

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144219.D
 Acq On : 11 Nov 2025 23:27
 Operator : RC/JU
 Sample : Q3593-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-LAW-25-0156-0166-COMP

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Jagrut Upadhyay 11/12/2025

Quant Time: Nov 12 03:47:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	75383	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	281536	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	98884	20.000	ng	0.01
64) Phenanthrene-d10	11.439	188	123160	20.000	ng	# 0.04
76) Chrysene-d12	14.074	240	164062	20.000	ng	0.02
86) Perylene-d12	15.545	264	200641	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	218702	45.400	ng	0.00
7) Phenol-d6	6.498	99	254703	46.664	ng	0.00
23) Nitrobenzene-d5	7.434	82	149995	30.770	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	47191	38.030	ng	0.02
45) 2-Fluorobiphenyl	9.233	172	253203	37.818	ng	0.00
79) Terphenyl-d14	13.021	244	180338	17.460	ng	0.03
Target Compounds						Qvalue
71) Phenanthrene	11.463	178	136432	22.249	ng	# 67
72) Anthracene	11.516	178	21275m	3.412	ng	
75) Fluoranthene	12.663	202	397765	62.795	ng	93
78) Pyrene	12.892	202	396315	29.960	ng	# 94
81) Benzo(a)anthracene	14.063	228	297762	26.187	ng	96
83) Chrysene	14.098	228	399612	38.070	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	34990	5.575	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.039	276	141013	9.791	ng	98
88) Benzo(b)fluoranthene	15.115	252	520606m	45.640	ng	
89) Benzo(k)fluoranthene	15.127	252	203966m	19.104	ng	
90) Benzo(a)pyrene	15.480	252	281723	26.771	ng	97
91) Dibenzo(a,h)anthracene	17.045	278	38915	3.364	ng	# 86
92) Benzo(g,h,i)perylene	17.492	276	126035	11.034	ng	98

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

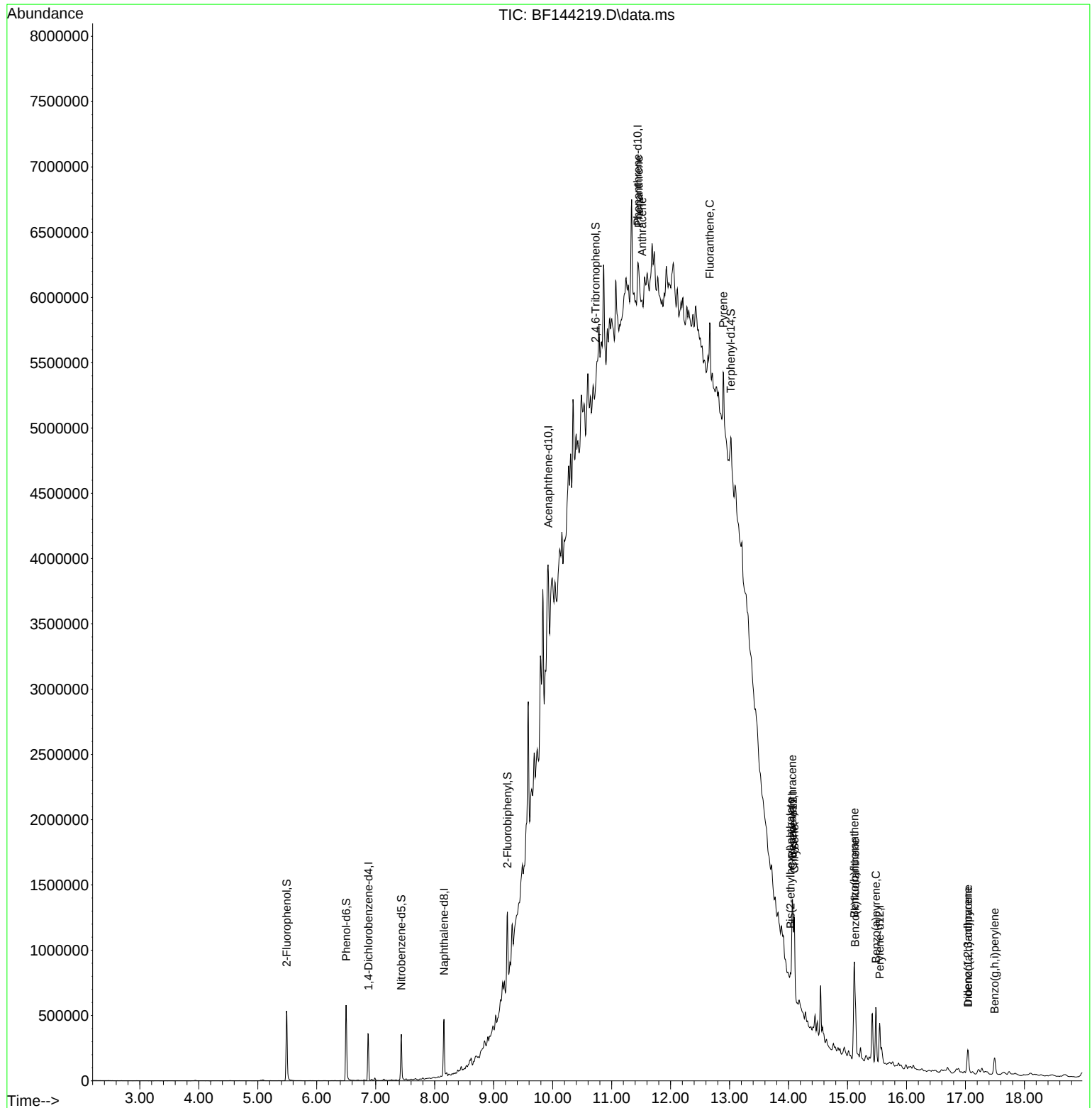
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144219.D
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ALS Vial : 14 Sample Multiplier: 1

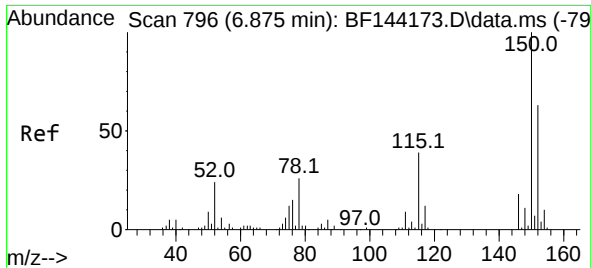
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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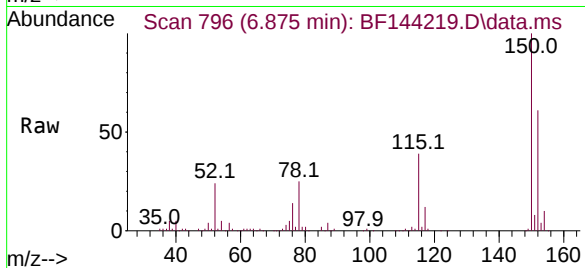
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

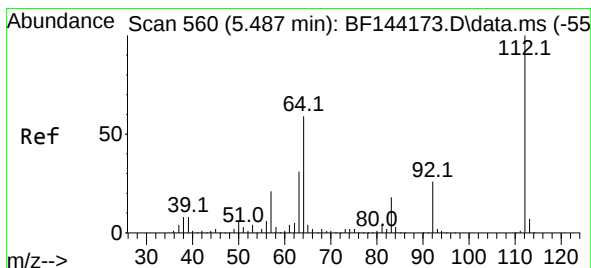
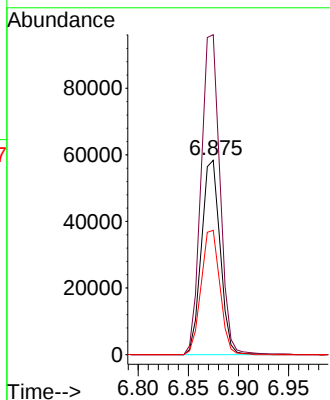
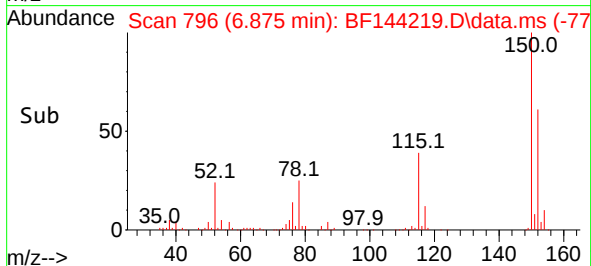
Instrument :
BNA_F
ClientSampleId :
C-LAW-25-0156-0166-COMP



