

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144365.D
 Acq On : 26 Nov 2025 17:12
 Operator : RC/JU
 Sample : Q3719-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-11A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 17:33:06 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	6.863	152	56499	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	215321	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	115085	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	175885	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134346	20.000	ng	-0.01
86) Perylene-d12	15.521	264	175772	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	297930	82.519	ng	0.00
7) Phenol-d6	6.492	99	349154	85.348	ng	0.00
23) Nitrobenzene-d5	7.422	82	211086	56.619	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	108691	75.261	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	436414	56.007	ng	-0.01
79) Terphenyl-d14	12.980	244	337489	39.902	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	21118	2.412	ng	99
75) Fluoranthene	12.610	202	54838	6.062	ng	98
78) Pyrene	12.839	202	50313	4.645	ng	97
81) Benzo(a)anthracene	14.033	228	49123m	5.276	ng	
83) Chrysene	14.068	228	39469	4.592	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	25485	2.020	ng	# 93
88) Benzo(b)fluoranthene	15.092	252	56507m	5.655	ng	
89) Benzo(k)fluoranthene	15.104	252	25262m	2.701	ng	
90) Benzo(a)pyrene	15.463	252	45528	4.939	ng	# 94
92) Benzo(g,h,i)perylene	17.474	276	21925	2.191	ng	# 91

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

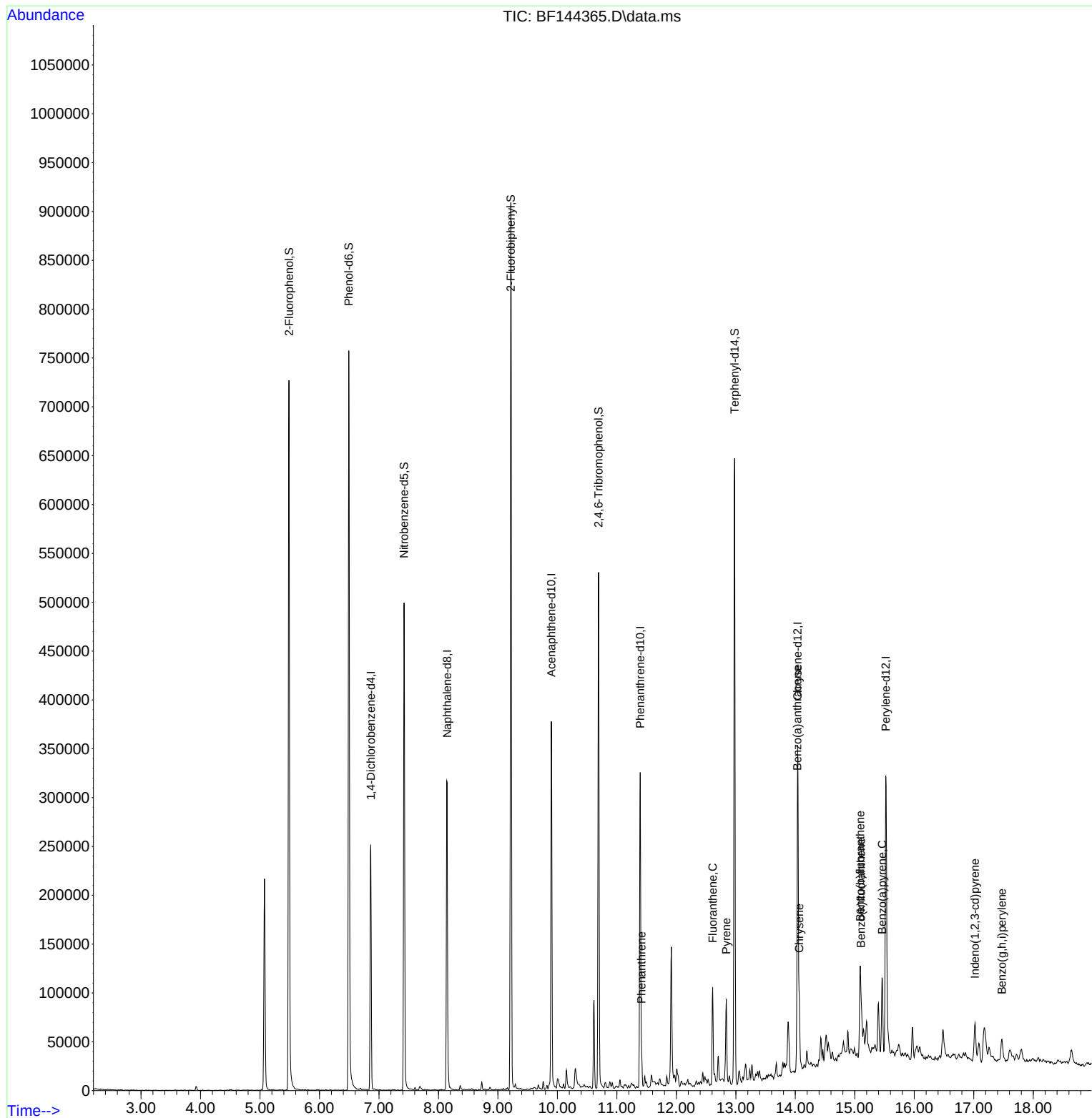
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
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ALS Vial : 9 Sample Multiplier: 1

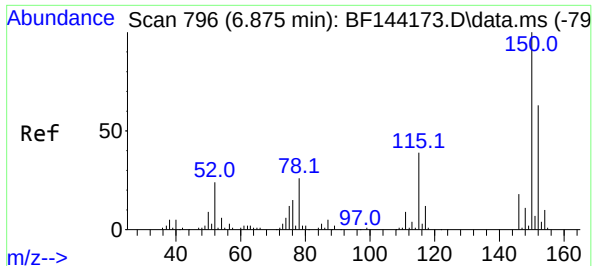
Instrument :
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SB-1125-11A

Quant Time: Nov 26 17:33:06 2025
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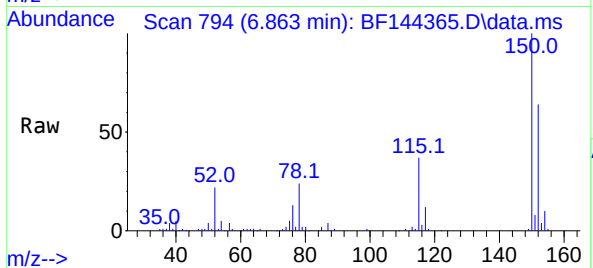
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

