

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144389.D
 Acq On : 01 Dec 2025 16:14
 Operator : RC/JU
 Sample : Q3725-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-SAMPLES

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 16:55:11 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	55052	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	209511	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	102395	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	156977	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	146808	20.000	ng	0.00
86) Perylene-d12	15.527	264	162341	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293214	83.347	ng	0.00
7) Phenol-d6	6.498	99	333990	83.788	ng	0.00
23) Nitrobenzene-d5	7.422	82	210909	58.140	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	90590	70.501	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	409821	59.112	ng	-0.01
79) Terphenyl-d14	12.980	244	408564	44.205	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.610	202	38217	4.734	ng	98
78) Pyrene	12.839	202	35160	2.970	ng	98
81) Benzo(a)anthracene	14.033	228	23452m	2.305	ng	
83) Chrysene	14.069	228	22931	2.441	ng	94
88) Benzo(b)fluoranthene	15.092	252	38424m	4.163	ng	
90) Benzo(a)pyrene	15.463	252	22631	2.658	ng	# 89

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

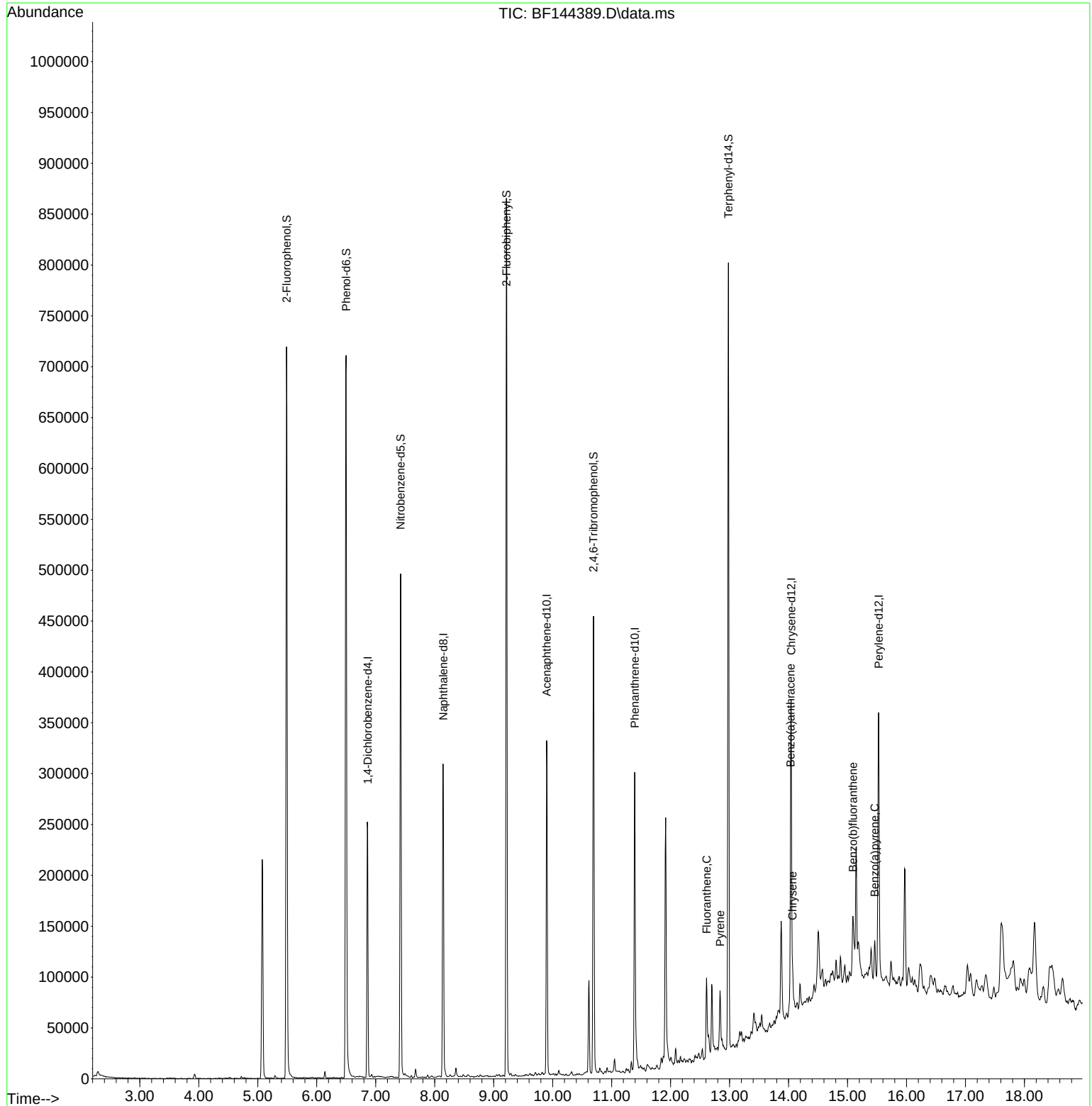
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144389.D
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ALS Vial : 9 Sample Multiplier: 1

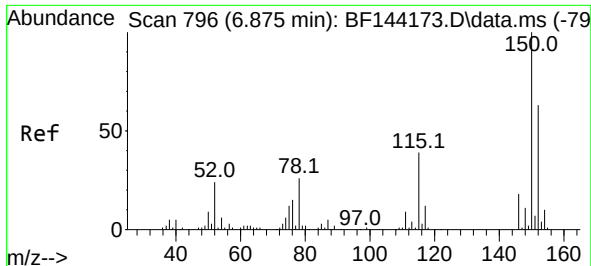
Instrument :
BNA_F
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STOCKPILE-SAMPLES

