

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144024.D
 Acq On : 21 Oct 2025 20:56
 Operator : RC/JU
 Sample : Q3403-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-18

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/22/2025
 Supervised By :Jagrut Upadhyay 10/22/2025

Quant Time: Oct 22 11:12:26 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	107974	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	398391	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	190013	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	274797	20.000	ng	0.00
76) Chrysene-d12	14.057	240	248017	20.000	ng	-0.01
86) Perylene-d12	15.545	264	319177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	541301	79.610	ng	0.00
7) Phenol-d6	6.504	99	620825	76.601	ng	-0.01
23) Nitrobenzene-d5	7.439	82	357587	54.532	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	116649	61.635	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	657559	54.911	ng	-0.01
79) Terphenyl-d14	12.998	244	548787	37.817	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	59589	4.473	ng	98
75) Fluoranthene	12.627	202	62094	4.512	ng	97
78) Pyrene	12.857	202	97171	4.700	ng	99
81) Benzo(a)anthracene	14.051	228	44978	2.771	ng	# 75
83) Chrysene	14.080	228	54700	3.641	ng	94
88) Benzo(b)fluoranthene	15.110	252	44214m	2.412	ng	
90) Benzo(a)pyrene	15.480	252	37422	2.354	ng	# 98

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

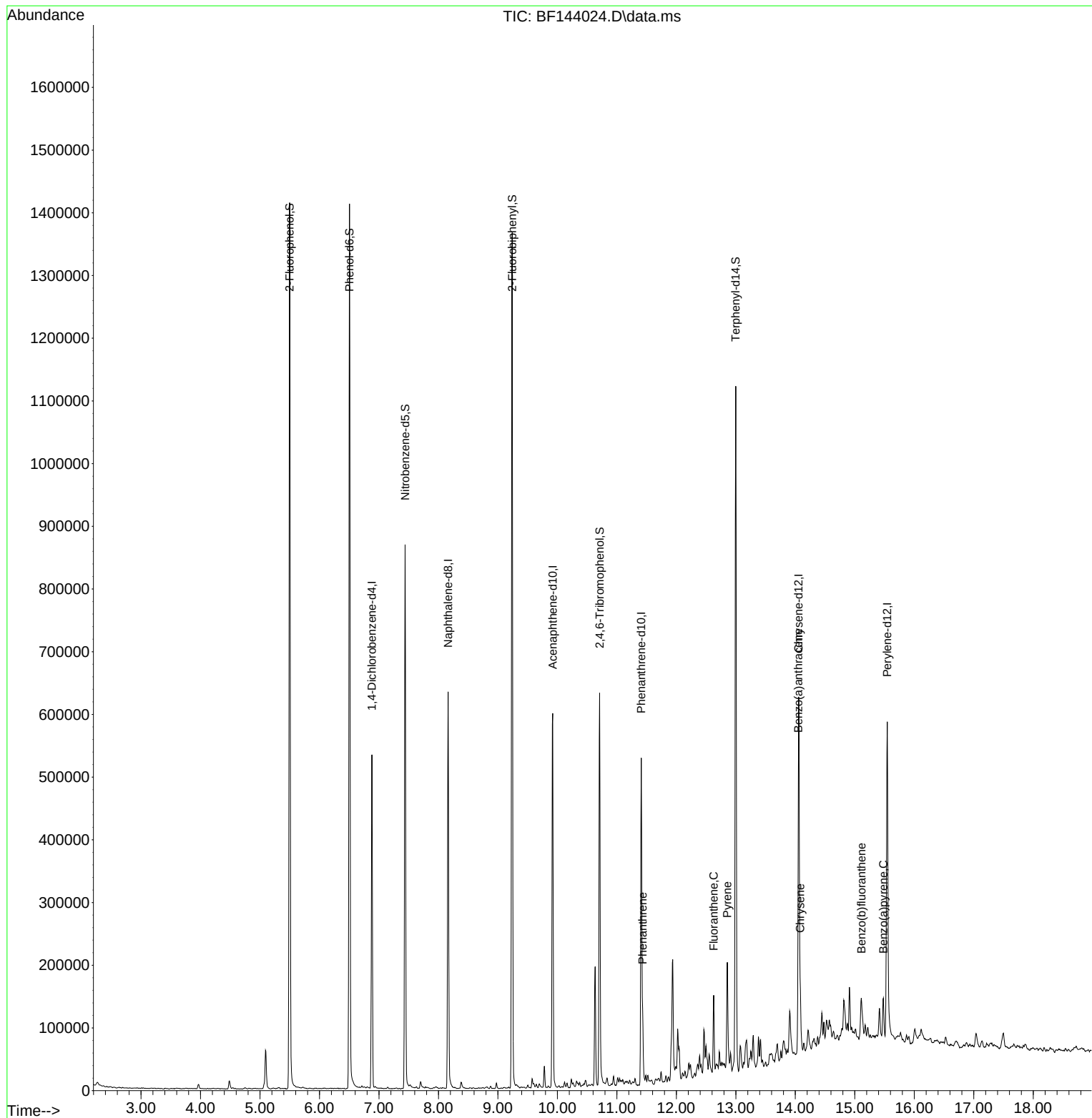
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144024.D
Acq On : 21 Oct 2025 20:56
Operator : RC/JU
Sample : Q3403-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

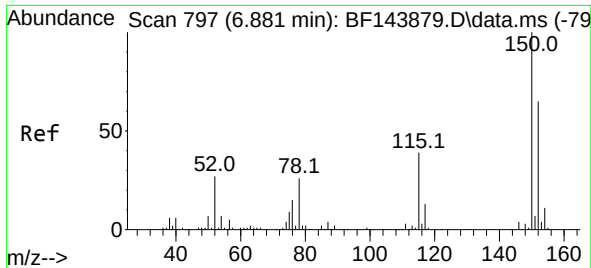
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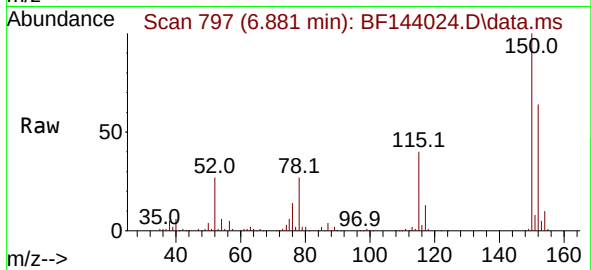
Quant Time: Oct 22 11:12:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

