

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144368.D
 Acq On : 26 Nov 2025 18:42
 Operator : RC/JU
 Sample : Q3719-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-12B

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:50:57 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	51725	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	197457	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	101915	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	153449	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134244	20.000	ng	-0.01
86) Perylene-d12	15.521	264	160199	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	261515	79.118	ng	0.00
7) Phenol-d6	6.492	99	301728	80.563	ng	0.00
23) Nitrobenzene-d5	7.422	82	197188	57.676	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	79353	62.047	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	369777	53.587	ng	-0.01
79) Terphenyl-d14	12.980	244	280360	33.173	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	23775	2.531	ng	96
71) Phenanthrene	11.416	178	32956	4.314	ng	97
75) Fluoranthene	12.610	202	53767	6.813	ng	98
78) Pyrene	12.839	202	46991	4.341	ng	98
81) Benzo(a)anthracene	14.033	228	35831	3.851	ng	94
83) Chrysene	14.068	228	28057m	3.267	ng	
88) Benzo(b)fluoranthene	15.092	252	38435m	4.220	ng	
90) Benzo(a)pyrene	15.457	252	27191	3.236	ng	# 89

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

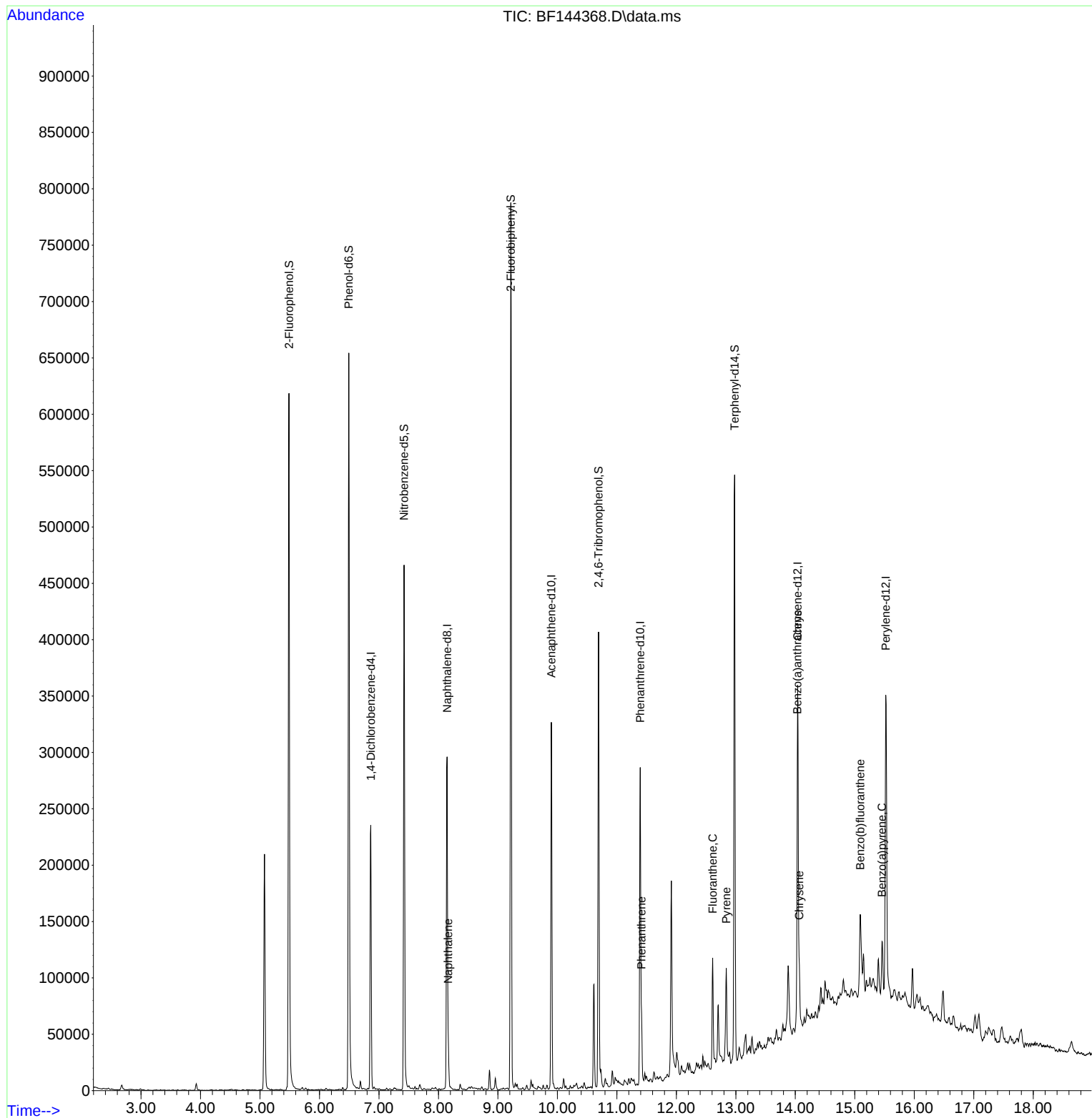
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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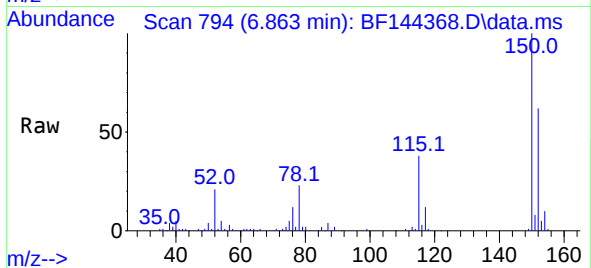
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