Tgt Ion:152 Resp: 75383
Ion Ratio Lower Upper
152 100
150 164.7 127.4 191.0
115 63.9 49.5 74.3

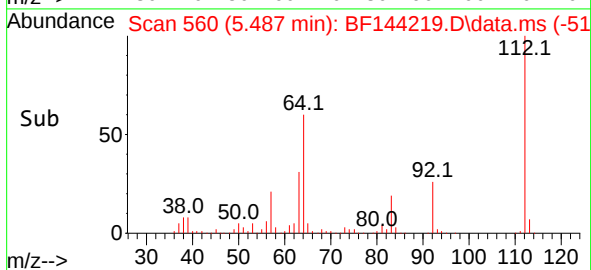
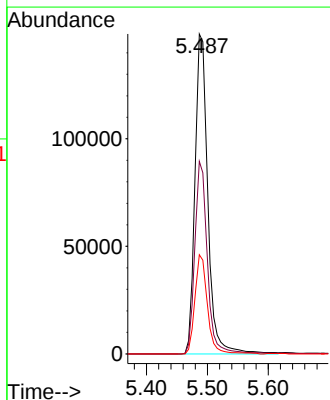
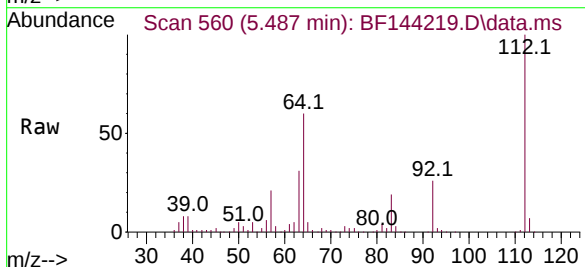
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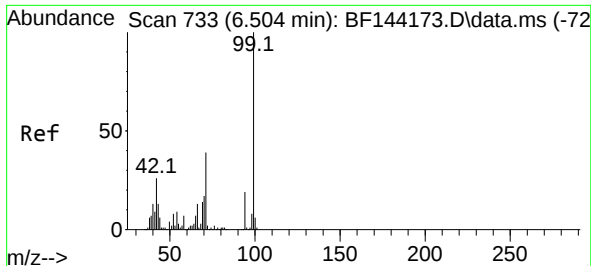
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#5
2-Fluorophenol
Concen: 45.400 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

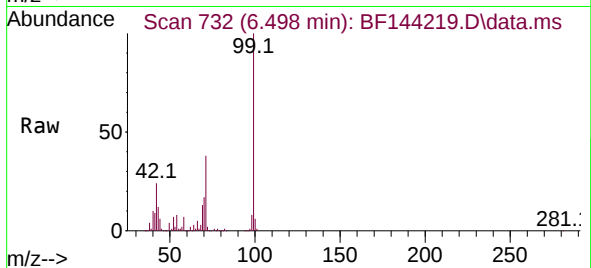
Tgt Ion:112 Resp: 218702
Ion Ratio Lower Upper
112 100
64 60.2 47.2 70.8
63 31.0 24.4 36.6





#7
Phenol-d6
Concen: 46.664 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

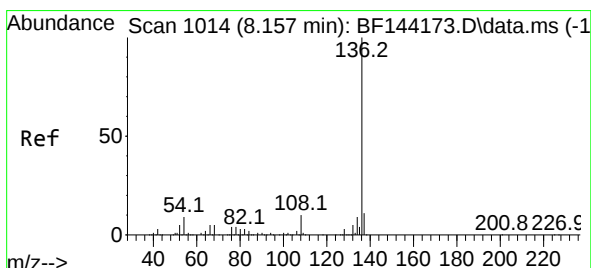
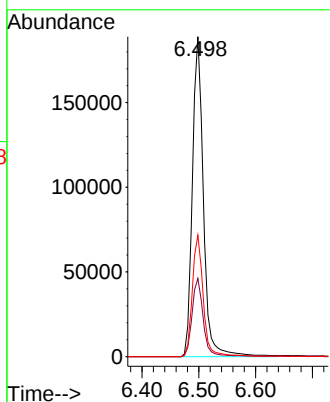
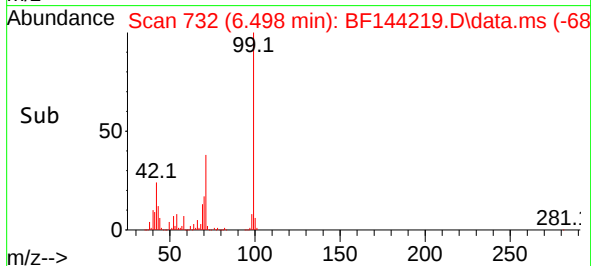
Instrument :
BNA_F
ClientSampleId :
C-LAW-25-0156-0166-COMP



Tgt Ion: 99 Resp: 254703
Ion Ratio Lower Upper
99 100
42 24.4 20.9 31.3
71 37.9 31.4 47.2

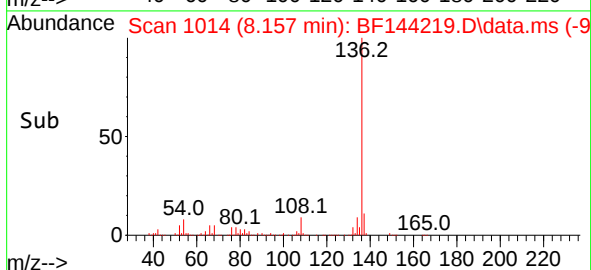
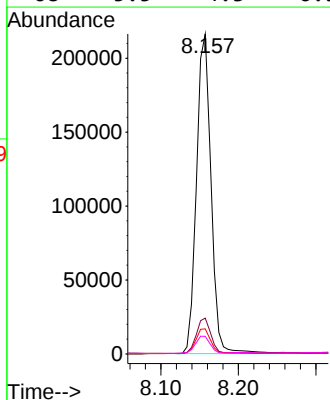
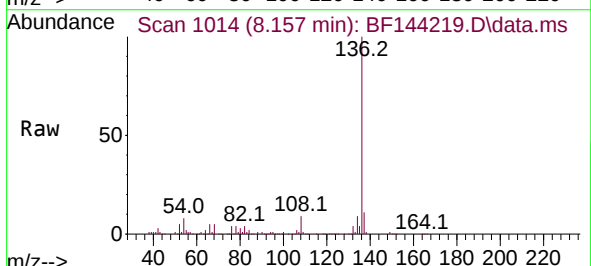
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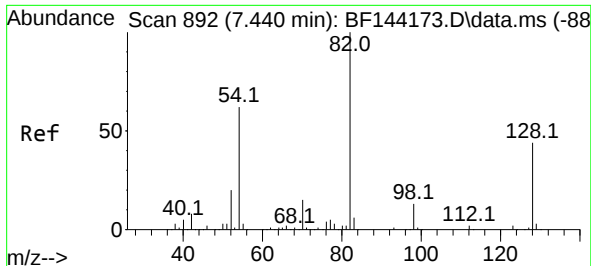
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

Tgt Ion:136 Resp: 281536
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.8 7.0 10.6
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 30.770 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF144219.D

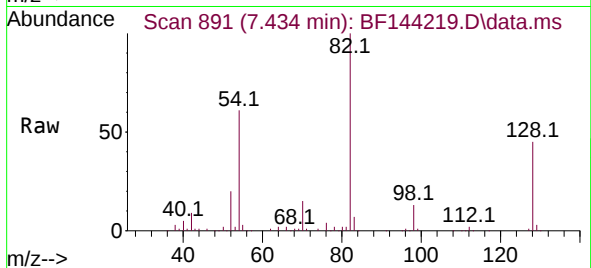
Acq: 11 Nov 2025 23:27

Instrument :

