

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144369.D
 Acq On : 26 Nov 2025 19:13
 Operator : RC/JU
 Sample : Q3719-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-14A

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:51:21 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	52766	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	194377	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	98091	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	144935	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134586	20.000	ng	#-0.01
86) Perylene-d12	15.521	264	161855	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	295138	87.529	ng	0.00
7) Phenol-d6	6.492	99	333098	87.184	ng	0.00
23) Nitrobenzene-d5	7.422	82	207671	61.705	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	89850	72.994	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	435721	65.606	ng	-0.01
79) Terphenyl-d14	12.980	244	382398	45.131	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	20787	2.248	ng	100
71) Phenanthrene	11.416	178	78496	10.878	ng	99
72) Anthracene	11.469	178	18041	2.459	ng	96
75) Fluoranthene	12.610	202	143573	19.261	ng	97
78) Pyrene	12.839	202	135354	12.473	ng	98
81) Benzo(a)anthracene	14.033	228	113906	12.211	ng	94
83) Chrysene	14.068	228	87408	10.151	ng	94
87) Indeno(1,2,3-cd)pyrene	17.015	276	42163	3.629	ng	97
88) Benzo(b)fluoranthene	15.092	252	125081m	13.593	ng	
89) Benzo(k)fluoranthene	15.104	252	54031m	6.273	ng	
90) Benzo(a)pyrene	15.457	252	95993	11.308	ng	# 97
92) Benzo(g,h,i)perylene	17.474	276	36903	4.005	ng	# 96

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

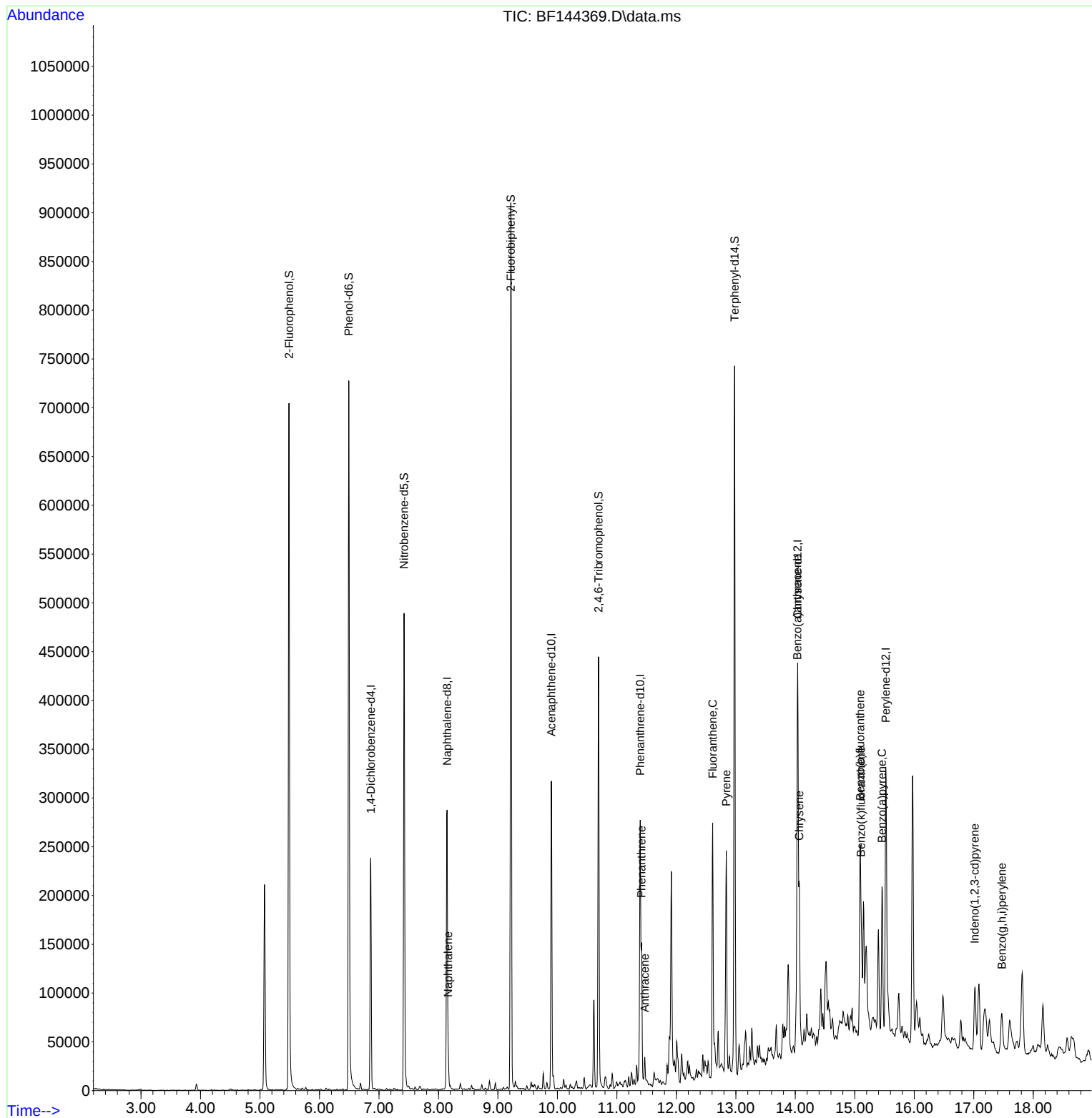
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
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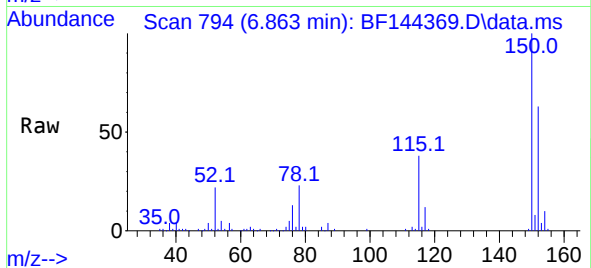
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

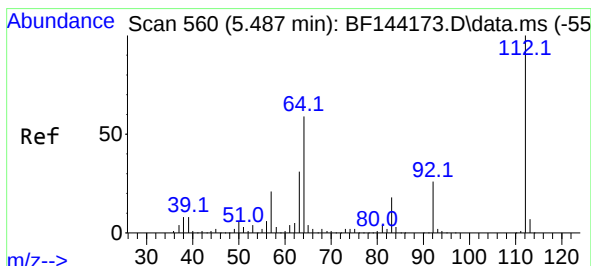
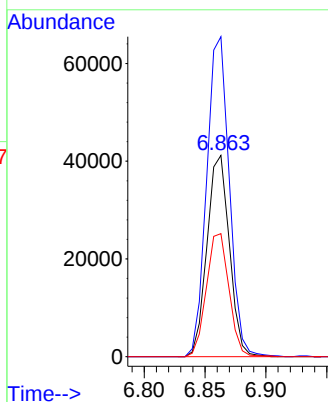
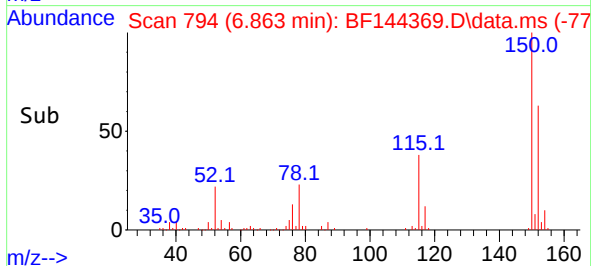
Instrument :
BNA_F
ClientSampleId :
SB-1125-14A



