

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144395.D
 Acq On : 01 Dec 2025 19:11
 Operator : RC/JU
 Sample : Q3719-14 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17B

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 00:10:31 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	64196	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	226428	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	117202	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	208690	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	174001	20.000	ng	0.00
86) Perylene-d12	15.527	264	135181	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	40726	9.928	ng	0.00
7) Phenol-d6	6.498	99	47122	10.138	ng	0.00
23) Nitrobenzene-d5	7.422	82	26087	6.654	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	11993	8.154	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	59668	7.519	ng	-0.01
79) Terphenyl-d14	12.980	244	70148	6.404	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	51024	4.911	ng	98
75) Fluoranthene	12.610	202	77212	7.194	ng	98
78) Pyrene	12.839	202	65445	4.665	ng	96
81) Benzo(a)anthracene	14.033	228	30555	2.534	ng	95
83) Chrysene	14.068	228	26835	2.410	ng	# 96
88) Benzo(b)fluoranthene	15.092	252	21414m	2.786	ng	
90) Benzo(a)pyrene	15.462	252	15858	2.237	ng	# 88

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

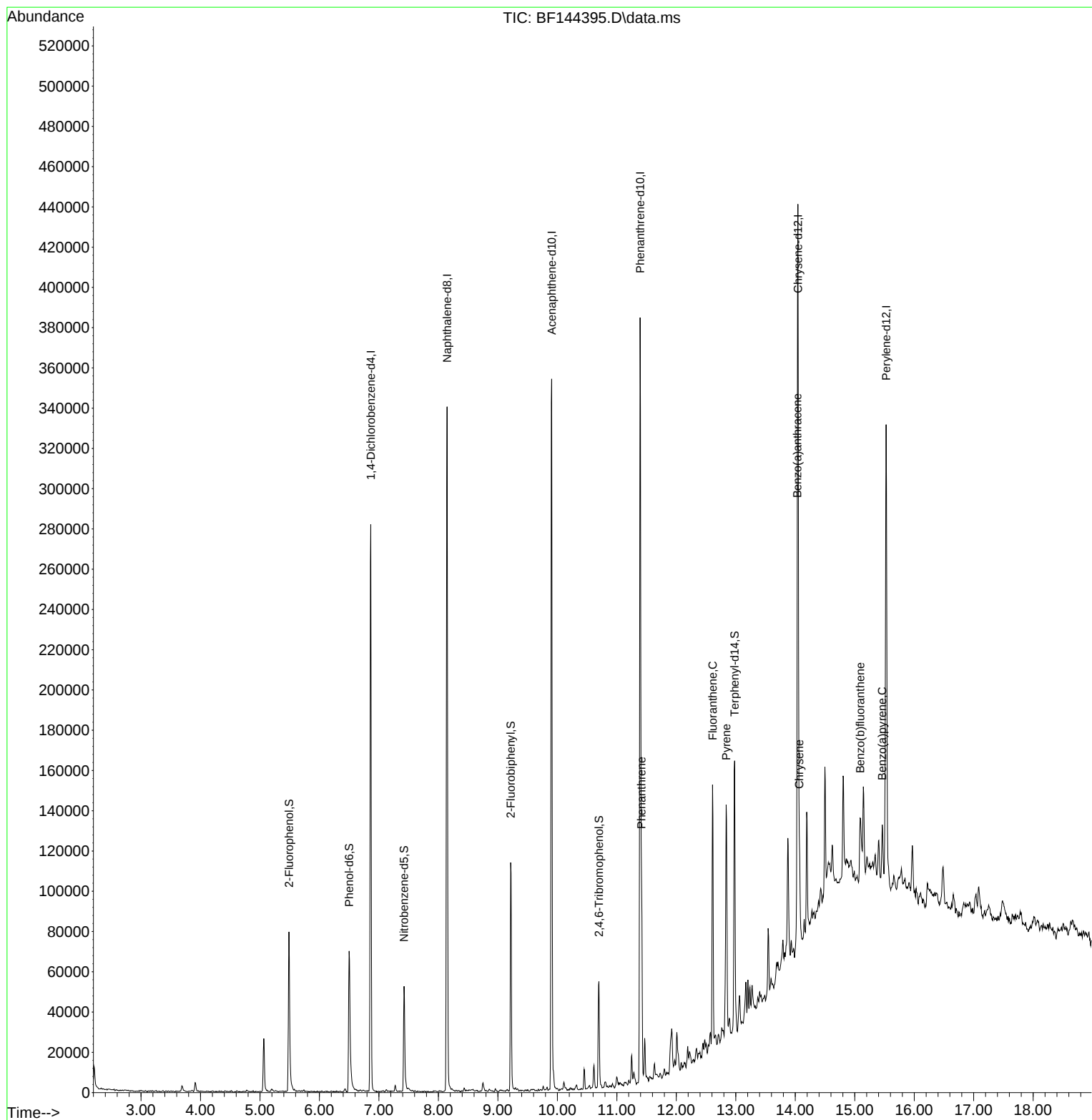
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

Manual Integrations
APPROVED

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

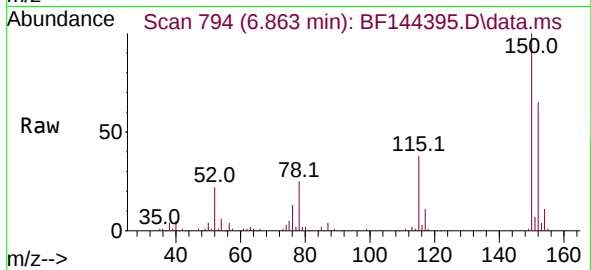
Quant Time: Dec 02 00:10:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

