

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
 Data File : BF144422.D
 Acq On : 03 Dec 2025 16:35
 Operator : RC/JU
 Sample : Q3750-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FENCE WC-1DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 03 16:56:50 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	43498	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	150247	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	73329	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	120719	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	129444	20.000	ng	0.00
86) Perylene-d12	15.527	264	140391	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	34684	12.478	ng	0.00
7) Phenol-d6	6.504	99	37309	11.846	ng	0.00
23) Nitrobenzene-d5	7.422	82	21575	8.293	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	10310	11.204	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	51759	10.425	ng	-0.01
79) Terphenyl-d14	12.975	244	56455	6.928	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	98887	16.453	ng	99
72) Anthracene	11.469	178	27552	4.508	ng	98
75) Fluoranthene	12.610	202	251620	40.526	ng	99
78) Pyrene	12.839	202	270315	25.900	ng	98
81) Benzo(a)anthracene	14.033	228	190347	21.217	ng	96
83) Chrysene	14.069	228	162948	19.675	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	59795	5.933	ng	99
88) Benzo(b)fluoranthene	15.092	252	192748m	24.149	ng	
89) Benzo(k)fluoranthene	15.110	252	57717m	7.726	ng	
90) Benzo(a)pyrene	15.463	252	139825	18.990	ng	96
91) Dibenzo(a,h)anthracene	17.027	278	18872	2.332	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	57854	7.239	ng	98

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

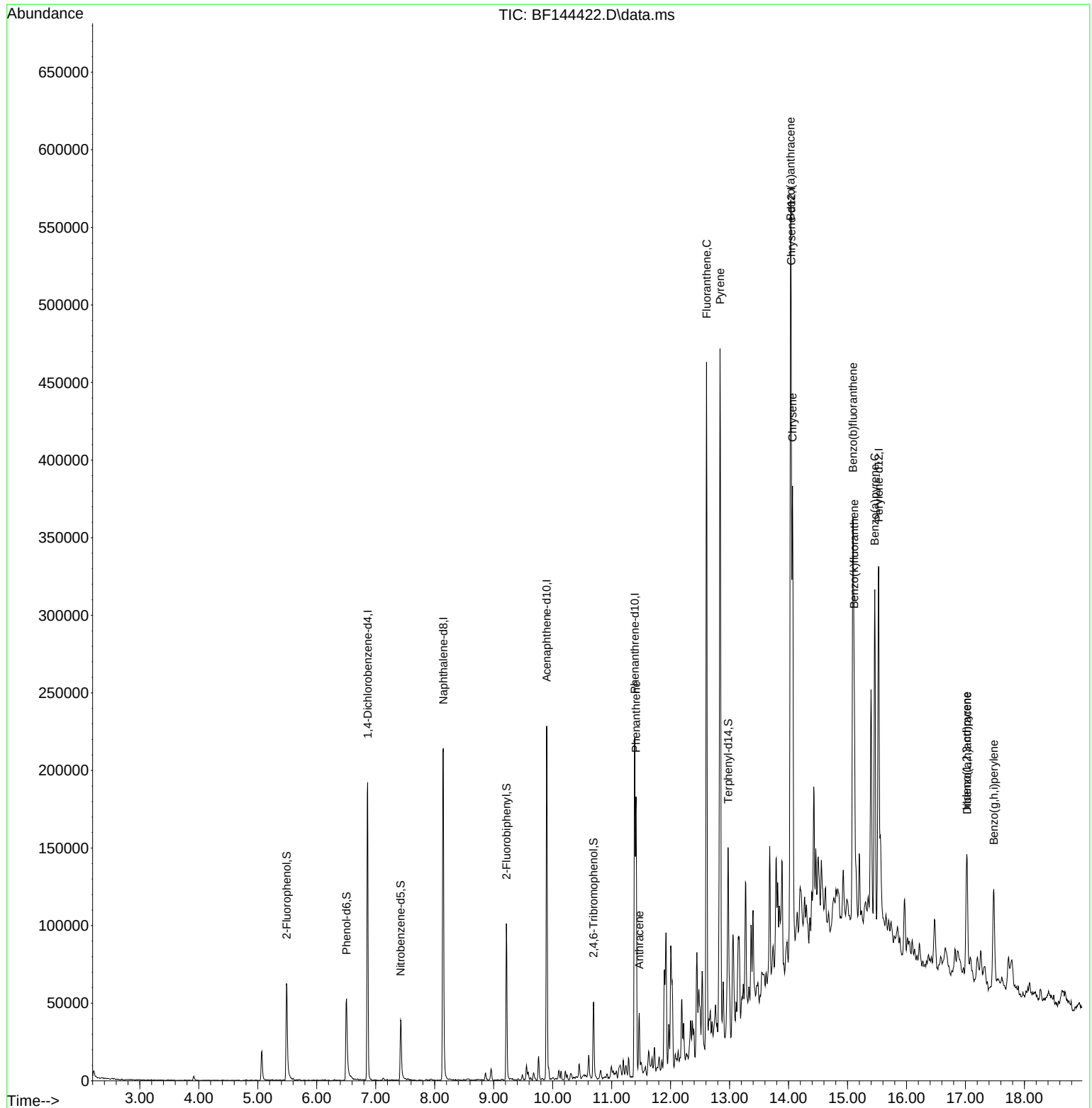
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
Data File : BF144422.D
Acq On : 03 Dec 2025 16:35
Operator : RC/JU
Sample : Q3750-01DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

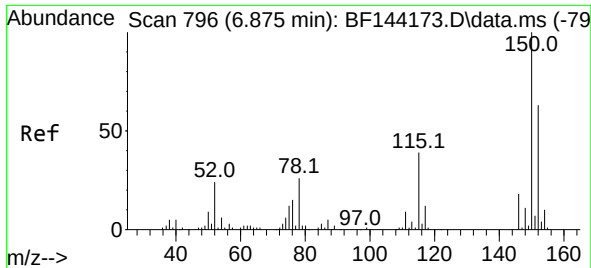
Instrument :
BNA_F
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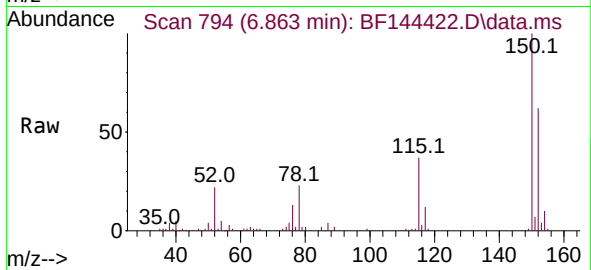
Quant Time: Dec 03 16:56:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

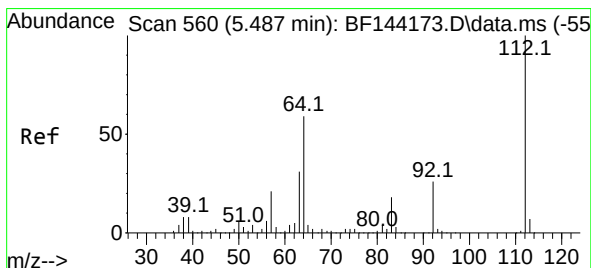
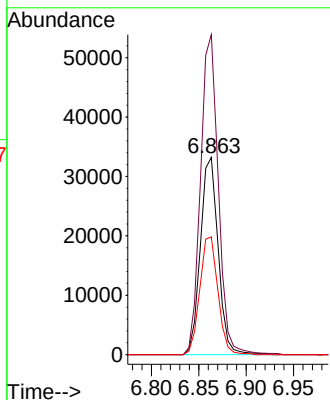
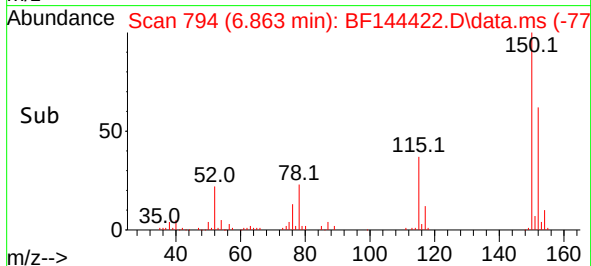
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1DL



