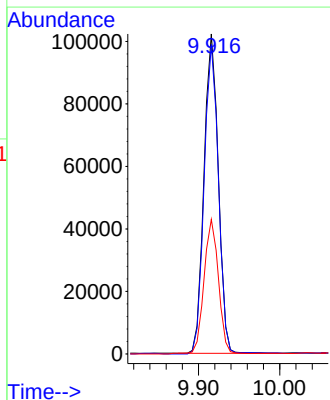
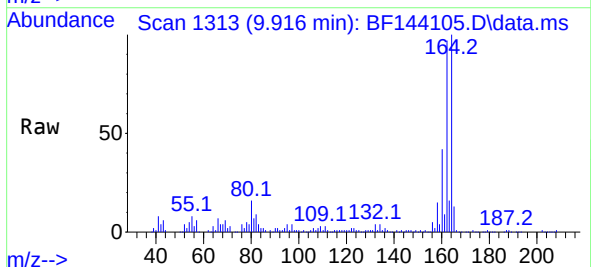
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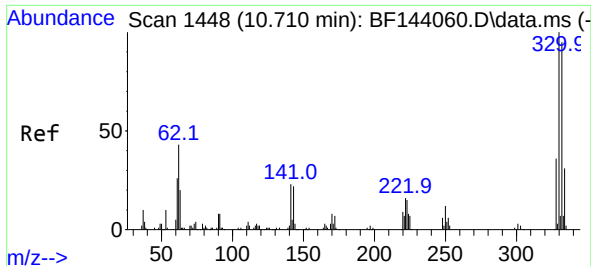
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

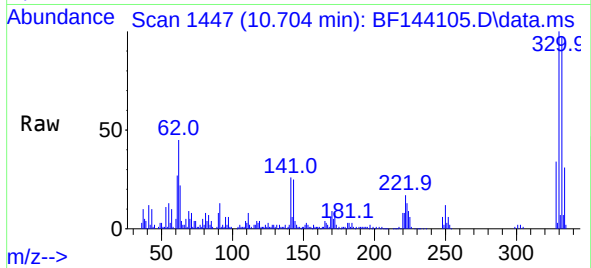
Tgt Ion:164 Resp: 124644
Ion Ratio Lower Upper
164 100
162 96.7 79.4 119.2
160 42.0 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 54.329 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

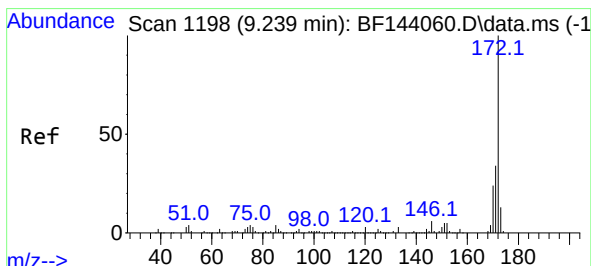
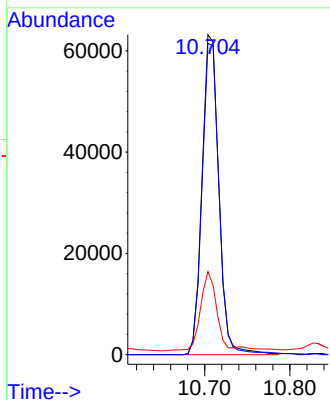
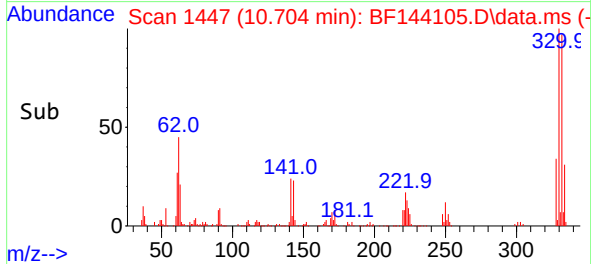
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion: 330 Resp: 86260
Ion Ratio Lower Upper
330 100
332 98.4 77.0 115.6
141 23.5 19.4 29.0

