

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144411.D
 Acq On : 02 Dec 2025 19:18
 Operator : RC/JU
 Sample : Q3750-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FENCE WC-2

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 23:48:48 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	35126	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	117388	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	59798	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	116309	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	117741	20.000	ng	0.00
86) Perylene-d12	15.527	264	95946	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	161644	72.013	ng	0.00
7) Phenol-d6	6.492	99	165370	65.020	ng	0.00
23) Nitrobenzene-d5	7.422	82	103430	50.888	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	54369	72.454	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	215336	53.185	ng	-0.01
79) Terphenyl-d14	12.980	244	307854	41.532	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	83351	14.394	ng	98
72) Anthracene	11.469	178	14847	2.521	ng	98
75) Fluoranthene	12.610	202	186917	31.247	ng	98
78) Pyrene	12.839	202	199909	21.058	ng	99
81) Benzo(a)anthracene	14.033	228	114502	14.032	ng	96
83) Chrysene	14.068	228	105416	13.994	ng	95
87) Indeno(1,2,3-cd)pyrene	17.027	276	35590	5.167	ng	99
88) Benzo(b)fluoranthene	15.092	252	106175m	19.465	ng	
89) Benzo(k)fluoranthene	15.110	252	31681m	6.205	ng	
90) Benzo(a)pyrene	15.462	252	65962	13.108	ng	# 98
92) Benzo(g,h,i)perylene	17.480	276	35157	6.436	ng	93

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

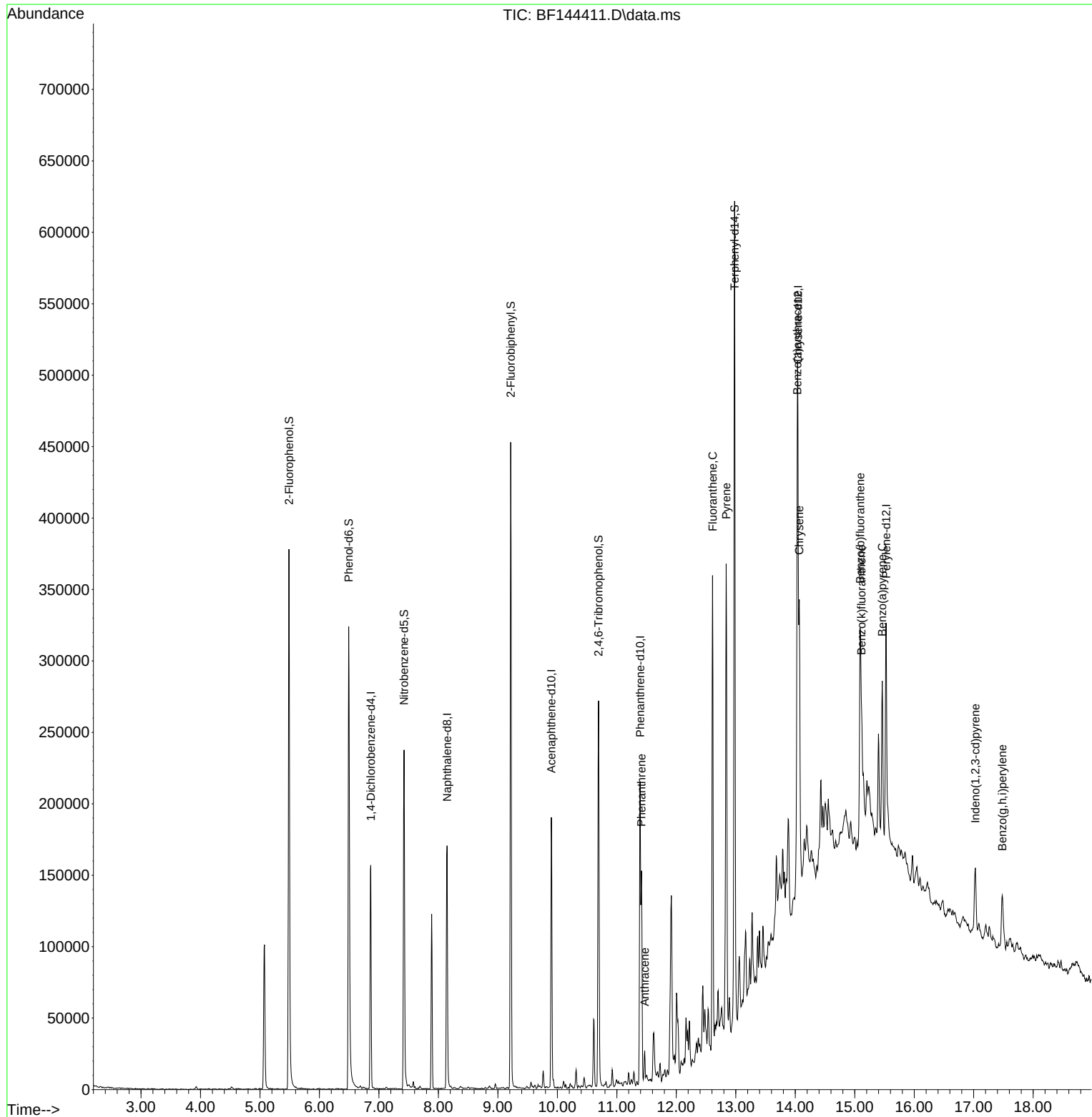
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144411.D
Acq On : 02 Dec 2025 19:18
Operator : RC/JU
Sample : Q3750-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

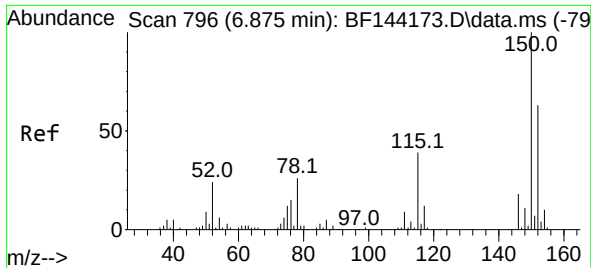
Instrument :
BNA_F
ClientSampleId :
FENCE WC-2

Quant Time: Dec 02 23:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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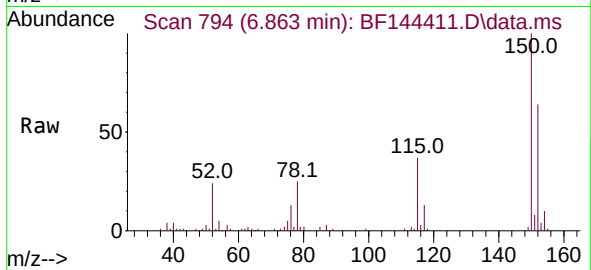
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

