

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144370.D
 Acq On : 26 Nov 2025 19:43
 Operator : RC/JU
 Sample : Q3719-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-14B

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:51:44 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	55532	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	197185	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	101598	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	149191	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	136224	20.000	ng	-0.01
86) Perylene-d12	15.521	264	168122	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293859	82.808	ng	0.00
7) Phenol-d6	6.493	99	337512	83.939	ng	0.00
23) Nitrobenzene-d5	7.422	82	201180	58.925	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	90150	70.709	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	437698	63.628	ng	-0.01
79) Terphenyl-d14	12.980	244	384397	44.822	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	36451	4.907	ng	98
75) Fluoranthene	12.610	202	85666	11.164	ng	98
78) Pyrene	12.839	202	81247	7.397	ng	99
81) Benzo(a)anthracene	14.027	228	70319m	7.448	ng	
83) Chrysene	14.063	228	67446	7.739	ng	94
87) Indeno(1,2,3-cd)pyrene	17.015	276	30089	2.493	ng	# 95
88) Benzo(b)fluoranthene	15.092	252	92427m	9.670	ng	
89) Benzo(k)fluoranthene	15.104	252	35285m	3.944	ng	
90) Benzo(a)pyrene	15.457	252	68923	7.816	ng	# 95
92) Benzo(g,h,i)perylene	17.474	276	28769	3.006	ng	# 92

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

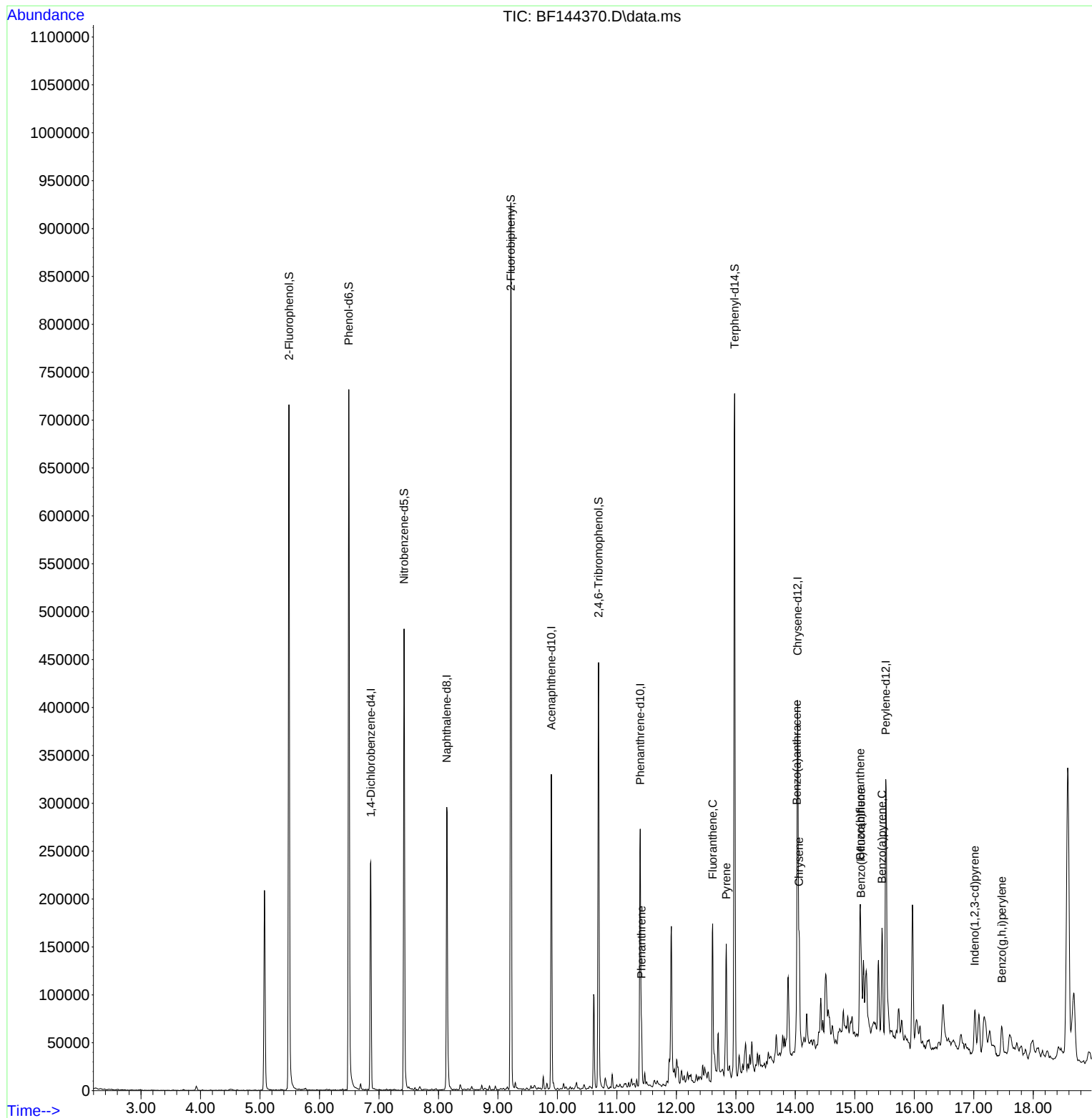
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

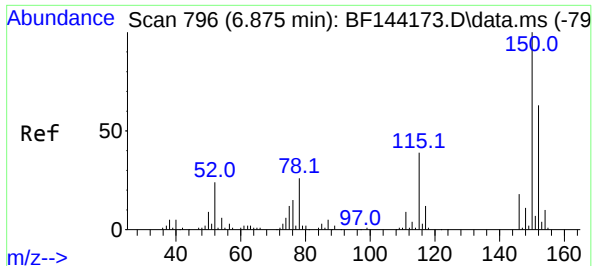
Instrument :
BNA_F
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SB-1125-14B

Quant Time: Nov 27 00:51:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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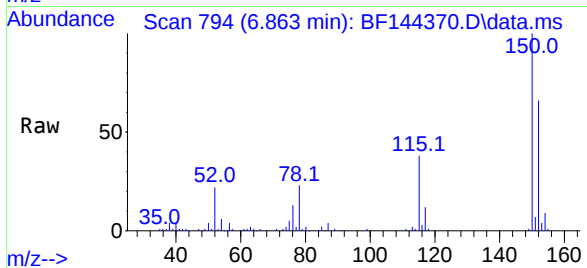
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