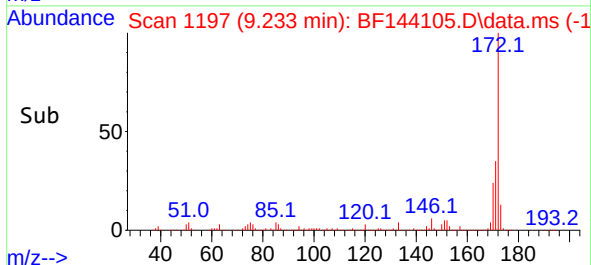
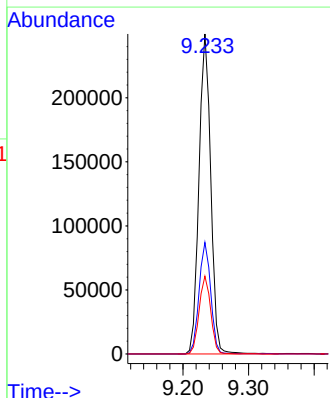
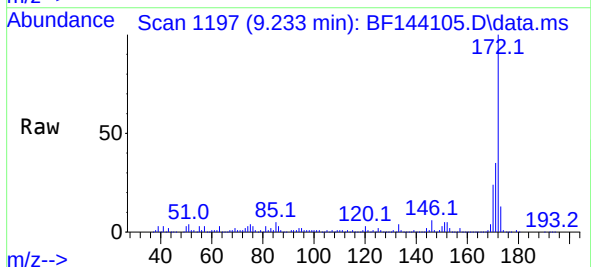
Manual Integrations
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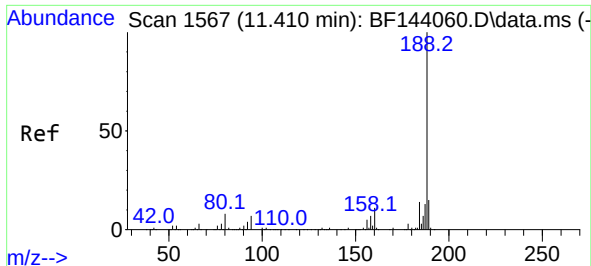
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#45
2-Fluorobiphenyl
Concen: 35.272 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

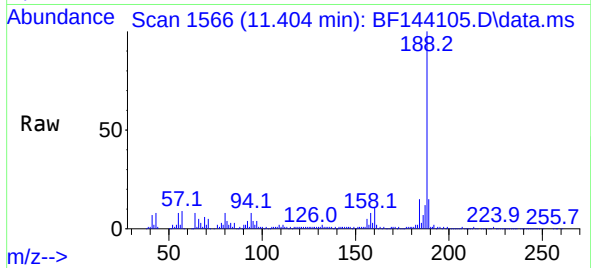
Tgt Ion: 172 Resp: 312425
Ion Ratio Lower Upper
172 100
171 34.8 27.5 41.3
170 24.3 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

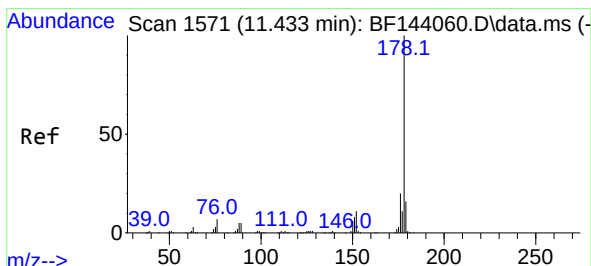
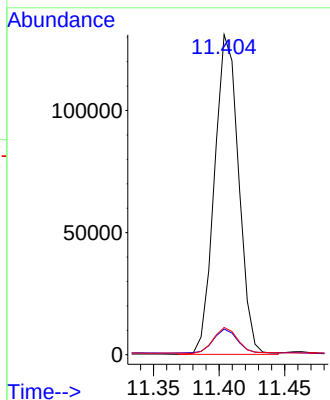
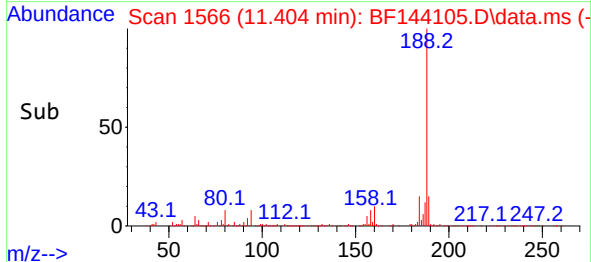
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



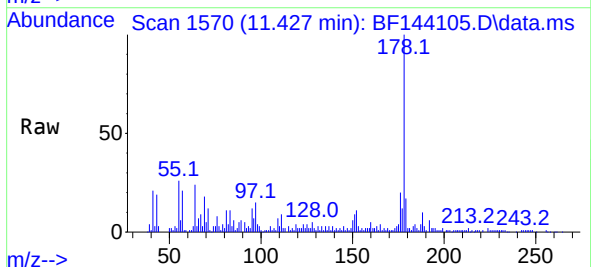
Tgt Ion:188 Resp: 16781
Ion Ratio Lower Upper
188 100
94 8.0 5.4 8.0
80 8.5 6.0 9.0