Tgt Ion:152 Resp: 43498
Ion Ratio Lower Upper
152 100
150 162.2 127.4 191.0
115 59.7 49.5 74.3

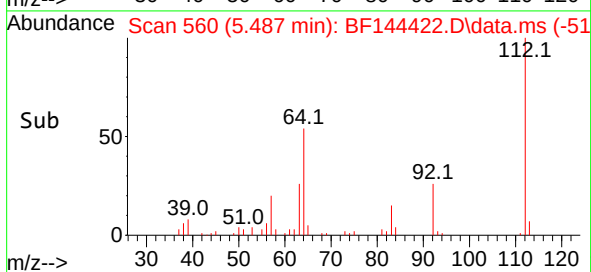
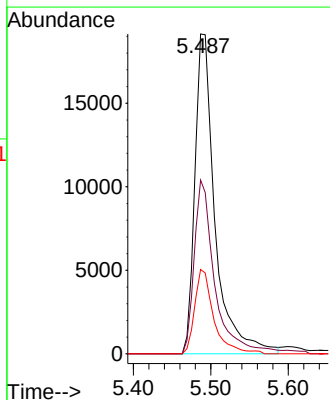
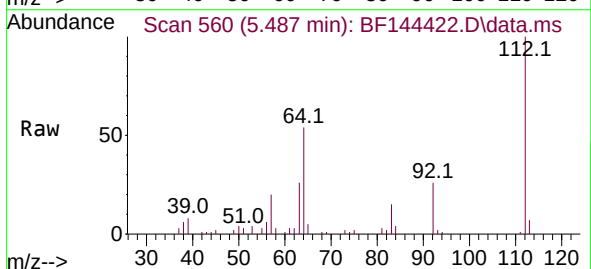
Manual Integrations
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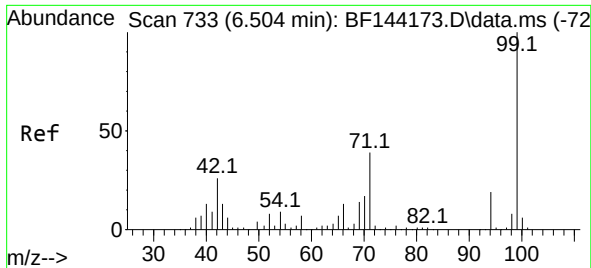
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#5
2-Fluorophenol
Concen: 12.478 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

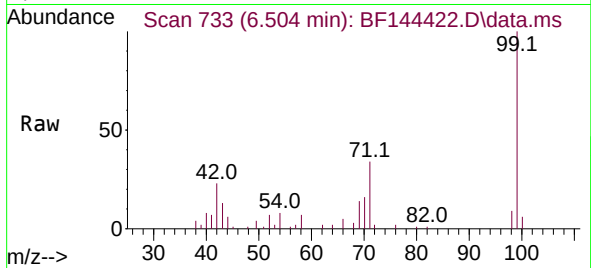
Tgt Ion:112 Resp: 34684
Ion Ratio Lower Upper
112 100
64 54.3 47.2 70.8
63 26.4 24.4 36.6





#7
Phenol-d6
Concen: 11.846 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

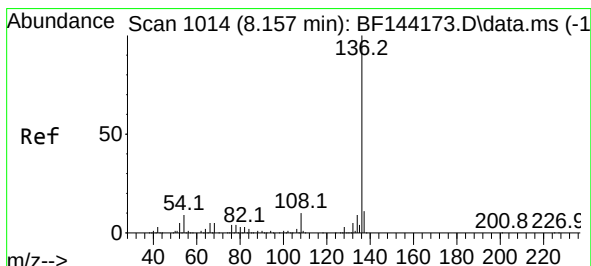
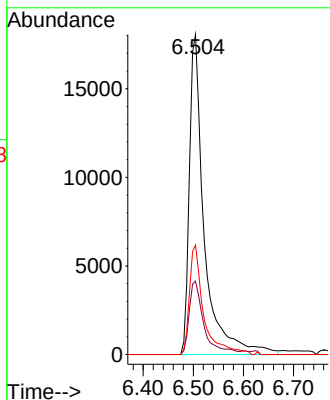
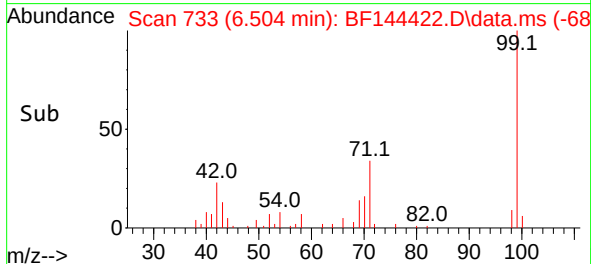
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1DL



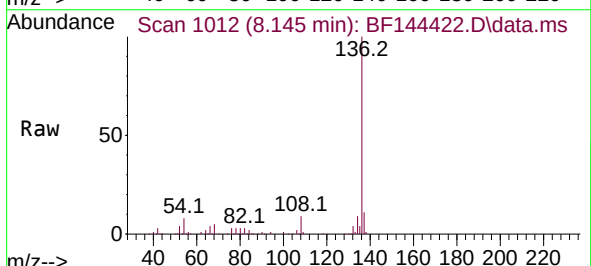
Tgt Ion: 99 Resp: 37309
Ion Ratio Lower Upper
99 100
42 23.0 20.9 31.3
71 34.2 31.4 47.2

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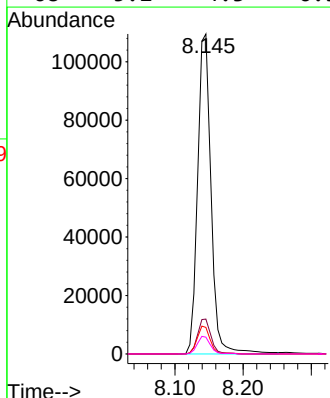
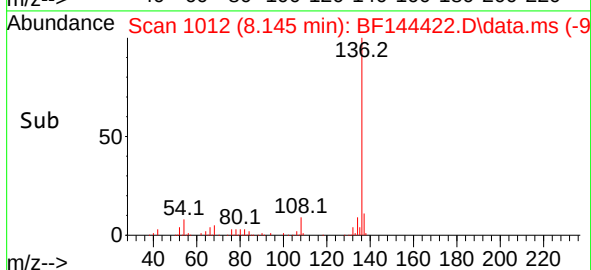
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

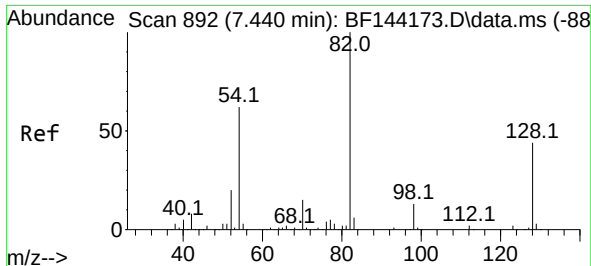


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35



Tgt Ion:136 Resp: 150247
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.6
68 5.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 8.293 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144422.D