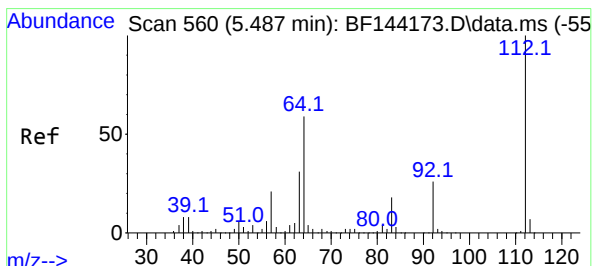
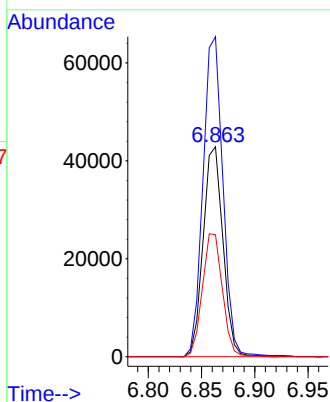
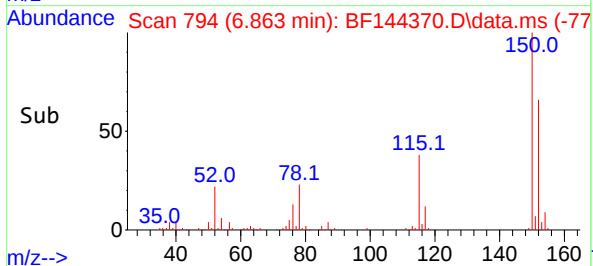


Tgt Ion:152 Resp: 5553
Ion Ratio Lower Upper
152 100
150 152.4 127.4 191.0
115 58.0 49.5 74.3

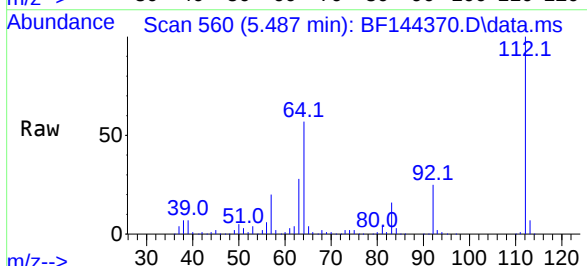
Manual Integrations

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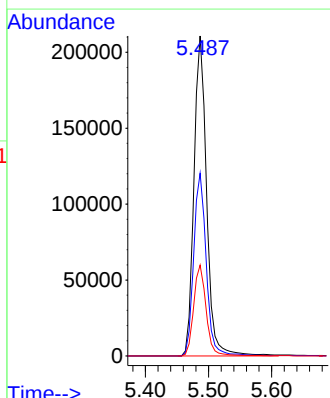
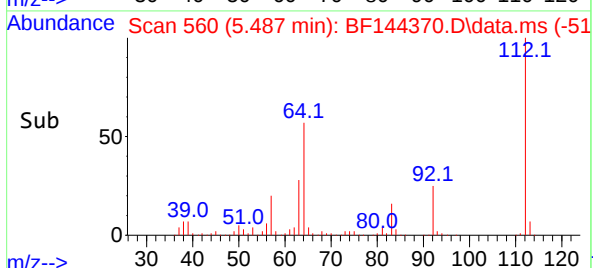
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#5
2-Fluorophenol
Concen: 82.808 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43



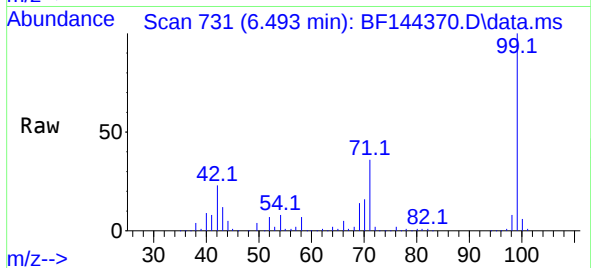
Tgt Ion:112 Resp: 293859
Ion Ratio Lower Upper
112 100
64 57.1 47.2 70.8
63 28.4 24.4 36.6





#7
Phenol-d6
Concen: 83.939 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

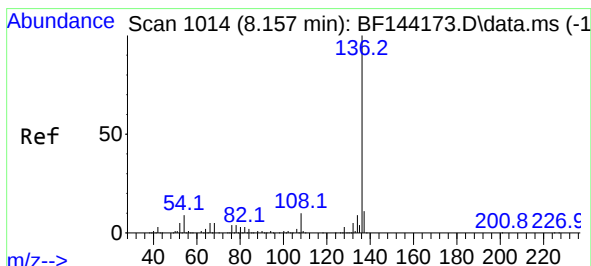
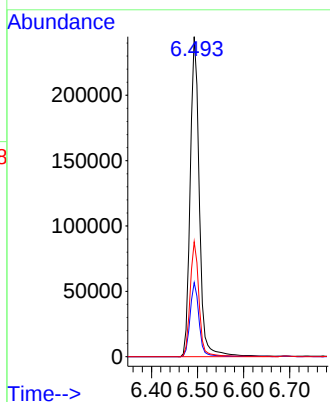
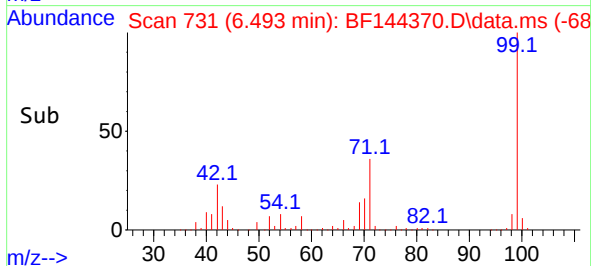
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B



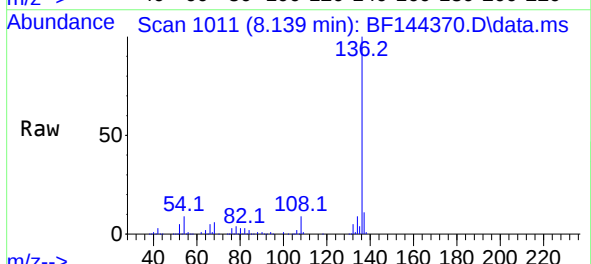
Tgt Ion: 99 Resp: 337512
Ion Ratio Lower Upper
99 100
42 23.1 20.9 31.3
71 35.9 31.4 47.2

