

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144404.D
 Acq On : 02 Dec 2025 15:50
 Operator : RC/JU
 Sample : Q3742-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-20

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025

Quant Time: Dec 02 16:13:04 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	47751	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	182737	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	97535	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	153495	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	114317	20.000	ng	0.00
86) Perylene-d12	15.527	264	155142	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	246954	80.931	ng	0.00
7) Phenol-d6	6.493	99	288498	83.441	ng	0.00
23) Nitrobenzene-d5	7.422	82	174131	55.035	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	93376	76.291	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	385664	58.400	ng	-0.01
79) Terphenyl-d14	12.980	244	348216	48.384	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	103608	11.919	ng	99
52) Acenaphthene	9.934	154	21533	4.069	ng	96
55) Dibenzofuran	10.104	168	21704	2.928	ng	# 93
58) Fluorene	10.451	166	37230	6.606	ng	97
71) Phenanthrene	11.416	178	315099	41.231	ng	99
72) Anthracene	11.469	178	100044	12.874	ng	99
73) Carbazole	11.628	167	22244	3.366	ng	95
75) Fluoranthene	12.610	202	306330	38.803	ng	99
78) Pyrene	12.839	202	285901	31.018	ng	98
81) Benzo(a)anthracene	14.033	228	173681	21.921	ng	97
83) Chrysene	14.069	228	143298	19.592	ng	95
87) Indeno(1,2,3-cd)pyrene	17.021	276	68307	6.133	ng	96
88) Benzo(b)fluoranthene	15.092	252	189459m	21.480	ng	
89) Benzo(k)fluoranthene	15.110	252	61550m	7.456	ng	
90) Benzo(a)pyrene	15.463	252	148738	18.279	ng	# 95
91) Dibenzo(a,h)anthracene	17.027	278	18927	2.116	ng	# 86
92) Benzo(g,h,i)perylene	17.480	276	61450m	6.957	ng	

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

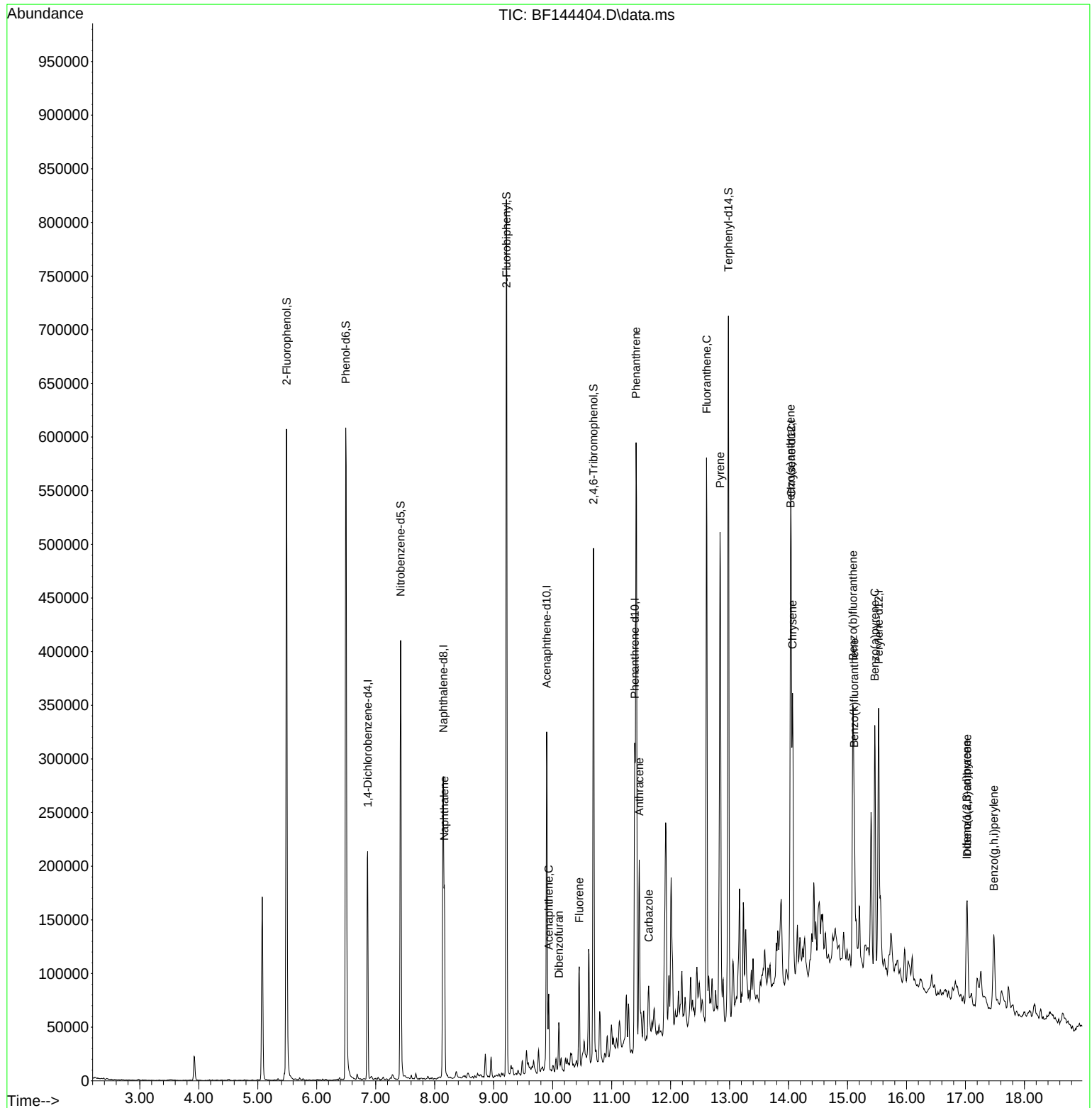
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144404.D
Acq On : 02 Dec 2025 15:50
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ALS Vial : 8 Sample Multiplier: 1

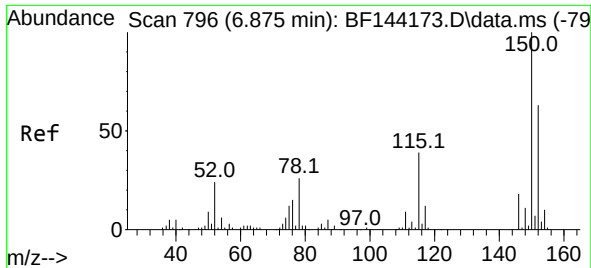
Instrument :
BNA_F
ClientSampleId :
SB-1125-20

Quant Time: Dec 02 16:13:04 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
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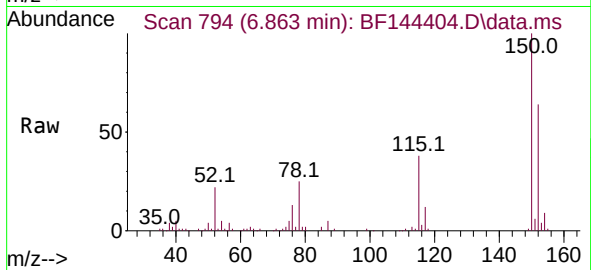
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

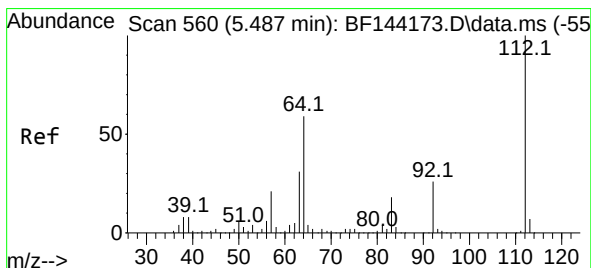
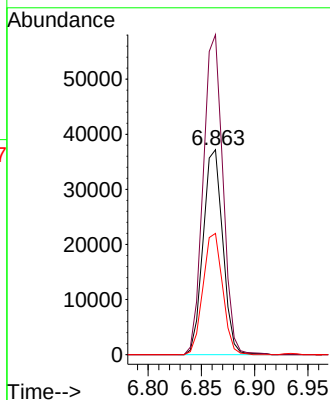
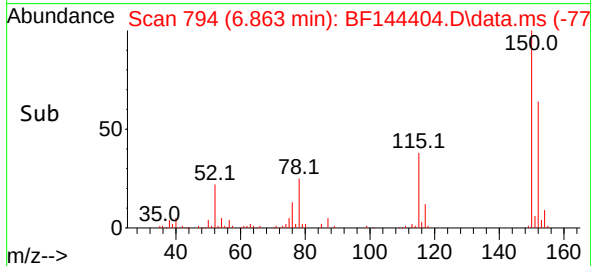
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



Tgt Ion:152 Resp: 4775
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 59.2 49.5 74.3