Acq: 03 Dec 2025 16:35

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1DL

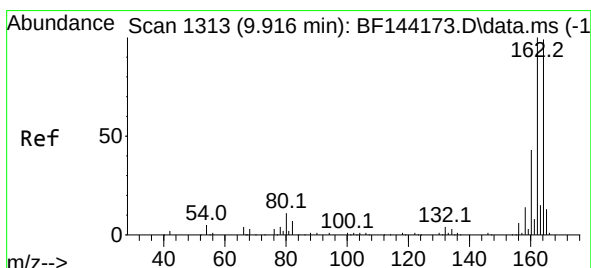
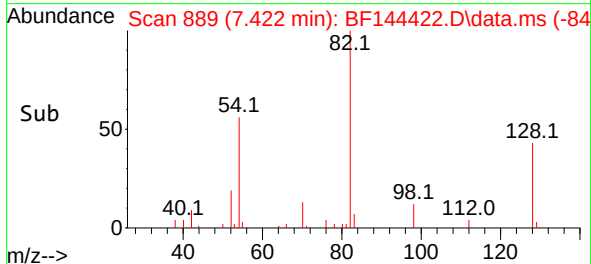
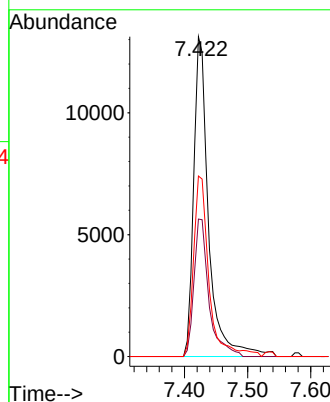
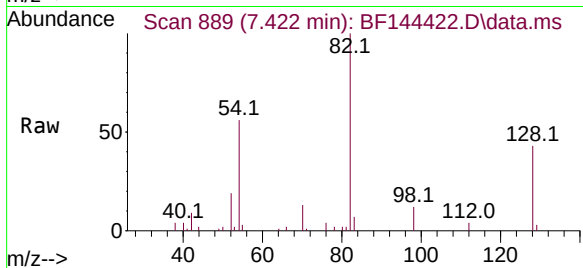
Tgt Ion: 82 Resp: 21575

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.7	52.1
54	56.4	49.5	74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

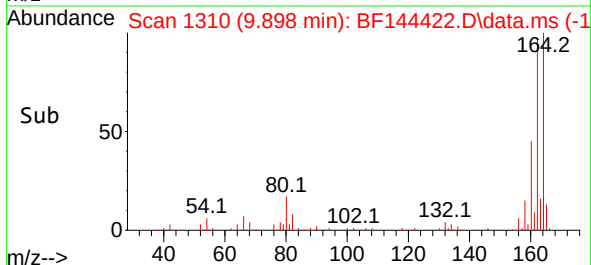
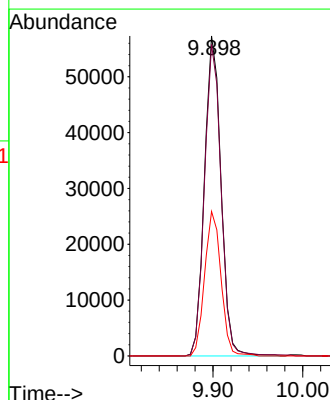
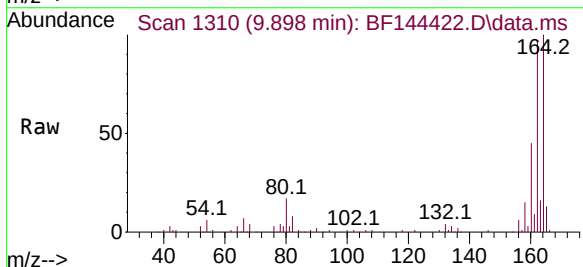
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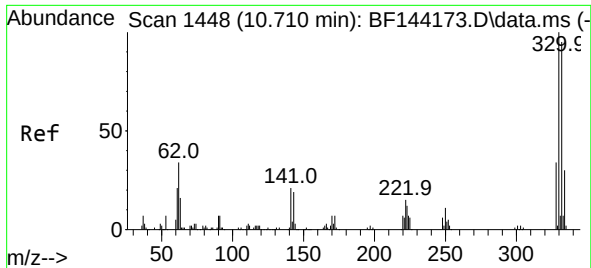
Lab File: BF144422.D

Acq: 03 Dec 2025 16:35

Tgt Ion:164 Resp: 73329

Ion	Ratio	Lower	Upper
164	100		
162	97.3	81.1	121.7
160	45.1	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 11.204 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

Instrument :

BNA_F

ClientSampleId :

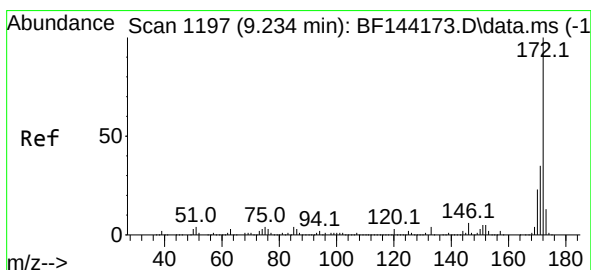
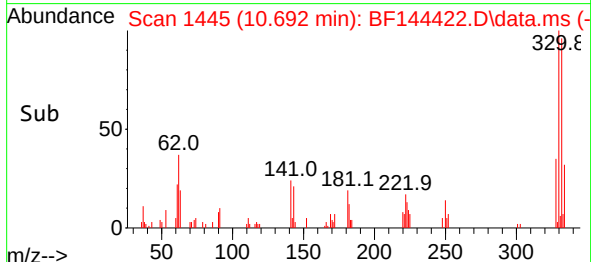
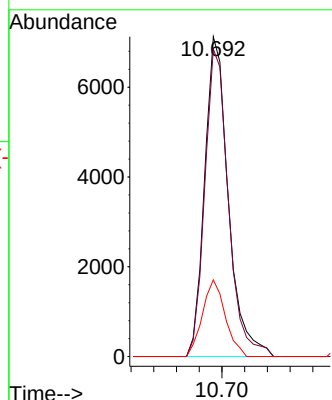
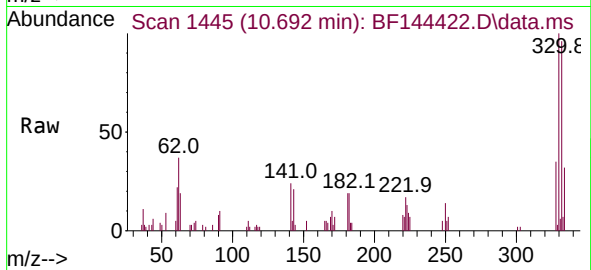
FENCE WC-1DL

Tgt Ion:330 Resp: 10310
Ion Ratio Lower Upper
330 100
332 95.8 76.7 115.1
141 23.1 17.8 26.8