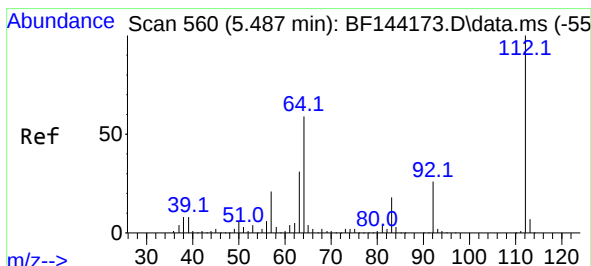
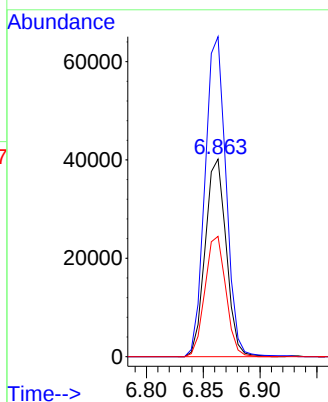
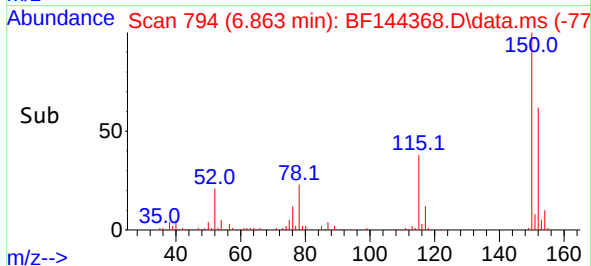


Tgt Ion:152 Resp: 51729
Ion Ratio Lower Upper
152 100
150 162.0 127.4 191.0
115 60.9 49.5 74.3

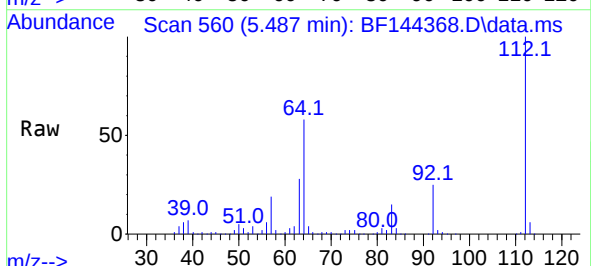
Manual Integrations

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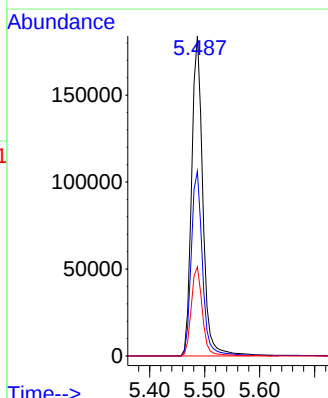
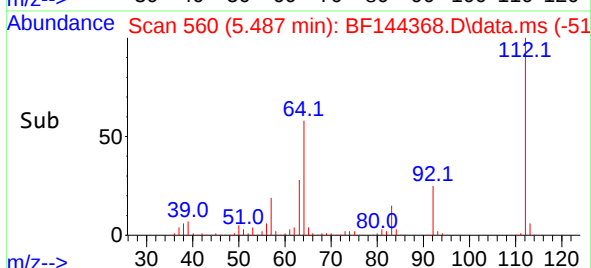
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#5
2-Fluorophenol
Concen: 79.118 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42



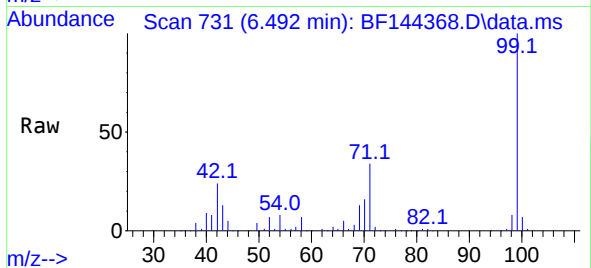
Tgt Ion:112 Resp: 261515
Ion Ratio Lower Upper
112 100
64 57.7 47.2 70.8
63 27.8 24.4 36.6





#7
Phenol-d6
Concen: 80.563 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

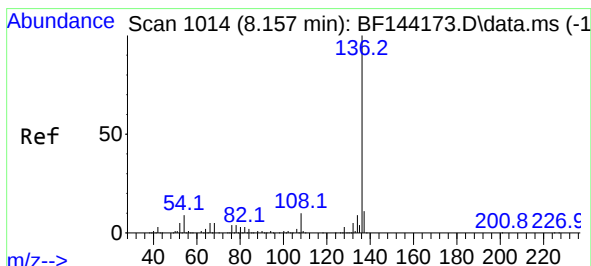
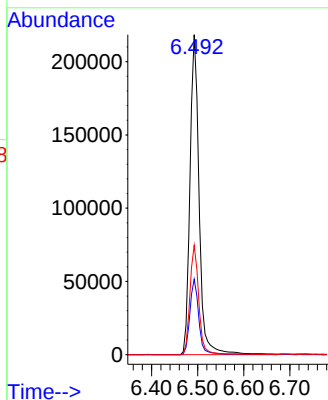
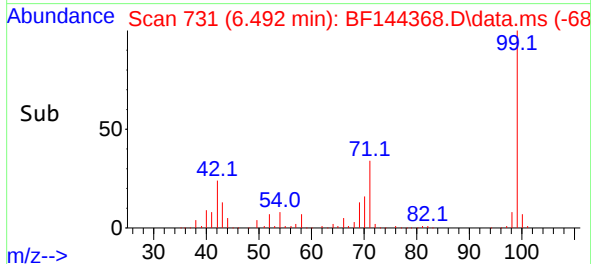
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B



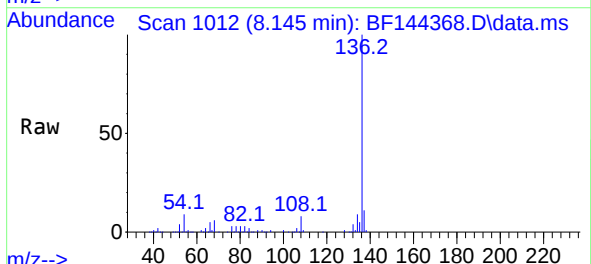
Tgt Ion: 99 Resp: 301728
Ion Ratio Lower Upper
99 100
42 23.6 20.9 31.3
71 34.2 31.4 47.2