Manual Integrations
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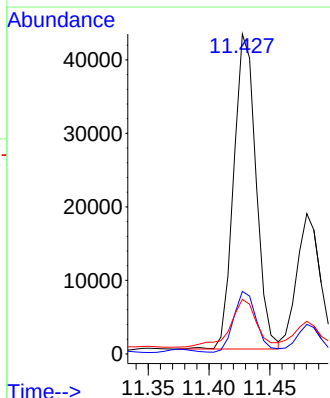
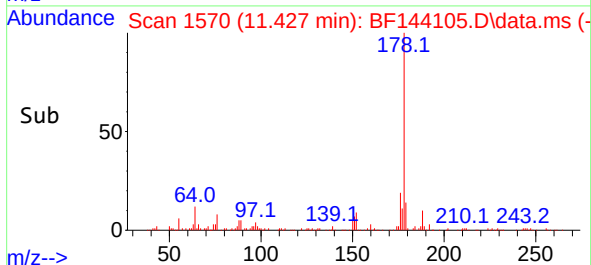
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

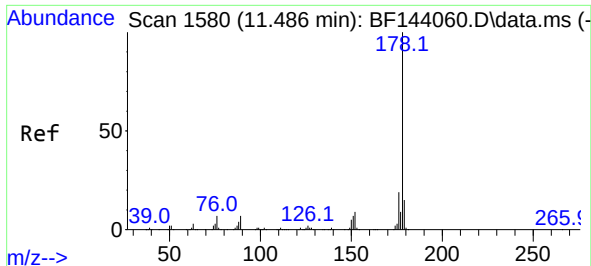


#71
Phenanthrene
Concen: 6.543 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14



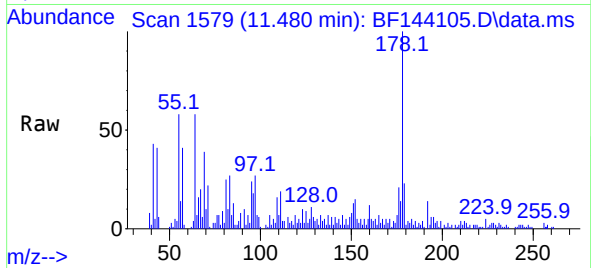
Tgt Ion:178 Resp: 54546
Ion Ratio Lower Upper
178 100
176 19.6 16.3 24.5
179 17.0 12.6 18.8





#72
 Anthracene
 Concen: 2.595 ng m
 RT: 11.480 min Scan# 11480
 Delta R.T. -0.006 min
 Lab File: BF144105.D
 Acq: 28 Oct 2025 17:14

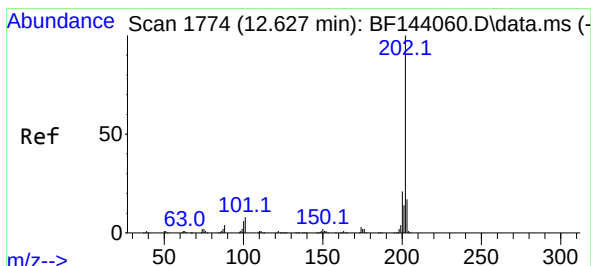
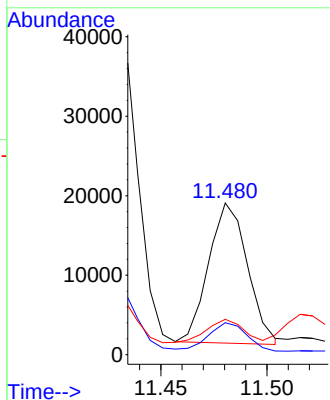
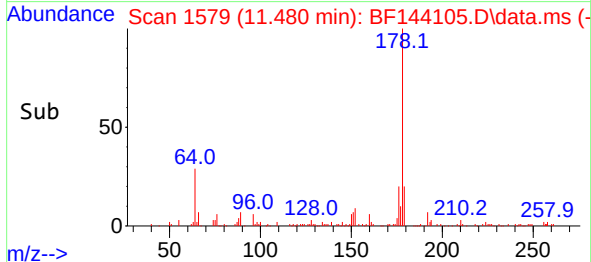
Instrument :
 BNA_F
 ClientSampleId :
 PR132-S16-119133-20251021



Tgt Ion:178 Resp: 22350
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.0 22.4
 179 23.3 11.8 17.6