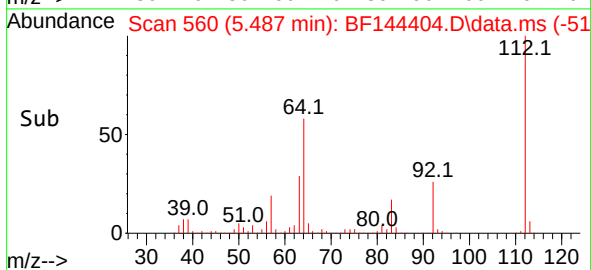
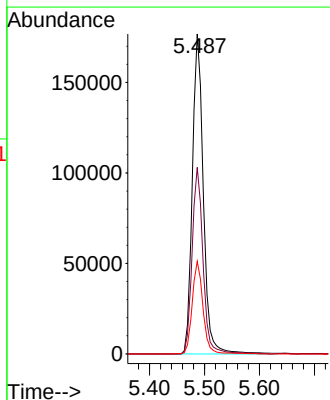
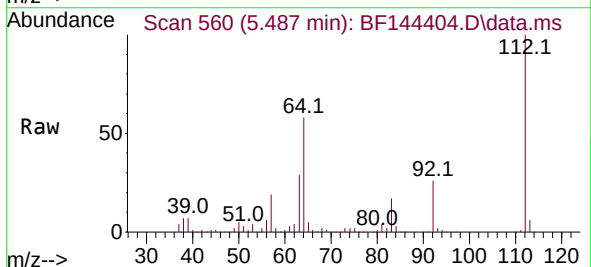
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#5
2-Fluorophenol
Concen: 80.931 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

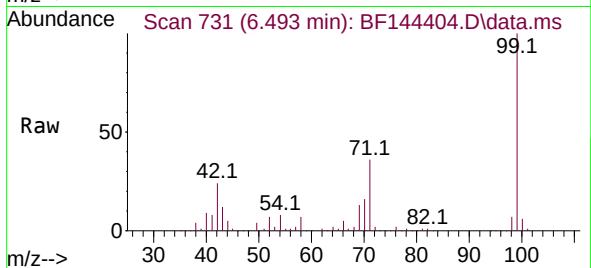
Tgt Ion:112 Resp: 246954
Ion Ratio Lower Upper
112 100
64 58.3 47.2 70.8
63 28.9 24.4 36.6





#7
Phenol-d6
Concen: 83.441 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

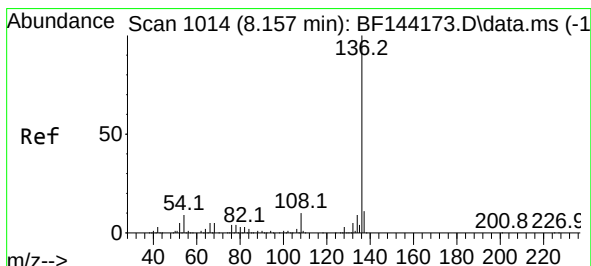
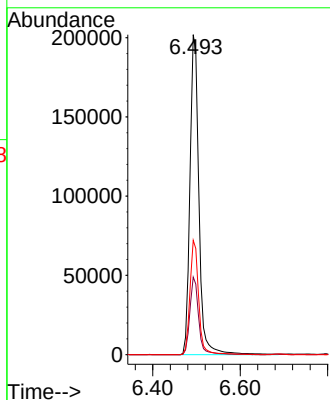
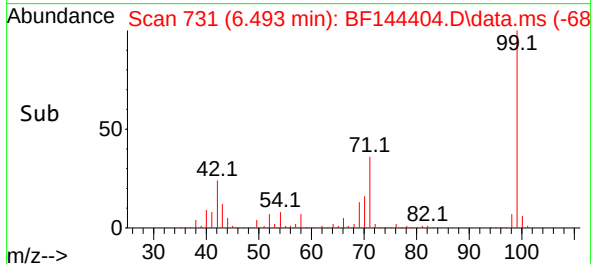
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BNA_F
ClientSampleId :
SB-1125-20



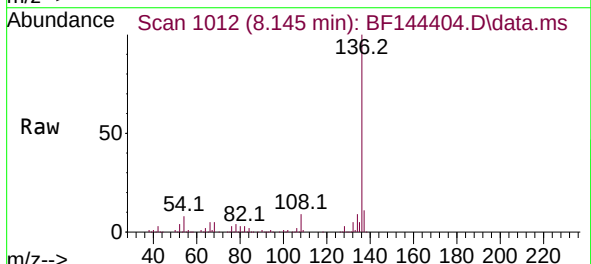
Tgt Ion: 99 Resp: 288498
Ion Ratio Lower Upper
99 100
42 24.2 20.9 31.3
71 35.7 31.4 47.2

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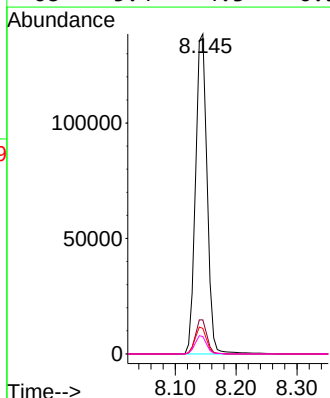
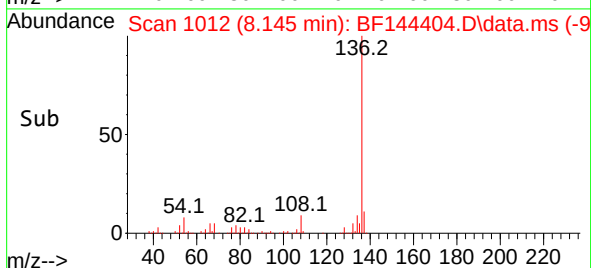
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

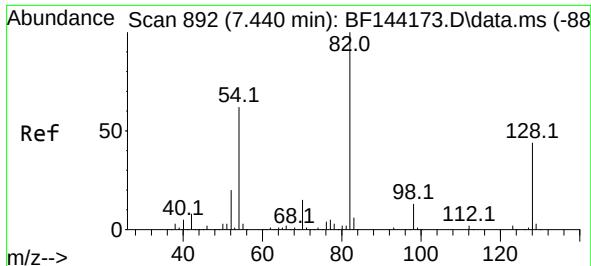


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50



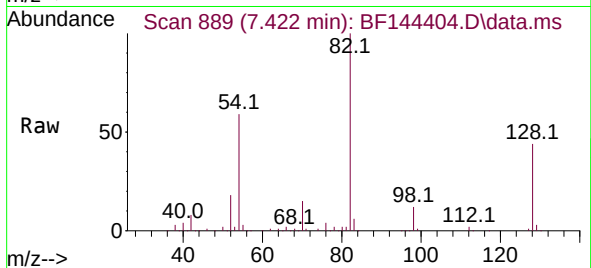
Tgt Ion:136 Resp: 182737
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.0 7.0 10.6
68 5.4 4.3 6.5





#23
Nitrobenzene-d5
Concen: 55.035 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

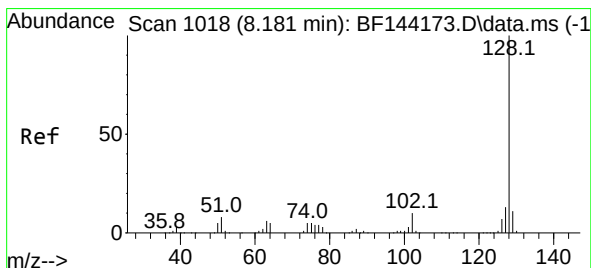
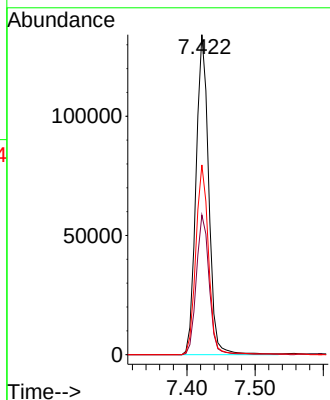
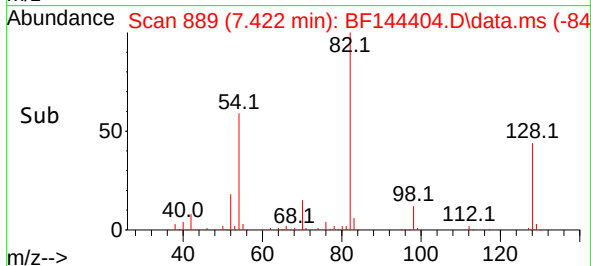
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



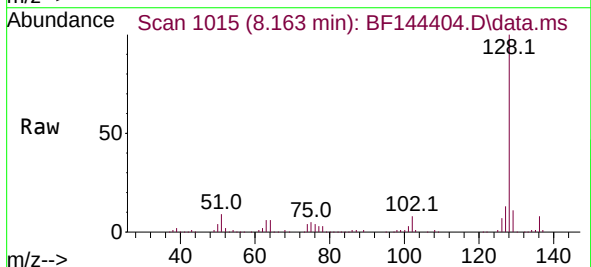
Tgt Ion: 82 Resp: 17413
Ion Ratio Lower Upper
82 100
128 43.6 34.7 52.1
54 59.3 49.5 74.3