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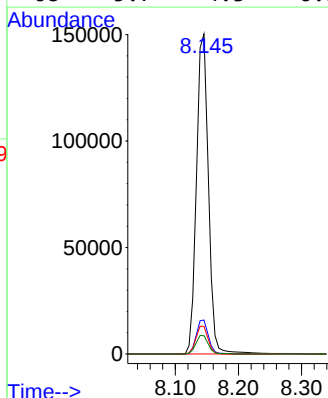
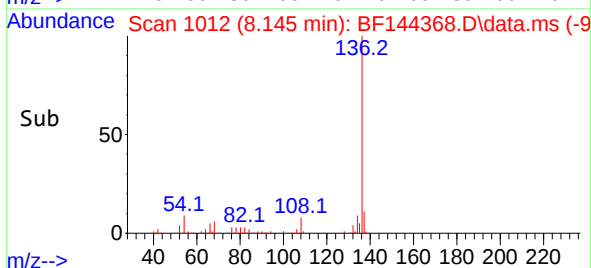
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

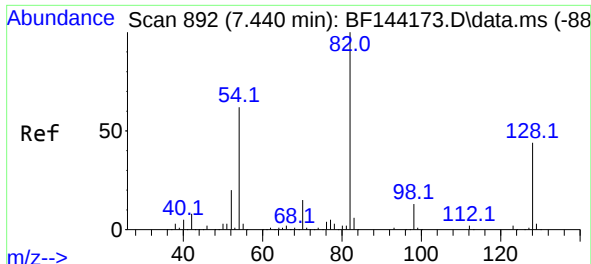


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42



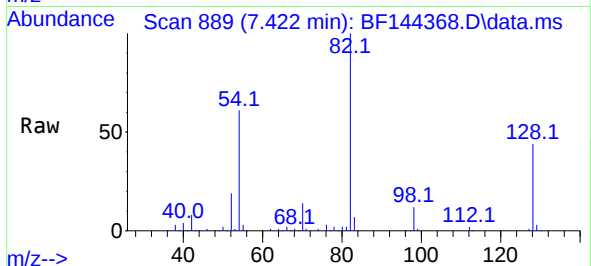
Tgt Ion:136 Resp: 197457
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.6 7.0 10.6
68 5.7 4.3 6.5





#23
Nitrobenzene-d5
Concen: 57.676 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

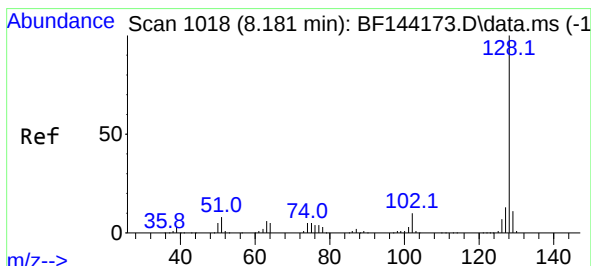
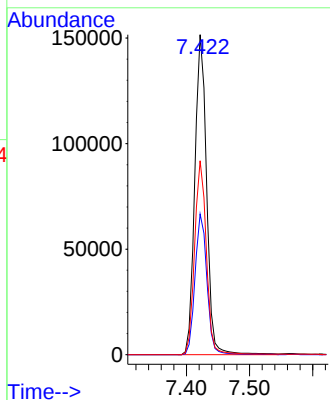
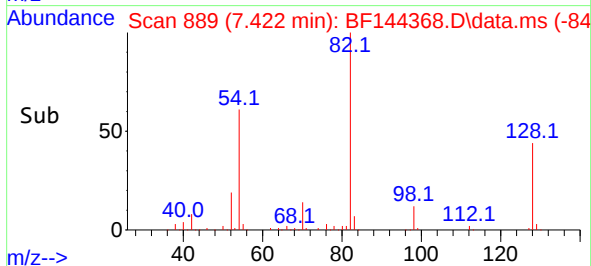
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B



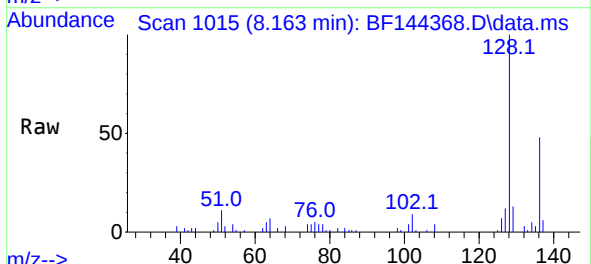
Tgt Ion: 82 Resp: 19718
Ion Ratio Lower Upper
82 100
128 44.0 34.7 52.1
54 60.6 49.5 74.3

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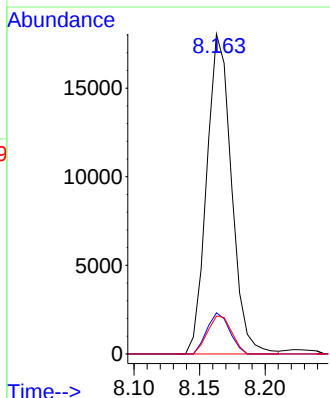
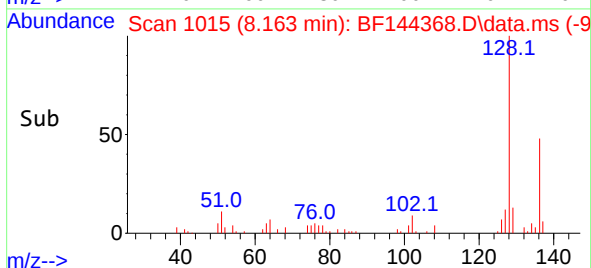
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

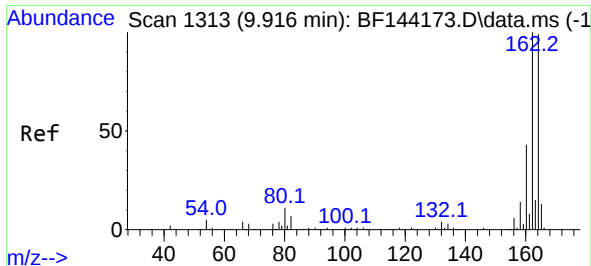


#31
Naphthalene
Concen: 2.531 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42



