

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144366.D
 Acq On : 26 Nov 2025 17:42
 Operator : RC/JU
 Sample : Q3719-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-11B

Manual Integrations
 APPROVED

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

Quant Time: Nov 26 18:01:45 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	54876	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	211741	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	115910	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	179392	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	133511	20.000	ng	-0.01
86) Perylene-d12	15.521	264	179241	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	260303	74.229	ng	0.00
7) Phenol-d6	6.493	99	304899	76.735	ng	0.00
23) Nitrobenzene-d5	7.422	82	181146	49.410	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	90825	62.443	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	397997	50.713	ng	-0.01
79) Terphenyl-d14	12.980	244	335689	39.938	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	21422	2.127	ng	98
71) Phenanthrene	11.416	178	44239	4.953	ng	98
75) Fluoranthene	12.610	202	60025	6.506	ng	95
78) Pyrene	12.839	202	51970	4.828	ng	98
81) Benzo(a)anthracene	14.033	228	36316	3.925	ng	93
83) Chrysene	14.069	228	30532	3.574	ng	96
88) Benzo(b)fluoranthene	15.086	252	41033m	4.027	ng	
90) Benzo(a)pyrene	15.457	252	32322	3.438	ng	# 94

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

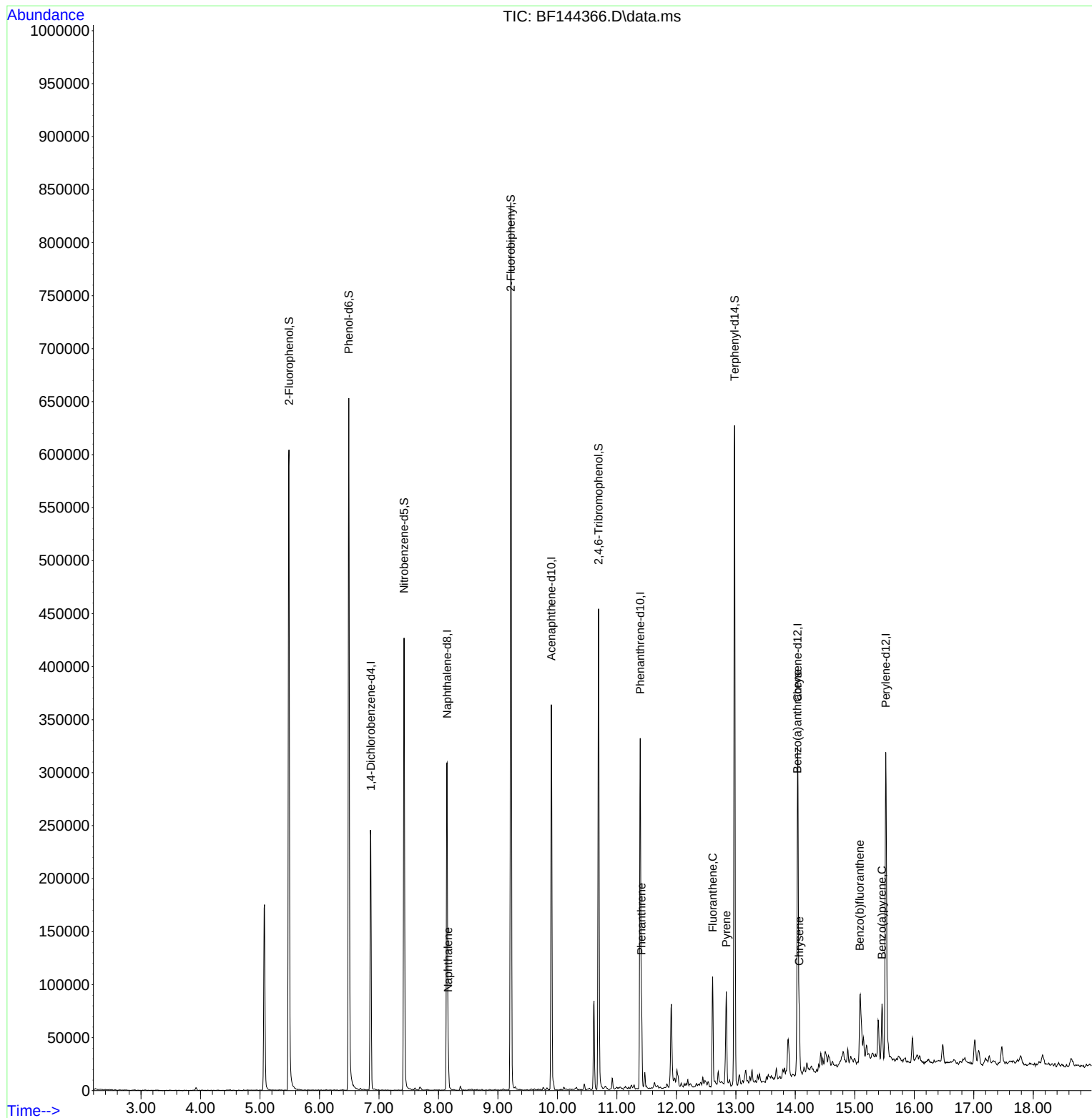
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

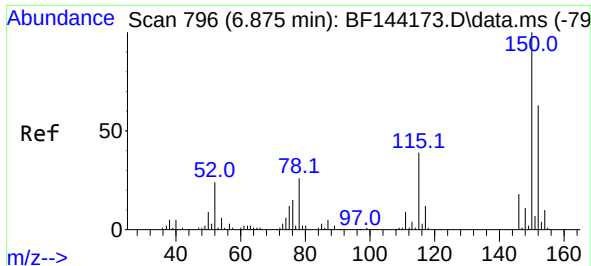
Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