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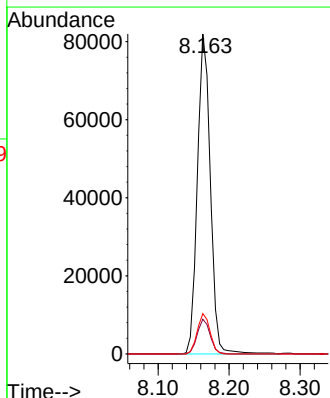
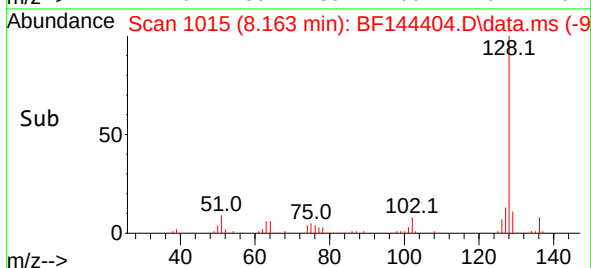
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

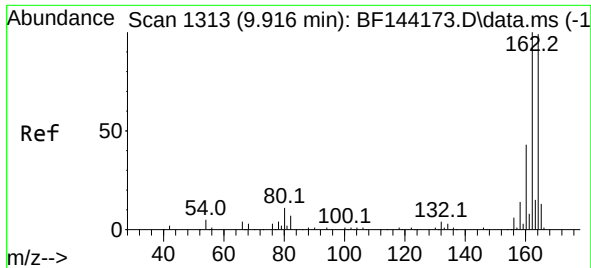


#31
Naphthalene
Concen: 11.919 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50



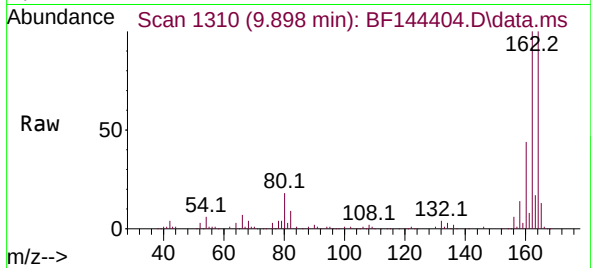
Tgt Ion:128 Resp: 103608
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.6 10.3 15.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

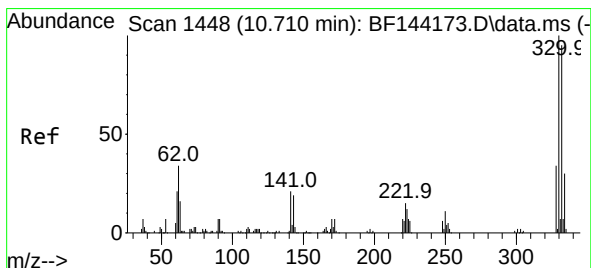
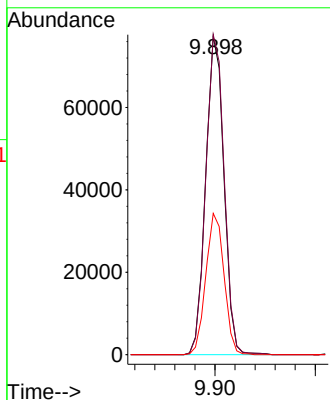
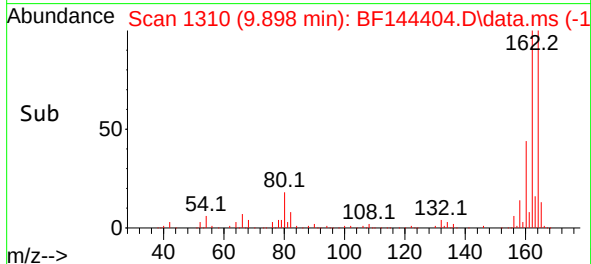
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



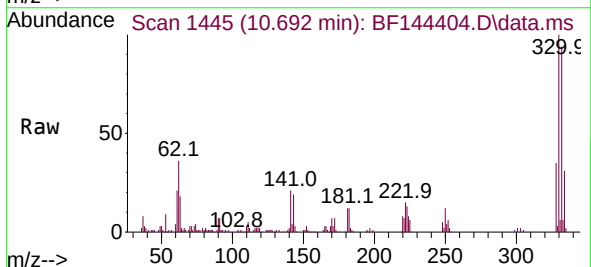
Tgt Ion:164 Resp: 97535
Ion Ratio Lower Upper
164 100
162 100.5 81.1 121.7
160 44.4 34.5 51.7

Manual Integrations
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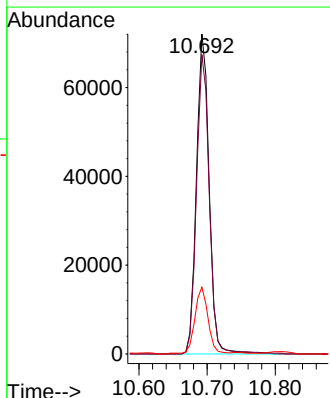
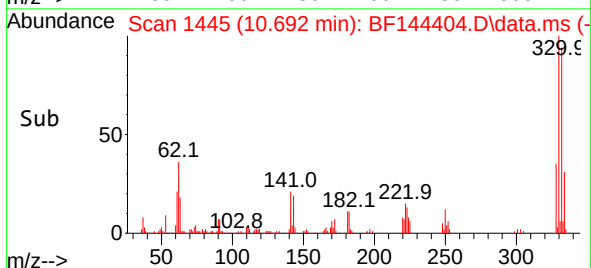
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

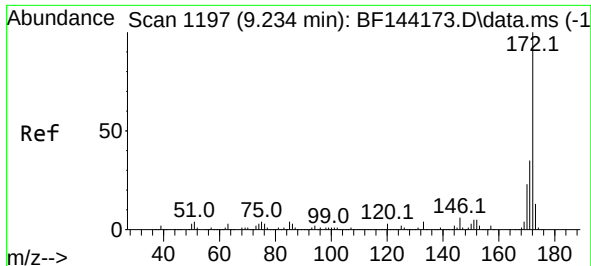


#42
2,4,6-Tribromophenol
Concen: 76.291 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50



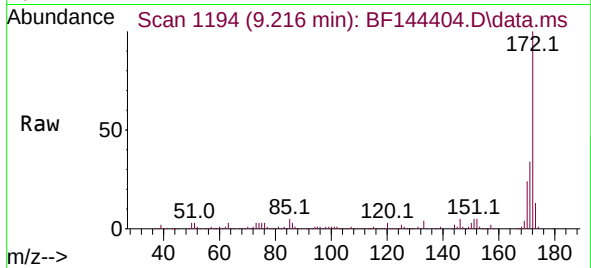
Tgt Ion:330 Resp: 93376
Ion Ratio Lower Upper
330 100
332 94.3 76.7 115.1
141 21.7 17.8 26.8





#45
2-Fluorobiphenyl
Concen: 58.400 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

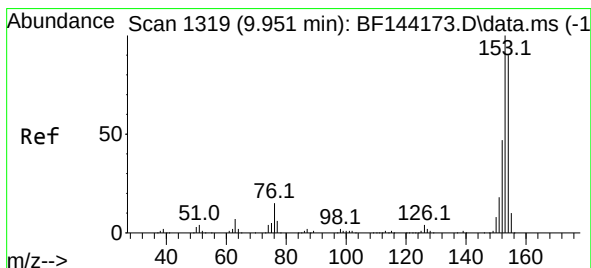
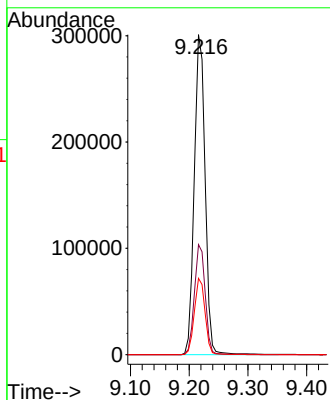
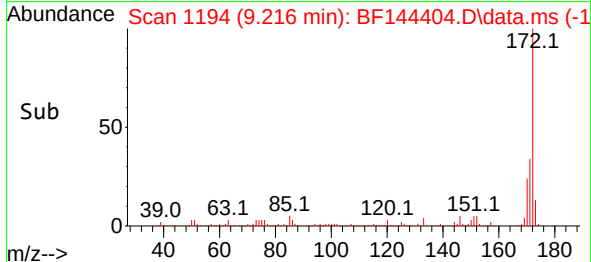
Instrument : BNA_F
ClientSampleId : SB-1125-20



Tgt Ion:172 Resp: 385664
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.8 18.6 28.0