Tgt Ion:128 Resp: 23775
Ion Ratio Lower Upper
128 100
129 12.9 8.9 13.3
127 11.8 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: BF144368.D
Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

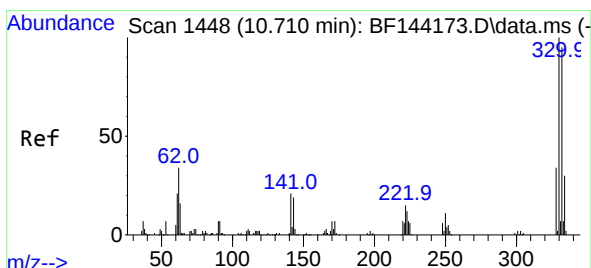
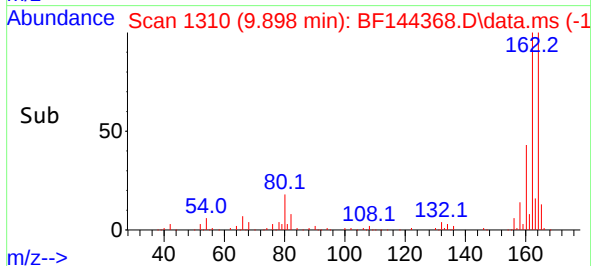
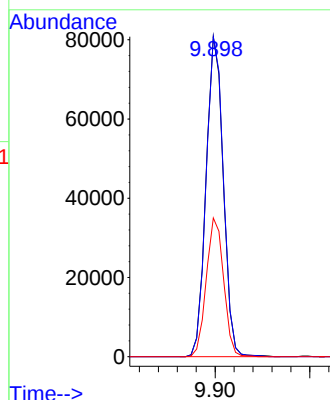
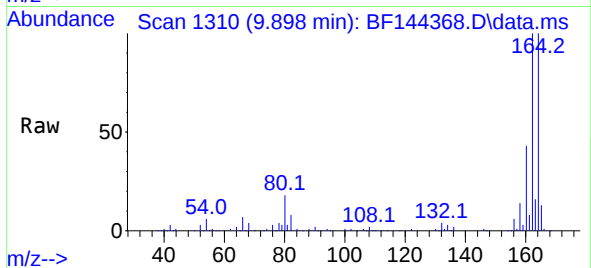
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Tgt Ion:164 Resp: 10191
Ion Ratio Lower Upper
164 100
162 100.0 81.1 121.7
160 43.4 34.5 51.7

Manual Integrations

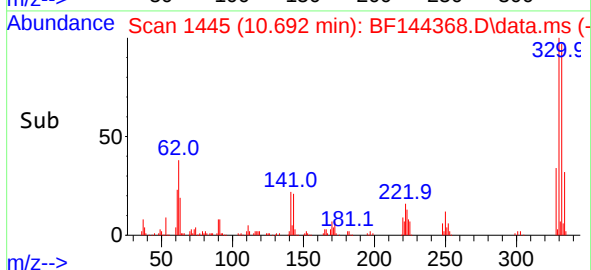
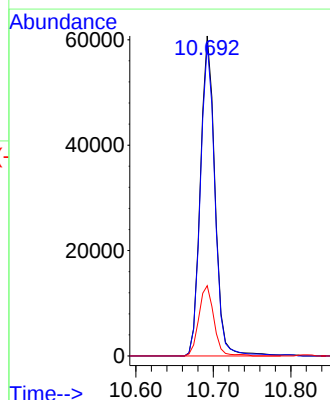
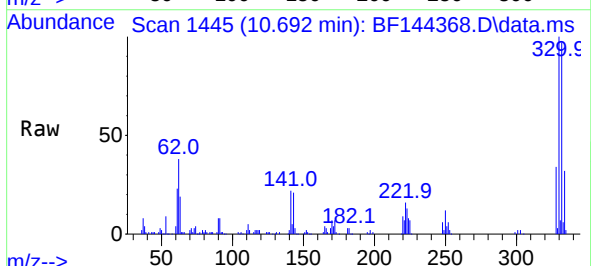
APPROVED

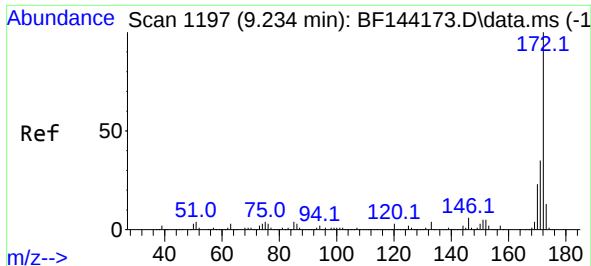
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#42
2,4,6-Tribromophenol
Concen: 62.047 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion:330 Resp: 79353
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 22.7 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 53.587 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

Tgt Ion:172 Resp: 36977

Ion Ratio Lower Upper

172 100

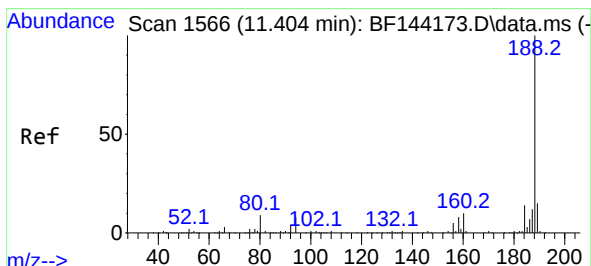
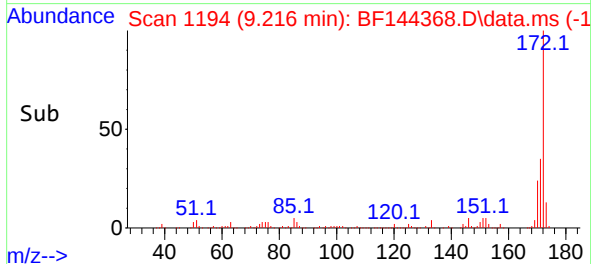
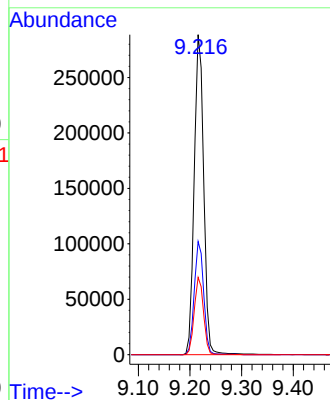
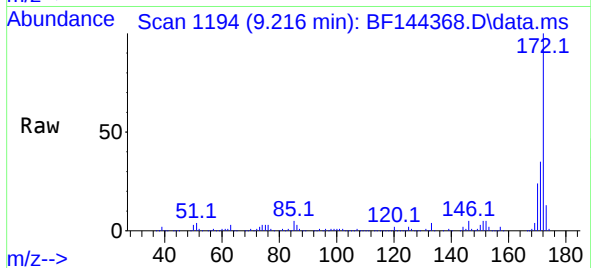
171 35.3 28.1 42.1

