

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144135.D
 Acq On : 29 Oct 2025 18:31
 Operator : RC/JU
 Sample : Q3466-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B8-0.0-1.0-20251023

Quant Time: Oct 29 18:51:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	58760	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	219394	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	118691	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	197810	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	171583	20.000	ng	0.00
86) Perylene-d12	15.539	264	188901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	296495	79.831	ng	0.00
7) Phenol-d6	6.504	99	338372	82.494	ng	0.00
23) Nitrobenzene-d5	7.439	82	221116	55.217	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	115793	76.588	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	444581	52.710	ng	0.00
79) Terphenyl-d14	12.992	244	422291	43.026	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	43161	4.392	ng	98
75) Fluoranthene	12.621	202	69912	6.440	ng	99
78) Pyrene	12.851	202	56918	4.614	ng	97
81) Benzo(a)anthracene	14.039	228	39006m	3.364	ng	
83) Chrysene	14.074	228	36048	3.313	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	36111	5.668	ng	# 97
88) Benzo(b)fluoranthene	15.098	252	47991m	4.494	ng	
90) Benzo(a)pyrene	15.468	252	30218	3.154	ng	# 98

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

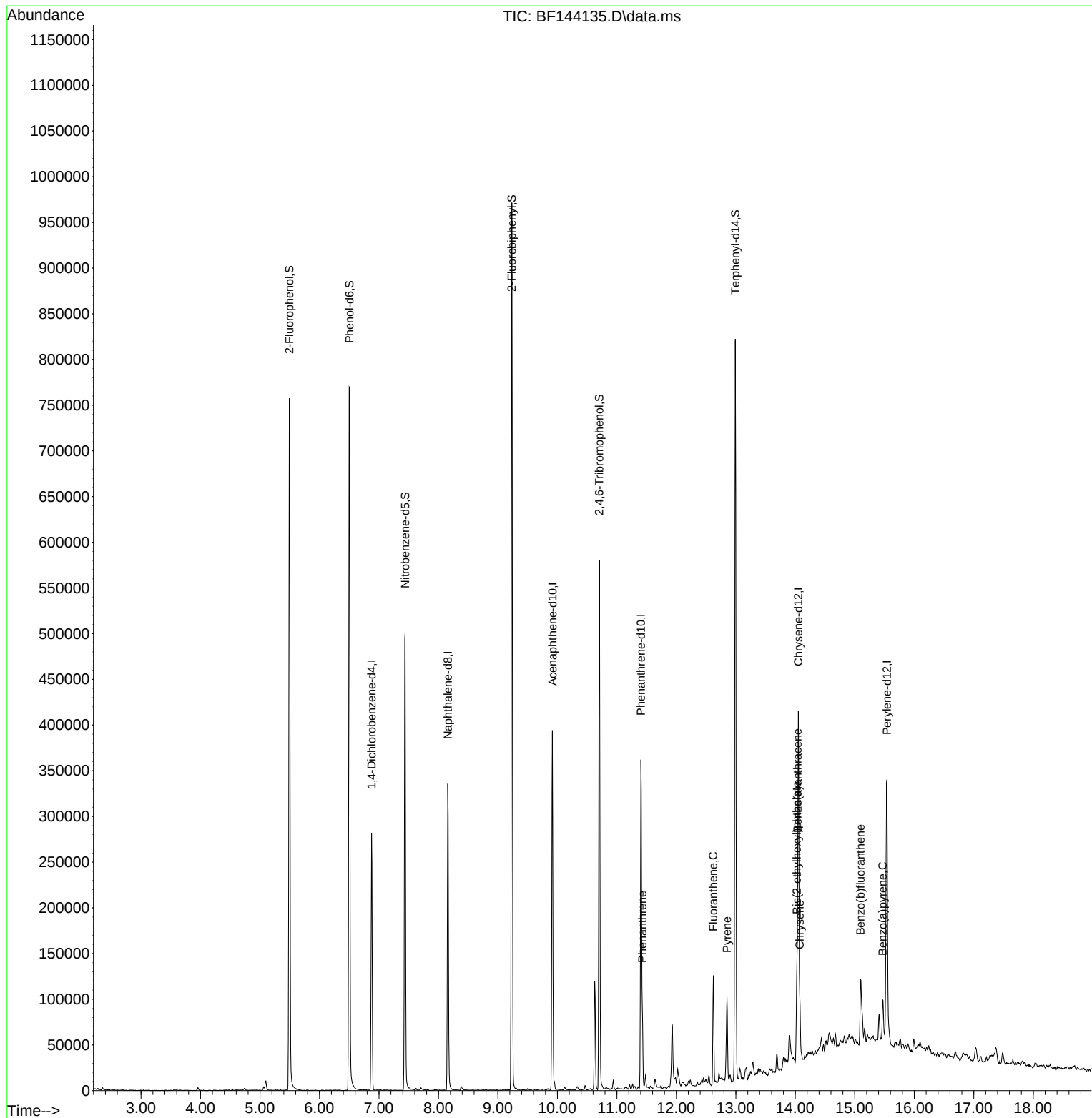
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
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Response via : Initial Calibration