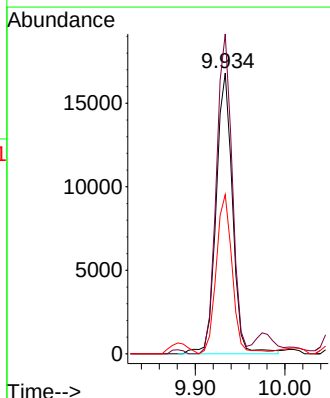
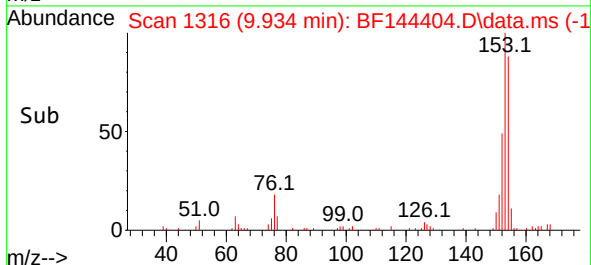
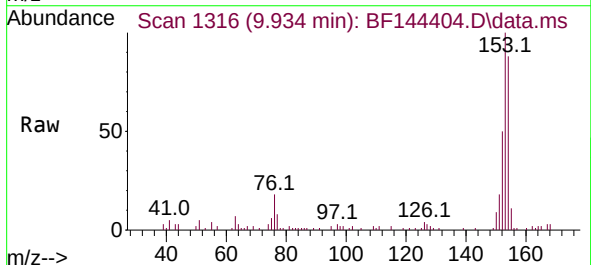
Manual Integrations
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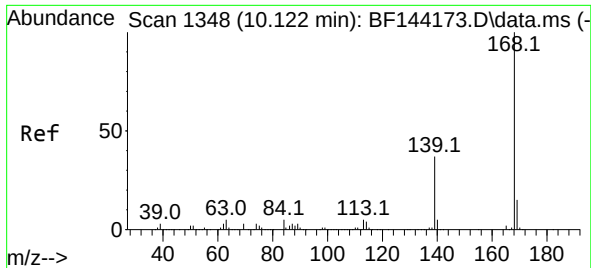
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#52
Acenaphthene
Concen: 4.069 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

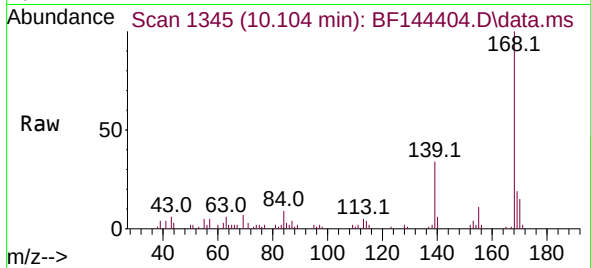
Tgt Ion:154 Resp: 21533
Ion Ratio Lower Upper
154 100
153 113.9 89.0 133.4
152 56.7 42.2 63.4





#55
Dibenzenofuran
Concen: 2.928 ng
RT: 10.104 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

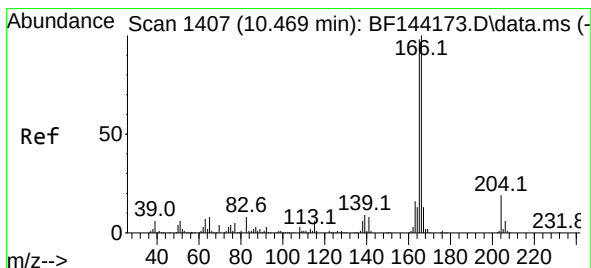
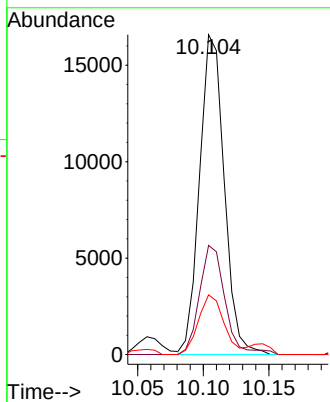
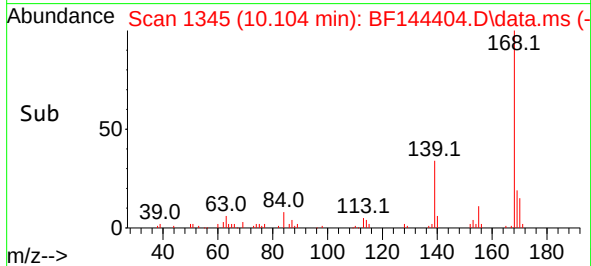
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



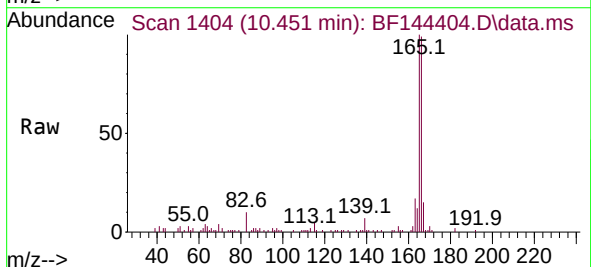
Tgt Ion:168 Resp: 21704
Ion Ratio Lower Upper
168 100
139 34.1 30.2 45.2
169 18.7 12.2 18.4

Manual Integrations
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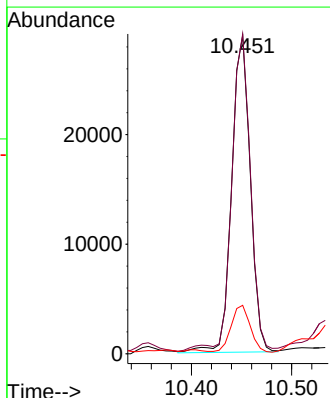
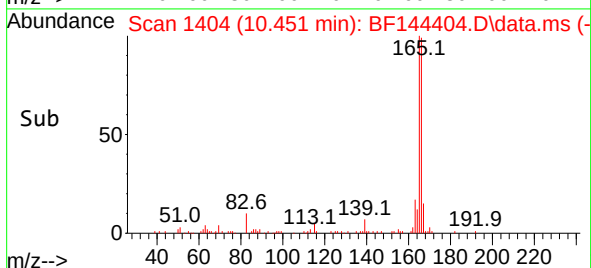
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

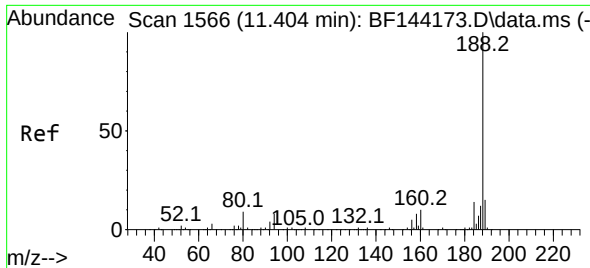


#58
Fluorene
Concen: 6.606 ng
RT: 10.451 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50



Tgt Ion:166 Resp: 37230
Ion Ratio Lower Upper
166 100
165 100.6 78.6 118.0
167 15.2 10.4 15.6





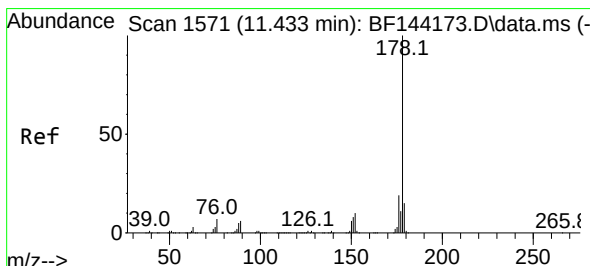
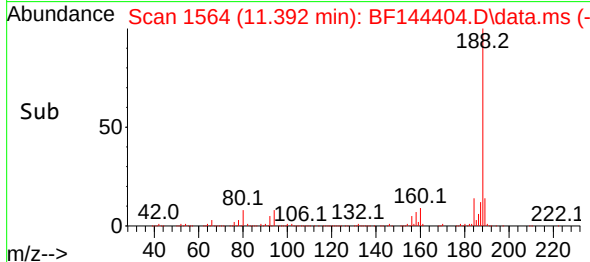
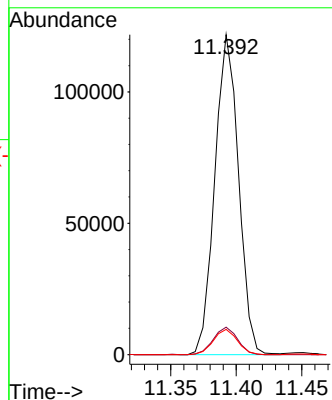
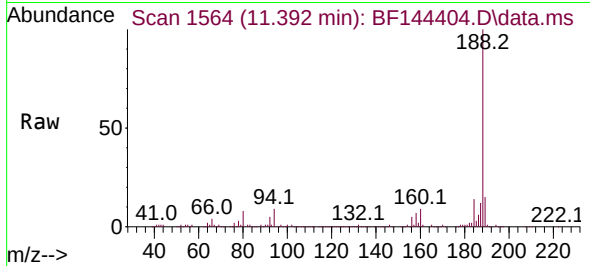
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SB-1125-20