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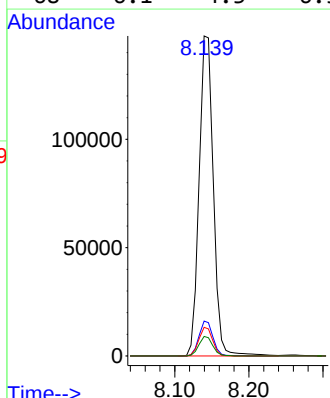
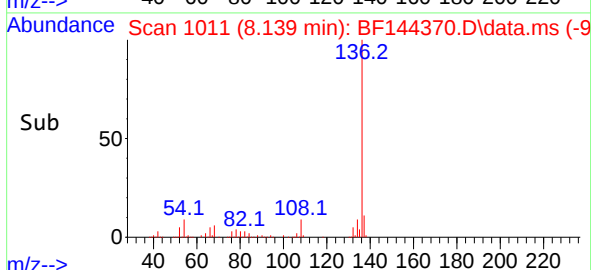
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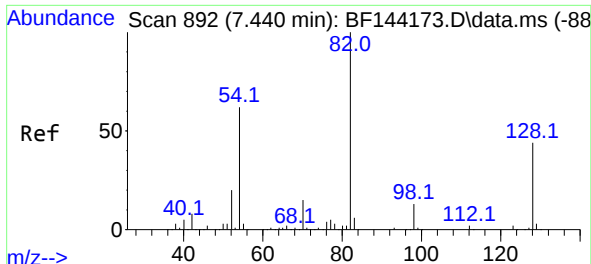


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43



Tgt Ion:136 Resp: 197185
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.9 7.0 10.6
68 6.1 4.3 6.5





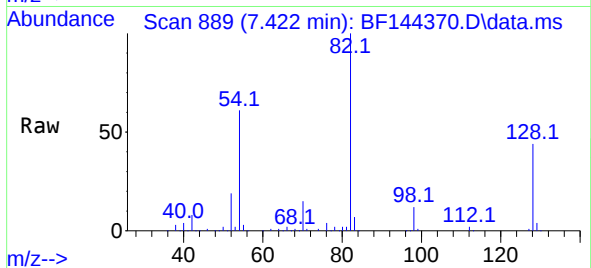
#23
Nitrobenzene-d5
Concen: 58.925 ng
RT: 7.422 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

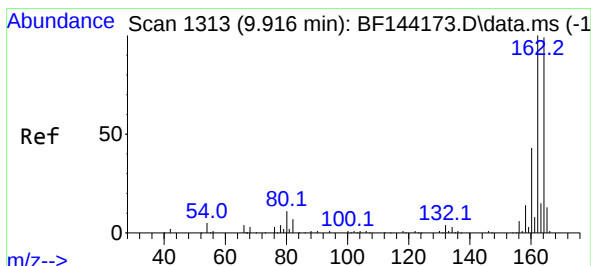
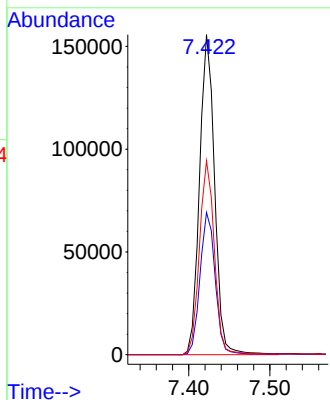
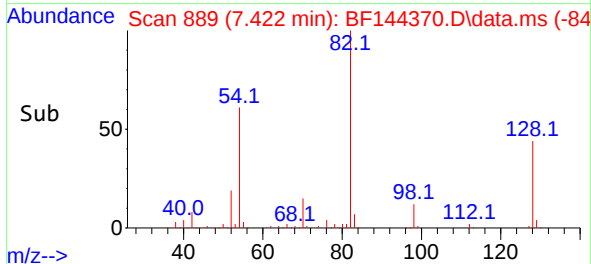


Tgt Ion: 82 Resp: 201180
Ion Ratio Lower Upper
82 100
128 44.4 34.7 52.1
54 60.6 49.5 74.3

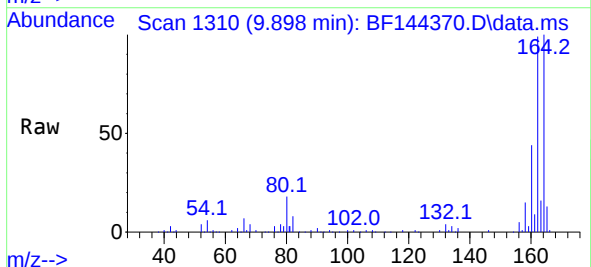
Manual Integrations

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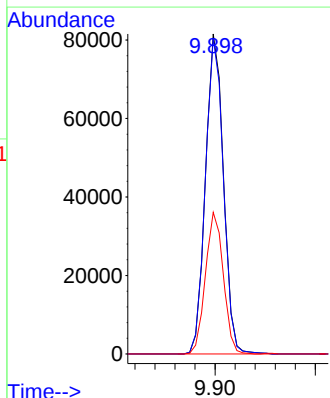
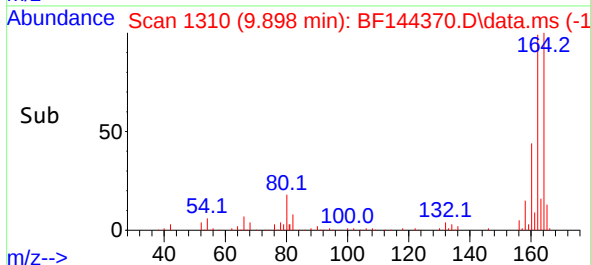
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

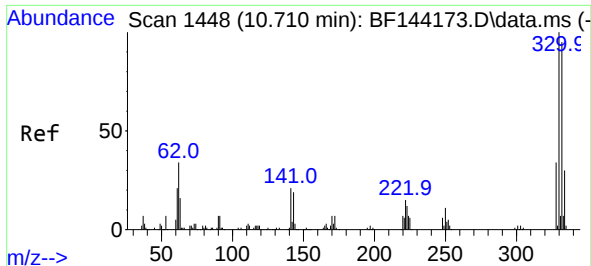


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43



Tgt Ion:164 Resp: 101598
Ion Ratio Lower Upper
164 100
162 98.7 81.1 121.7
160 44.3 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 70.709 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