170 24.1 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: BF144368.D

Acq: 26 Nov 2025 18:42

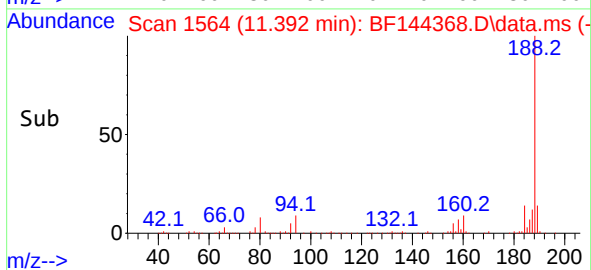
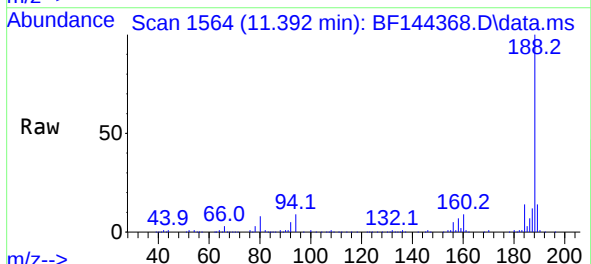
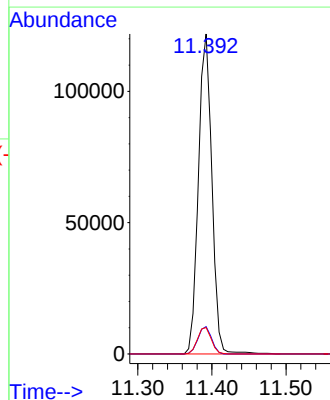
Tgt Ion:188 Resp: 153449

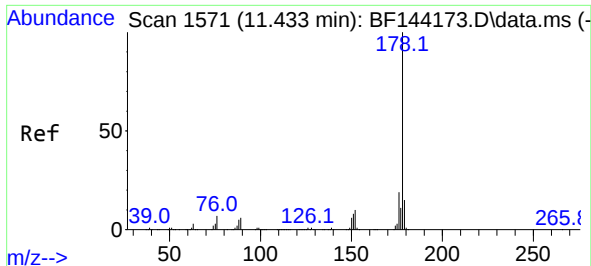
Ion Ratio Lower Upper

188 100

94 8.6 6.2 9.2

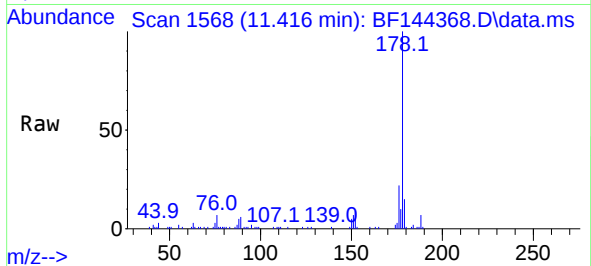
80 8.2 6.9 10.3





#71
Phenanthrene
Concen: 4.314 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

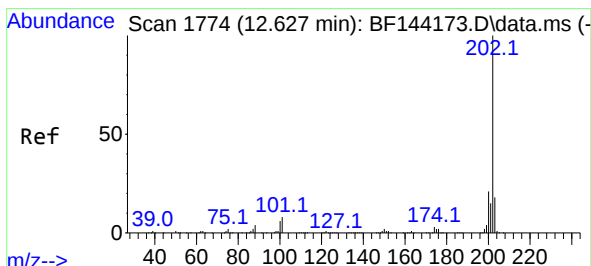
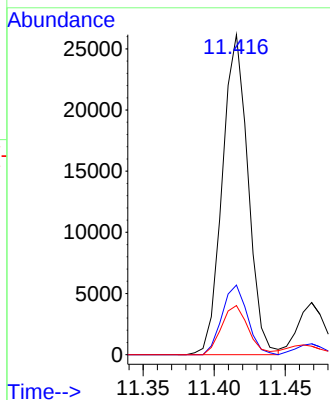
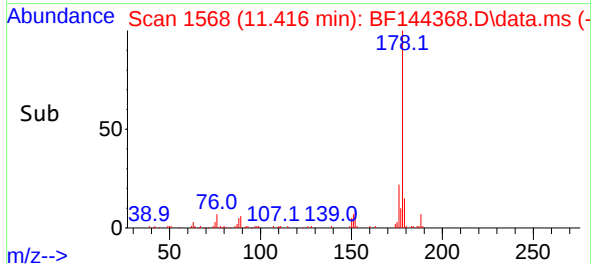
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B



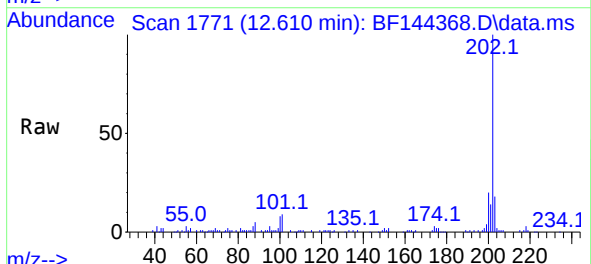
Tgt Ion:178 Resp: 32950
Ion Ratio Lower Upper
178 100
176 21.8 15.5 23.3
179 15.4 12.2 18.4