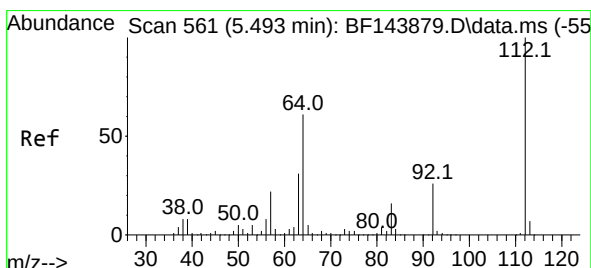
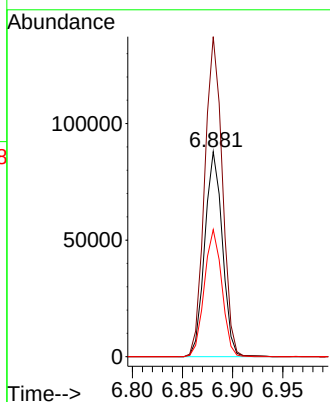
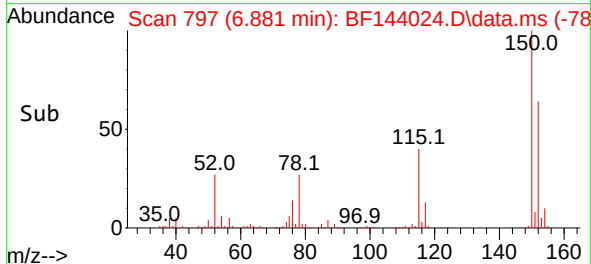
Instrument :
BNA_F
ClientSampleId :
MH-18



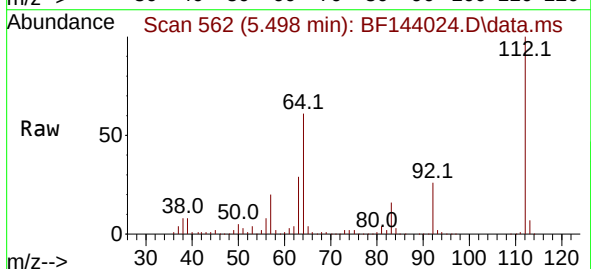
Tgt Ion:152 Resp: 107974
Ion Ratio Lower Upper
152 100
150 156.1 124.4 186.6
115 62.0 48.1 72.1

Manual Integrations
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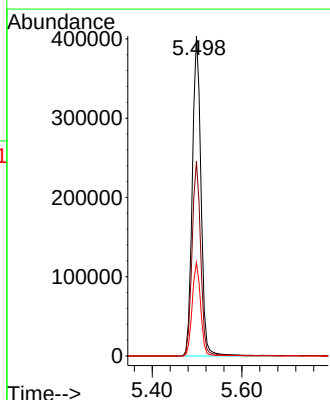
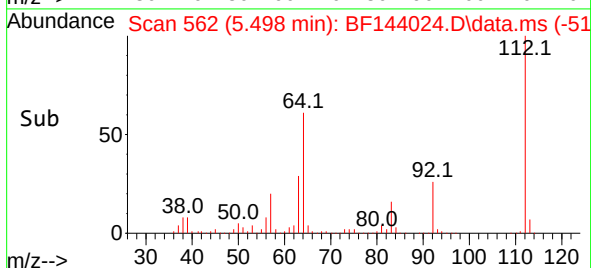
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

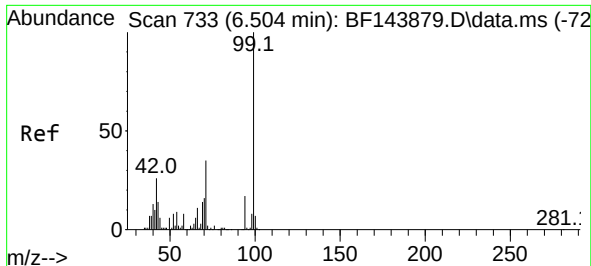


#5
2-Fluorophenol
Concen: 79.610 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56



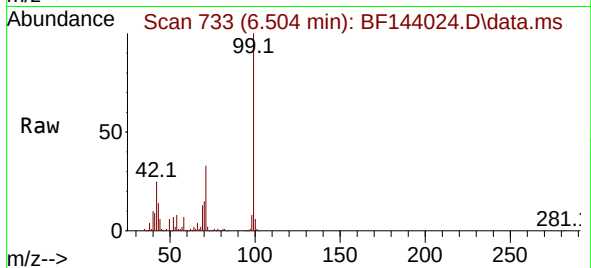
Tgt Ion:112 Resp: 541301
Ion Ratio Lower Upper
112 100
64 60.8 49.1 73.7
63 29.2 24.5 36.7





#7
Phenol-d6
Concen: 76.601 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