BNA_F

ClientSampleId :

C-LAW-25-0156-0166-COMP



Tgt Ion: 82 Resp: 149995

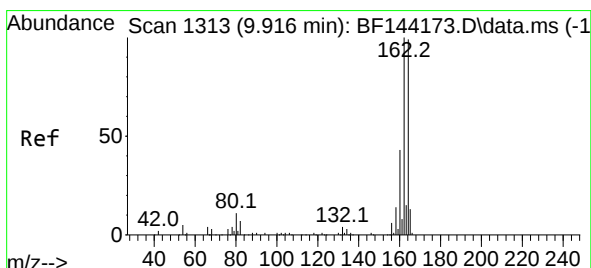
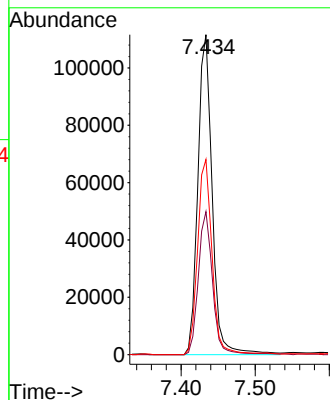
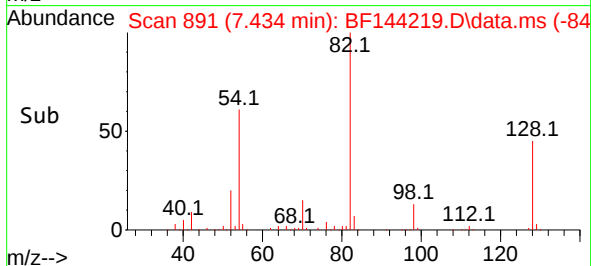
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.7	52.1
54	61.0	49.5	74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

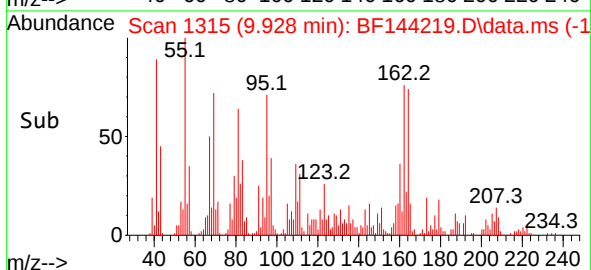
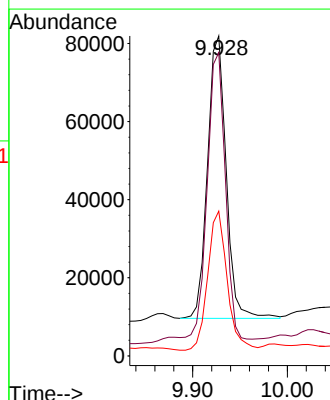
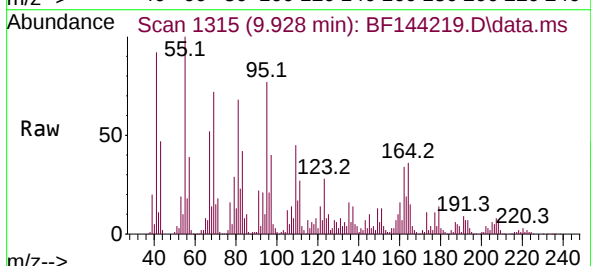
Delta R.T. 0.012 min

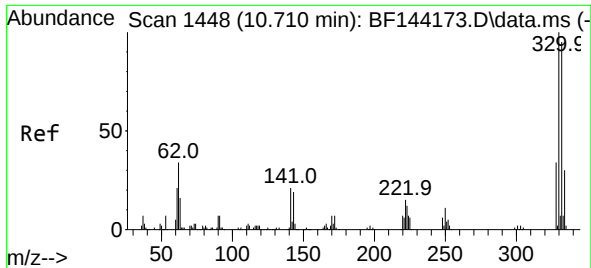
Lab File: BF144219.D

Acq: 11 Nov 2025 23:27

Tgt Ion:164 Resp: 98884

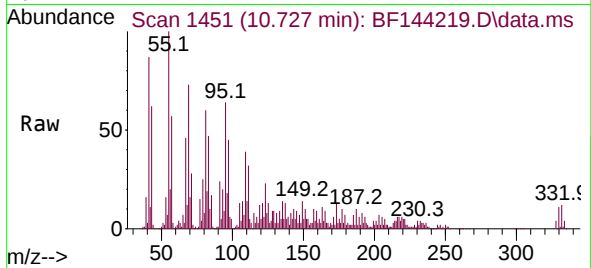
Ion	Ratio	Lower	Upper
164	100		
162	94.8	81.1	121.7
160	45.2	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 38.030 ng
RT: 10.727 min Scan# 1448
Delta R.T. 0.023 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

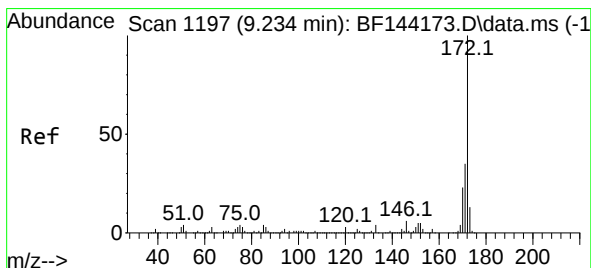
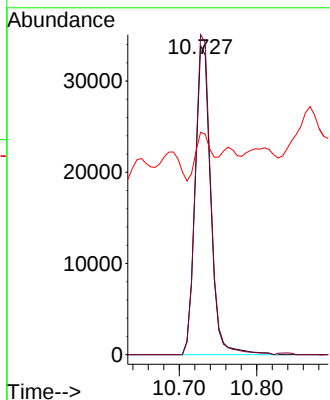
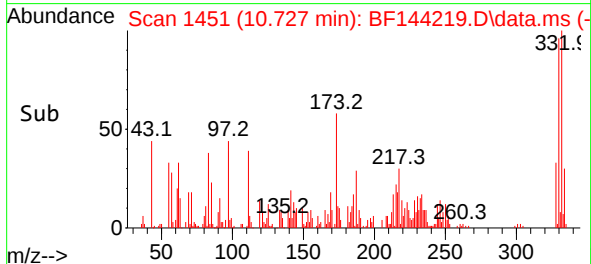
Instrument :
BNA_F
ClientSampleId :
C-LAW-25-0156-0166-COMP



Tgt Ion: 330 Resp: 47193
Ion Ratio Lower Upper
330 100
332 103.0 76.7 115.1
141 15.5 17.8 26.8

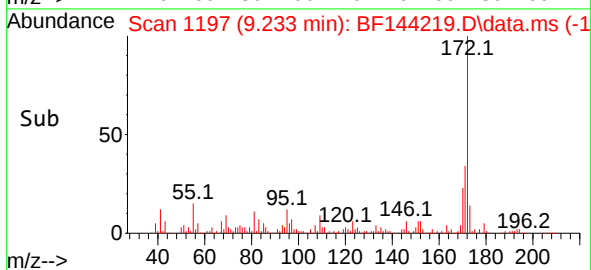
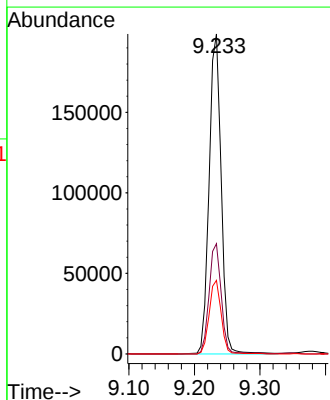
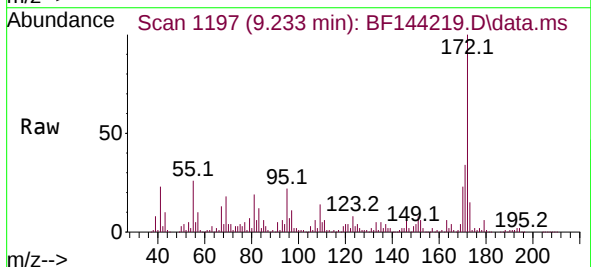
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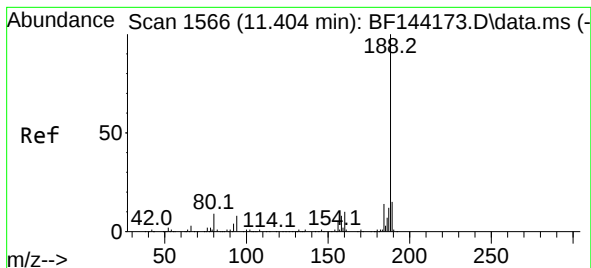
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#45
2-Fluorobiphenyl
Concen: 37.818 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