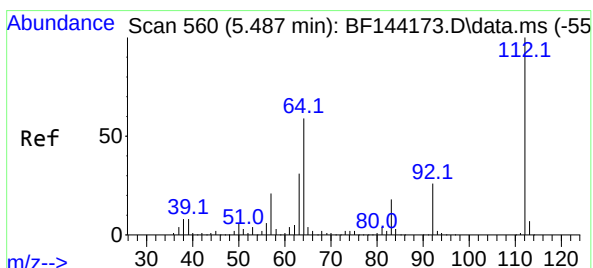
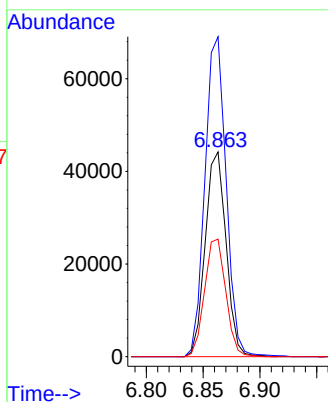
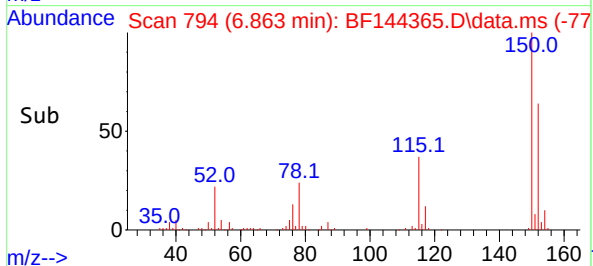
Instrument :
BNA_F
ClientSampleId :
SB-1125-11A



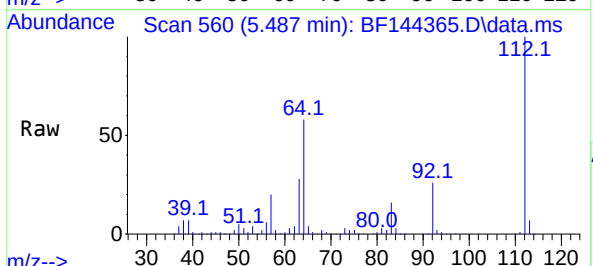
Tgt Ion:152 Resp: 56499
Ion Ratio Lower Upper
152 100
150 156.3 127.4 191.0
115 57.5 49.5 74.3

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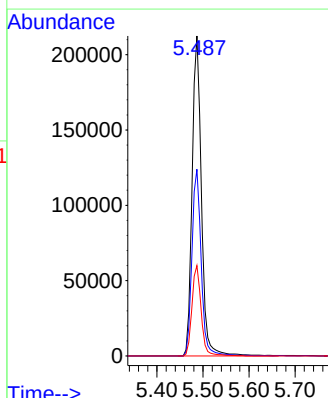
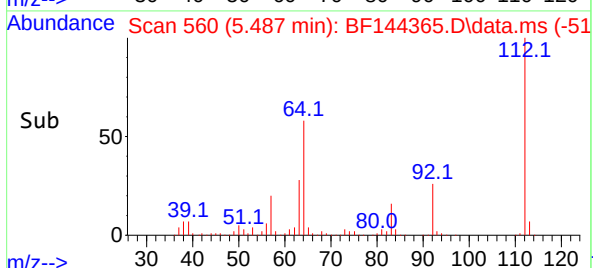
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



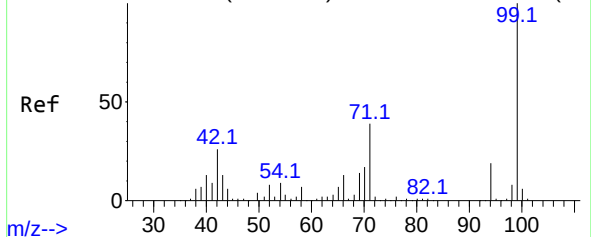
#5
2-Fluorophenol
Concen: 82.519 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



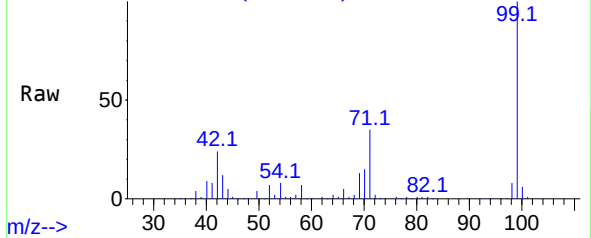
Tgt Ion:112 Resp: 297930
Ion Ratio Lower Upper
112 100
64 58.3 47.2 70.8
63 28.3 24.4 36.6



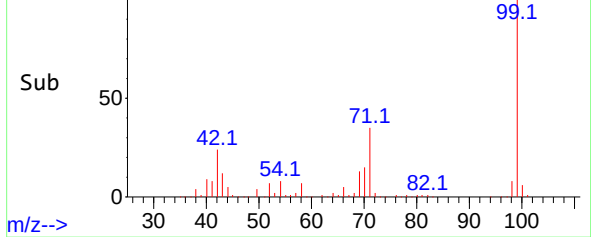
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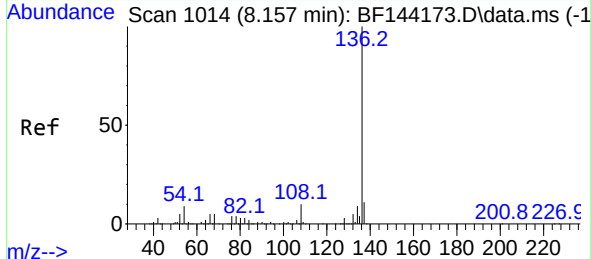
m/z--> Scan 731 (6.492 min): BF144365.D\data.ms



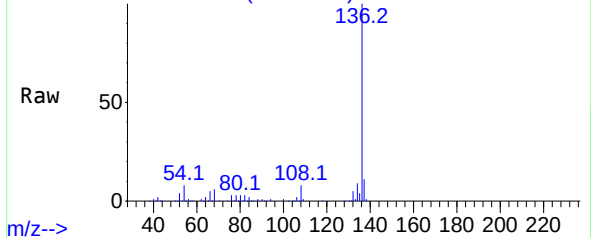
m/z--> Scan 731 (6.492 min): BF144365.D\data.ms (-68



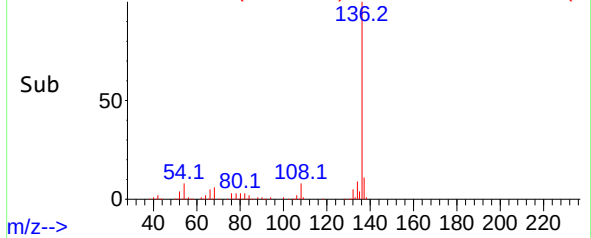
m/z--> Scan 1014 (8.157 min): BF144173.D\data.ms (-1



m/z--> Scan 1012 (8.145 min): BF144365.D\data.ms



m/z--> Scan 1012 (8.145 min): BF144365.D\data.ms (-9



m/z-->

#7
Phenol-d6
Concen: 85.348 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Tgt Ion: 99 Resp: 349154
Ion Ratio Lower Upper
99 100
42 24.3 20.9 31.3
71 34.7 31.4 47.2

