

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144044.D
 Acq On : 22 Oct 2025 16:18
 Operator : RC/JU
 Sample : Q3404-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0285-0288

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/23/2025
 Supervised By :Jagrut Upadhyay 10/23/2025

Quant Time: Oct 22 16:38:18 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	58684	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	211628	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	106776	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	179646	20.000	ng	0.00
76) Chrysene-d12	14.057	240	163747	20.000	ng	-0.01
86) Perylene-d12	15.545	264	207983	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	193841	52.453	ng	0.00
7) Phenol-d6	6.498	99	221821	50.358	ng	-0.02
23) Nitrobenzene-d5	7.439	82	125188	35.939	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	54324	51.080	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	207308	30.807	ng	-0.02
79) Terphenyl-d14	12.998	244	235261	24.555	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.627	202	97657	10.856	ng	97
78) Pyrene	12.857	202	139662	10.231	ng	98
81) Benzo(a)anthracene	14.051	228	71606	6.682	ng	95
83) Chrysene	14.080	228	142035	14.321	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	29935	2.349	ng	93
88) Benzo(b)fluoranthene	15.110	252	179633m	15.036	ng	
89) Benzo(k)fluoranthene	15.127	252	52705m	4.768	ng	
90) Benzo(a)pyrene	15.480	252	54222	5.234	ng	96
92) Benzo(g,h,i)perylene	17.503	276	21294	2.078	ng	97

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

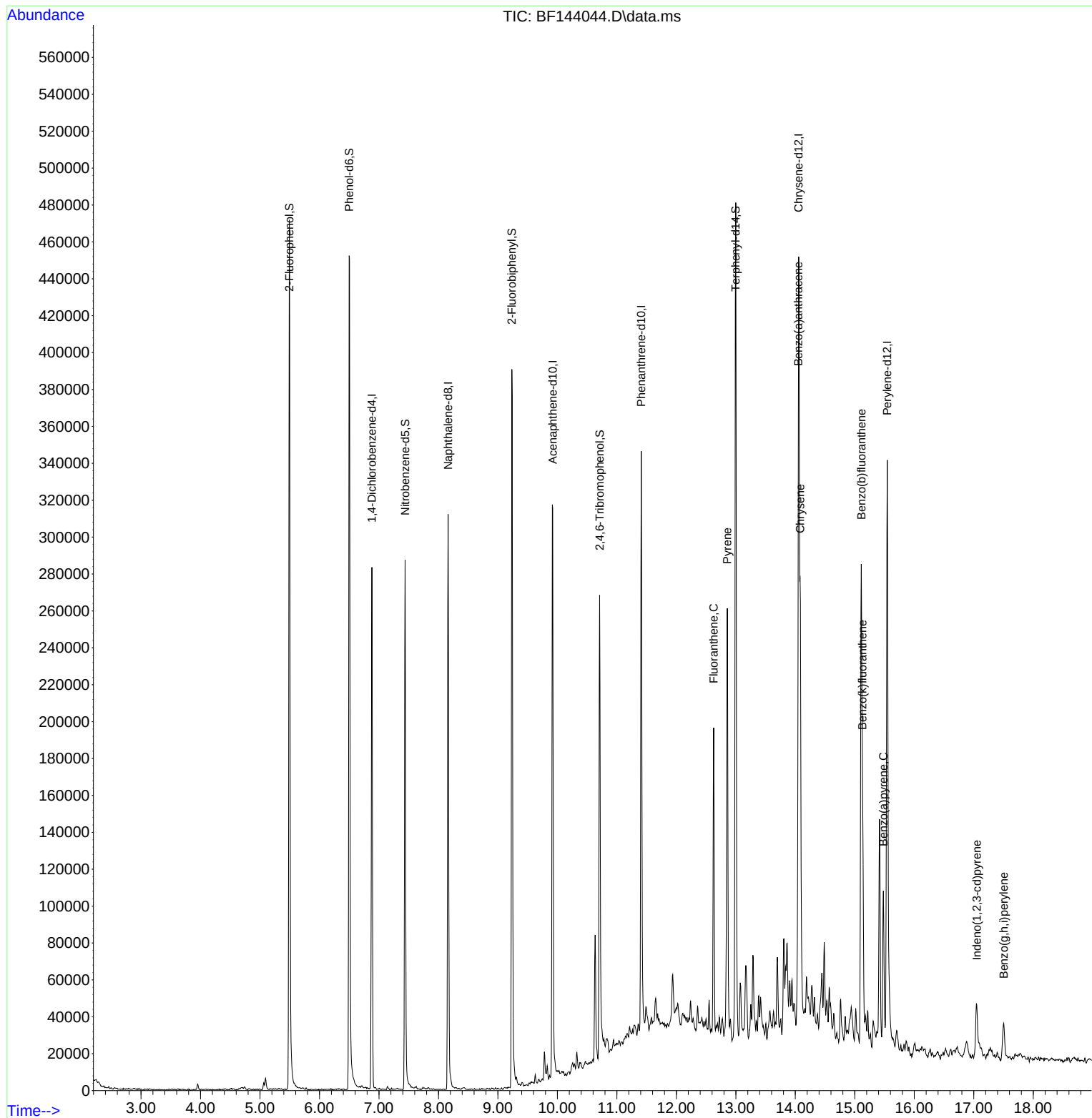
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144044.D
Acq On : 22 Oct 2025 16:18
Operator : RC/JU
Sample : Q3404-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

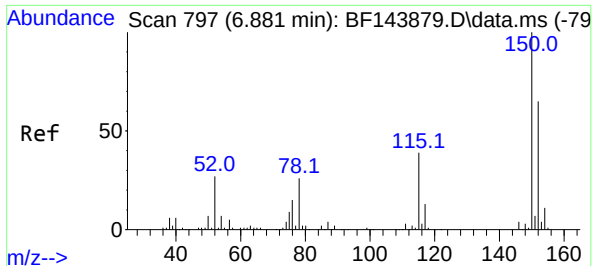
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

Quant Time: Oct 22 16:38:18 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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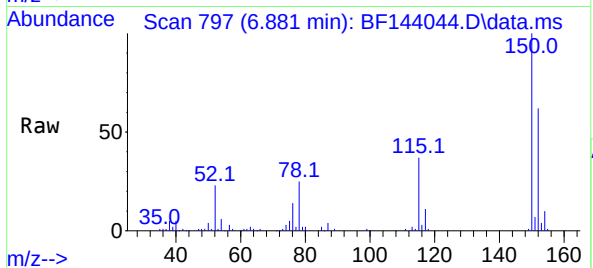
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