Tgt Ion: 172 Resp: 253203
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.0 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.035 min

Lab File: BF144219.D

Acq: 11 Nov 2025 23:27

Instrument :

BNA_F

ClientSampleId :

C-LAW-25-0156-0166-COMP

Tgt Ion:188 Resp: 123160

Ion Ratio Lower Upper

188 100

94 35.9 6.2 9.2

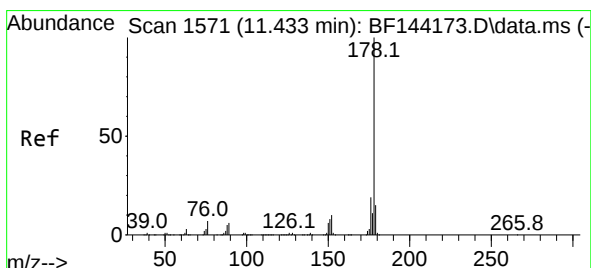
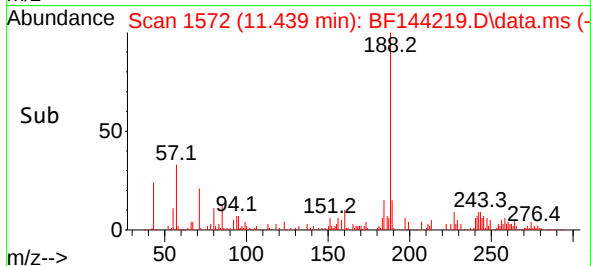
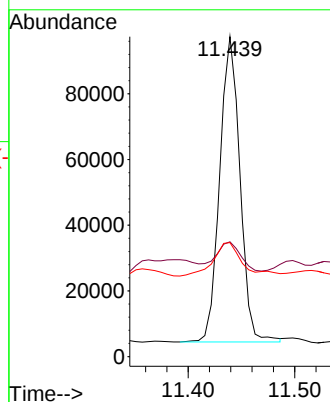
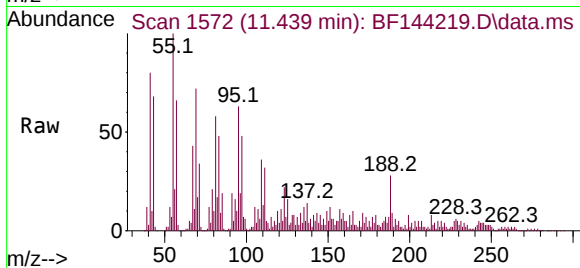
80 35.6 6.9 10.3

Manual Integrations

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Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#71

Phenanthrene

Concen: 22.249 ng

RT: 11.463 min Scan# 1576

Delta R.T. 0.035 min

Lab File: BF144219.D

Acq: 11 Nov 2025 23:27

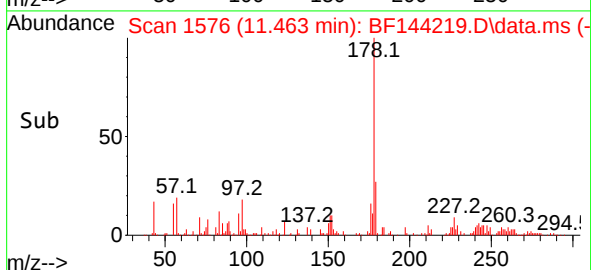
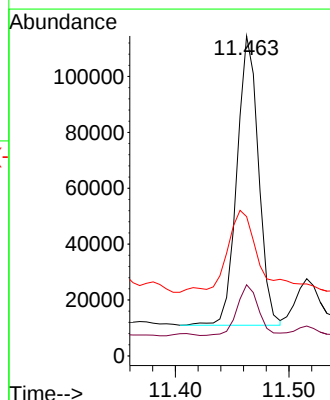
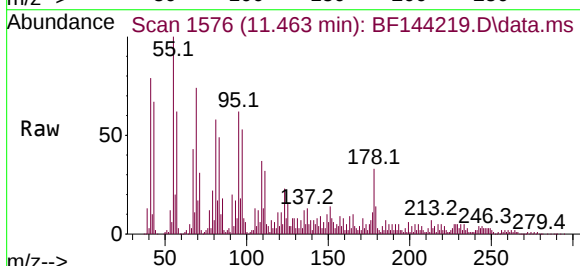
Tgt Ion:178 Resp: 136432

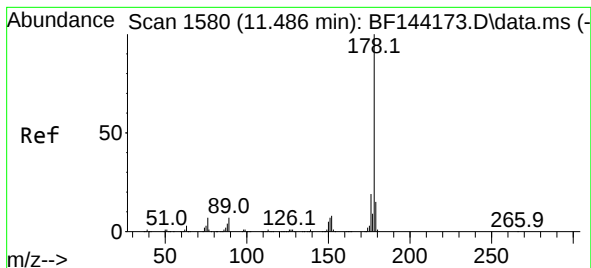
Ion Ratio Lower Upper

178 100

176 22.2 15.5 23.3

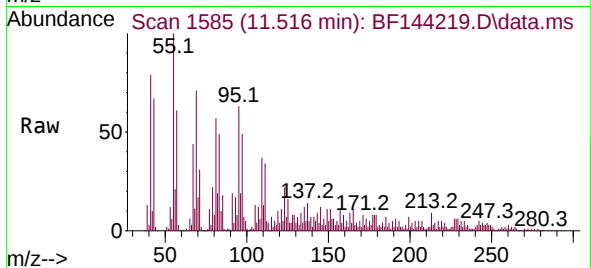
179 43.5 12.2 18.4





#72
 Anthracene
 Concen: 3.412 ng m
 RT: 11.516 min Scan# 11
 Delta R.T. 0.035 min
 Lab File: BF144219.D
 Acq: 11 Nov 2025 23:27

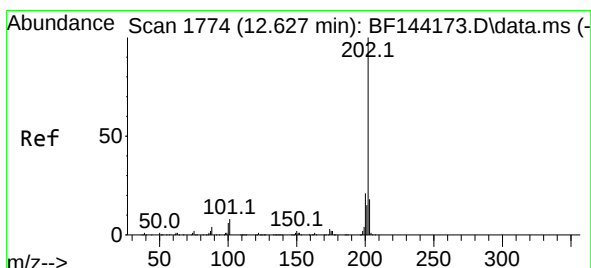
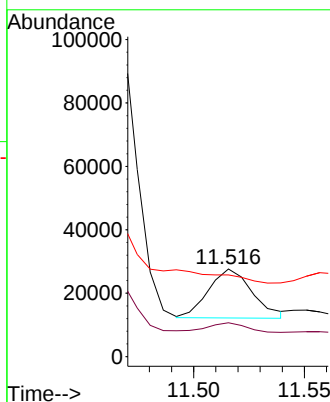
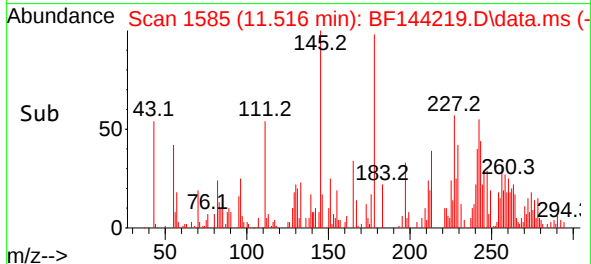
Instrument :
 BNA_F
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 C-LAW-25-0156-0166-COMP