Quant Time: Dec 01 16:55:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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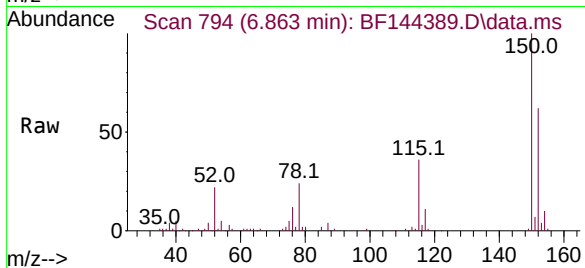
Reviewed By :Jagrut Upadhyay 12/02/2025
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

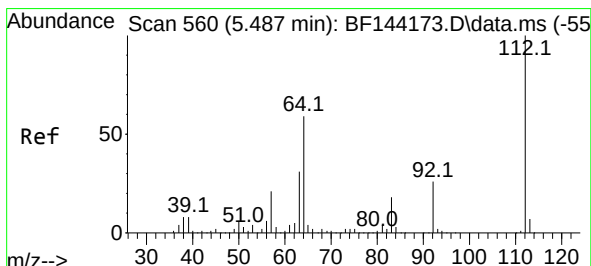
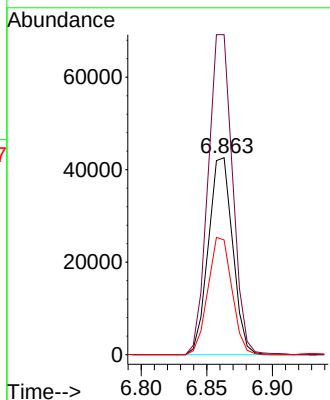
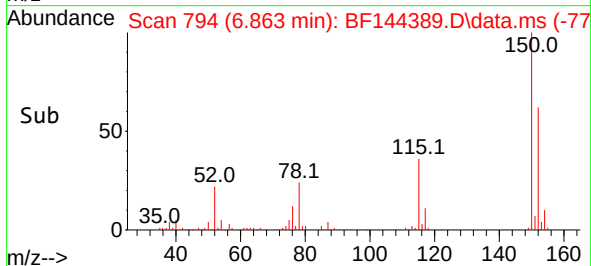
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-SAMPLES



Tgt Ion:152 Resp: 55052
Ion Ratio Lower Upper
152 100
150 162.6 127.4 191.0
115 58.3 49.5 74.3

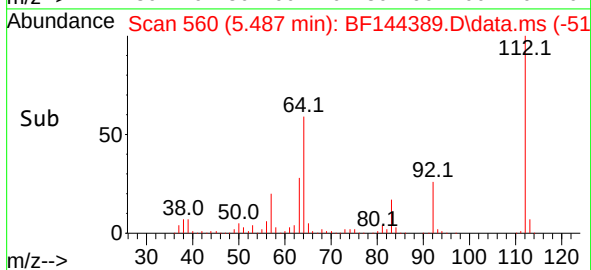
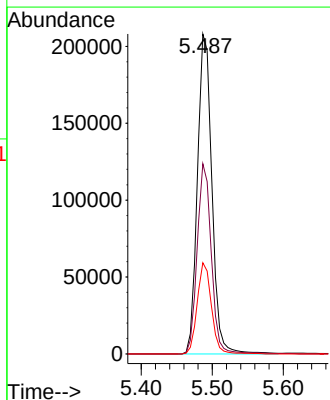
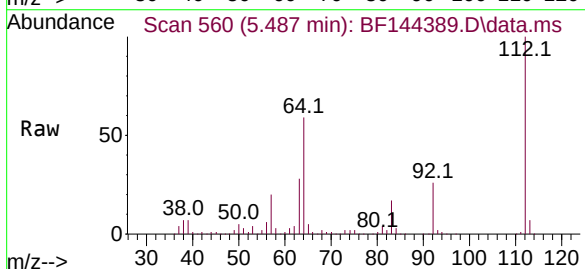
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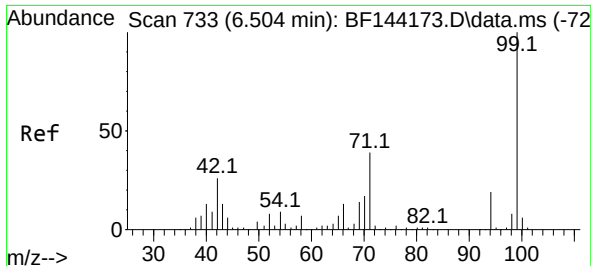
Reviewed By :Jagrut Upadhyay 12/02/2025
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#5
2-Fluorophenol
Concen: 83.347 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

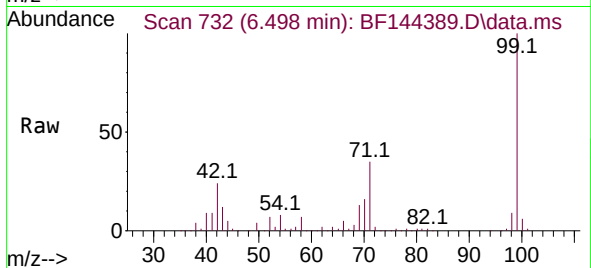
Tgt Ion:112 Resp: 293214
Ion Ratio Lower Upper
112 100
64 59.4 47.2 70.8
63 28.5 24.4 36.6





#7
Phenol-d6
Concen: 83.788 ng
RT: 6.498 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

