

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144410.D
 Acq On : 02 Dec 2025 18:49
 Operator : RC/JU
 Sample : Q3750-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FENCE WC-1

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 23:48:16 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	41910	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	146628	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	73507	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	122972	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	112947	20.000	ng	0.00
86) Perylene-d12	15.539	264	111648	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	164706	61.499	ng	0.00
7) Phenol-d6	6.492	99	181749	59.893	ng	0.00
23) Nitrobenzene-d5	7.422	82	102528	40.385	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	50645	54.904	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	218862	43.975	ng	-0.01
79) Terphenyl-d14	12.980	244	253113	35.596	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	26210	3.758	ng	99
37) 2-Methylnaphthalene	8.857	142	11282	2.419	ng	99
38) 1-Methylnaphthalene	8.957	142	15165	3.370	ng	96
49) Acenaphthylene	9.763	152	37554	6.296	ng	98
52) Acenaphthene	9.933	154	9527	2.389	ng	97
58) Fluorene	10.451	166	19882	4.681	ng	# 91
71) Phenanthrene	11.416	178	405617	66.249	ng	99
72) Anthracene	11.469	178	111377	17.890	ng	99
73) Carbazole	11.627	167	28593	5.401	ng	97
75) Fluoranthene	12.621	202	977798	154.601	ng	100
78) Pyrene	12.851	202	1051103	115.420	ng	98
81) Benzo(a)anthracene	14.045	228	788973	100.788	ng	98
83) Chrysene	14.080	228	611516	84.623	ng	94
87) Indeno(1,2,3-cd)pyrene	17.039	276	226474	28.258	ng	98
88) Benzo(b)fluoranthene	15.110	252	663223m	104.487	ng	
89) Benzo(k)fluoranthene	15.121	252	241450m	40.640	ng	
90) Benzo(a)pyrene	15.480	252	486637	83.104	ng	97
91) Dibenzo(a,h)anthracene	17.039	278	68393	10.626	ng	# 88
92) Benzo(g,h,i)perylene	17.498	276	220494	34.690	ng	97

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

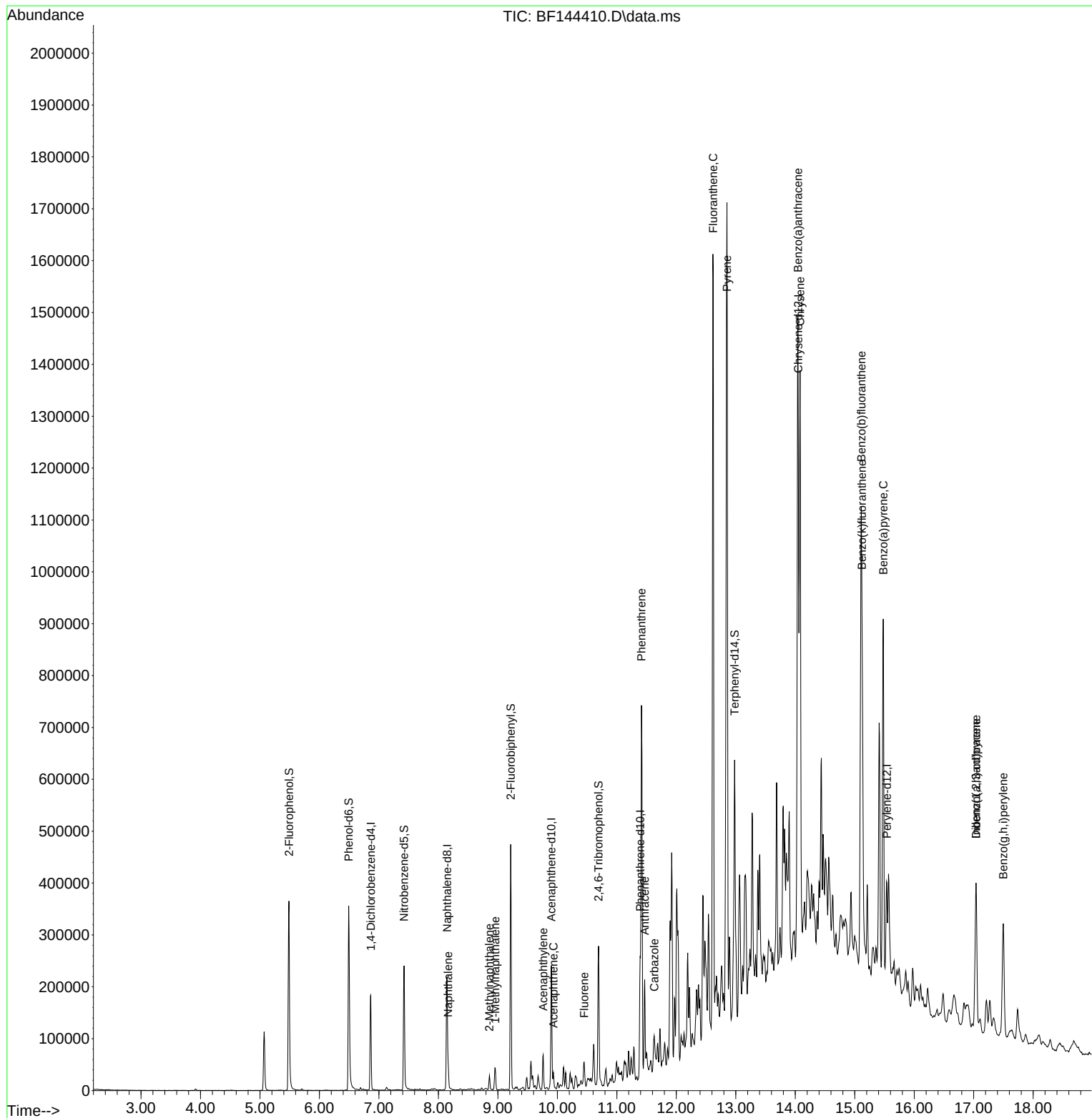
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
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Acq On : 02 Dec 2025 18:49
Operator : RC/JU
Sample : Q3750-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

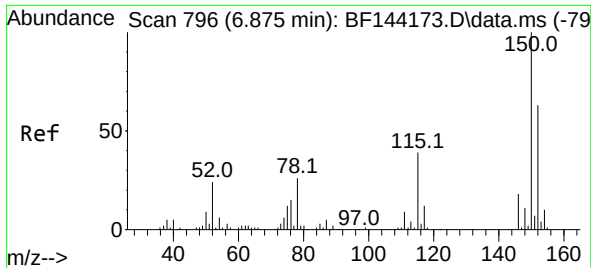
Instrument :
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Quant Time: Dec 02 23:48:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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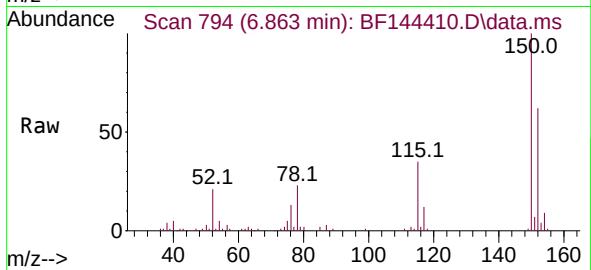
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

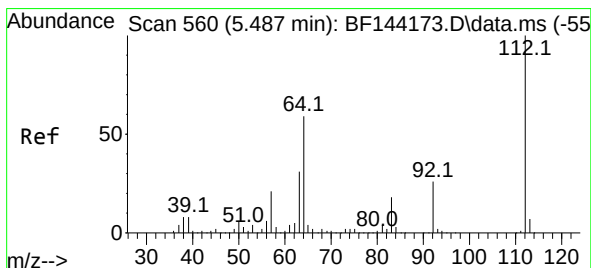
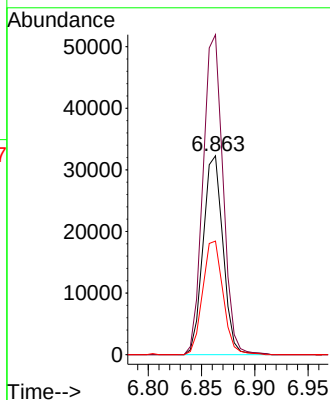
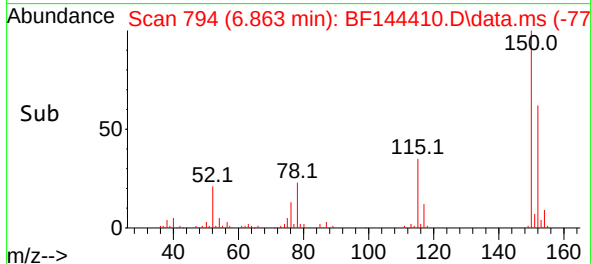
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1



Tgt Ion:152 Resp: 41910
Ion Ratio Lower Upper
152 100
150 161.0 127.4 191.0
115 57.1 49.5 74.3