Tgt Ion:178 Resp: 21275
 Ion Ratio Lower Upper
 178 100
 176 38.5 15.3 22.9
 179 93.2 12.0 18.0

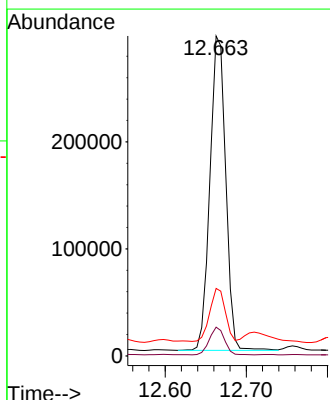
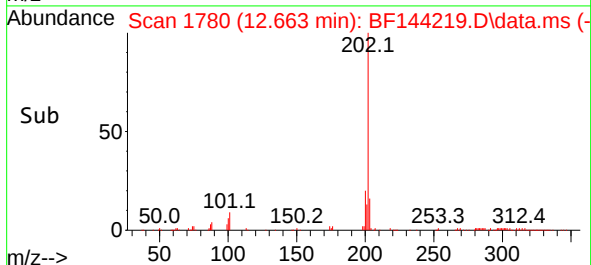
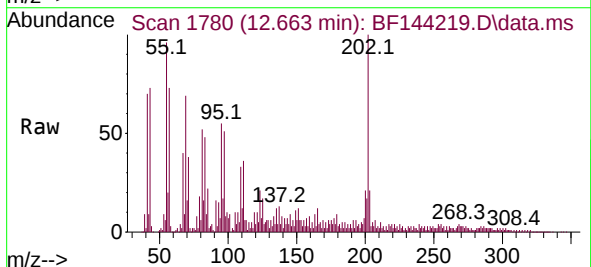
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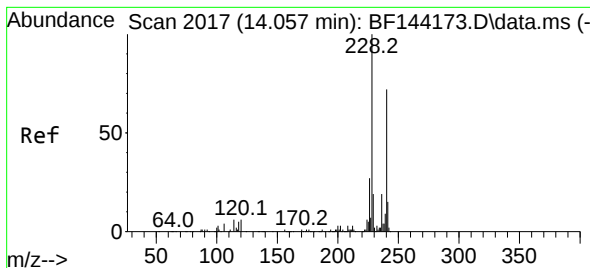
Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Jagrut Upadhyay 11/12/2025



#75
 Fluoranthene
 Concen: 62.795 ng
 RT: 12.663 min Scan# 1780
 Delta R.T. 0.041 min
 Lab File: BF144219.D
 Acq: 11 Nov 2025 23:27

Tgt Ion:202 Resp: 397765
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 27.9
 203 21.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2017

Delta R.T. 0.023 min

Lab File: BF144219.D

Acq: 11 Nov 2025 23:27

Instrument :

BNA_F

ClientSampleId :

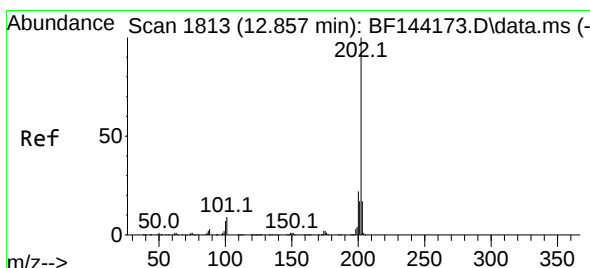
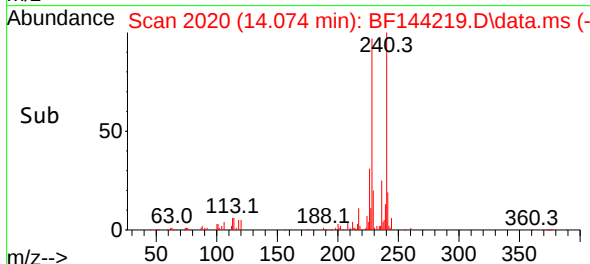
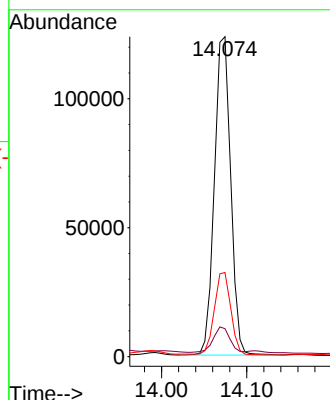
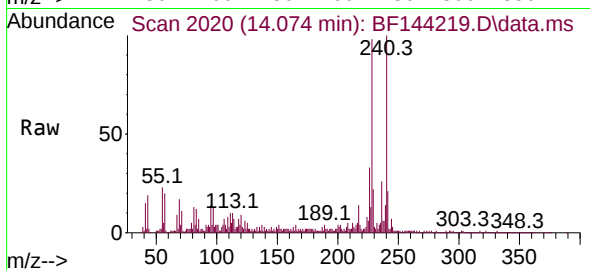
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Tgt Ion:240 Resp: 164062
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.6 10.0
 236 26.3 21.4 32.2

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#78

Pyrene

Concen: 29.960 ng

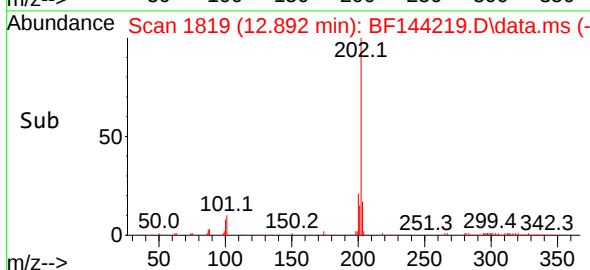
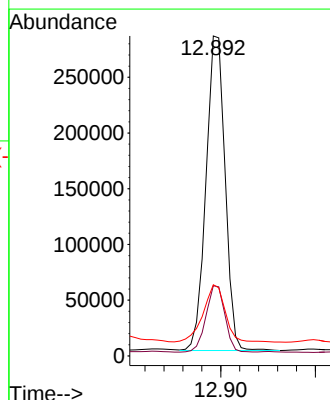
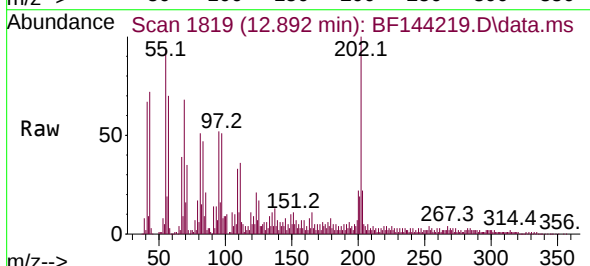
RT: 12.892 min Scan# 1819

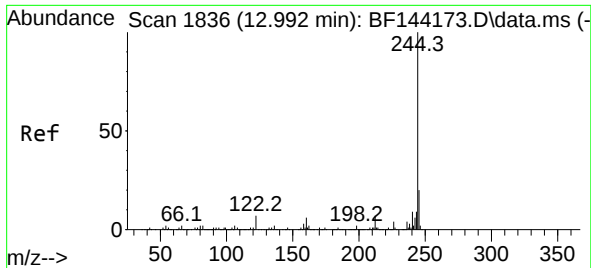
Delta R.T. 0.041 min

Lab File: BF144219.D

Acq: 11 Nov 2025 23:27

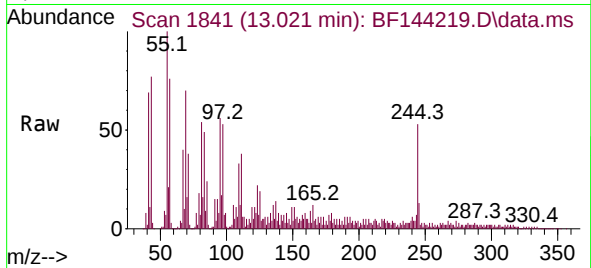
Tgt Ion:202 Resp: 396315
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.2 25.8
 203 22.2 13.7 20.5#





#79
Terphenyl-d14
Concen: 17.460 ng
RT: 13.021 min Scan# 1836
Delta R.T. 0.029 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