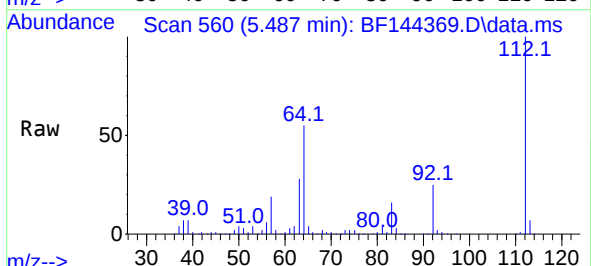
Tgt Ion:152 Resp: 52760
Ion Ratio Lower Upper
152 100
150 159.0 127.4 191.0
115 61.1 49.5 74.3

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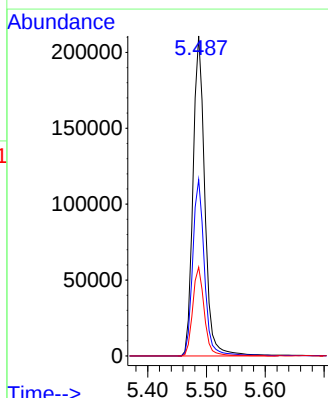
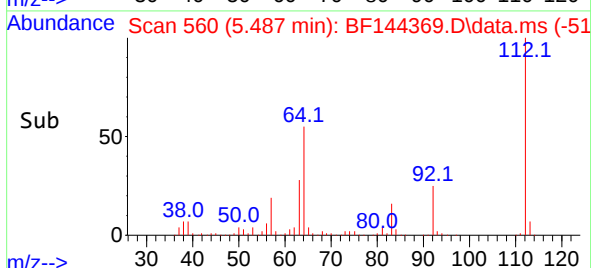
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#5
2-Fluorophenol
Concen: 87.529 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13



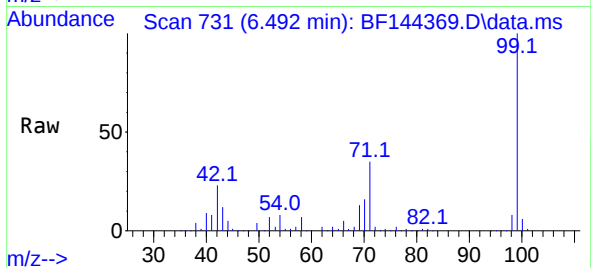
Tgt Ion:112 Resp: 295138
Ion Ratio Lower Upper
112 100
64 55.1 47.2 70.8
63 27.7 24.4 36.6





#7
Phenol-d6
Concen: 87.184 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

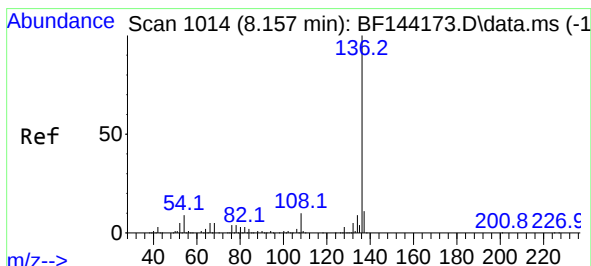
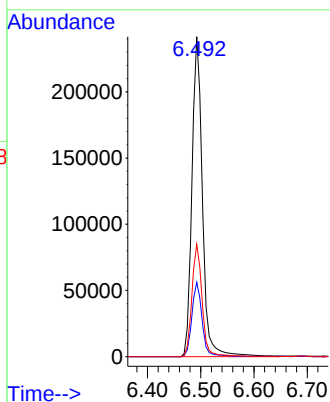
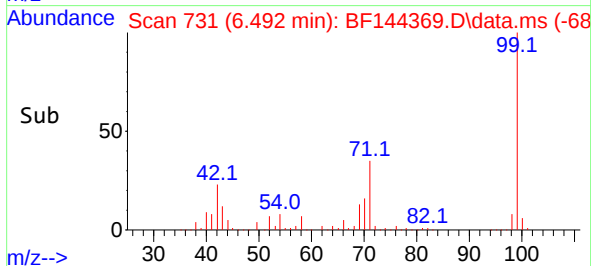
Instrument :
BNA_F
ClientSampleId :
SB-1125-14A



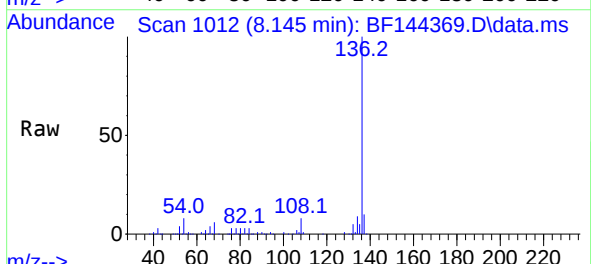
Tgt Ion: 99 Resp: 333098
Ion Ratio Lower Upper
99 100
42 23.2 20.9 31.3
71 35.1 31.4 47.2

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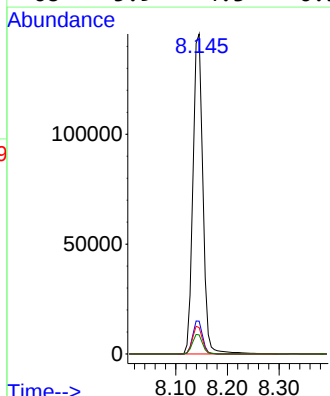
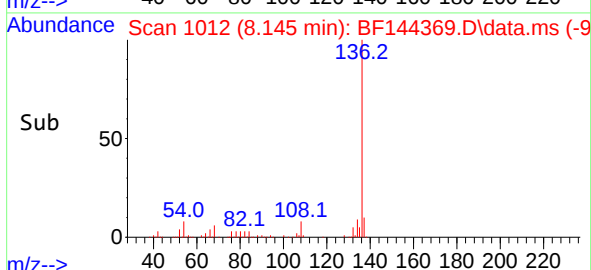
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

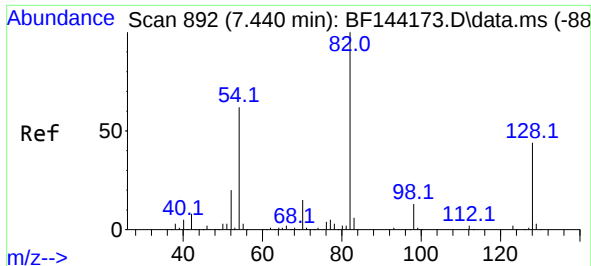


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13



Tgt Ion:136 Resp: 194377
Ion Ratio Lower Upper
136 100
137 10.2 8.6 13.0
54 8.3 7.0 10.6
68 5.9 4.3 6.5





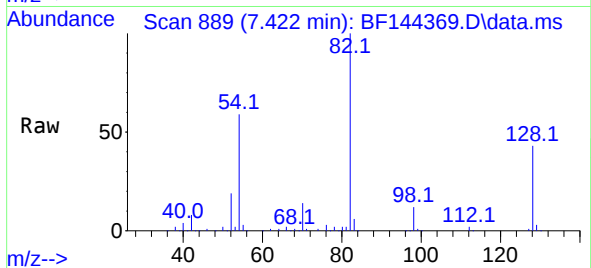
#23
Nitrobenzene-d5
Concen: 61.705 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-14A