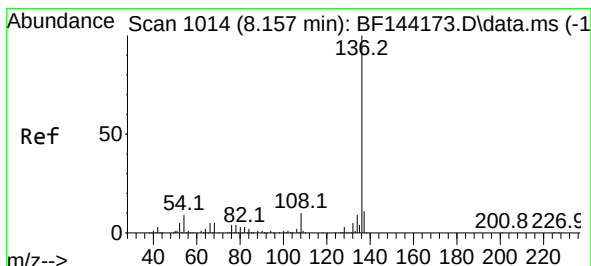
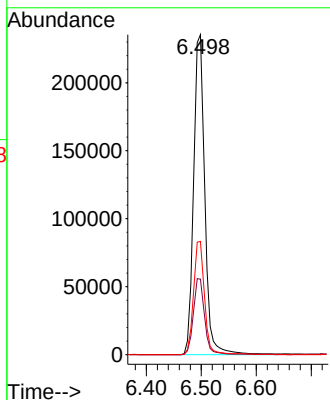
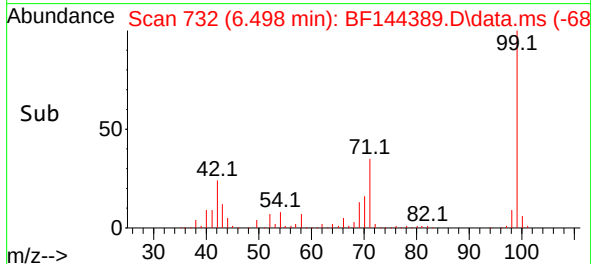
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-SAMPLES



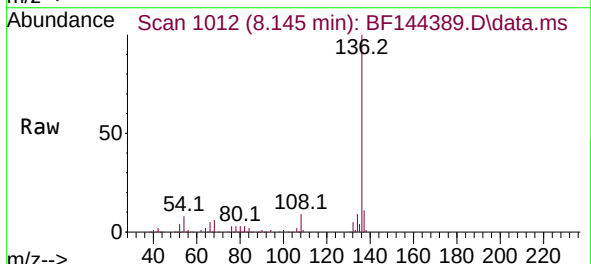
Tgt Ion: 99 Resp: 333990
Ion Ratio Lower Upper
99 100
42 23.6 20.9 31.3
71 35.4 31.4 47.2

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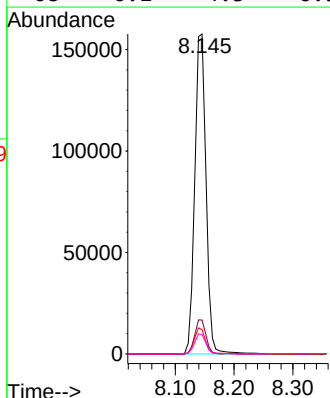
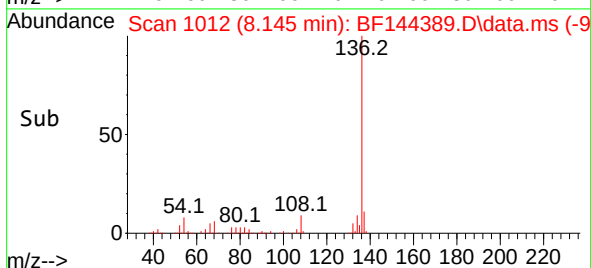
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

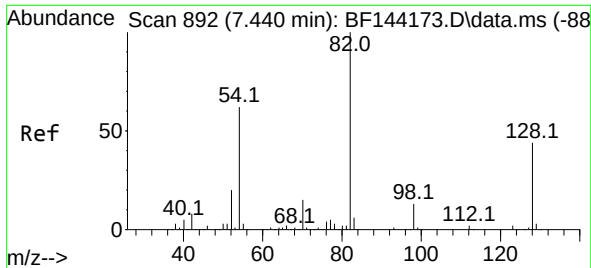


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14



Tgt Ion:136 Resp: 209511
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.6 7.0 10.6
68 6.1 4.3 6.5





#23

Nitrobenzene-d5

Concen: 58.140 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144389.D

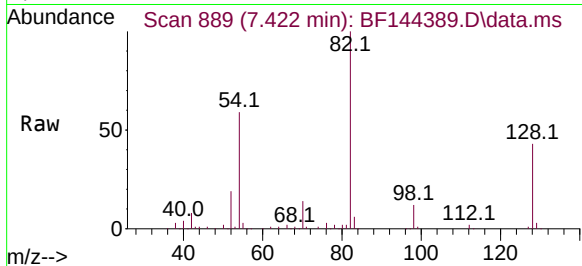
Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-SAMPLES



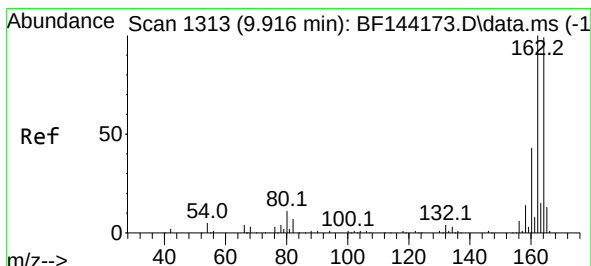
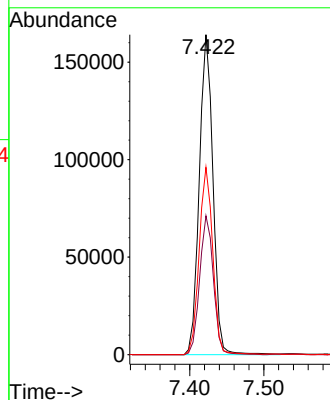
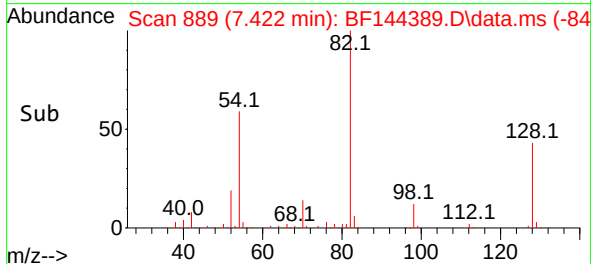
Tgt Ion: 82 Resp: 210909