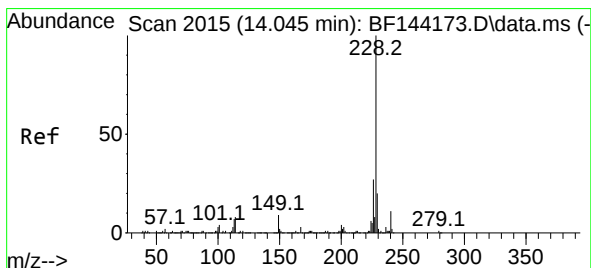
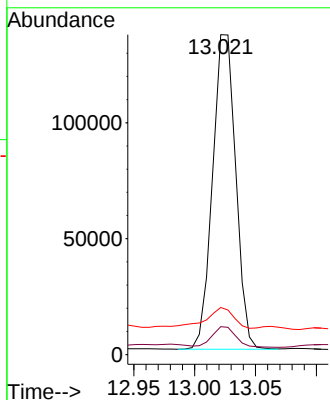
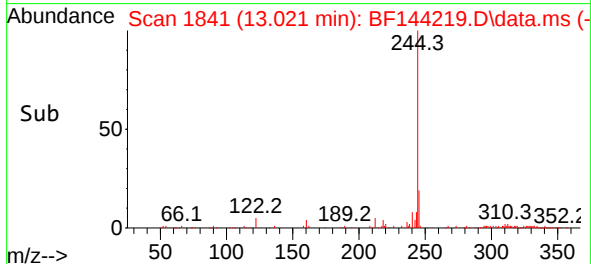
Instrument :
BNA_F
ClientSampleId :
C-LAW-25-0156-0166-COMP



Tgt Ion:244 Resp: 180338
Ion Ratio Lower Upper
244 100
212 8.7 5.3 7.9
122 14.7 5.6 8.4

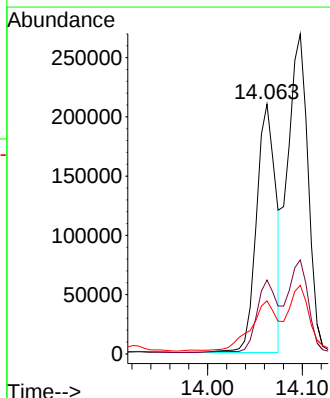
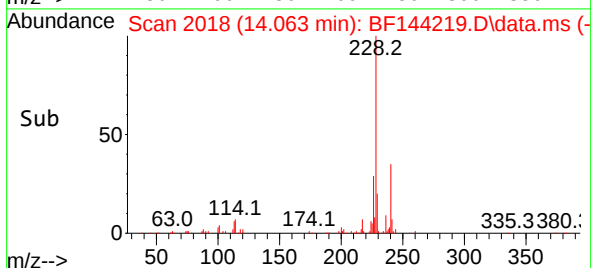
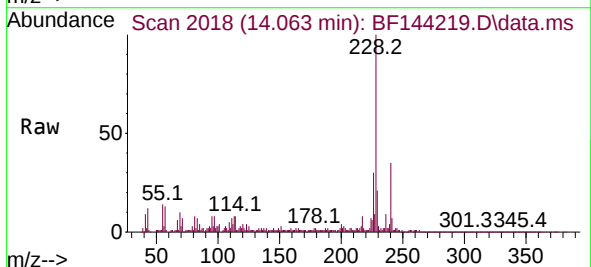
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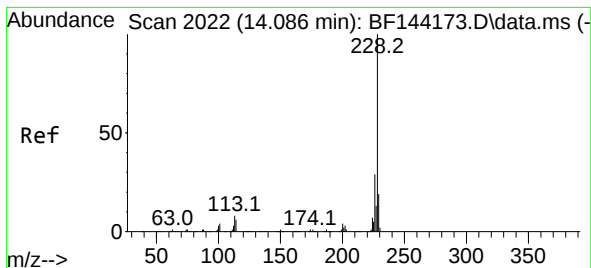
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#81
Benzo(a)anthracene
Concen: 26.187 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

Tgt Ion:228 Resp: 297762
Ion Ratio Lower Upper
228 100
226 29.6 21.8 32.8
229 21.3 15.8 23.6





#83

Chrysene

Concen: 38.070 ng

RT: 14.098 min Scan# 2013

Delta R.T. 0.018 min

Lab File: BF144219.D

Acq: 11 Nov 2025 23:27

Instrument :

BNA_F

ClientSampleId :

C-LAW-25-0156-0166-COMP

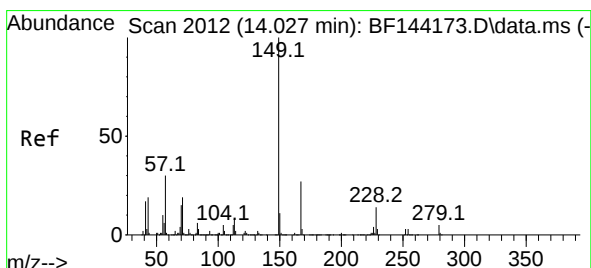
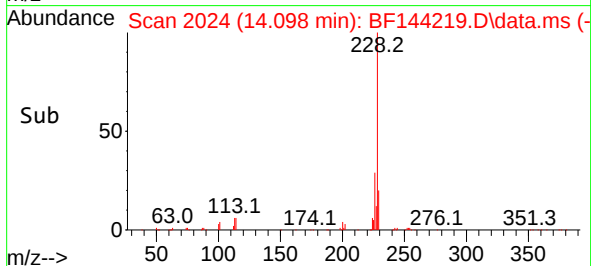
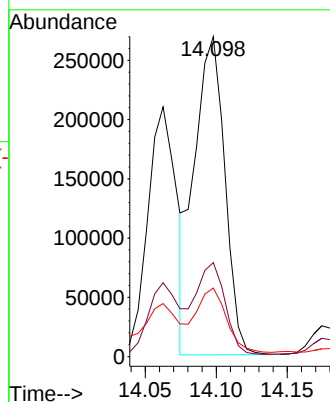
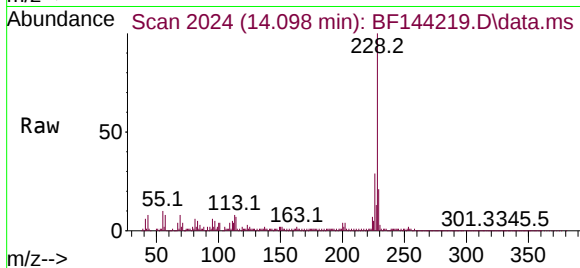
Tgt Ion:	228	Resp:	399612
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.9	34.3
229	21.4	15.0	22.6

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Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.575 ng

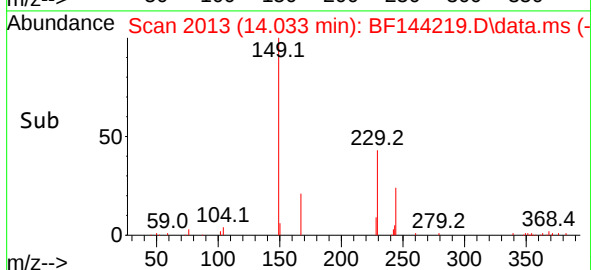
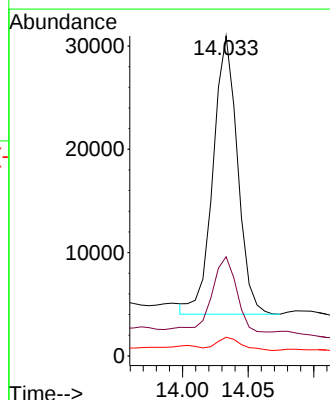
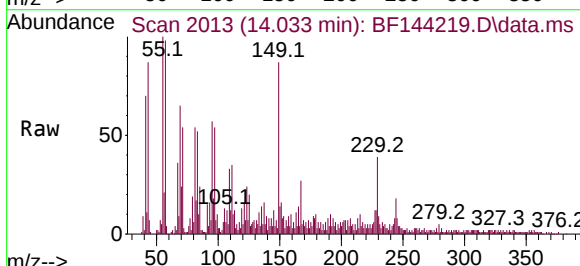
RT: 14.033 min Scan# 2013