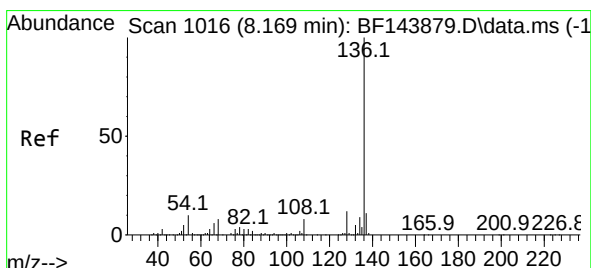
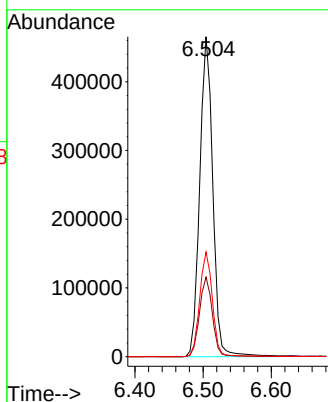
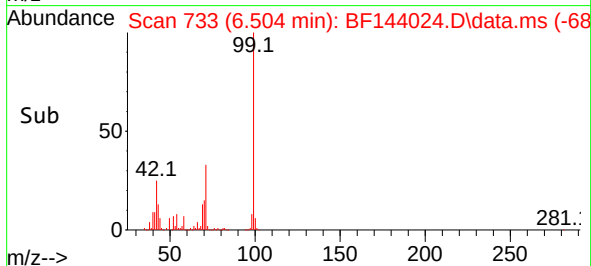
Instrument :
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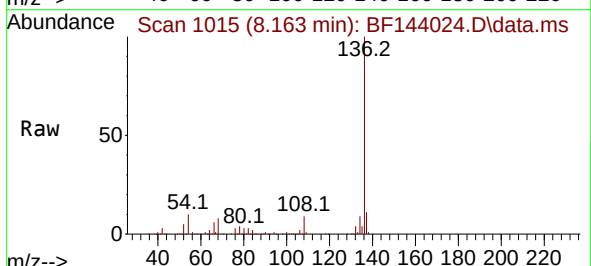
Tgt Ion: 99 Resp: 620825
Ion Ratio Lower Upper
99 100
42 24.8 21.0 31.4
71 32.7 27.8 41.8

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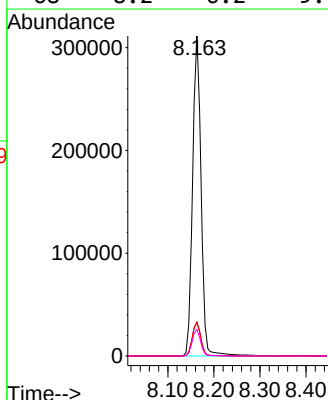
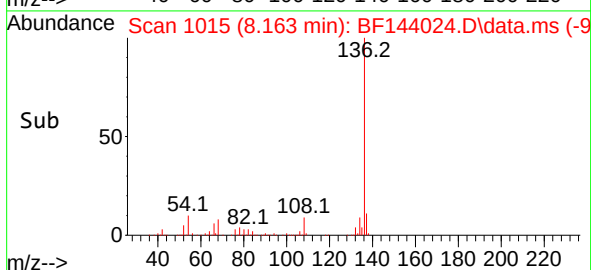
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

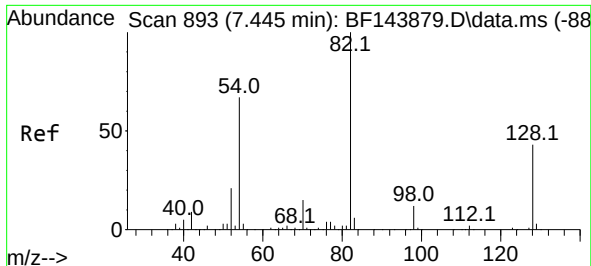


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56



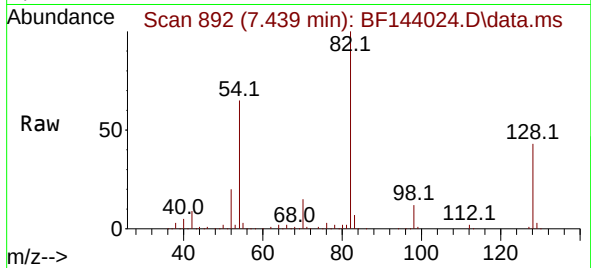
Tgt Ion:136 Resp: 398391
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.5 8.2 12.4
68 8.2 6.2 9.4





#23
Nitrobenzene-d5
Concen: 54.532 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

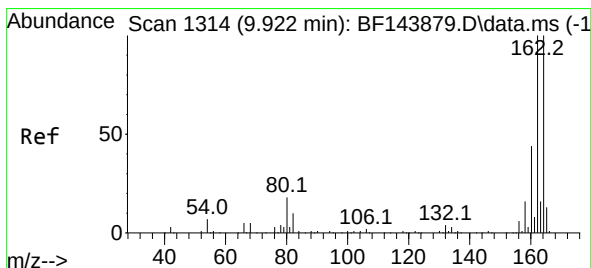
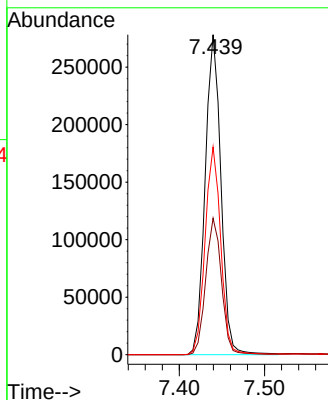
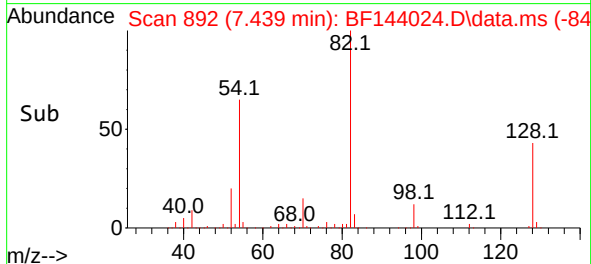
Instrument :
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ClientSampleId :
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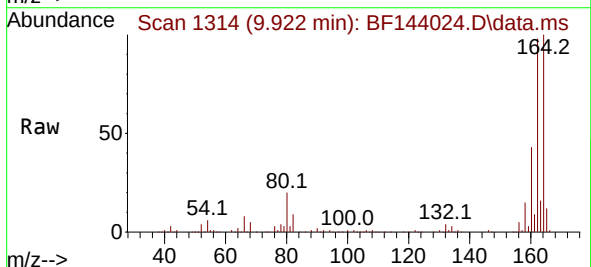
Tgt Ion: 82 Resp: 35758
Ion Ratio Lower Upper
82 100
128 42.7 34.0 51.0
54 64.9 53.2 79.8