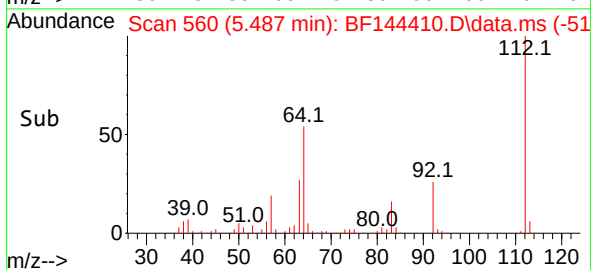
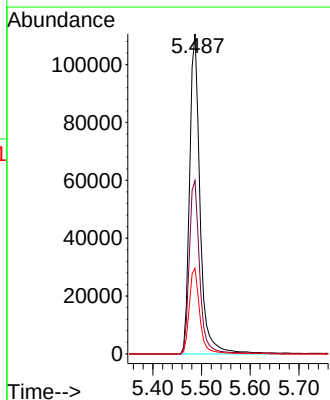
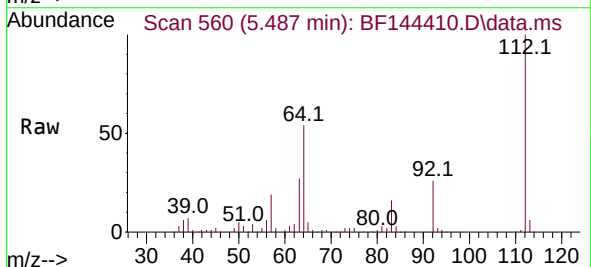
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#5
2-Fluorophenol
Concen: 61.499 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

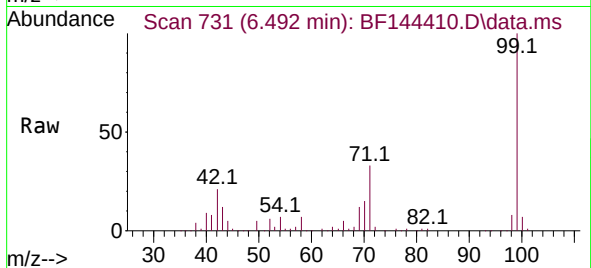
Tgt Ion:112 Resp: 164706
Ion Ratio Lower Upper
112 100
64 54.2 47.2 70.8
63 26.7 24.4 36.6





#7
Phenol-d6
Concen: 59.893 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

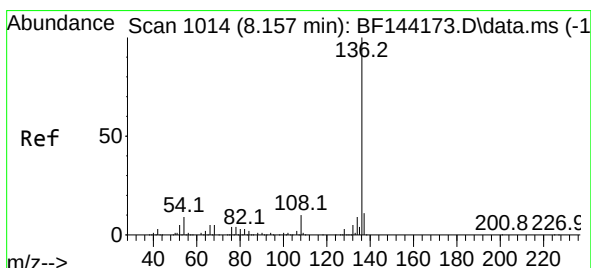
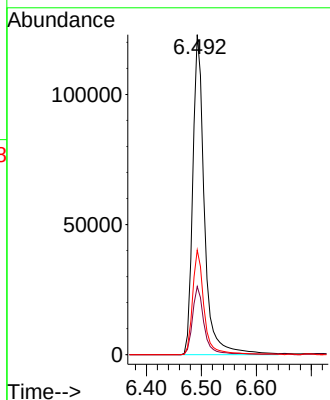
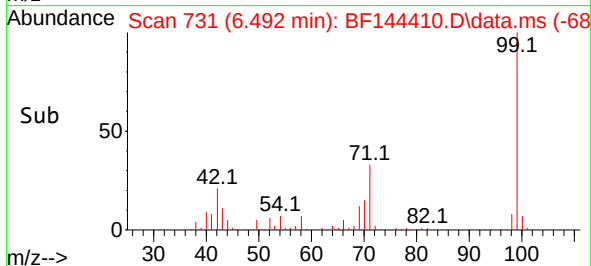
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1



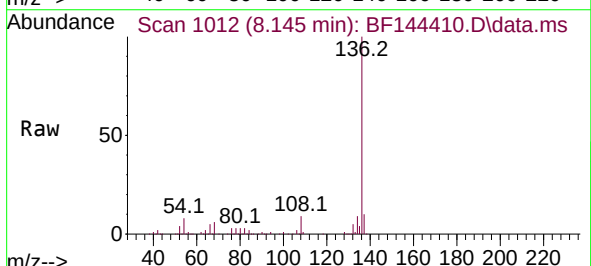
Tgt Ion: 99 Resp: 181749
Ion Ratio Lower Upper
99 100
42 21.3 20.9 31.3
71 32.7 31.4 47.2

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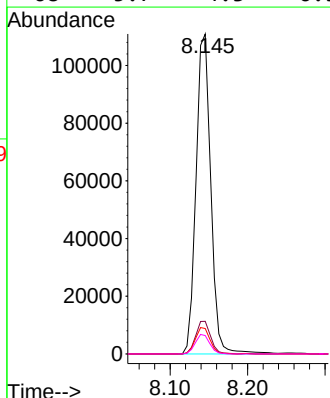
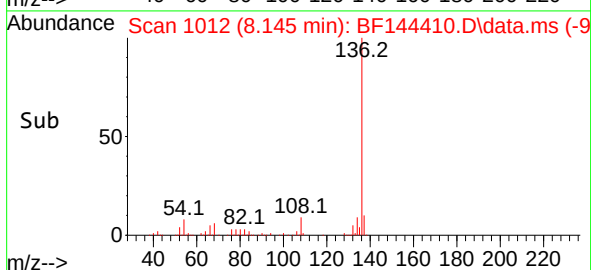
Reviewed By :Jagrut Upadhyay 12/03/2025
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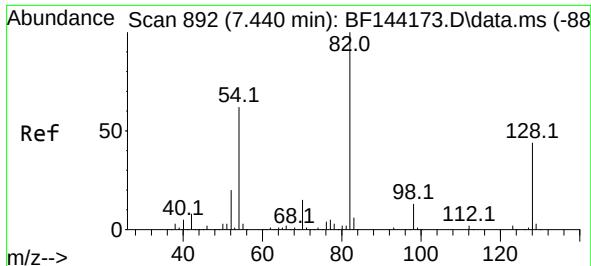


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49



Tgt Ion:136 Resp: 146628
Ion Ratio Lower Upper
136 100
137 10.2 8.6 13.0
54 7.9 7.0 10.6
68 5.7 4.3 6.5





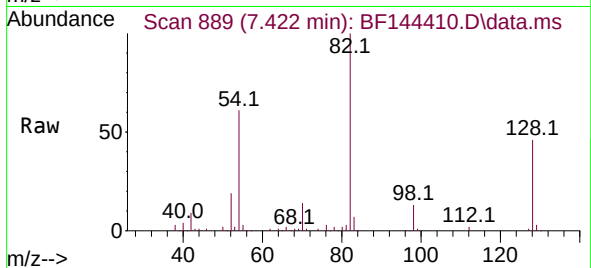
#23
Nitrobenzene-d5
Concen: 40.385 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1

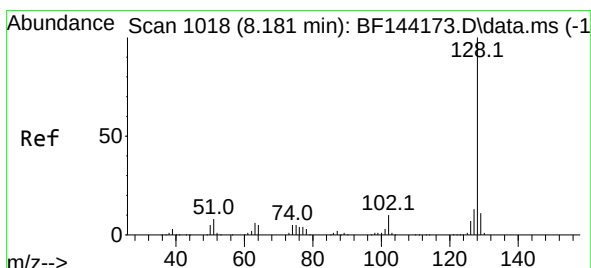
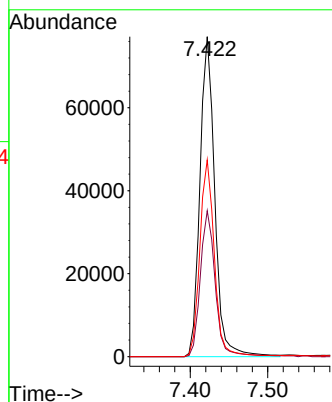
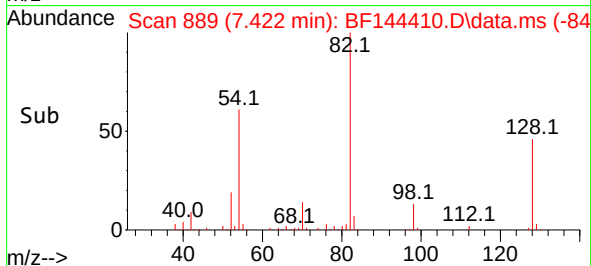


Tgt Ion: 82 Resp: 102528
Ion Ratio Lower Upper
82 100
128 45.6 34.7 52.1
54 61.5 49.5 74.3

Manual Integrations

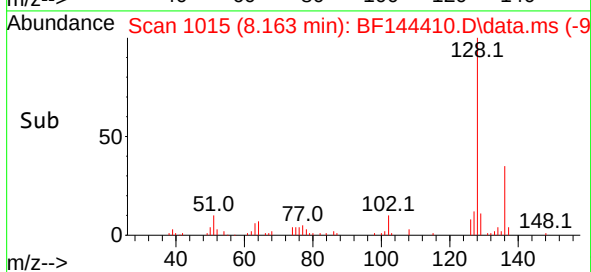
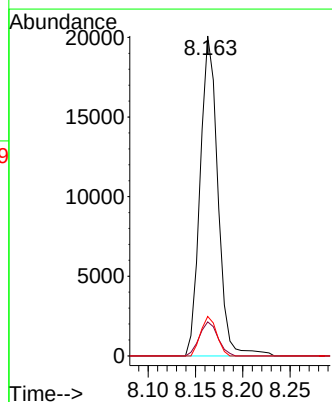
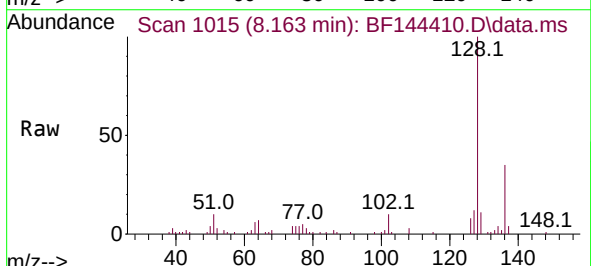
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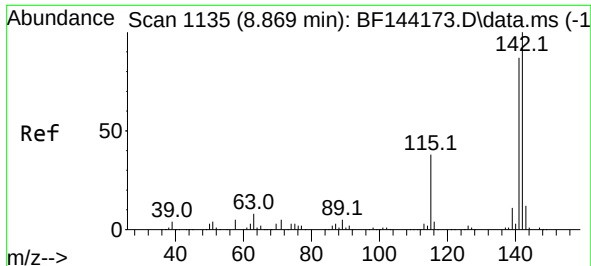
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Supervised By :Sohil Jodhani 12/03/2025