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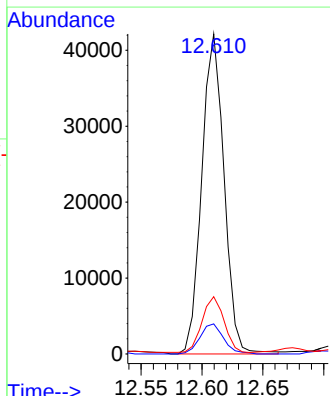
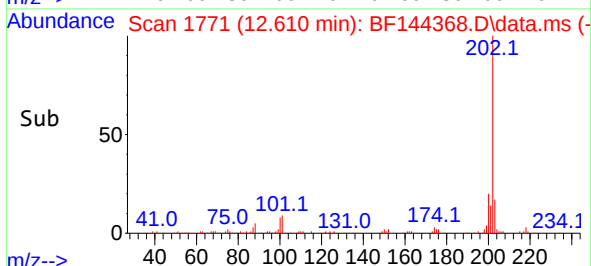
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

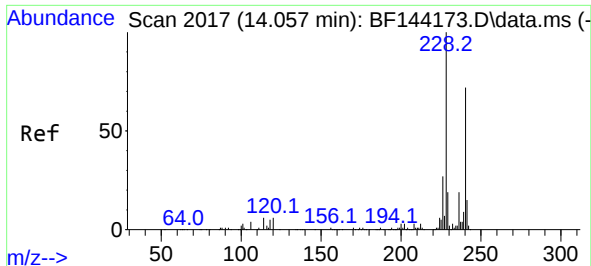


#75
Fluoranthene
Concen: 6.813 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42



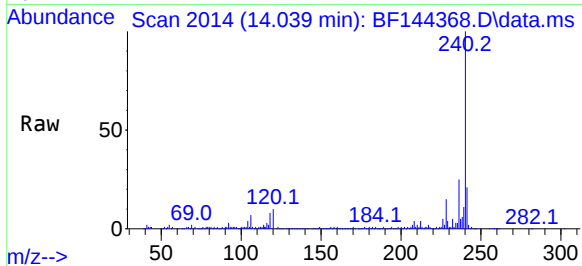
Tgt Ion:202 Resp: 53767
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.9
203 17.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

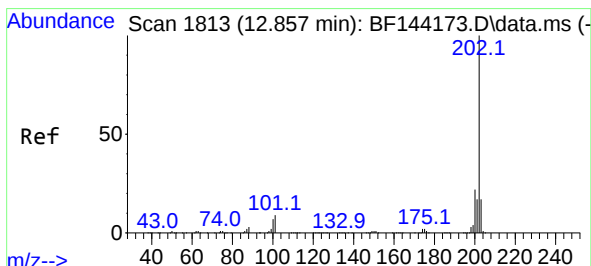
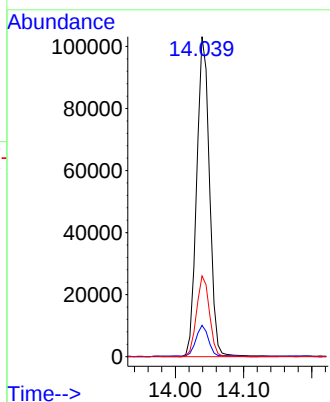
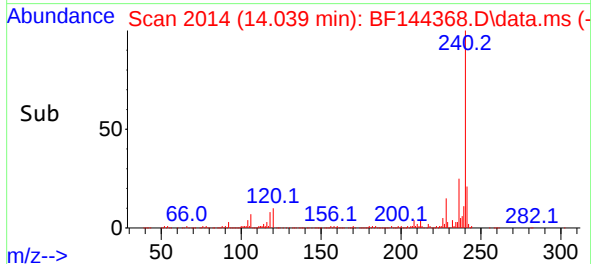
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B



Tgt Ion:240 Resp: 134244
Ion Ratio Lower Upper
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120 9.8 6.6 10.0
236 25.2 21.4 32.2

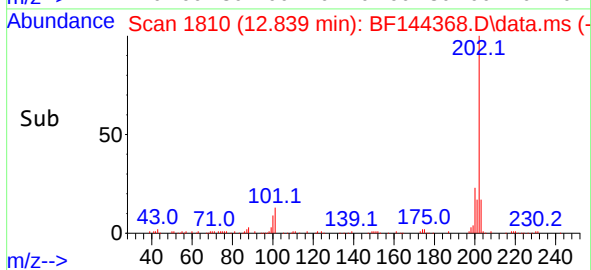
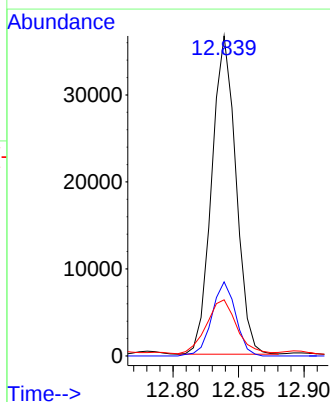
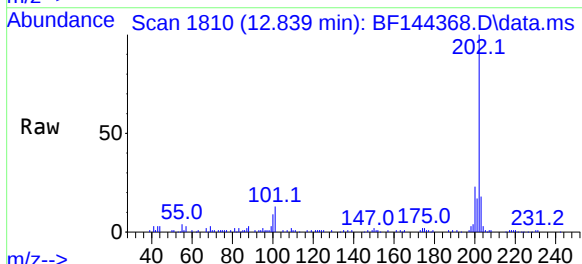
Manual Integrations
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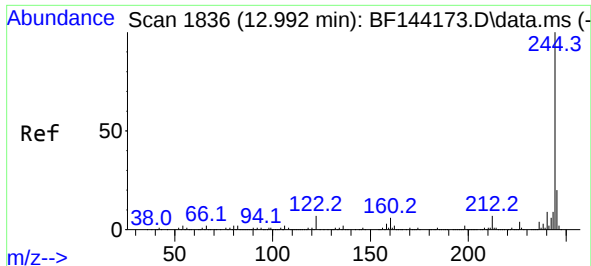
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#78
Pyrene
Concen: 4.341 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion:202 Resp: 46991
Ion Ratio Lower Upper
202 100
200 23.1 17.2 25.8
203 17.6 13.7 20.5