Manual Integrations

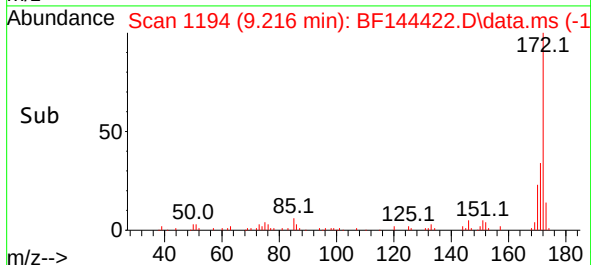
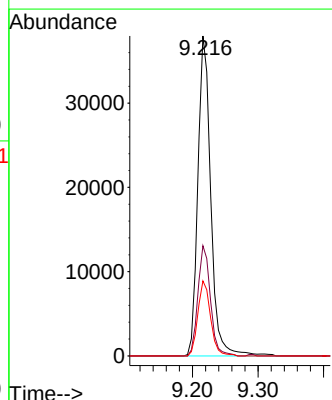
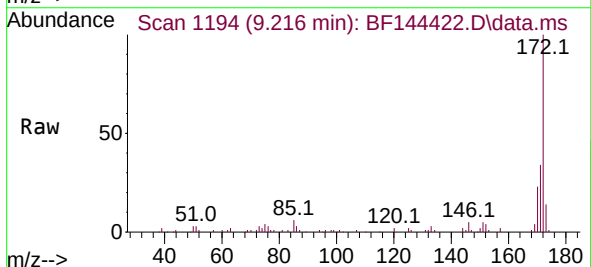
APPROVED

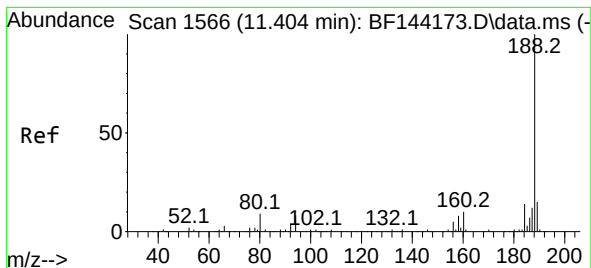
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#45
2-Fluorobiphenyl
Concen: 10.425 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

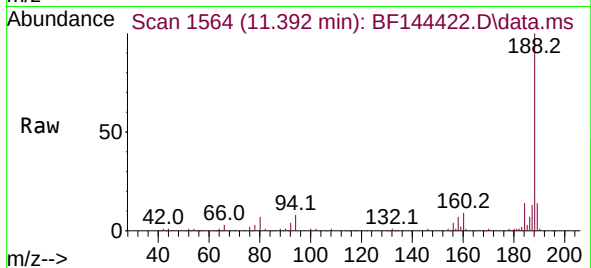
Tgt Ion:172 Resp: 51759
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.4 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

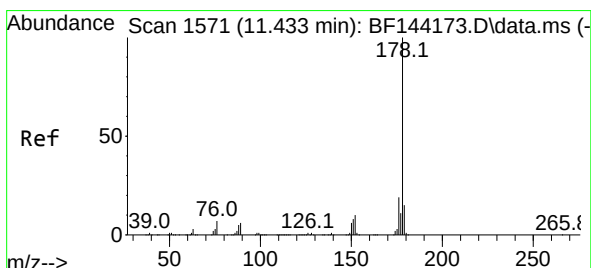
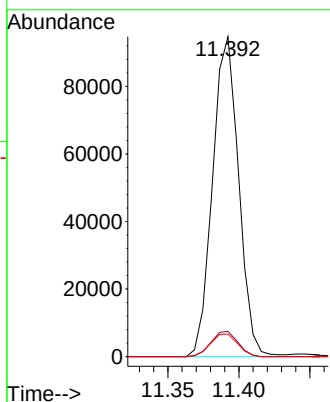
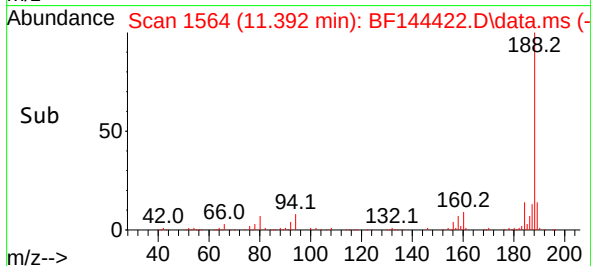
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1DL



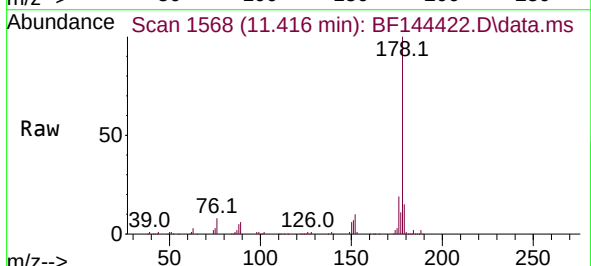
Tgt Ion:188 Resp: 120719
Ion Ratio Lower Upper
188 100
94 7.9 6.2 9.2
80 7.0 6.9 10.3

Manual Integrations
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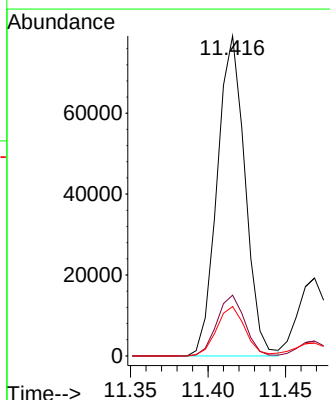
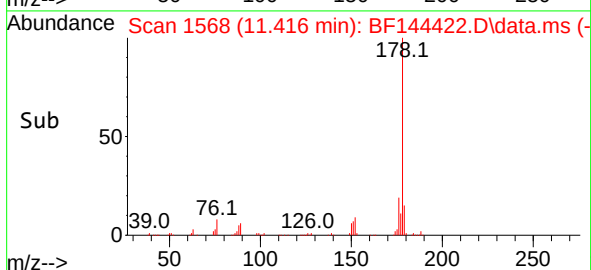
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

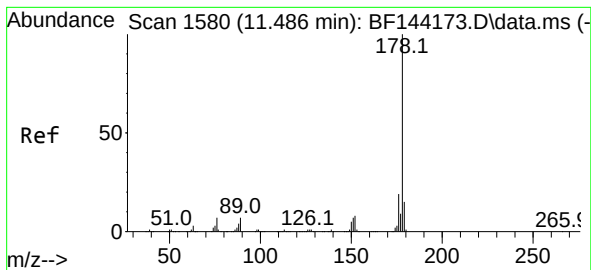


#71
Phenanthrene
Concen: 16.453 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35



Tgt Ion:178 Resp: 98887
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.2 18.4





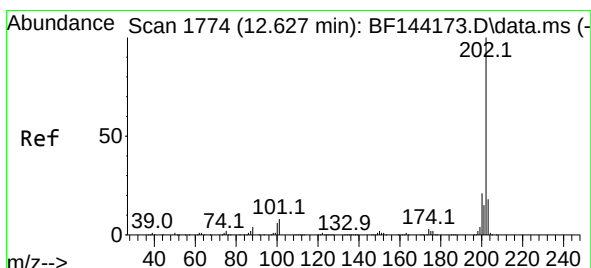
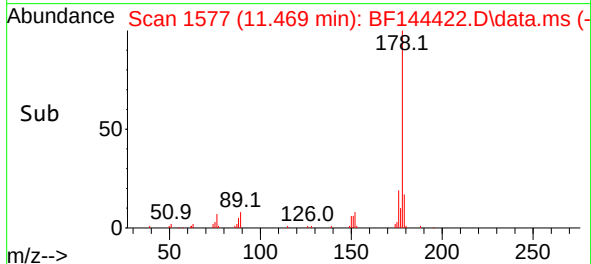
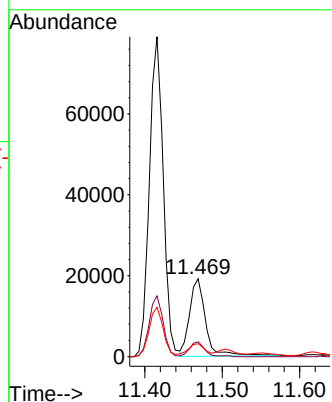
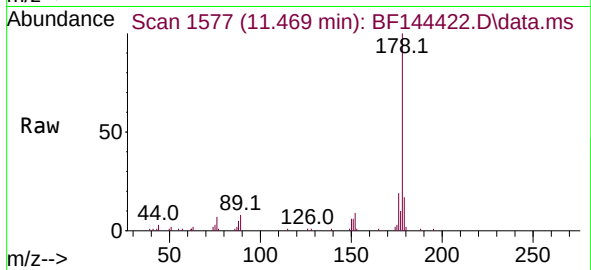
#72
 Anthracene
 Concen: 4.508 ng
 RT: 11.469 min Scan# 11469
 Delta R.T. -0.012 min
 Lab File: BF144422.D
 Acq: 03 Dec 2025 16:35