Quant Time: Nov 26 18:01:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

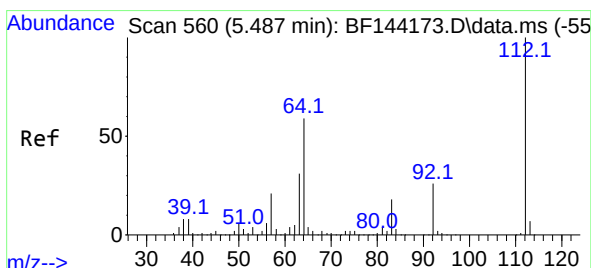
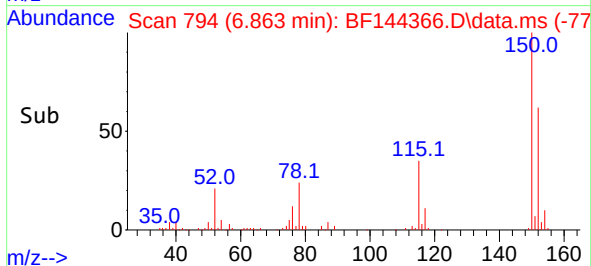
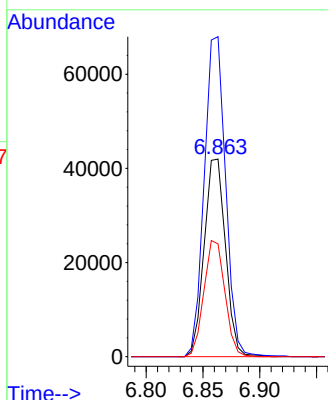
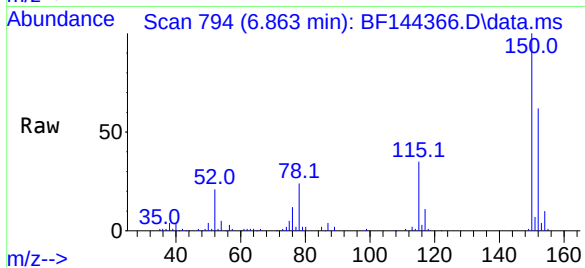
SB-1125-11B

Tgt Ion:152 Resp: 54870
Ion Ratio Lower Upper
152 100
150 162.0 127.4 191.0
115 57.1 49.5 74.3

Manual Integrations

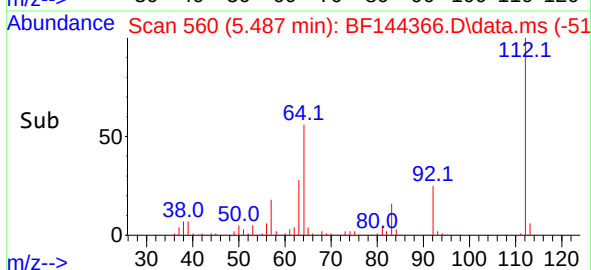
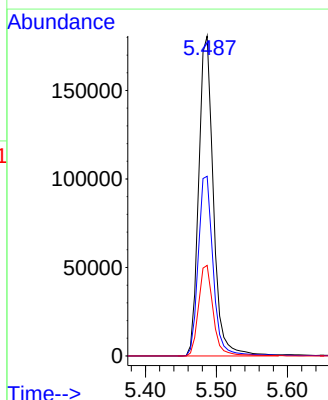
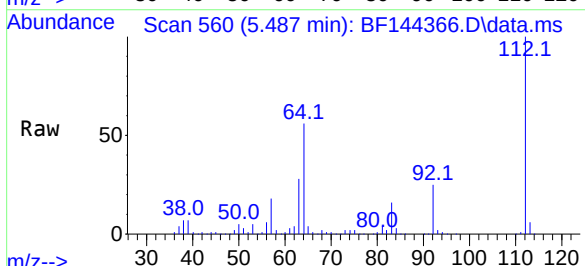
APPROVED

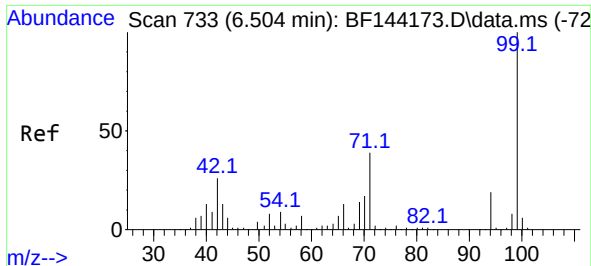
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#5
2-Fluorophenol
Concen: 74.229 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

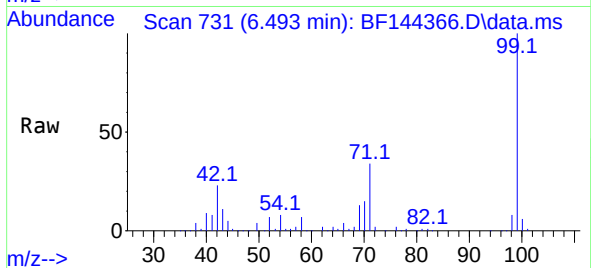
Tgt Ion:112 Resp: 260303
Ion Ratio Lower Upper
112 100
64 56.2 47.2 70.8
63 28.3 24.4 36.6





#7
Phenol-d6
Concen: 76.735 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

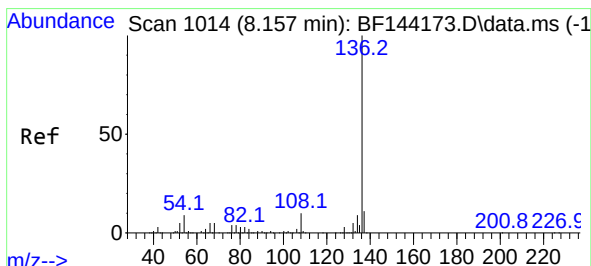
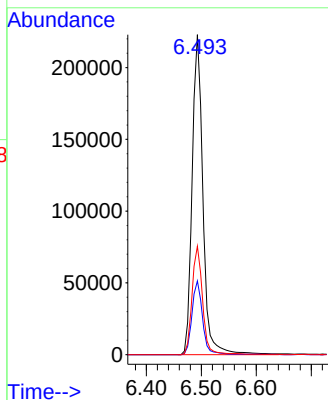
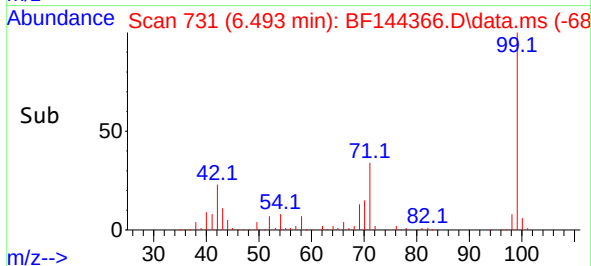
Instrument :
BNA_F
ClientSampleId :
SB-1125-11B