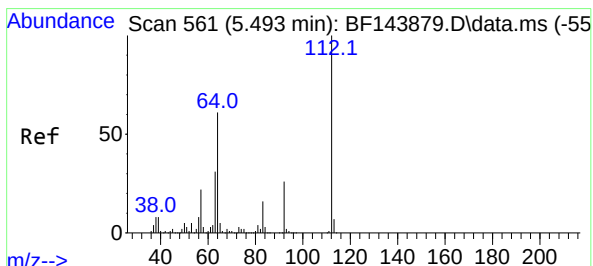
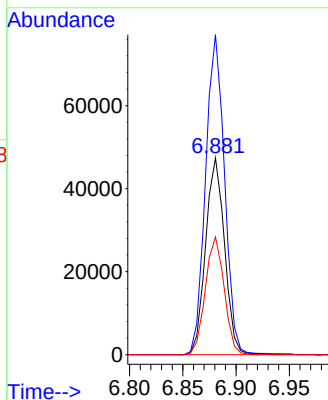
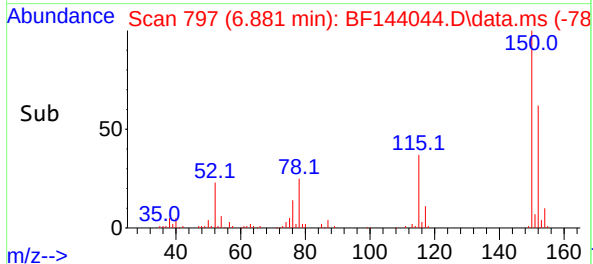
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288



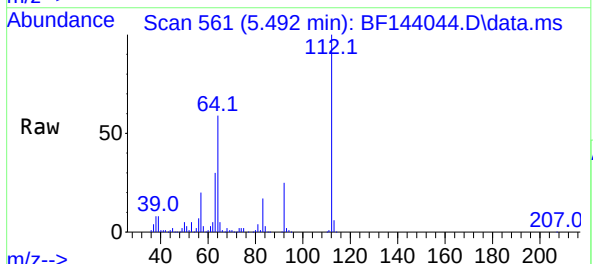
Tgt Ion:152 Resp: 58684
Ion Ratio Lower Upper
152 100
150 162.5 124.4 186.6
115 59.8 48.1 72.1

Manual Integrations
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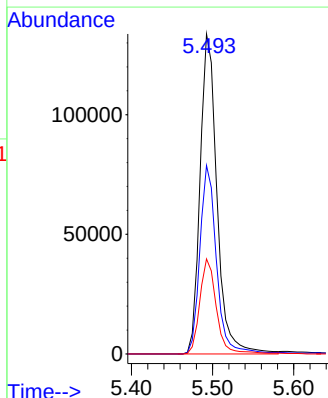
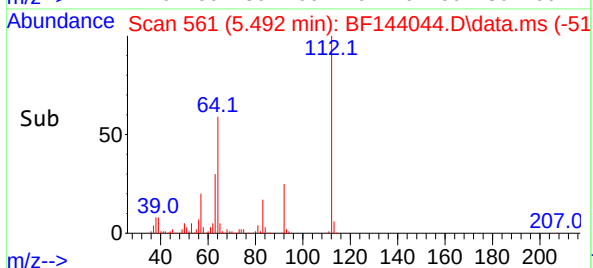
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

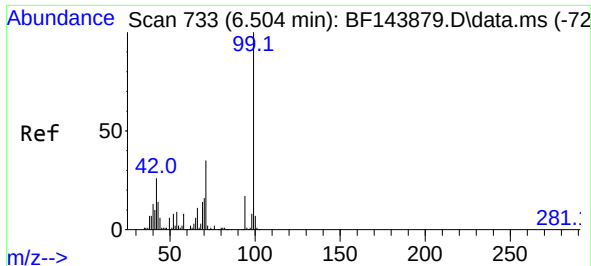


#5
2-Fluorophenol
Concen: 52.453 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18



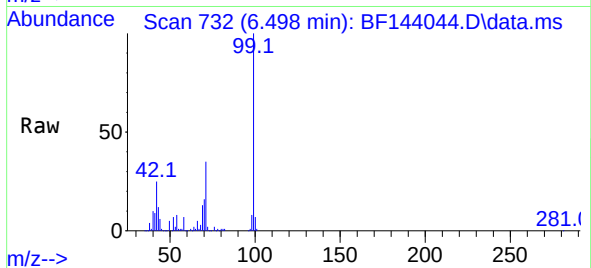
Tgt Ion:112 Resp: 193841
Ion Ratio Lower Upper
112 100
64 58.9 49.1 73.7
63 29.7 24.5 36.7





#7
Phenol-d6
Concen: 50.358 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

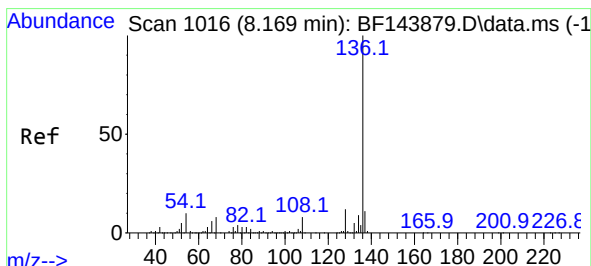
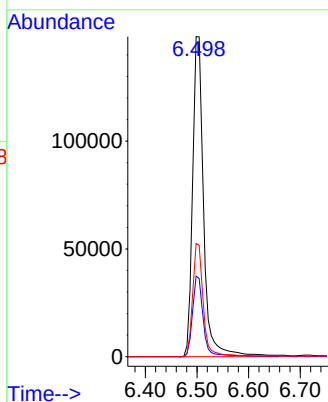
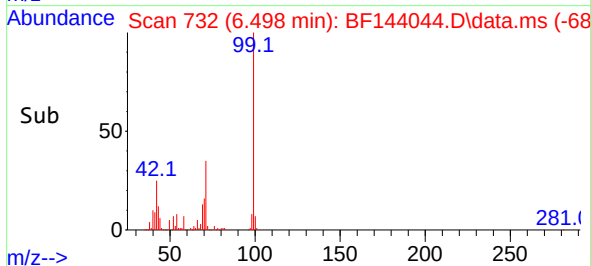
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288