Tgt Ion:188 Resp: 153495
Ion Ratio Lower Upper
188 100
94 8.6 6.2 9.2
80 7.9 6.9 10.3

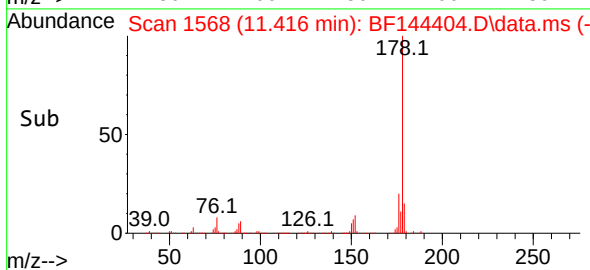
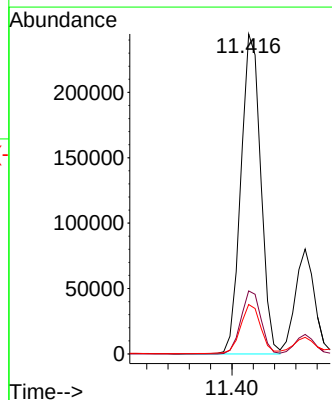
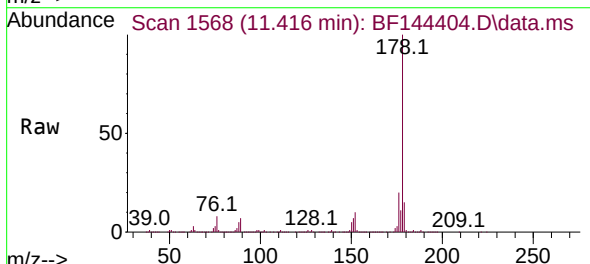
Manual Integrations
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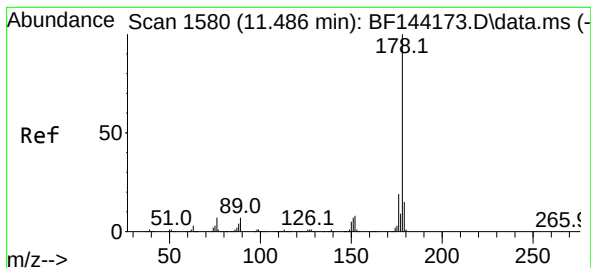
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#71
Phenanthrene
Concen: 41.231 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:178 Resp: 315099
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.4 12.2 18.4





#72

Anthracene

Concen: 12.874 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144404.D

Acq: 02 Dec 2025 15:50

Instrument :

BNA_F

ClientSampleId :

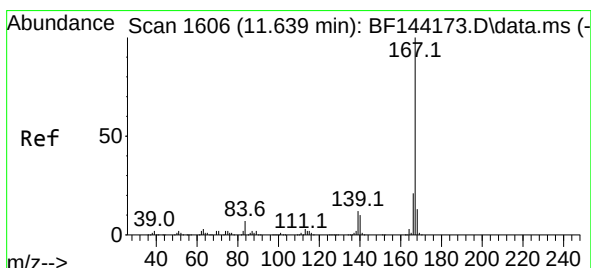
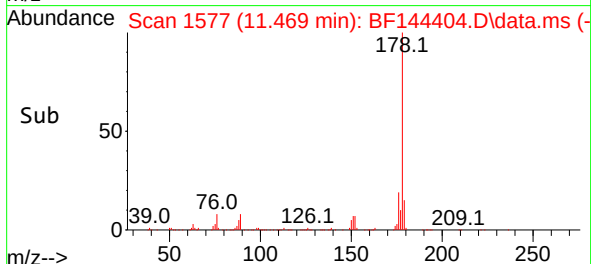
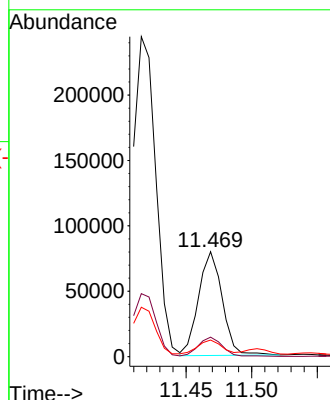
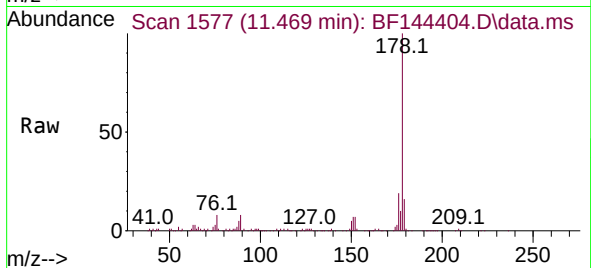
SB-1125-20

Tgt Ion:178	Resp: 100044
Ion Ratio	Lower Upper
178	100
176	18.6 15.3 22.9
179	15.8 12.0 18.0

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Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#73

Carbazole

Concen: 3.366 ng

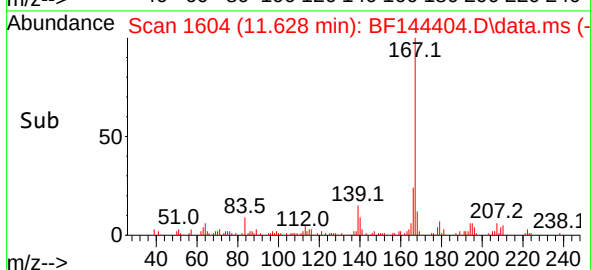
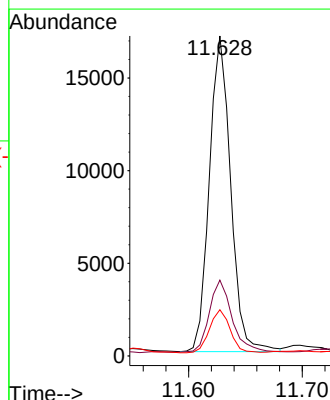
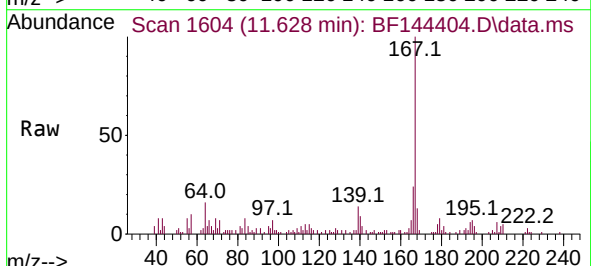
RT: 11.628 min Scan# 1604

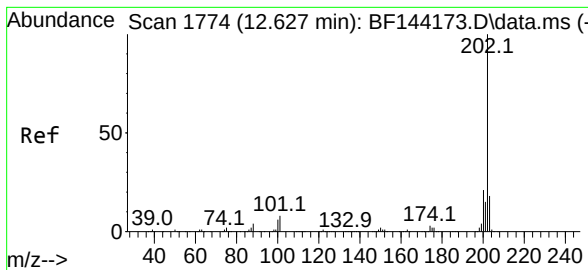
Delta R.T. -0.012 min

Lab File: BF144404.D

Acq: 02 Dec 2025 15:50

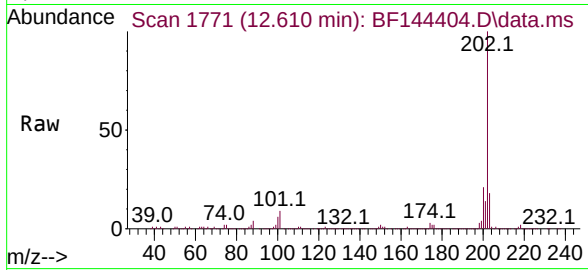
Tgt Ion:167	Resp: 22244
Ion Ratio	Lower Upper
167	100
166	23.7 17.2 25.8
139	14.4 9.9 14.9





#75
Fluoranthene
Concen: 38.803 ng
RT: 12.610 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

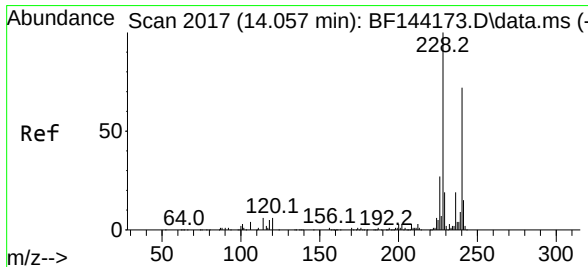
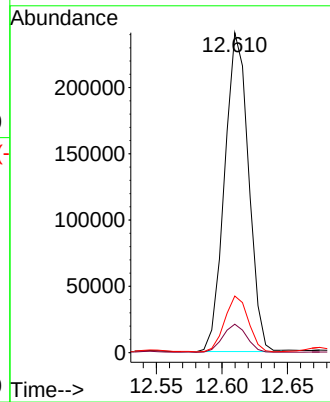
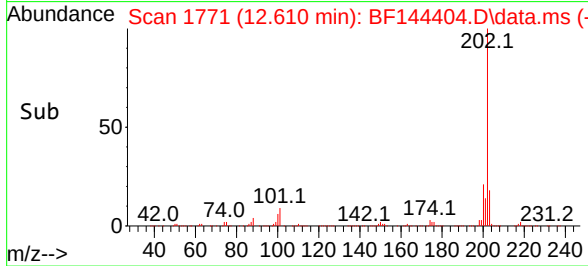
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