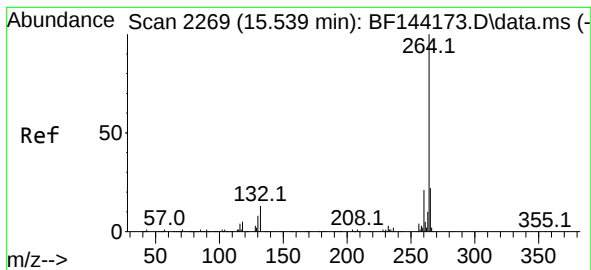
Delta R.T. 0.006 min

Lab File: BF144219.D

Acq: 11 Nov 2025 23:27

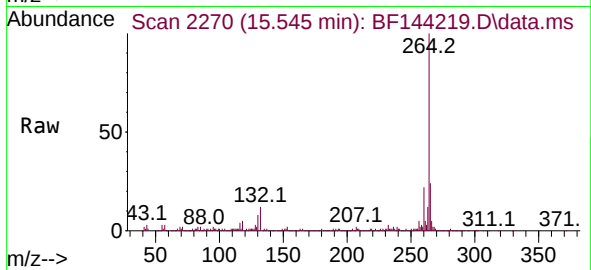
Tgt Ion:	149	Resp:	34990
Ion Ratio	Lower	Upper	
149	100		
167	31.0	21.8	32.8
279	5.8	3.7	5.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

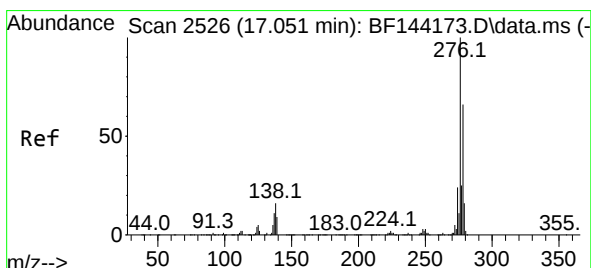
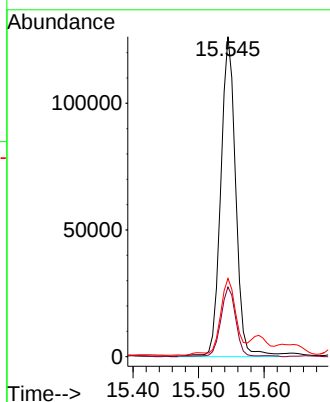
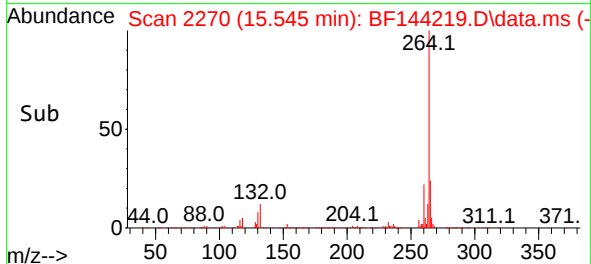
Instrument :
BNA_F
ClientSampleId :
C-LAW-25-0156-0166-COMP



Tgt Ion:264 Resp: 20064
Ion Ratio Lower Upper
264 100
260 21.7 17.1 25.7
265 24.4 17.4 26.0

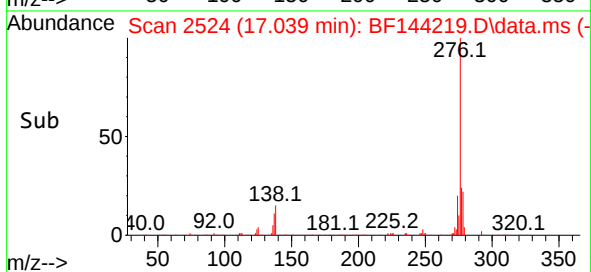
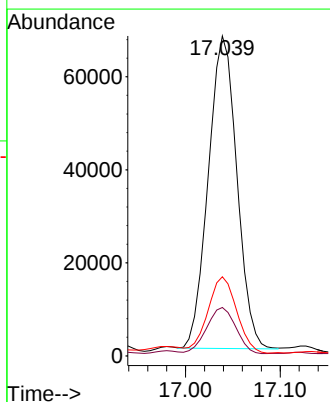
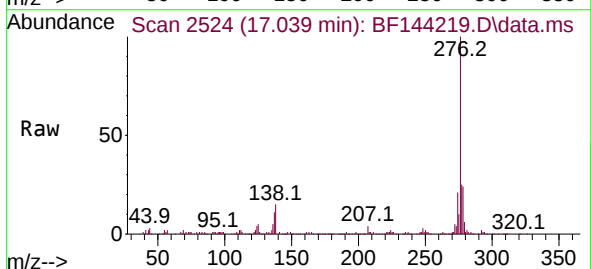
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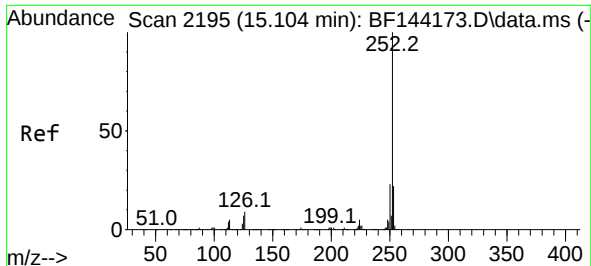
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.791 ng
RT: 17.039 min Scan# 2524
Delta R.T. 0.006 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

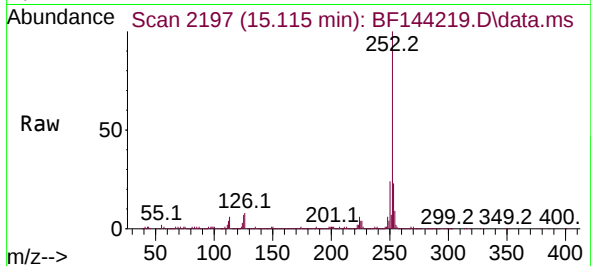
Tgt Ion:276 Resp: 141013
Ion Ratio Lower Upper
276 100
138 15.3 13.9 20.9
277 24.8 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 45.640 ng m
RT: 15.115 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

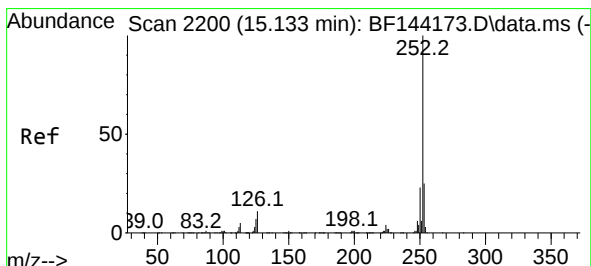
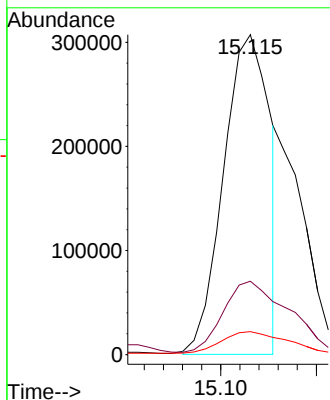
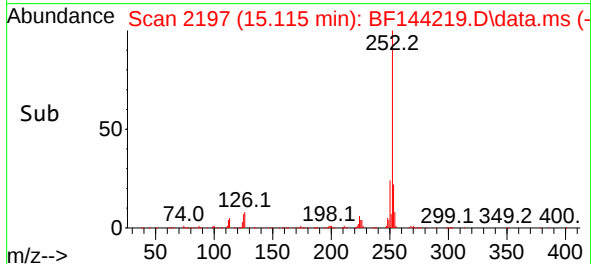
Instrument :
BNA_F
ClientSampleId :
C-LAW-25-0156-0166-COMP



Tgt Ion:252 Resp: 520600
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 7.2 5.3 7.9