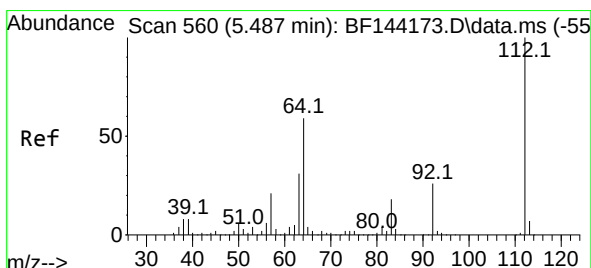
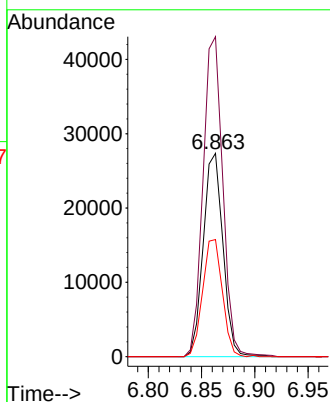
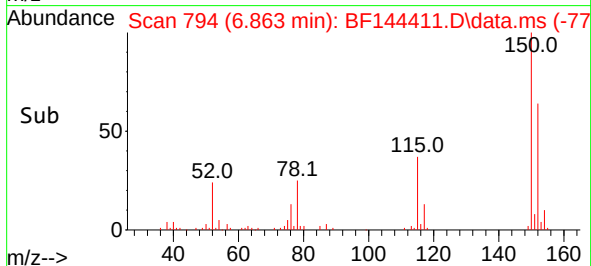
Instrument :
BNA_F
ClientSampleId :
FENCE WC-2



Tgt Ion:152 Resp: 35126
Ion Ratio Lower Upper
152 100
150 157.4 127.4 191.0
115 57.6 49.5 74.3

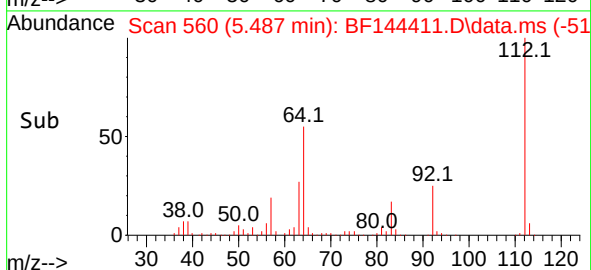
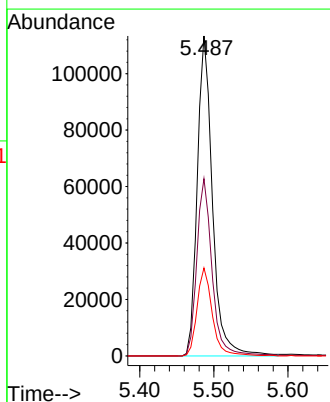
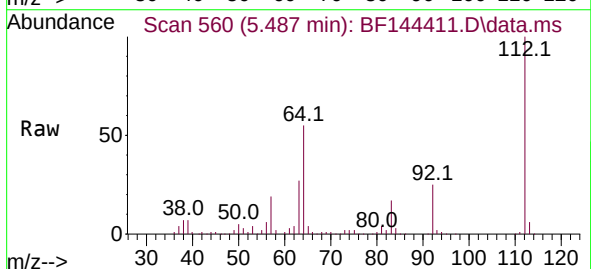
Manual Integrations
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#5
2-Fluorophenol
Concen: 72.013 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

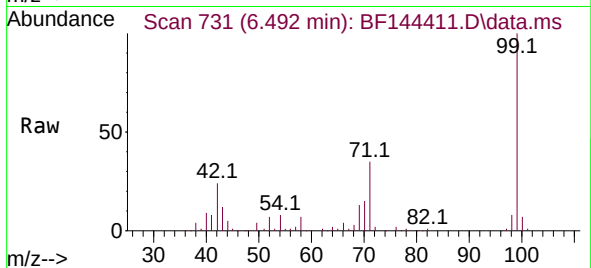
Tgt Ion:112 Resp: 161644
Ion Ratio Lower Upper
112 100
64 55.4 47.2 70.8
63 27.5 24.4 36.6





#7
Phenol-d6
Concen: 65.020 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

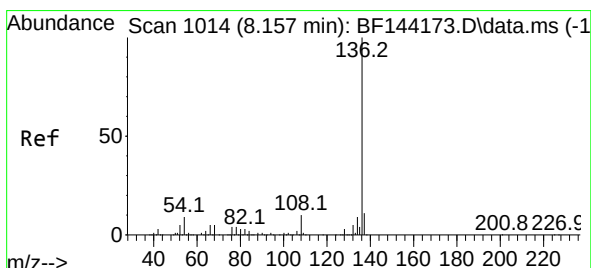
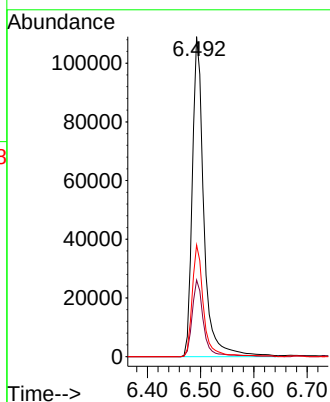
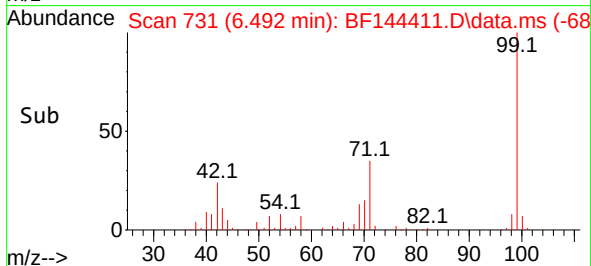
Instrument :
BNA_F
ClientSampleId :
FENCE WC-2



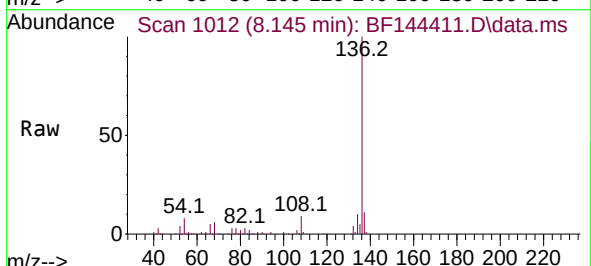
Tgt Ion: 99 Resp: 165376
Ion Ratio Lower Upper
99 100
42 23.9 20.9 31.3
71 34.9 31.4 47.2

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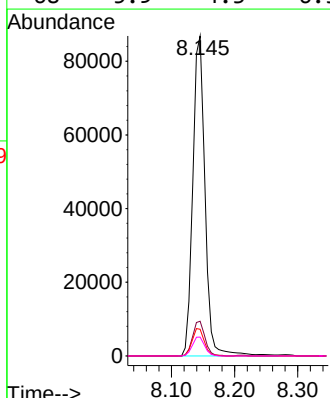
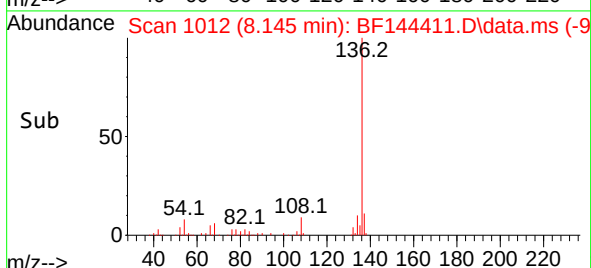
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