Instrument :

BNA_F

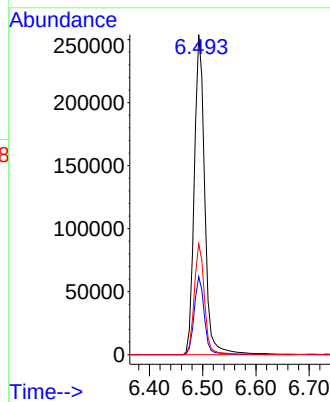
ClientSampleId :

SB-1125-11A

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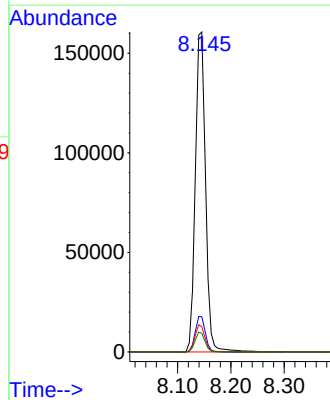
APPROVED

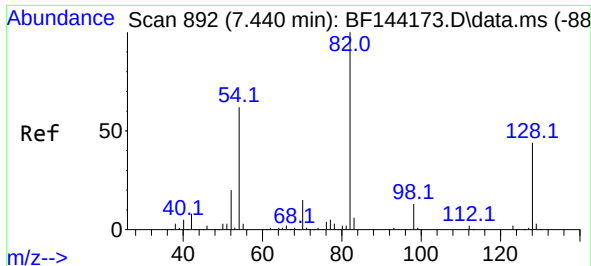
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Tgt Ion:136 Resp: 215321
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.9 7.0 10.6
68 5.9 4.3 6.5





#23

Nitrobenzene-d5

Concen: 56.619 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-11A

Tgt Ion: 82 Resp: 211086

Ion Ratio Lower Upper

82 100

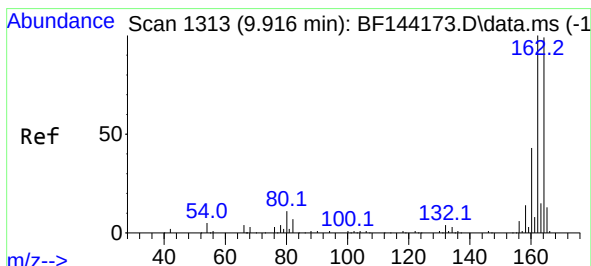
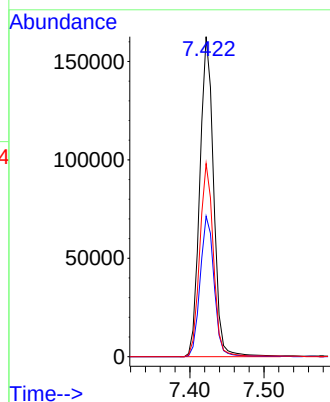
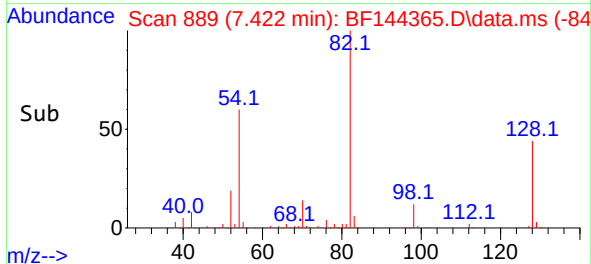
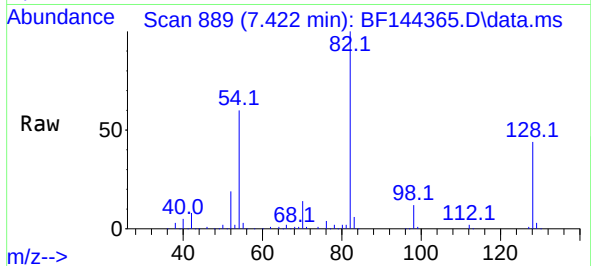
128 43.9 34.7 52.1

54 60.4 49.5 74.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

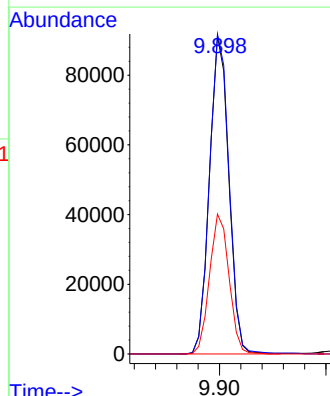
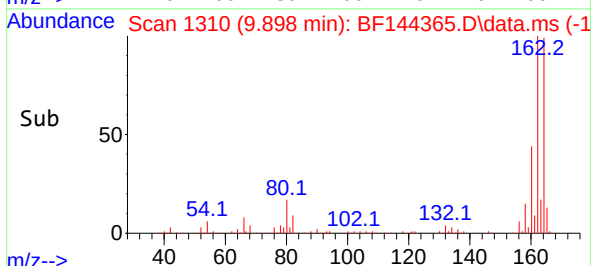
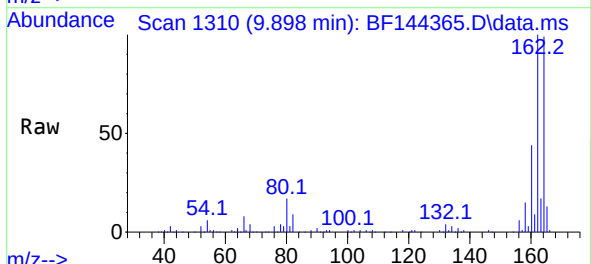
Tgt Ion:164 Resp: 115085

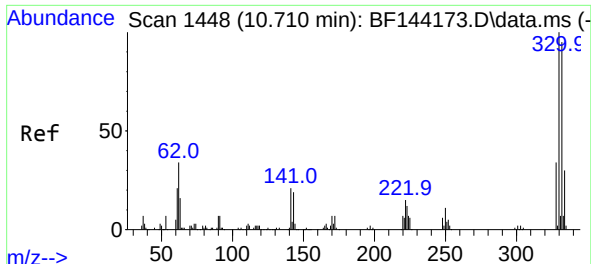
Ion Ratio Lower Upper

164 100

162 100.6 81.1 121.7

160 44.0 34.5 51.7





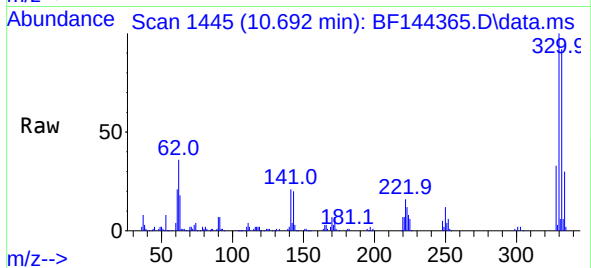
#42
2,4,6-Tribromophenol
Concen: 75.261 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-11A