Tgt Ion:202 Resp: 306330
Ion Ratio Lower Upper
202 100
101 8.9 0.0 27.9
203 17.7 0.0 37.5

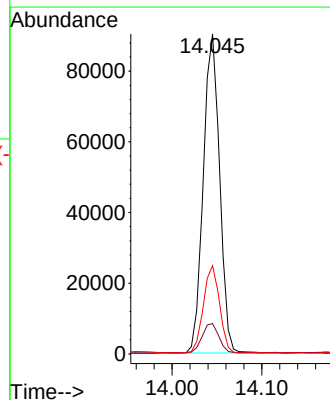
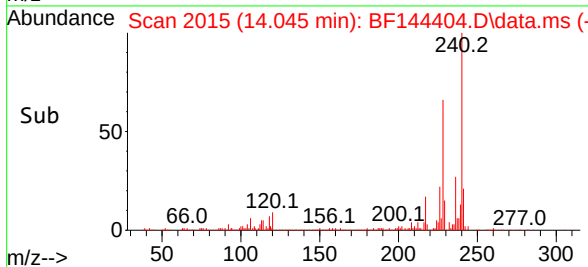
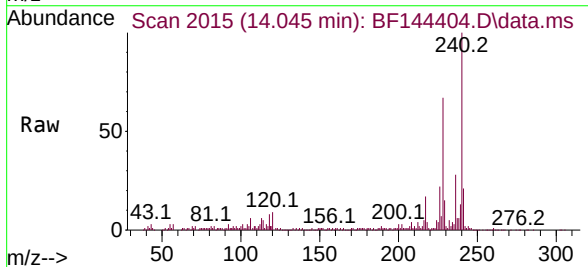
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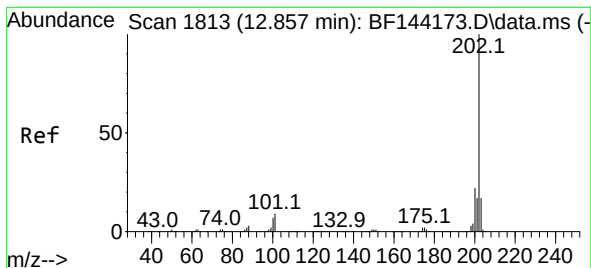
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Tgt Ion:240 Resp: 114317
Ion Ratio Lower Upper
240 100
120 9.5 6.6 10.0
236 27.6 21.4 32.2





#78

Pyrene

Concen: 31.018 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144404.D

Acq: 02 Dec 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SB-1125-20

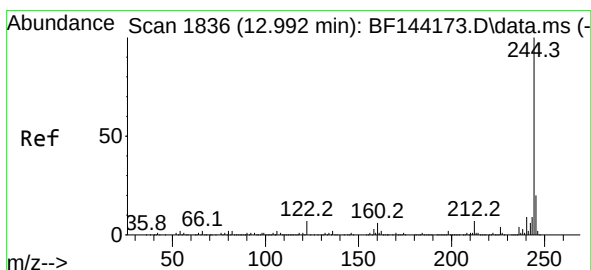
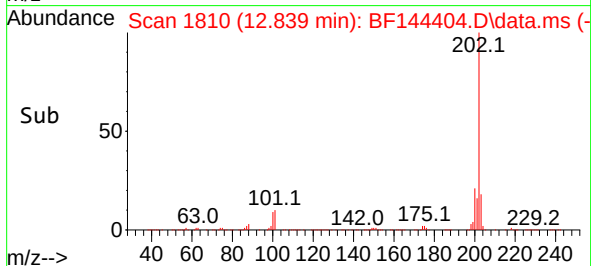
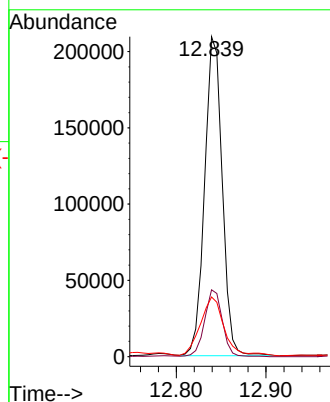
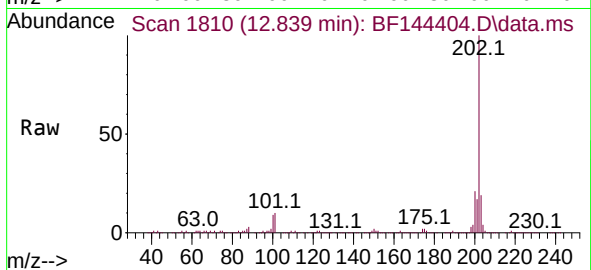
Tgt Ion:202 Resp: 28590

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	18.6	13.7	20.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#79

Terphenyl-d14

Concen: 48.384 ng

RT: 12.980 min Scan# 1834

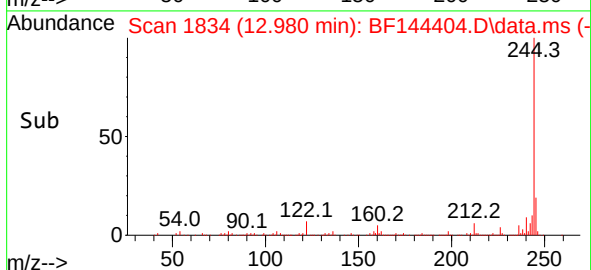
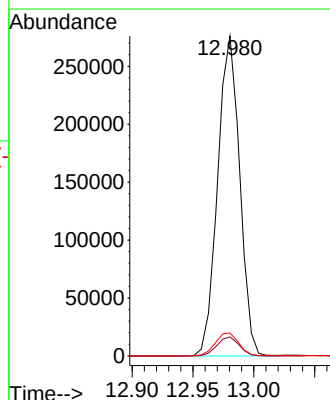
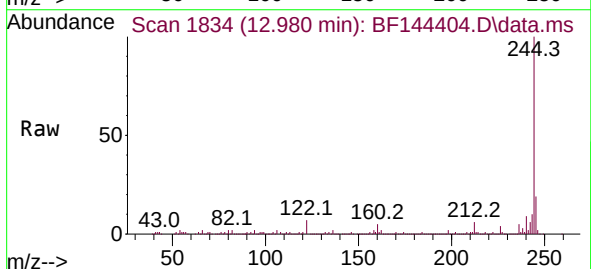
Delta R.T. -0.012 min

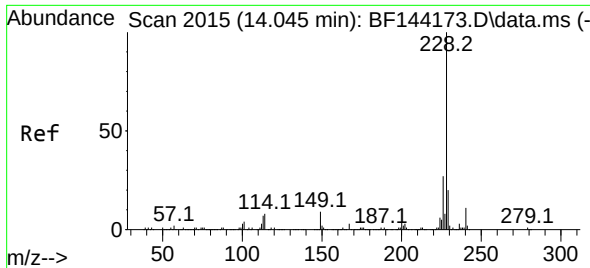
Lab File: BF144404.D

Acq: 02 Dec 2025 15:50

Tgt Ion:244 Resp: 348216

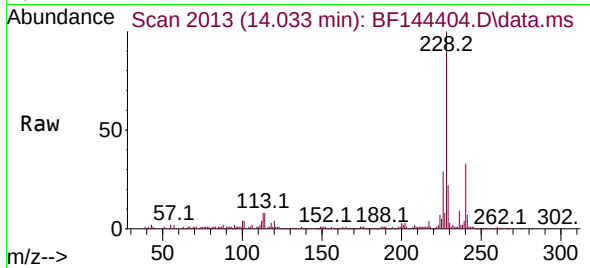
Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.3	7.9
122	7.2	5.6	8.4





#81
Benzo(a)anthracene
Concen: 21.921 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