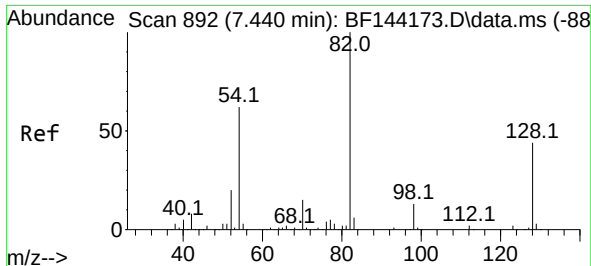


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18



Tgt Ion:136 Resp: 117388
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 7.0 10.6
68 5.9 4.3 6.5





#23

Nitrobenzene-d5

Concen: 50.888 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144411.D

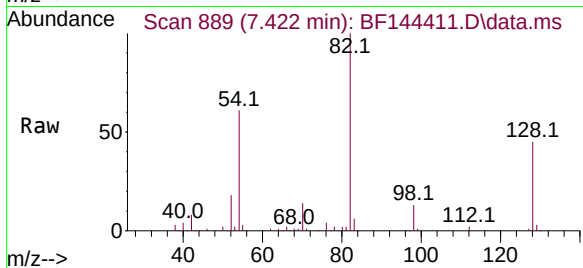
Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

FENCE WC-2



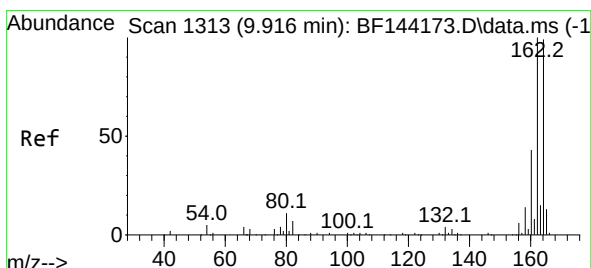
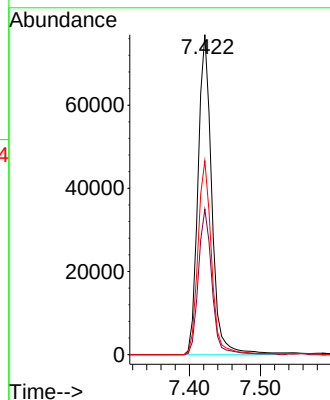
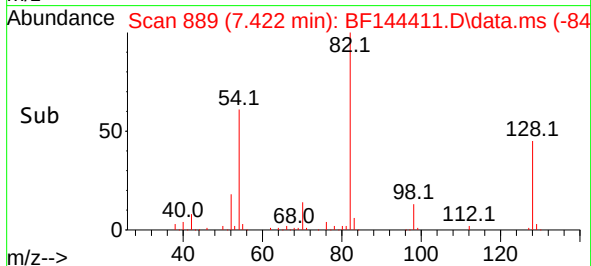
Tgt Ion: 82 Resp: 103430

Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.7	52.1
54	60.6	49.5	74.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

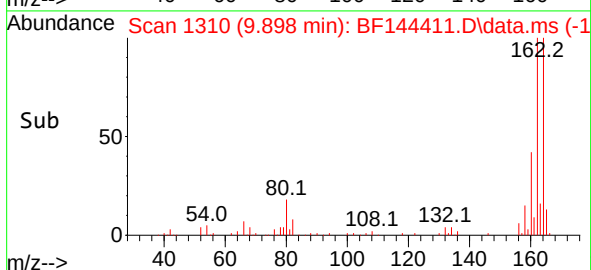
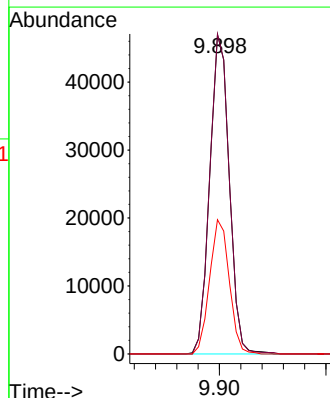
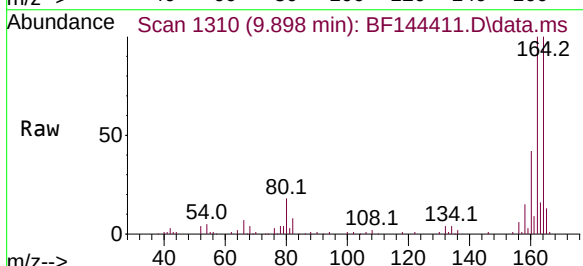
Delta R.T. -0.018 min

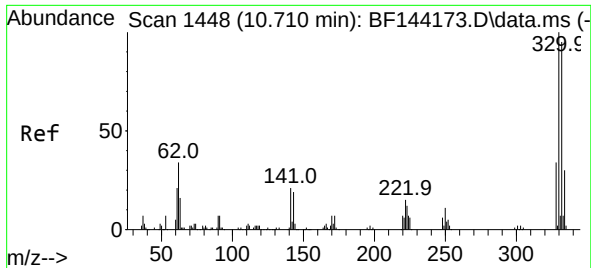
Lab File: BF144411.D

Acq: 02 Dec 2025 19:18

Tgt Ion:164 Resp: 59798

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.1	121.7
160	42.0	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 72.454 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

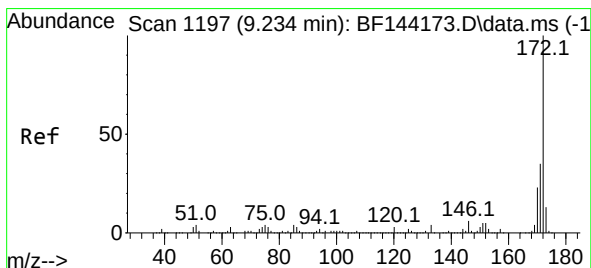
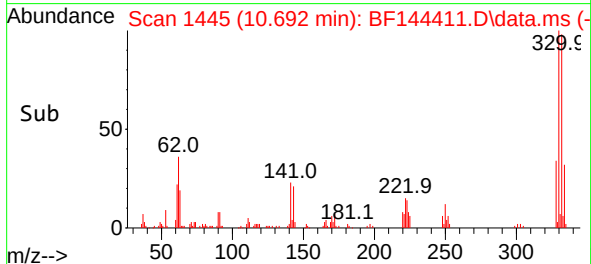
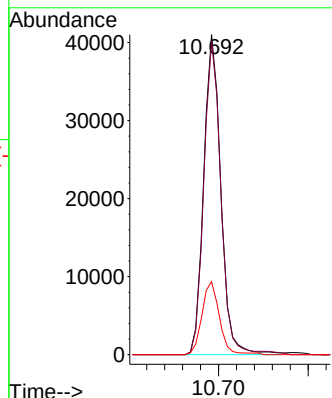
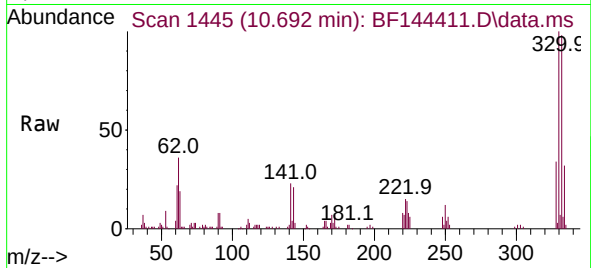
FENCE WC-2

