

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
 Data File : BF143994.D
 Acq On : 17 Oct 2025 19:41
 Operator : RC/JU
 Sample : Q3363-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-SO3-010013-20251015

Quant Time: Oct 20 11:13:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	95256	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	358249	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	180230	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	275607	20.000	ng	0.00
76) Chrysene-d12	14.057	240	207243	20.000	ng	-0.01
86) Perylene-d12	15.545	264	275767	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	391537	65.272	ng	0.00
7) Phenol-d6	6.498	99	463866	64.876	ng	-0.02
23) Nitrobenzene-d5	7.439	82	231928	39.332	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	79717	44.407	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	397515	34.997	ng	-0.01
79) Terphenyl-d14	12.998	244	333237	27.481	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	59711	4.469	ng	97
72) Anthracene	11.486	178	27202m	2.015	ng	
75) Fluoranthene	12.627	202	78903	5.717	ng	98
78) Pyrene	12.857	202	93212	5.395	ng	97
81) Benzo(a)anthracene	14.051	228	71493	5.272	ng	# 85
83) Chrysene	14.086	228	58705	4.677	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.039	276	36806	2.178	ng	97
88) Benzo(b)fluoranthene	15.110	252	75320m	4.755	ng	
90) Benzo(a)pyrene	15.480	252	69118	5.032	ng	# 89
92) Benzo(g,h,i)perylene	17.498	276	35340	2.600	ng	95

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

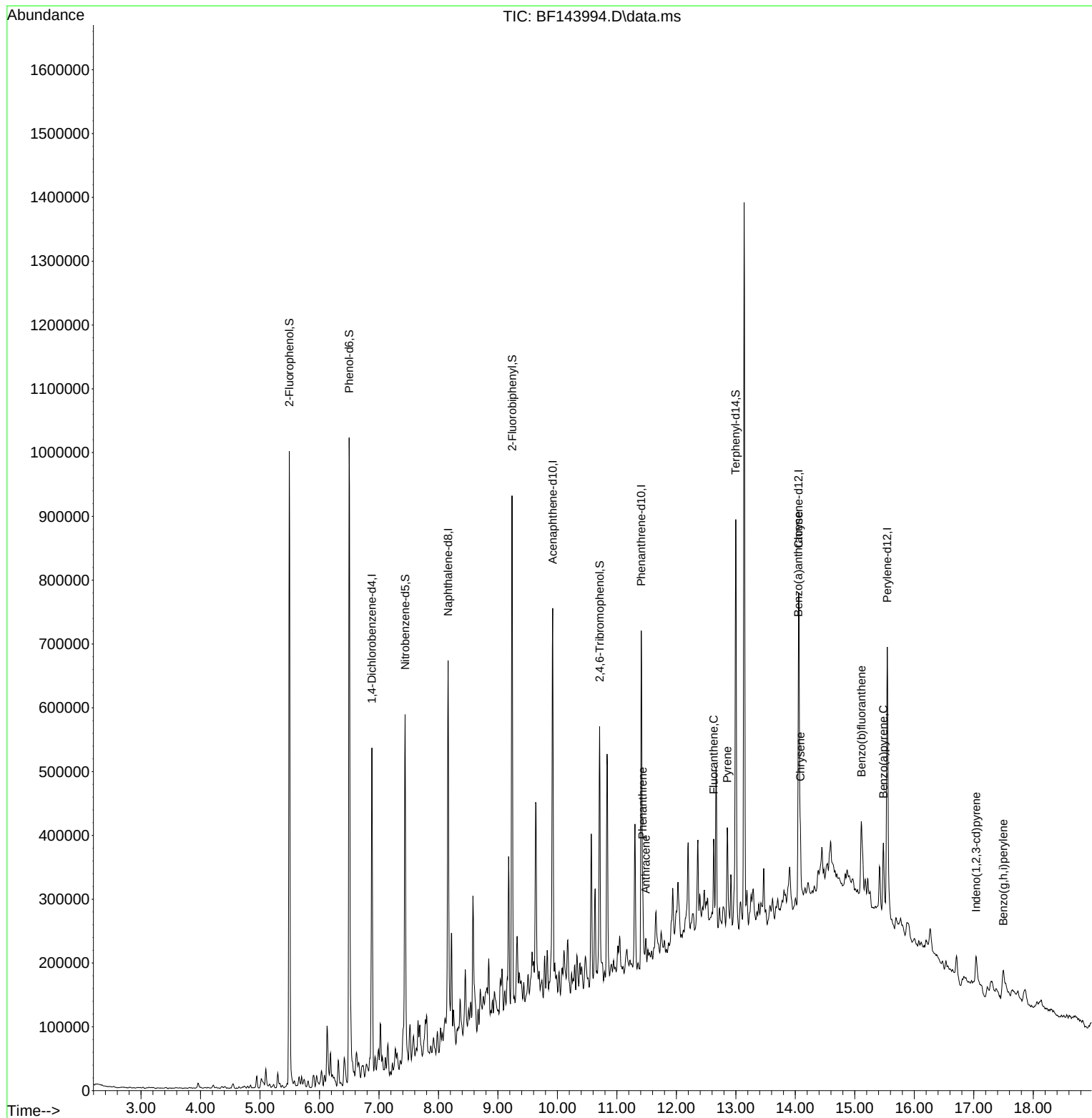
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
Data File : BF143994.D
Acq On : 17 Oct 2025 19:41
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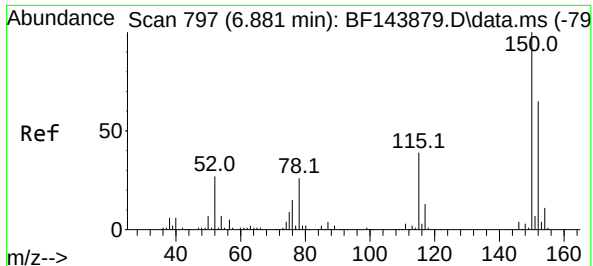
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Quant Time: Oct 20 11:13:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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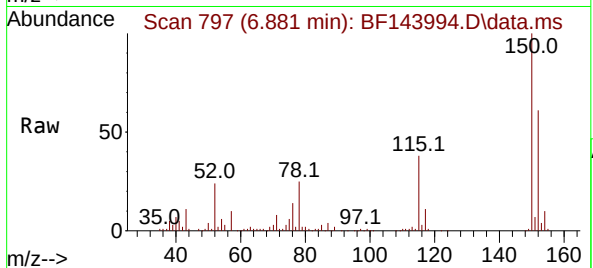
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Supervised By :Jagrut Upadhyay 10/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