#79
Terphenyl-d14
Concen: 33.173 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

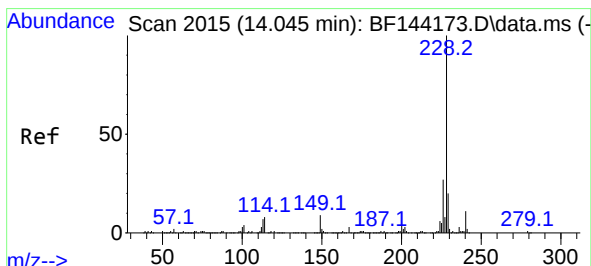
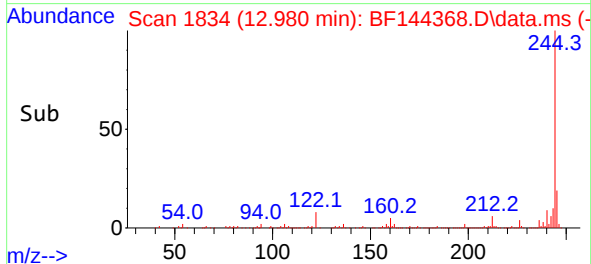
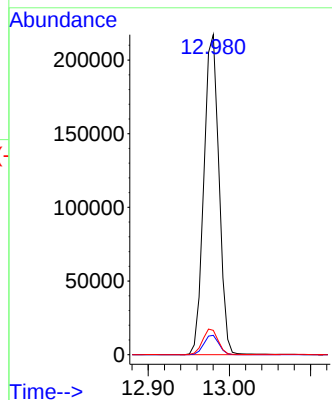
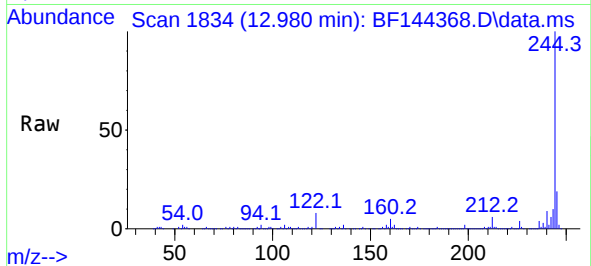
SB-1125-12B

Tgt Ion:244 Resp: 280360
Ion Ratio Lower Upper
244 100
212 6.1 5.3 7.9
122 7.6 5.6 8.4

Manual Integrations

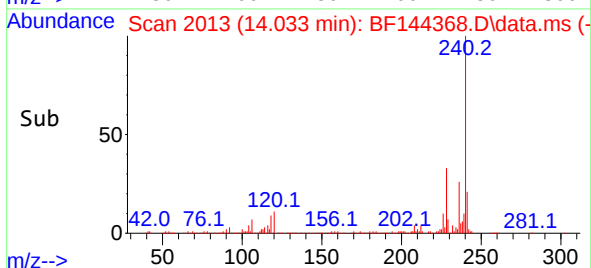
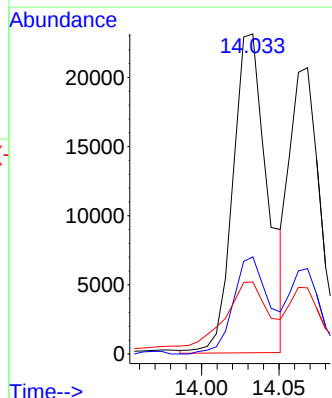
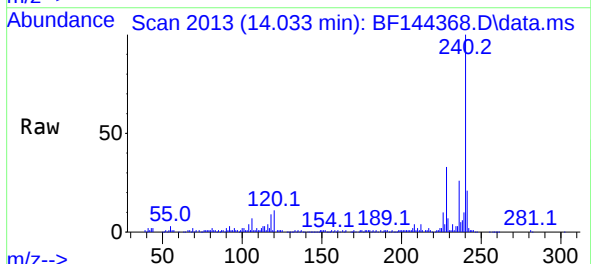
APPROVED

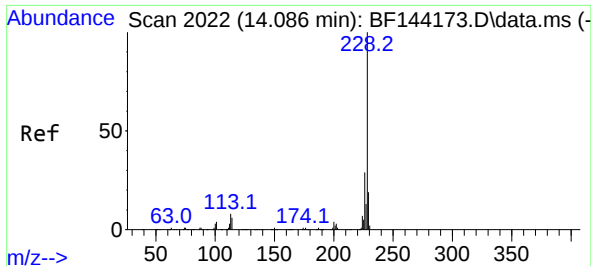
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#81
Benzo(a)anthracene
Concen: 3.851 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

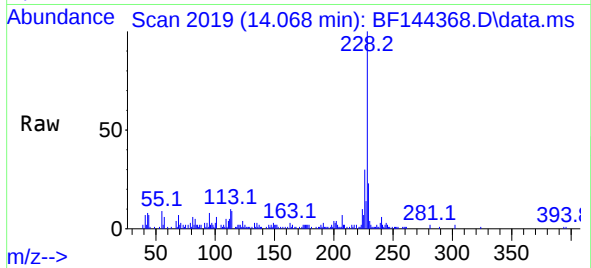
Tgt Ion:228 Resp: 35831
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.8
229 22.5 15.8 23.6





#83
Chrysene
Concen: 3.267 ng m
RT: 14.068 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