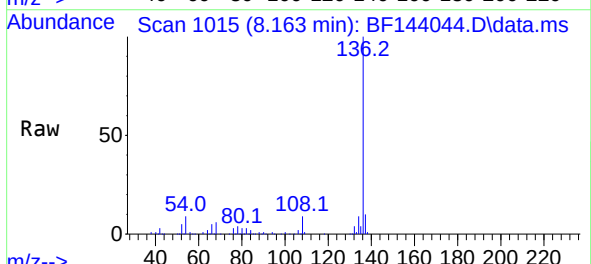
Tgt Ion: 99 Resp: 22182
Ion Ratio Lower Upper
99 100
42 25.2 21.0 31.4
71 35.3 27.8 41.8

Manual Integrations
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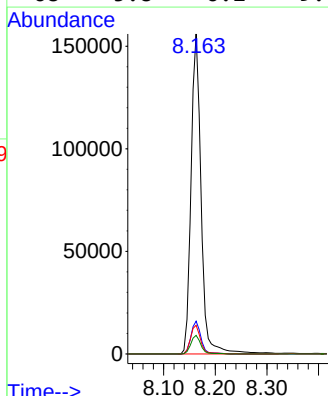
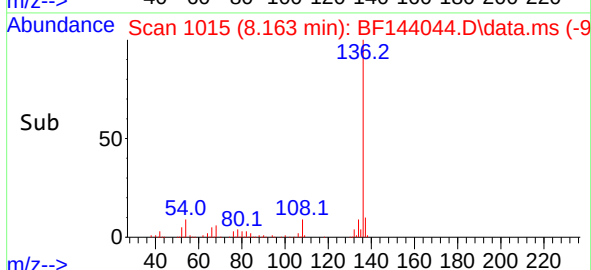
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

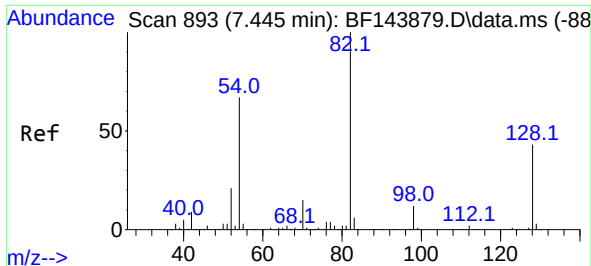


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18



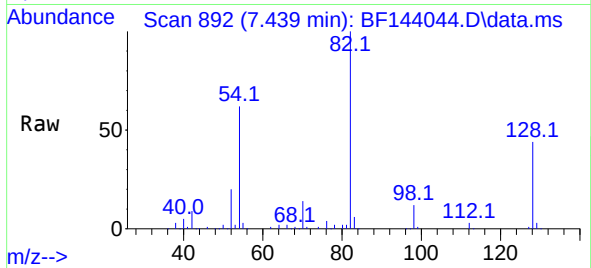
Tgt Ion:136 Resp: 211628
Ion Ratio Lower Upper
136 100
137 10.2 8.5 12.7
54 8.9 8.2 12.4
68 5.8 6.2 9.4#





#23
Nitrobenzene-d5
Concen: 35.939 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

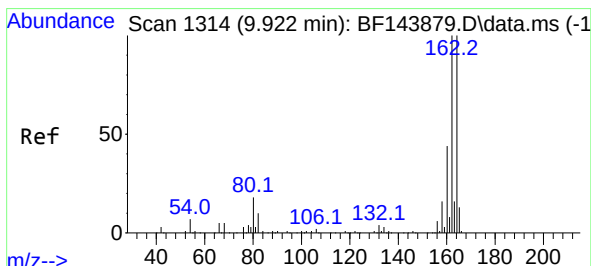
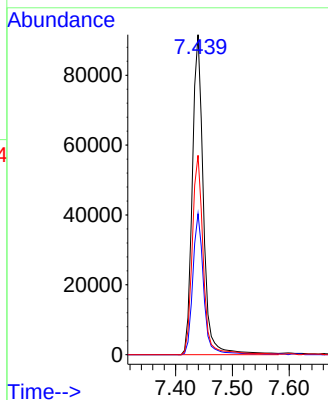
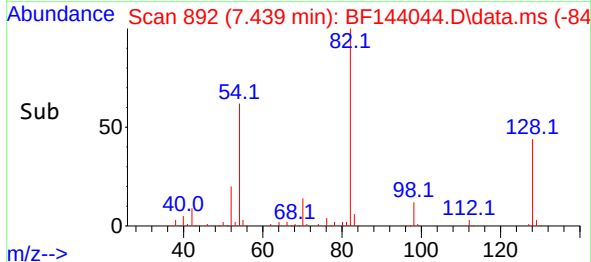
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288



Tgt Ion: 82 Resp: 125188
Ion Ratio Lower Upper
82 100
128 44.1 34.0 51.0
54 62.3 53.2 79.8

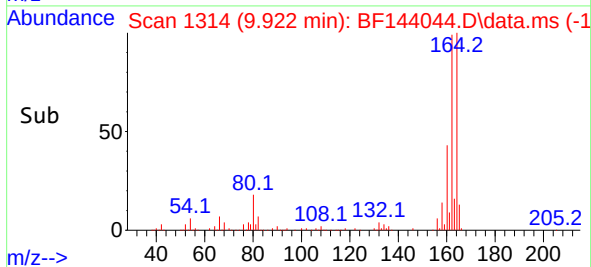
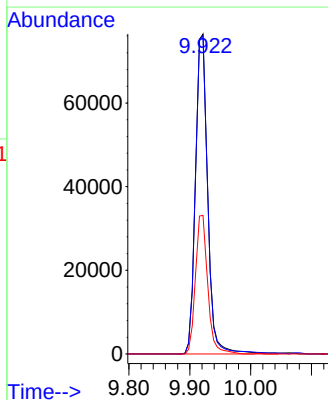
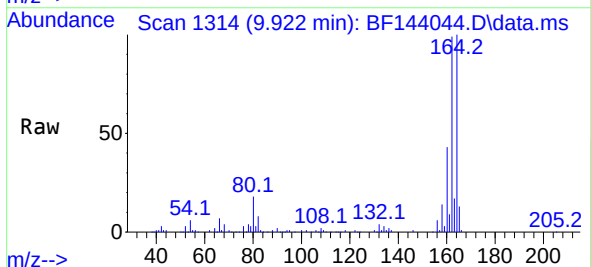
Manual Integrations
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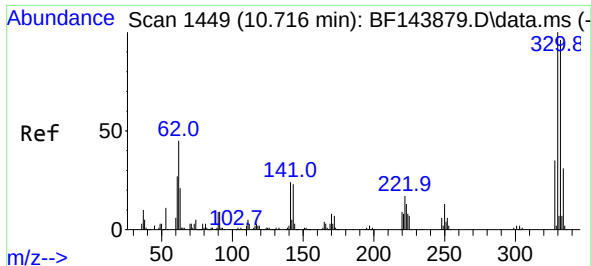
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