#31
Naphthalene
Concen: 3.758 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Tgt Ion:128 Resp: 26210
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.3 10.3 15.5





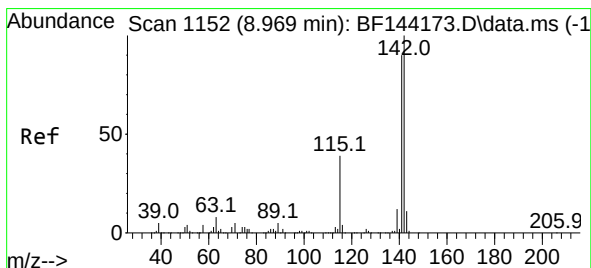
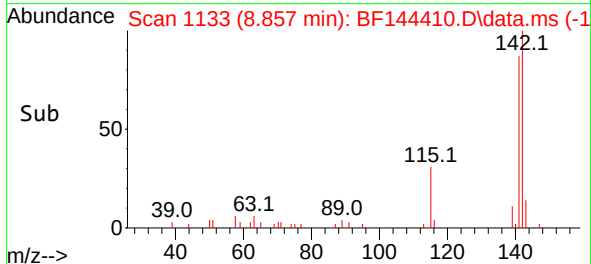
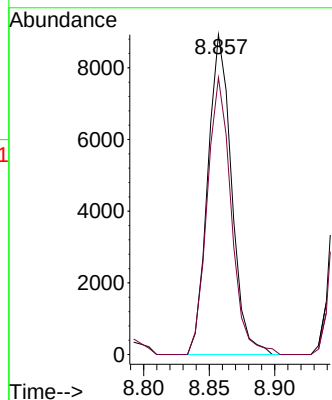
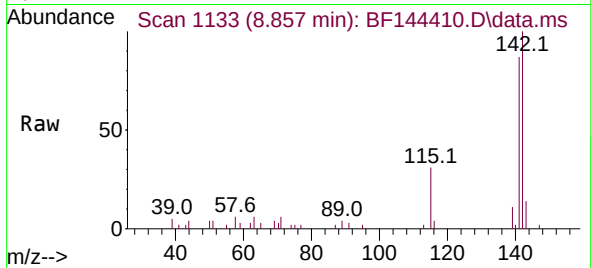
#37
2-Methylnaphthalene
Concen: 2.419 ng
RT: 8.857 min Scan# 1128
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :
BNA_F
ClientSampleId :
FENCE WC-1

Tgt Ion:142 Resp: 1128
Ion Ratio Lower Upper
142 100
141 86.6 69.9 104.9

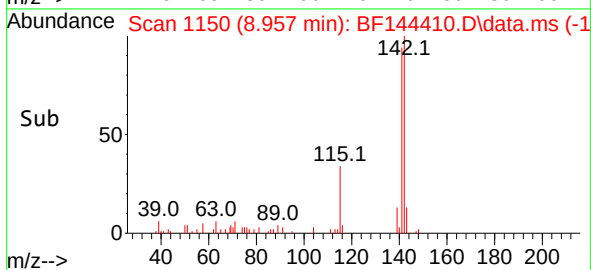
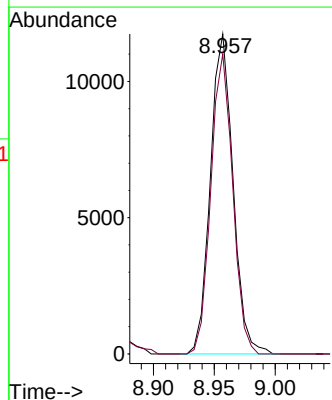
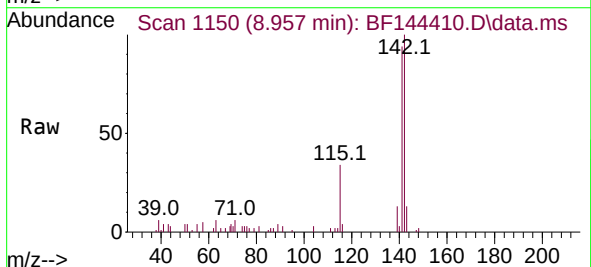
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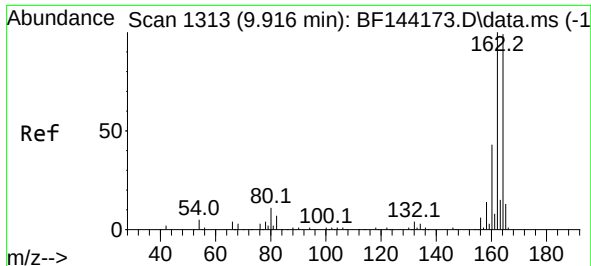
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#38
1-Methylnaphthalene
Concen: 3.370 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Tgt Ion:142 Resp: 15165
Ion Ratio Lower Upper
142 100
141 93.7 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

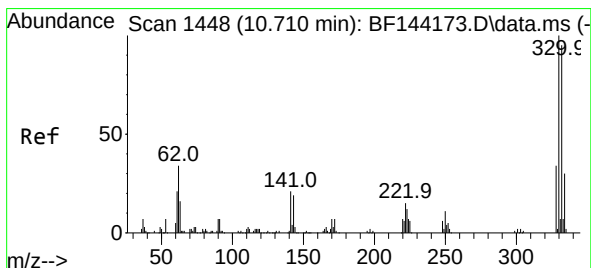
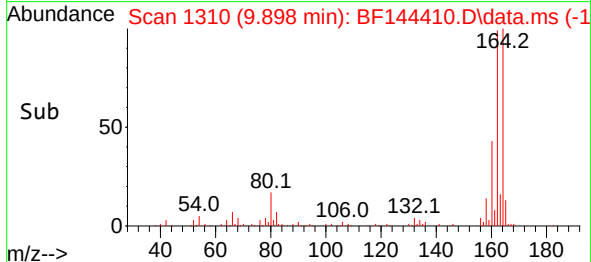
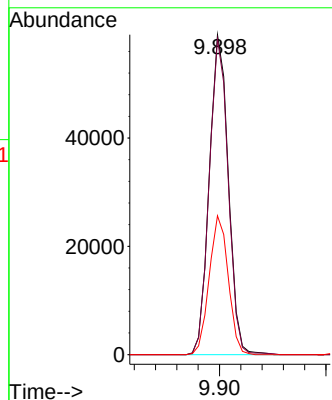
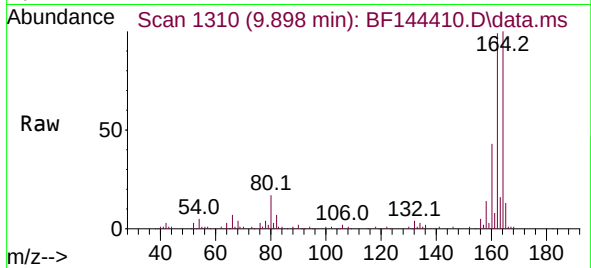
ClientSampleId :

FENCE WC-1

Tgt Ion:164 Resp: 73507
Ion Ratio Lower Upper
164 100
162 98.7 81.1 121.7
160 43.4 34.5 51.7

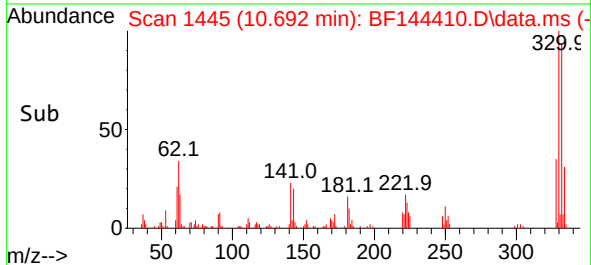
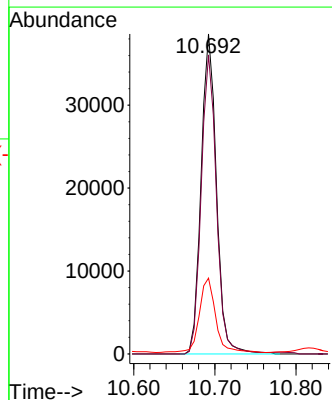
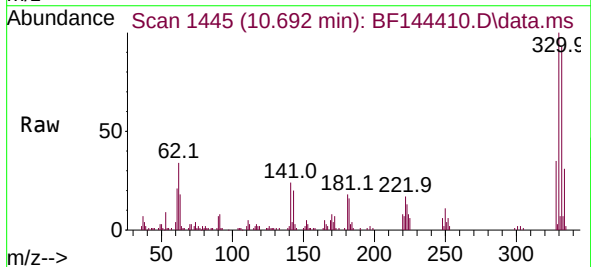
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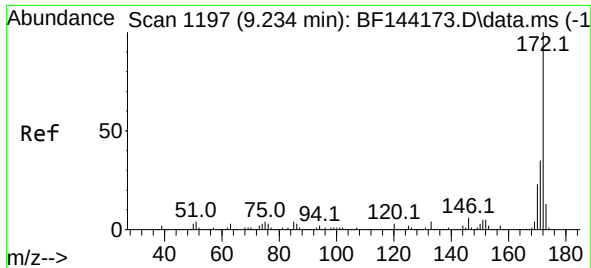
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#42
2,4,6-Tribromophenol
Concen: 54.904 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Tgt Ion:330 Resp: 50645
Ion Ratio Lower Upper
330 100
332 92.8 76.7 115.1
141 25.0 17.8 26.8