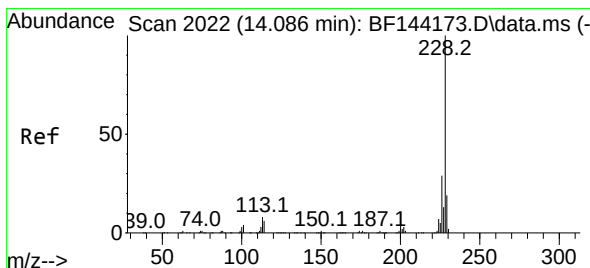
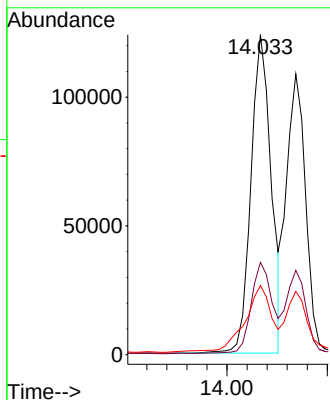
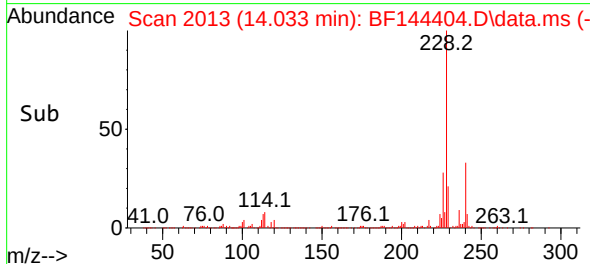
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



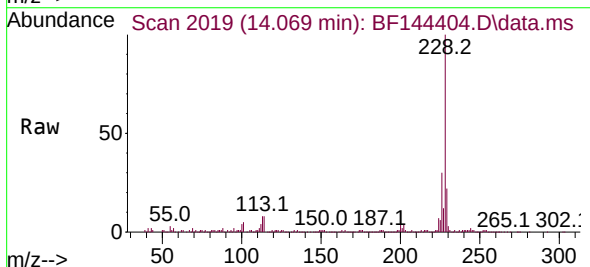
Tgt Ion:228 Resp: 173681
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 21.6 15.8 23.6

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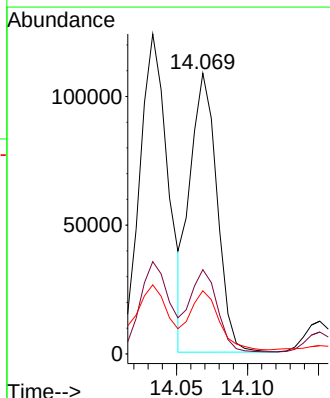
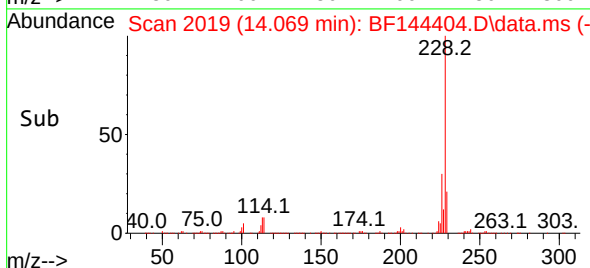
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

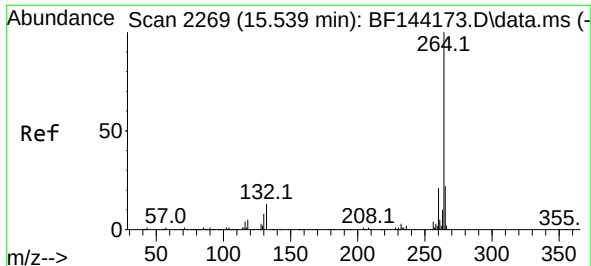


#83
Chrysene
Concen: 19.592 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50



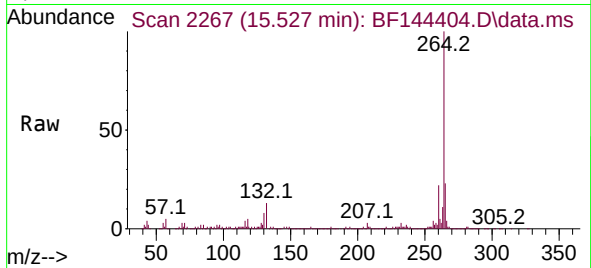
Tgt Ion:228 Resp: 143298
Ion Ratio Lower Upper
228 100
226 30.0 22.9 34.3
229 22.5 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

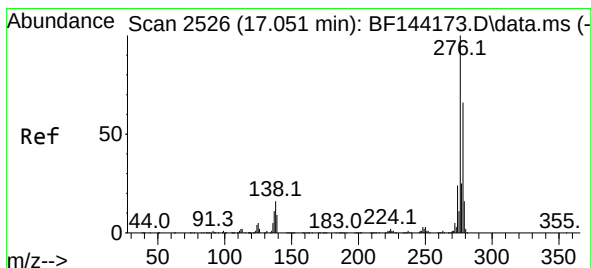
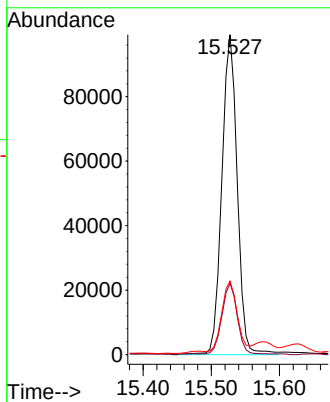
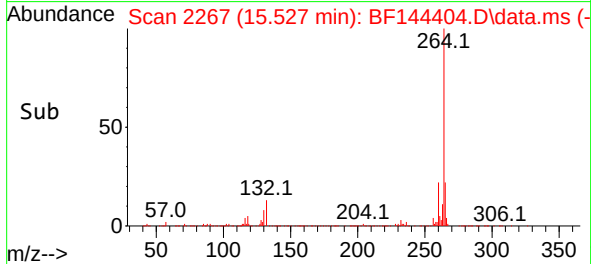
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



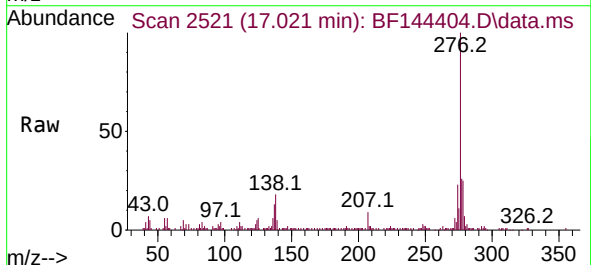
Tgt Ion:264 Resp: 155142
Ion Ratio Lower Upper
264 100
260 22.3 17.1 25.7
265 23.0 17.4 26.0

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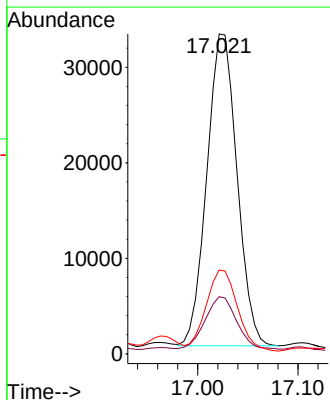
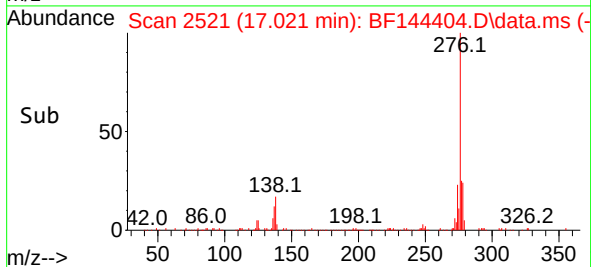
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

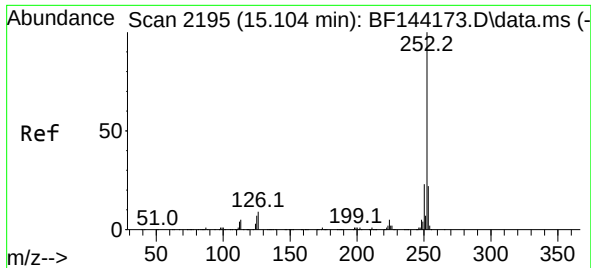


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.133 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50



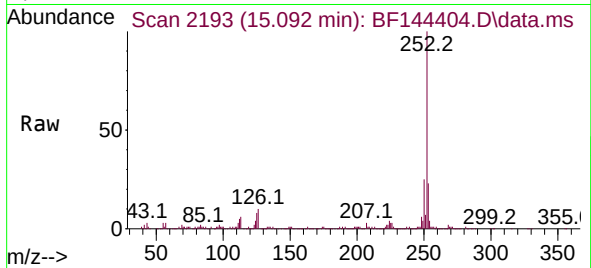
Tgt Ion:276 Resp: 68307
Ion Ratio Lower Upper
276 100
138 18.3 13.9 20.9
277 27.1 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 21.480 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