Tgt Ion:330 Resp: 54369
Ion Ratio Lower Upper
330 100
332 97.6 76.7 115.1
141 23.2 17.8 26.8

Manual Integrations

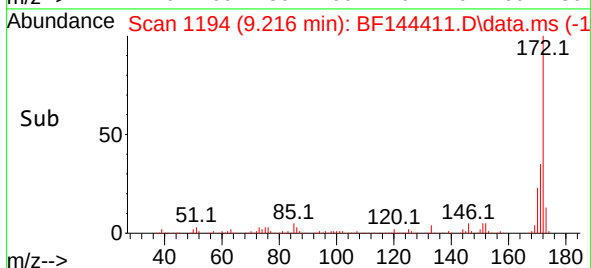
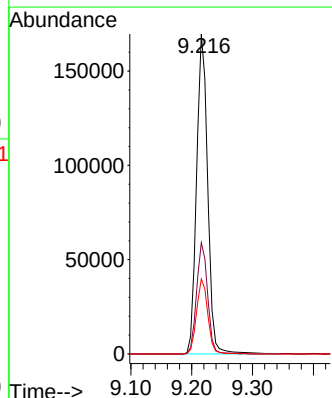
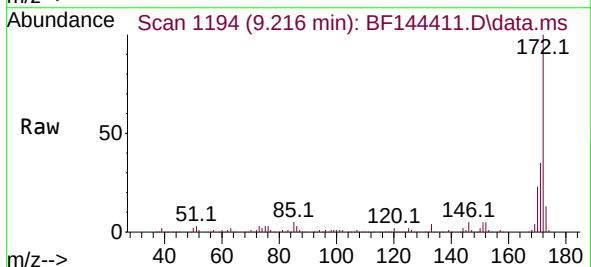
APPROVED

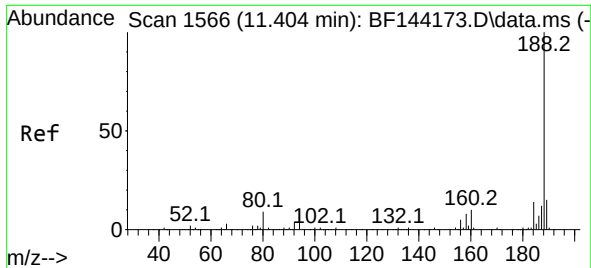
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#45
2-Fluorobiphenyl
Concen: 53.185 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

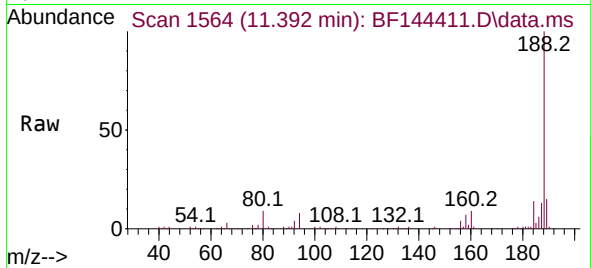
Tgt Ion:172 Resp: 215336
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.4 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

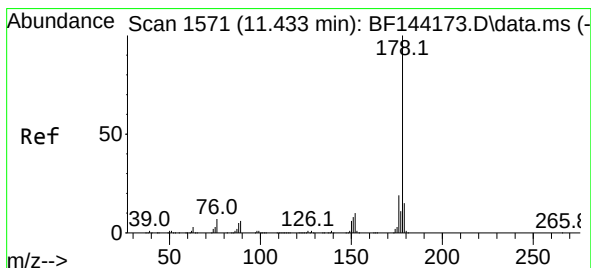
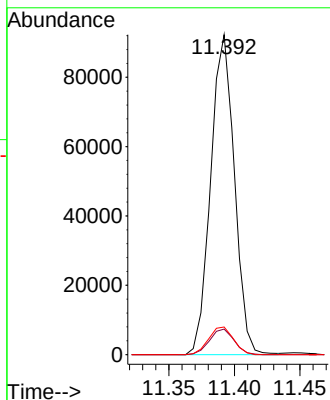
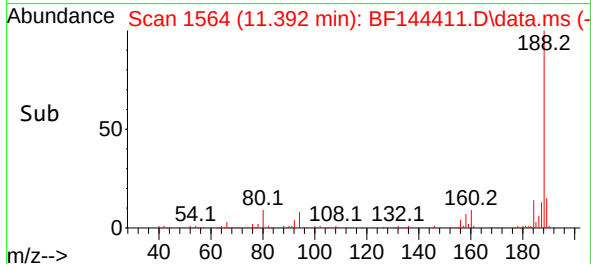
Instrument :
BNA_F
ClientSampleId :
FENCE WC-2



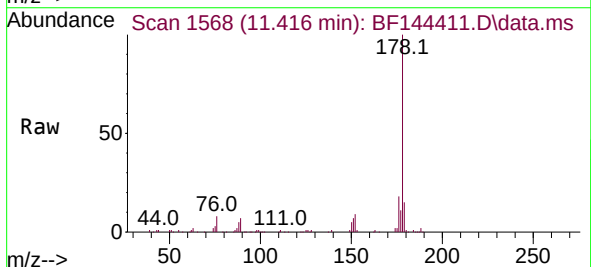
Tgt Ion:188 Resp: 116309
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.6 6.9 10.3

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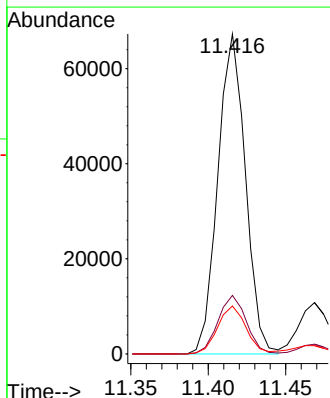
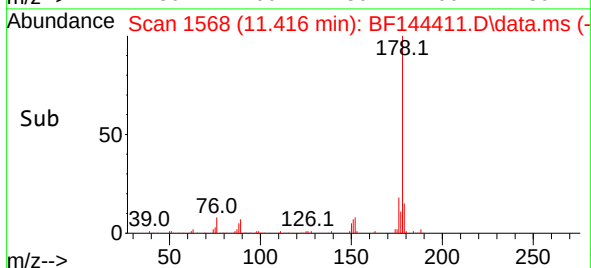
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

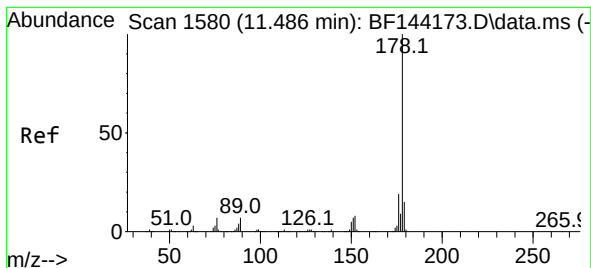


#71
Phenanthrene
Concen: 14.394 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18



Tgt Ion:178 Resp: 83351
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.0 12.2 18.4





#72
 Anthracene
 Concen: 2.521 ng
 RT: 11.469 min Scan# 1147
 Delta R.T. -0.012 min
 Lab File: BF144411.D
 Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