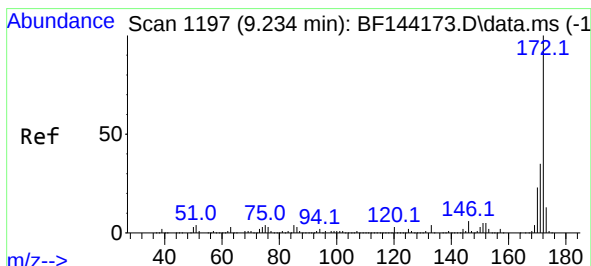
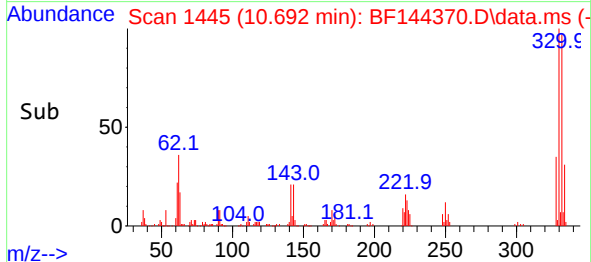
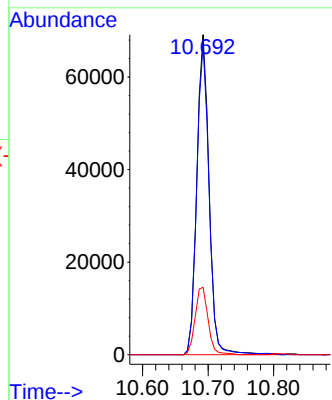
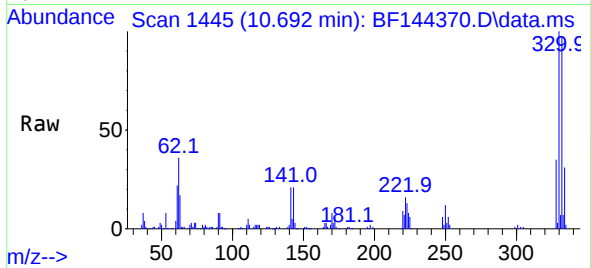
SB-1125-14B

Tgt Ion:330 Resp: 90150
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 22.2 17.8 26.8

Manual Integrations

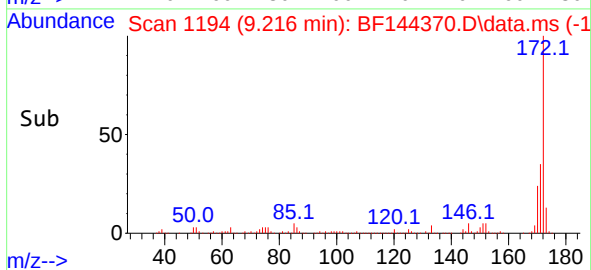
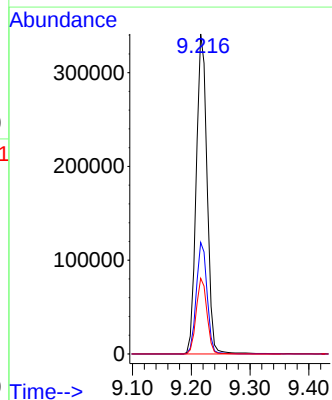
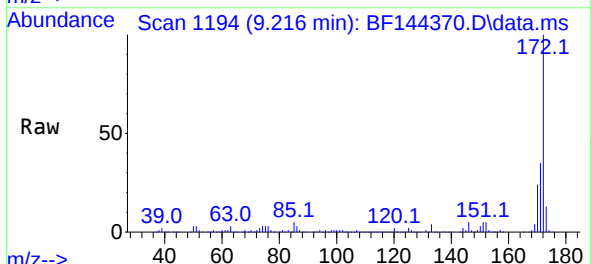
APPROVED

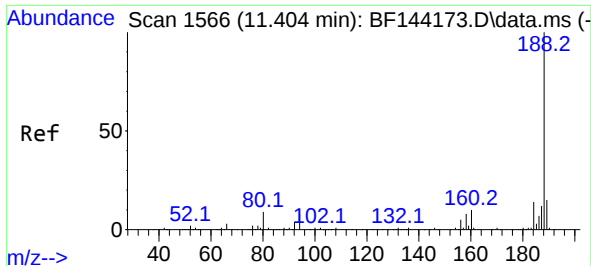
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#45
2-Fluorobiphenyl
Concen: 63.628 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:172 Resp: 437698
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.7 18.6 28.0





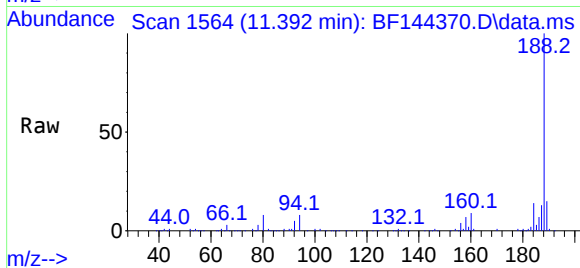
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

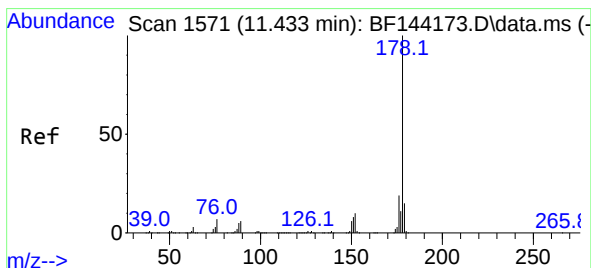
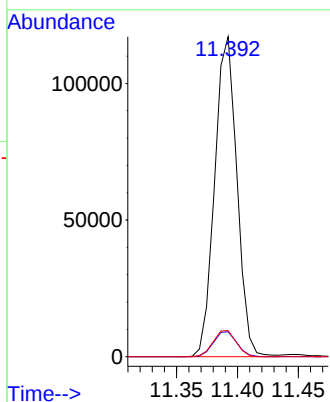
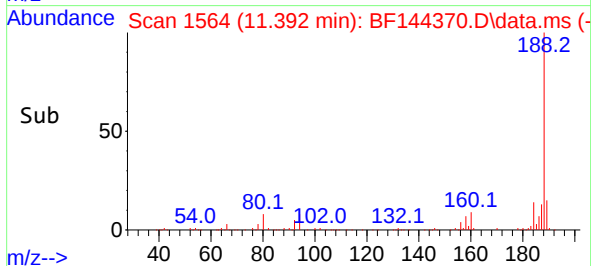


Tgt Ion:188 Resp: 14919
Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.2
80 8.2 6.9 10.3

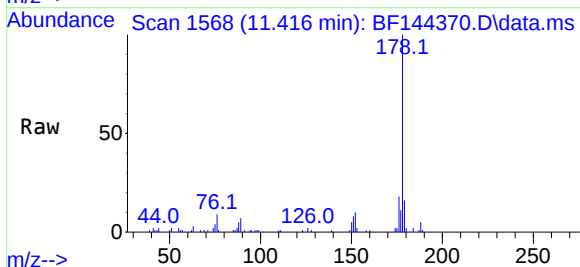
Manual Integrations

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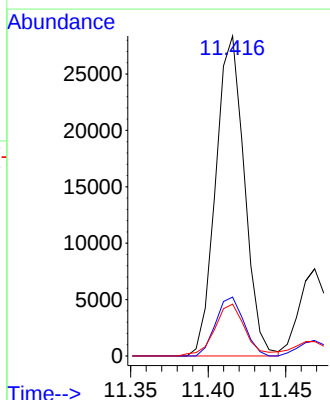
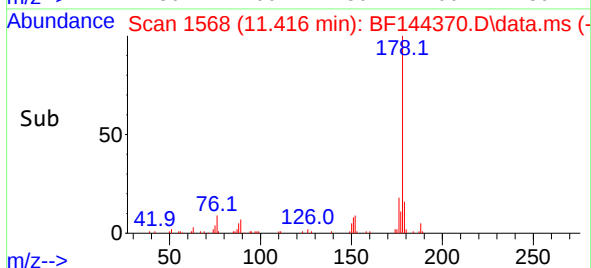
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