Manual Integrations
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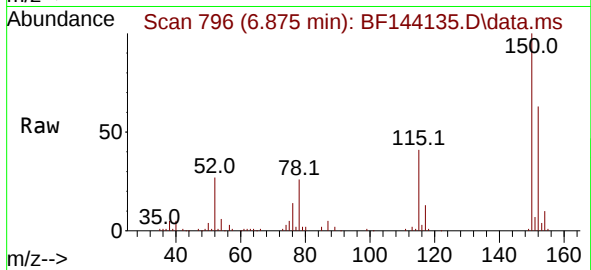
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

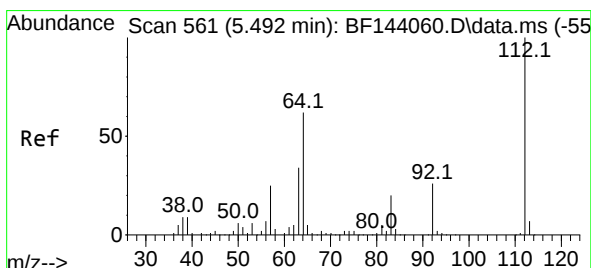
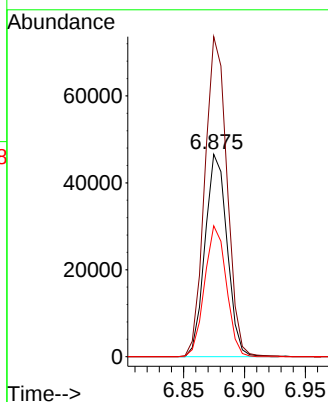
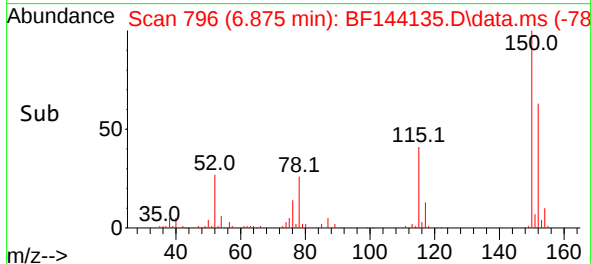
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



Tgt Ion:152 Resp: 58760
Ion Ratio Lower Upper
152 100
150 158.1 124.4 186.6
115 64.6 49.4 74.0

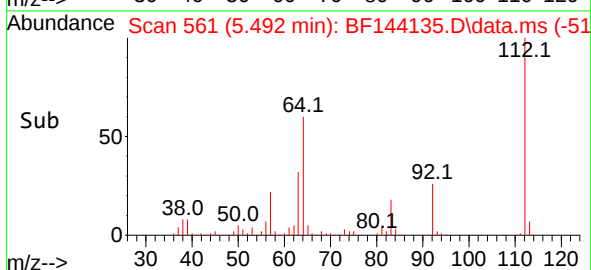
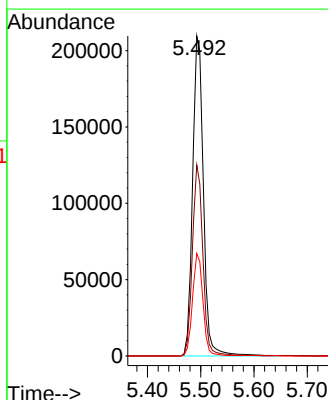
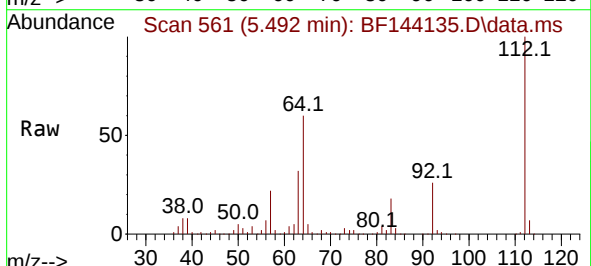
Manual Integrations
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#5
2-Fluorophenol
Concen: 79.831 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