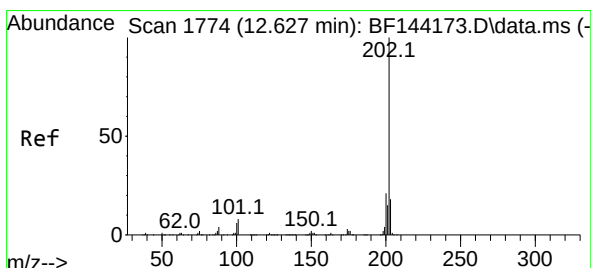
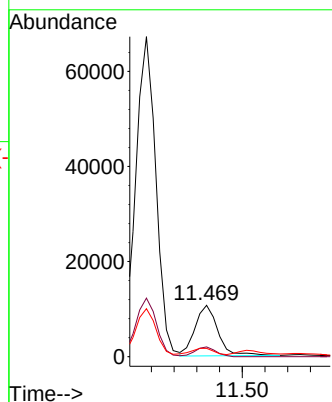
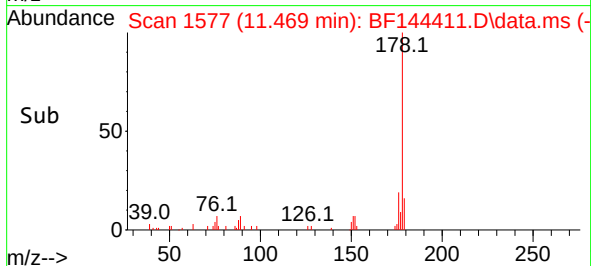
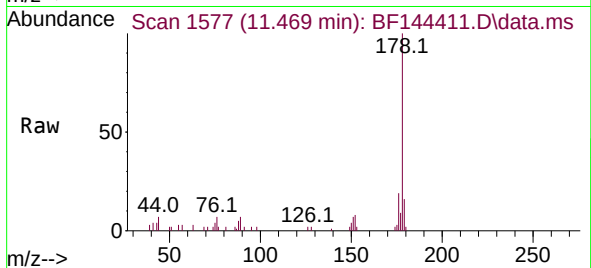
FENCE WC-2

Tgt Ion:178 Resp: 1484
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 16.1 12.0 18.0

Manual Integrations

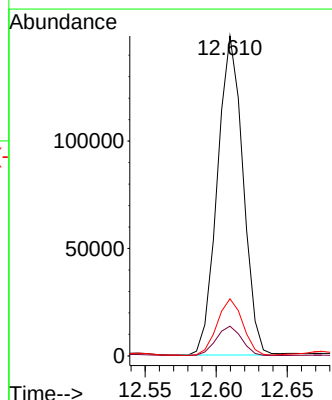
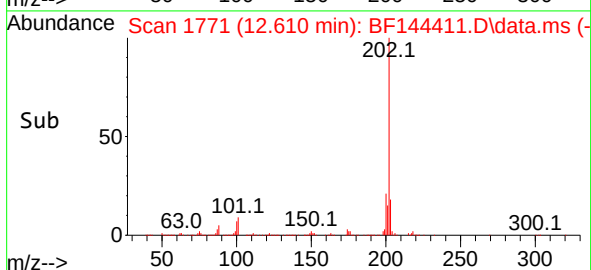
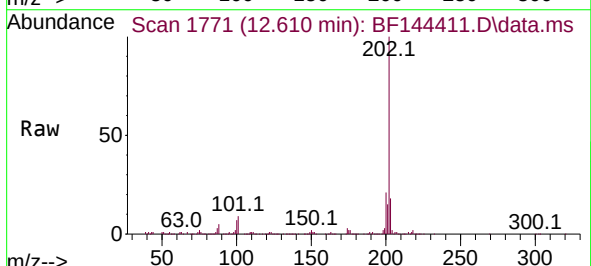
APPROVED

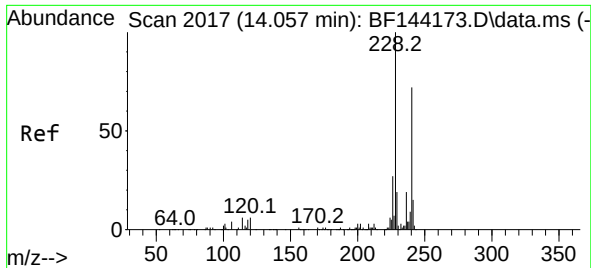
Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025



#75
 Fluoranthene
 Concen: 31.247 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144411.D
 Acq: 02 Dec 2025 19:18

Tgt Ion:202 Resp: 186917
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 27.9
 203 17.8 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

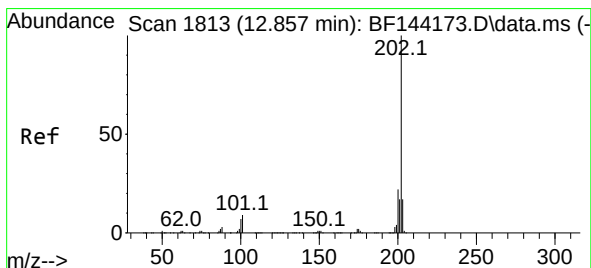
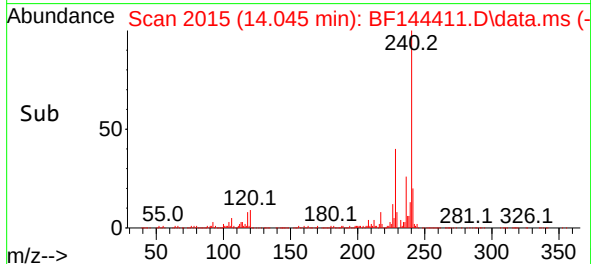
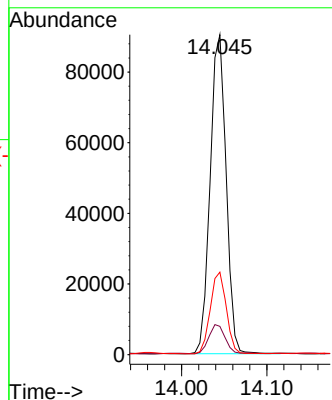
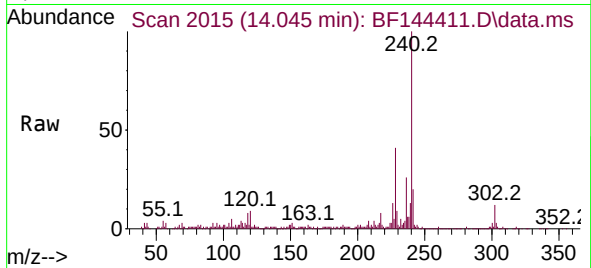
FENCE WC-2

Tgt Ion:240 Resp: 11774
Ion Ratio Lower Upper
240 100
120 8.8 6.6 10.0
236 25.8 21.4 32.2