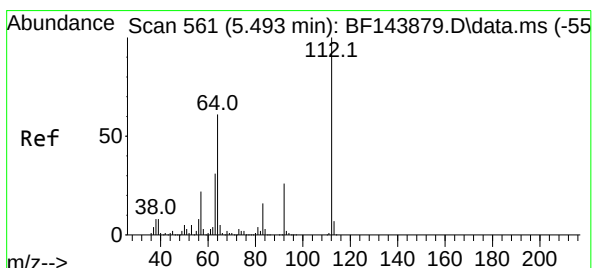
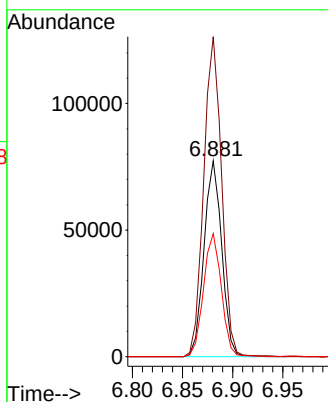
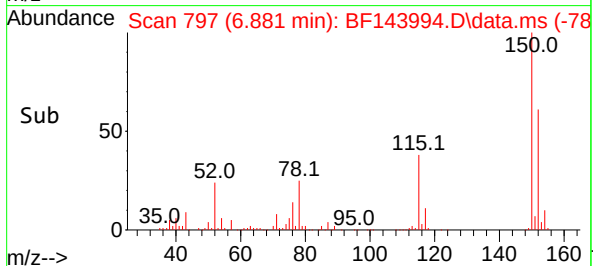
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015



Tgt Ion:152 Resp: 95250
Ion Ratio Lower Upper
152 100
150 163.4 124.4 186.6
115 62.9 48.1 72.1

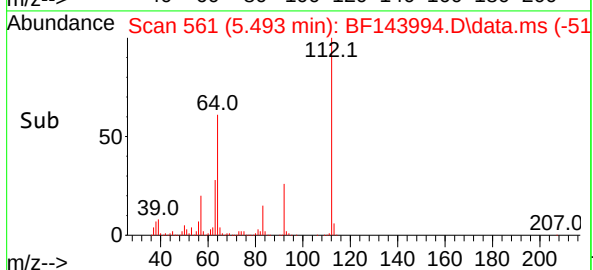
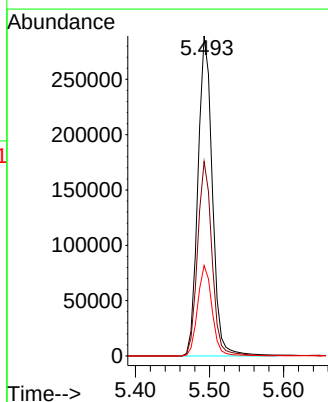
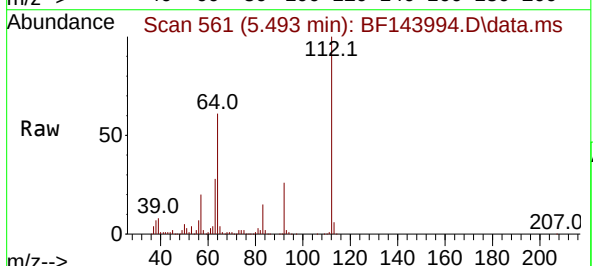
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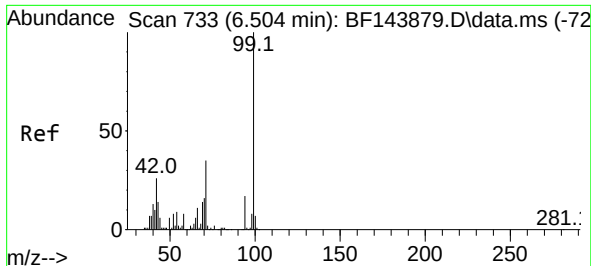
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#5
2-Fluorophenol
Concen: 65.272 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

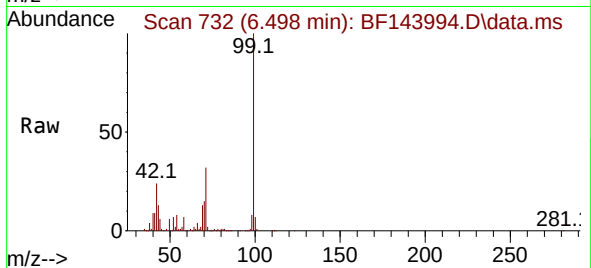
Tgt Ion:112 Resp: 391537
Ion Ratio Lower Upper
112 100
64 60.8 49.1 73.7
63 28.3 24.5 36.7





#7
Phenol-d6
Concen: 64.876 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

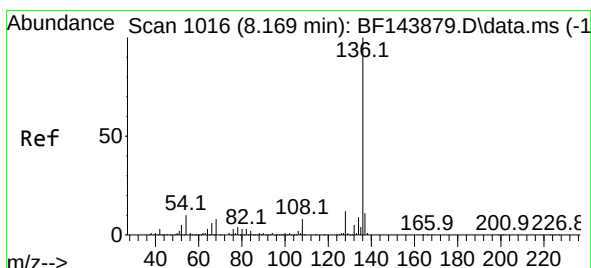
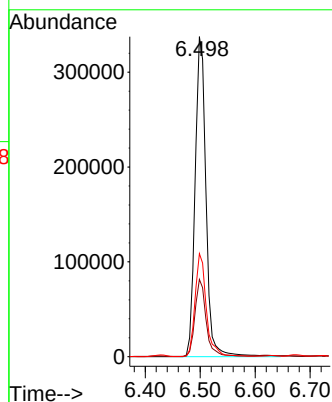
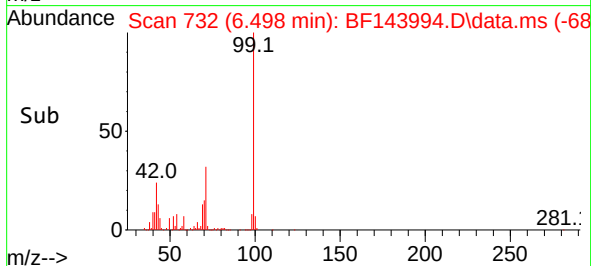
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015



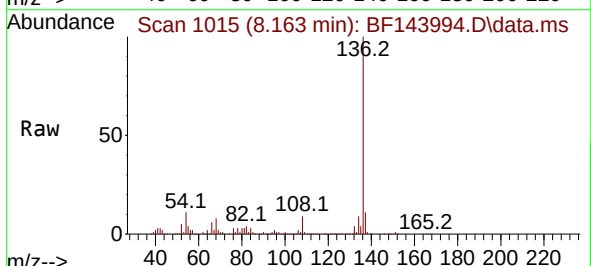
Tgt Ion: 99 Resp: 463860
Ion Ratio Lower Upper
99 100
42 24.2 21.0 31.4
71 32.2 27.8 41.8