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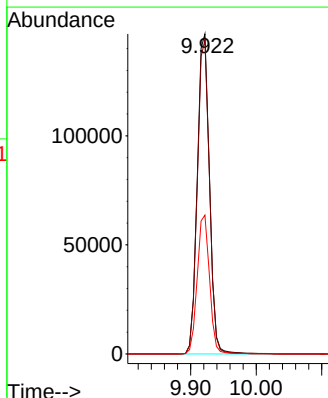
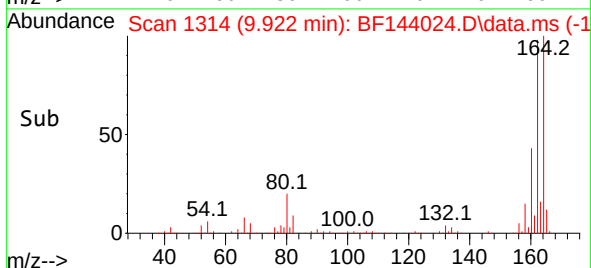
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

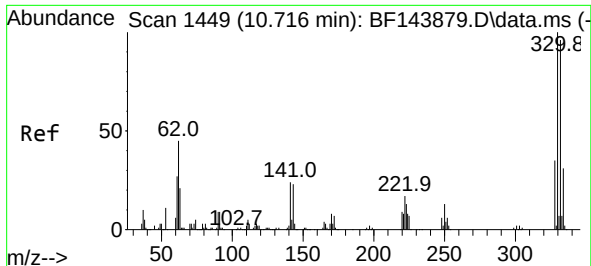


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56



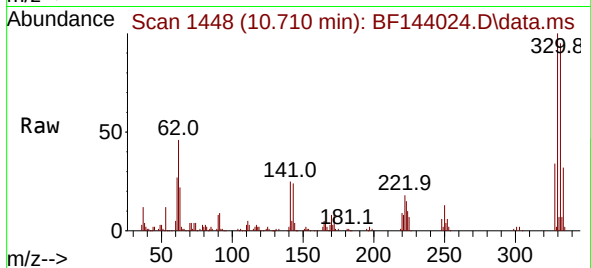
Tgt Ion:164 Resp: 190013
Ion Ratio Lower Upper
164 100
162 98.0 80.2 120.2
160 43.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 61.635 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

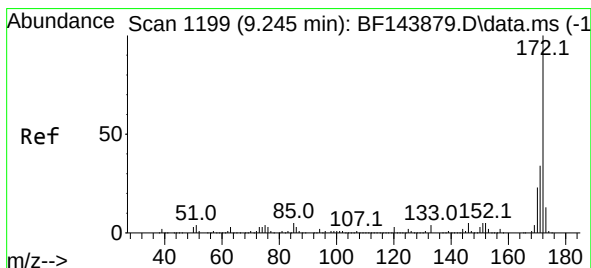
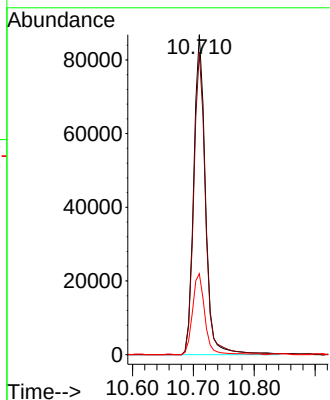
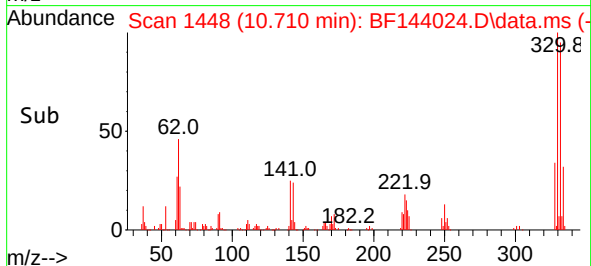
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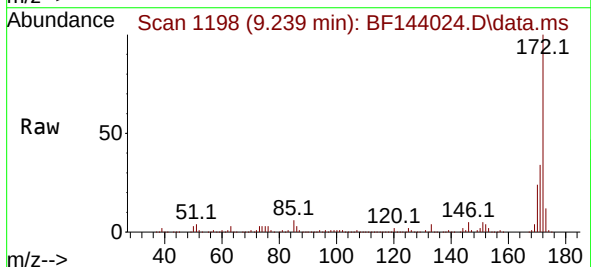
Tgt Ion: 330 Resp: 116649
Ion Ratio Lower Upper
330 100
332 94.7 76.9 115.3
141 26.6 20.2 30.4

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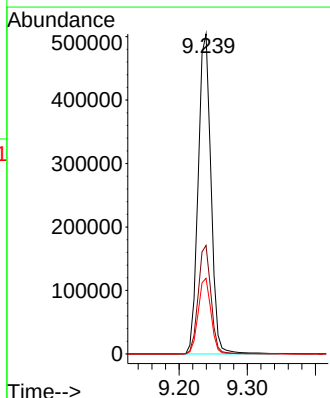
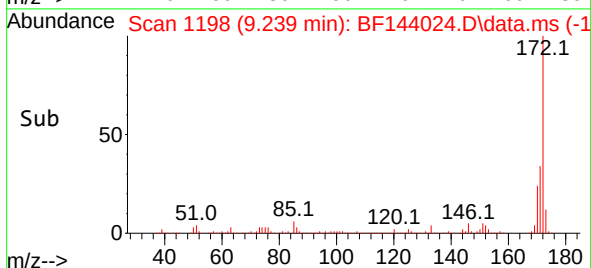
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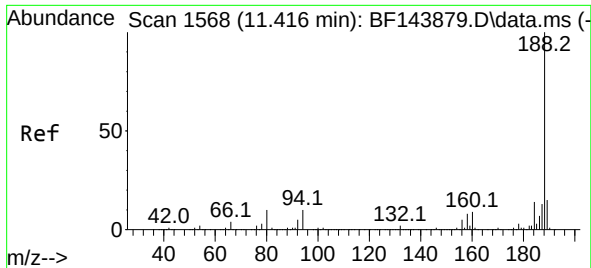