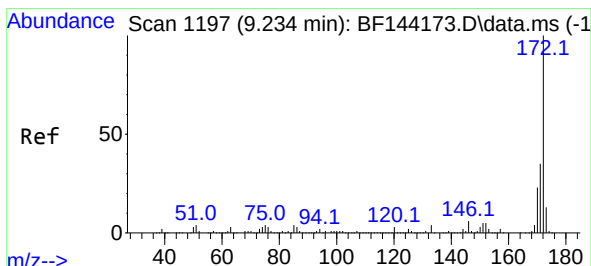
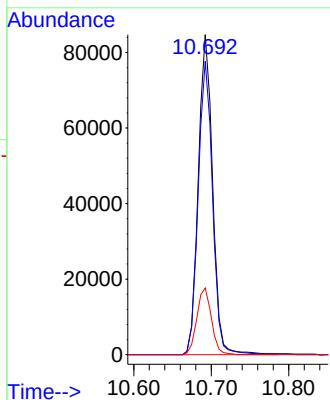
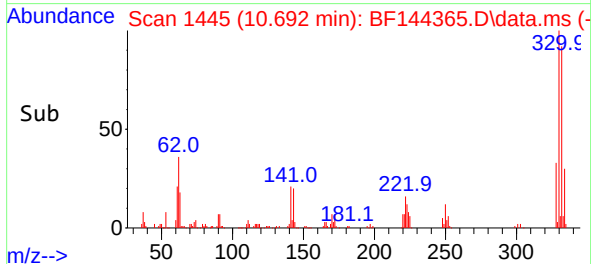


Tgt Ion:330 Resp: 10869
Ion Ratio Lower Upper
330 100
332 92.1 76.7 115.1
141 21.1 17.8 26.8

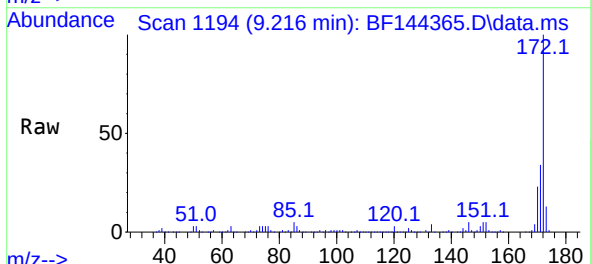
Manual Integrations

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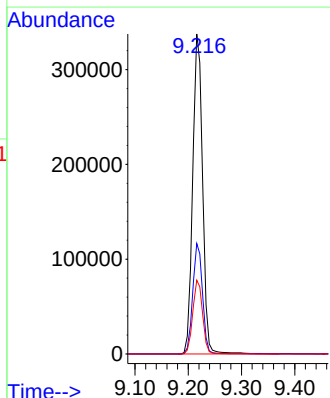
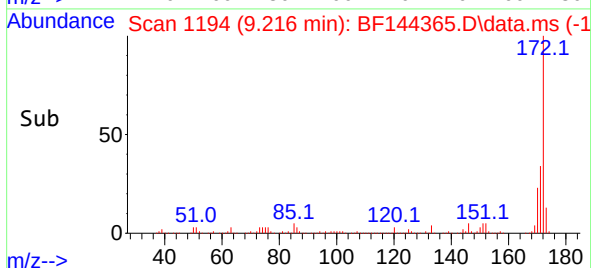
Reviewed By :Jagrut Upadhyay 12/02/2025
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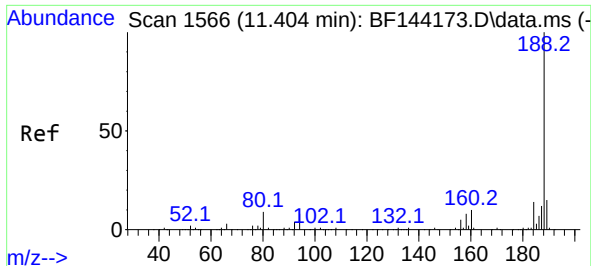


#45
2-Fluorobiphenyl
Concen: 56.007 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



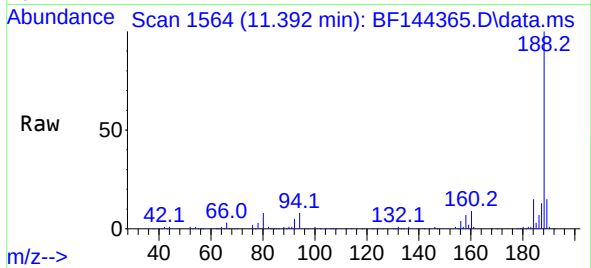
Tgt Ion:172 Resp: 436414
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.1 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

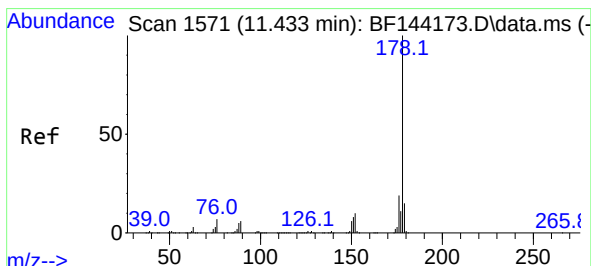
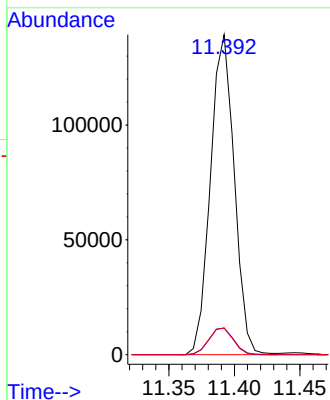
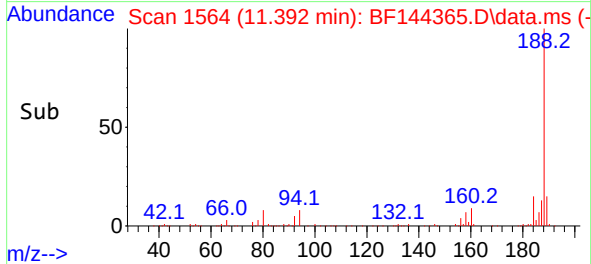
Instrument :
BNA_F
ClientSampleId :
SB-1125-11A



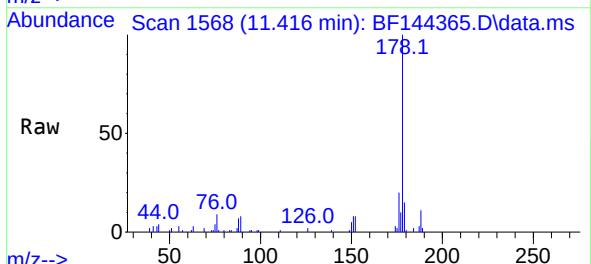
Tgt Ion:188 Resp: 17588
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 8.3 6.9 10.3