Instrument :
 BNA_F
 ClientSampleId :
 FENCE WC-1DL

Tgt Ion:178 Resp: 27552
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 16.7 12.0 18.0

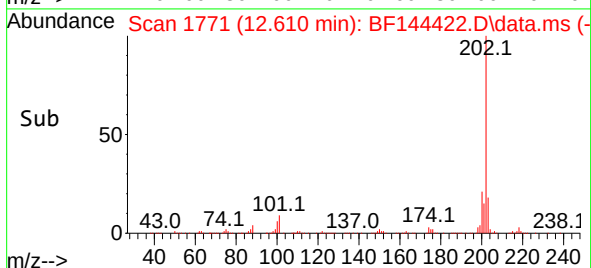
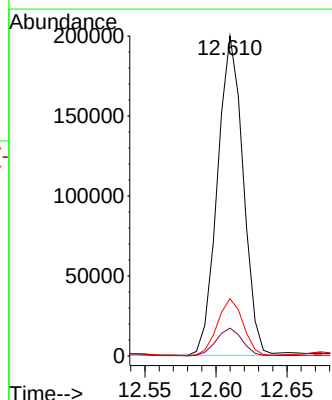
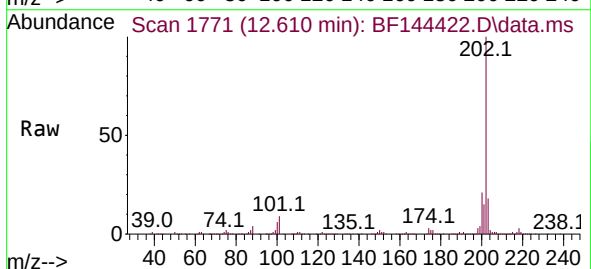
Manual Integrations
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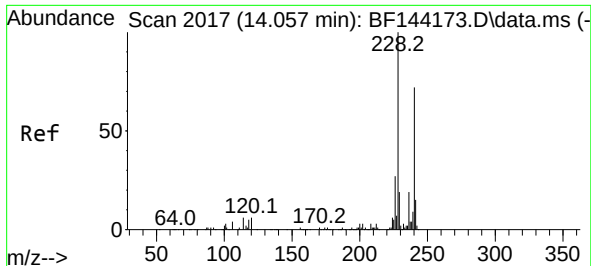
Reviewed By :Jagrut Upadhyay 12/04/2025
 Supervised By :mohammad ahmed 12/09/2025



#75
 Fluoranthene
 Concen: 40.526 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144422.D
 Acq: 03 Dec 2025 16:35

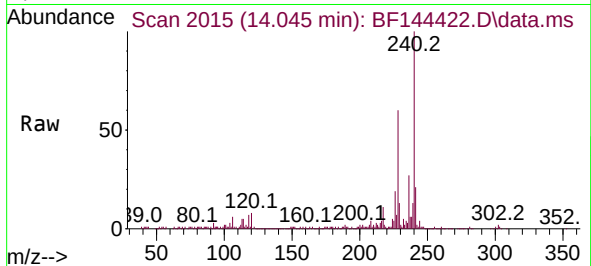
Tgt Ion:202 Resp: 251620
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 27.9
 203 17.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

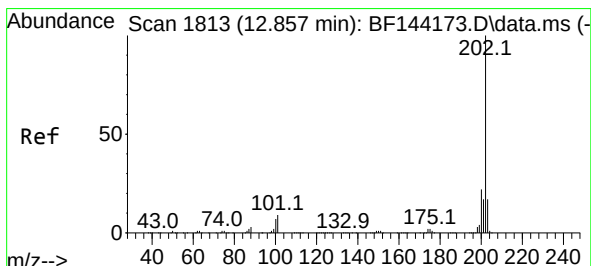
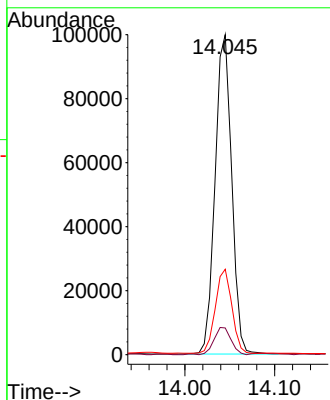
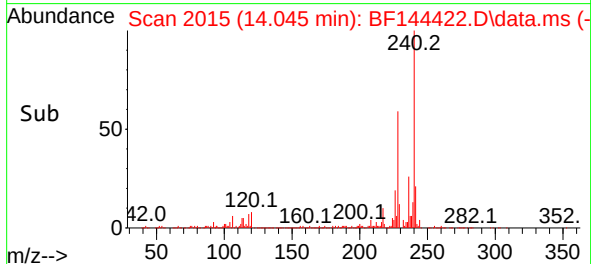
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1DL



Tgt Ion:240 Resp: 129444
Ion Ratio Lower Upper
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120 8.3 6.6 10.0
236 26.7 21.4 32.2

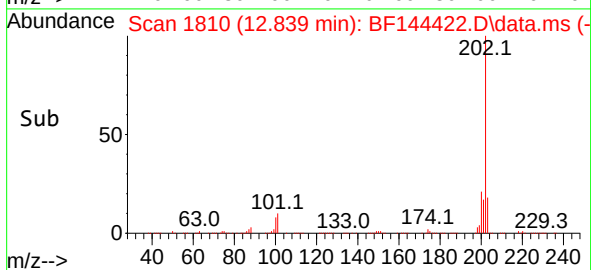
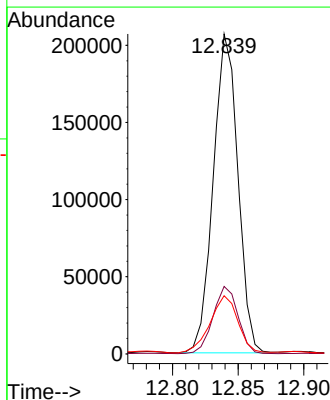
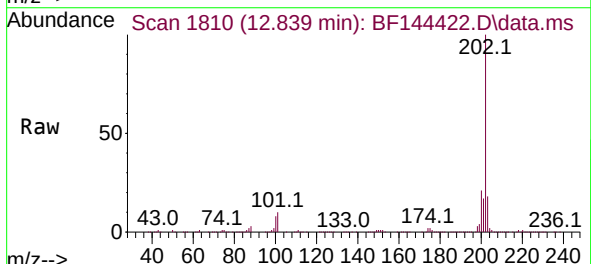
Manual Integrations
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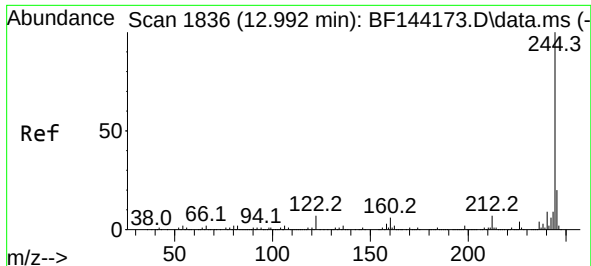
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#78
Pyrene
Concen: 25.900 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