#45
2-Fluorobiphenyl
Concen: 54.911 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56



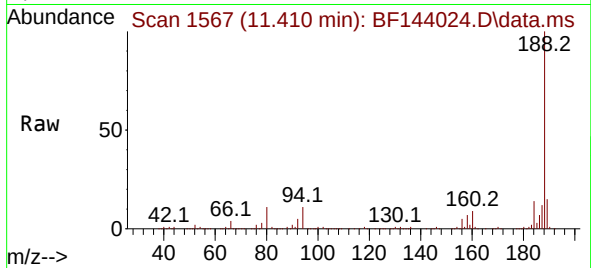
Tgt Ion: 172 Resp: 657559
Ion Ratio Lower Upper
172 100
171 33.9 27.4 41.0
170 23.7 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

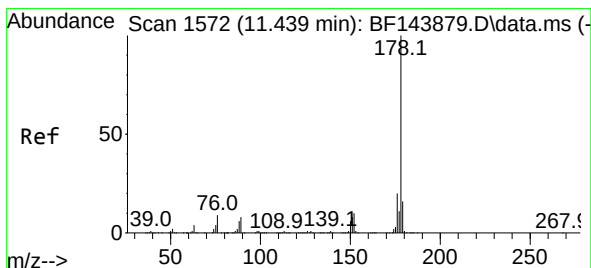
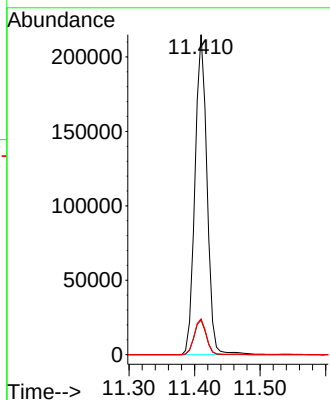
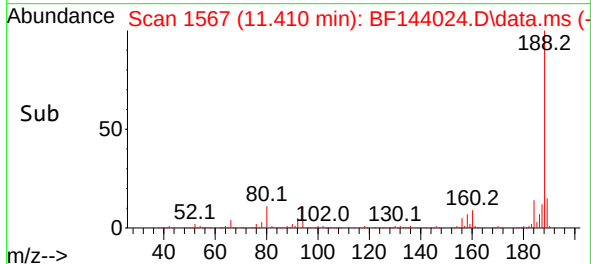
Instrument :
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ClientSampleId :
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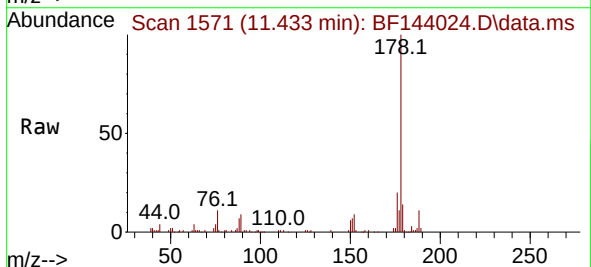
Tgt Ion:188 Resp: 27479
Ion Ratio Lower Upper
188 100
94 10.8 7.8 11.6
80 11.2 7.9 11.9

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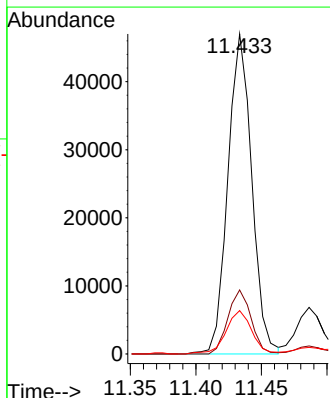
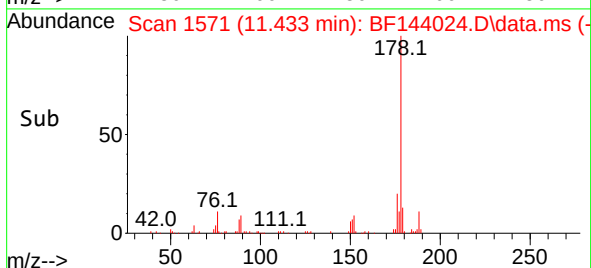
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

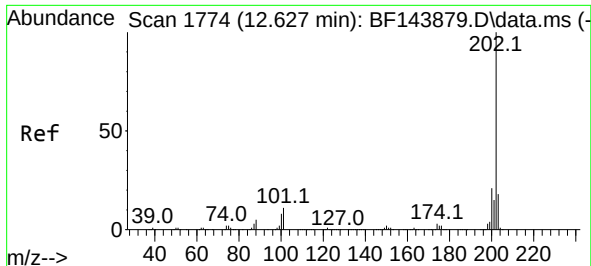


#71
Phenanthrene
Concen: 4.473 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56



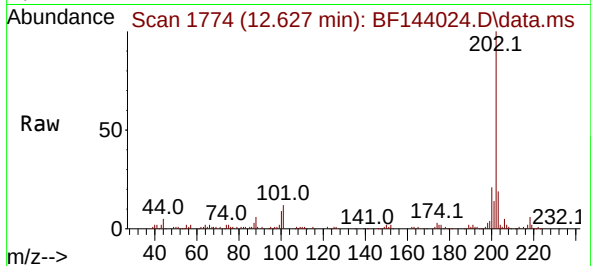
Tgt Ion:178 Resp: 59589
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 13.5 12.4 18.6





#75
Fluoranthene
Concen: 4.512 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