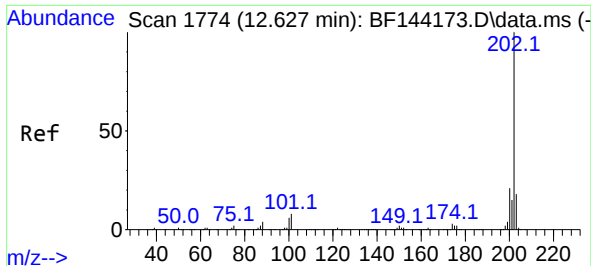


#71
Phenanthrene
Concen: 4.907 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43



Tgt Ion:178 Resp: 36451
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.2 12.2 18.4





#75
Fluoranthene
Concen: 11.164 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

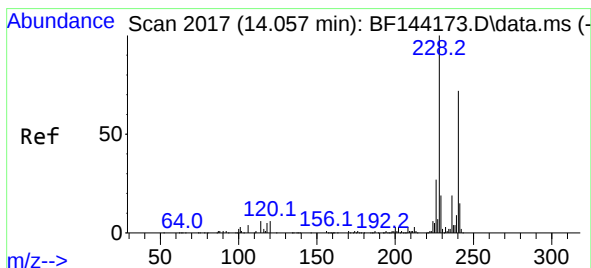
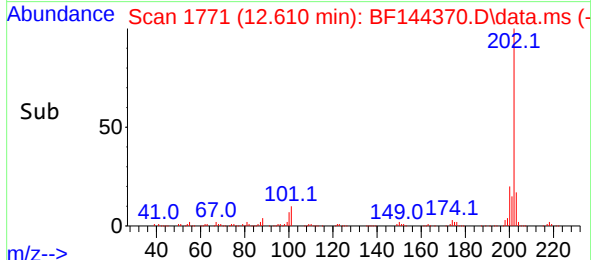
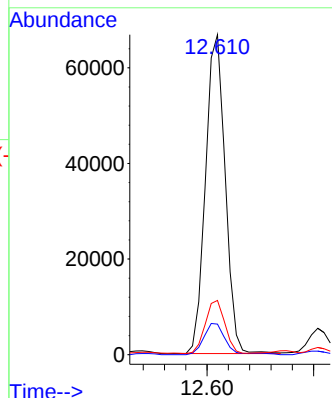
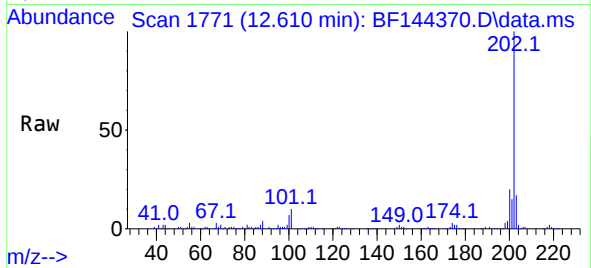
SB-1125-14B

Tgt Ion:202 Resp: 8566
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 17.0 0.0 37.5

Manual Integrations

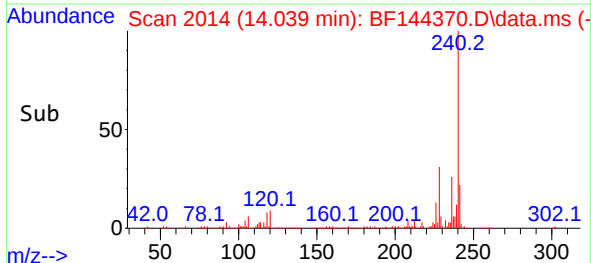
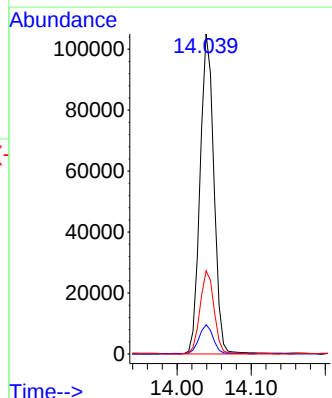
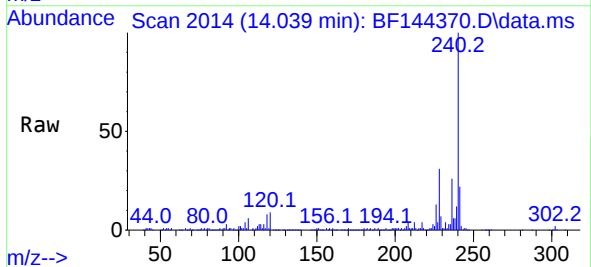
APPROVED

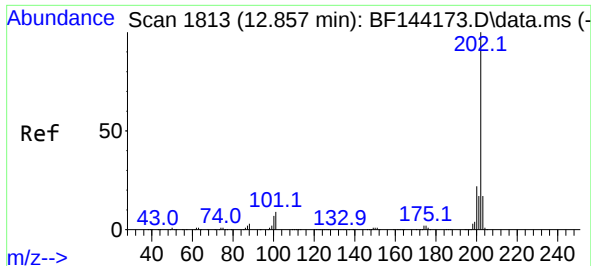
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:240 Resp: 136224
Ion Ratio Lower Upper
240 100
120 9.1 6.6 10.0
236 26.0 21.4 32.2