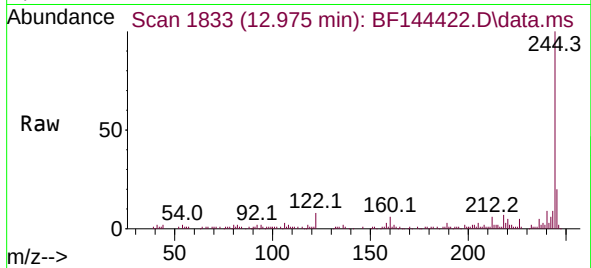
Tgt Ion:202 Resp: 270315
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 18.2 13.7 20.5





#79
 Terphenyl-d14
 Concen: 6.928 ng
 RT: 12.975 min Scan# 1833
 Delta R.T. -0.018 min
 Lab File: BF144422.D
 Acq: 03 Dec 2025 16:35

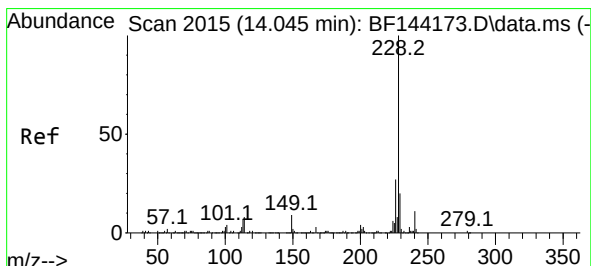
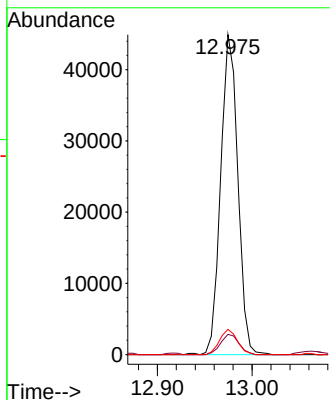
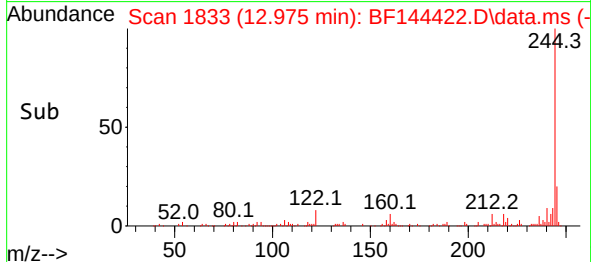
Instrument :
 BNA_F
 ClientSampleId :
 FENCE WC-1DL



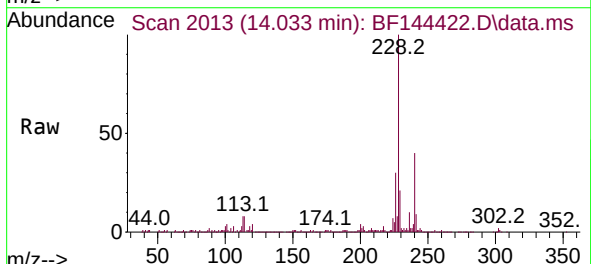
Tgt Ion:244 Resp: 56458
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 7.9 5.6 8.4

Manual Integrations
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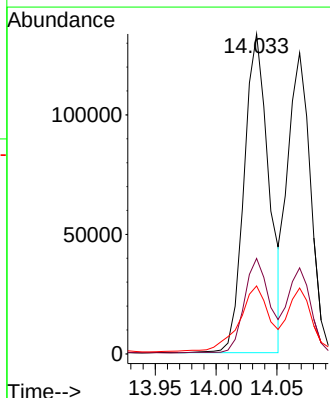
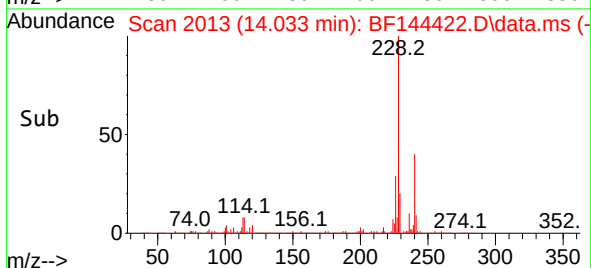
Reviewed By :Jagrut Upadhyay 12/04/2025
 Supervised By :mohammad ahmed 12/09/2025

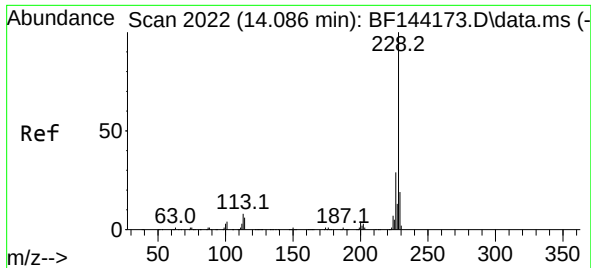


#81
 Benzo(a)anthracene
 Concen: 21.217 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144422.D
 Acq: 03 Dec 2025 16:35



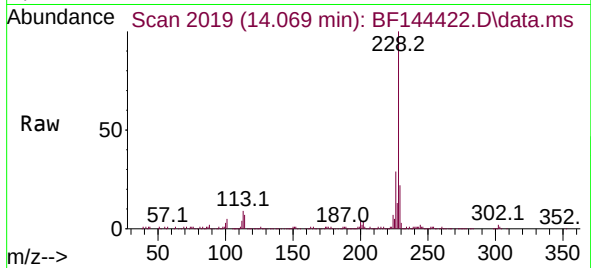
Tgt Ion:228 Resp: 190347
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.8 32.8
 229 21.2 15.8 23.6





#83
Chrysene
Concen: 19.675 ng
RT: 14.069 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

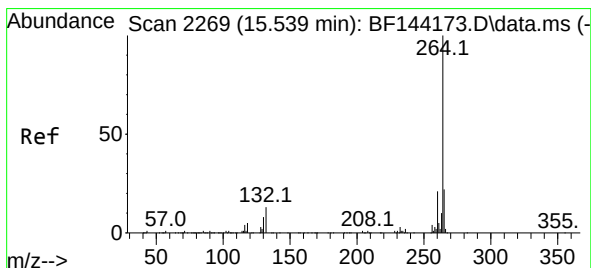
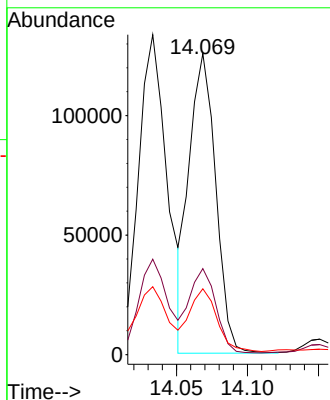
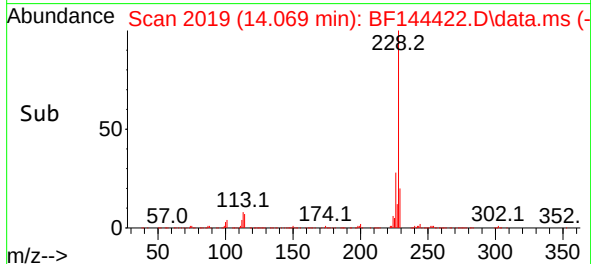
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1DL