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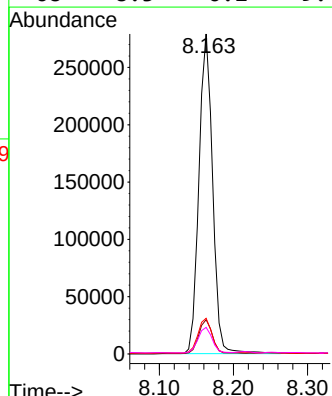
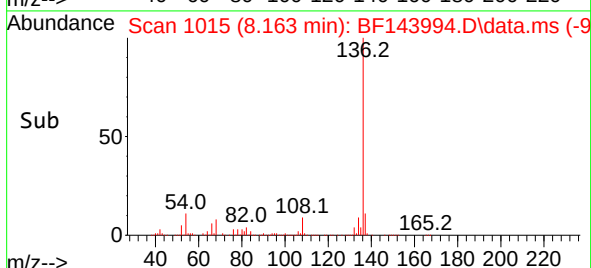
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Supervised By :Jagrut Upadhyay 10/20/2025

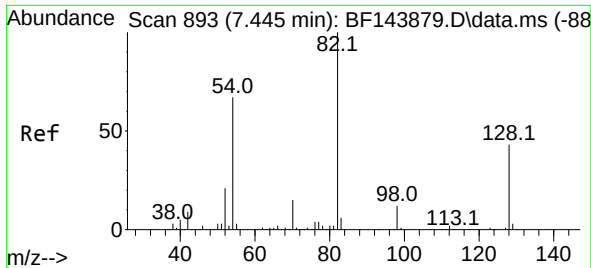


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41



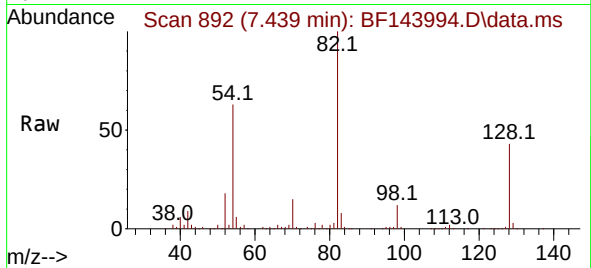
Tgt Ion:136 Resp: 358249
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 11.2 8.2 12.4
68 8.3 6.2 9.4





#23
Nitrobenzene-d5
Concen: 39.332 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

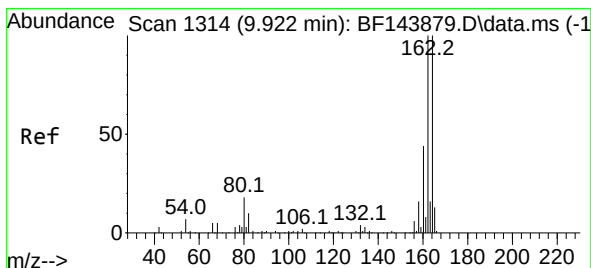
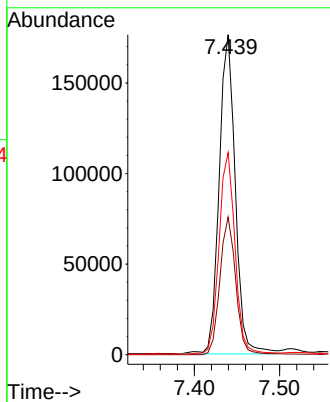
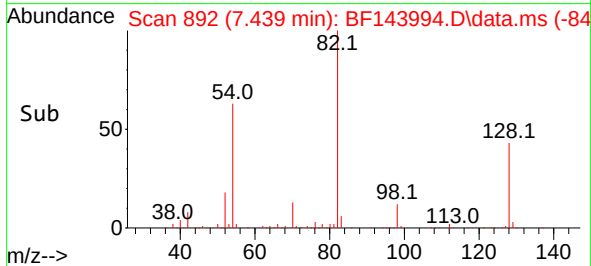
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015



Tgt Ion: 82 Resp: 231928
Ion Ratio Lower Upper
82 100
128 43.0 34.0 51.0
54 63.2 53.2 79.8

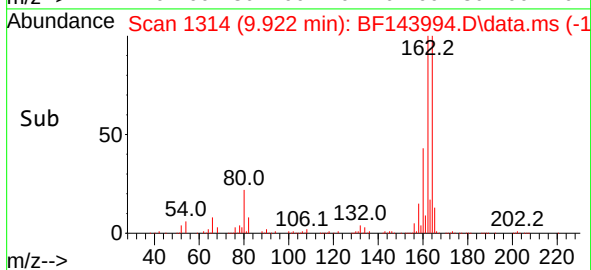
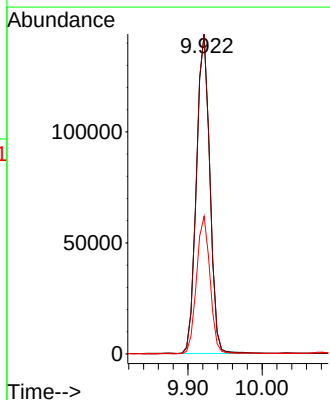
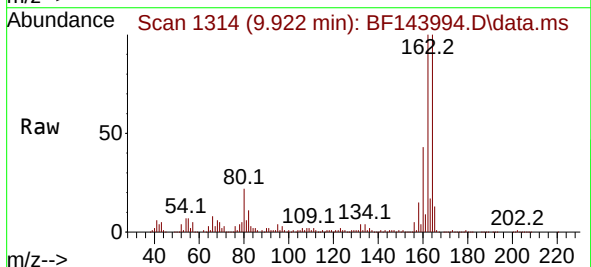
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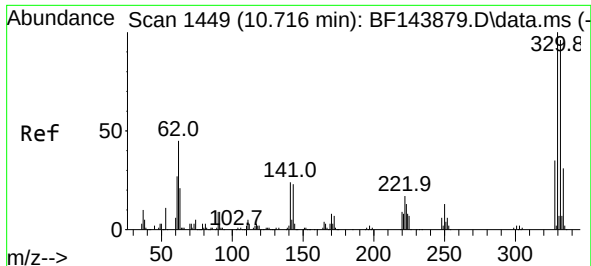
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

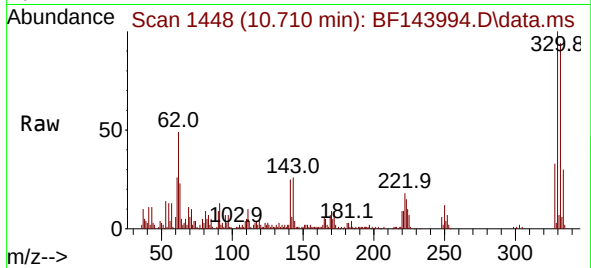
Tgt Ion:164 Resp: 180230
Ion Ratio Lower Upper
164 100
162 100.2 80.2 120.2
160 43.1 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 44.407 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