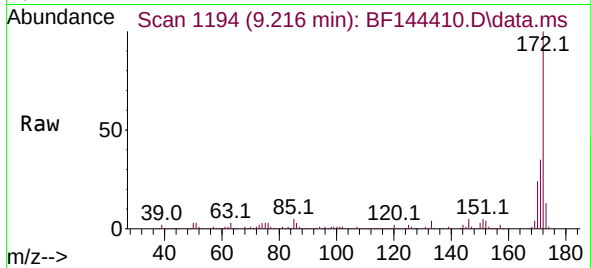
#45
2-Fluorobiphenyl
Concen: 43.975 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1

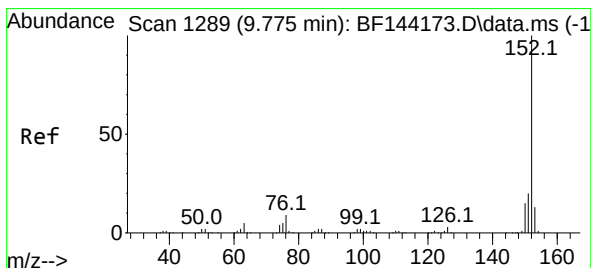
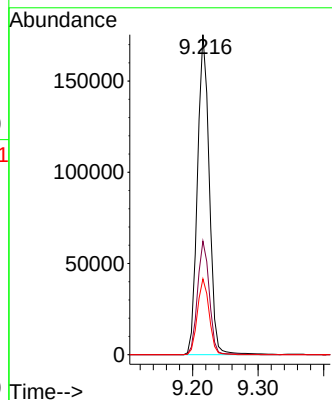
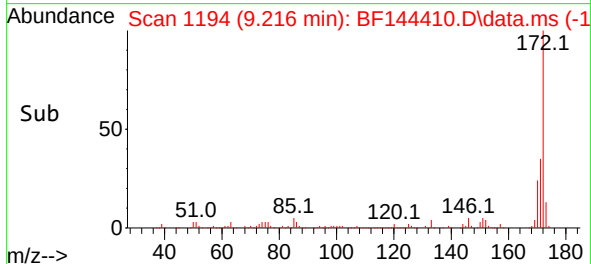


Tgt Ion:172 Resp: 218862
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.7 18.6 28.0

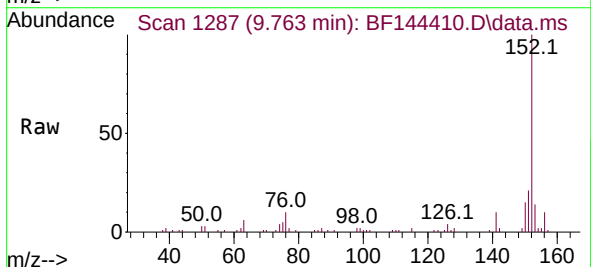
Manual Integrations

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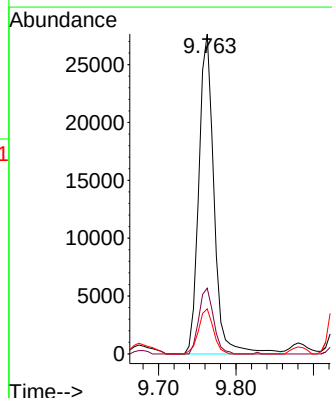
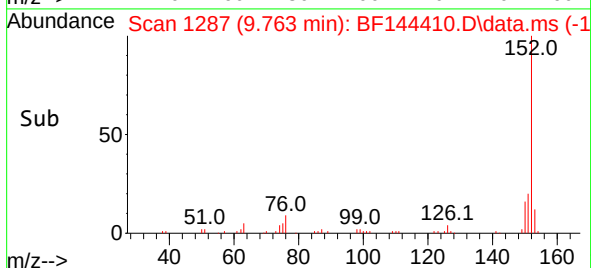
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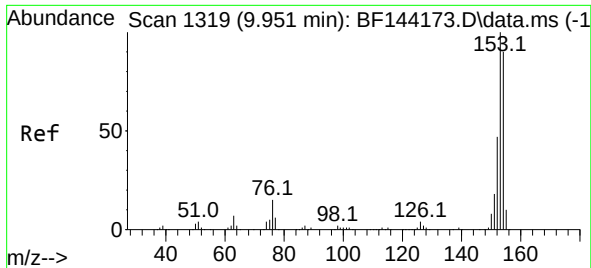


#49
Acenaphthylene
Concen: 6.296 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49



Tgt Ion:152 Resp: 37554
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 14.1 10.5 15.7





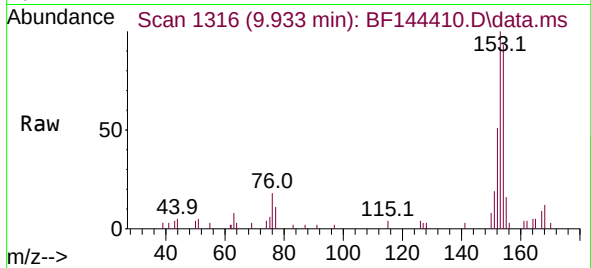
#52
Acenaphthene
Concen: 2.389 ng
RT: 9.933 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1

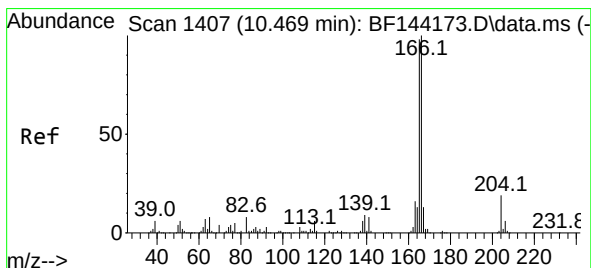
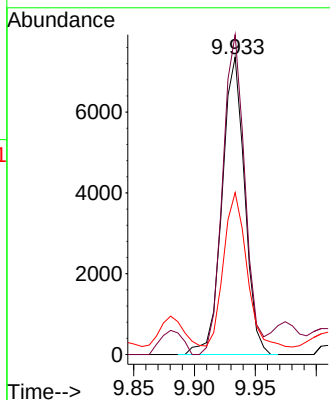
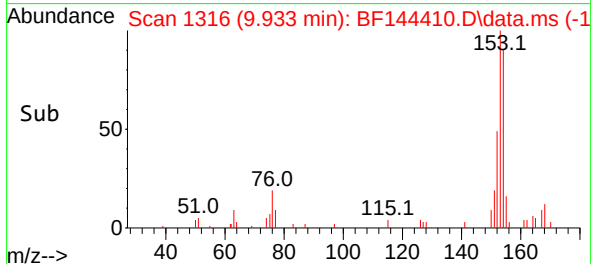


Tgt Ion:154 Resp: 952
Ion Ratio Lower Upper
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153 107.6 89.0 133.4
152 54.5 42.2 63.4

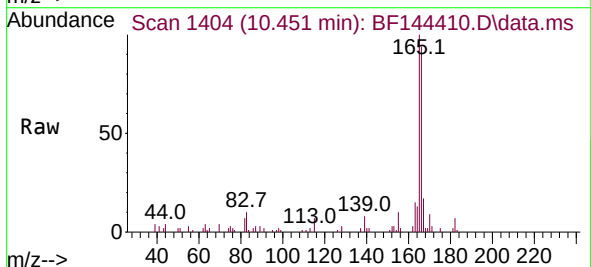
Manual Integrations

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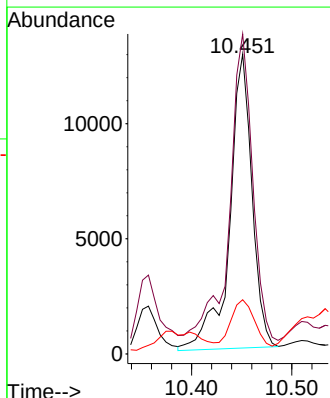
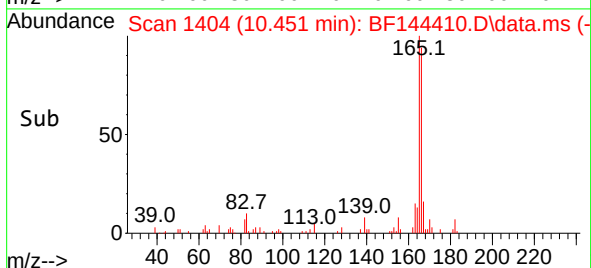
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

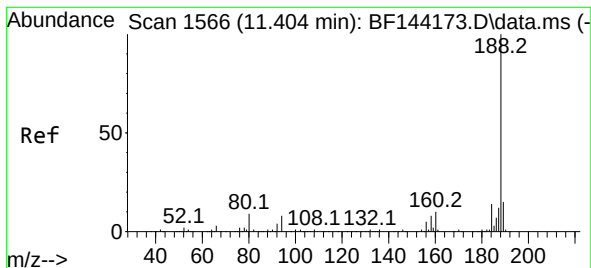


#58
Fluorene
Concen: 4.681 ng
RT: 10.451 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49