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.7	52.1
54	58.5	49.5	74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

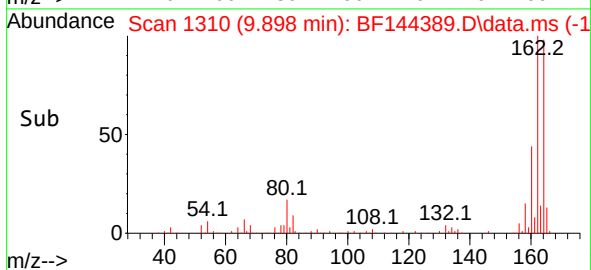
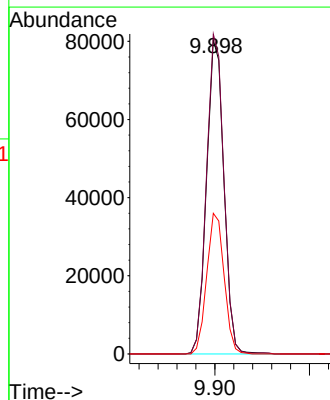
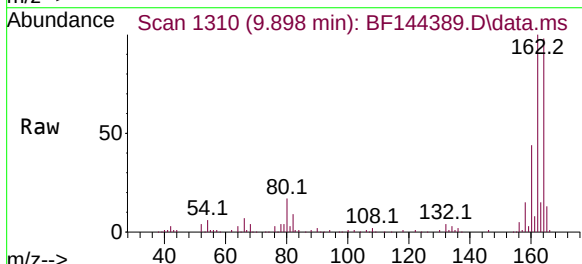
Delta R.T. -0.018 min

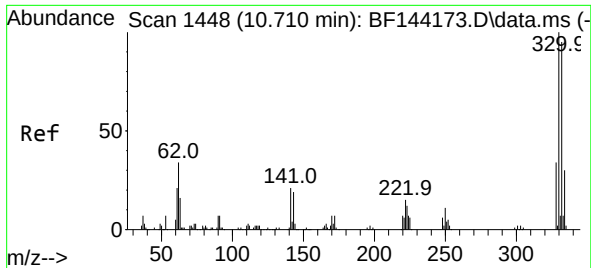
Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

Tgt Ion:164 Resp: 102395

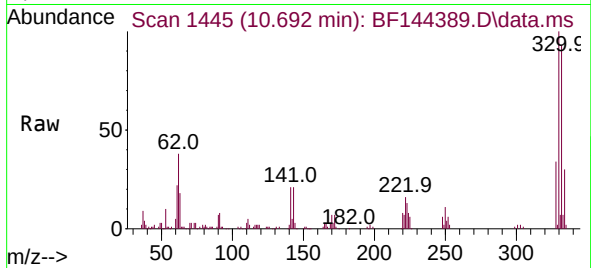
Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.1	121.7
160	44.8	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 70.501 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

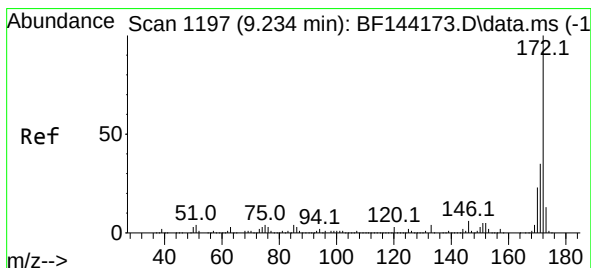
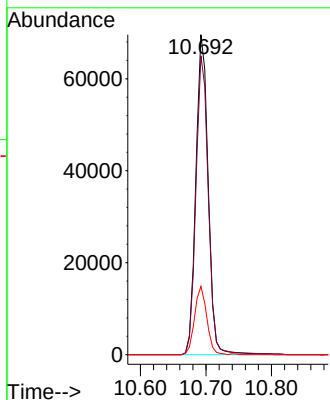
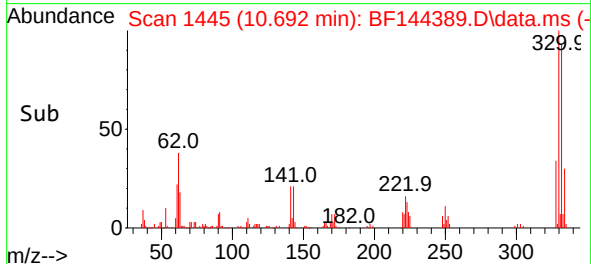
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-SAMPLES



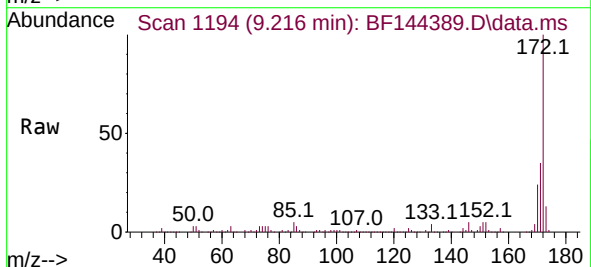
Tgt Ion:330 Resp: 90590
Ion Ratio Lower Upper
330 100
332 93.8 76.7 115.1
141 21.1 17.8 26.8