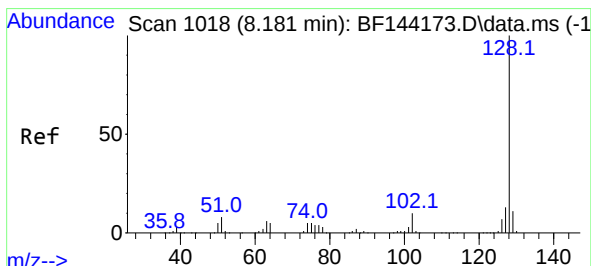
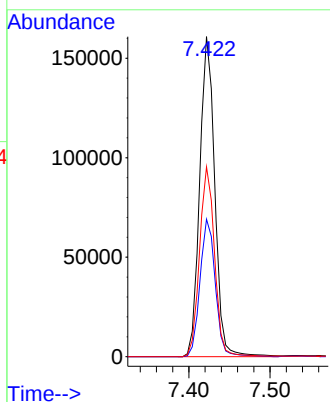
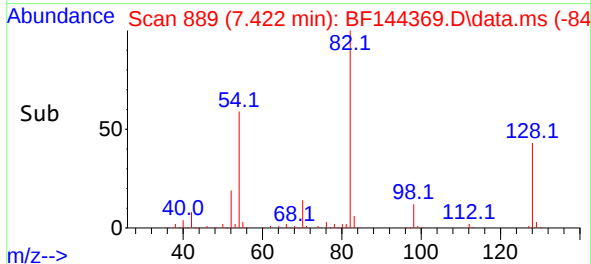


Tgt Ion: 82 Resp: 20767
Ion Ratio Lower Upper
82 100
128 43.0 34.7 52.1
54 59.3 49.5 74.3

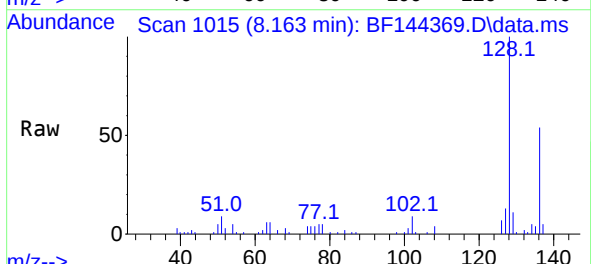
Manual Integrations

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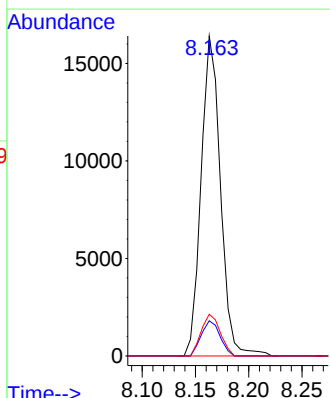
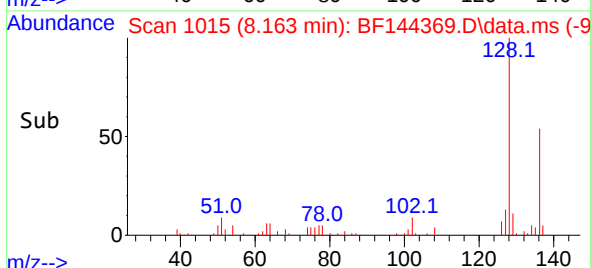
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

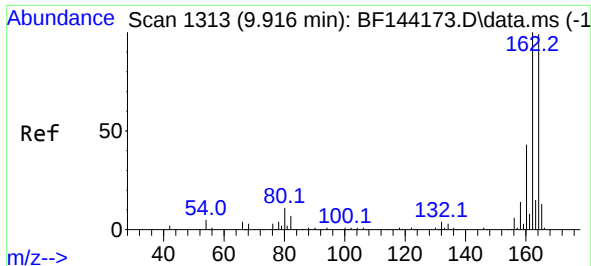


#31
Naphthalene
Concen: 2.248 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13



Tgt Ion:128 Resp: 20787
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.1 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: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

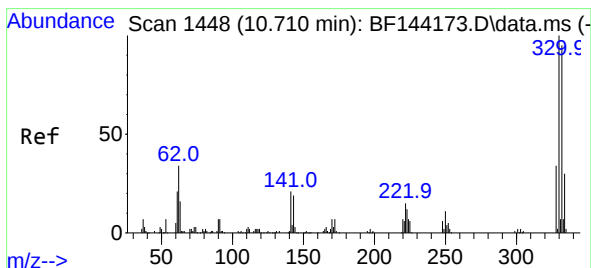
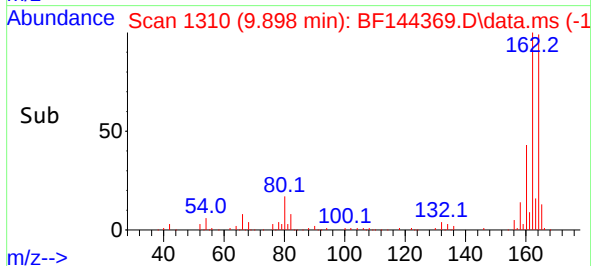
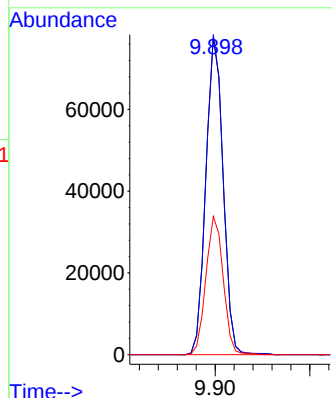
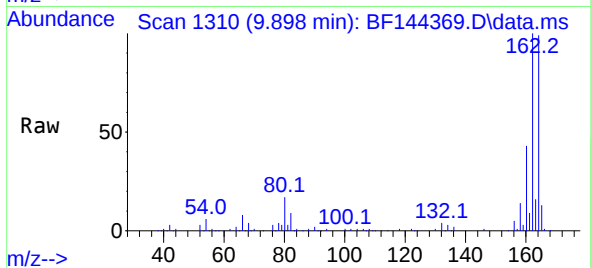
SB-1125-14A

Tgt Ion:164 Resp: 9809
Ion Ratio Lower Upper
164 100
162 100.9 81.1 121.7
160 43.6 34.5 51.7