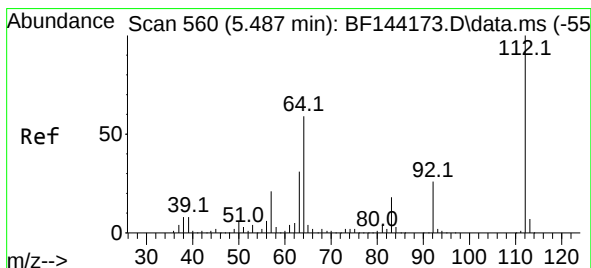
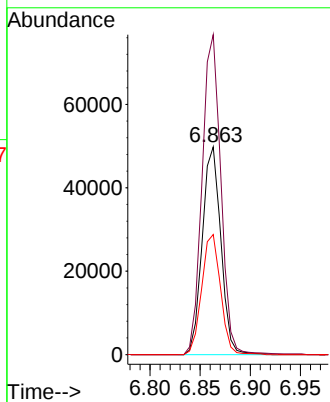
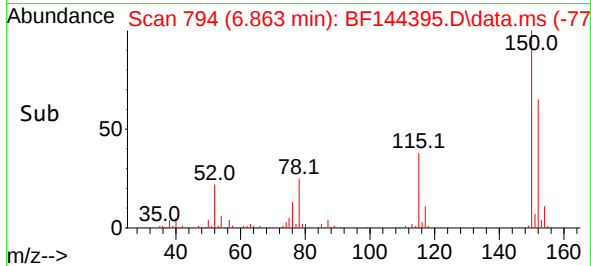
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



Tgt Ion:152 Resp: 64196
Ion Ratio Lower Upper
152 100
150 154.1 127.4 191.0
115 57.8 49.5 74.3

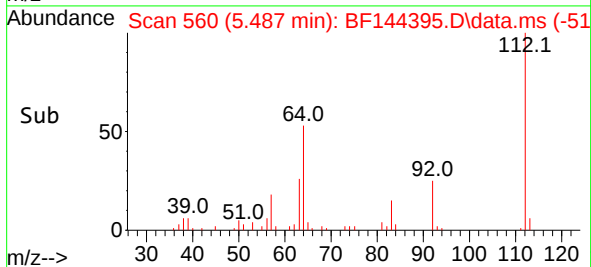
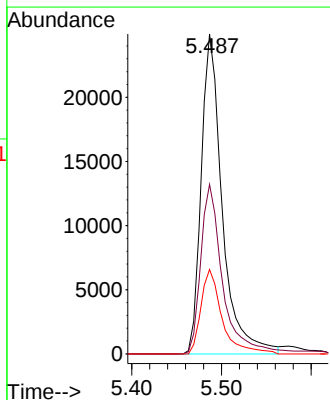
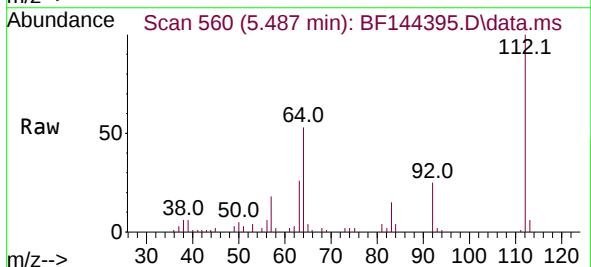
Manual Integrations
APPROVED

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



#5
2-Fluorophenol
Concen: 9.928 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

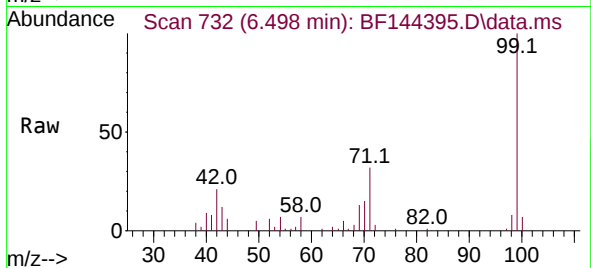
Tgt Ion:112 Resp: 40726
Ion Ratio Lower Upper
112 100
64 53.0 47.2 70.8
63 26.4 24.4 36.6





#7
Phenol-d6
Concen: 10.138 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

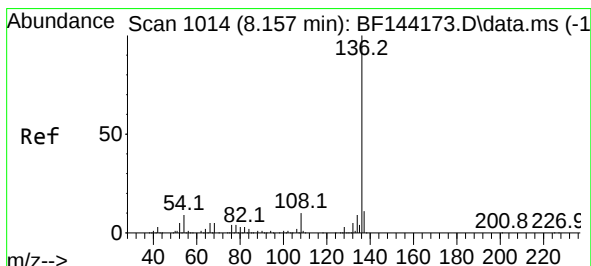
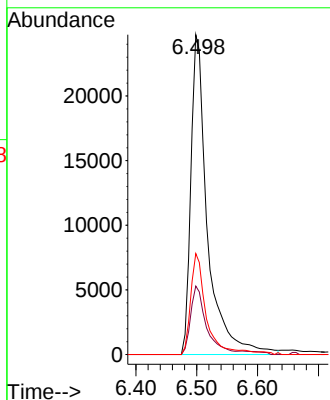
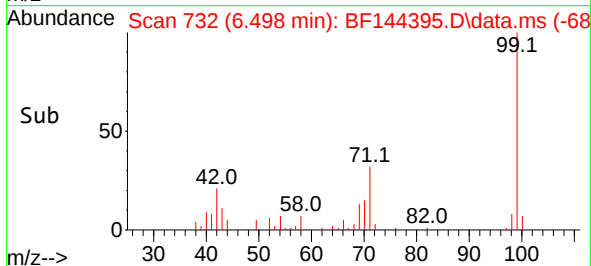
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



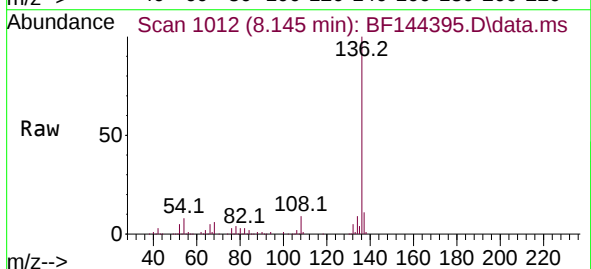
Tgt Ion: 99 Resp: 47122
Ion Ratio Lower Upper
99 100
42 21.4 20.9 31.3
71 31.6 31.4 47.2