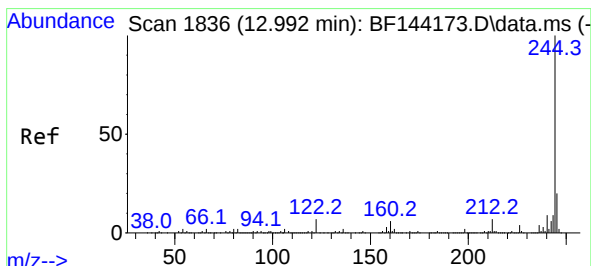
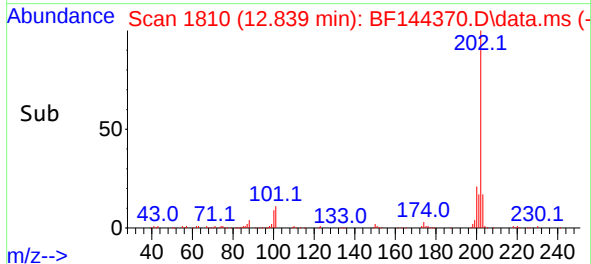
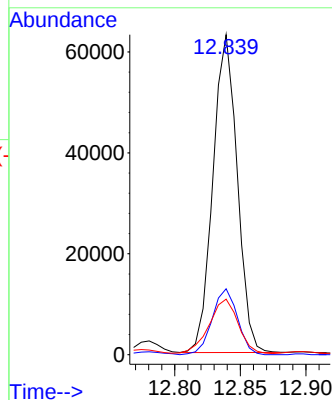
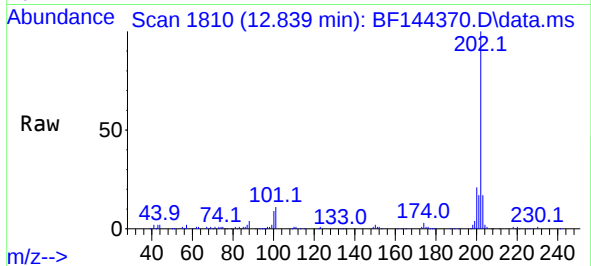
#78
Pyrene
Concen: 7.397 ng
RT: 12.839 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

Tgt Ion:202 Resp: 8124
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 17.4 13.7 20.5

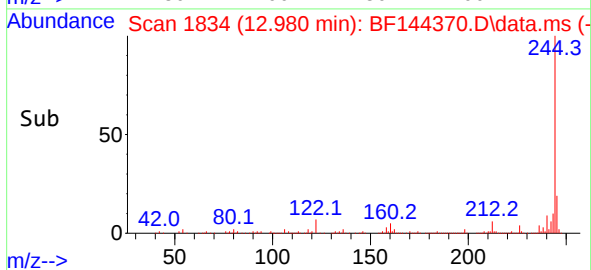
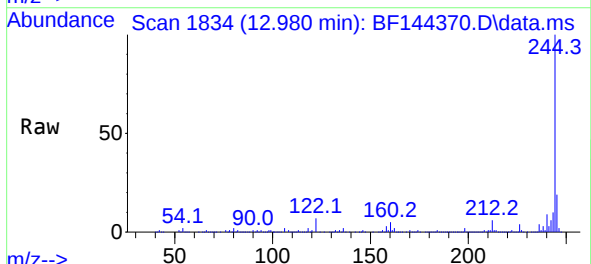
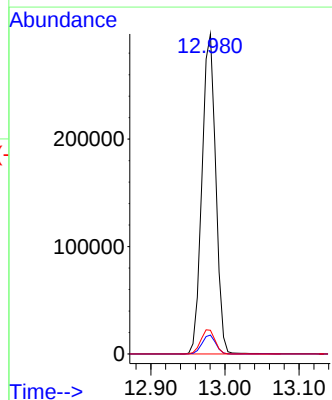
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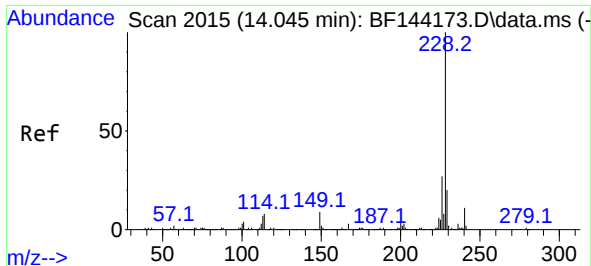
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#79
Terphenyl-d14
Concen: 44.822 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:244 Resp: 384397
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 7.4 5.6 8.4





#81
Benzo(a)anthracene
Concen: 7.448 ng m
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

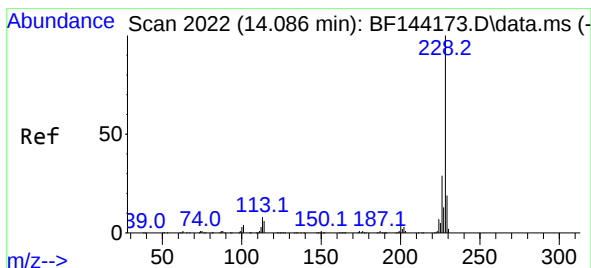
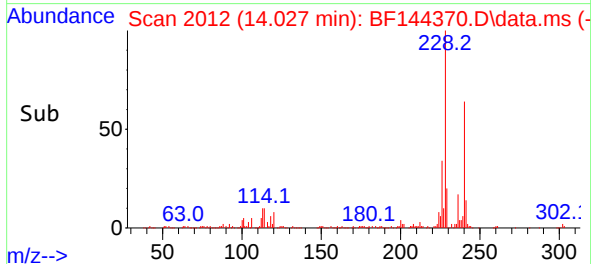
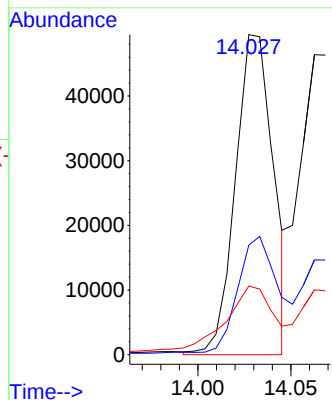
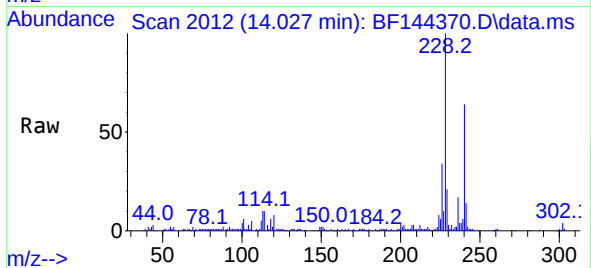
SB-1125-14B

Tgt Ion:228 Resp: 70319
Ion Ratio Lower Upper
228 100
226 34.3 21.8 32.8
229 21.5 15.8 23.6