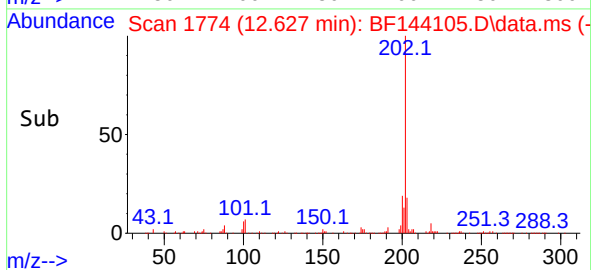
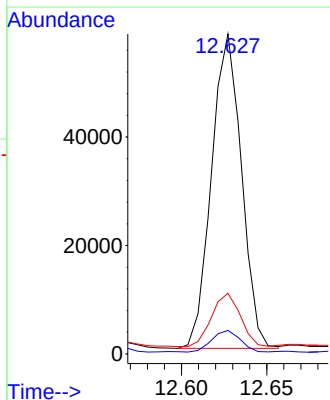
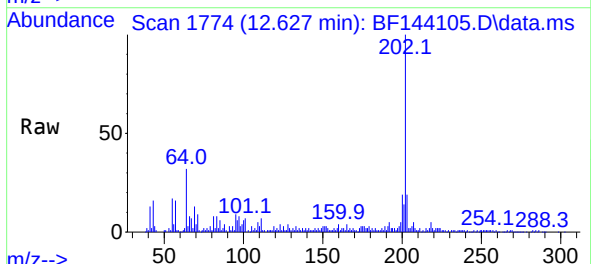
Manual Integrations
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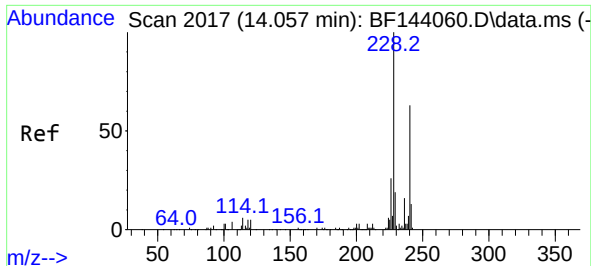
Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :Jagrut Upadhyay 10/29/2025



#75
 Fluoranthene
 Concen: 7.709 ng
 RT: 12.627 min Scan# 1774
 Delta R.T. -0.000 min
 Lab File: BF144105.D
 Acq: 28 Oct 2025 17:14

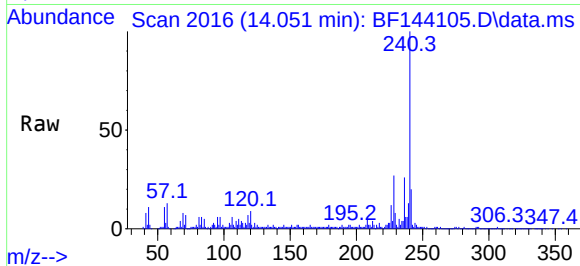
Tgt Ion:202 Resp: 71005
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 27.7
 203 18.9 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

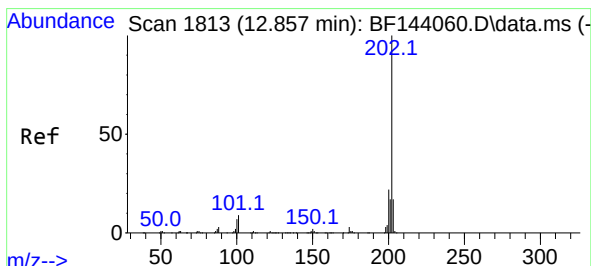
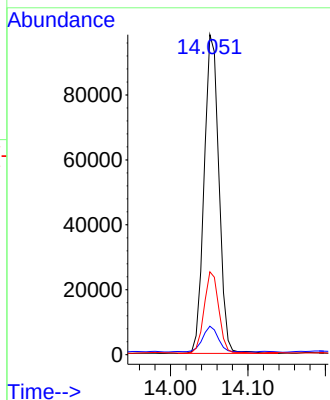
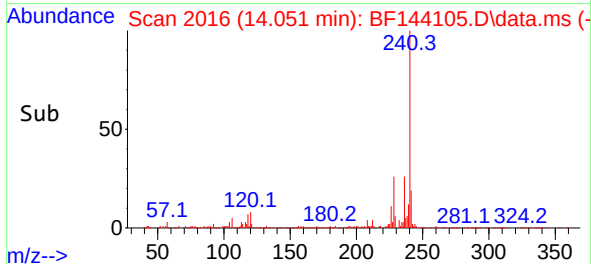
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion:240 Resp: 12976
Ion Ratio Lower Upper
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120 8.9 6.5 9.7
236 25.9 20.1 30.1