Manual Integrations
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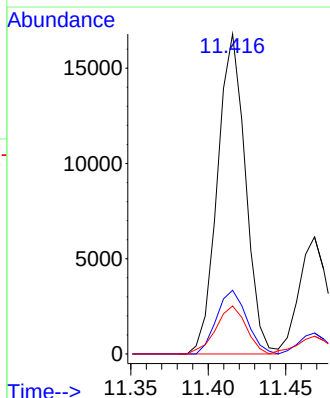
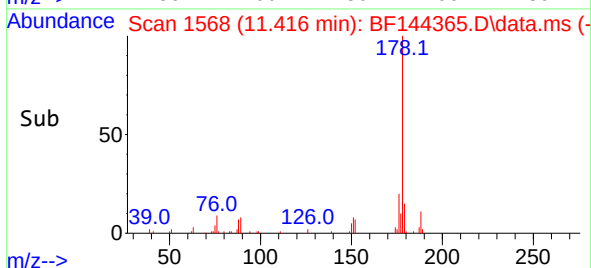
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

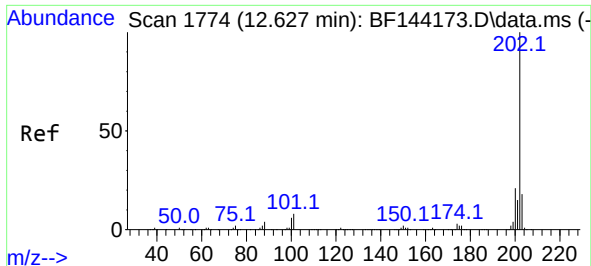


#71
Phenanthrene
Concen: 2.412 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



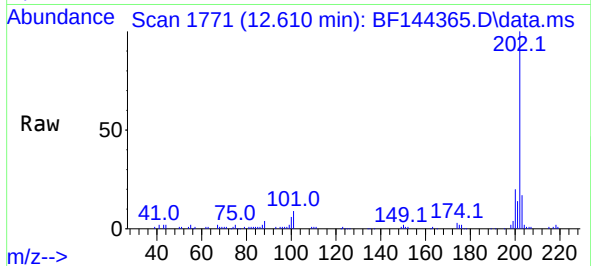
Tgt Ion:178 Resp: 21118
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.0 12.2 18.4





#75
Fluoranthene
Concen: 6.062 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

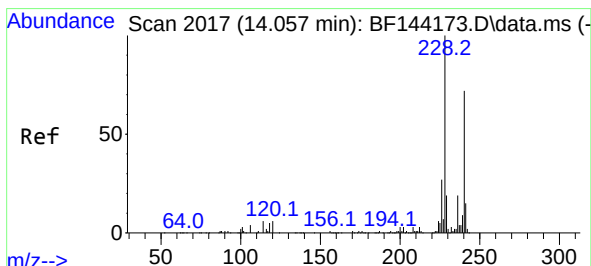
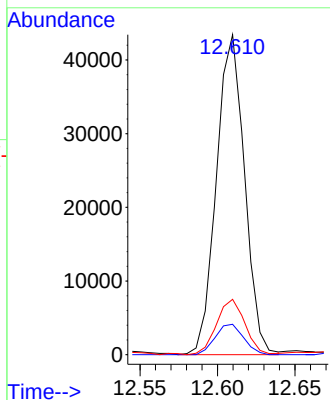
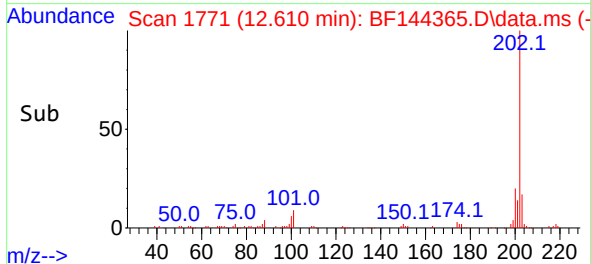
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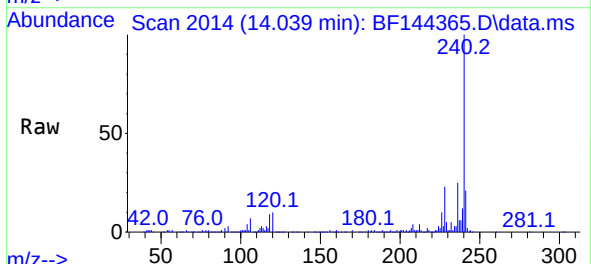
Tgt Ion:202 Resp: 54838
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 17.3 0.0 37.5

Manual Integrations
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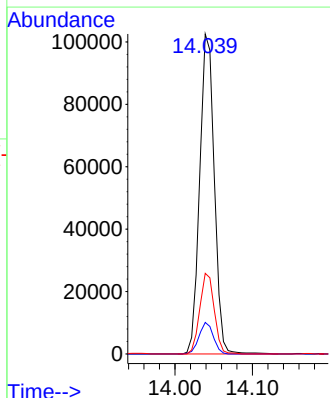
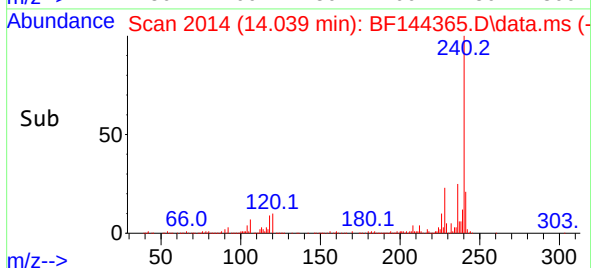
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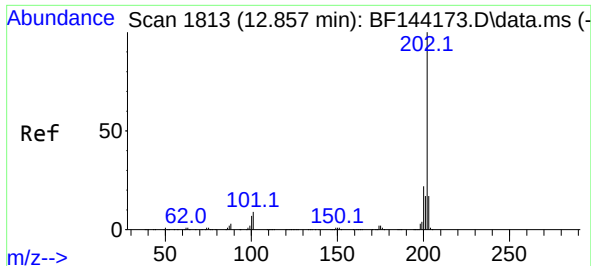


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



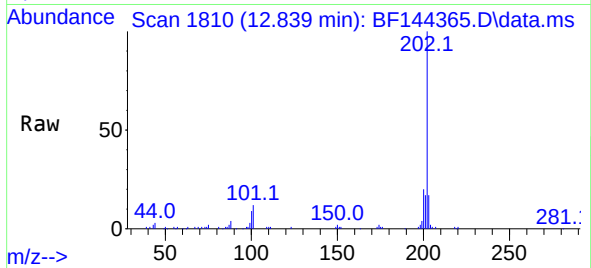
Tgt Ion:240 Resp: 134346
Ion Ratio Lower Upper
240 100
120 9.9 6.6 10.0
236 25.2 21.4 32.2