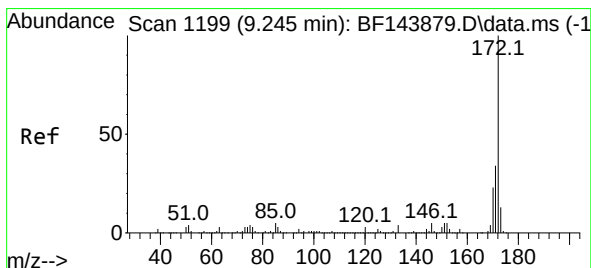
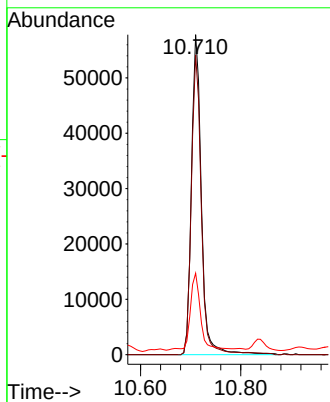
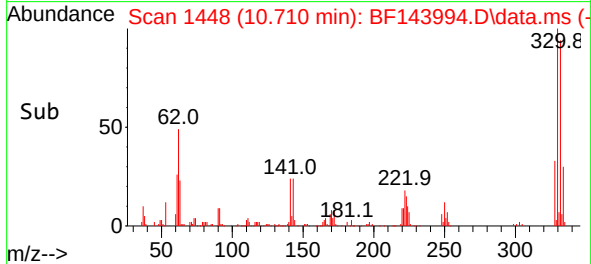
Instrument : BNA_F
ClientSampleId : PR132-SO3-010013-20251015



Tgt Ion: 330 Resp: 7971
Ion Ratio Lower Upper
330 100
332 94.2 76.9 115.3
141 24.9 20.2 30.4

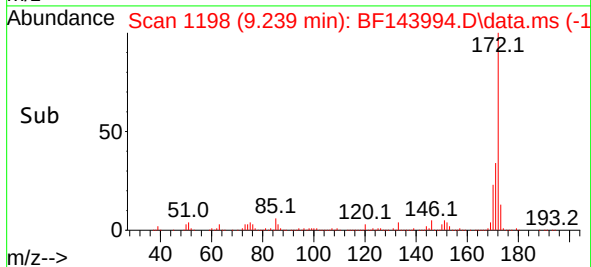
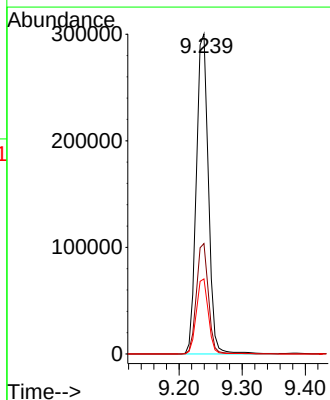
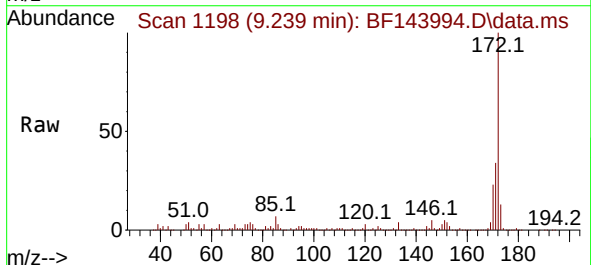
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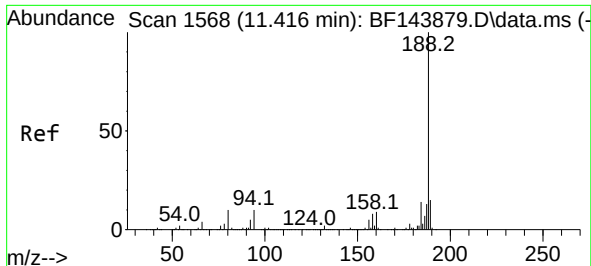
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#45
2-Fluorobiphenyl
Concen: 34.997 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Tgt Ion: 172 Resp: 397515
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.0
170 23.4 18.6 28.0





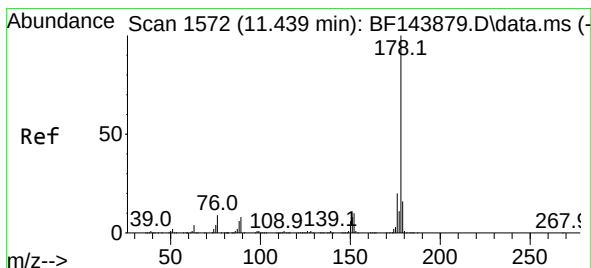
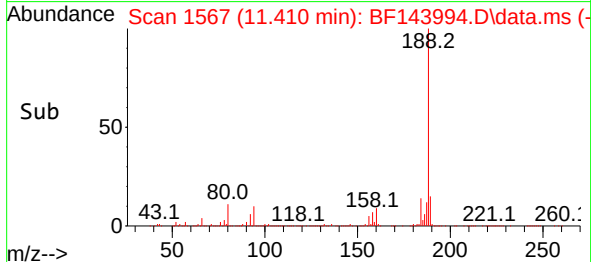
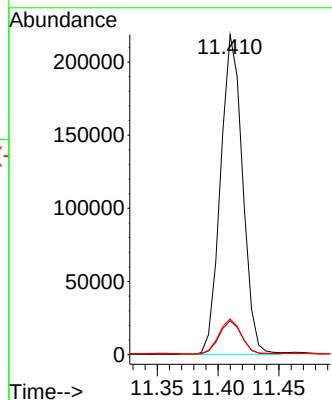
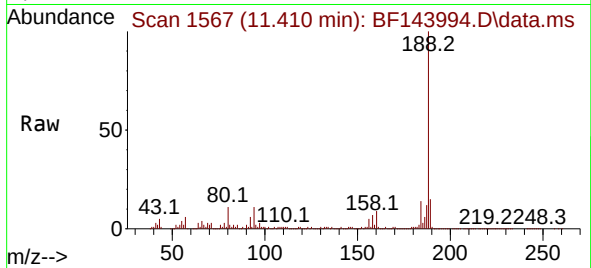
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015

Tgt Ion:188 Resp: 27560
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.2 7.9 11.9

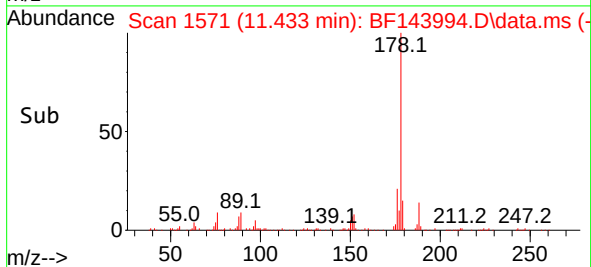
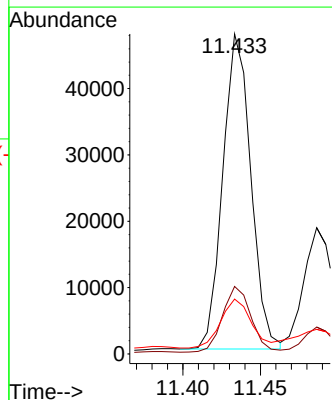
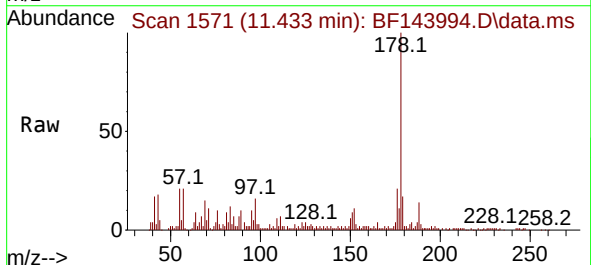
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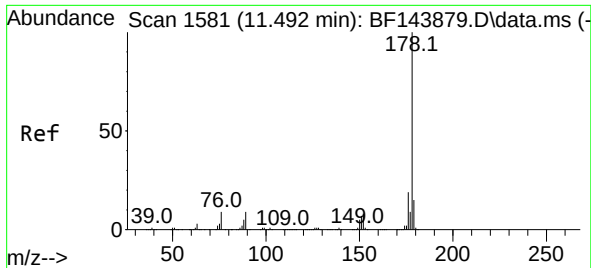
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#71
Phenanthrene
Concen: 4.469 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