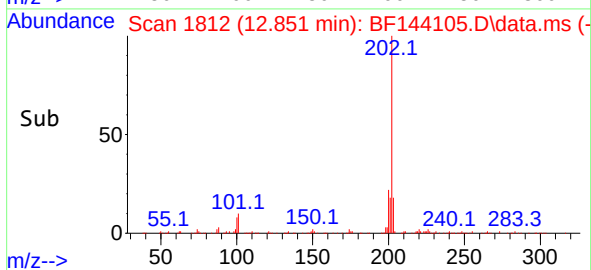
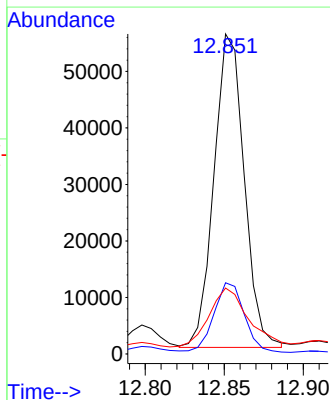
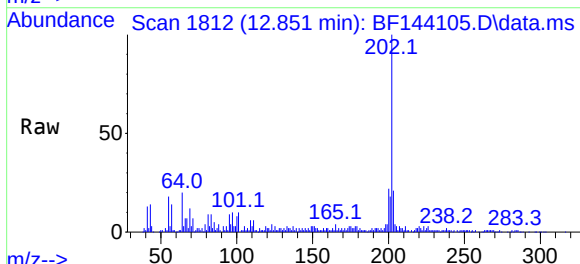
Manual Integrations
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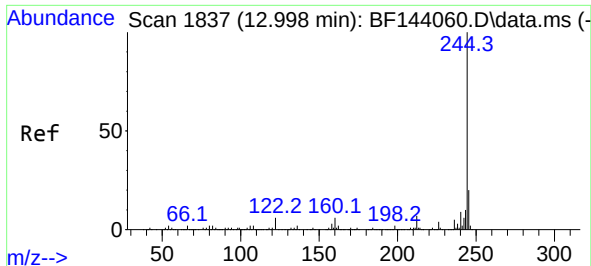
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#78
Pyrene
Concen: 7.930 ng m
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

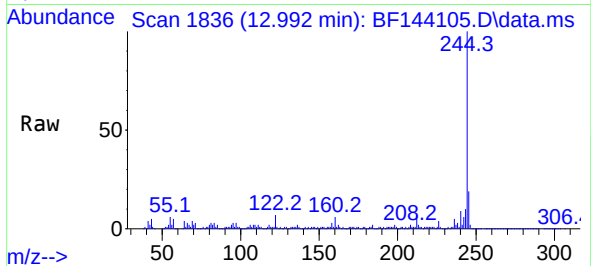
Tgt Ion:202 Resp: 73983
Ion Ratio Lower Upper
202 100
200 22.2 17.2 25.8
203 20.6 13.5 20.3#





#79
Terphenyl-d14
Concen: 30.692 ng
RT: 12.992 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

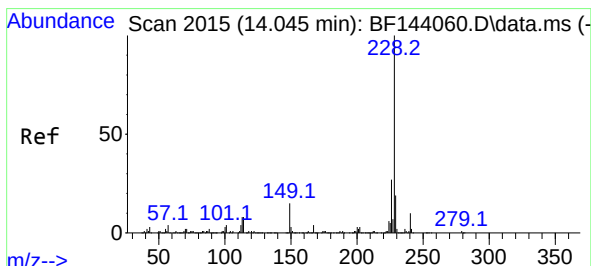
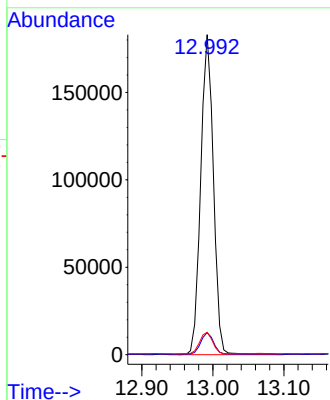
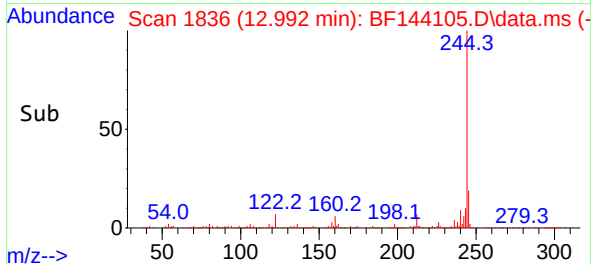
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



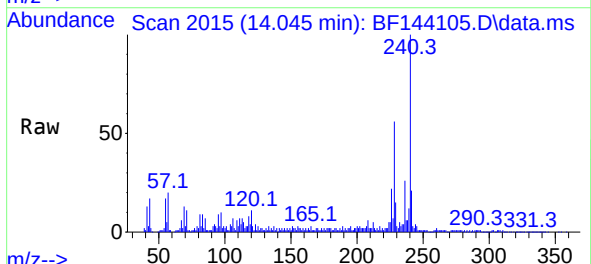
Tgt Ion:244 Resp: 22781
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 7.0 4.9 7.3