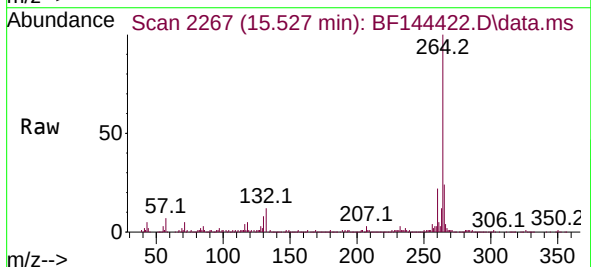
Tgt Ion:228 Resp: 162948
Ion Ratio Lower Upper
228 100
226 28.6 22.9 34.3
229 21.9 15.0 22.6

Manual Integrations
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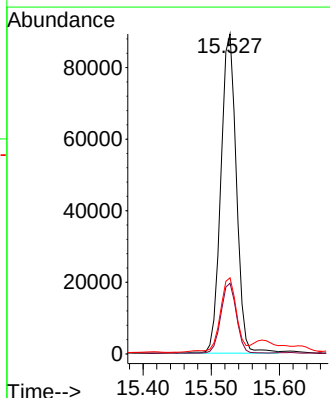
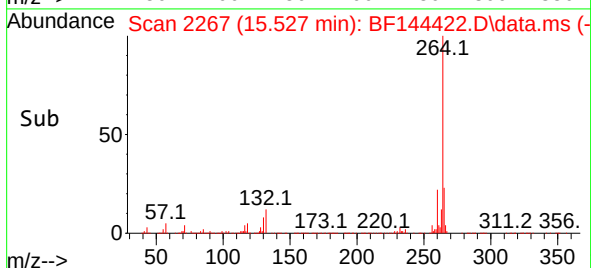
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

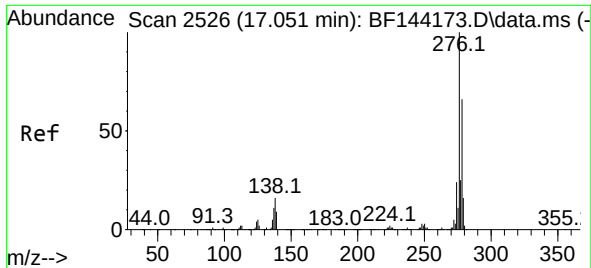


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35



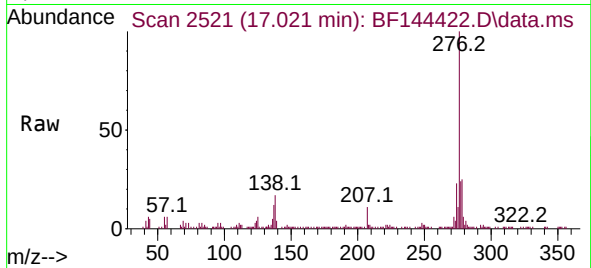
Tgt Ion:264 Resp: 140391
Ion Ratio Lower Upper
264 100
260 22.1 17.1 25.7
265 23.8 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.933 ng
RT: 17.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

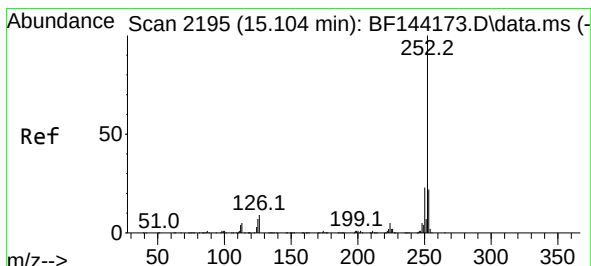
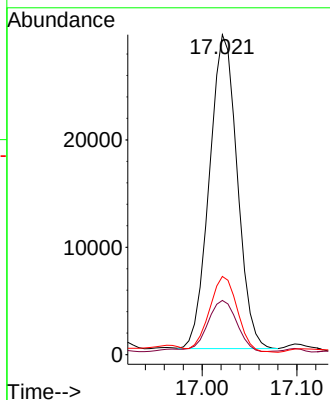
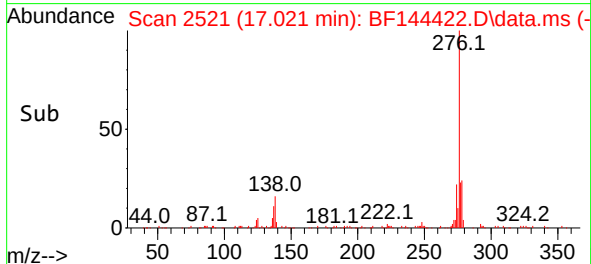
Instrument :
BNA_F
ClientSampleId :
FENCE WC-1DL



Tgt Ion: 276 Resp: 59795
Ion Ratio Lower Upper
276 100
138 17.9 13.9 20.9
277 24.4 19.8 29.6

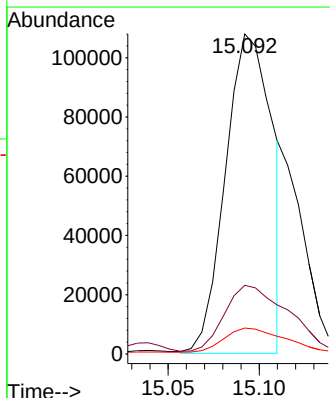
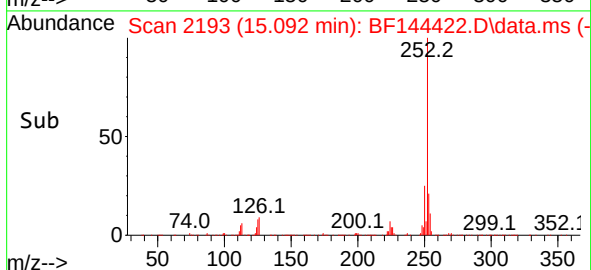
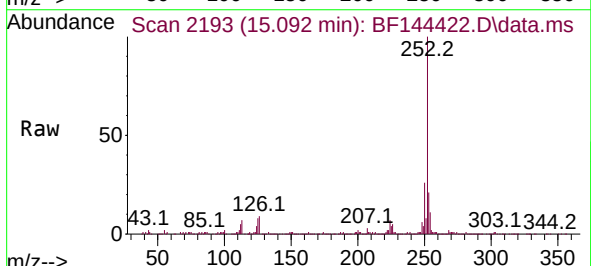
Manual Integrations
APPROVED

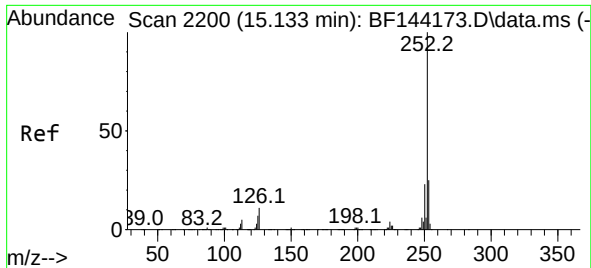
Reviewed By : Jagrut Upadhyay 12/04/2025
Supervised By : mohammad ahmed 12/09/2025



#88
Benzo(b)fluoranthene
Concen: 24.149 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144422.D
Acq: 03 Dec 2025 16:35

Tgt Ion: 252 Resp: 192748
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 8.1 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 7.726 ng m