Manual Integrations

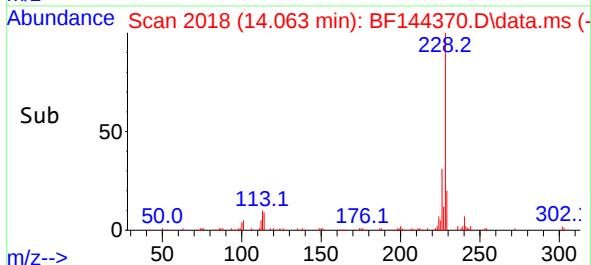
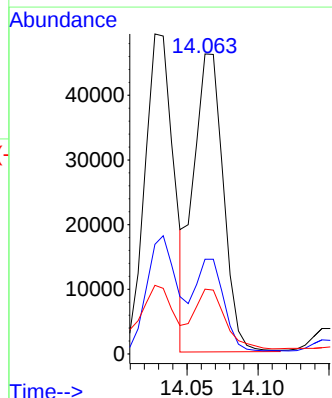
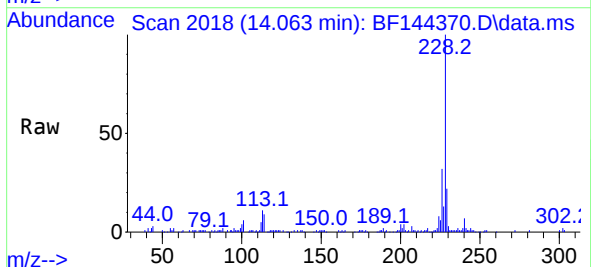
APPROVED

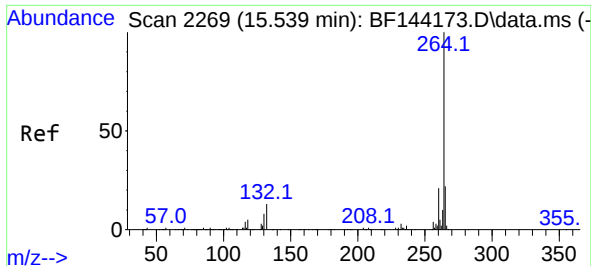
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#83
Chrysene
Concen: 7.739 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:228 Resp: 67446
Ion Ratio Lower Upper
228 100
226 31.6 22.9 34.3
229 21.6 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: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

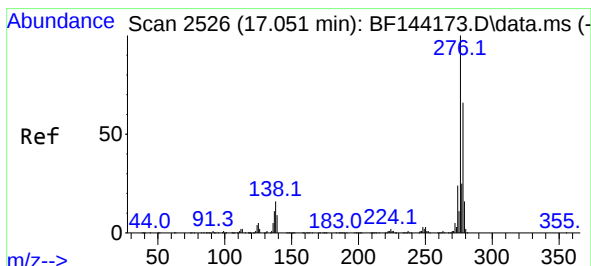
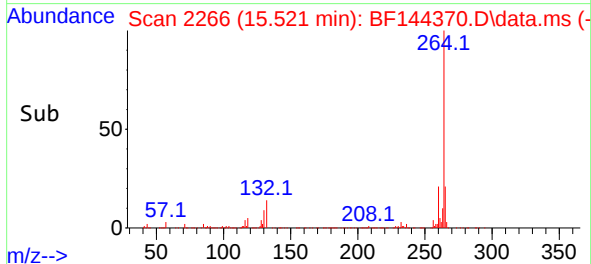
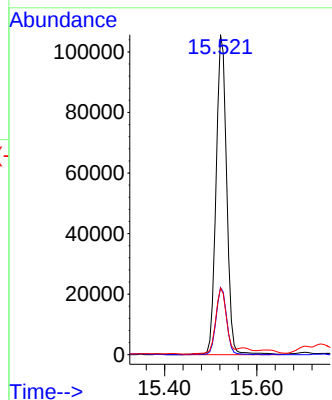
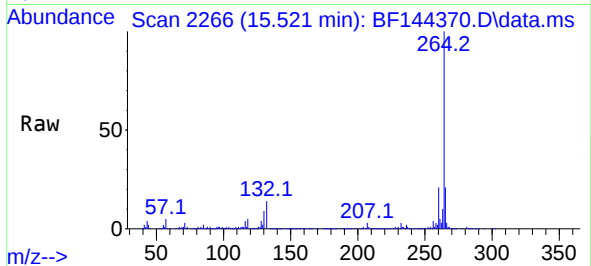
SB-1125-14B

Tgt Ion:264 Resp: 16812
Ion Ratio Lower Upper
264 100
260 20.9 17.1 25.7
265 20.9 17.4 26.0

Manual Integrations

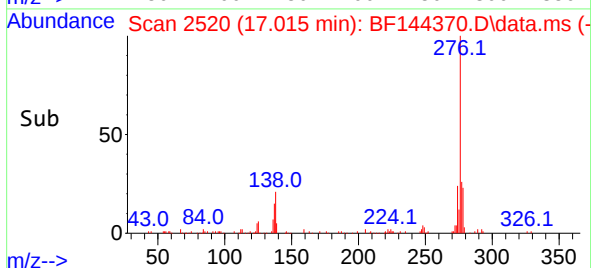
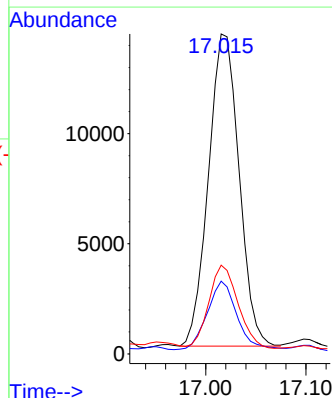
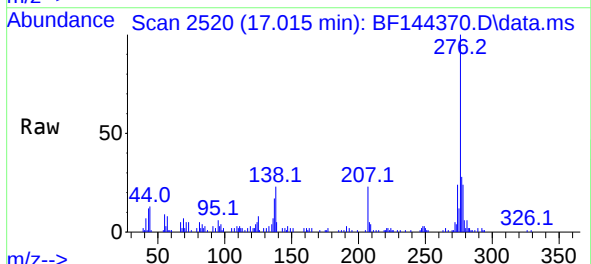
APPROVED

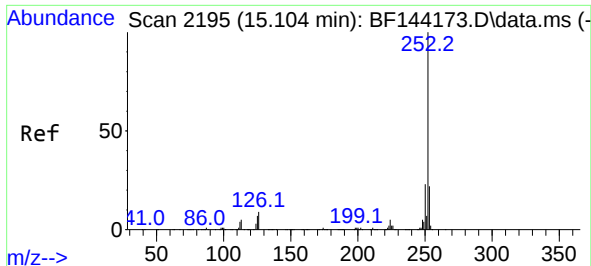
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.493 ng
RT: 17.015 min Scan# 2520
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

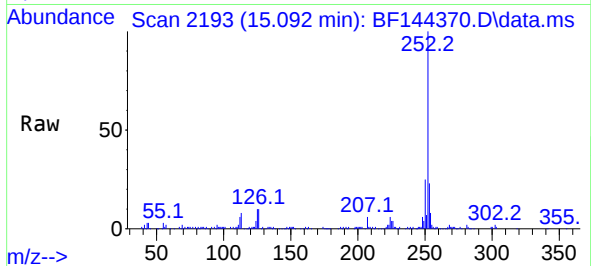
Tgt Ion:276 Resp: 30089
Ion Ratio Lower Upper
276 100
138 21.1 13.9 20.9#
277 25.9 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 9.670 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