Manual Integrations

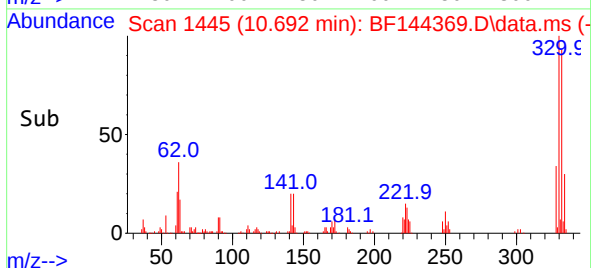
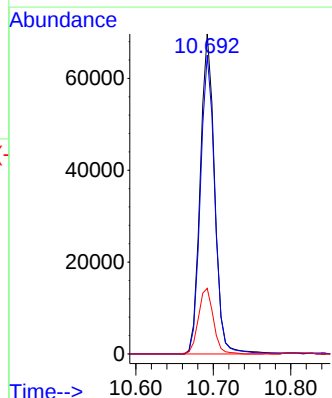
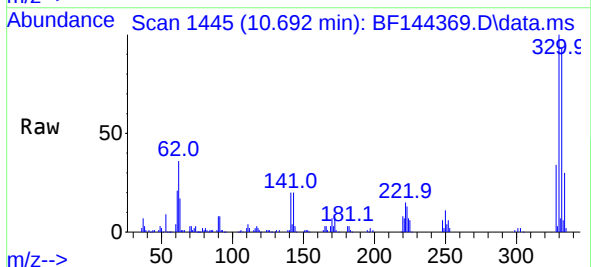
APPROVED

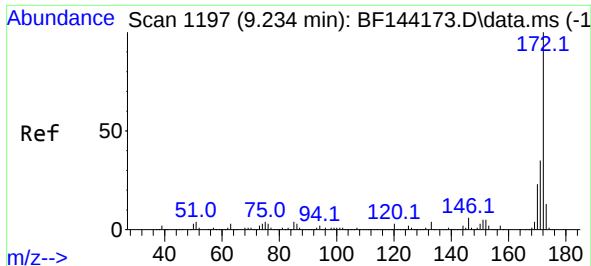
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#42
2,4,6-Tribromophenol
Concen: 72.994 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

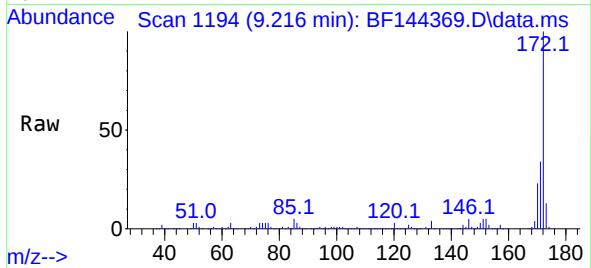
Tgt Ion:330 Resp: 89850
Ion Ratio Lower Upper
330 100
332 93.4 76.7 115.1
141 21.3 17.8 26.8





#45
2-Fluorobiphenyl
Concen: 65.606 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

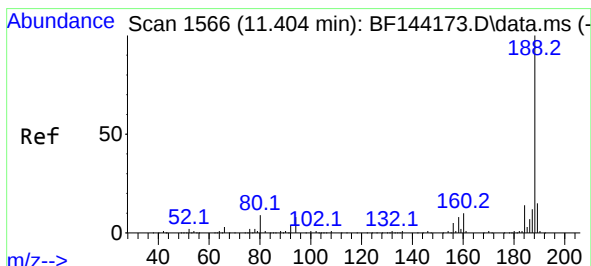
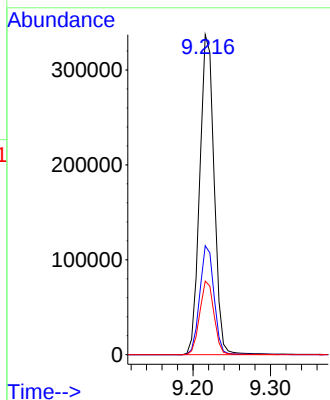
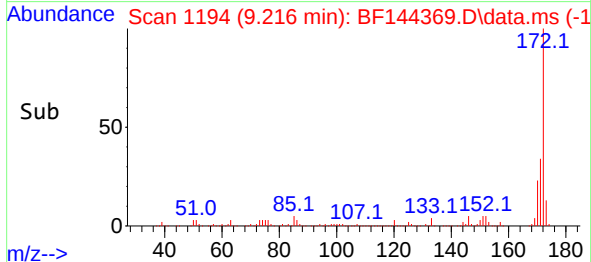
Instrument :
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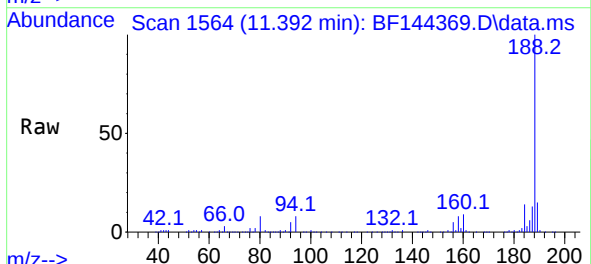
Tgt Ion:172 Resp: 43572
Ion Ratio Lower Upper
172 100
171 34.0 28.1 42.1
170 23.0 18.6 28.0

Manual Integrations
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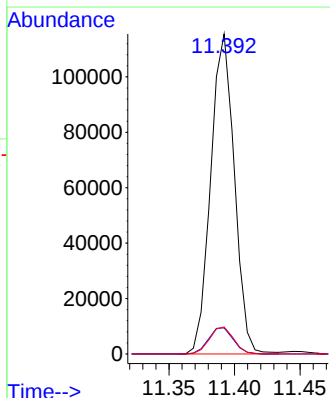
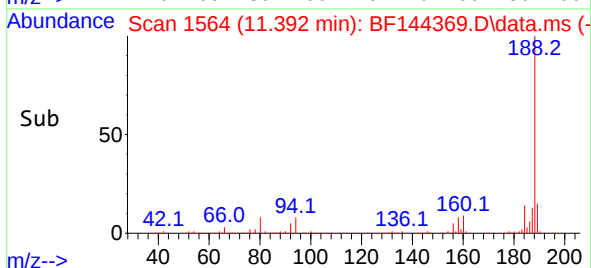
Reviewed By :Jagrut Upadhyay 12/02/2025
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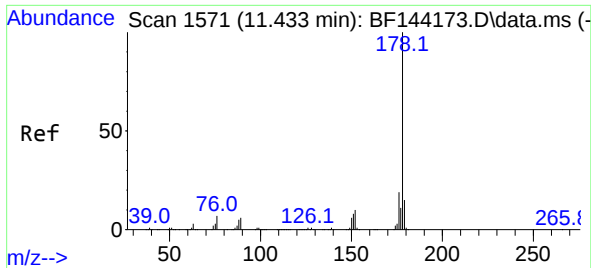


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13



Tgt Ion:188 Resp: 144935
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.4 6.9 10.3