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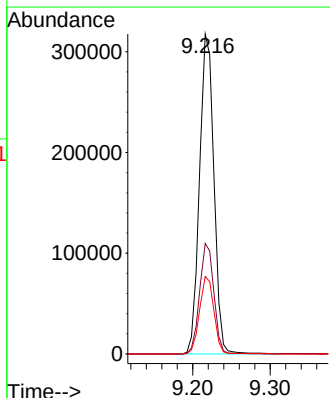
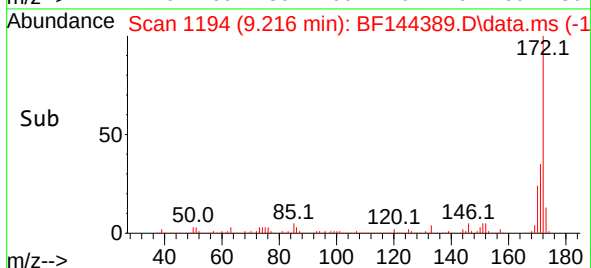
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

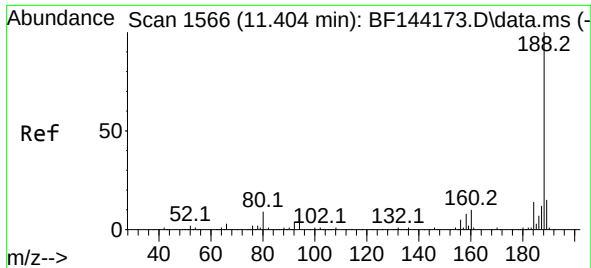


#45
2-Fluorobiphenyl
Concen: 59.112 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14



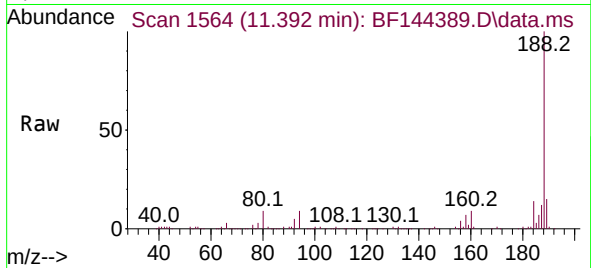
Tgt Ion:172 Resp: 409821
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 24.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

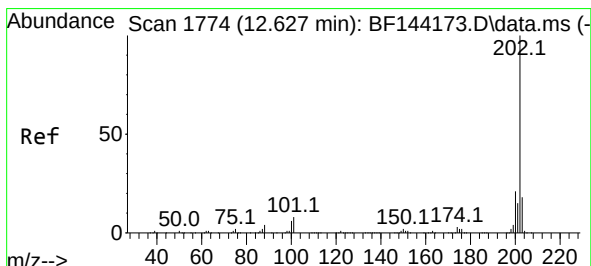
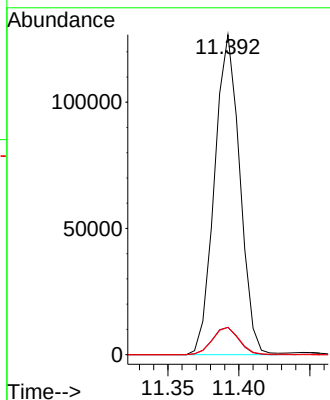
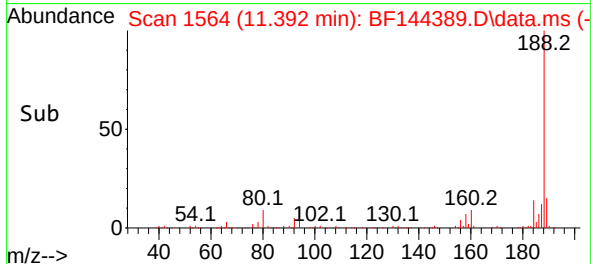
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-SAMPLES



Tgt Ion:188 Resp: 156972
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 8.5 6.9 10.3

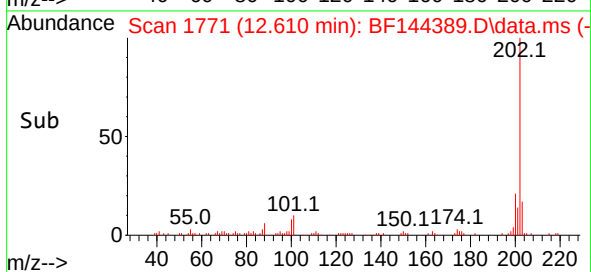
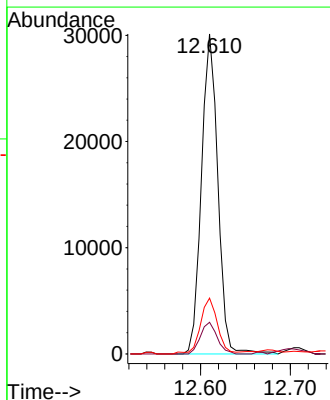
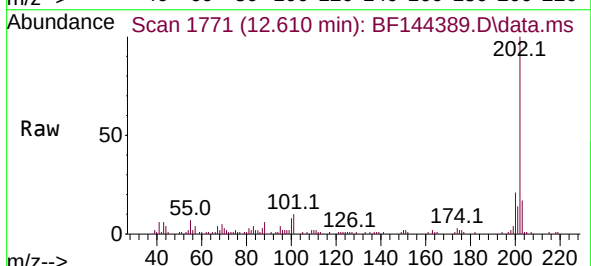
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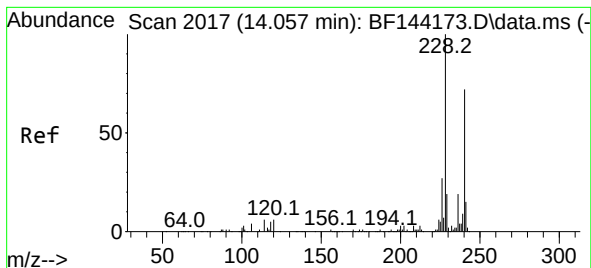
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#75
Fluoranthene
Concen: 4.734 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