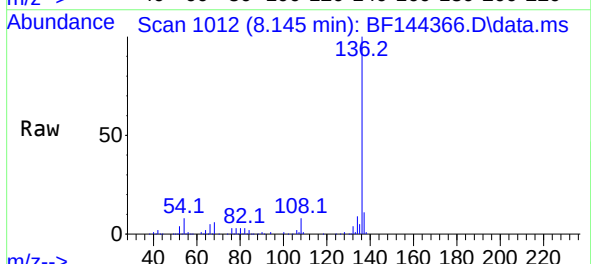
Tgt Ion: 99 Resp: 30489
Ion Ratio Lower Upper
99 100
42 23.0 20.9 31.3
71 33.9 31.4 47.2

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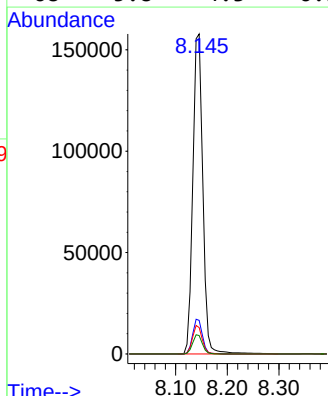
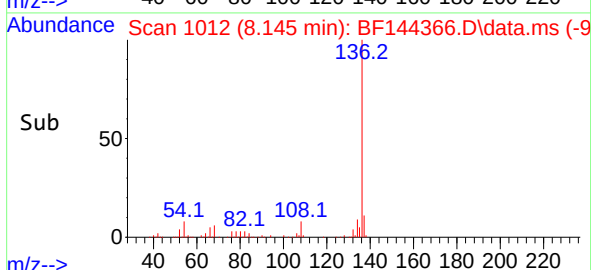
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

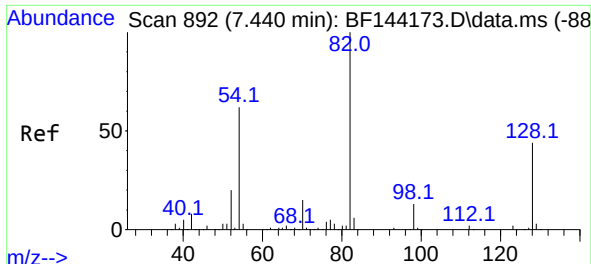


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42



Tgt Ion:136 Resp: 211741
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.3 7.0 10.6
68 5.8 4.3 6.5





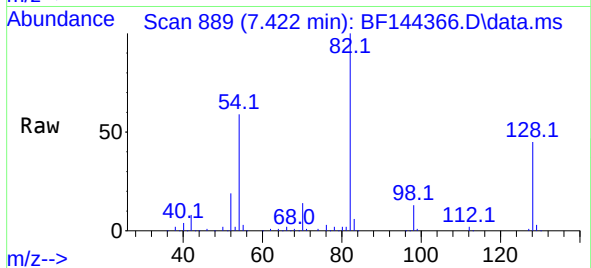
#23
Nitrobenzene-d5
Concen: 49.410 ng
RT: 7.422 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

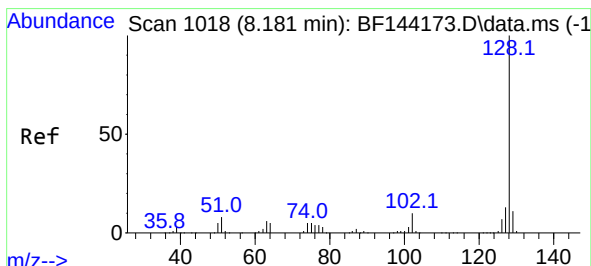
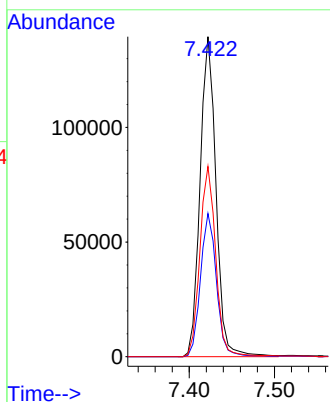
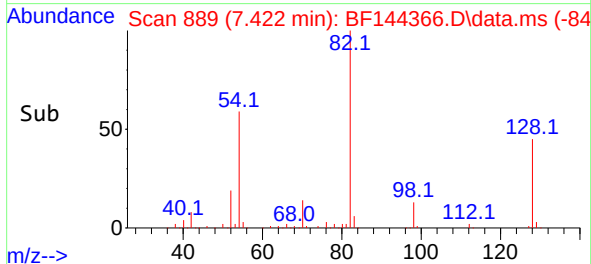


Tgt Ion: 82 Resp: 181140
Ion Ratio Lower Upper
82 100
128 44.8 34.7 52.1
54 59.5 49.5 74.3

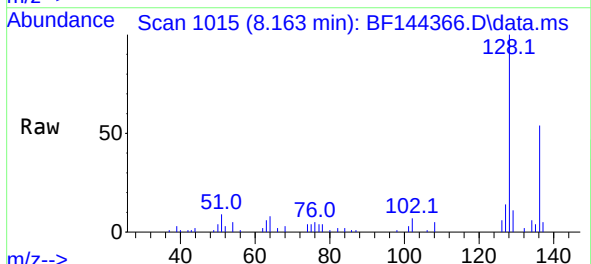
Manual Integrations

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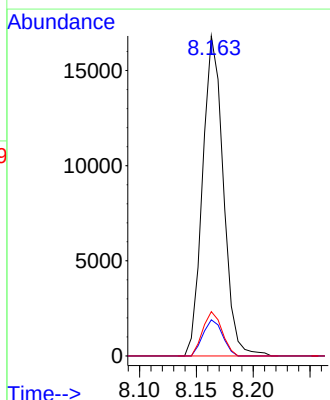
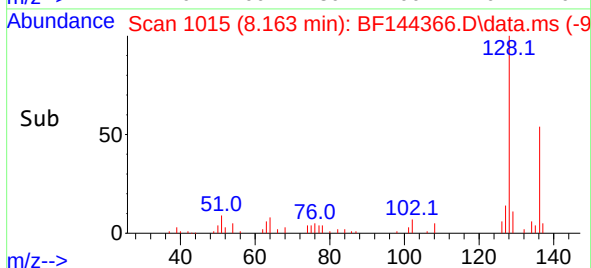
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