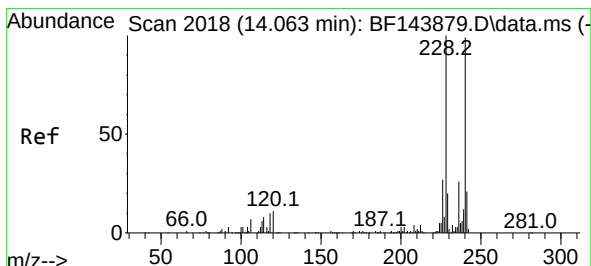
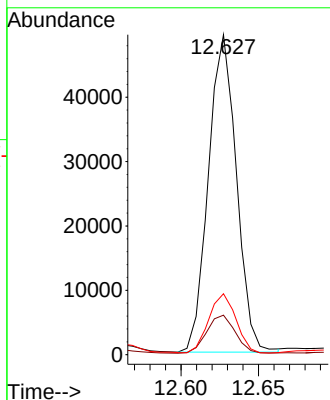
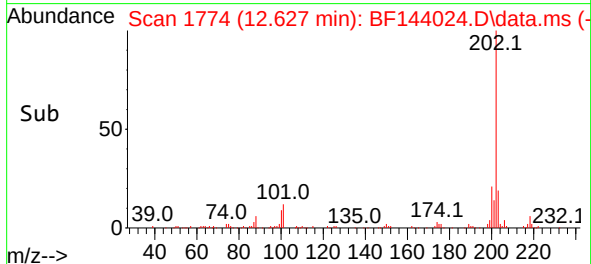
Instrument :
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Tgt Ion:202 Resp: 62094
Ion Ratio Lower Upper
202 100
101 12.3 0.0 30.7
203 19.0 0.0 37.8

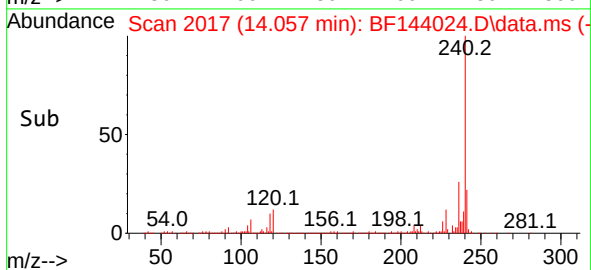
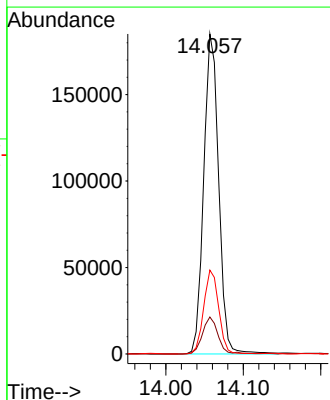
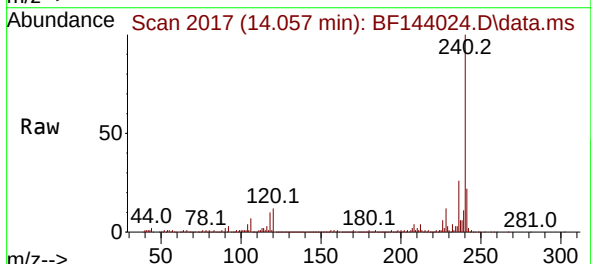
Manual Integrations
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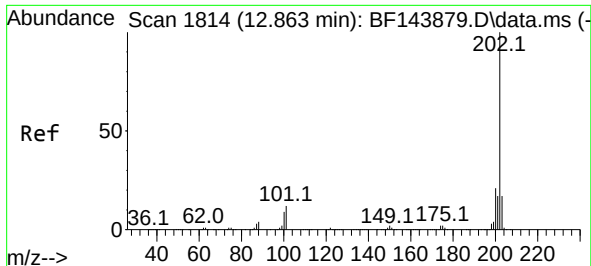
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

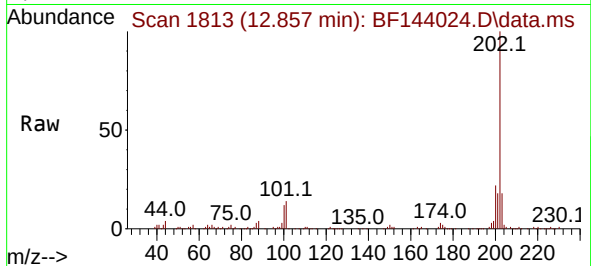
Tgt Ion:240 Resp: 248017
Ion Ratio Lower Upper
240 100
120 11.6 8.6 13.0
236 26.2 21.1 31.7





#78
Pyrene
Concen: 4.700 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

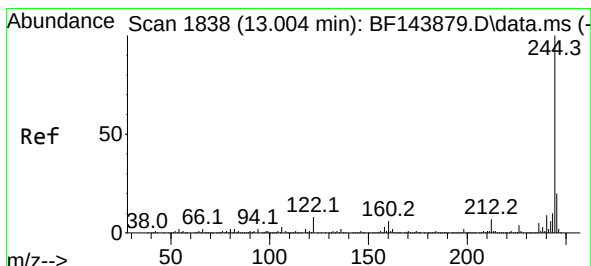
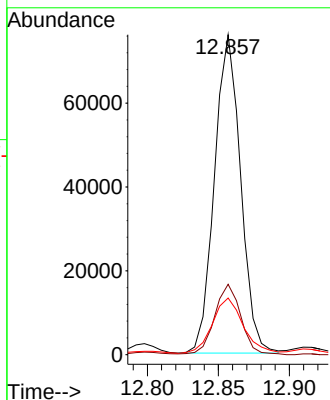
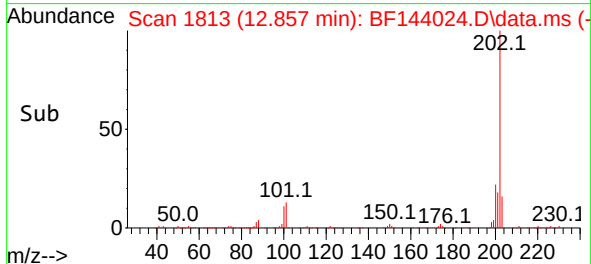
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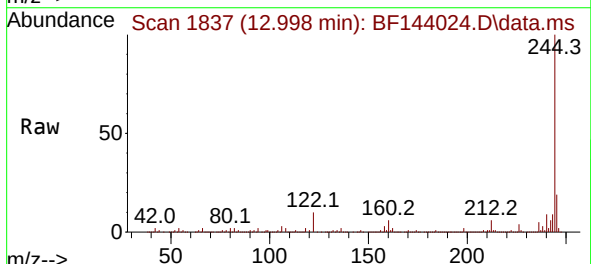
Tgt Ion:202 Resp: 9717
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.6
203 17.7 13.8 20.6