Tgt Ion:202 Resp: 38217
Ion Ratio Lower Upper
202 100
101 9.9 0.0 27.9
203 17.4 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: BF144389.D

Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-SAMPLES

Tgt Ion:240 Resp: 146808

Ion Ratio Lower Upper

240 100

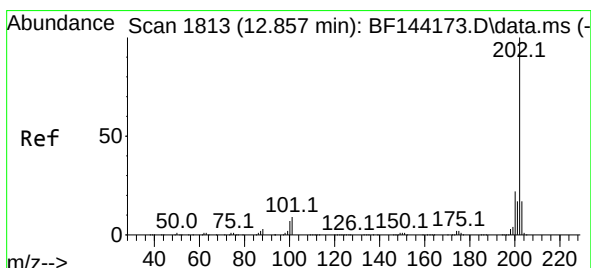
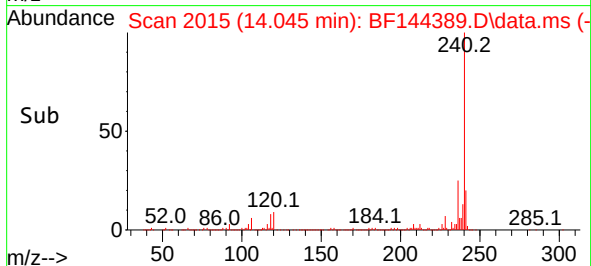
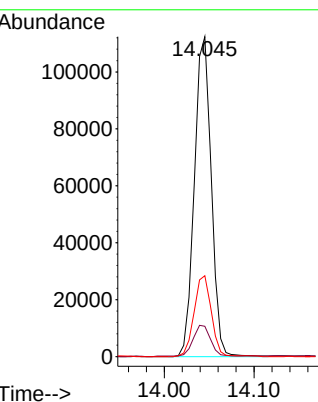
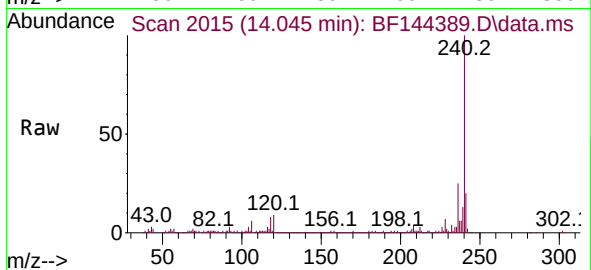
120 9.5 6.6 10.0

236 25.3 21.4 32.2

Manual Integrations

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#78

Pyrene

Concen: 2.970 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

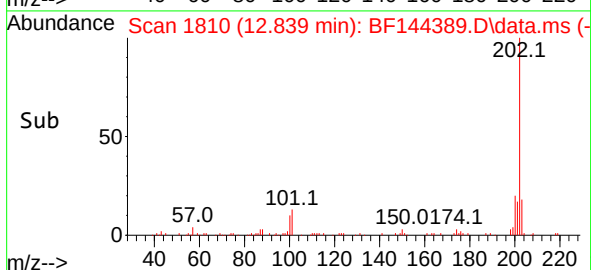
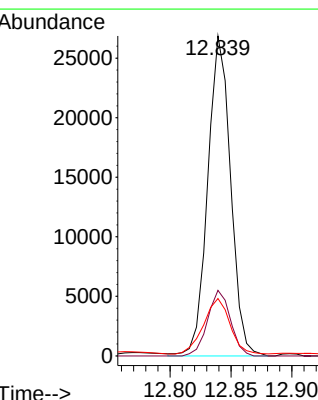
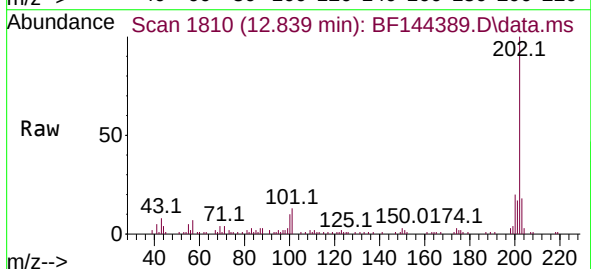
Tgt Ion:202 Resp: 35160

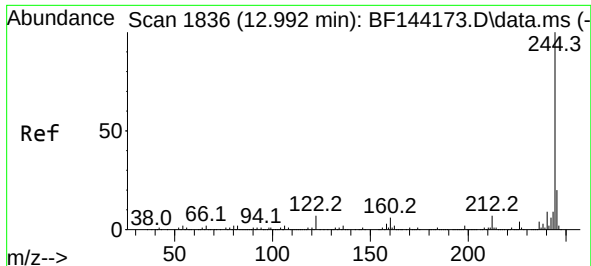
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

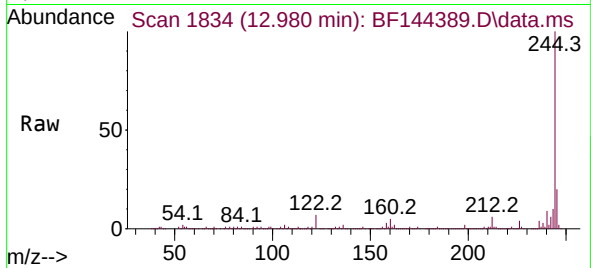
203 17.9 13.7 20.5





#79
 Terphenyl-d14
 Concen: 44.205 ng
 RT: 12.980 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF144389.D
 Acq: 01 Dec 2025 16:14