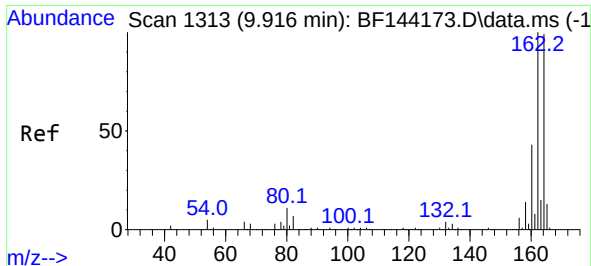


#31
Naphthalene
Concen: 2.127 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42



Tgt Ion:128 Resp: 21422
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.9 10.3 15.5





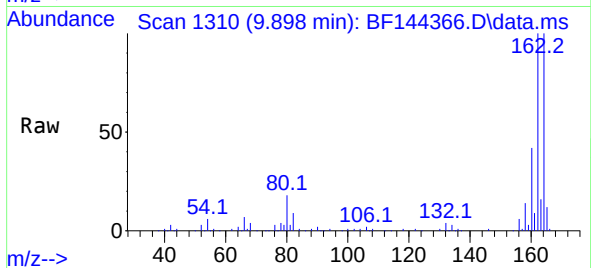
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

Instrument :

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ClientSampleId :

SB-1125-11B

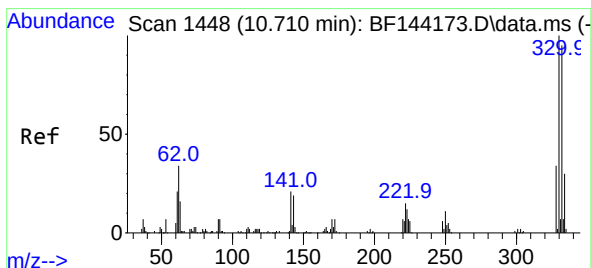
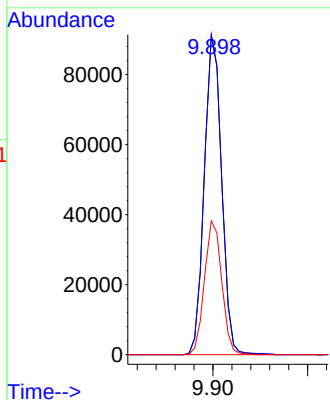
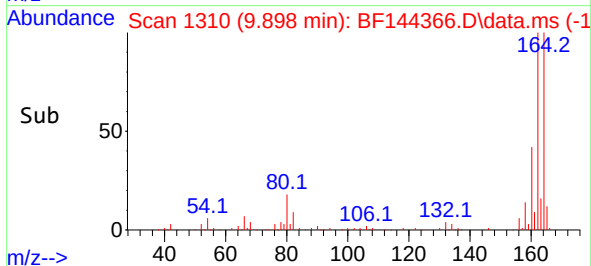


Tgt Ion:164 Resp: 115910
Ion Ratio Lower Upper
164 100
162 100.3 81.1 121.7
160 42.0 34.5 51.7

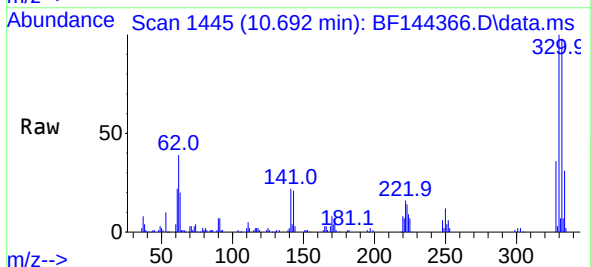
Manual Integrations

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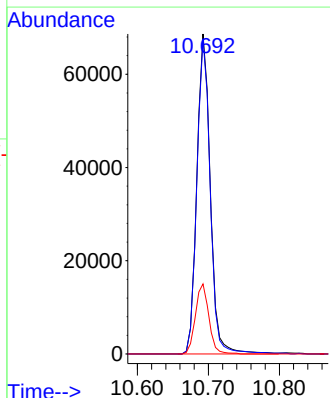
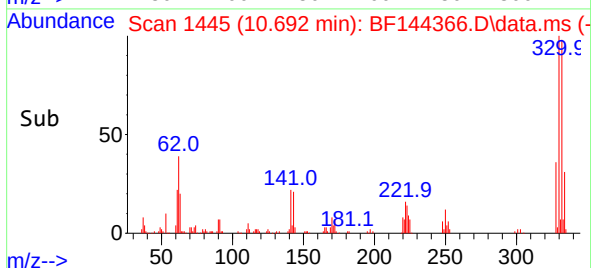
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

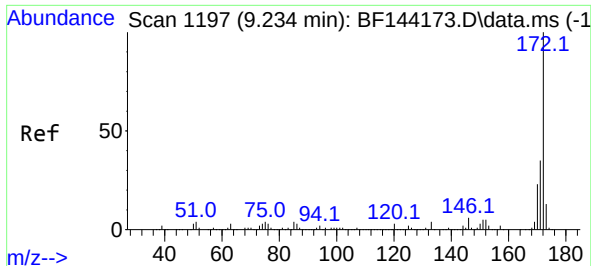


#42
2,4,6-Tribromophenol
Concen: 62.443 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42



Tgt Ion:330 Resp: 90825
Ion Ratio Lower Upper
330 100
332 97.6 76.7 115.1
141 21.8 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 50.713 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion:172 Resp: 39799