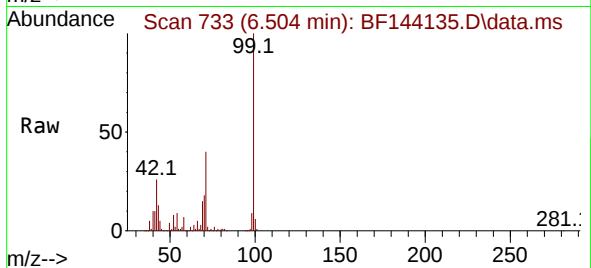
Tgt Ion:112 Resp: 296495
Ion Ratio Lower Upper
112 100
64 59.7 49.8 74.8
63 32.0 27.4 41.2





#7
Phenol-d6
Concen: 82.494 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

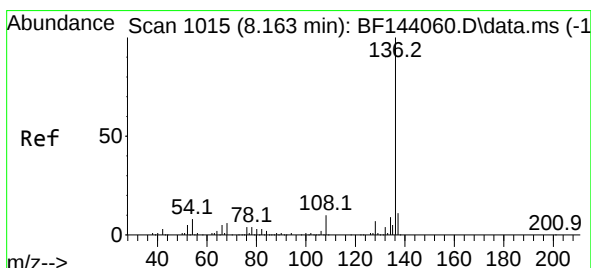
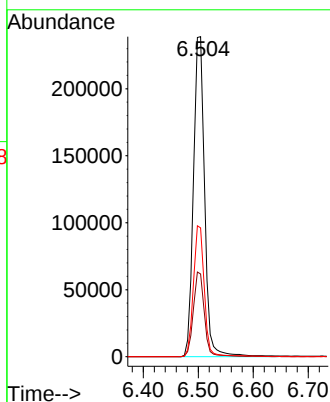
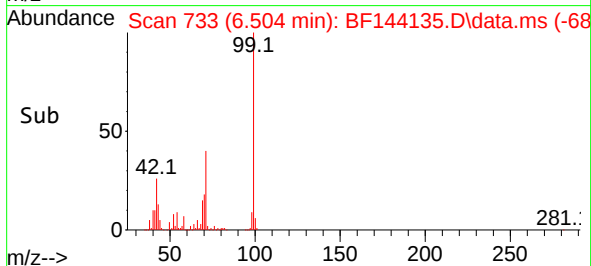
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



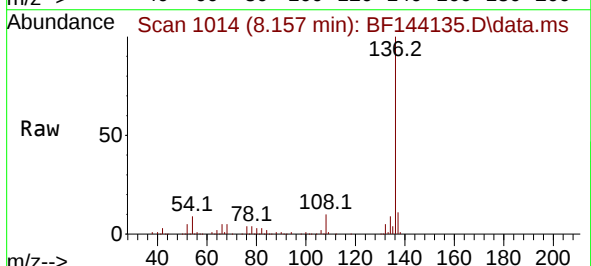
Tgt Ion: 99 Resp: 338372
Ion Ratio Lower Upper
99 100
42 25.9 23.9 35.9
71 40.2 34.4 51.6

Manual Integrations
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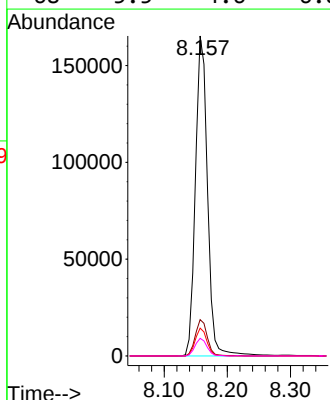
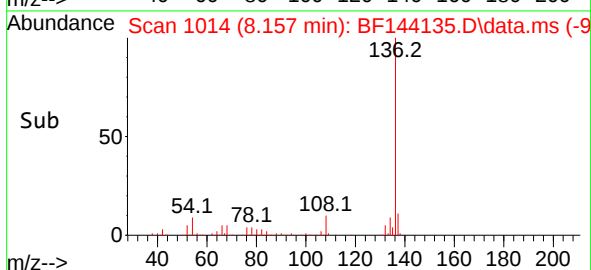
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