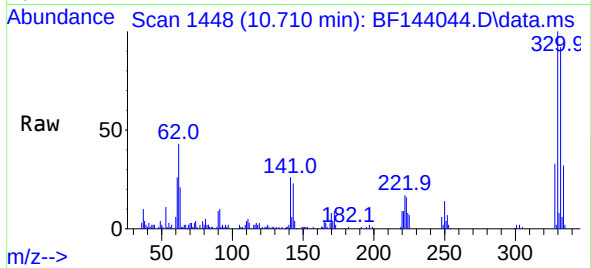
Tgt Ion:164 Resp: 106776
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.2
160 43.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 51.080 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

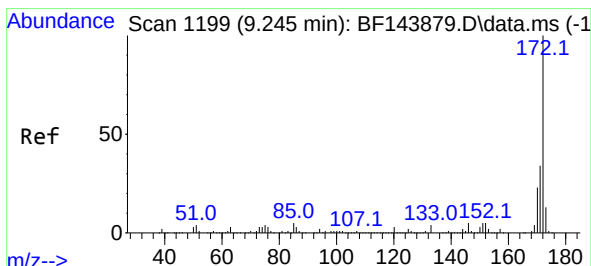
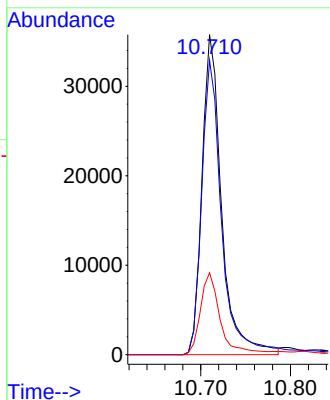
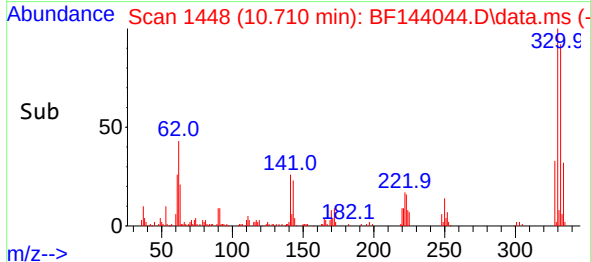
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288



Tgt Ion: 330 Resp: 54324
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 25.9 20.2 30.4

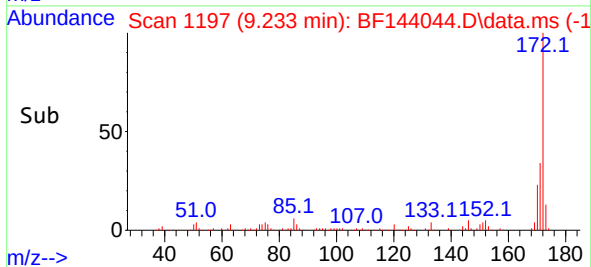
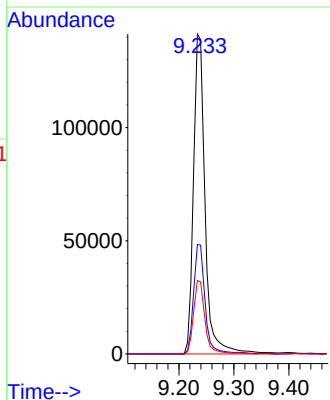
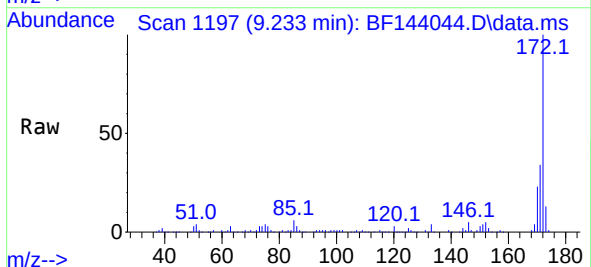
Manual Integrations
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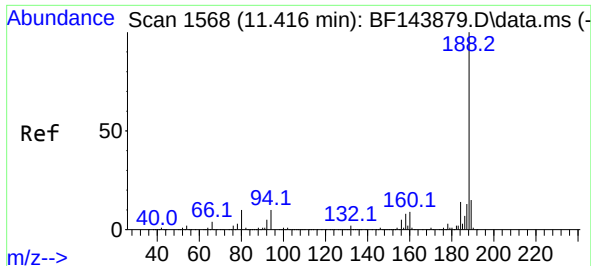
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#45
2-Fluorobiphenyl
Concen: 30.807 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

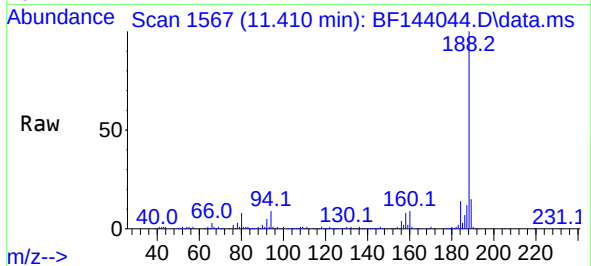
Tgt Ion: 172 Resp: 207308
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 22.9 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

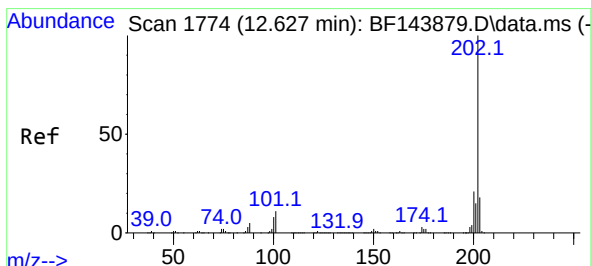
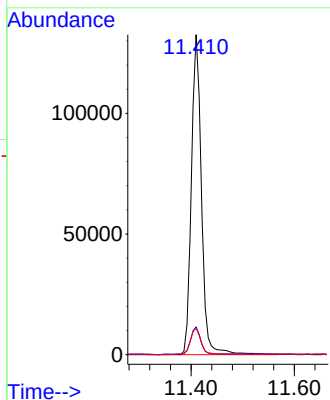
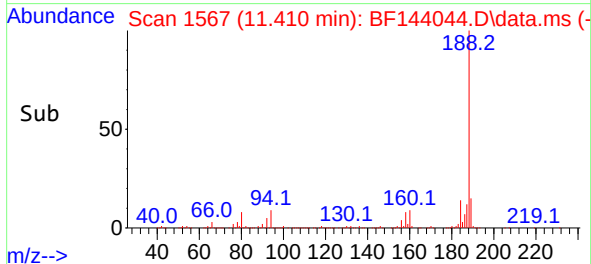
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288