Ion Ratio Lower Upper

172 100

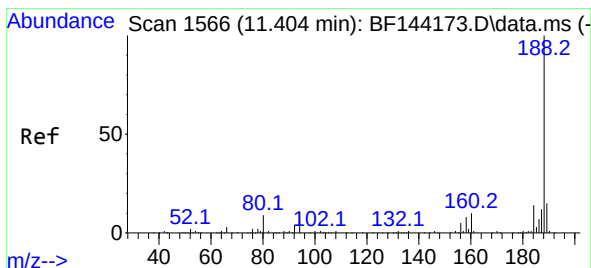
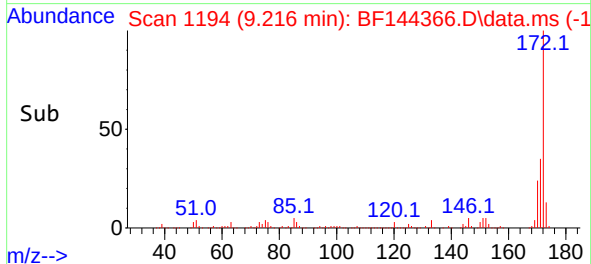
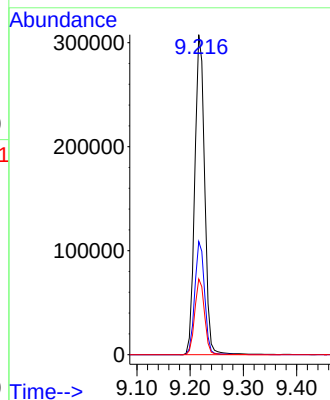
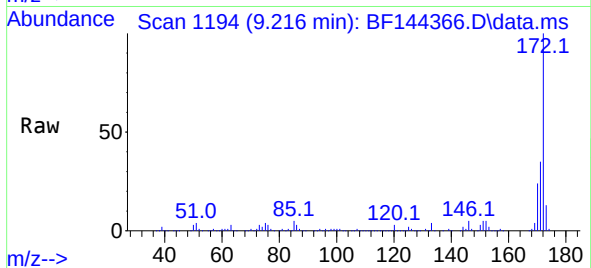
171 35.4 28.1 42.1

170 23.6 18.6 28.0

Manual Integrations

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

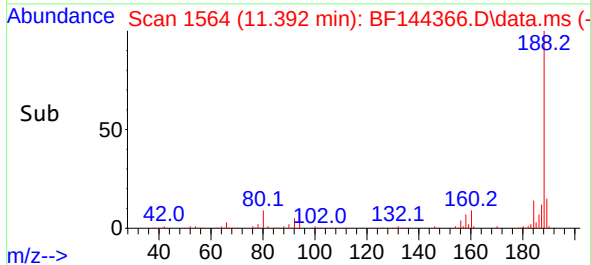
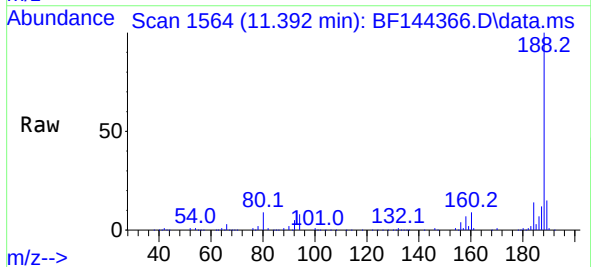
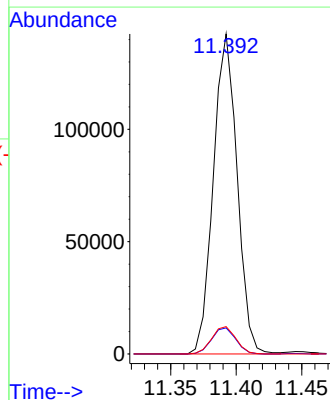
Tgt Ion:188 Resp: 179392

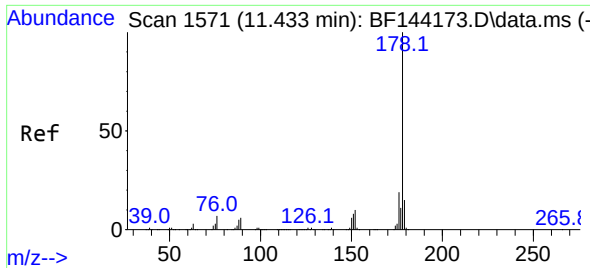
Ion Ratio Lower Upper

188 100

94 8.2 6.2 9.2

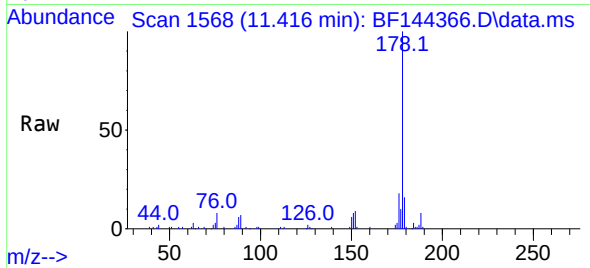
80 8.5 6.9 10.3





#71
Phenanthrene
Concen: 4.953 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

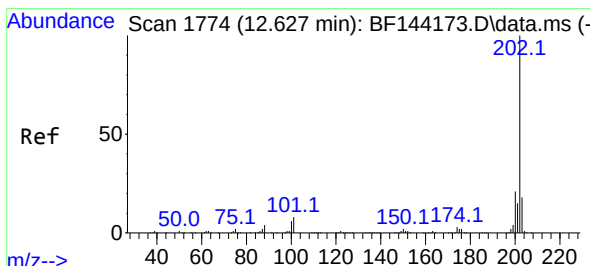
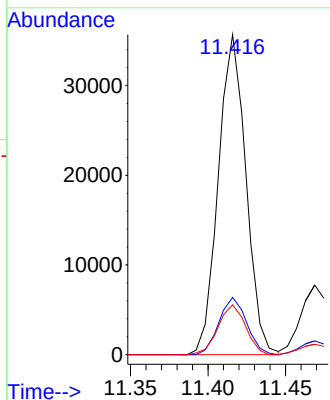
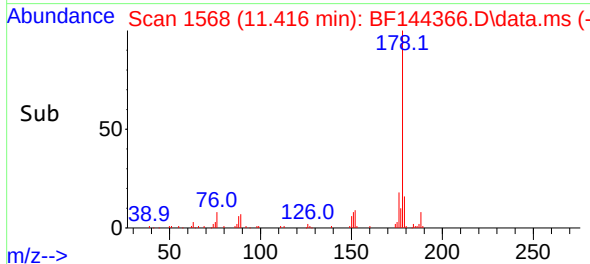
Instrument :
BNA_F
ClientSampleId :
SB-1125-11B