Manual Integrations
APPROVED

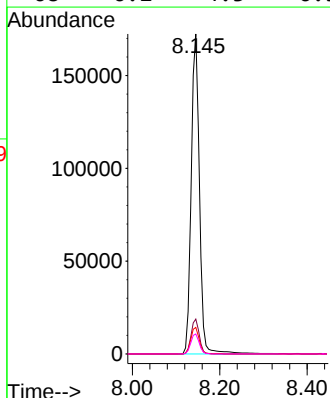
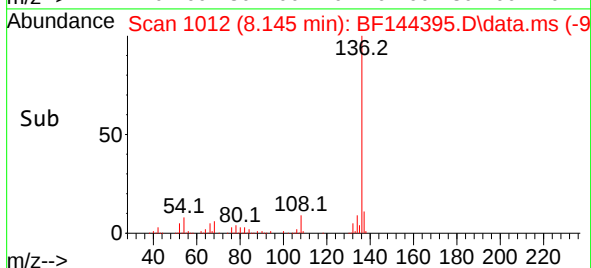
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

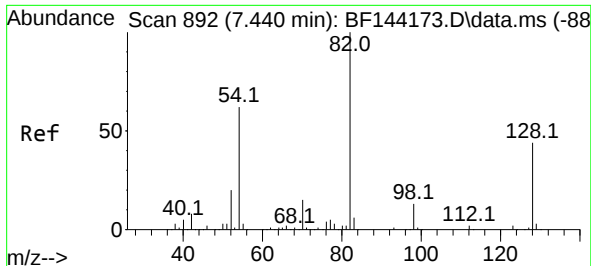


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11



Tgt Ion:136 Resp: 226428
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.6
68 6.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 6.654 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

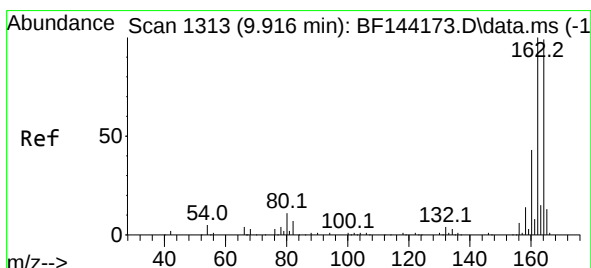
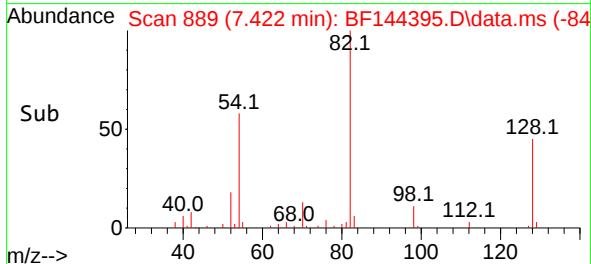
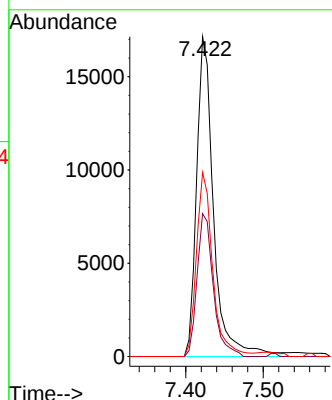
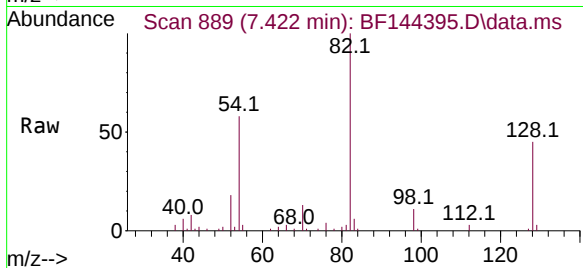
SB-1125-17B

Tgt Ion:	82	Resp:	2608
Ion Ratio	Lower	Upper	
82	100		
128	44.7	34.7	52.1
54	57.6	49.5	74.3

Manual Integrations

APPROVED

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



#39

Acenaphthene-d10

Concen: 20.000 ng

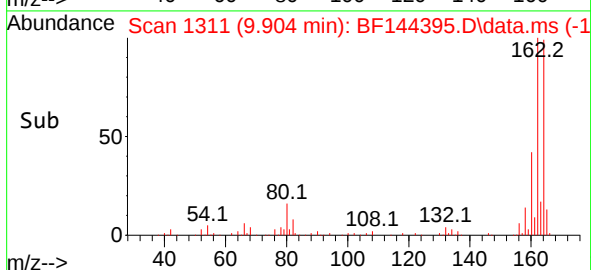
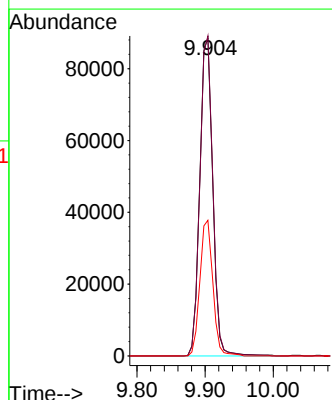
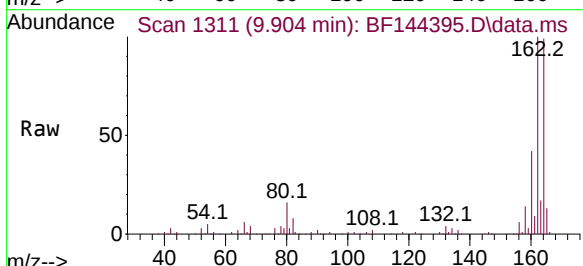
RT: 9.904 min Scan# 1311