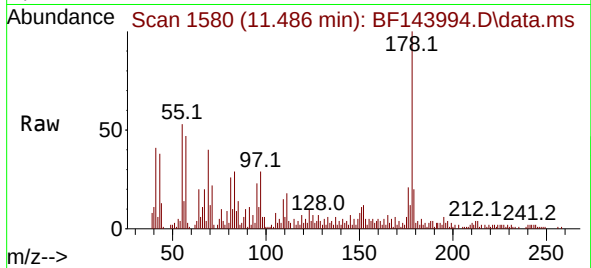
Tgt Ion:178 Resp: 59711
Ion Ratio Lower Upper
178 100
176 21.1 15.9 23.9
179 17.2 12.4 18.6





#72
 Anthracene
 Concen: 2.015 ng m
 RT: 11.486 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF143994.D
 Acq: 17 Oct 2025 19:41

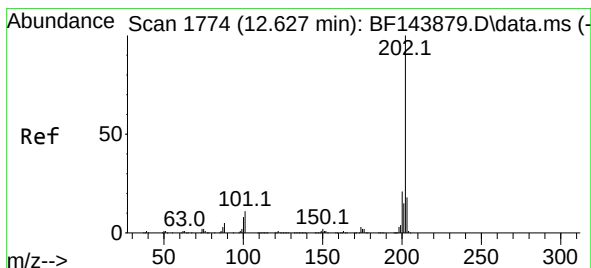
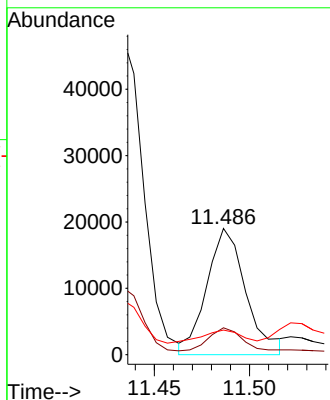
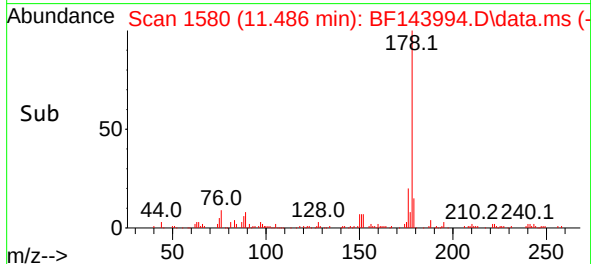
Instrument : BNA_F
 ClientSampleId : PR132-SO3-010013-20251015



Tgt Ion:178 Resp: 2720
 Ion Ratio Lower Upper
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 176 21.3 14.9 22.3
 179 19.6 12.2 18.2

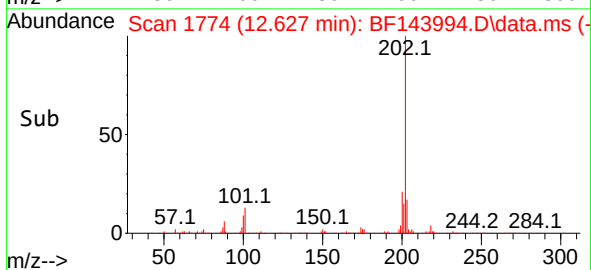
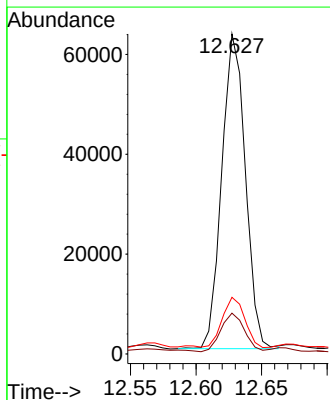
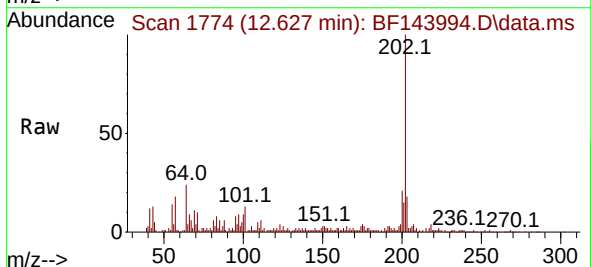
Manual Integrations
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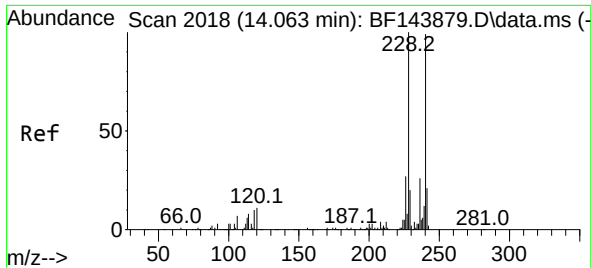
Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025



#75
 Fluoranthene
 Concen: 5.717 ng
 RT: 12.627 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: BF143994.D
 Acq: 17 Oct 2025 19:41

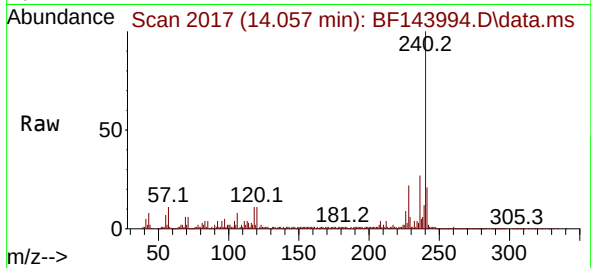
Tgt Ion:202 Resp: 78903
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 30.7
 203 17.7 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