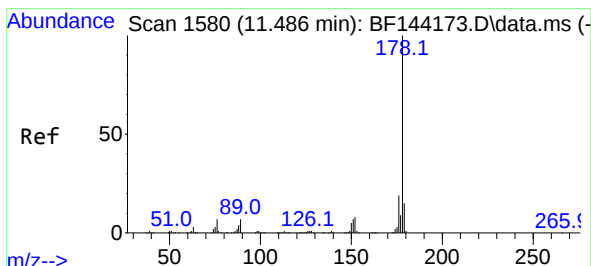
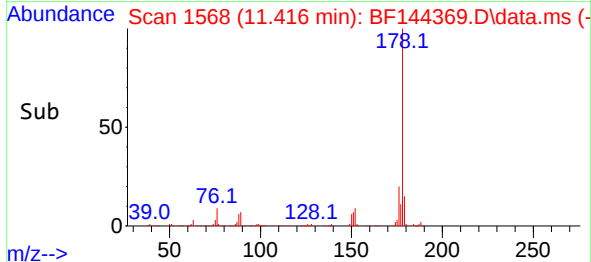
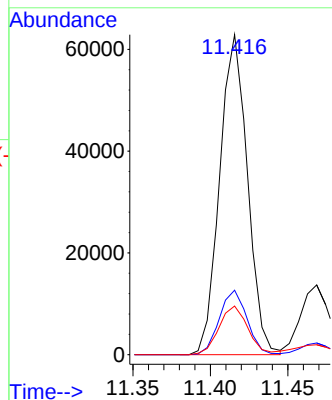
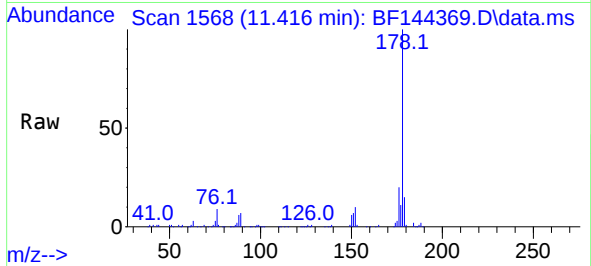
#71
Phenanthrene
Concen: 10.878 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :
BNA_F
ClientSampleId :
SB-1125-14A

Tgt Ion:178 Resp: 78490
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.2 12.2 18.4

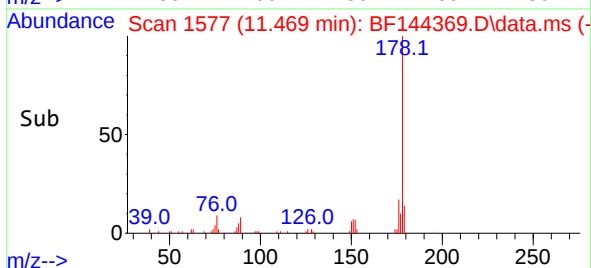
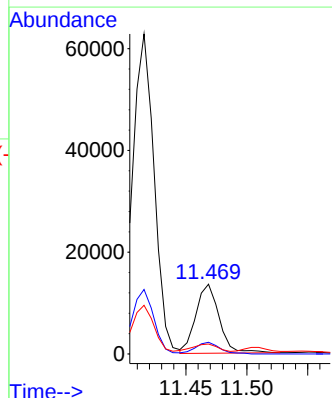
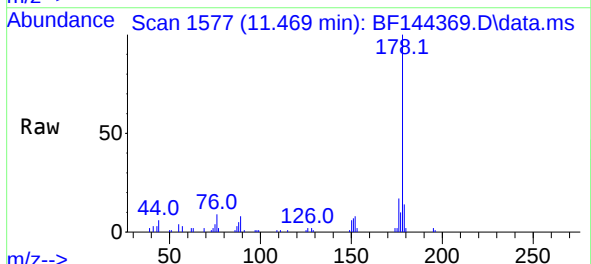
Manual Integrations
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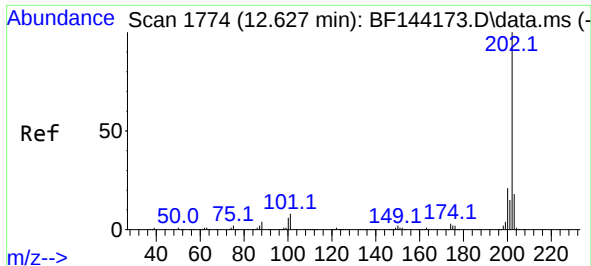
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#72
Anthracene
Concen: 2.459 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Tgt Ion:178 Resp: 18041
Ion Ratio Lower Upper
178 100
176 16.8 15.3 22.9
179 14.2 12.0 18.0





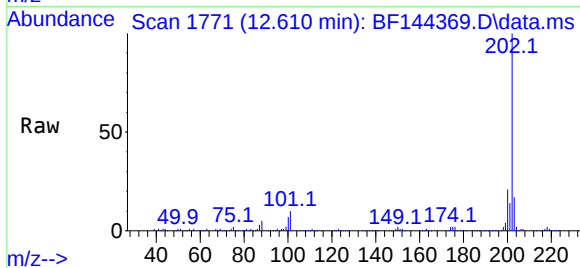
#75
Fluoranthene
Concen: 19.261 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-14A

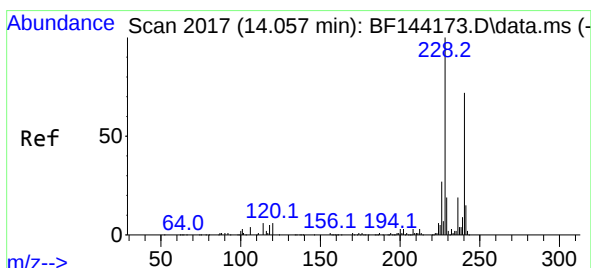
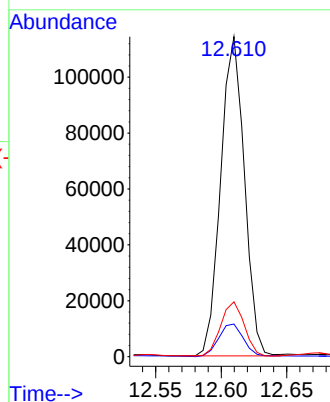
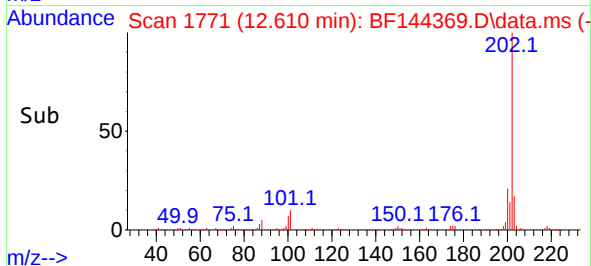


Tgt Ion:202 Resp: 14357
Ion Ratio Lower Upper
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101 10.2 0.0 27.9
203 17.2 0.0 37.5

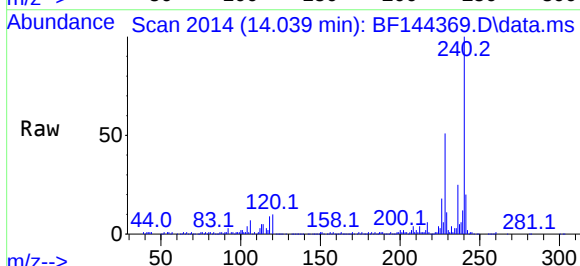
Manual Integrations

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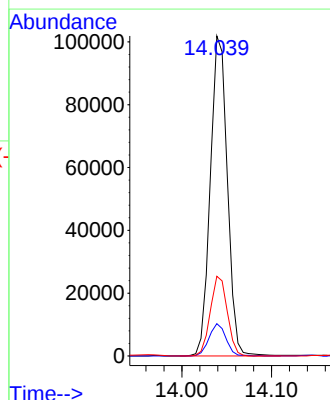
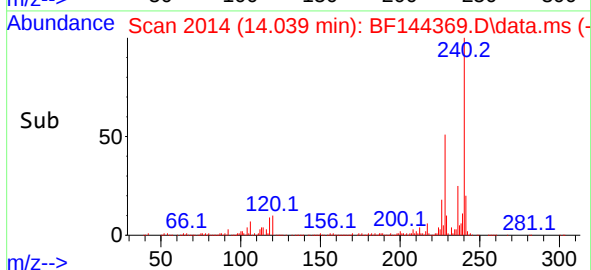
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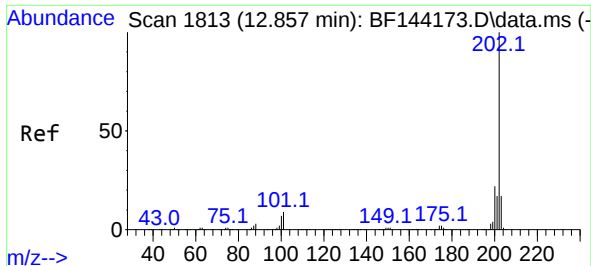