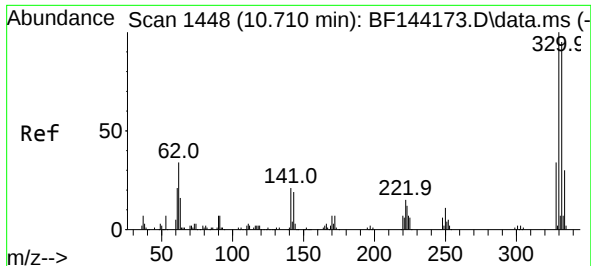
Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

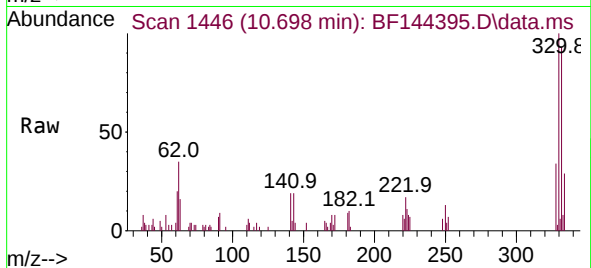
Tgt Ion:	164	Resp:	117202
Ion Ratio	Lower	Upper	
164	100		
162	100.6	81.1	121.7
160	42.7	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 8.154 ng
RT: 10.698 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

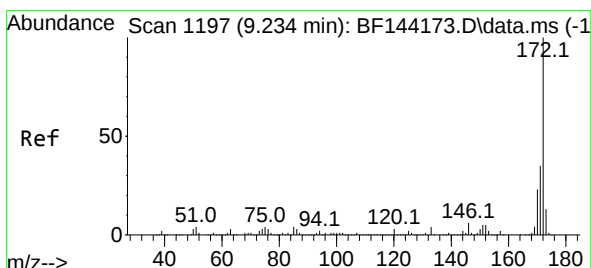
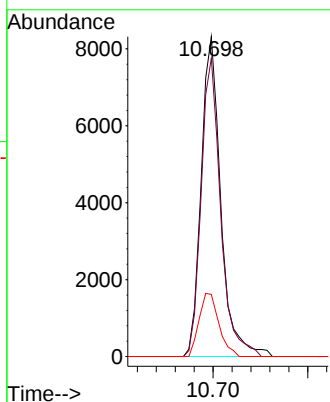
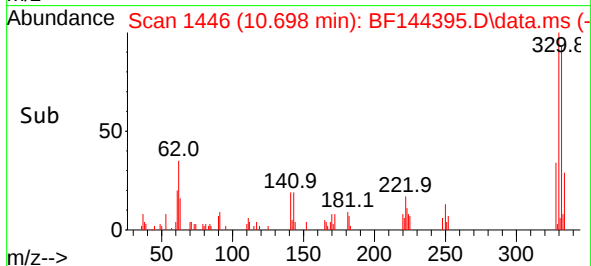
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



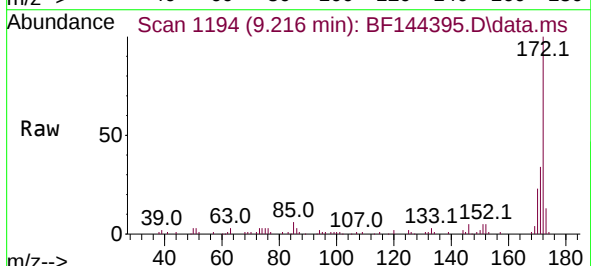
Tgt Ion: 330 Resp: 11993
Ion Ratio Lower Upper
330 100
332 92.3 76.7 115.1
141 19.9 17.8 26.8

Manual Integrations
APPROVED

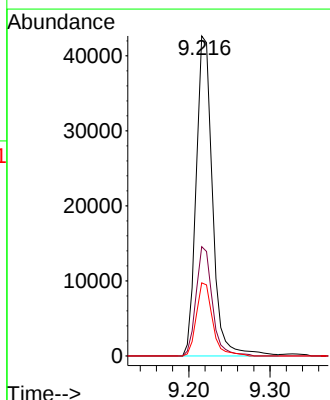
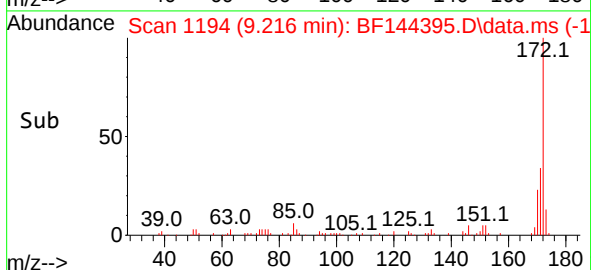
Reviewed By : Jagrut Upadhyay 12/02/2025
Supervised By : mohammad ahmed 12/03/2025

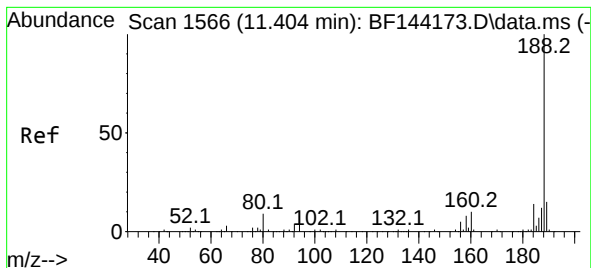


#45
2-Fluorobiphenyl
Concen: 7.519 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11



Tgt Ion: 172 Resp: 59668
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 22.8 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: BF144395.D

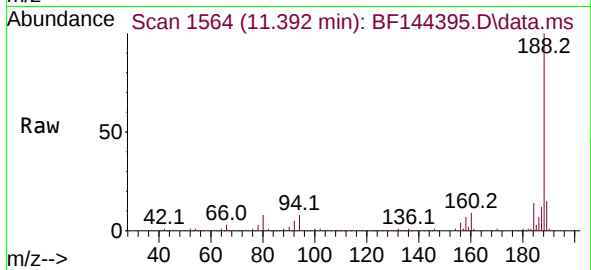
Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B