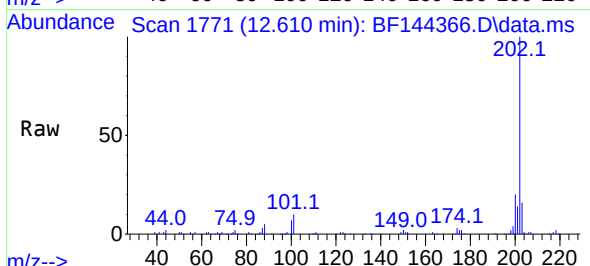
Tgt Ion:178 Resp: 44239
Ion Ratio Lower Upper
178 100
176 17.9 15.5 23.3
179 15.6 12.2 18.4

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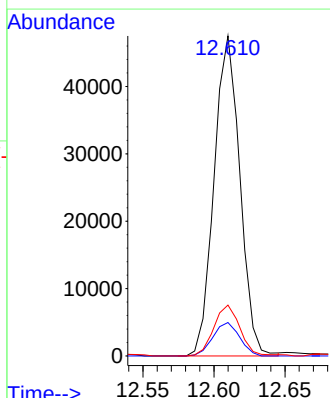
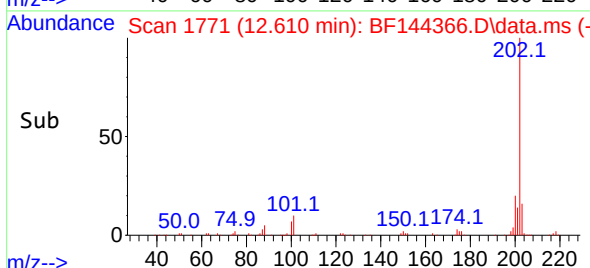
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

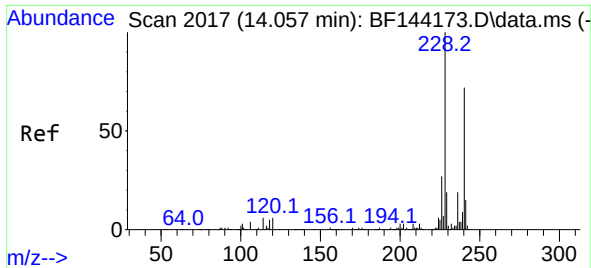


#75
Fluoranthene
Concen: 6.506 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42



Tgt Ion:202 Resp: 60025
Ion Ratio Lower Upper
202 100
101 10.4 0.0 27.9
203 15.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

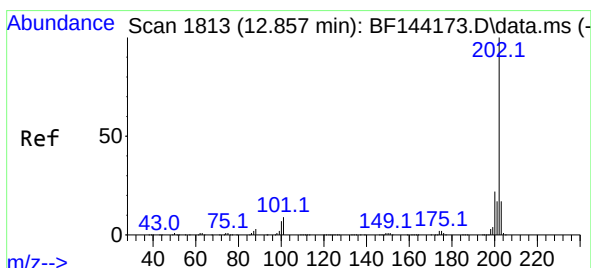
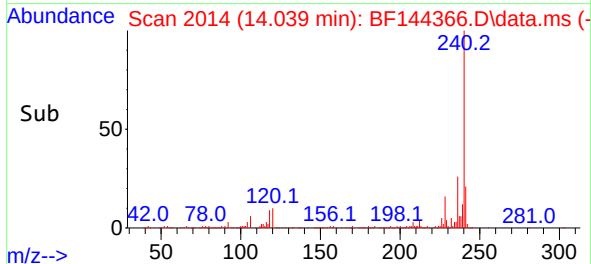
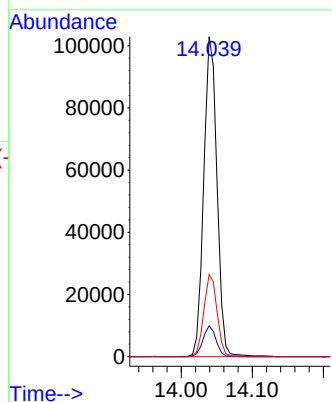
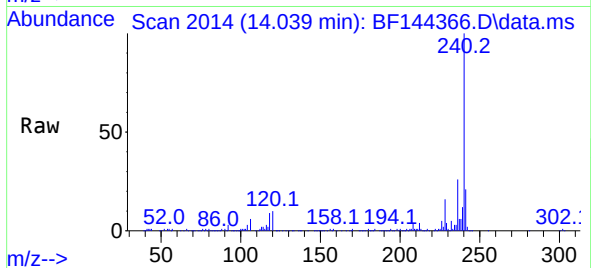
SB-1125-11B

Tgt Ion:240 Resp: 13351
Ion Ratio Lower Upper
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120 9.7 6.6 10.0
236 25.6 21.4 32.2

Manual Integrations

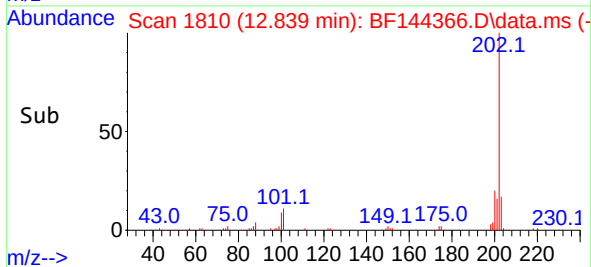
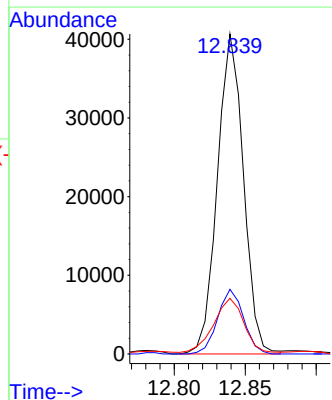
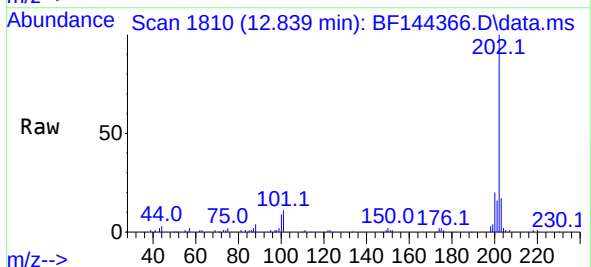
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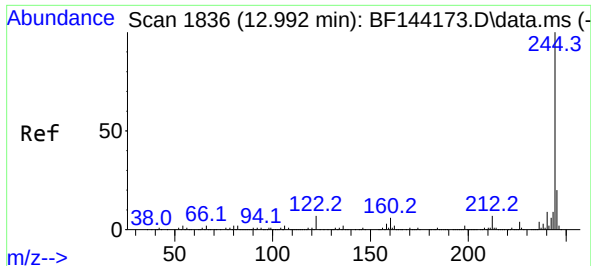
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#78
Pyrene
Concen: 4.828 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