#78
Pyrene
Concen: 4.645 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

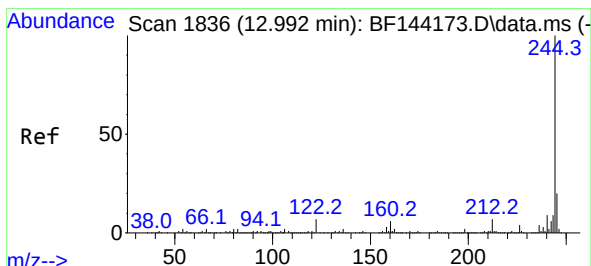
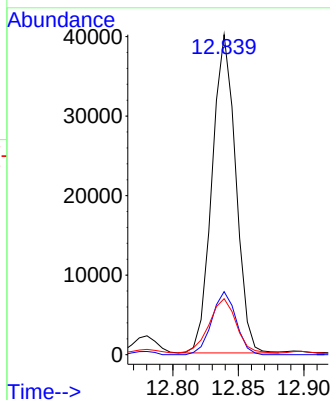
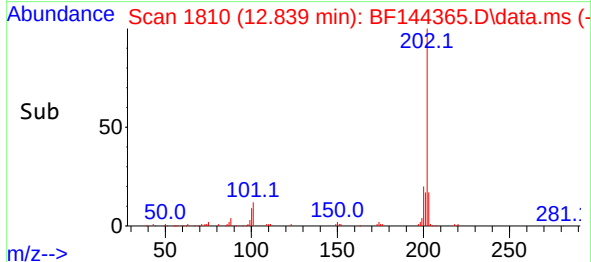
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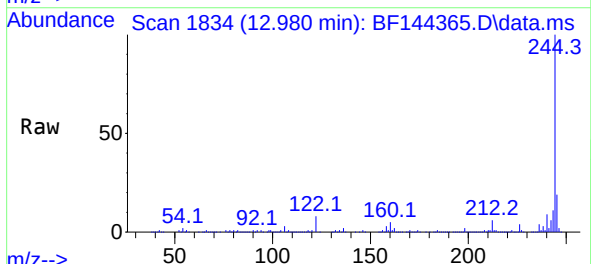
Tgt Ion:202 Resp: 50311
Ion Ratio Lower Upper
202 100
200 19.7 17.2 25.8
203 17.5 13.7 20.5

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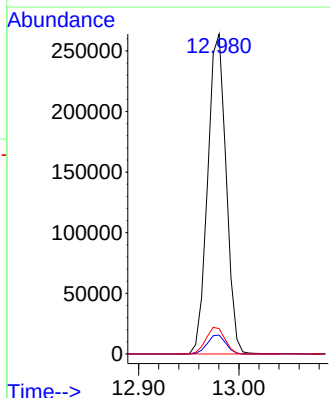
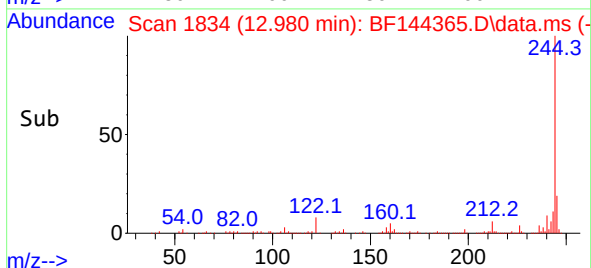
Reviewed By :Jagrut Upadhyay 12/02/2025
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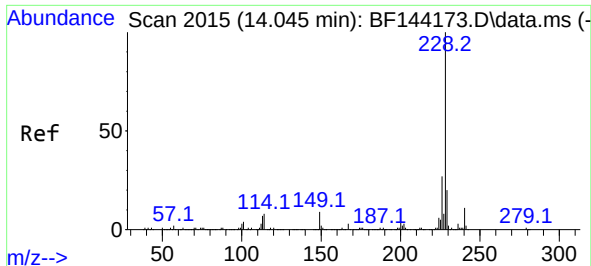


#79
Terphenyl-d14
Concen: 39.902 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



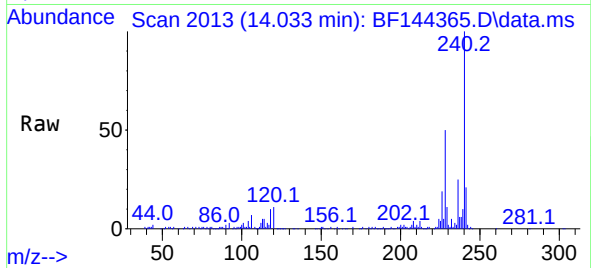
Tgt Ion:244 Resp: 337489
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 7.9 5.6 8.4





#81
Benzo(a)anthracene
Concen: 5.276 ng m
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

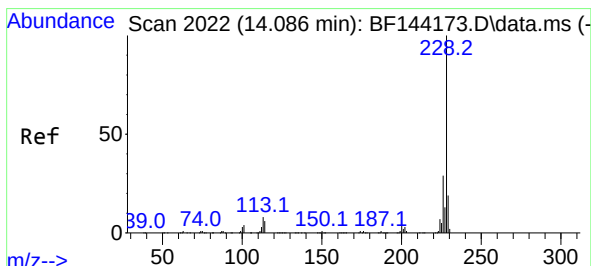
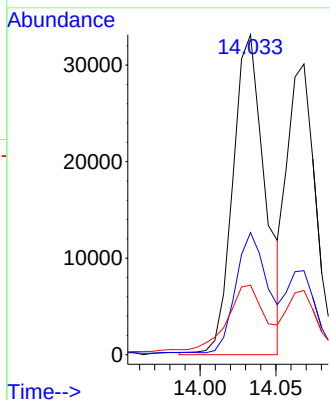
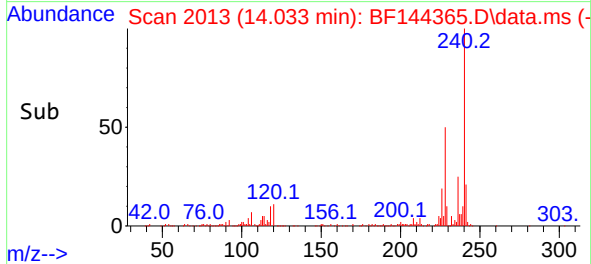
Instrument :
BNA_F
ClientSampleId :
SB-1125-11A



Tgt Ion:228 Resp: 4912
Ion Ratio Lower Upper
228 100
226 38.2 21.8 32.8
229 21.8 15.8 23.6