Tgt Ion:188 Resp: 208690

Ion Ratio Lower Upper

188 100

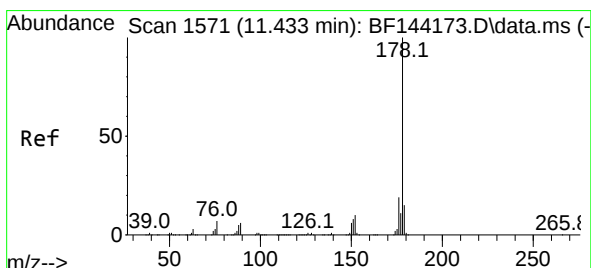
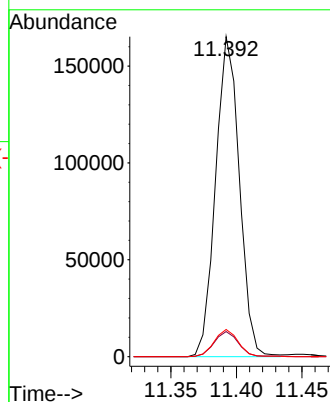
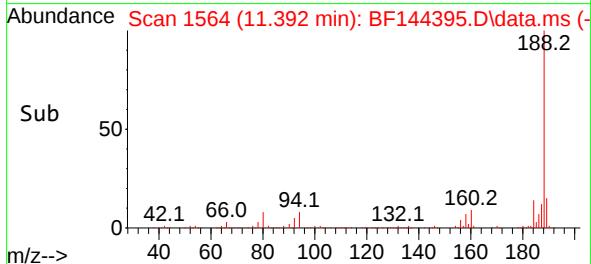
94 7.9 6.2 9.2

80 8.5 6.9 10.3

Manual Integrations

APPROVED

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



#71

Phenanthrene

Concen: 4.911 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

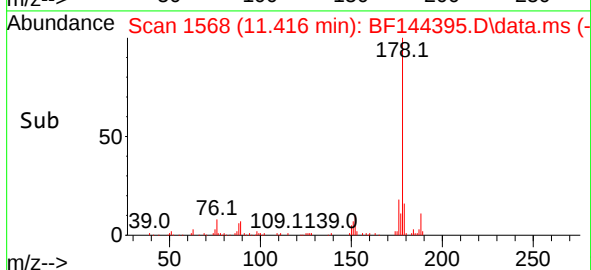
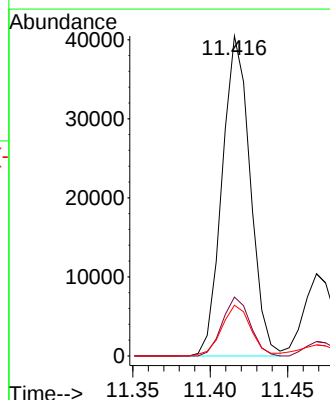
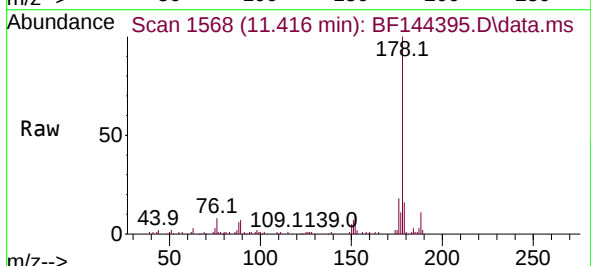
Tgt Ion:178 Resp: 51024

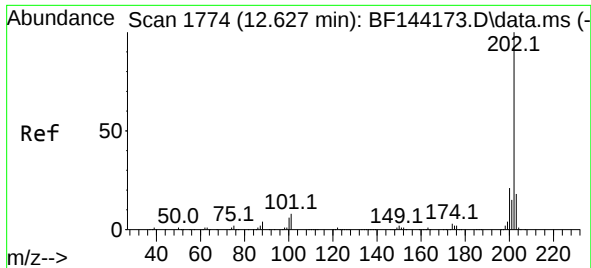
Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 7.194 ng
RT: 12.610 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

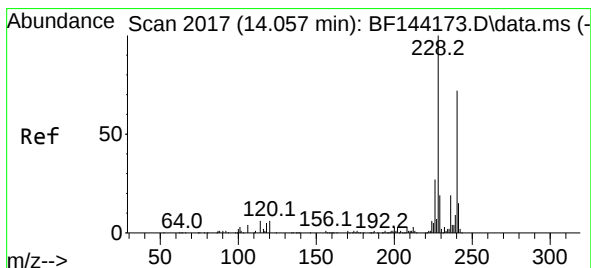
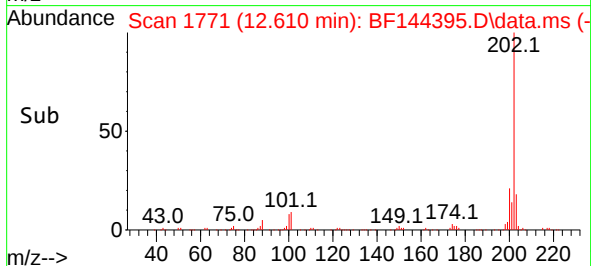
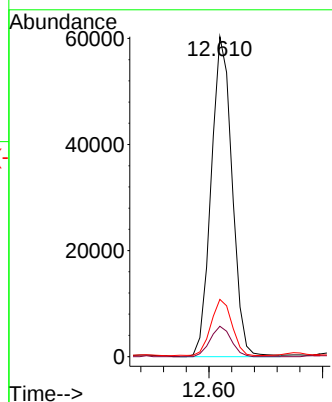
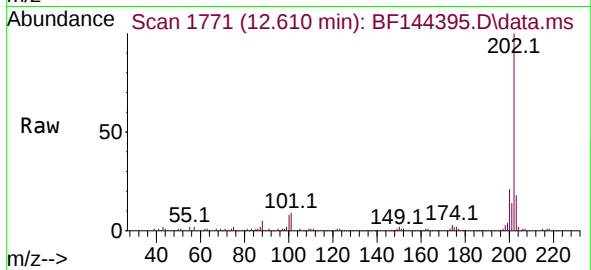
SB-1125-17B