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13



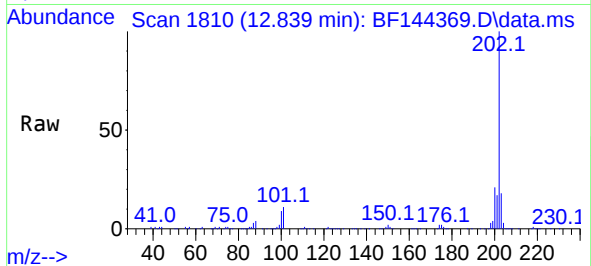
Tgt Ion:240 Resp: 134586
Ion Ratio Lower Upper
240 100
120 10.1 6.6 10.0#
236 24.9 21.4 32.2





#78
Pyrene
Concen: 12.473 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

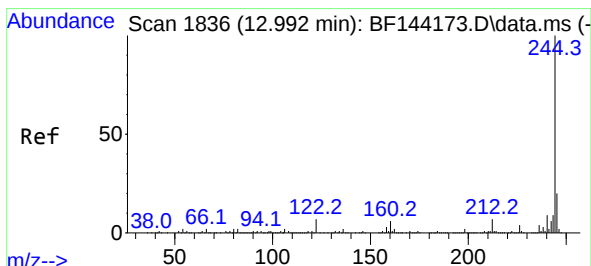
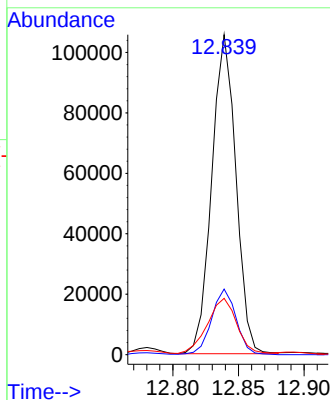
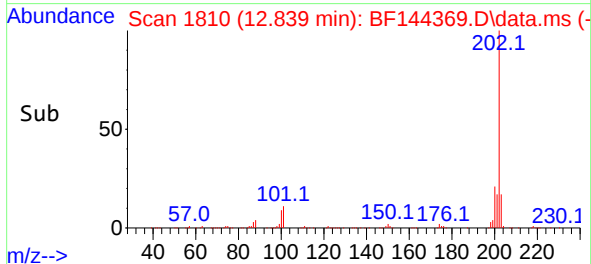
Instrument :
BNA_F
ClientSampleId :
SB-1125-14A



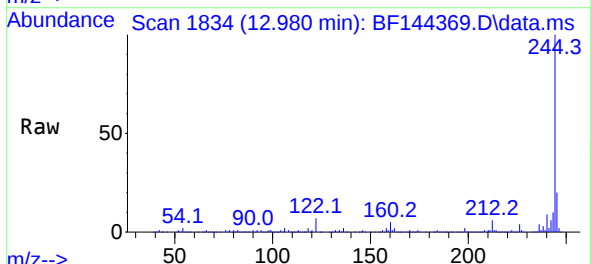
Tgt Ion:202 Resp: 135354
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 17.6 13.7 20.5

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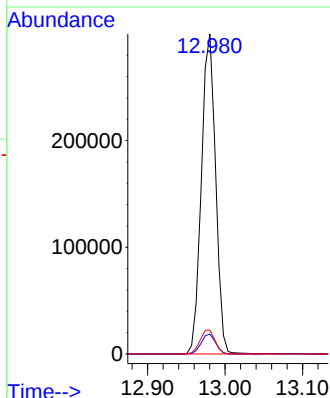
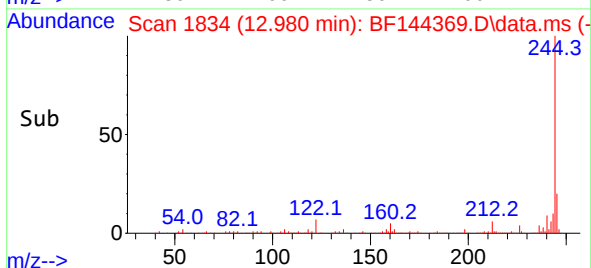
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

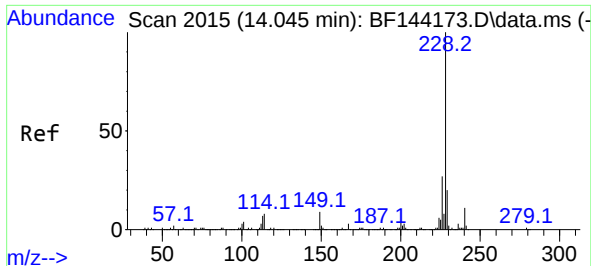


#79
Terphenyl-d14
Concen: 45.131 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13



Tgt Ion:244 Resp: 382398
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.5 5.6 8.4





#81
Benzo(a)anthracene
Concen: 12.211 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

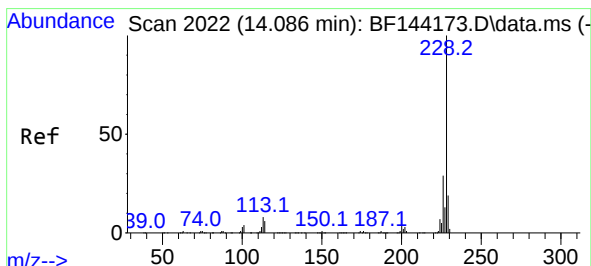
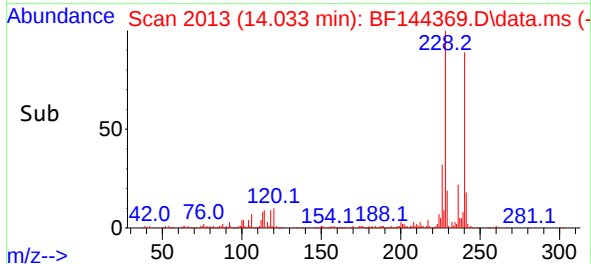
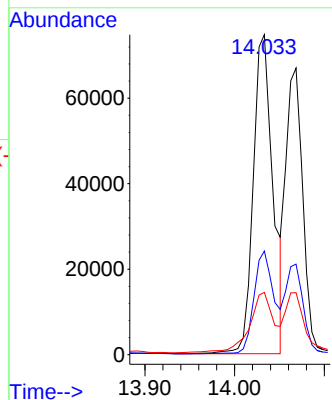
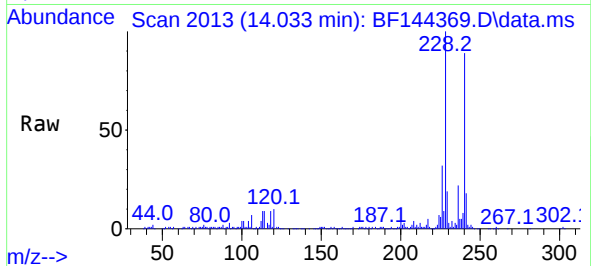
SB-1125-14A