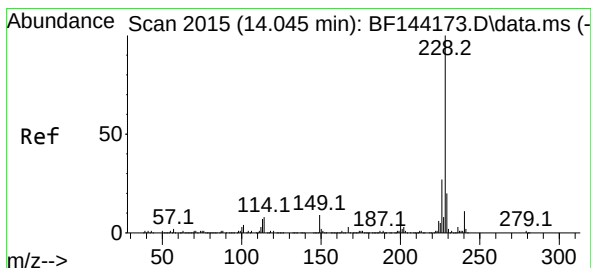
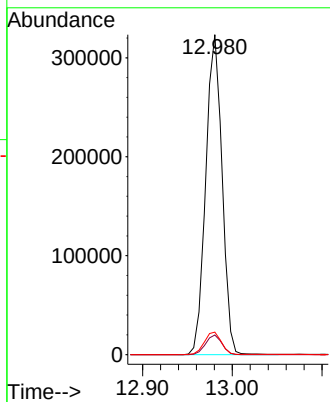
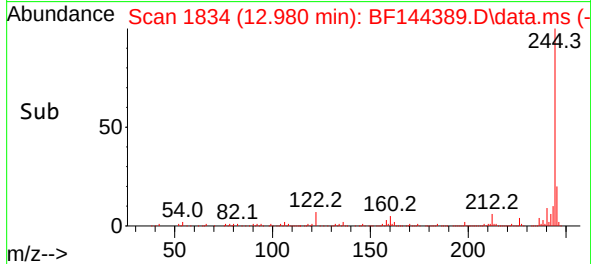
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-SAMPLES



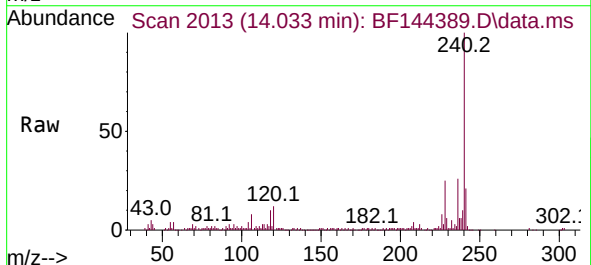
Tgt Ion:244 Resp: 408564
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.3 7.9
 122 7.0 5.6 8.4

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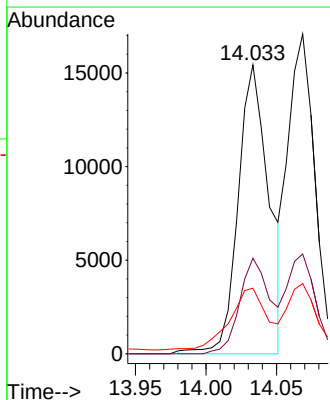
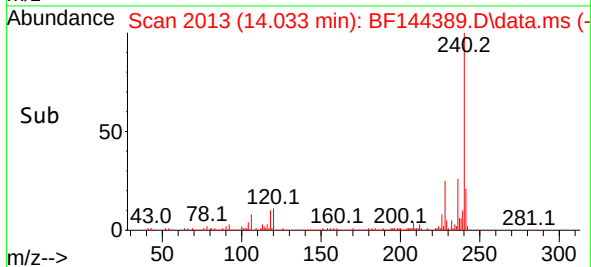
Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

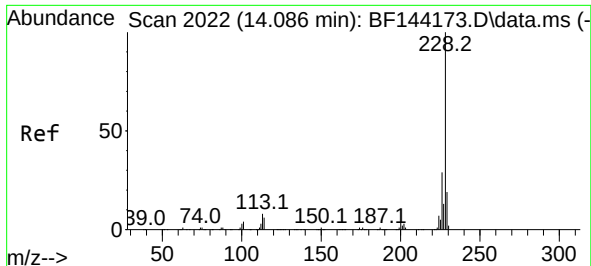


#81
 Benzo(a)anthracene
 Concen: 2.305 ng m
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144389.D
 Acq: 01 Dec 2025 16:14



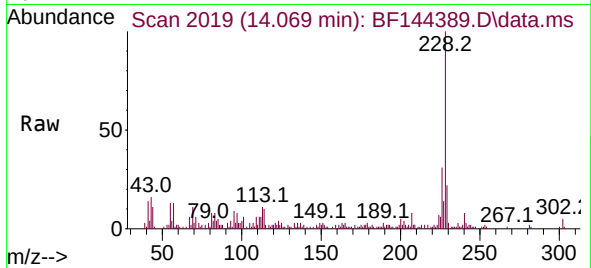
Tgt Ion:228 Resp: 23452
 Ion Ratio Lower Upper
 228 100
 226 33.1 21.8 32.8#
 229 22.7 15.8 23.6





#83
Chrysene
Concen: 2.441 ng
RT: 14.069 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

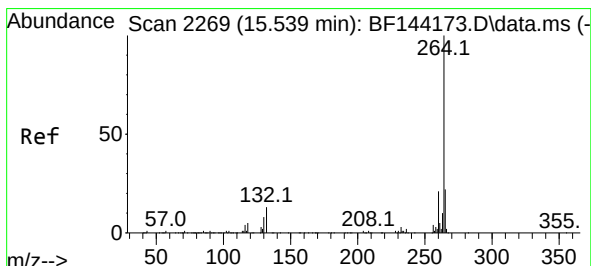
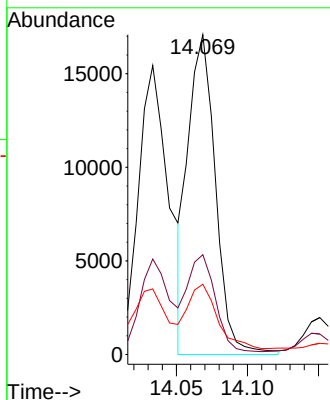
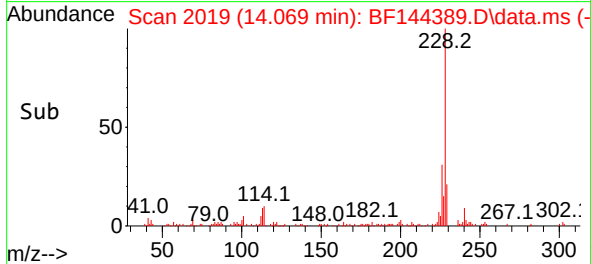
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-SAMPLES