Tgt Ion:188 Resp: 179640
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 8.2 7.9 11.9

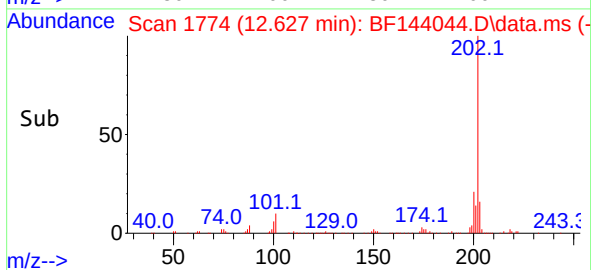
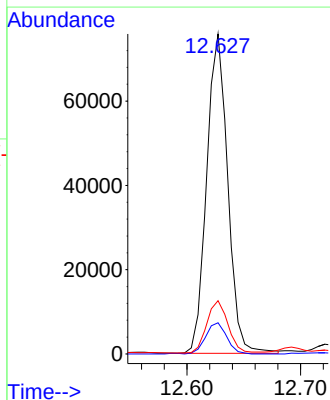
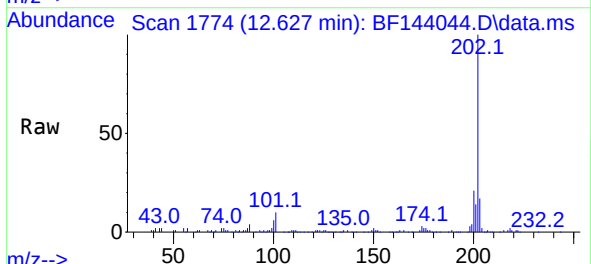
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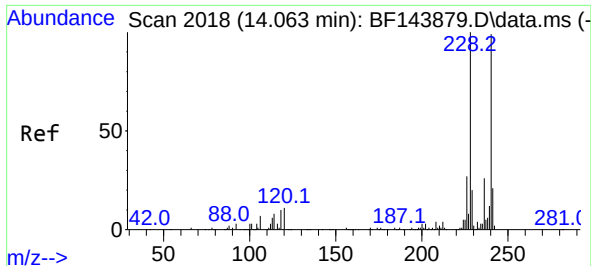
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#75
Fluoranthene
Concen: 10.856 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

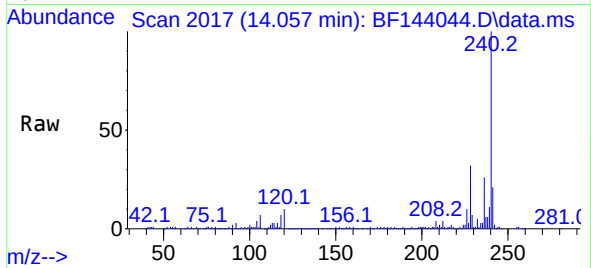
Tgt Ion:202 Resp: 97657
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 16.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

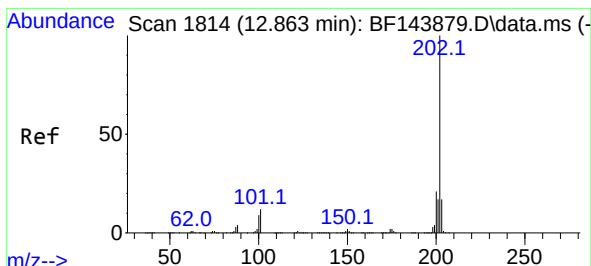
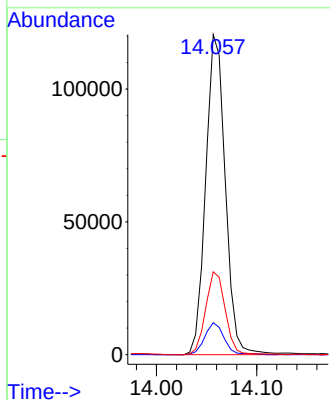
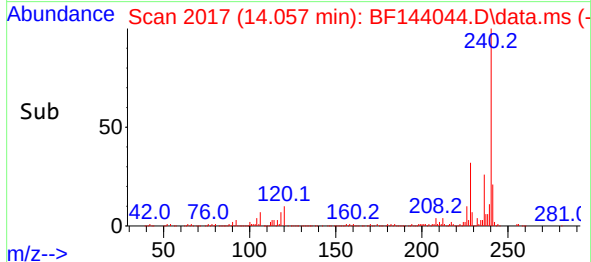
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288



Tgt Ion:240 Resp: 16374
Ion Ratio Lower Upper
240 100
120 10.0 8.6 13.0
236 25.9 21.1 31.7

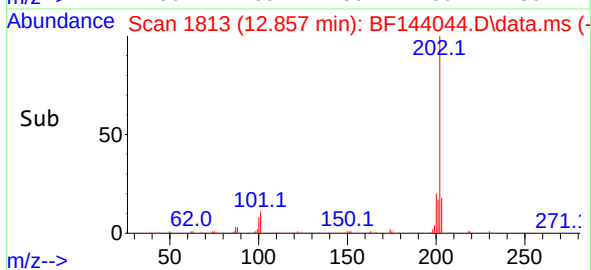
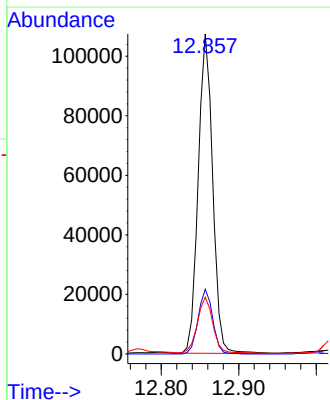
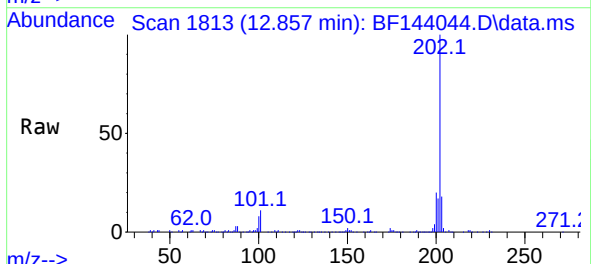
Manual Integrations
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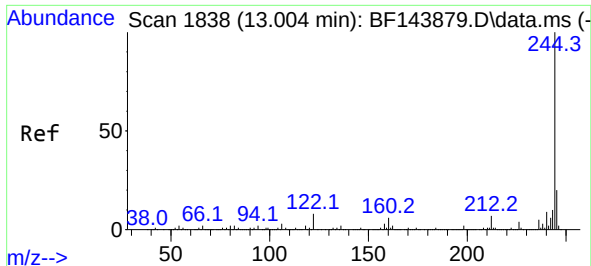
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#78
Pyrene
Concen: 10.231 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