Tgt Ion:228 Resp: 113900
Ion Ratio Lower Upper
228 100
226 32.4 21.8 32.8
229 19.5 15.8 23.6

Manual Integrations

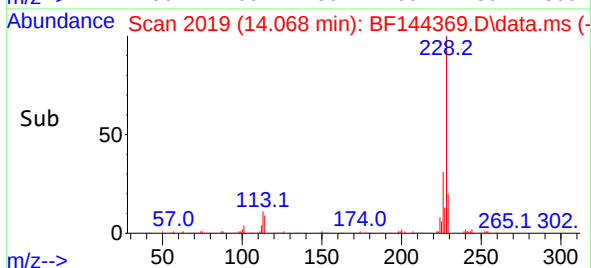
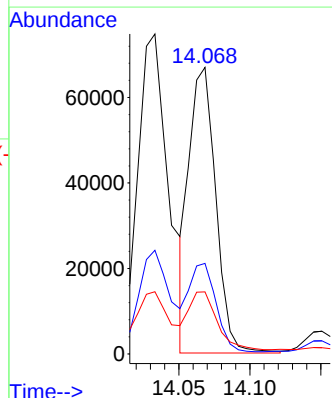
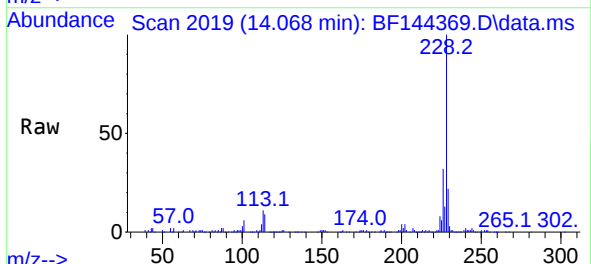
APPROVED

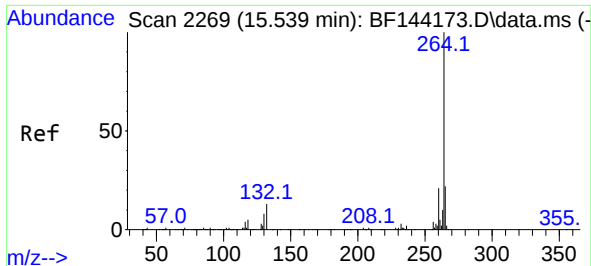
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#83
Chrysene
Concen: 10.151 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Tgt Ion:228 Resp: 87408
Ion Ratio Lower Upper
228 100
226 31.6 22.9 34.3
229 21.7 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21685
Delta R.T. -0.018 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

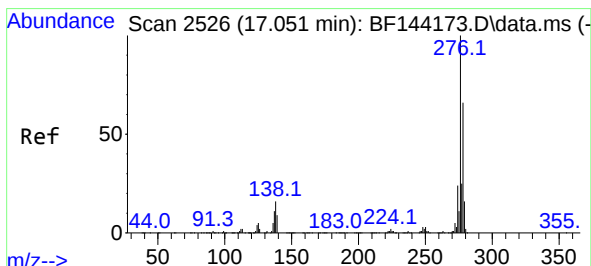
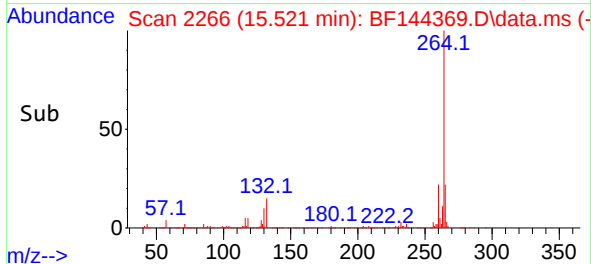
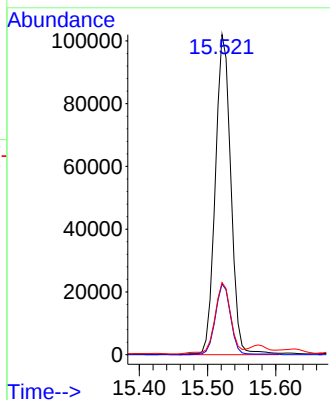
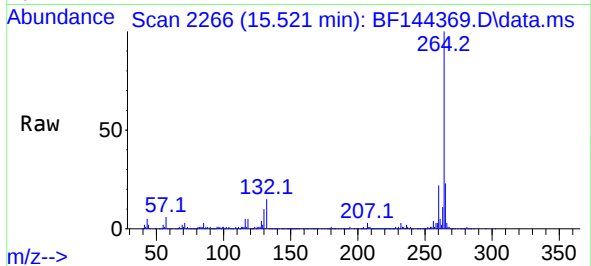
ClientSampleId :

SB-1125-14A

Tgt Ion:264 Resp: 16185
Ion Ratio Lower Upper
264 100
260 22.1 17.1 25.7
265 22.6 17.4 26.0

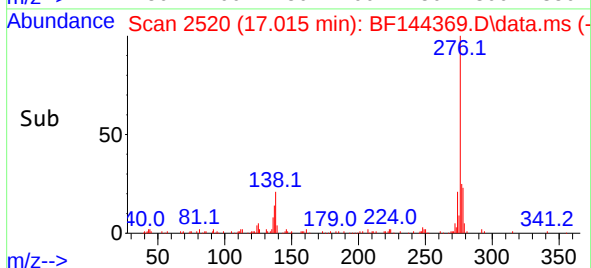
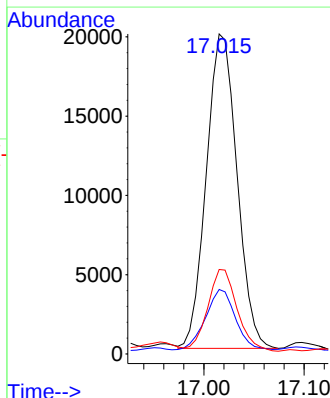
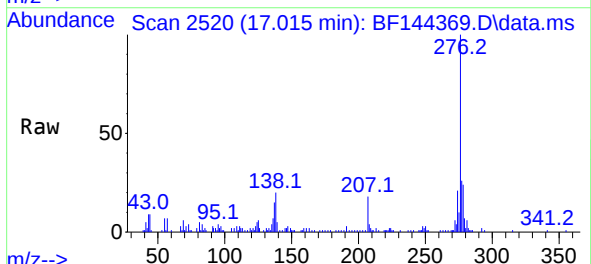
Manual Integrations
APPROVED

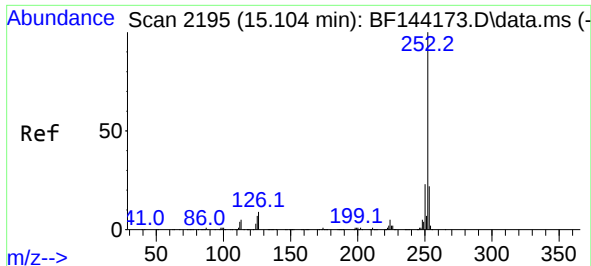
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.629 ng
RT: 17.015 min Scan# 2520
Delta R.T. -0.018 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Tgt Ion:276 Resp: 42163
Ion Ratio Lower Upper
276 100
138 20.1 13.9 20.9
277 25.0 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 13.593 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