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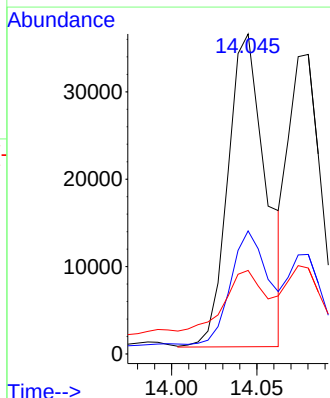
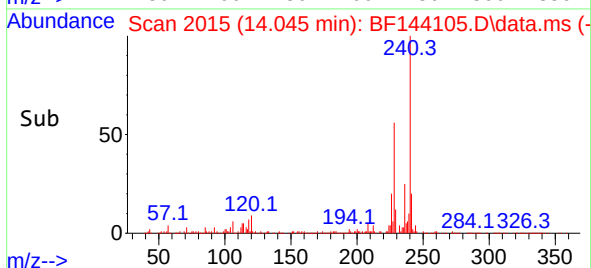
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

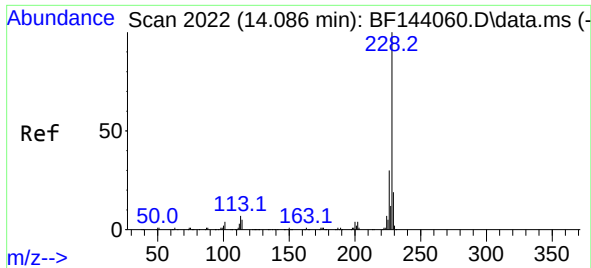


#81
Benzo(a)anthracene
Concen: 6.311 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14



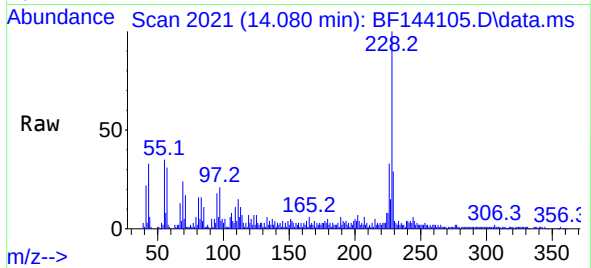
Tgt Ion:228 Resp: 55346
Ion Ratio Lower Upper
228 100
226 38.4 21.4 32.2#
229 26.1 15.3 22.9#





#83
Chrysene
Concen: 5.464 ng
RT: 14.080 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

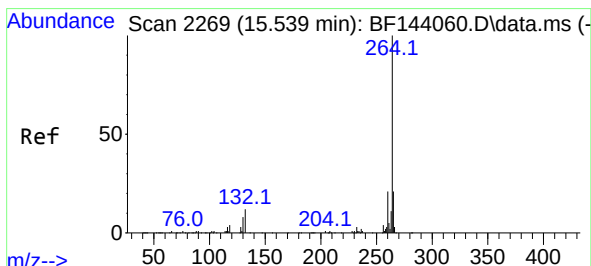
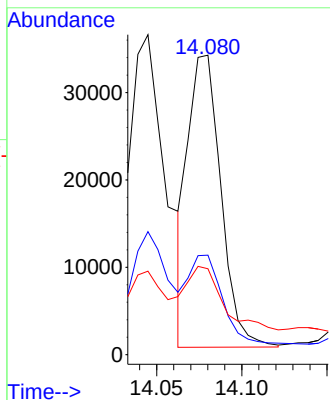
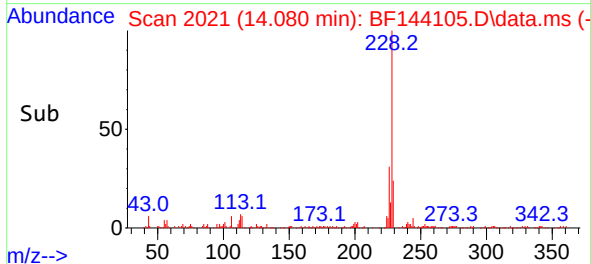
Instrument : BNA_F
ClientSampleId : PR132-S16-119133-20251021



Tgt Ion:228 Resp: 44968
Ion Ratio Lower Upper
228 100
226 33.2 23.8 35.6
229 28.7 15.6 23.4