Tgt Ion:202 Resp: 77212
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 17.9 0.0 37.5

Manual Integrations

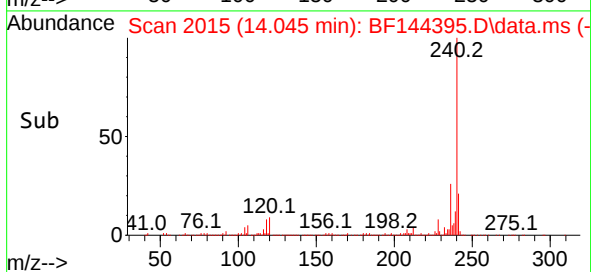
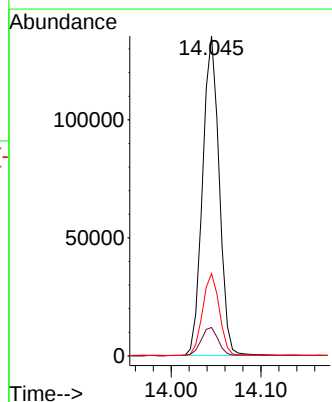
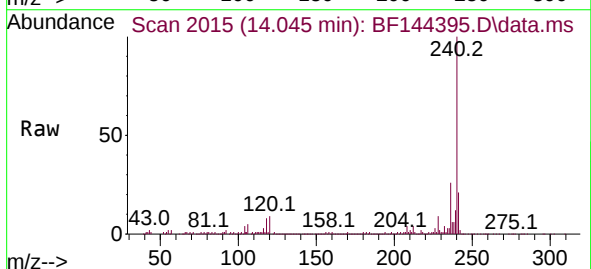
APPROVED

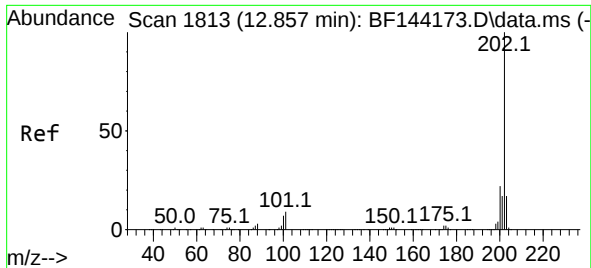
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Tgt Ion:240 Resp: 174001
Ion Ratio Lower Upper
240 100
120 8.9 6.6 10.0
236 25.7 21.4 32.2





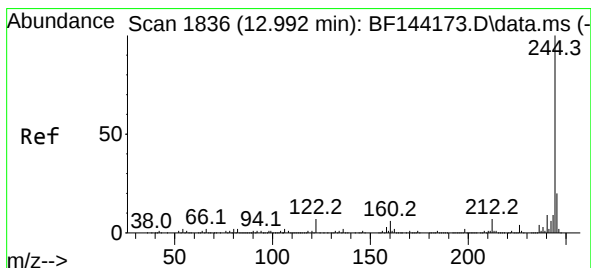
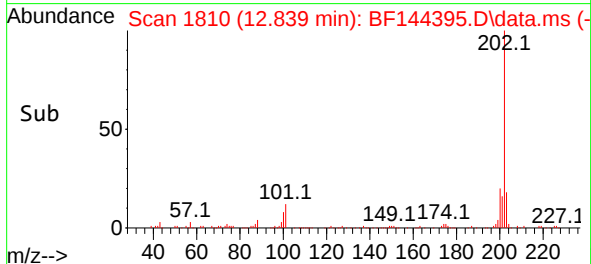
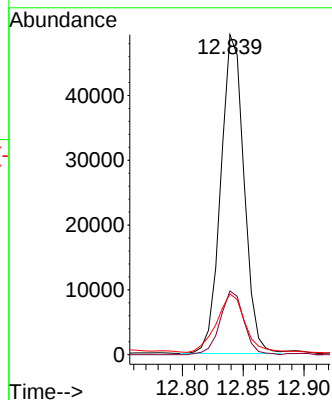
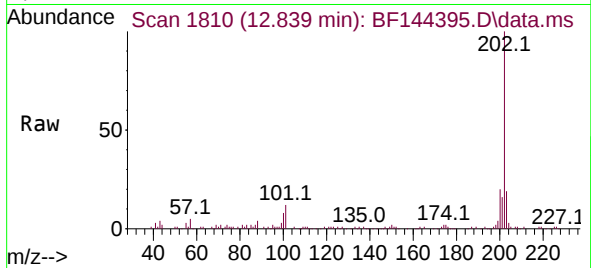
#78
Pyrene
Concen: 4.665 ng
RT: 12.839 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

Tgt Ion:202 Resp: 65445
Ion Ratio Lower Upper
202 100
200 19.9 17.2 25.8
203 19.0 13.7 20.5

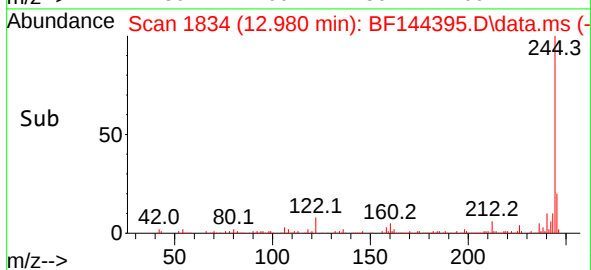
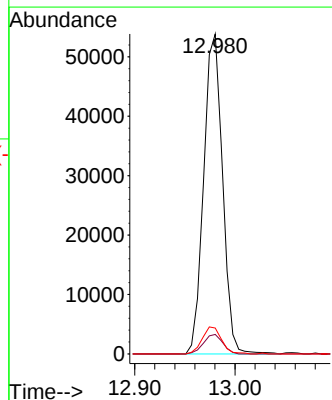
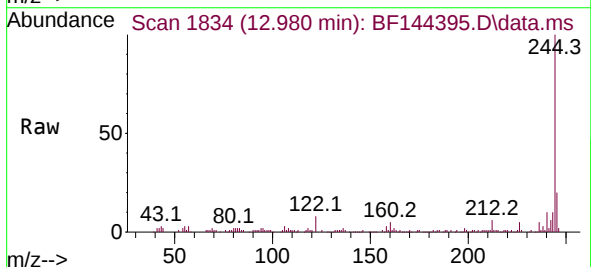
Manual Integrations
APPROVED