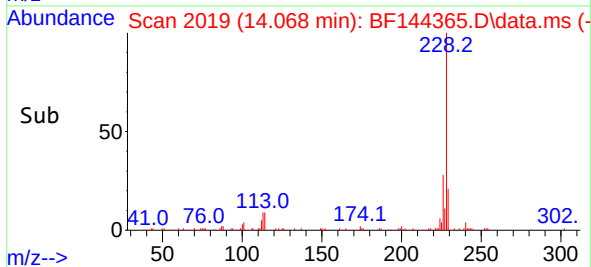
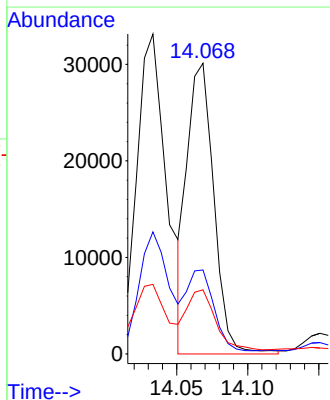
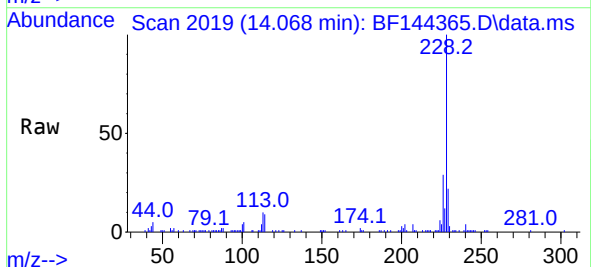
Manual Integrations
APPROVED

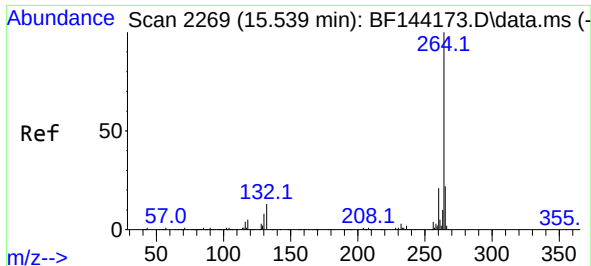
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#83
Chrysene
Concen: 4.592 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Tgt Ion:228 Resp: 39469
Ion Ratio Lower Upper
228 100
226 28.9 22.9 34.3
229 22.1 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

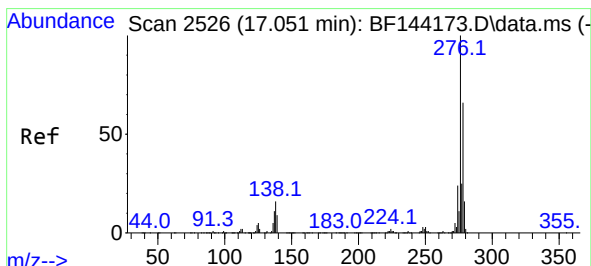
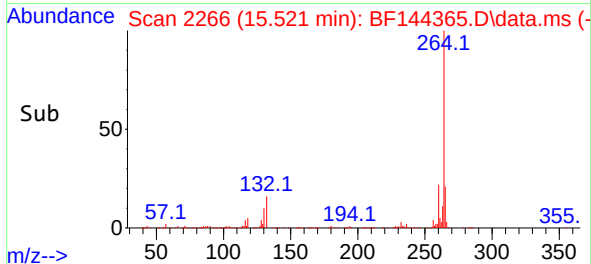
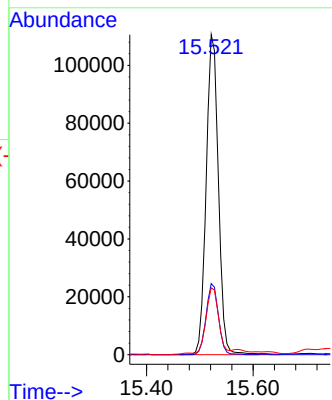
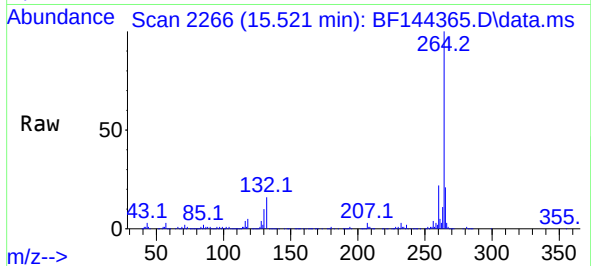
SB-1125-11A

Tgt Ion:264 Resp: 175772
Ion Ratio Lower Upper
264 100
260 22.2 17.1 25.7
265 20.9 17.4 26.0

Manual Integrations

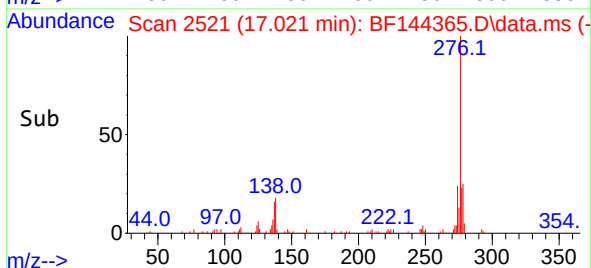
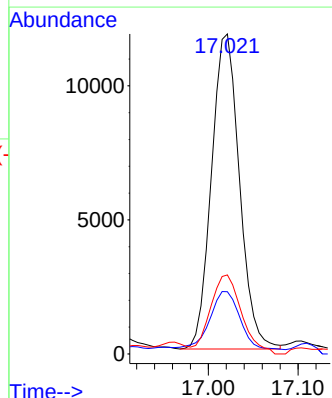
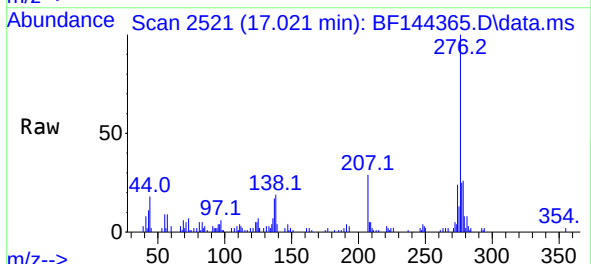
APPROVED

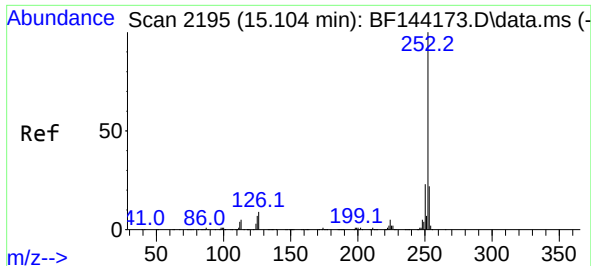
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.020 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Tgt Ion:276 Resp: 25485
Ion Ratio Lower Upper
276 100
138 20.9 13.9 20.9#
277 28.0 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 5.655 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