Tgt Ion:202 Resp: 51970
Ion Ratio Lower Upper
202 100
200 20.2 17.2 25.8
203 17.4 13.7 20.5





#79
 Terphenyl-d14
 Concen: 39.938 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144366.D
 Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

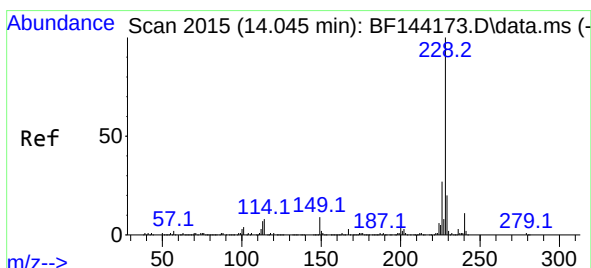
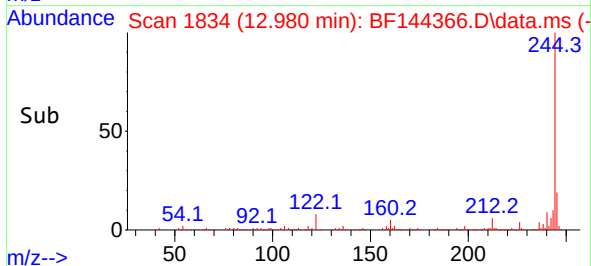
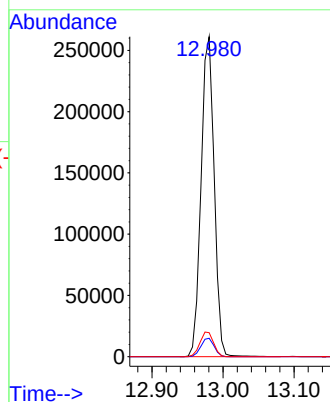
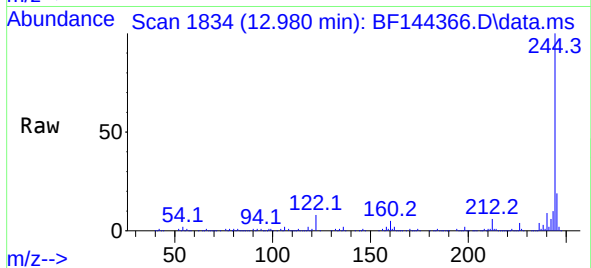
SB-1125-11B

Tgt Ion:244 Resp: 335689
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.3 7.9
 122 7.5 5.6 8.4

Manual Integrations

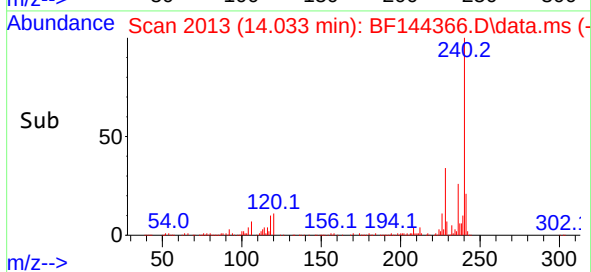
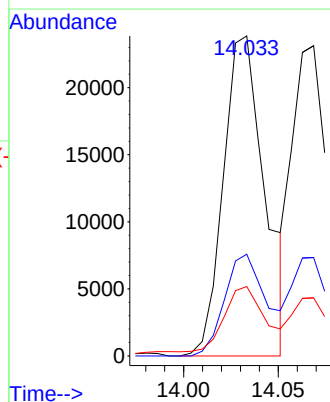
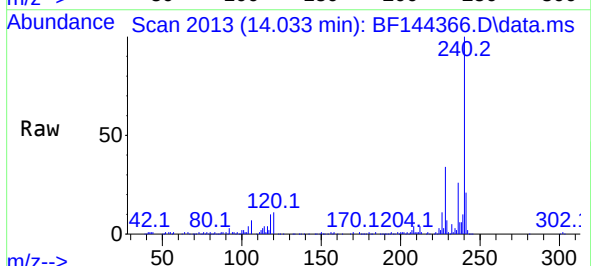
APPROVED

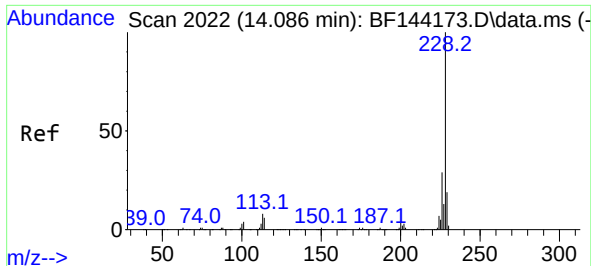
Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#81
 Benzo(a)anthracene
 Concen: 3.925 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144366.D
 Acq: 26 Nov 2025 17:42

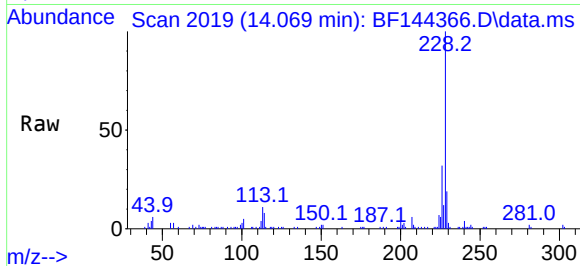
Tgt Ion:228 Resp: 36316
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.8 32.8
 229 21.7 15.8 23.6





#83
Chrysene
Concen: 3.574 ng
RT: 14.069 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