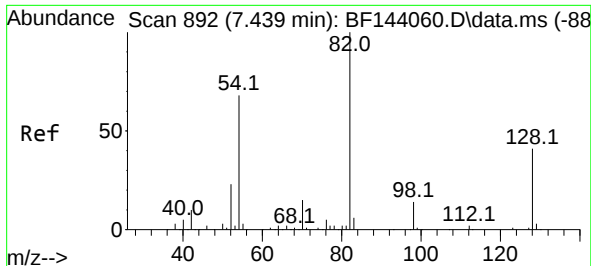


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31



Tgt Ion:136 Resp: 219394
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.7 6.6 9.8
68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 55.217 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.000 min

Lab File: BF144135.D

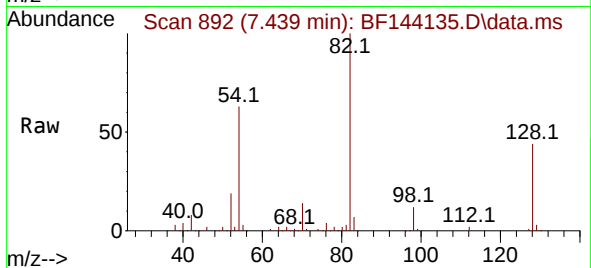
Acq: 29 Oct 2025 18:31

Instrument :

BNA_F

ClientSampleId :

B8-0.0-1.0-20251023



Tgt Ion: 82 Resp: 221110

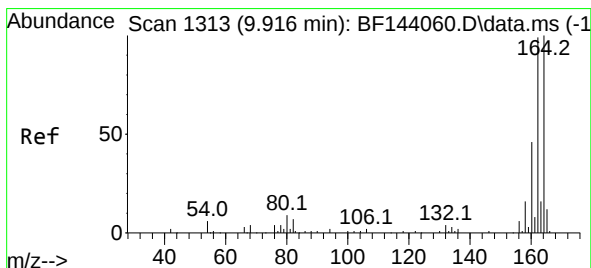
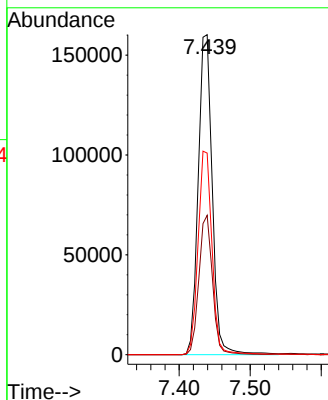
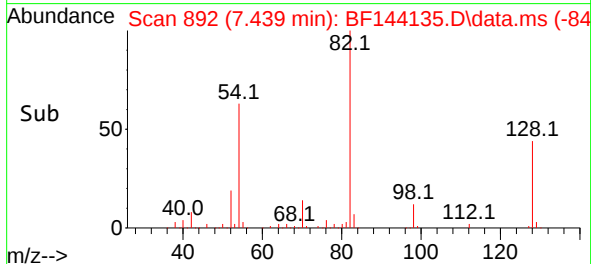
Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.4	48.6
54	63.0	54.0	81.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

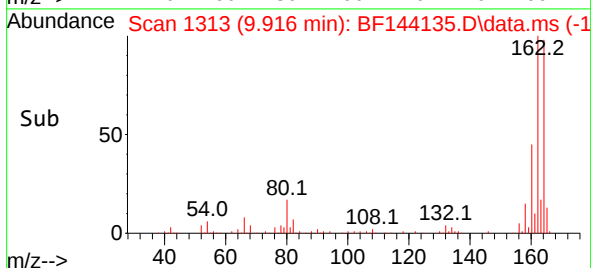
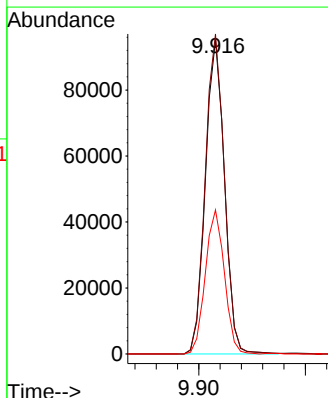
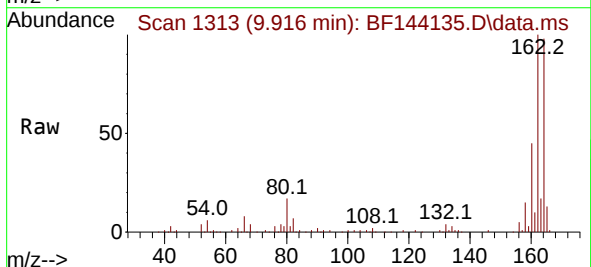
Delta R.T. -0.000 min