Tgt Ion:166 Resp: 19882
Ion Ratio Lower Upper
166 100
165 106.8 78.6 118.0
167 18.1 10.4 15.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144410.D

Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

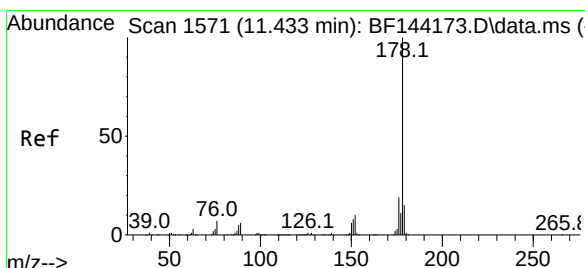
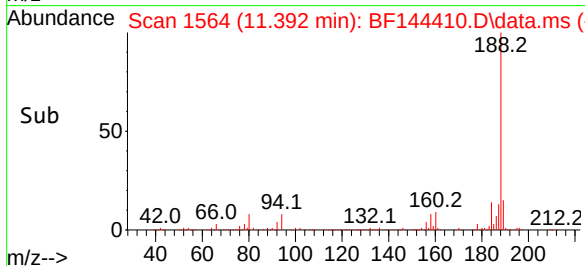
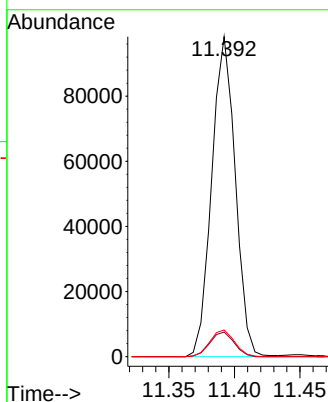
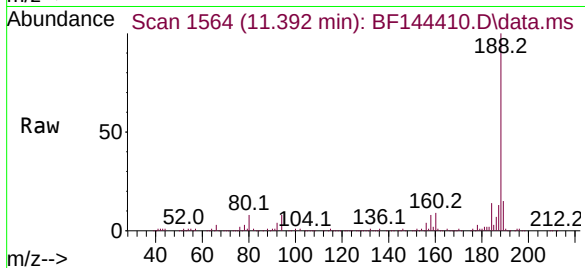
FENCE WC-1

Tgt Ion:188 Resp: 122972
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.2 9.2
 80 8.3 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: 66.249 ng

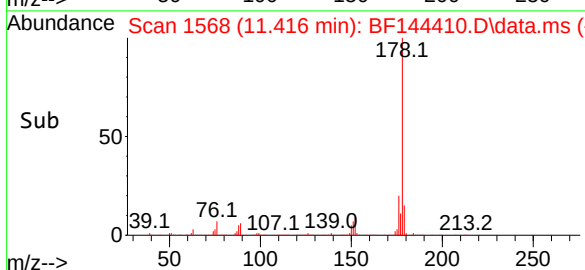
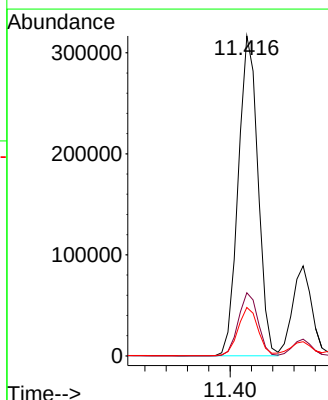
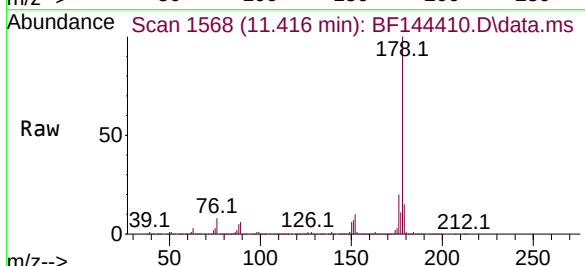
RT: 11.416 min Scan# 1568

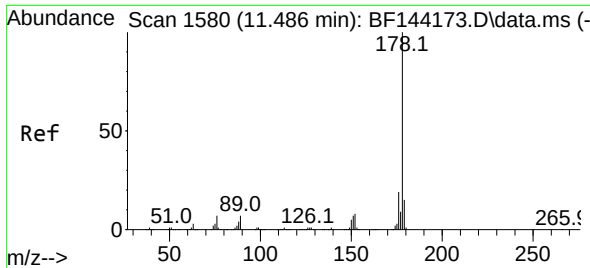
Delta R.T. -0.012 min

Lab File: BF144410.D

Acq: 02 Dec 2025 18:49

Tgt Ion:178 Resp: 405617
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.5 23.3
 179 15.1 12.2 18.4





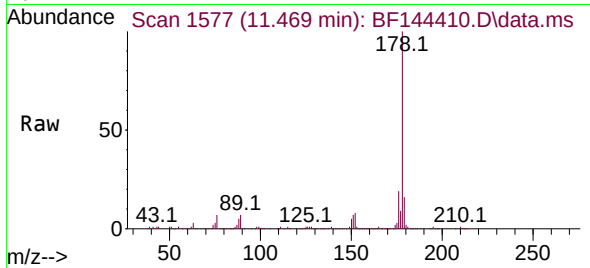
#72
 Anthracene
 Concen: 17.890 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144410.D
 Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1

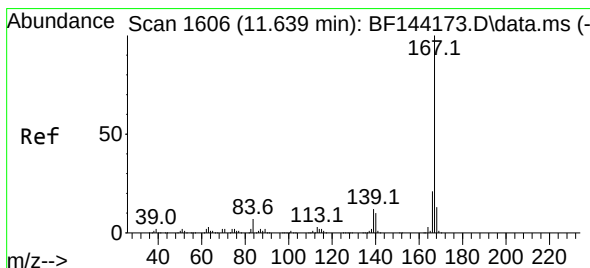
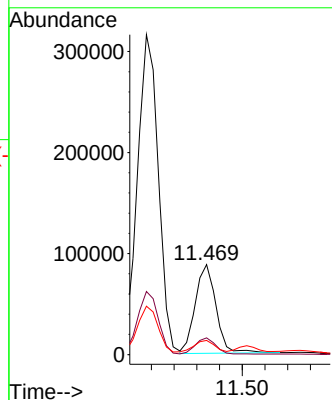
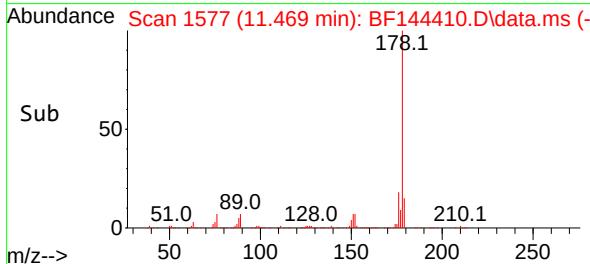


Tgt Ion:178 Resp: 111372
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 15.7 12.0 18.0

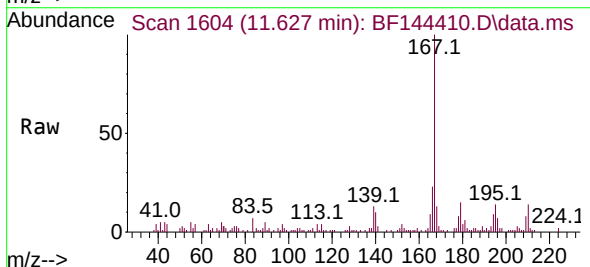
Manual Integrations

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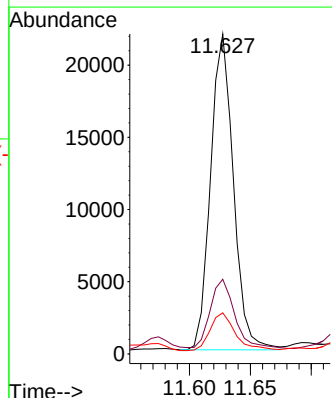
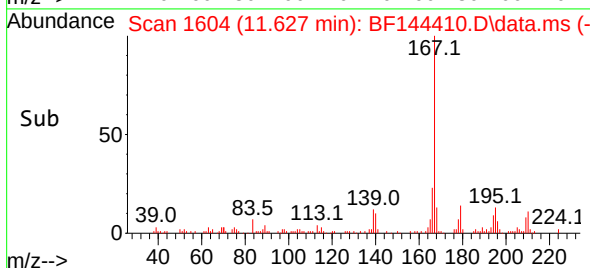
Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025

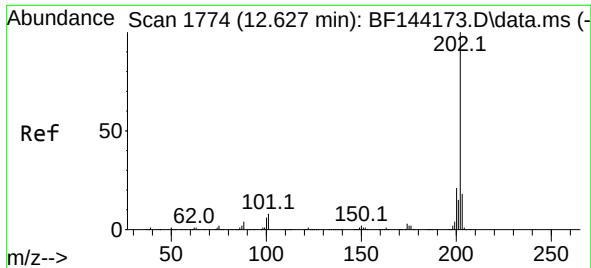


#73
 Carbazole
 Concen: 5.401 ng
 RT: 11.627 min Scan# 1604
 Delta R.T. -0.012 min
 Lab File: BF144410.D
 Acq: 02 Dec 2025 18:49



Tgt Ion:167 Resp: 28593
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.2 25.8
 139 12.8 9.9 14.9