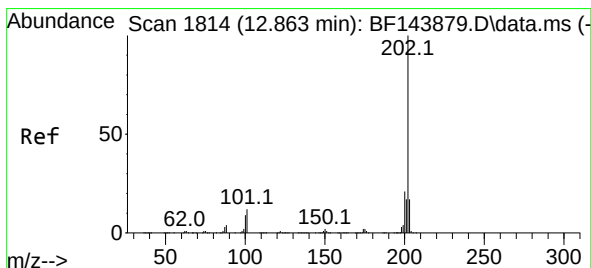
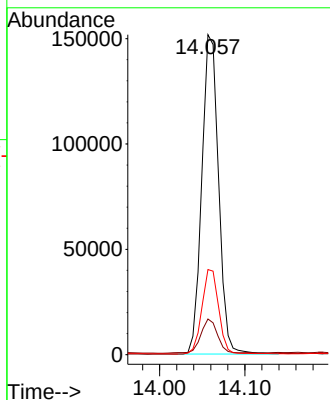
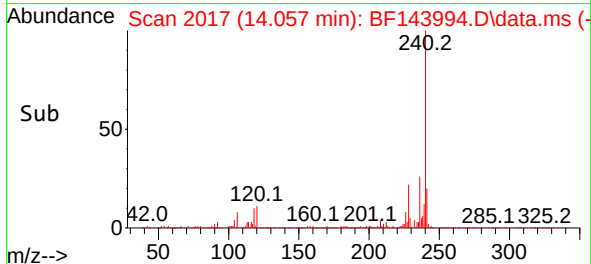
Instrument :
BNA_F
ClientSampleId :
PR132-SO3-010013-20251015



Tgt Ion:240 Resp: 20724
Ion Ratio Lower Upper
240 100
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236 26.6 21.1 31.7

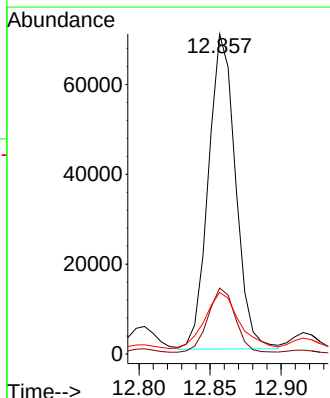
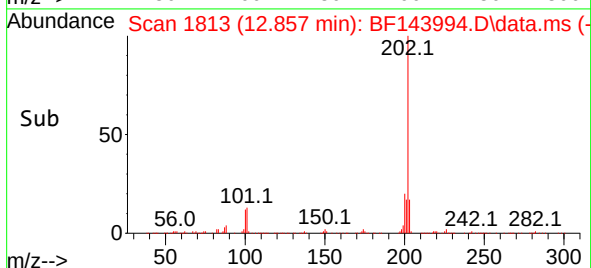
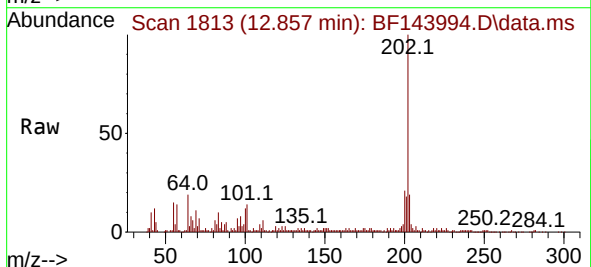
Manual Integrations
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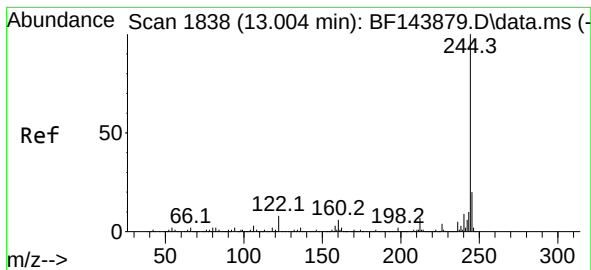
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#78
Pyrene
Concen: 5.395 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143994.D
Acq: 17 Oct 2025 19:41

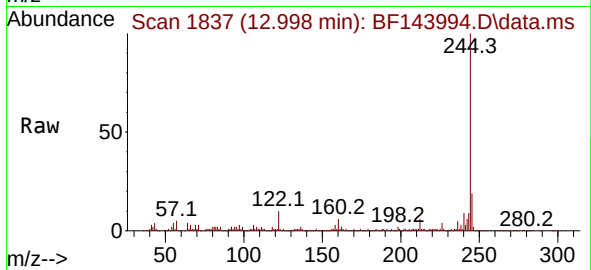
Tgt Ion:202 Resp: 93212
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 19.2 13.8 20.6





#79
 Terphenyl-d14
 Concen: 27.481 ng
 RT: 12.998 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF143994.D
 Acq: 17 Oct 2025 19:41

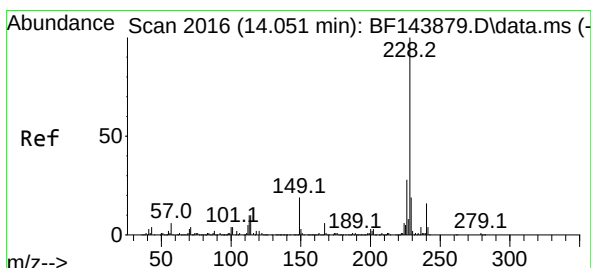
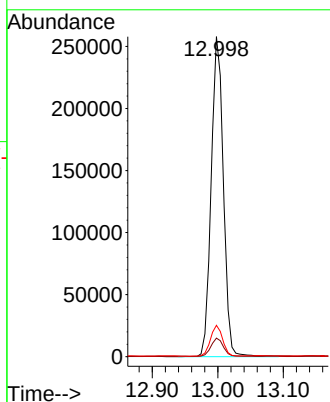
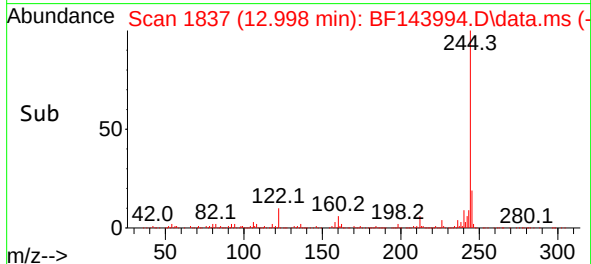
Instrument : BNA_F
 ClientSampleId : PR132-SO3-010013-20251015



Tgt Ion:244 Resp: 333237
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.4 8.0
 122 9.8 6.4 9.6