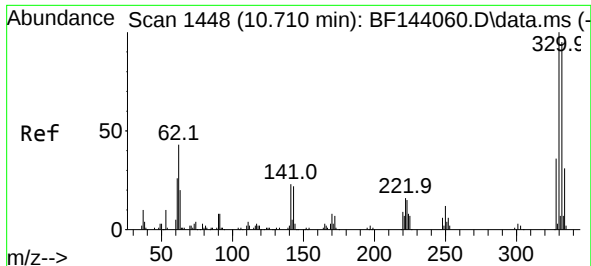
Lab File: BF144135.D

Acq: 29 Oct 2025 18:31

Tgt Ion:164 Resp: 118691

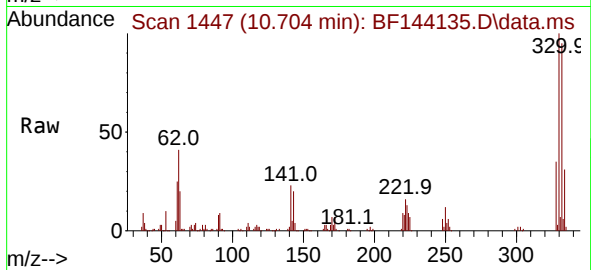
Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.4	119.2
160	45.9	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 76.588 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

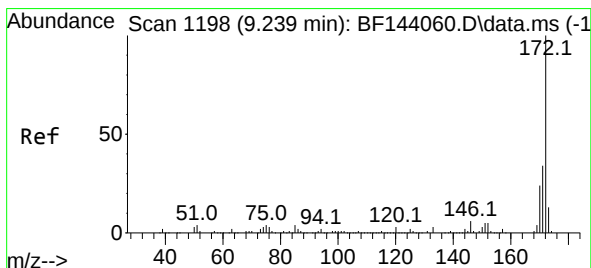
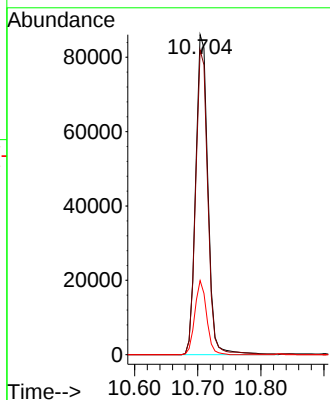
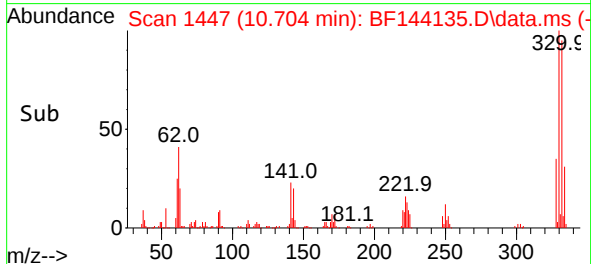
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



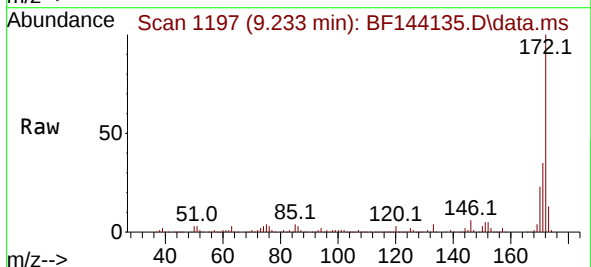
Tgt Ion: 330 Resp: 115793
Ion Ratio Lower Upper
330 100
332 94.3 77.0 115.6
141 22.3 19.4 29.0