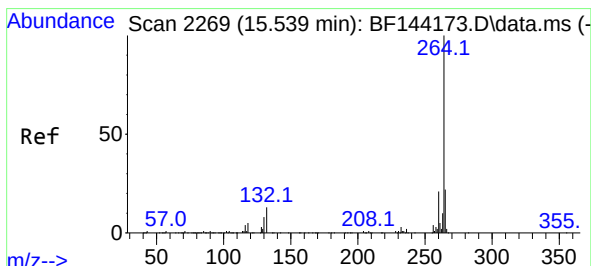
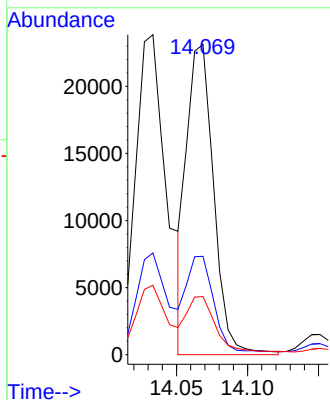
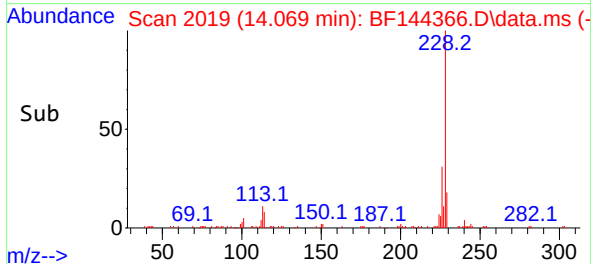
Instrument :
BNA_F
ClientSampleId :
SB-1125-11B



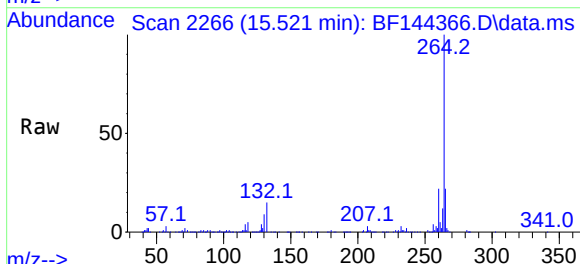
Tgt Ion:228 Resp: 3053
Ion Ratio Lower Upper
228 100
226 31.7 22.9 34.3
229 18.7 15.0 22.6

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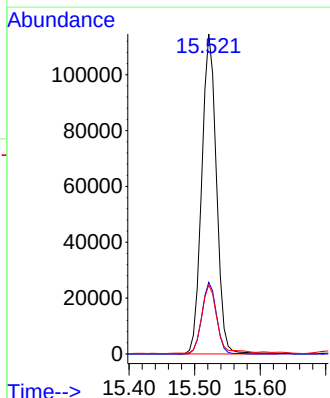
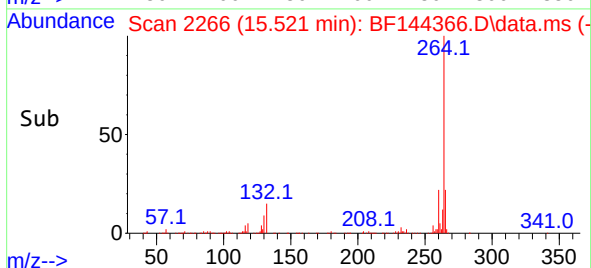
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

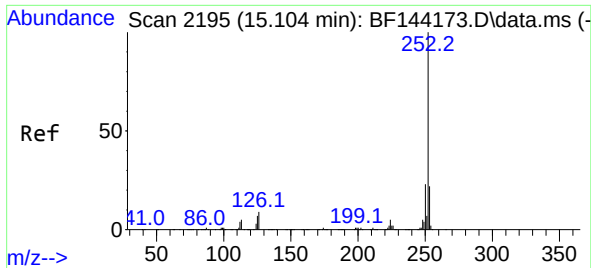


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42



Tgt Ion:264 Resp: 179241
Ion Ratio Lower Upper
264 100
260 22.4 17.1 25.7
265 21.6 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 4.027 ng m
RT: 15.086 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

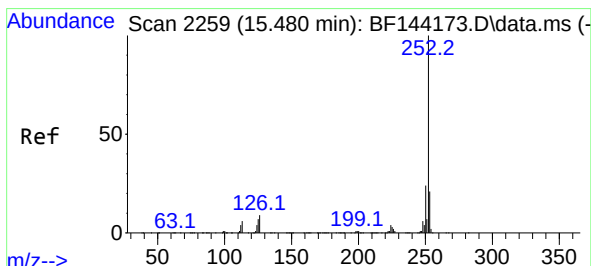
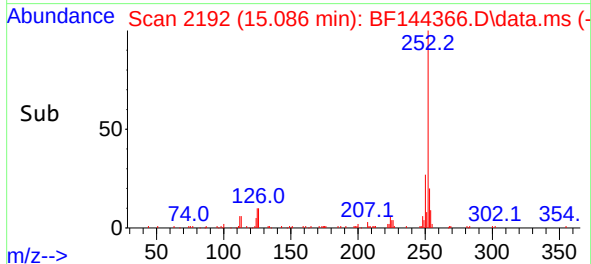
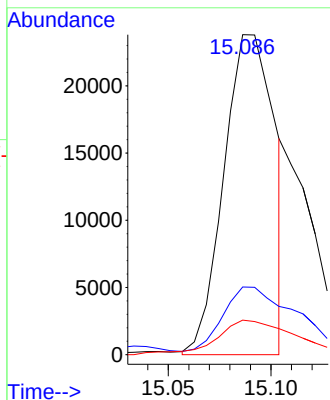
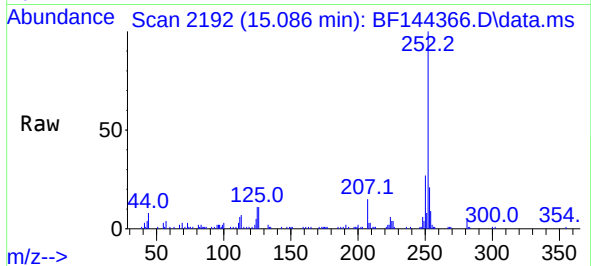
SB-1125-11B

Tgt Ion:252 Resp: 4103
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 10.8 5.3 7.9

Manual Integrations

APPROVED

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



#90
Benzo(a)pyrene
Concen: 3.438 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

Tgt Ion:252 Resp: 32322
Ion Ratio Lower Upper
252 100
253 23.4 16.7 25.1
125 9.6 5.7 8.5