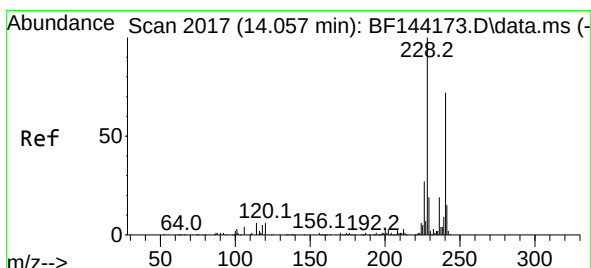
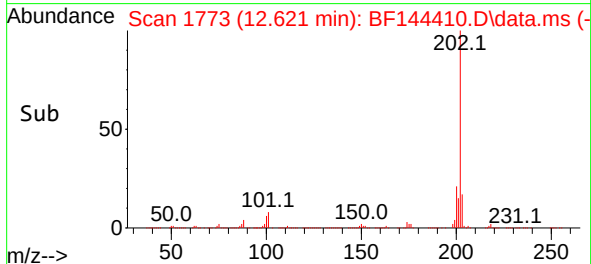
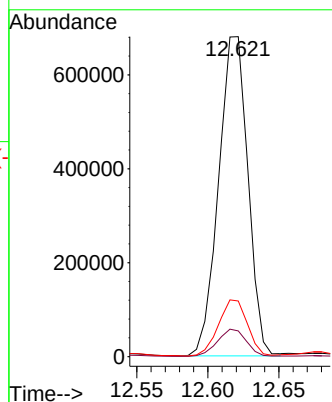
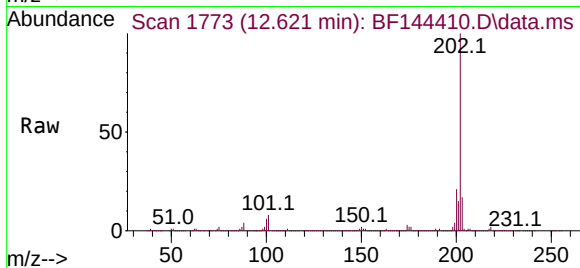
#75
Fluoranthene
Concen: 154.601 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :
BNA_F
ClientSampleId :
FENCE WC-1

Tgt Ion:202 Resp: 977798
Ion Ratio Lower Upper
202 100
101 8.0 0.0 27.9
203 17.4 0.0 37.5

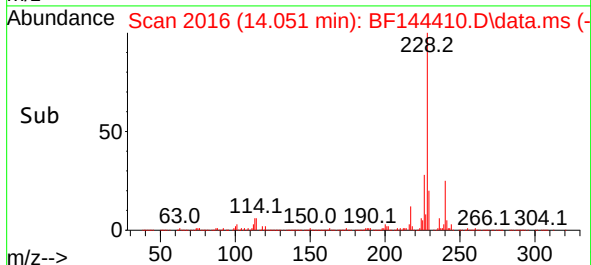
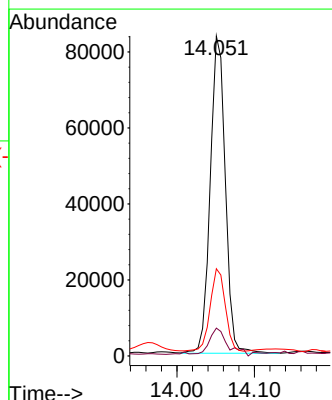
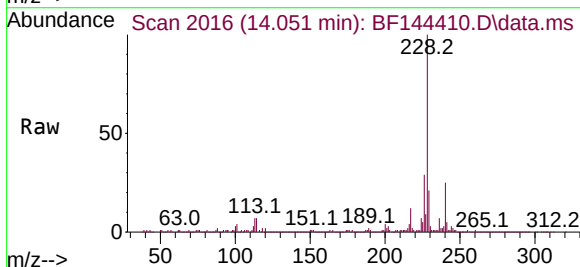
Manual Integrations
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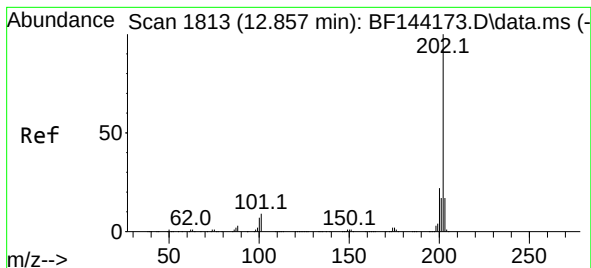
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Tgt Ion:240 Resp: 112947
Ion Ratio Lower Upper
240 100
120 8.7 6.6 10.0
236 27.2 21.4 32.2





#78

Pyrene

Concen: 115.420 ng

RT: 12.851 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF144410.D

Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1

Tgt Ion:202 Resp: 1051103

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

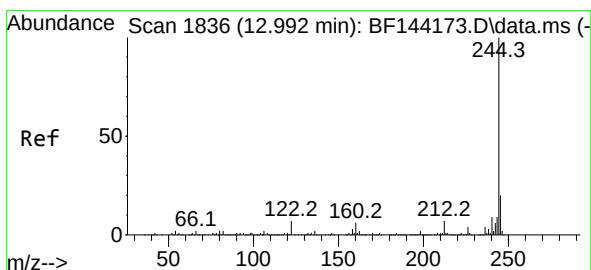
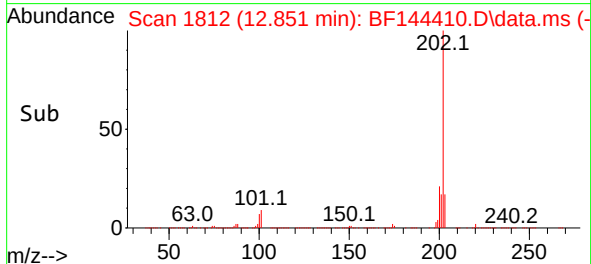
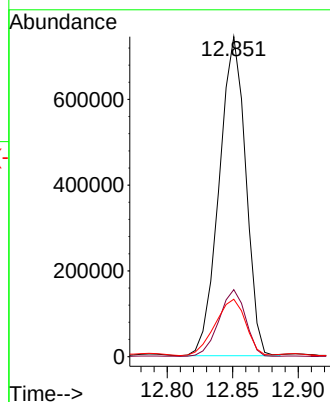
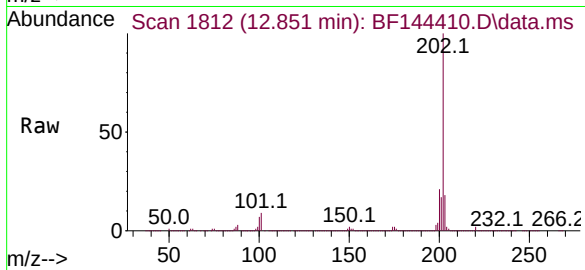
203 17.9 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025

Supervised By :Sohil Jodhani 12/03/2025



#79

Terphenyl-d14

Concen: 35.596 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144410.D

Acq: 02 Dec 2025 18:49

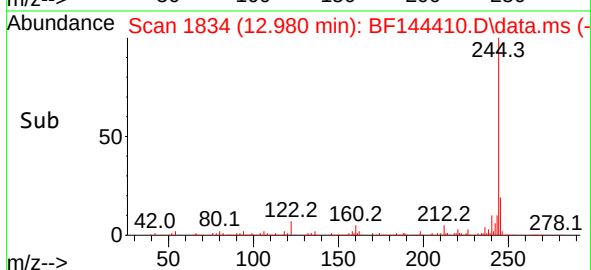
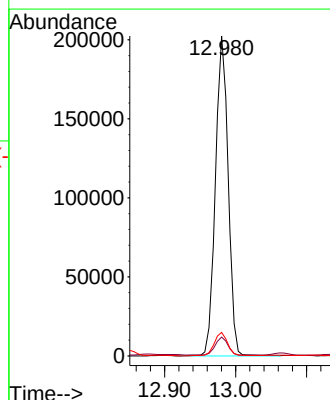
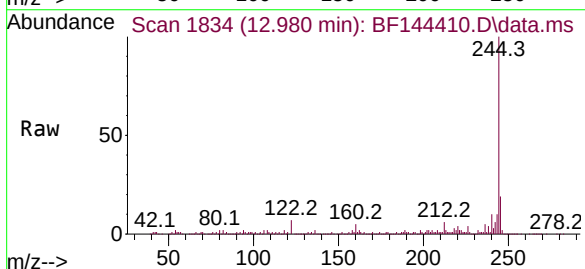
Tgt Ion:244 Resp: 253113

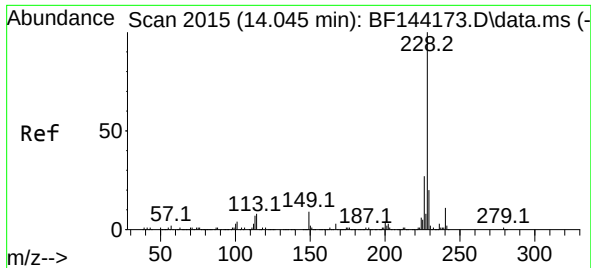
Ion Ratio Lower Upper

244 100

212 5.9 5.3 7.9

122 7.3 5.6 8.4





#81
Benzo(a)anthracene
Concen: 100.788 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