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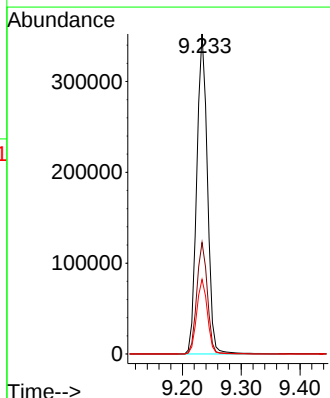
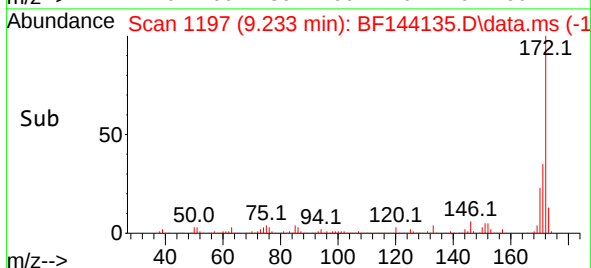
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

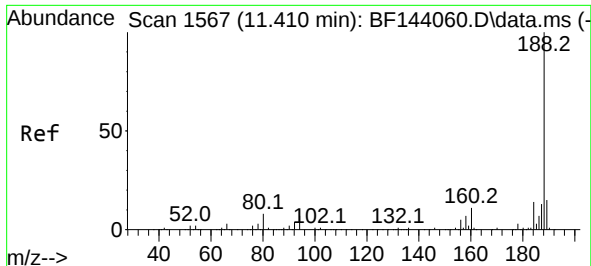


#45
2-Fluorobiphenyl
Concen: 52.710 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31



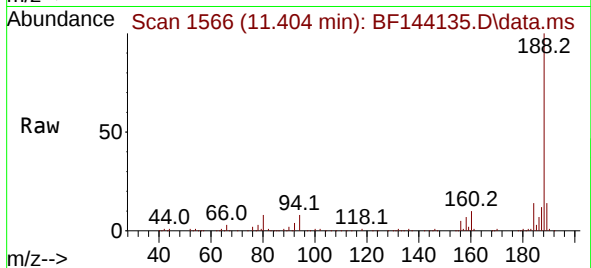
Tgt Ion: 172 Resp: 444581
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 23.3 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

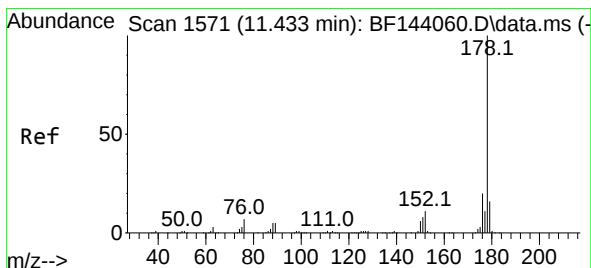
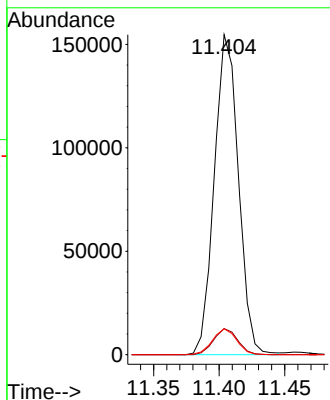
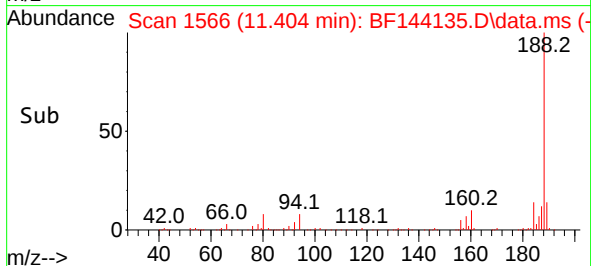
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



Tgt Ion:188 Resp: 197810
Ion Ratio Lower Upper
188 100
94 8.1 5.4 8.0
80 8.1 6.0 9.0