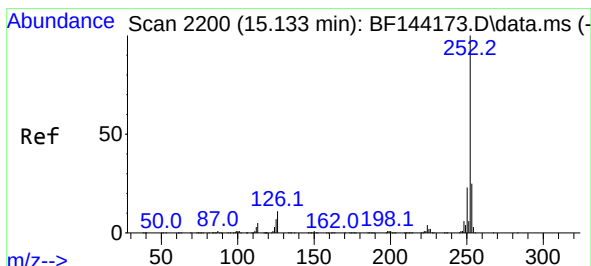
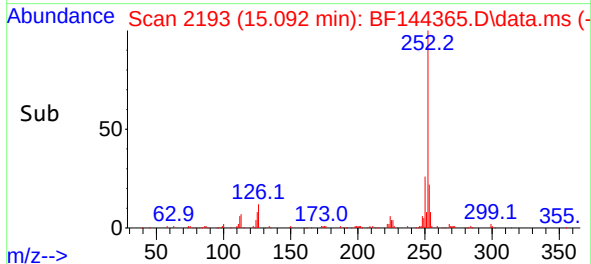
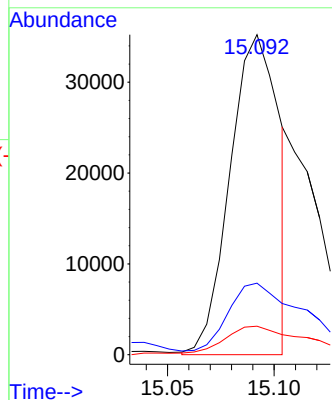
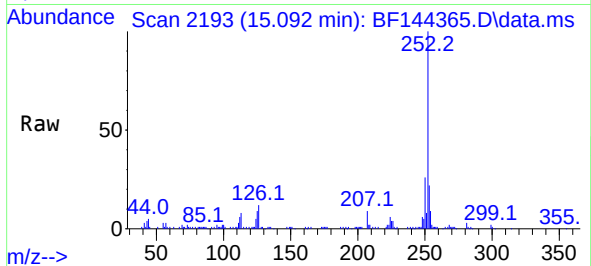
SB-1125-11A

Tgt Ion:252 Resp: 5650
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 8.9 5.3 7.9

Manual Integrations

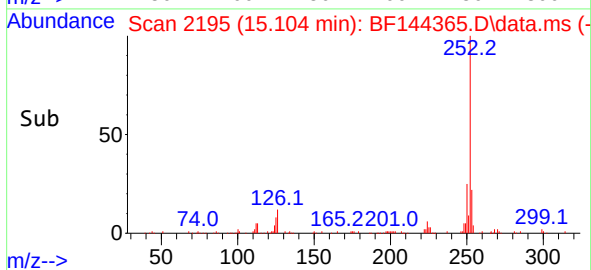
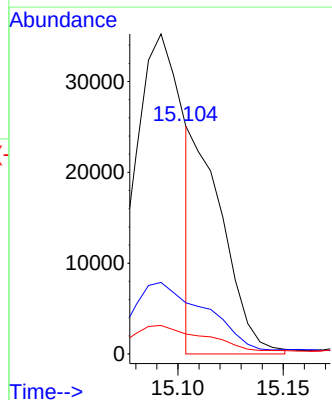
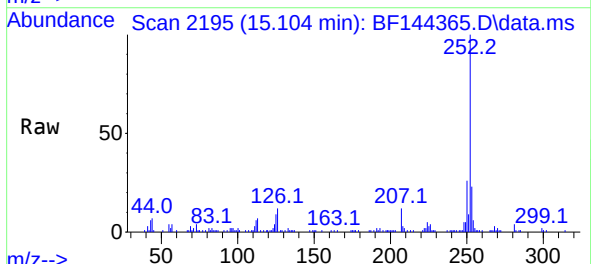
APPROVED

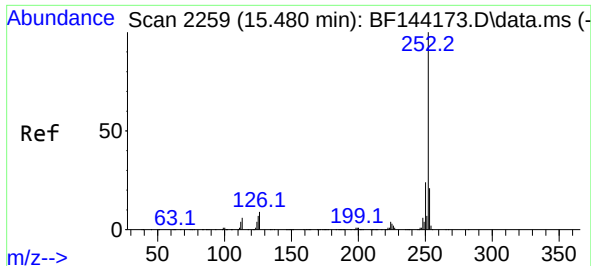
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#89
Benzo(k)fluoranthene
Concen: 2.701 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Tgt Ion:252 Resp: 25262
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 8.8 5.4 8.2





#90
Benzo(a)pyrene
Concen: 4.939 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

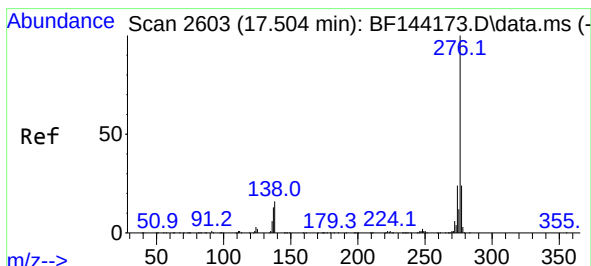
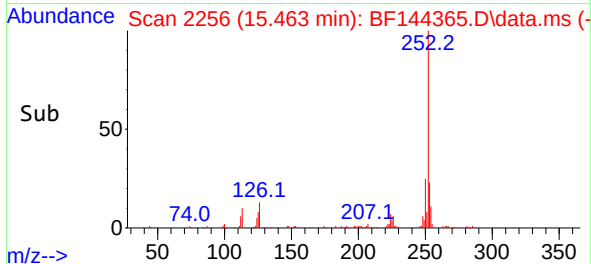
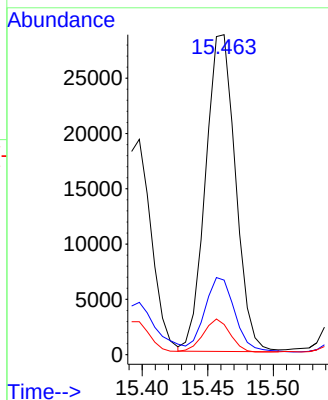
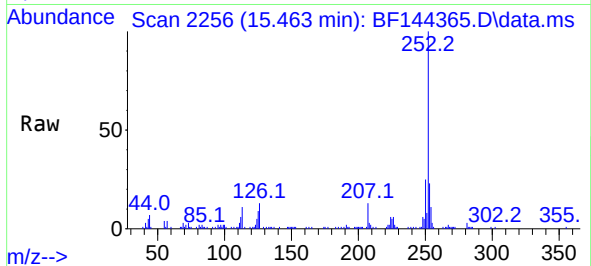
SB-1125-11A

Tgt Ion:252 Resp: 45528
Ion Ratio Lower Upper
252 100
253 23.3 16.7 25.1
125 9.5 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#92
Benzo(g,h,i)perylene
Concen: 2.191 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.018 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Tgt Ion:276 Resp: 21925
Ion Ratio Lower Upper
276 100
277 26.8 19.0 28.4
138 21.3 12.9 19.3