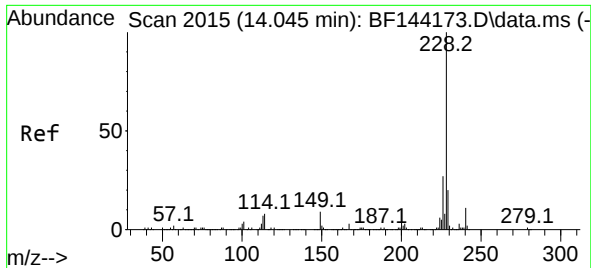
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#79
Terphenyl-d14
Concen: 6.404 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

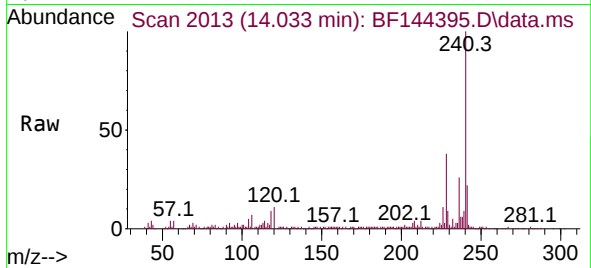
Tgt Ion:244 Resp: 70148
Ion Ratio Lower Upper
244 100
212 6.1 5.3 7.9
122 8.1 5.6 8.4





#81
Benzo(a)anthracene
Concen: 2.534 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

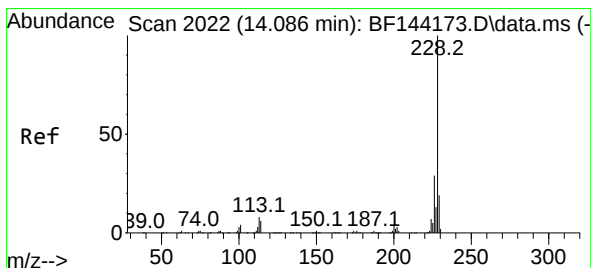
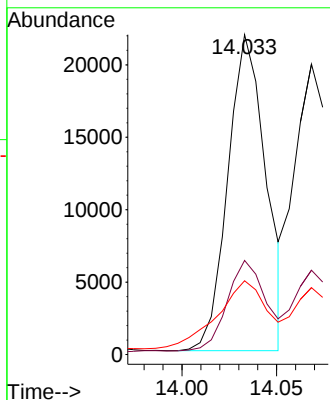
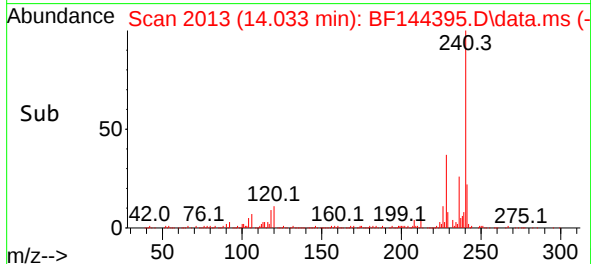
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



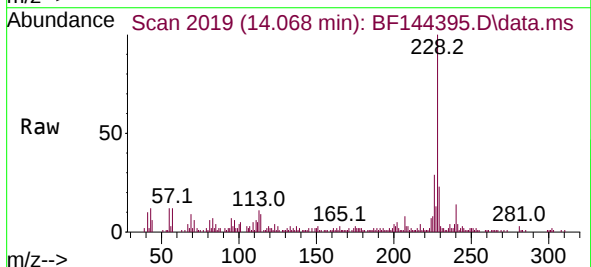
Tgt Ion:228 Resp: 3055
Ion Ratio Lower Upper
228 100
226 29.4 21.8 32.8
229 23.1 15.8 23.6

Manual Integrations
APPROVED

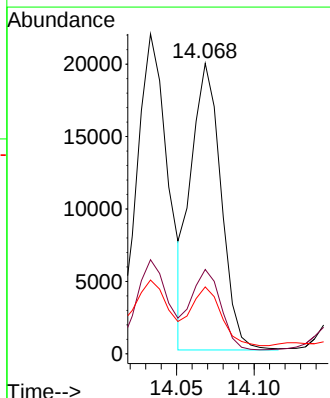
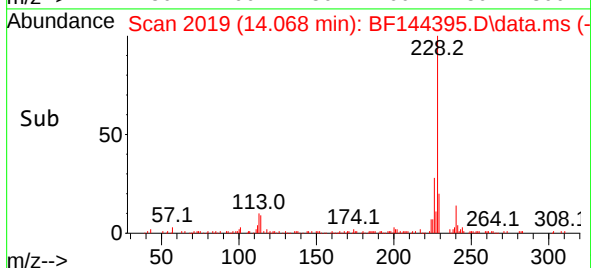
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

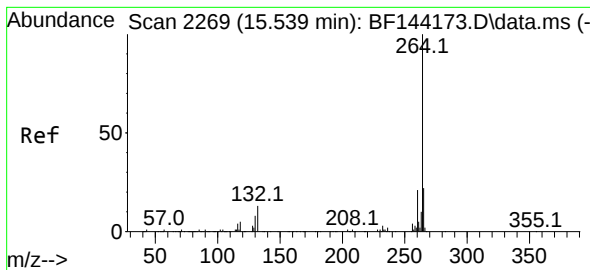


#83
Chrysene
Concen: 2.410 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11