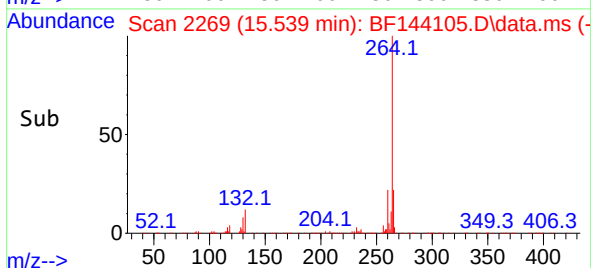
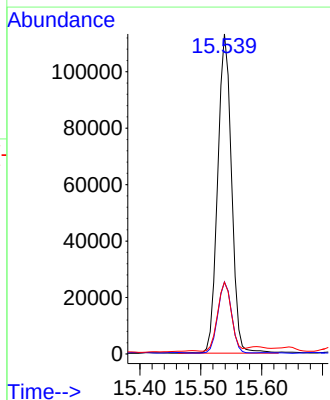
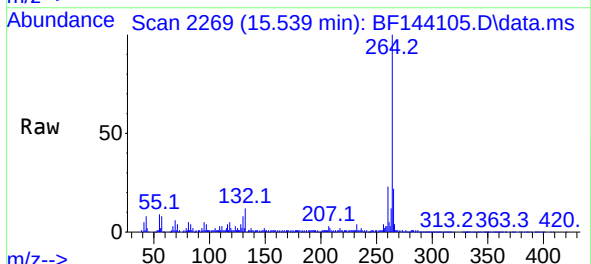
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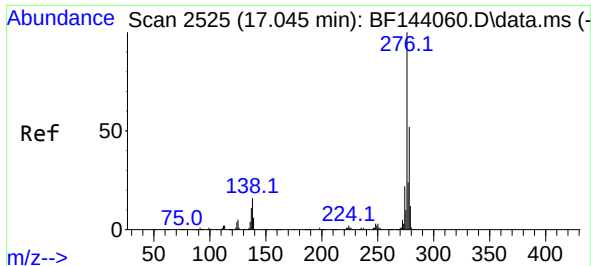
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

Tgt Ion:264 Resp: 179006
Ion Ratio Lower Upper
264 100
260 22.5 17.0 25.4
265 22.5 16.6 24.8





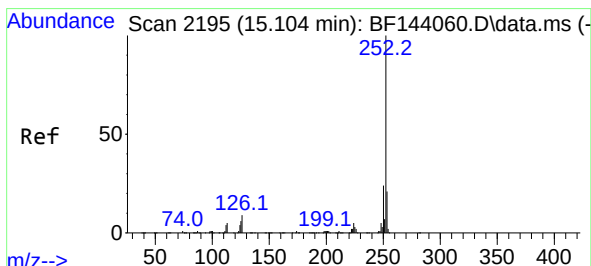
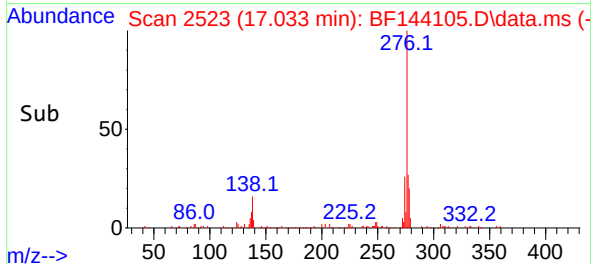
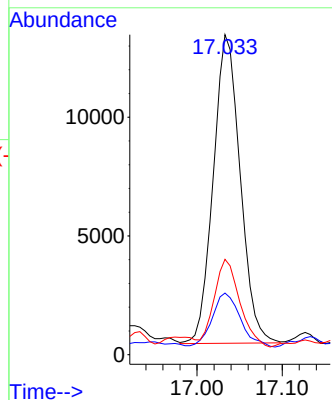
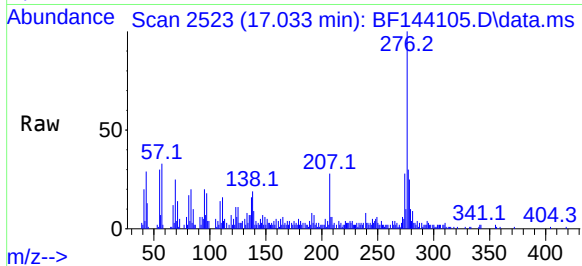
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.322 ng
RT: 17.033 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

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

Tgt Ion:276 Resp: 2854
Ion Ratio Lower Upper
276 100
138 18.3 13.0 19.6
277 26.8 19.4 29.0