Manual Integrations

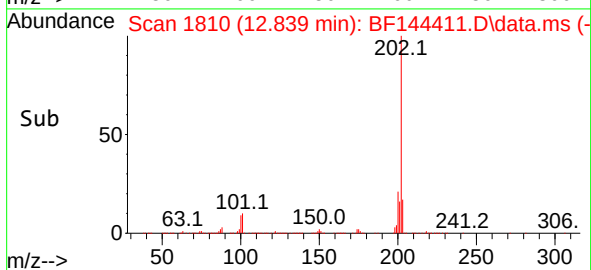
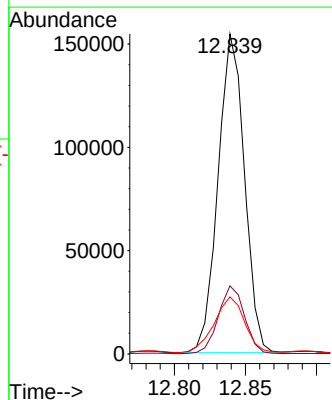
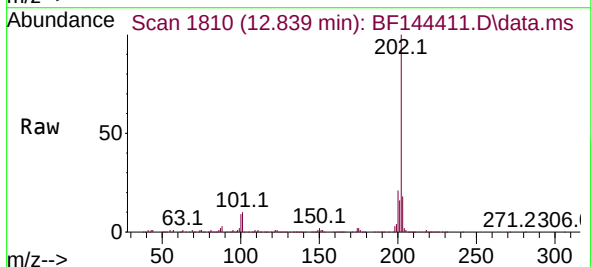
APPROVED

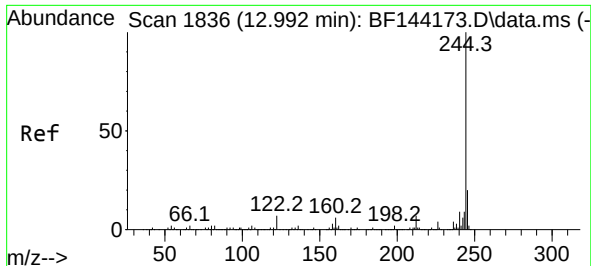
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#78
Pyrene
Concen: 21.058 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

Tgt Ion:202 Resp: 199909
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.8 13.7 20.5





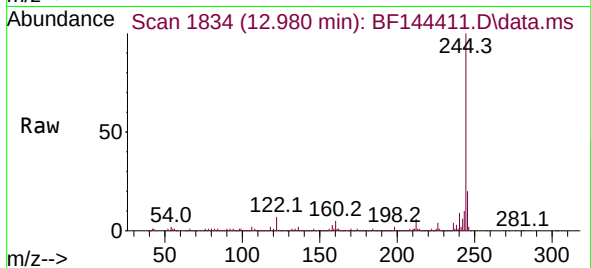
#79
 Terphenyl-d14
 Concen: 41.532 ng
 RT: 12.980 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF144411.D
 Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

FENCE WC-2

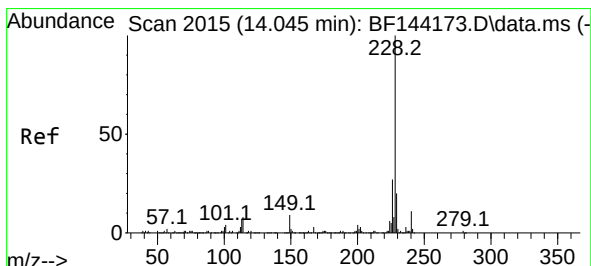
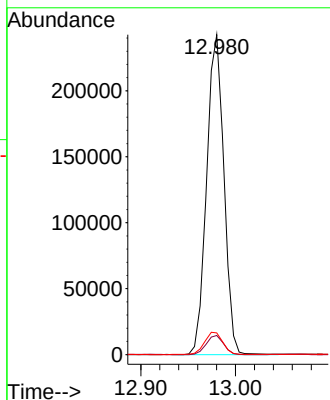
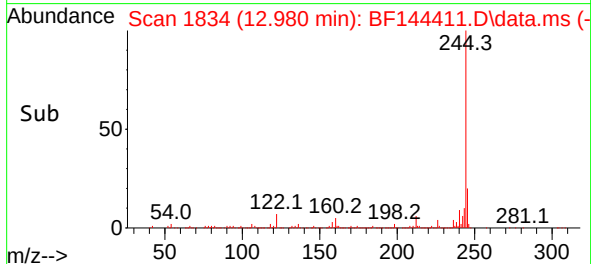


Tgt Ion:244 Resp: 307854
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.3 7.9
 122 6.8 5.6 8.4

Manual Integrations

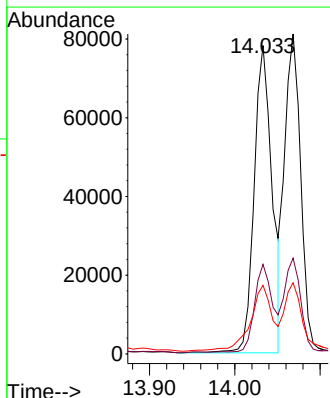
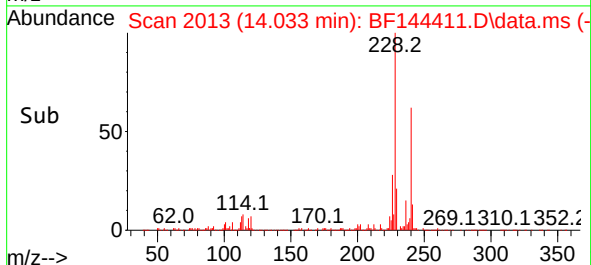
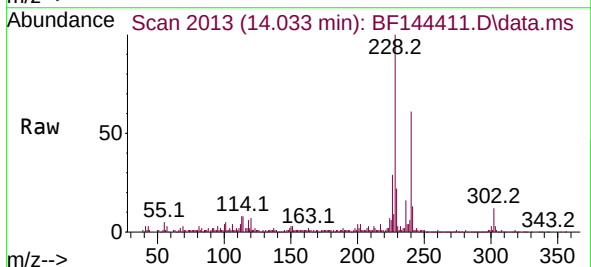
APPROVED

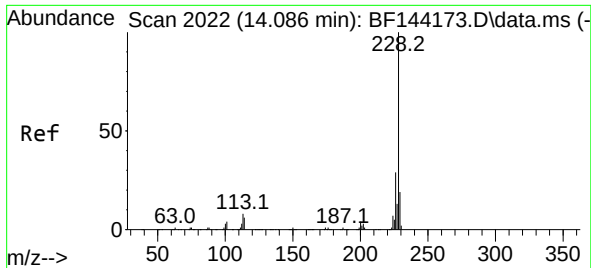
Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025



#81
 Benzo(a)anthracene
 Concen: 14.032 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144411.D
 Acq: 02 Dec 2025 19:18

Tgt Ion:228 Resp: 114502
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.8 32.8
 229 22.3 15.8 23.6





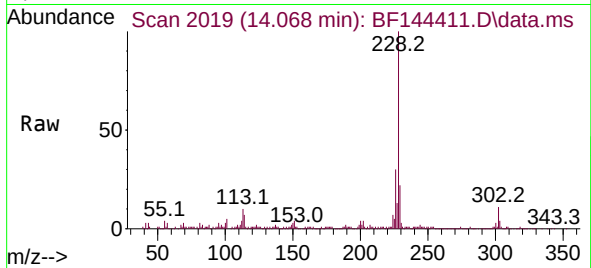
#83
Chrysene
Concen: 13.994 ng
RT: 14.068 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