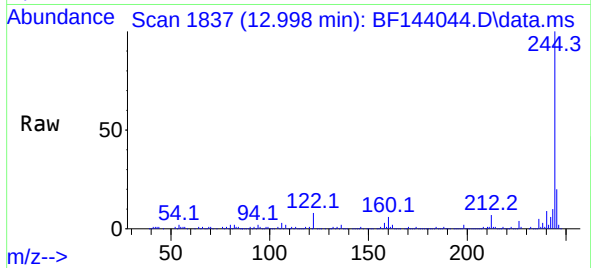
Tgt Ion:202 Resp: 139662
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.6
203 17.7 13.8 20.6





#79
Terphenyl-d14
Concen: 24.555 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

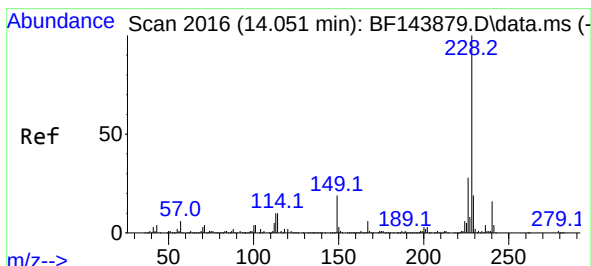
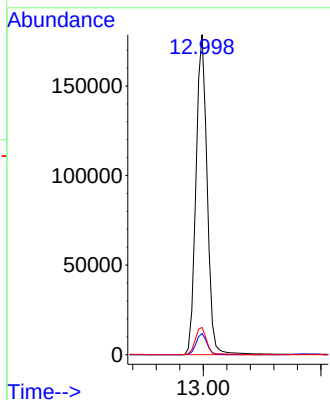
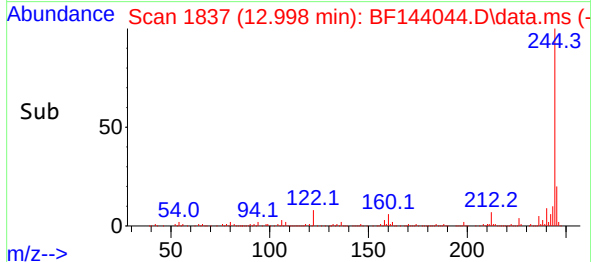
Instrument :
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ClientSampleId :
MOO-25-0285-0288



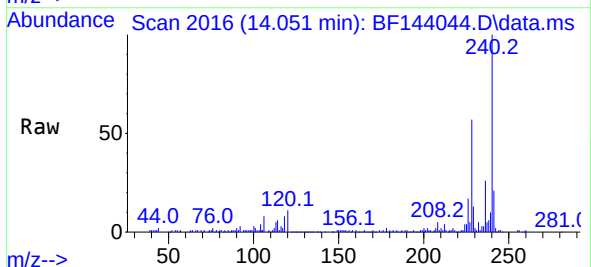
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Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 8.5 6.4 9.6

Manual Integrations
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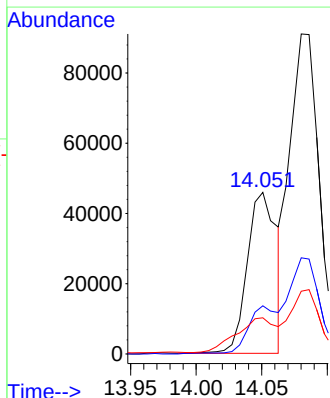
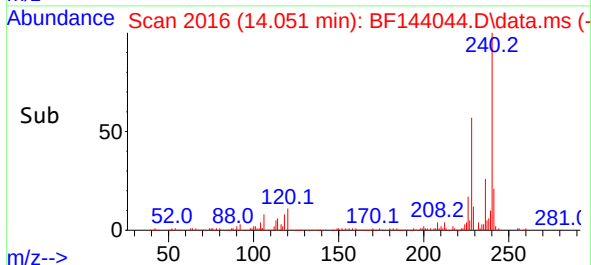
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

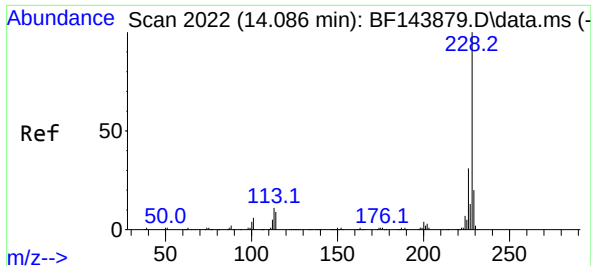


#81
Benzo(a)anthracene
Concen: 6.682 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18



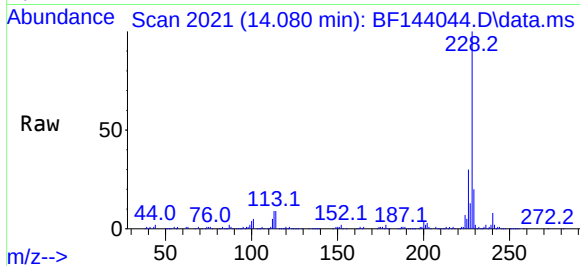
Tgt Ion:228 Resp: 71606
Ion Ratio Lower Upper
228 100
226 29.8 22.2 33.2
229 22.3 15.6 23.4





#83
Chrysene
Concen: 14.321 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

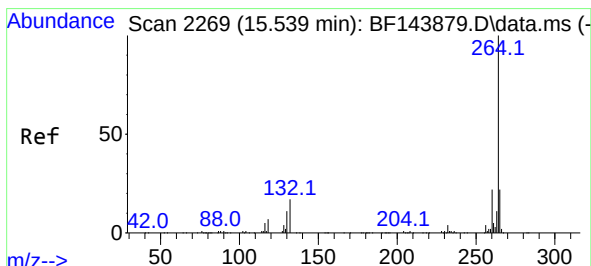
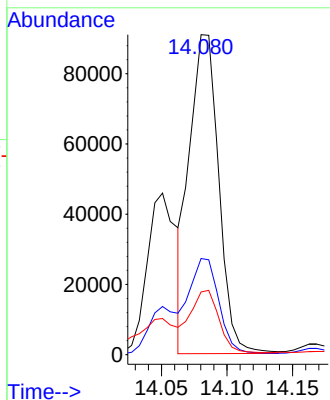
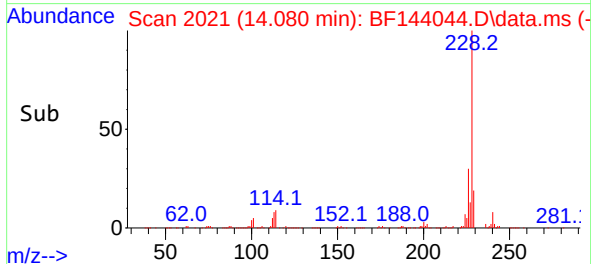
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288