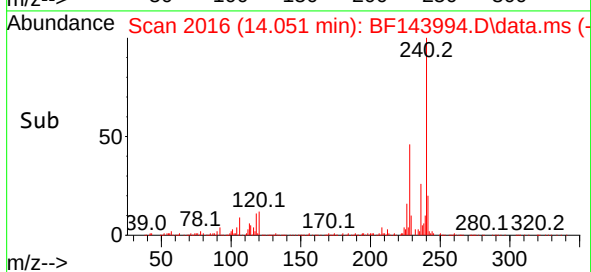
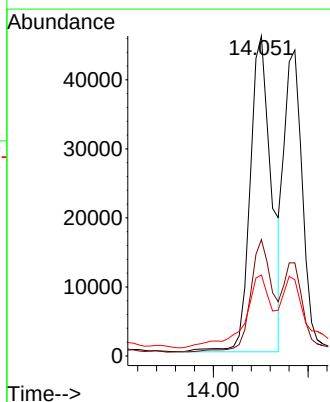
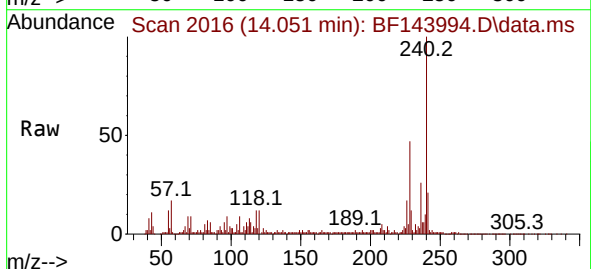
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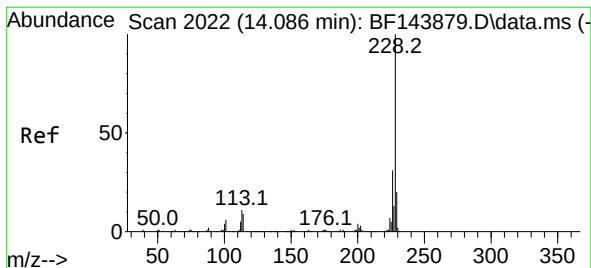
Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025



#81
 Benzo(a)anthracene
 Concen: 5.272 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF143994.D
 Acq: 17 Oct 2025 19:41

Tgt Ion:228 Resp: 71493
 Ion Ratio Lower Upper
 228 100
 226 36.4 22.2 33.2#
 229 25.3 15.6 23.4#





#83

Chrysene

Concen: 4.677 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143994.D

Acq: 17 Oct 2025 19:41

Instrument :

BNA_F

ClientSampleId :

PR132-SO3-010013-20251015

Tgt Ion:228 Resp: 5870

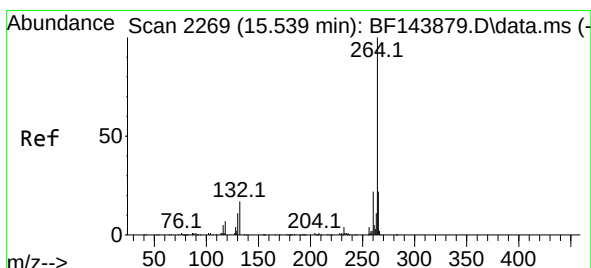
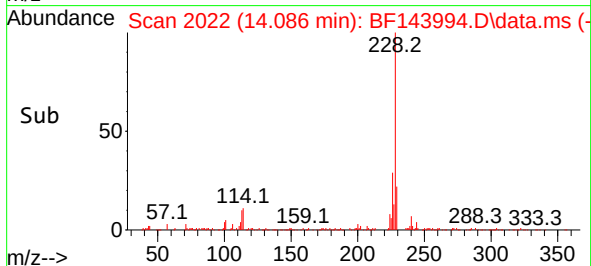
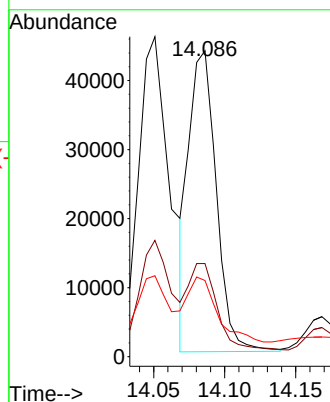
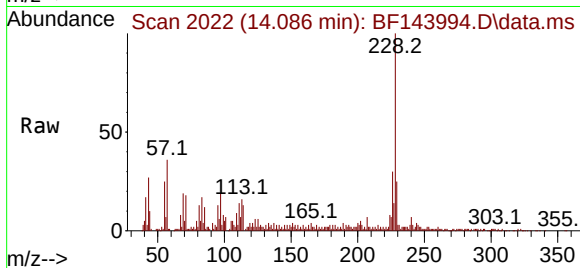
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	24.9	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/20/2025

Supervised By :Jagrut Upadhyay 10/20/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

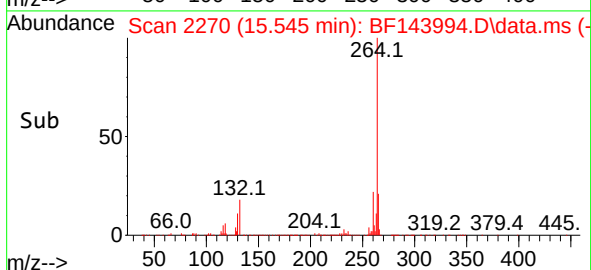
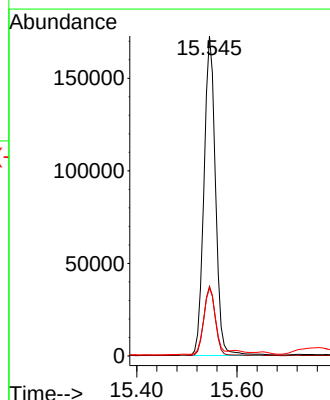
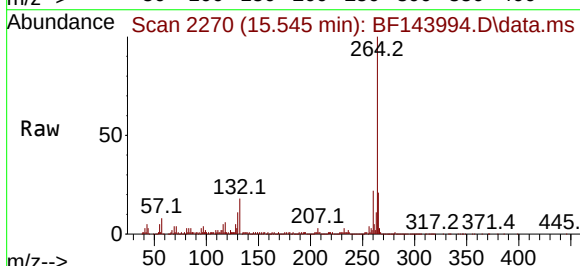
Delta R.T. 0.000 min

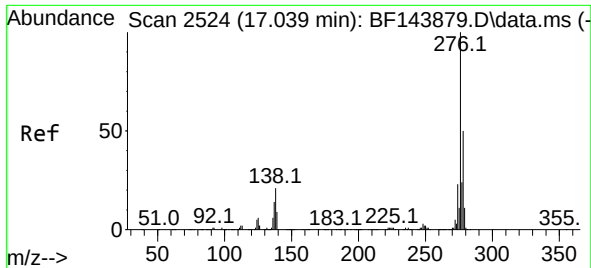
Lab File: BF143994.D

Acq: 17 Oct 2025 19:41

Tgt Ion:264 Resp: 275767

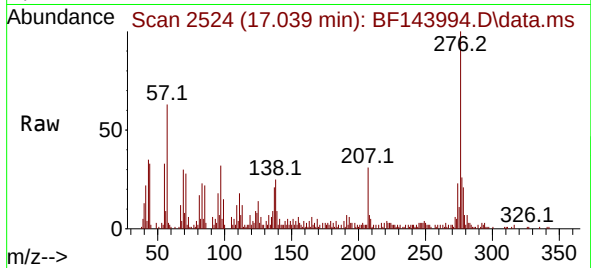
Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.8	26.8
265	21.2	17.5	26.3





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.178 ng
 RT: 17.039 min Scan# 2196
 Delta R.T. -0.018 min
 Lab File: BF143994.D
 Acq: 17 Oct 2025 19:41