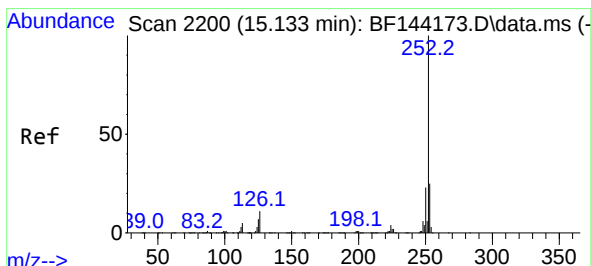
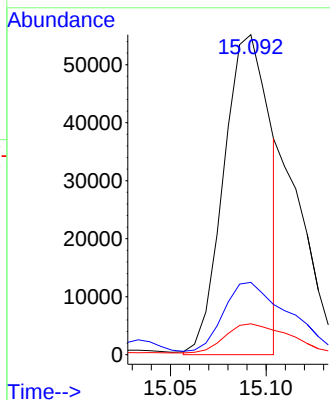
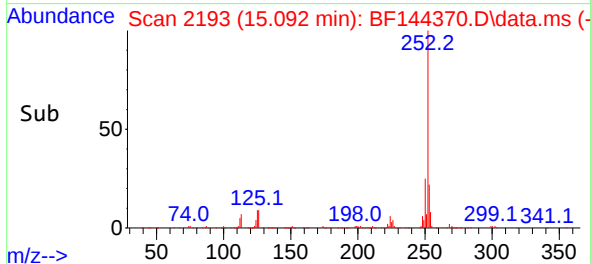
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B



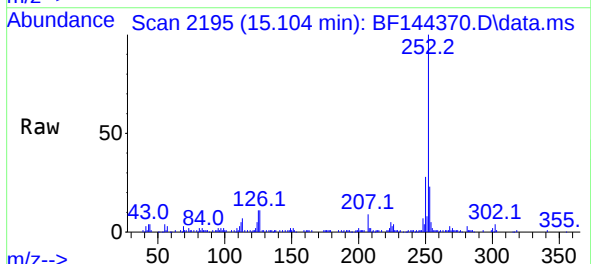
Tgt Ion:252 Resp: 9242
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 9.7 5.3 7.9

Manual Integrations
APPROVED

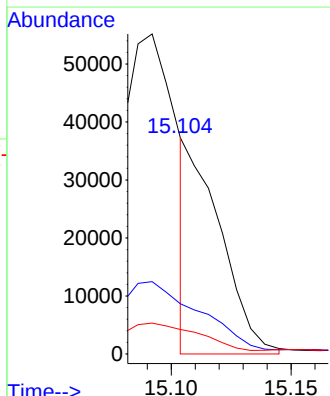
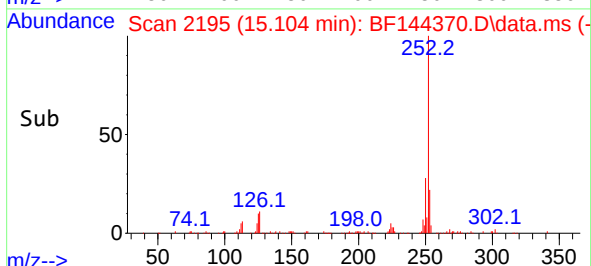
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

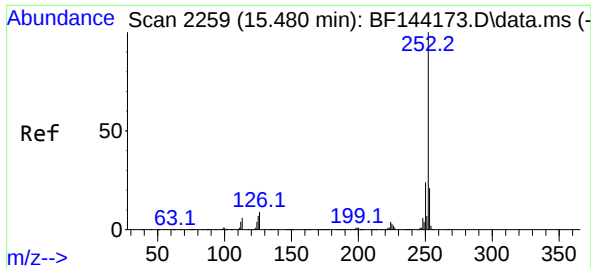


#89
Benzo(k)fluoranthene
Concen: 3.944 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43



Tgt Ion:252 Resp: 35285
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 11.3 5.4 8.2





#90
Benzo(a)pyrene
Concen: 7.816 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

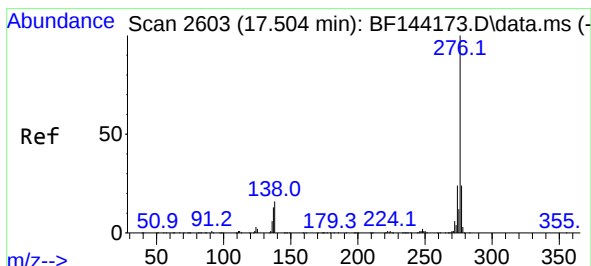
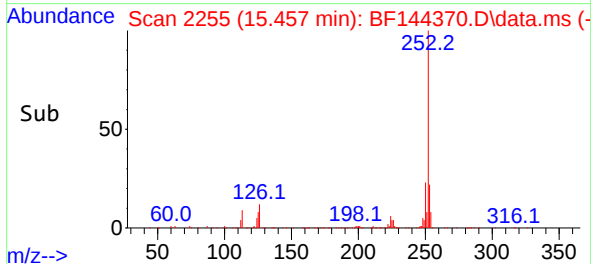
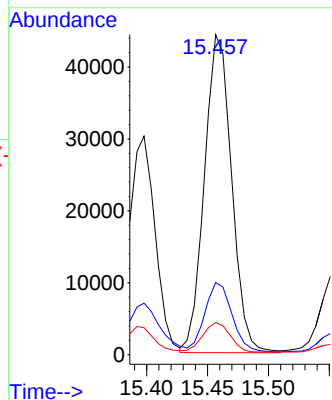
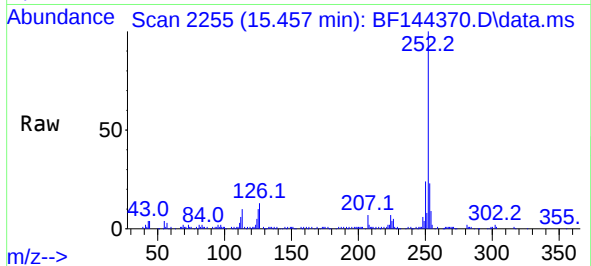
SB-1125-14B

Tgt Ion:252 Resp: 6892
Ion Ratio Lower Upper
252 100
253 22.5 16.7 25.1
125 10.1 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: 3.006 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:276 Resp: 28769
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.4
138 22.0 12.9 19.3