Tgt Ion:228 Resp: 142035
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 19.6 15.9 23.9

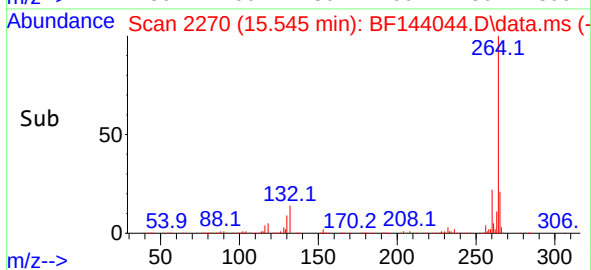
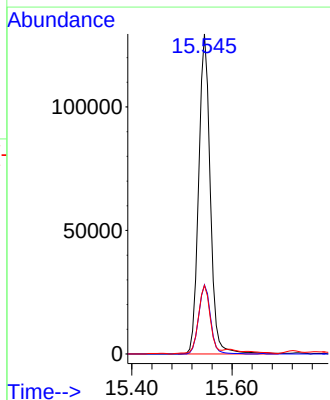
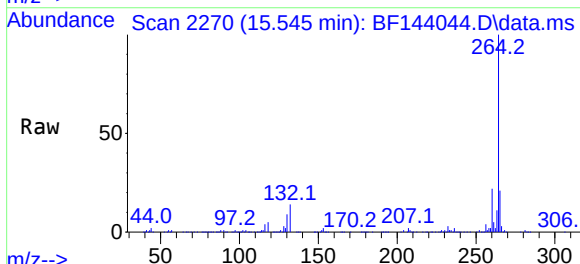
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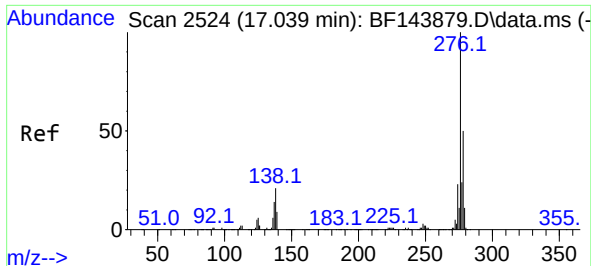
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

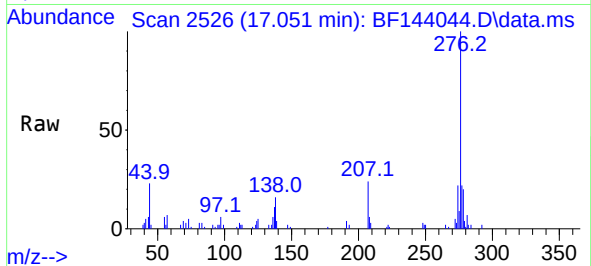
Tgt Ion:264 Resp: 207983
Ion Ratio Lower Upper
264 100
260 21.6 17.8 26.8
265 21.5 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.349 ng
RT: 17.051 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18

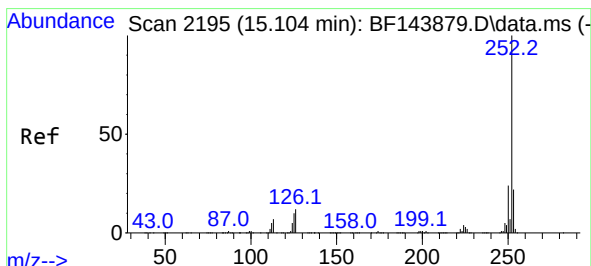
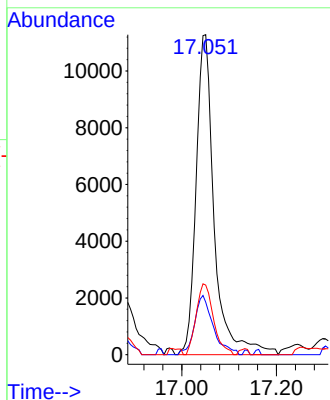
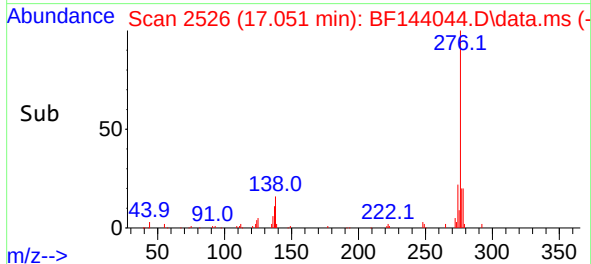
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288



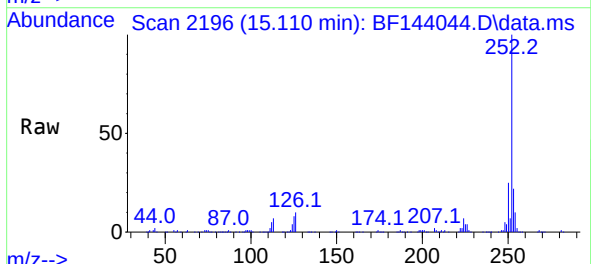
Tgt Ion:276 Resp: 2993
Ion Ratio Lower Upper
276 100
138 19.1 18.2 27.2
277 21.1 19.8 29.6

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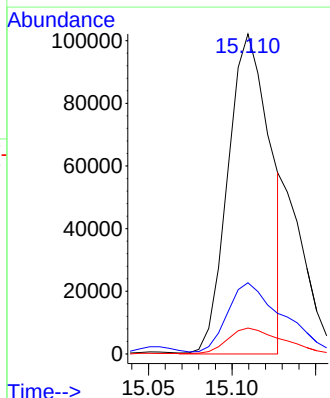
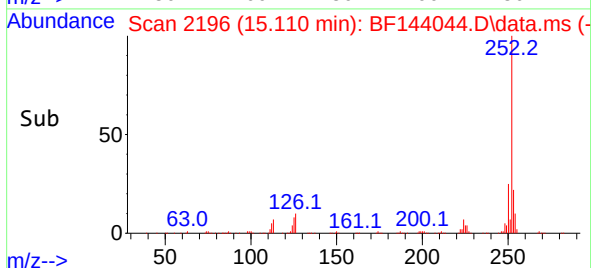
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