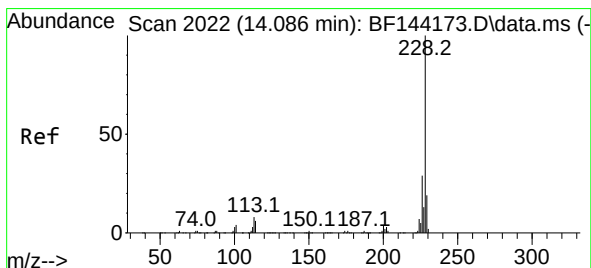
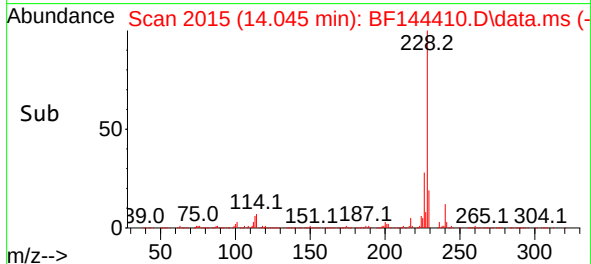
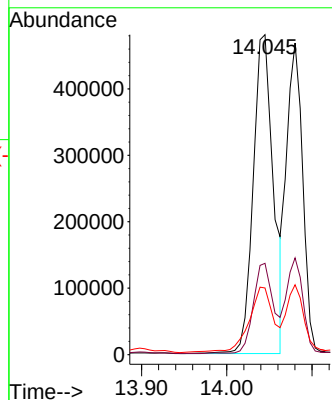
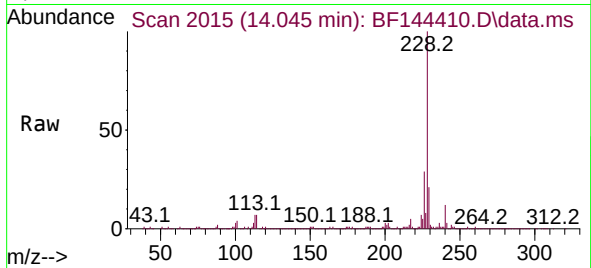
FENCE WC-1

Tgt Ion:228 Resp: 788973
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.8
229 20.8 15.8 23.6

Manual Integrations

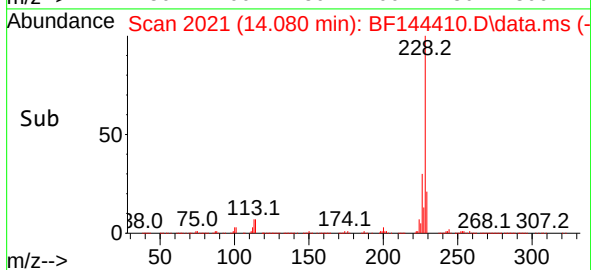
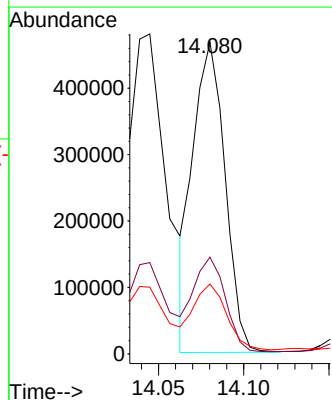
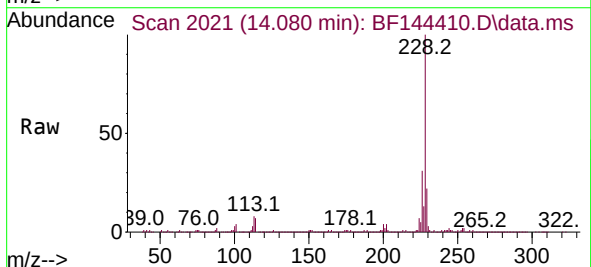
APPROVED

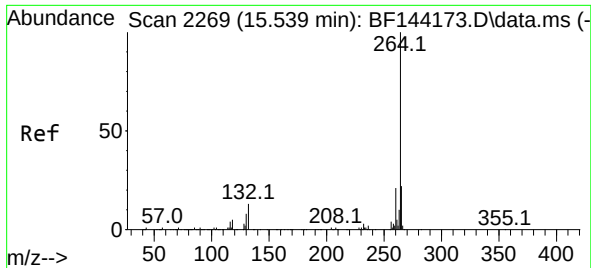
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#83
Chrysene
Concen: 84.623 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Tgt Ion:228 Resp: 611516
Ion Ratio Lower Upper
228 100
226 31.0 22.9 34.3
229 22.4 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

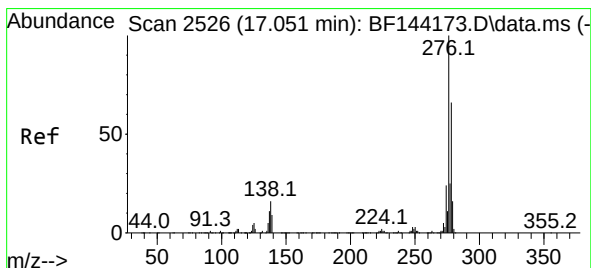
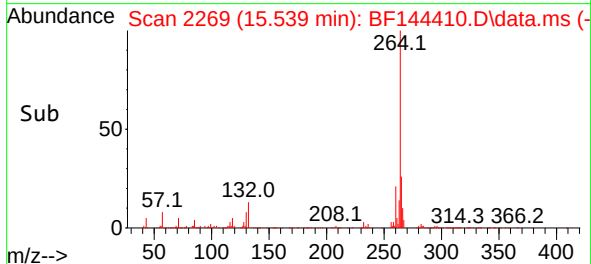
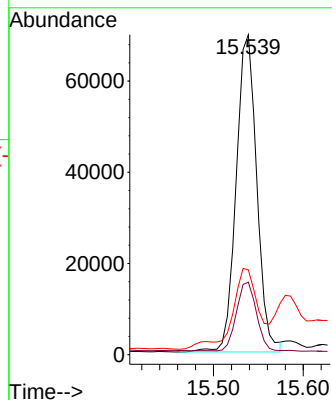
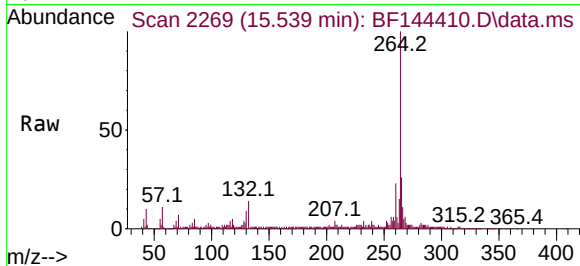
FENCE WC-1

Tgt Ion:264 Resp: 111648
Ion Ratio Lower Upper
264 100
260 22.6 17.1 25.7
265 26.5 17.4 26.0

Manual Integrations

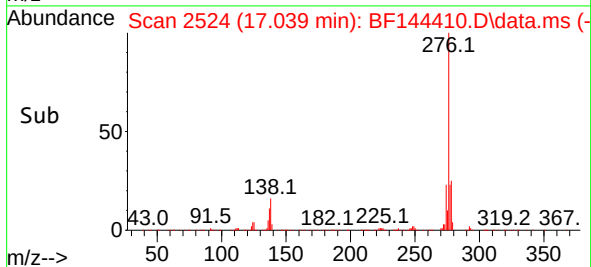
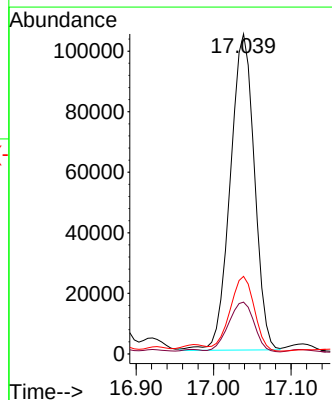
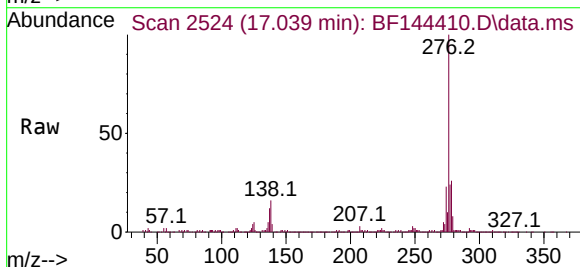
APPROVED

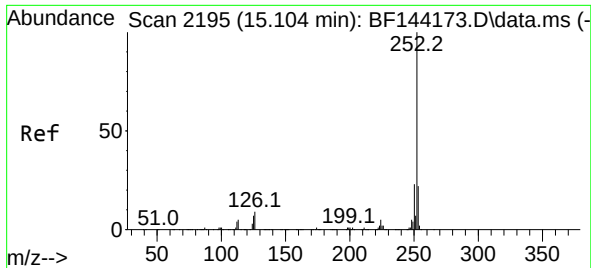
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 28.258 ng
RT: 17.039 min Scan# 2524
Delta R.T. 0.006 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

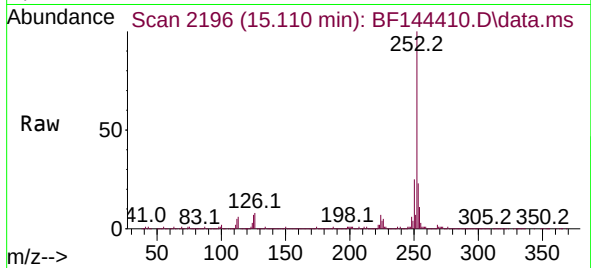
Tgt Ion:276 Resp: 226474
Ion Ratio Lower Upper
276 100
138 16.7 13.9 20.9
277 23.9 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 104.487 ng m
RT: 15.110 min Scan# 2195
Delta R.T. 0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