FENCE WC-2

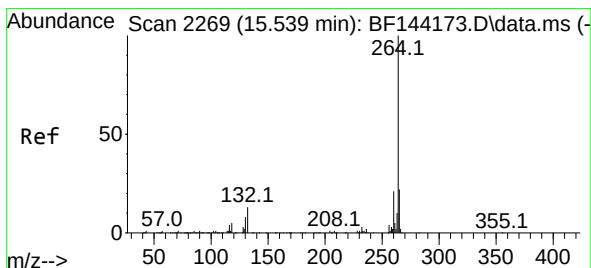
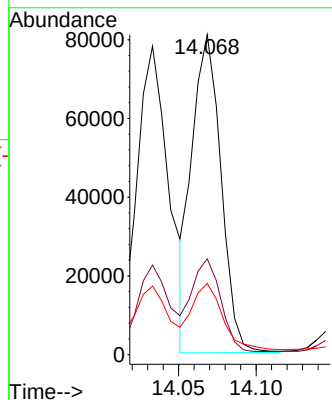
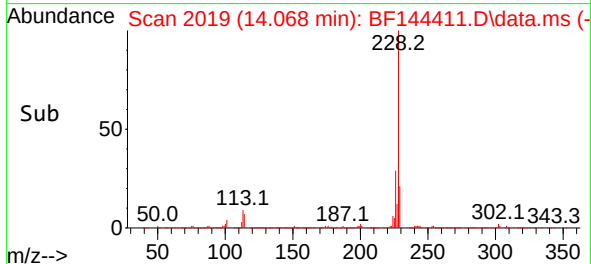


Tgt Ion:228 Resp: 105416
Ion Ratio Lower Upper
228 100
226 30.0 22.9 34.3
229 22.2 15.0 22.6

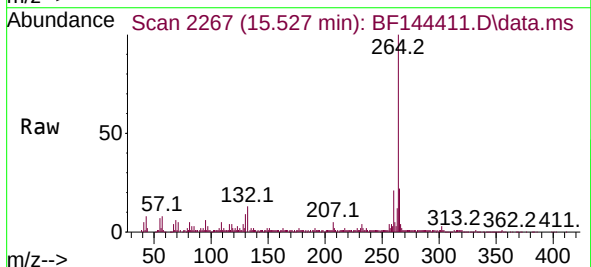
Manual Integrations

APPROVED

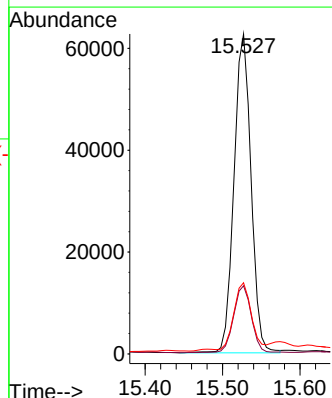
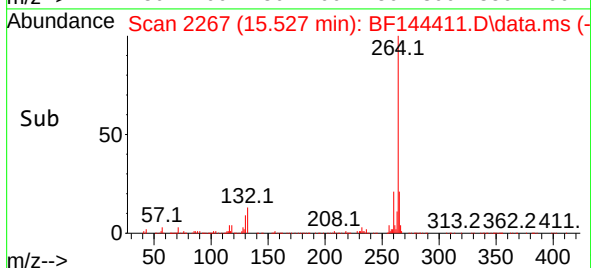
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

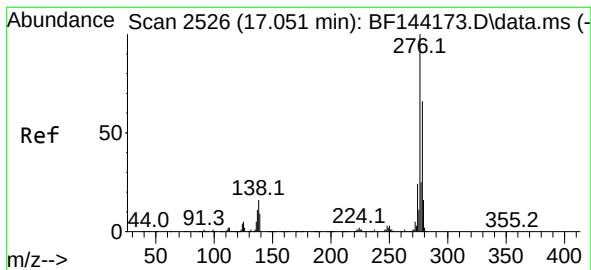


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18



Tgt Ion:264 Resp: 95946
Ion Ratio Lower Upper
264 100
260 21.3 17.1 25.7
265 22.2 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.167 ng
RT: 17.027 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

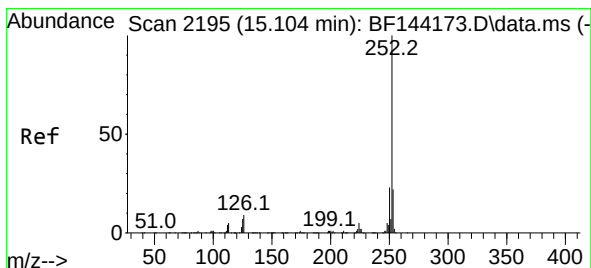
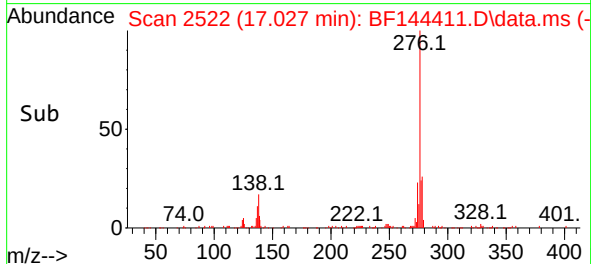
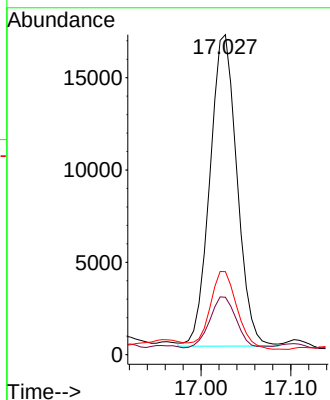
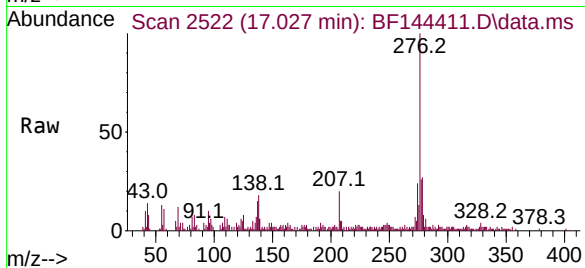
FENCE WC-2

Tgt Ion:276 Resp: 35590
Ion Ratio Lower Upper
276 100
138 16.5 13.9 20.9
277 25.0 19.8 29.6