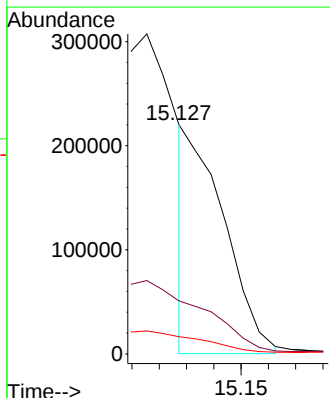
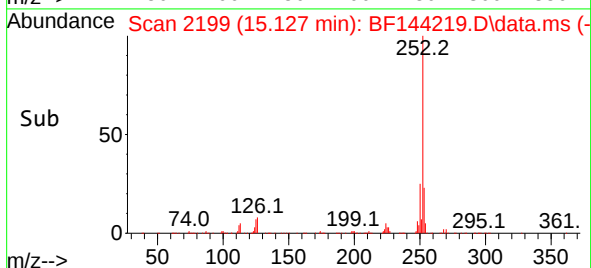
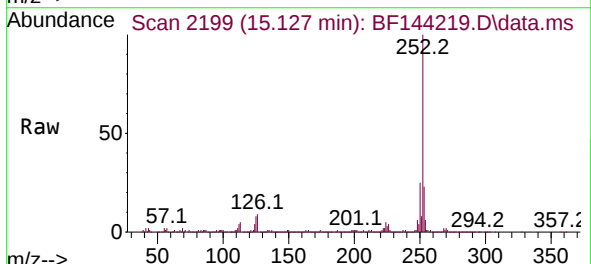
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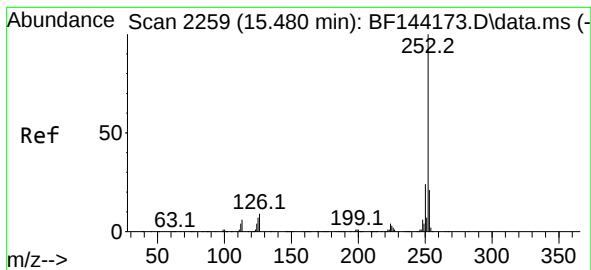
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#89
Benzo(k)fluoranthene
Concen: 19.104 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

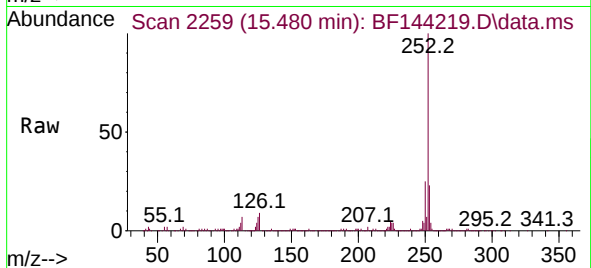
Tgt Ion:252 Resp: 203966
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 7.5 5.4 8.2





#90
Benzo(a)pyrene
Concen: 26.771 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.006 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27

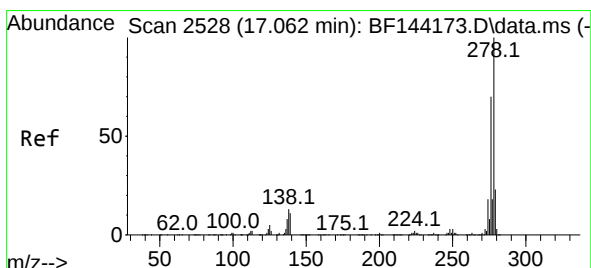
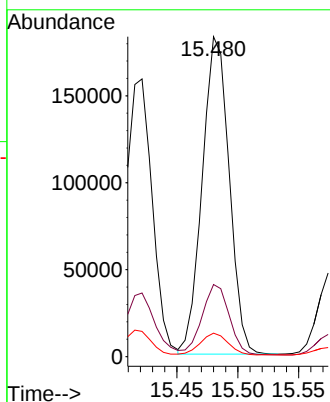
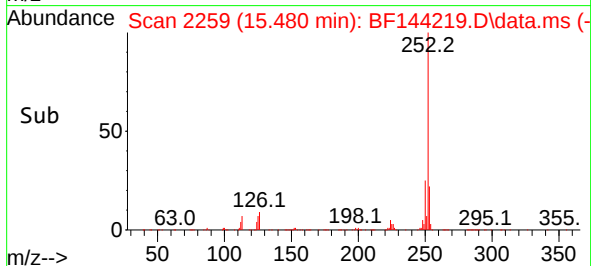
Instrument :
BNA_F
ClientSampleId :
C-LAW-25-0156-0166-COMP



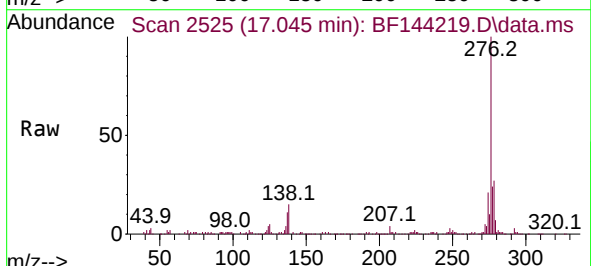
Tgt Ion:252 Resp: 281723
Ion Ratio Lower Upper
252 100
253 22.5 16.7 25.1
125 7.3 5.7 8.5

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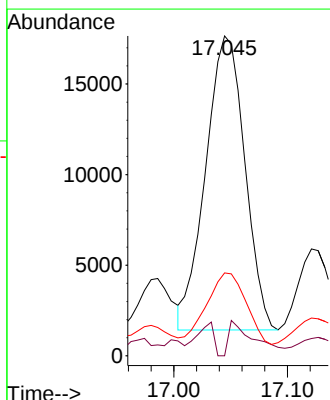
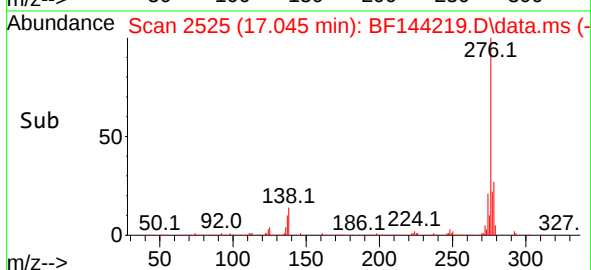
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

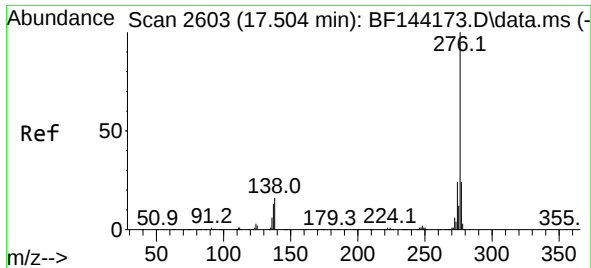


#91
Dibenzo(a,h)anthracene
Concen: 3.364 ng
RT: 17.045 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF144219.D
Acq: 11 Nov 2025 23:27



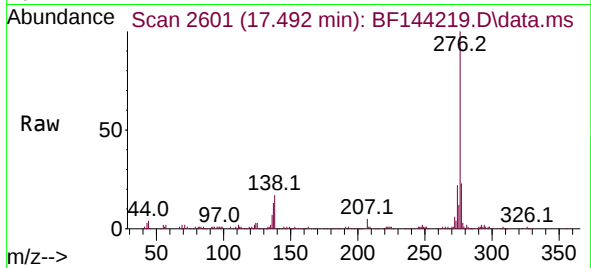
Tgt Ion:278 Resp: 38915
Ion Ratio Lower Upper
278 100
139 0.0 9.1 13.7#
279 25.9 18.2 27.4





#92
 Benzo(g,h,i)perylene
 Concen: 11.034 ng
 RT: 17.492 min Scan# 2601
 Delta R.T. -0.000 min
 Lab File: BF144219.D
 Acq: 11 Nov 2025 23:27

Instrument :
 BNA_F
 ClientSampleId :
 C-LAW-25-0156-0166-COMP



Tgt Ion:276 Resp: 126035
 Ion Ratio Lower Upper
 276 100
 277 22.7 19.0 28.4
 138 16.8 12.9 19.3

Manual Integrations
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Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Jagrut Upadhyay 11/12/2025