Tgt Ion:228 Resp: 22931
Ion Ratio Lower Upper
228 100
226 31.2 22.9 34.3
229 22.0 15.0 22.6

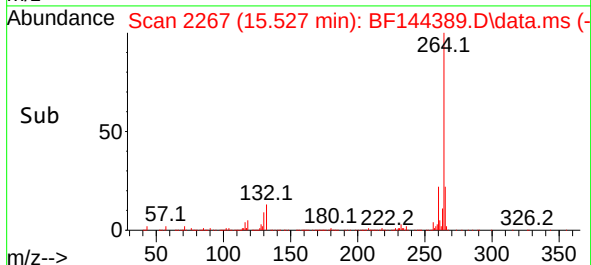
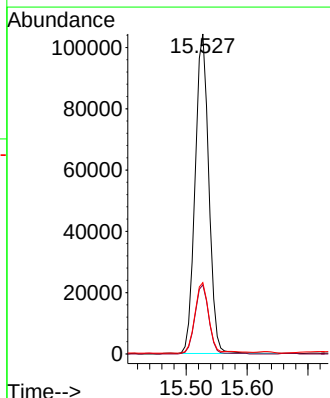
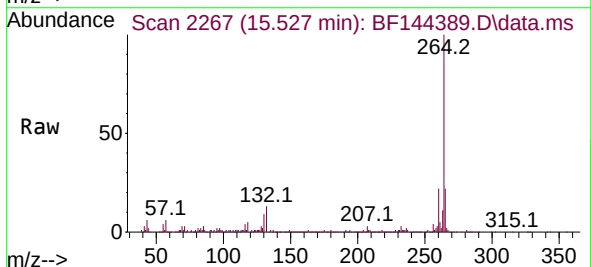
Manual Integrations
APPROVED

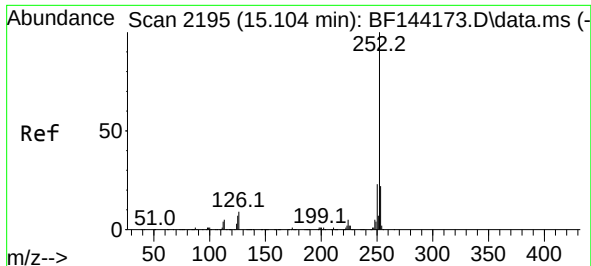
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

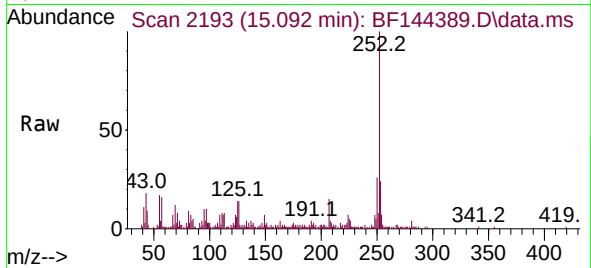
Tgt Ion:264 Resp: 162341
Ion Ratio Lower Upper
264 100
260 21.6 17.1 25.7
265 22.3 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 4.163 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

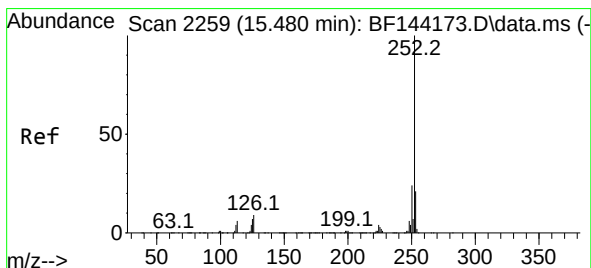
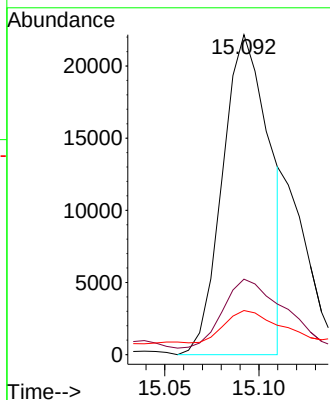
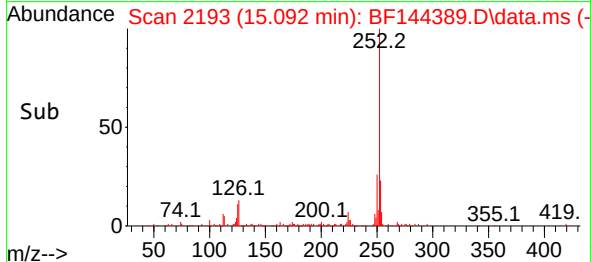
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-SAMPLES



Tgt Ion:252 Resp: 38424
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 13.8 5.3 7.9

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 2.658 ng
RT: 15.463 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

Tgt Ion:252 Resp: 22631
Ion Ratio Lower Upper
252 100
253 25.4 16.7 25.1#
125 11.9 5.7 8.5#