Manual Integrations

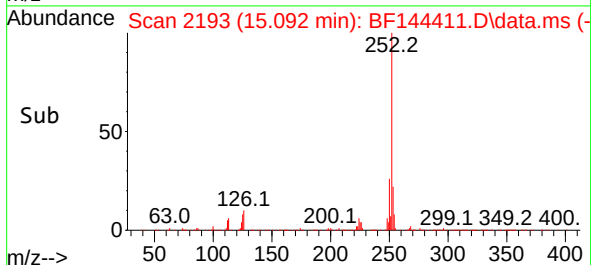
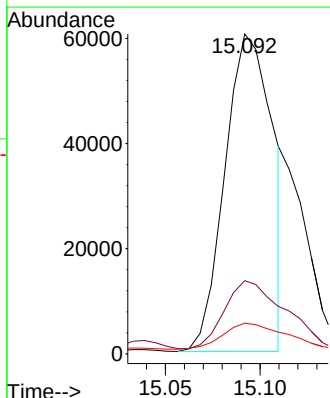
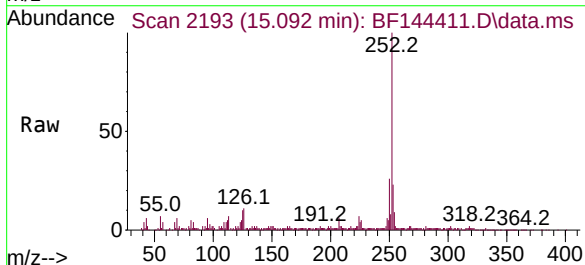
APPROVED

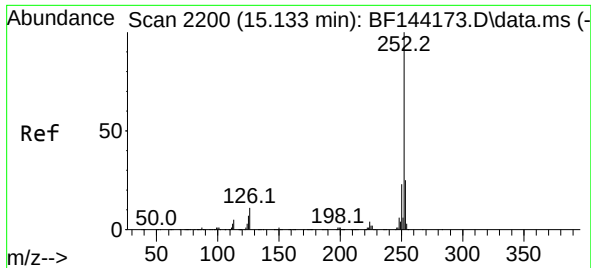
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#88
Benzo(b)fluoranthene
Concen: 19.465 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

Tgt Ion:252 Resp: 106175
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 9.6 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 6.205 ng m

RT: 15.110 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF144411.D

Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

FENCE WC-2

Tgt Ion:252 Resp: 3168

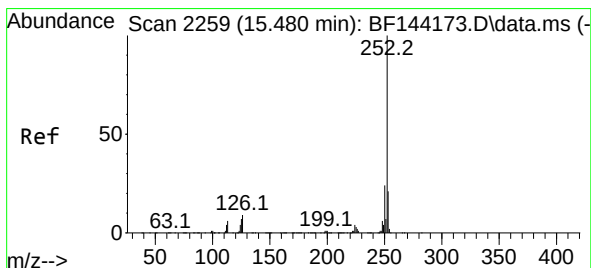
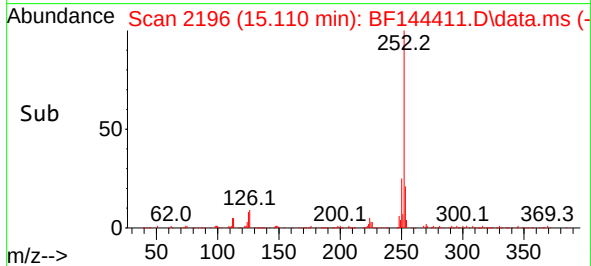
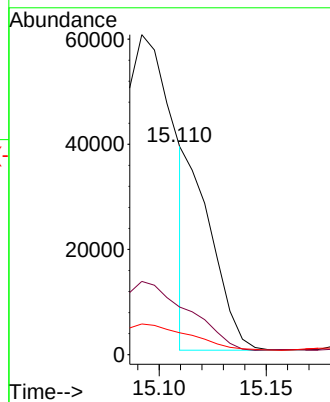
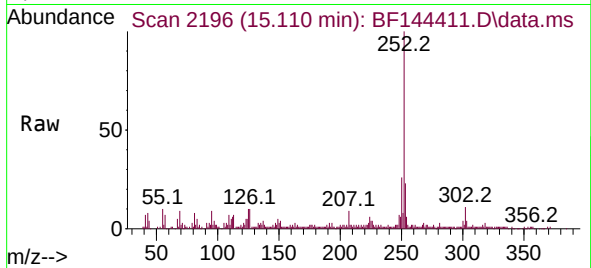
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.5	5.4	8.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025

Supervised By :Sohil Jodhani 12/03/2025



#90

Benzo(a)pyrene

Concen: 13.108 ng

RT: 15.462 min Scan# 2256

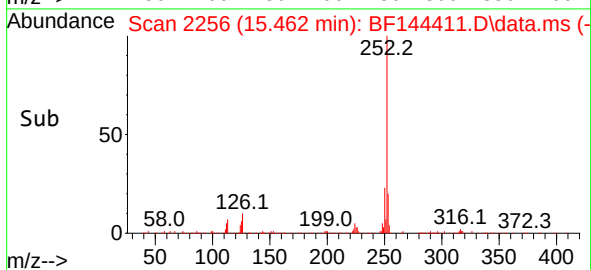
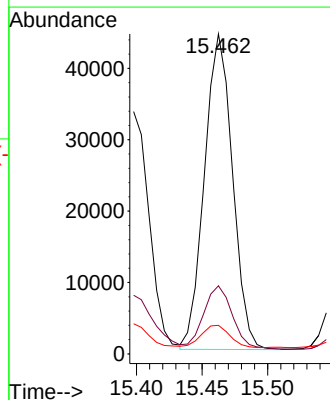
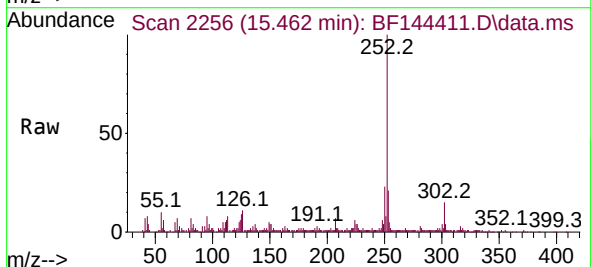
Delta R.T. -0.012 min

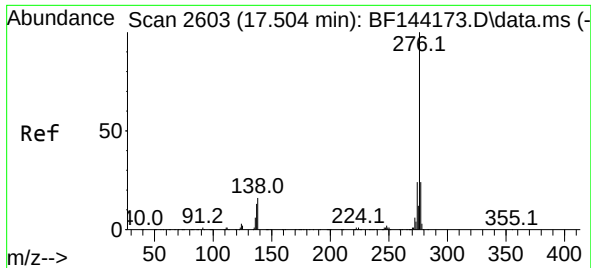
Lab File: BF144411.D

Acq: 02 Dec 2025 19:18

Tgt Ion:252 Resp: 65962

Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.7	25.1
125	8.9	5.7	8.5





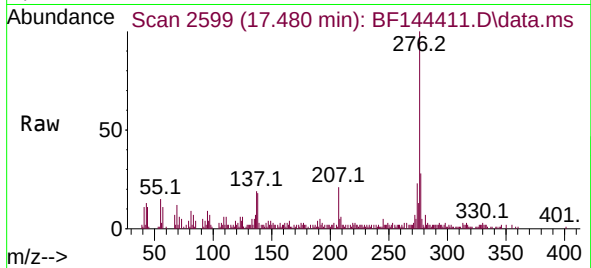
#92
Benzo(g,h,i)perylene
Concen: 6.436 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144411.D
Acq: 02 Dec 2025 19:18

Instrument :

BNA_F

ClientSampleId :

FENCE WC-2



Tgt Ion:276 Resp: 3515
Ion Ratio Lower Upper
276 100
277 27.8 19.0 28.4
138 17.8 12.9 19.3

Manual Integrations

APPROVED

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