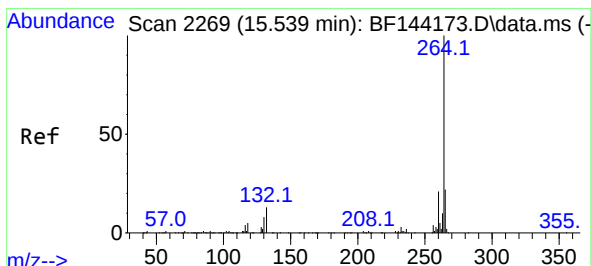
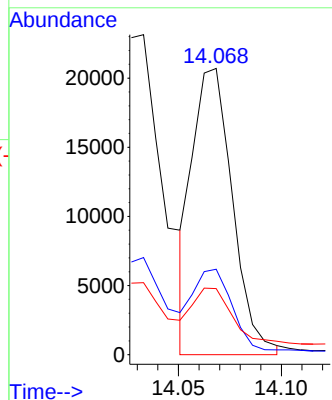
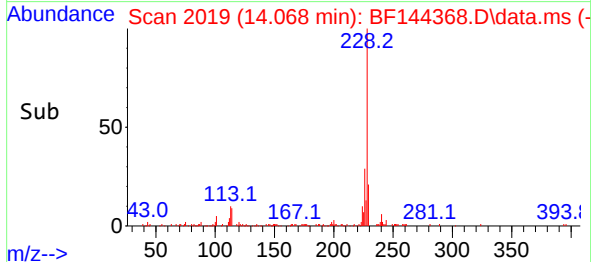
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B



Tgt Ion:228 Resp: 2805
Ion Ratio Lower Upper
228 100
226 29.9 22.9 34.3
229 23.1 15.0 22.6

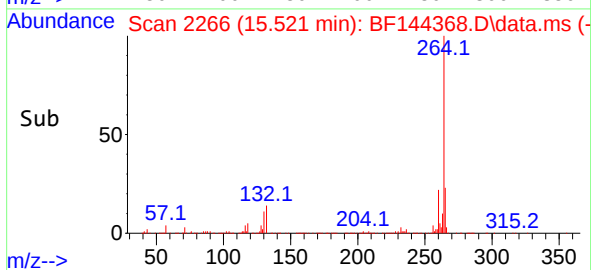
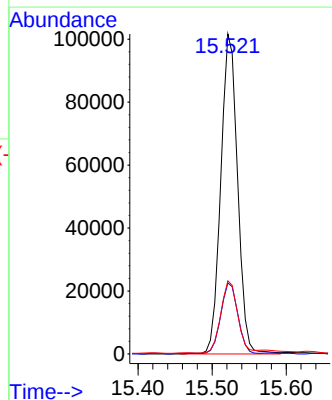
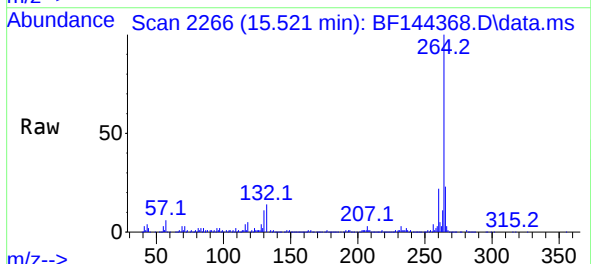
Manual Integrations
APPROVED

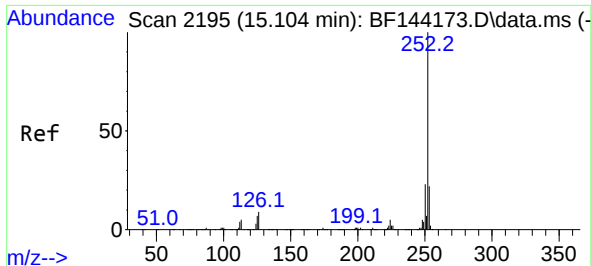
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion:264 Resp: 160199
Ion Ratio Lower Upper
264 100
260 22.2 17.1 25.7
265 22.9 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 4.220 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

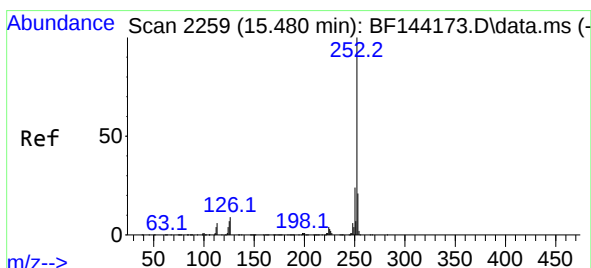
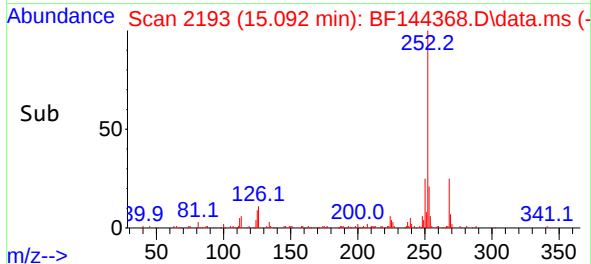
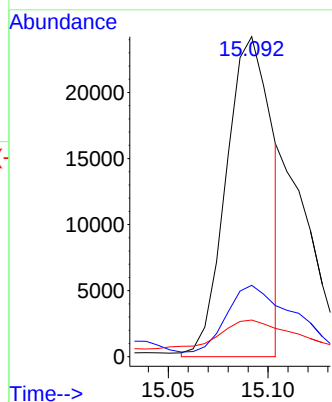
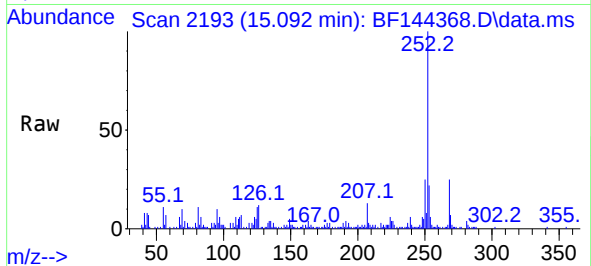
SB-1125-12B

Tgt Ion:252 Resp: 3843
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 11.4 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: 3.236 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144368.D
Acq: 26 Nov 2025 18:42

Tgt Ion:252 Resp: 27191
Ion Ratio Lower Upper
252 100
253 24.7 16.7 25.1
125 14.0 5.7 8.5