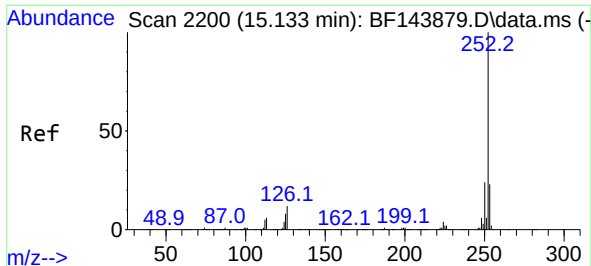


#88
Benzo(b)fluoranthene
Concen: 15.036 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144044.D
Acq: 22 Oct 2025 16:18



Tgt Ion:252 Resp: 179633
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 8.1 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 4.768 ng m

RT: 15.127 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF144044.D

Acq: 22 Oct 2025 16:18

Instrument :

BNA_F

ClientSampleId :

MOO-25-0285-0288

Tgt Ion:252 Resp: 5270

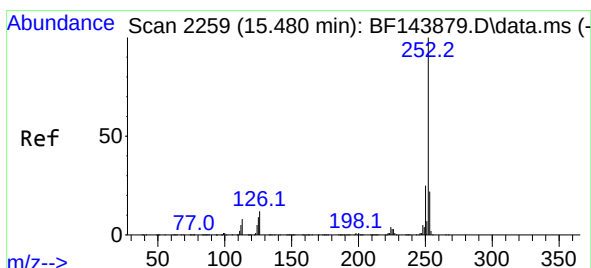
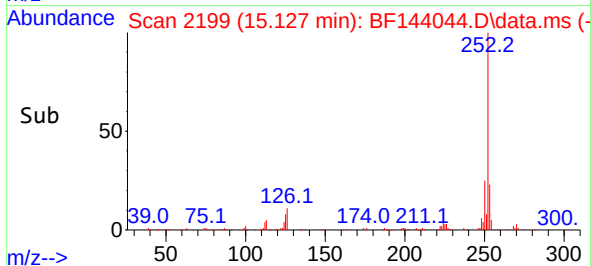
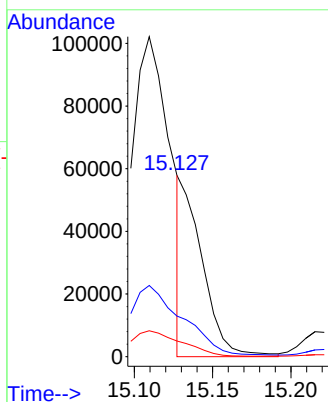
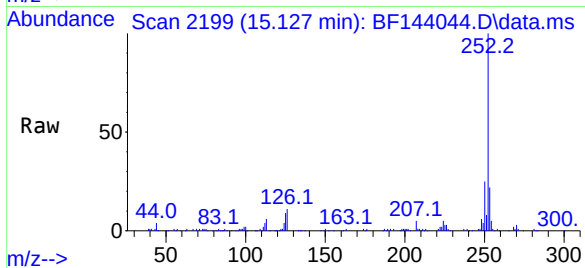
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	8.6	7.4	11.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#90

Benzo(a)pyrene

Concen: 5.234 ng

RT: 15.480 min Scan# 2259

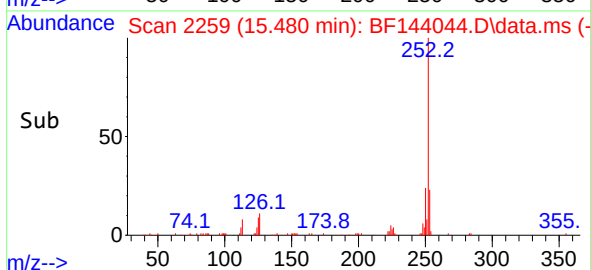
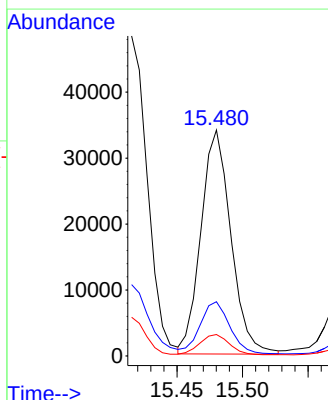
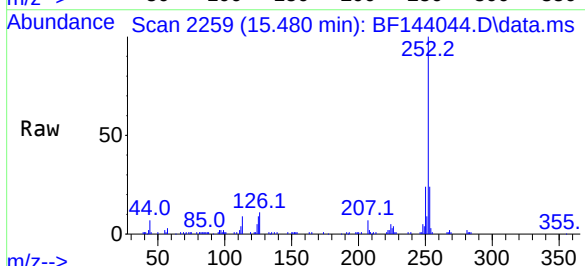
Delta R.T. -0.006 min

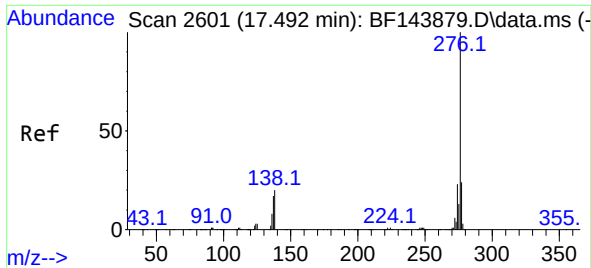
Lab File: BF144044.D

Acq: 22 Oct 2025 16:18

Tgt Ion:252 Resp: 54222

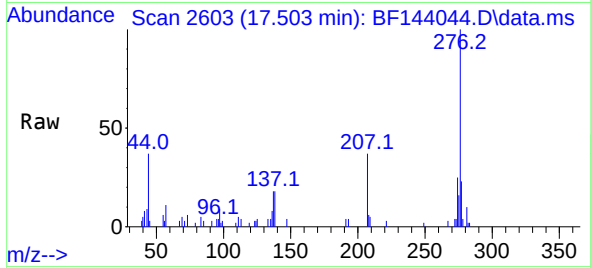
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	9.5	7.0	10.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.078 ng
 RT: 17.503 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF144044.D
 Acq: 22 Oct 2025 16:18

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0285-0288



Tgt Ion: 276 Resp: 21294

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.6
138	18.0	16.1	24.1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/23/2025
 Supervised By :Jagrut Upadhyay 10/23/2025