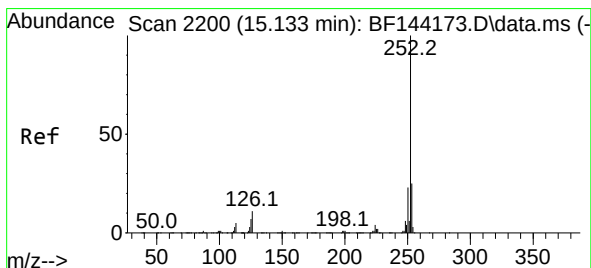
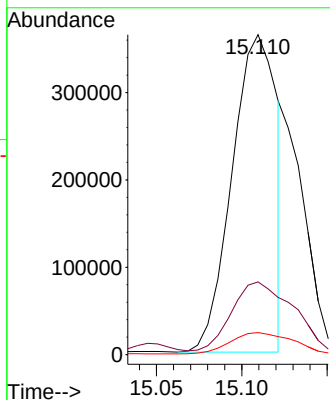
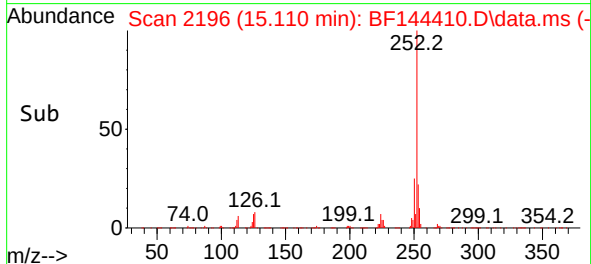
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1



Tgt Ion:252 Resp: 663223
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 6.9 5.3 7.9

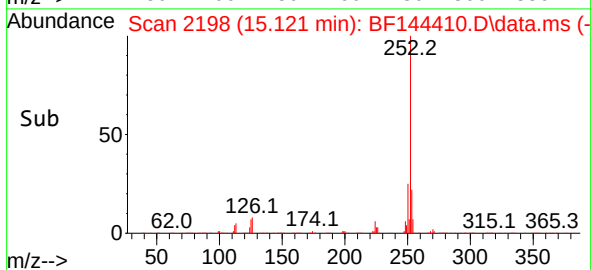
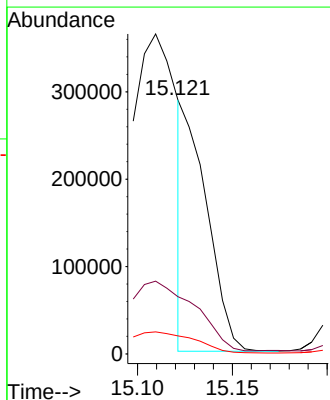
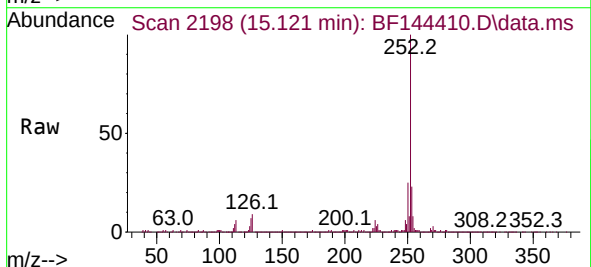
Manual Integrations
APPROVED

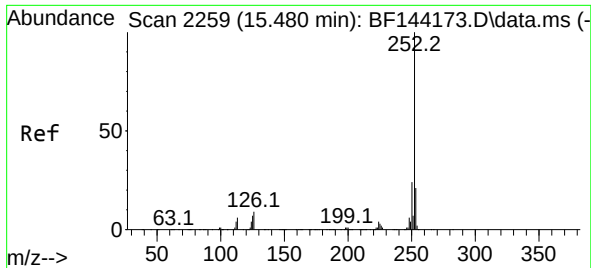
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#89
Benzo(k)fluoranthene
Concen: 40.640 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Tgt Ion:252 Resp: 241450
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 7.1 5.4 8.2





#90
Benzo(a)pyrene
Concen: 83.104 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

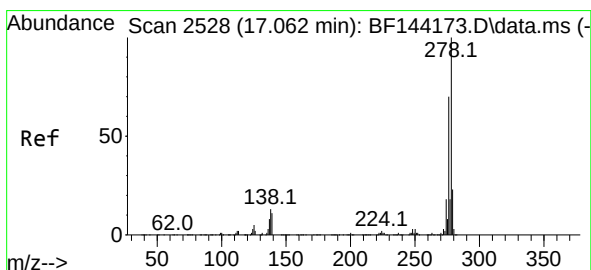
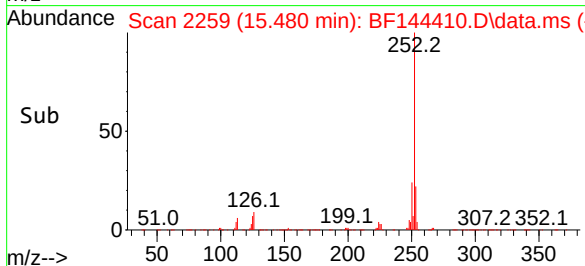
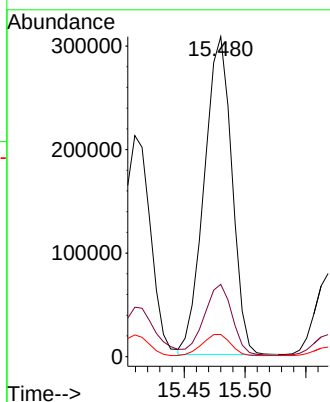
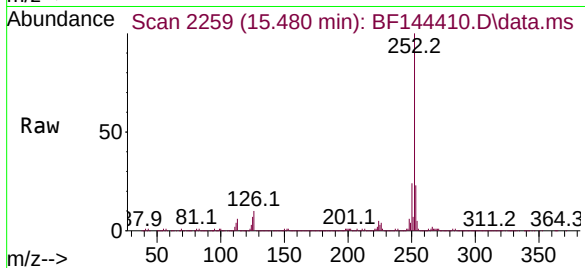
ClientSampleId :

FENCE WC-1

Tgt Ion:252 Resp: 48663
Ion Ratio Lower Upper
252 100
253 22.6 16.7 25.1
125 6.9 5.7 8.5

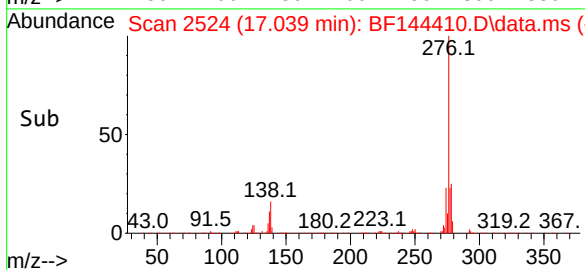
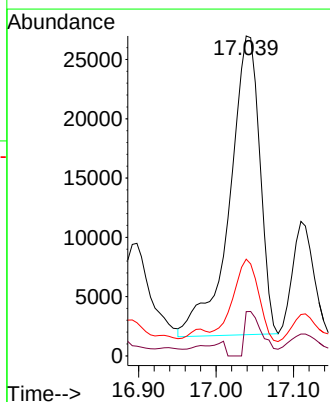
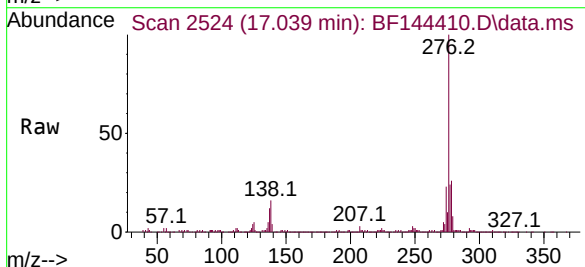
Manual Integrations
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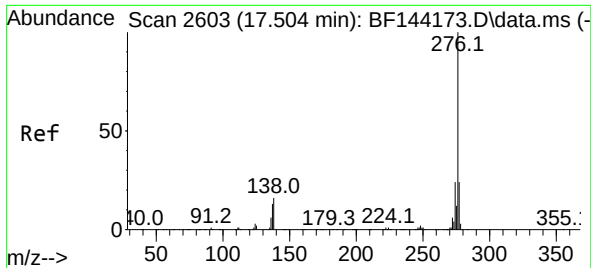
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#91
Dibenzo(a,h)anthracene
Concen: 10.626 ng
RT: 17.039 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF144410.D
Acq: 02 Dec 2025 18:49

Tgt Ion:278 Resp: 68393
Ion Ratio Lower Upper
278 100
139 13.8 9.1 13.7#
279 30.2 18.2 27.4#





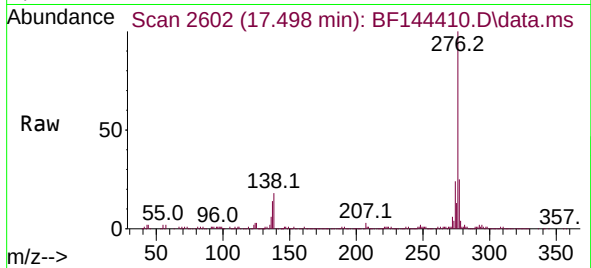
#92
 Benzo(g,h,i)perylene
 Concen: 34.690 ng
 RT: 17.498 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF144410.D
 Acq: 02 Dec 2025 18:49

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1



Tgt Ion:276 Resp: 220494
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.0 28.4
 138 17.7 12.9 19.3

Manual Integrations

APPROVED

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