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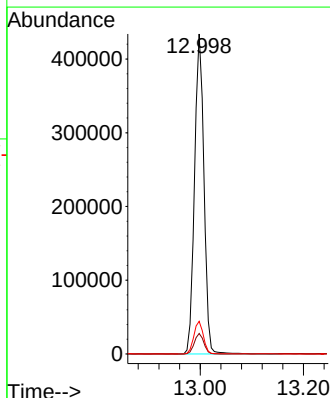
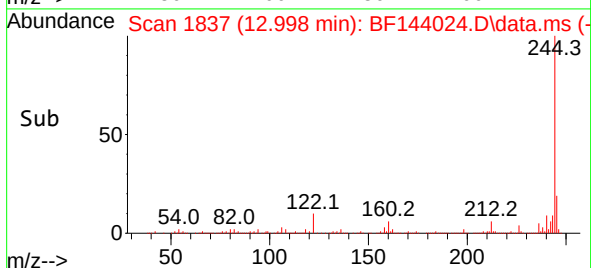
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

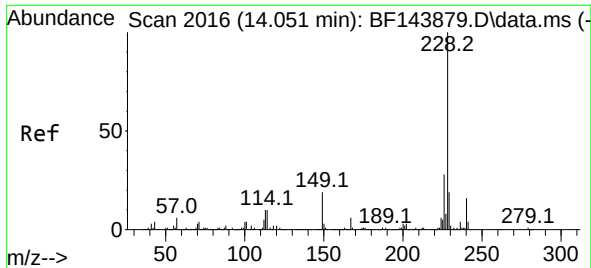


#79
Terphenyl-d14
Concen: 37.817 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56



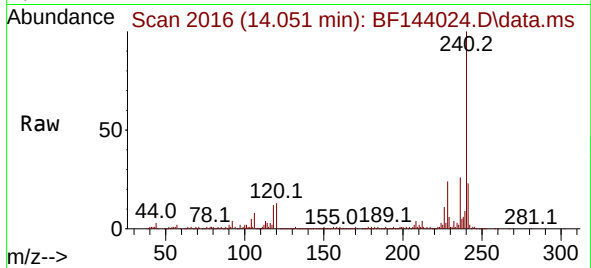
Tgt Ion:244 Resp: 548787
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 10.2 6.4 9.6#





#81
Benzo(a)anthracene
Concen: 2.771 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

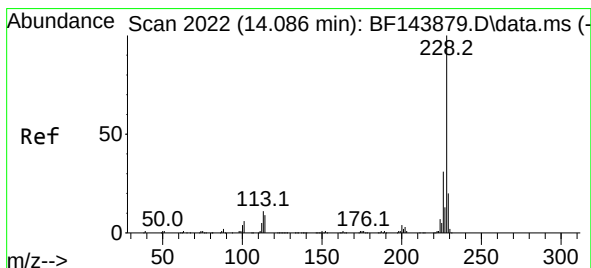
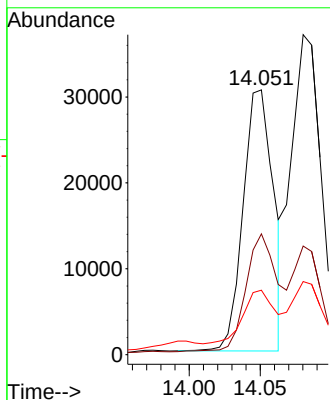
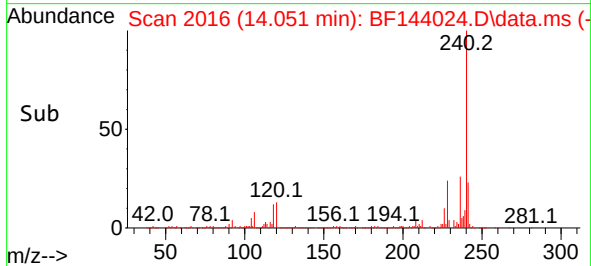
Instrument :
BNA_F
ClientSampleId :
MH-18



Tgt Ion:228 Resp: 44978
Ion Ratio Lower Upper
228 100
226 45.6 22.2 33.2
229 24.4 15.6 23.4

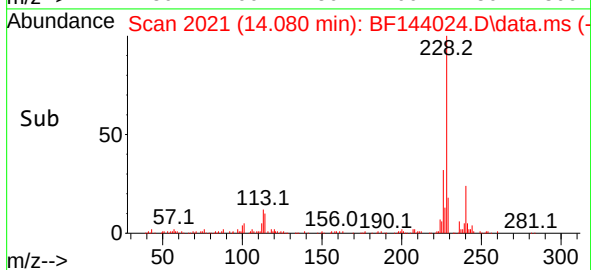
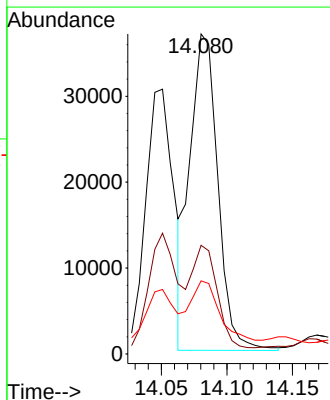
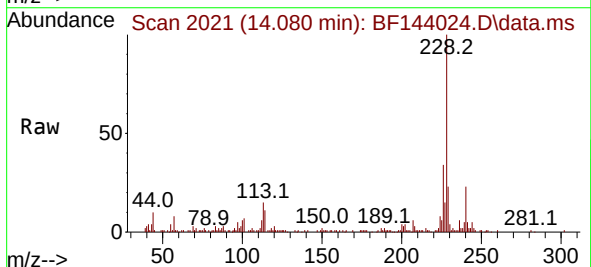
Manual Integrations
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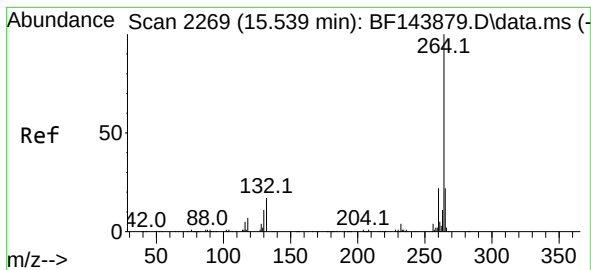
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025