Tgt Ion:228 Resp: 26835
Ion Ratio Lower Upper
228 100
226 29.1 22.9 34.3
229 23.1 15.0 22.6#





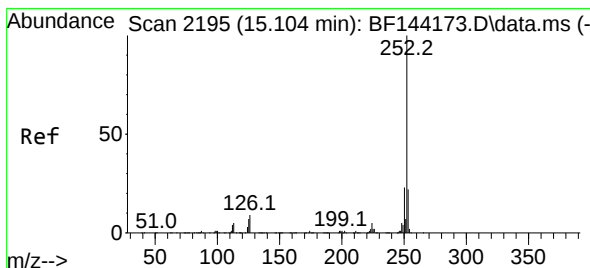
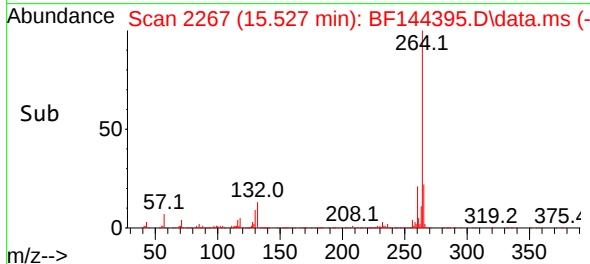
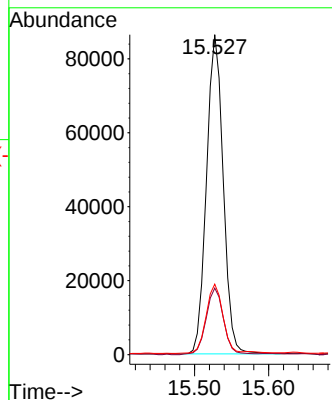
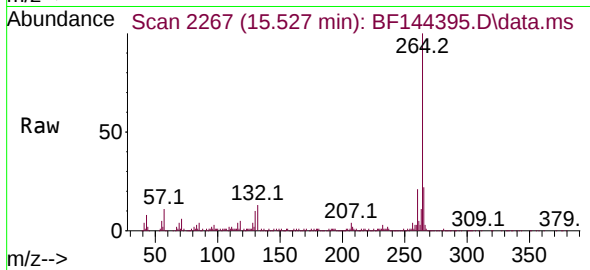
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2118
 Delta R.T. -0.012 min
 Lab File: BF144395.D
 Acq: 01 Dec 2025 19:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17B

Tgt Ion:264 Resp: 13518
 Ion Ratio Lower Upper
 264 100
 260 20.8 17.1 25.7
 265 22.0 17.4 26.0

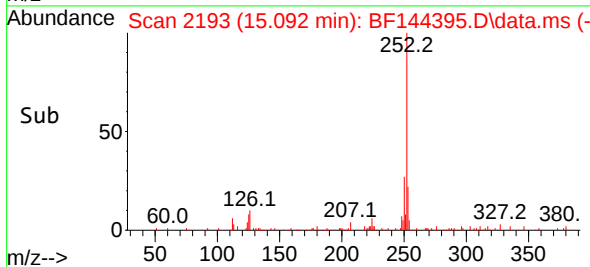
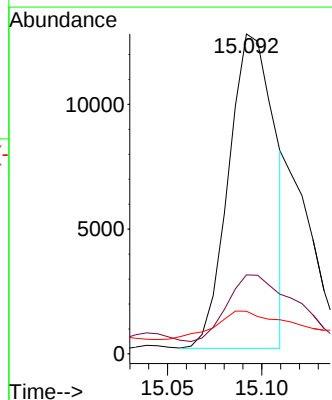
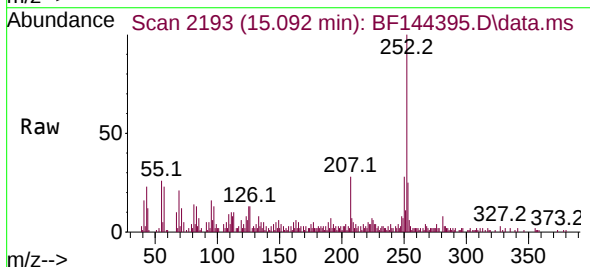
Manual Integrations
 APPROVED

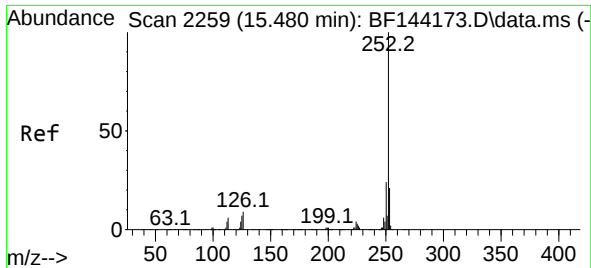
Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#88
 Benzo(b)fluoranthene
 Concen: 2.786 ng m
 RT: 15.092 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF144395.D
 Acq: 01 Dec 2025 19:11

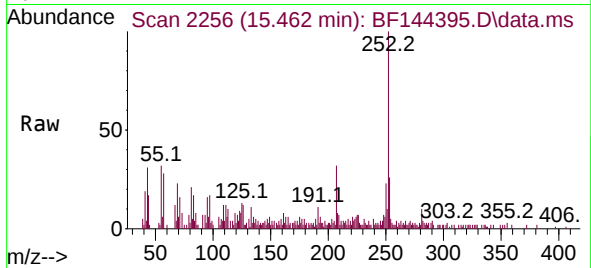
Tgt Ion:252 Resp: 21414
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.4 26.2
 125 13.3 5.3 7.9#





#90
Benzo(a)pyrene
Concen: 2.237 ng
RT: 15.462 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



Tgt Ion:252 Resp: 15858
Ion Ratio Lower Upper
252 100
253 25.9 16.7 25.1
125 13.0 5.7 8.5

Manual Integrations
APPROVED

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