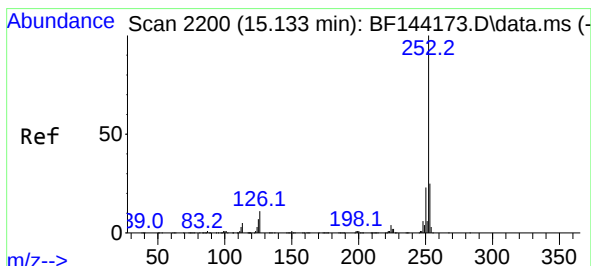
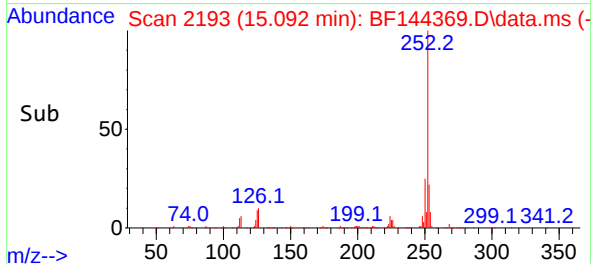
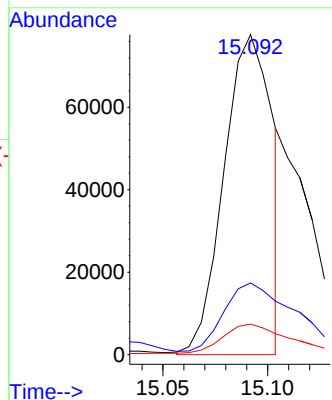
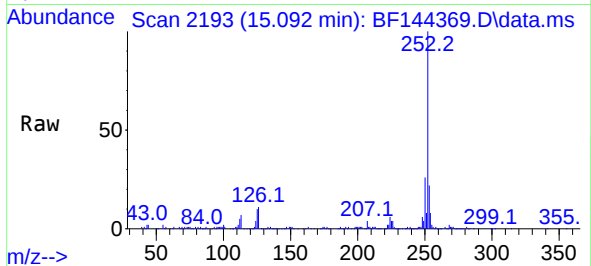
SB-1125-14A

Tgt Ion:252 Resp: 12508
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 9.6 5.3 7.9

Manual Integrations

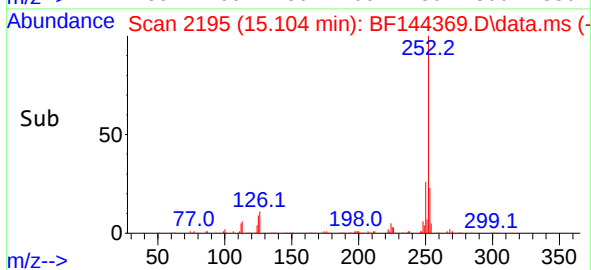
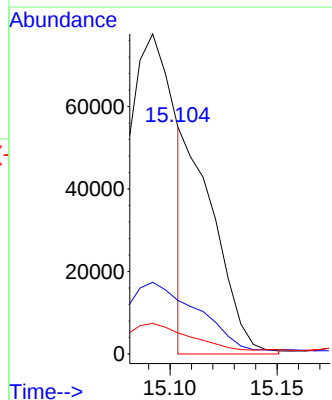
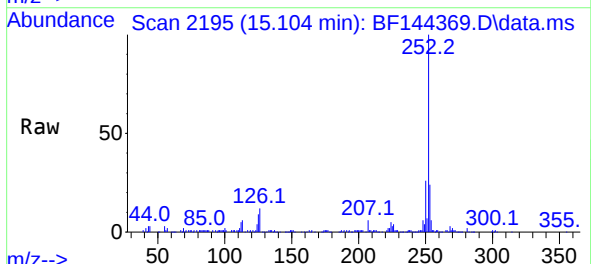
APPROVED

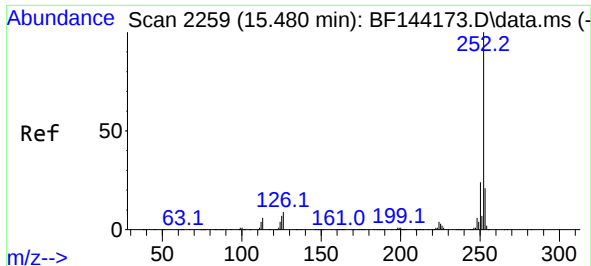
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#89
Benzo(k)fluoranthene
Concen: 6.273 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Tgt Ion:252 Resp: 54031
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 9.3 5.4 8.2





#90
Benzo(a)pyrene
Concen: 11.308 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

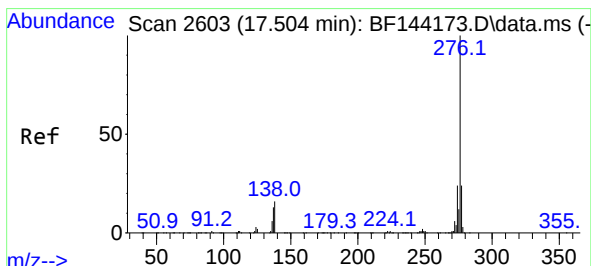
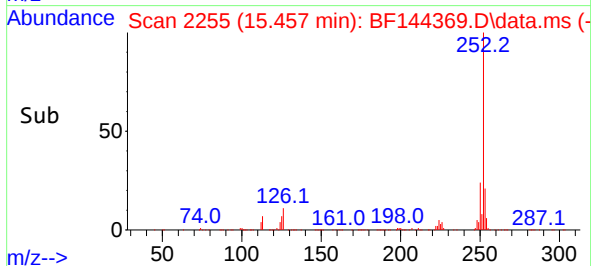
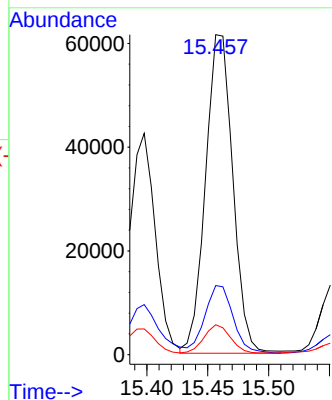
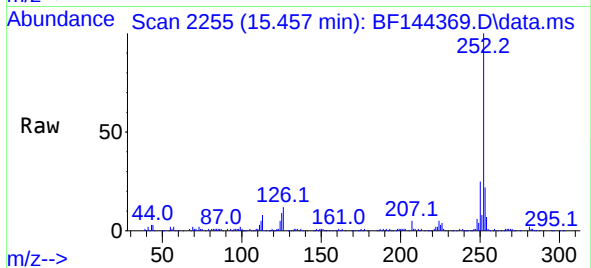
SB-1125-14A

Tgt Ion:252 Resp: 9599
Ion Ratio Lower Upper
252 100
253 21.6 16.7 25.1
125 9.4 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: 4.005 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.018 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Tgt Ion:276 Resp: 36903
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.4
138 19.6 12.9 19.3