#83
Chrysene
Concen: 3.641 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

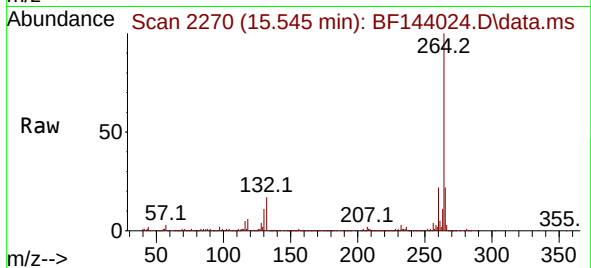
Tgt Ion:228 Resp: 54700
Ion Ratio Lower Upper
228 100
226 33.9 24.4 36.6
229 22.9 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

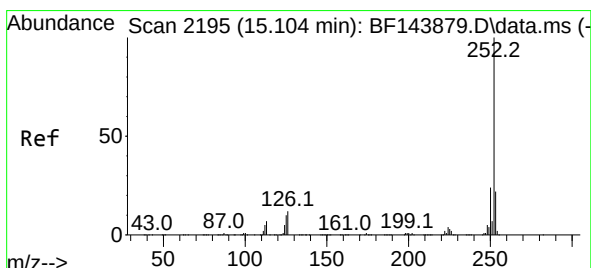
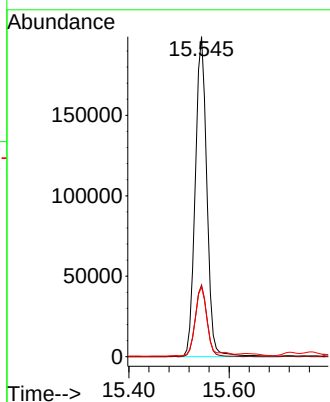
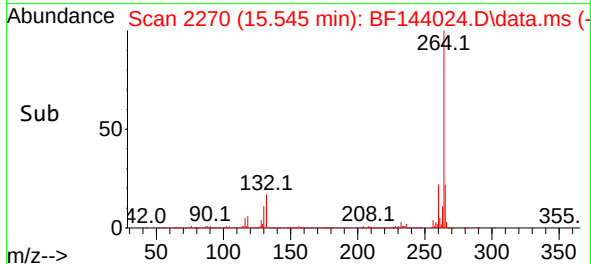
Instrument :
BNA_F
ClientSampleId :
MH-18



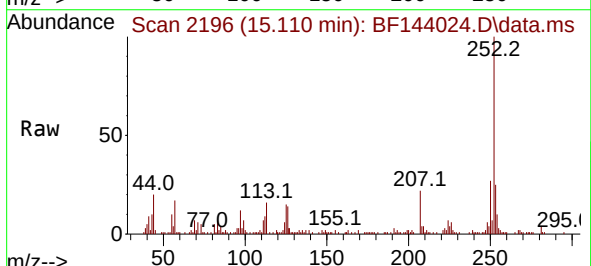
Tgt Ion:264 Resp: 31917
Ion Ratio Lower Upper
264 100
260 22.4 17.8 26.8
265 21.8 17.5 26.3

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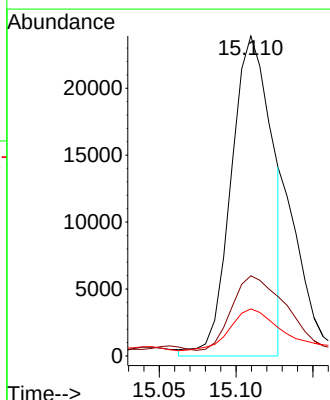
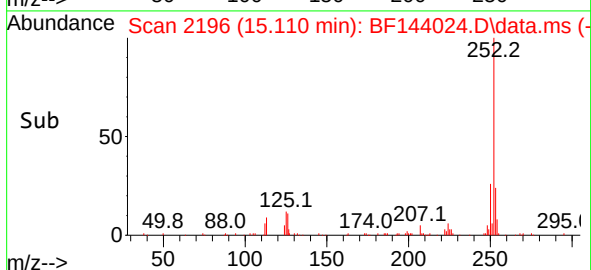
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

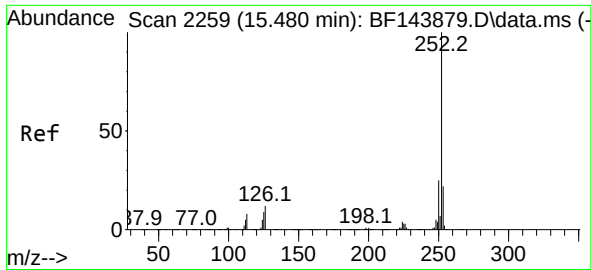


#88
Benzo(b)fluoranthene
Concen: 2.412 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56



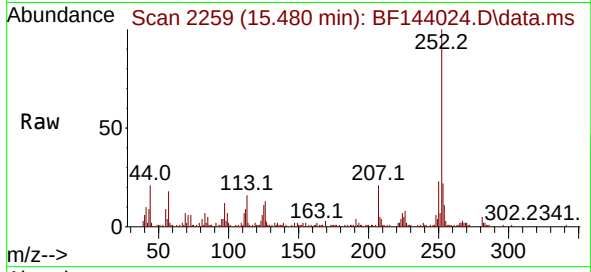
Tgt Ion:252 Resp: 44214
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 14.7 7.8 11.6#





#90
Benzo(a)pyrene
Concen: 2.354 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144024.D
Acq: 21 Oct 2025 20:56

Instrument :
BNA_F
ClientSampleId :
MH-18



Tgt Ion:252 Resp: 3742
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.6 7.0 10.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