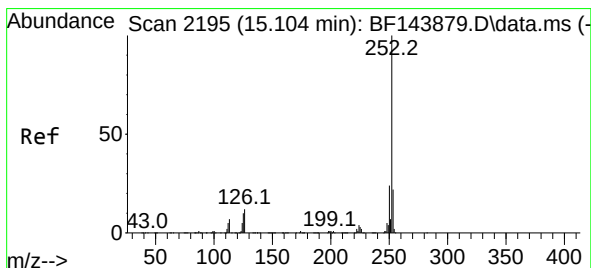
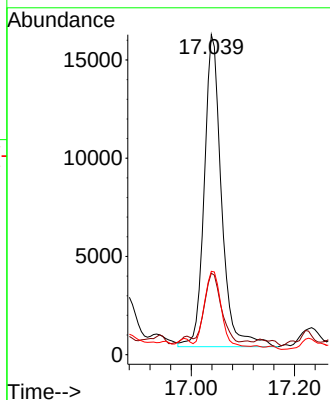
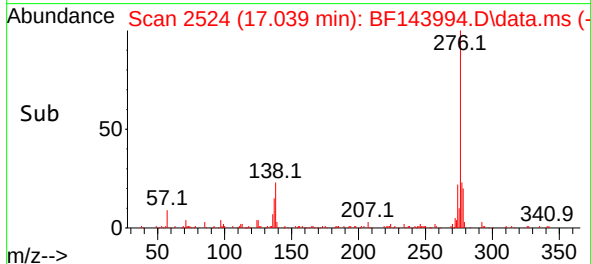
Instrument :
 BNA_F
 ClientSampleId :
 PR132-SO3-010013-20251015



Tgt Ion:276 Resp: 36800
 Ion Ratio Lower Upper
 276 100
 138 21.3 18.2 27.2
 277 23.4 19.8 29.6

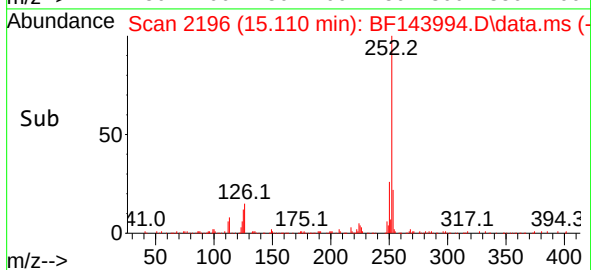
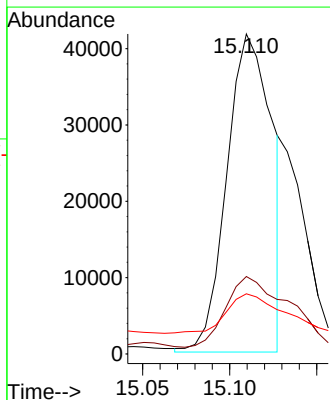
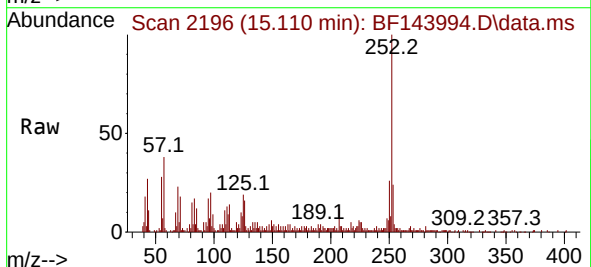
Manual Integrations
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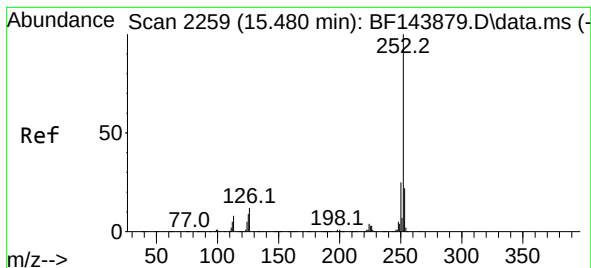
Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025



#88
 Benzo(b)fluoranthene
 Concen: 4.755 ng m
 RT: 15.110 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: BF143994.D
 Acq: 17 Oct 2025 19:41

Tgt Ion:252 Resp: 75320
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.4 26.2
 125 18.8 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 5.032 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143994.D

Acq: 17 Oct 2025 19:41

Instrument :

BNA_F

ClientSampleId :

PR132-SO3-010013-20251015

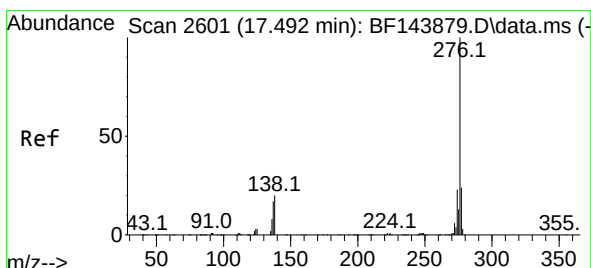
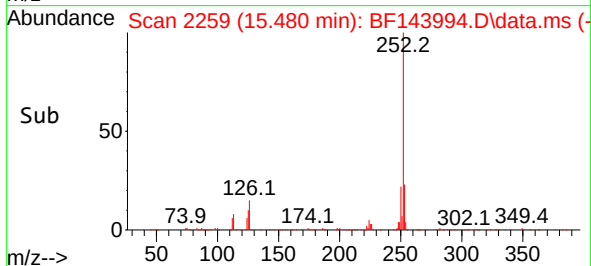
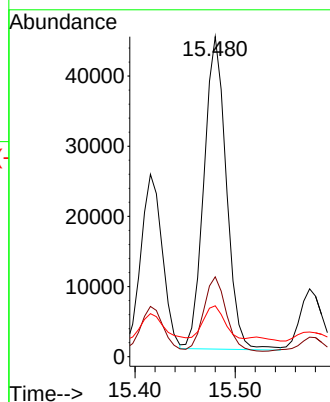
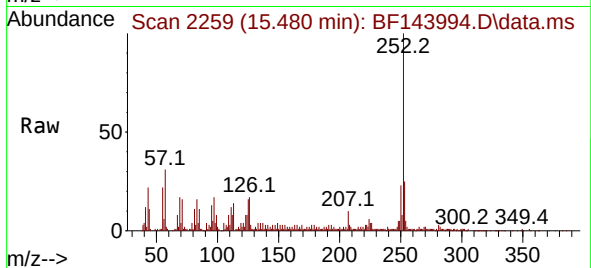
Tgt Ion:252 Resp: 69118
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.3 25.9
 125 15.9 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/20/2025

Supervised By :Jagrut Upadhyay 10/20/2025



#92

Benzo(g,h,i)perylene

Concen: 2.600 ng

RT: 17.498 min Scan# 2602

Delta R.T. -0.018 min

Lab File: BF143994.D

Acq: 17 Oct 2025 19:41

Tgt Ion:276 Resp: 35340
 Ion Ratio Lower Upper
 276 100
 277 25.5 19.0 28.6
 138 23.6 16.1 24.1