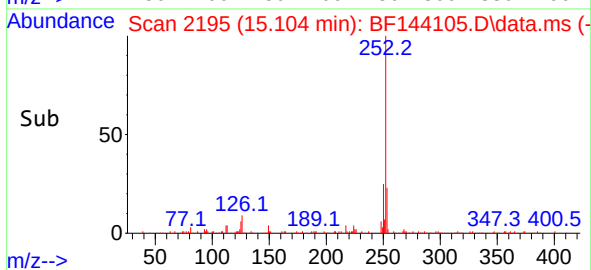
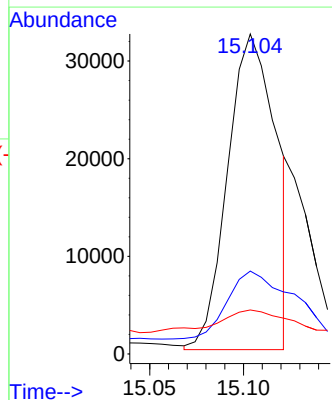
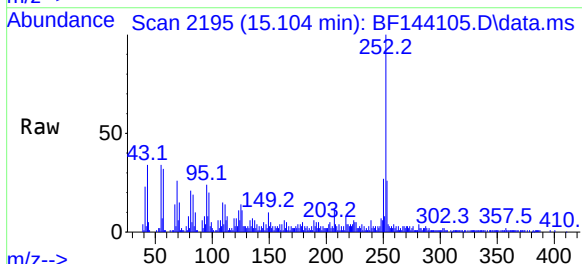
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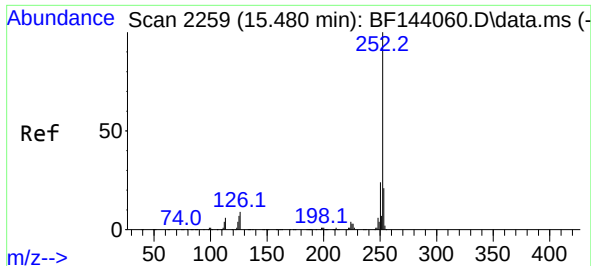
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#88
Benzo(b)fluoranthene
Concen: 5.758 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

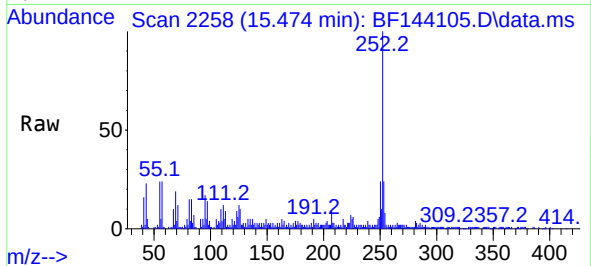
Tgt Ion:252 Resp: 58266
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8#
125 13.8 5.0 7.6#





#90
Benzo(a)pyrene
Concen: 6.005 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

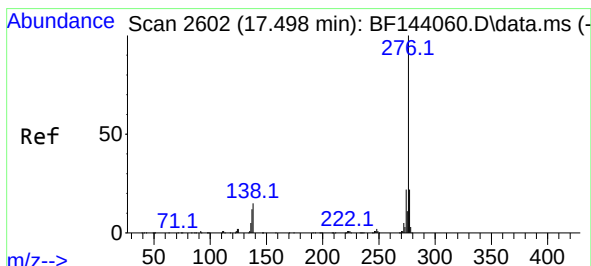
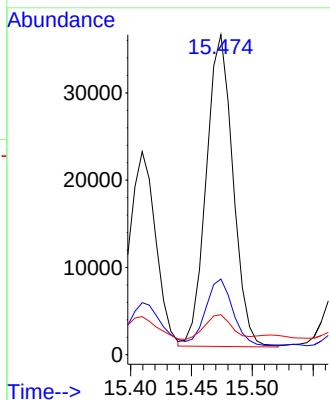
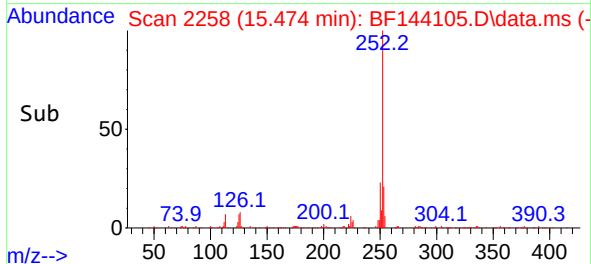
Instrument :
BNA_F
ClientSampleId :
PR132-S16-119133-20251021



Tgt Ion:252 Resp: 54520
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 12.5 5.4 8.2

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Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#92
Benzo(g,h,i)perylene
Concen: 3.130 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.006 min
Lab File: BF144105.D
Acq: 28 Oct 2025 17:14

Tgt Ion:276 Resp: 30614
Ion Ratio Lower Upper
276 100
277 25.8 17.9 26.9
138 16.5 12.0 18.0