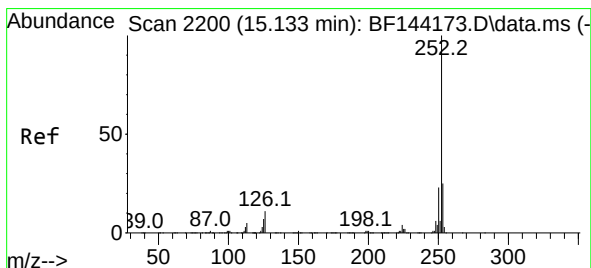
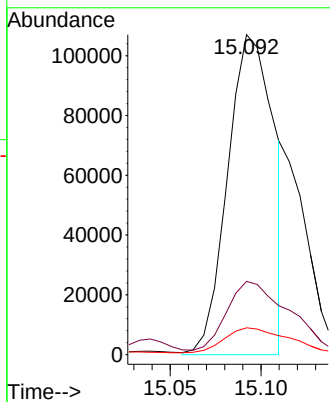
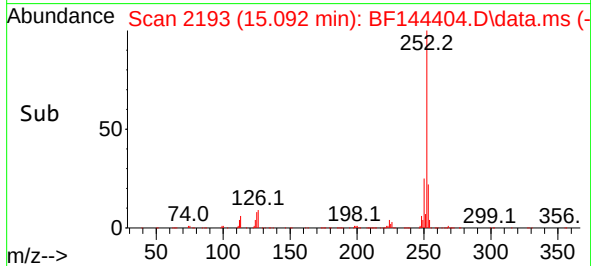
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



Tgt Ion:252 Resp: 189459
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 8.4 5.3 7.9

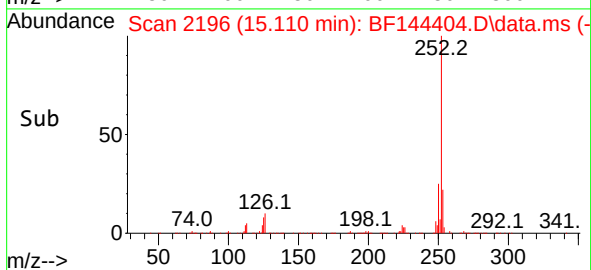
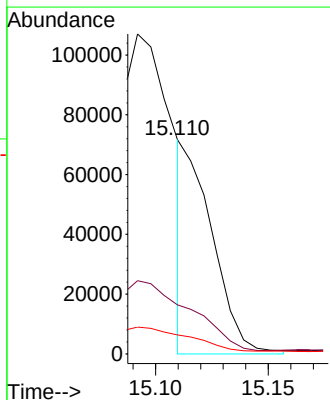
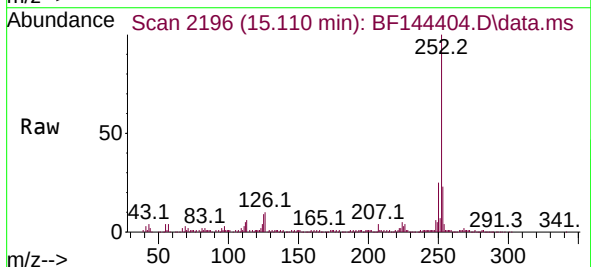
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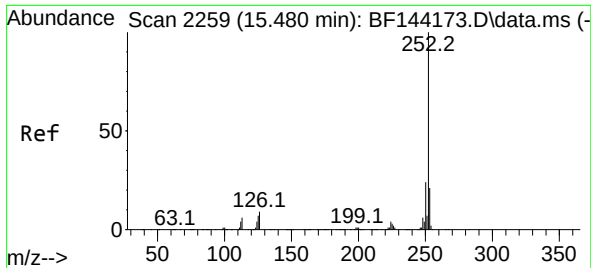
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#89
Benzo(k)fluoranthene
Concen: 7.456 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

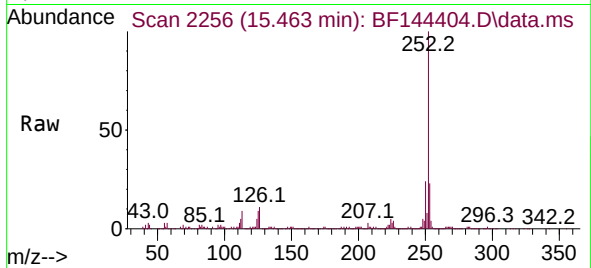
Tgt Ion:252 Resp: 61550
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 8.8 5.4 8.2





#90
Benzo(a)pyrene
Concen: 18.279 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

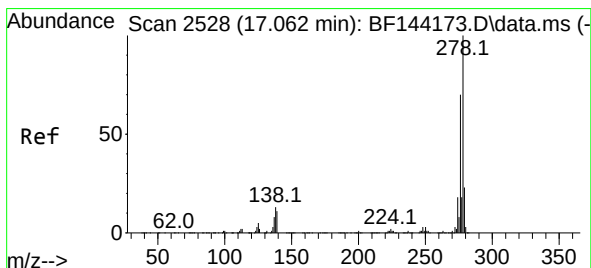
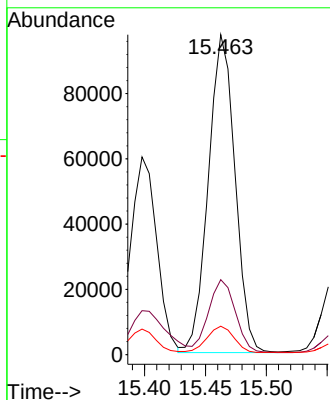
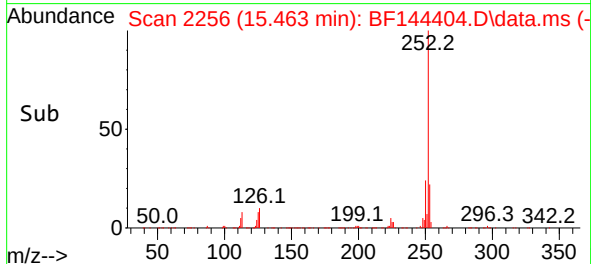
Instrument :
BNA_F
ClientSampleId :
SB-1125-20



Tgt Ion:252 Resp: 148738
Ion Ratio Lower Upper
252 100
253 23.4 16.7 25.1
125 8.9 5.7 8.5

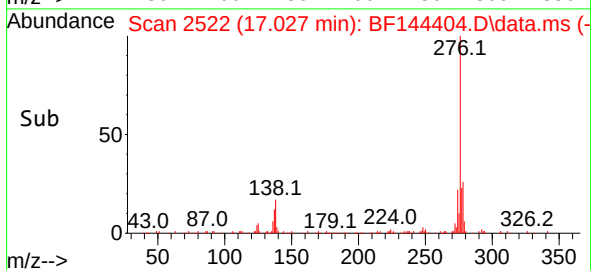
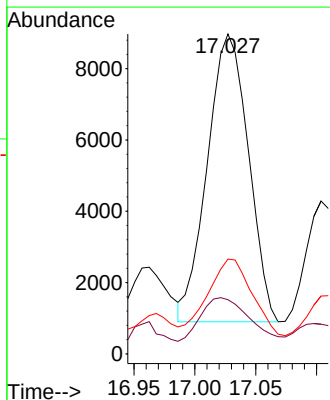
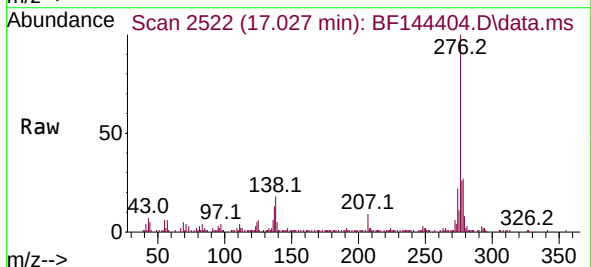
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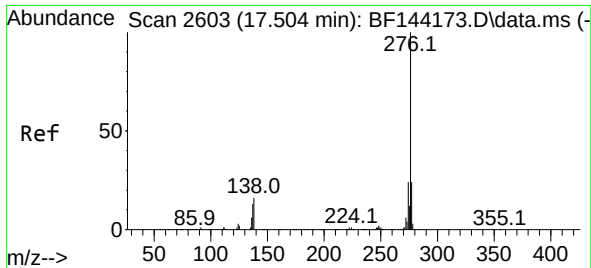
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#91
Dibenzo(a,h)anthracene
Concen: 2.116 ng
RT: 17.027 min Scan# 2522
Delta R.T. -0.024 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

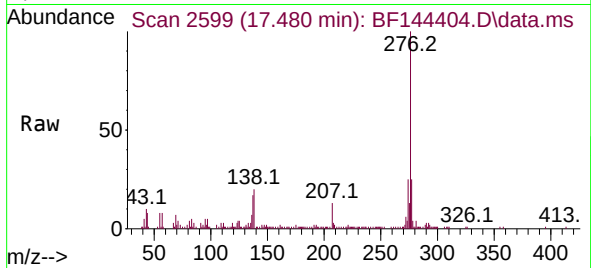
Tgt Ion:278 Resp: 18927
Ion Ratio Lower Upper
278 100
139 16.9 9.1 13.7#
279 29.6 18.2 27.4#





#92
Benzo(g,h,i)perylene
Concen: 6.957 ng m
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144404.D
Acq: 02 Dec 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SB-1125-20



Tgt Ion:276 Resp: 61450
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.4
138 19.7 12.9 19.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