RT: 15.110 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF144422.D

Acq: 03 Dec 2025 16:35

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1DL

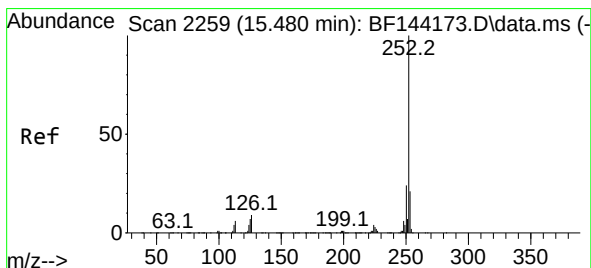
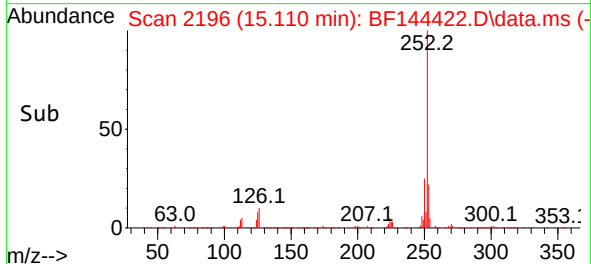
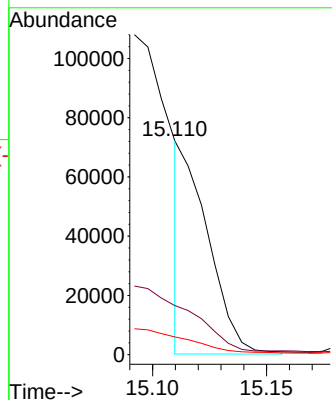
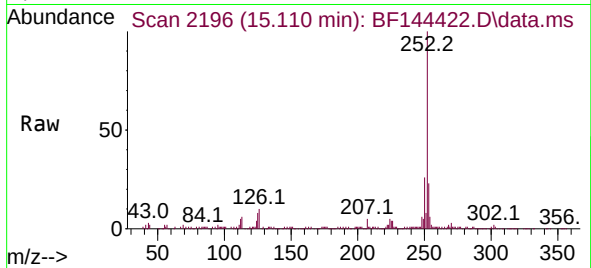
Tgt Ion:252 Resp: 5771

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	8.3	5.4	8.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#90

Benzo(a)pyrene

Concen: 18.990 ng

RT: 15.463 min Scan# 2256

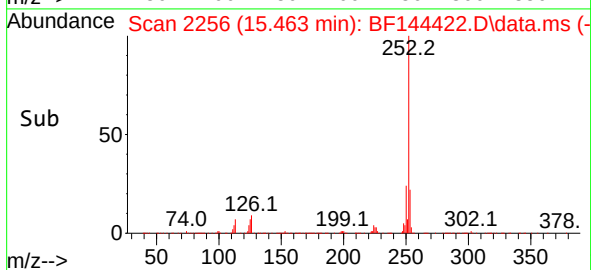
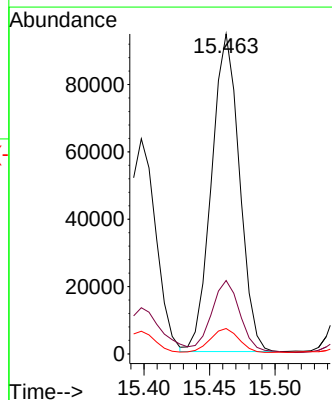
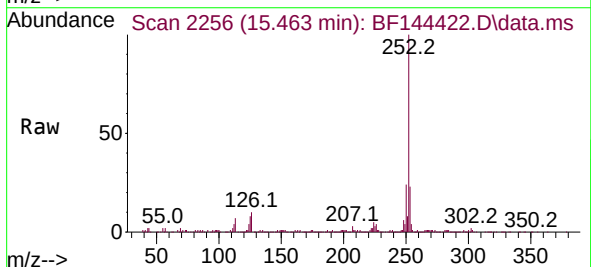
Delta R.T. -0.012 min

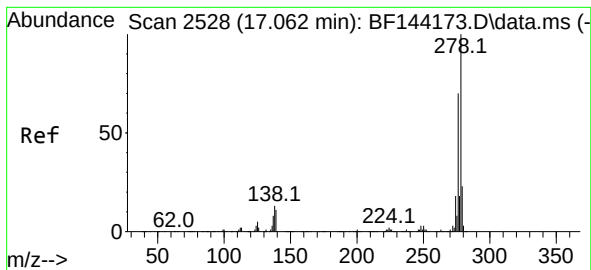
Lab File: BF144422.D

Acq: 03 Dec 2025 16:35

Tgt Ion:252 Resp: 139825

Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.7	25.1
125	7.9	5.7	8.5





#91

Dibenzo(a,h)anthracene

Concen: 2.332 ng

RT: 17.027 min Scan# 2522

Delta R.T. -0.024 min

Lab File: BF144422.D

Acq: 03 Dec 2025 16:35

Instrument :

BNA_F

ClientSampleId :

FENCE WC-1DL

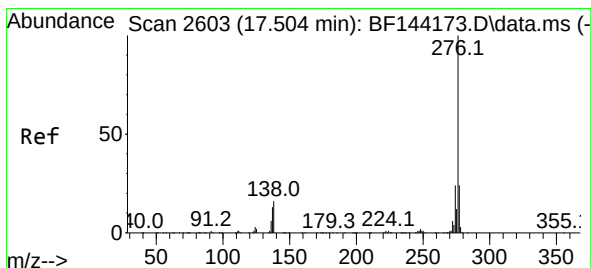
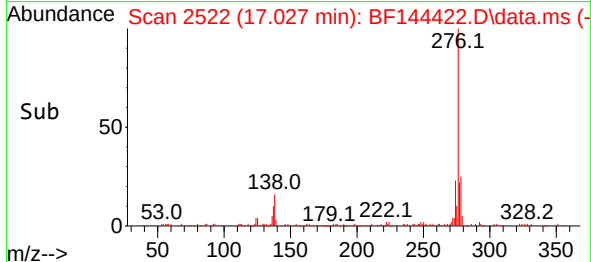
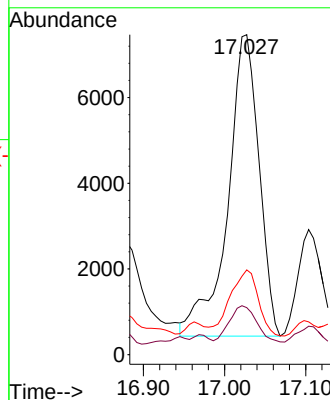
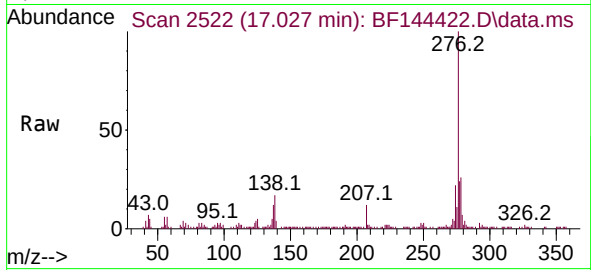
Tgt Ion:278 Resp: 18872

Ion	Ratio	Lower	Upper
278	100		
139	14.7	9.1	13.7
279	26.5	18.2	27.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#92

Benzo(g,h,i)perylene

Concen: 7.239 ng

RT: 17.480 min Scan# 2599

Delta R.T. -0.012 min

Lab File: BF144422.D

Acq: 03 Dec 2025 16:35

Tgt Ion:276 Resp: 57854

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.4
138	16.9	12.9	19.3