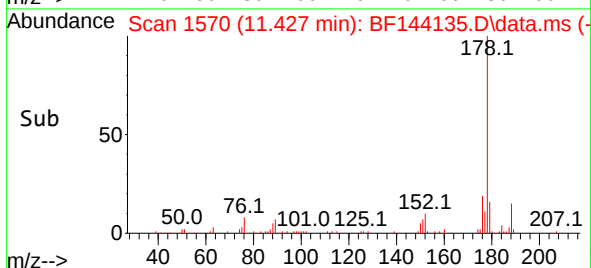
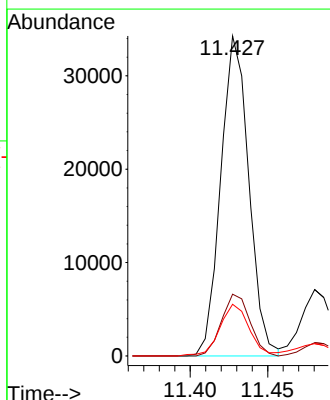
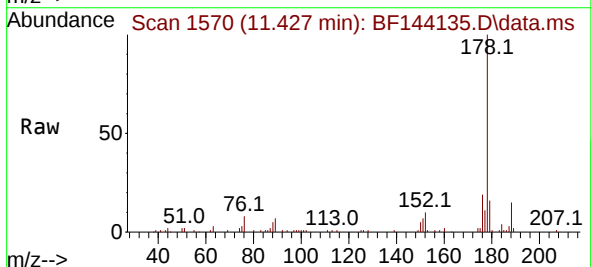
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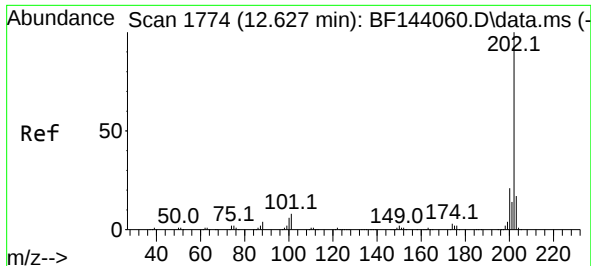
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#71
Phenanthrene
Concen: 4.392 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

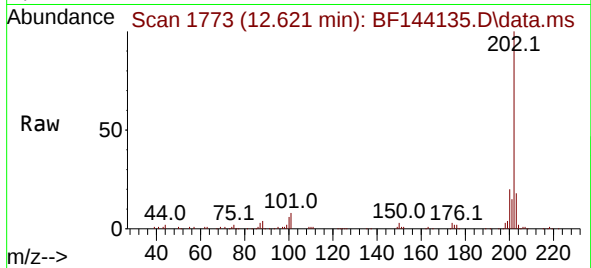
Tgt Ion:178 Resp: 43161
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 16.2 12.6 18.8





#75
Fluoranthene
Concen: 6.440 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

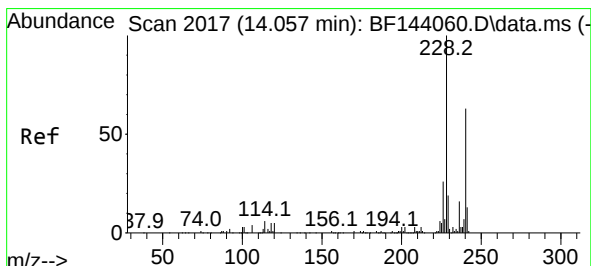
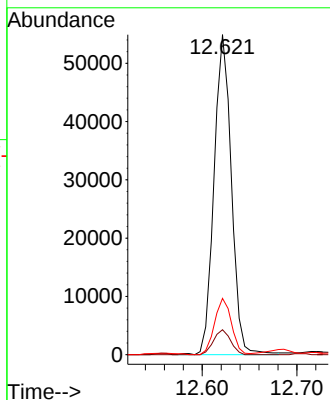
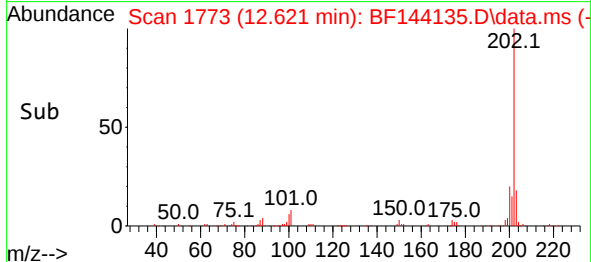
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



Tgt Ion:202 Resp: 6991
Ion Ratio Lower Upper
202 100
101 7.8 0.0 27.7
203 17.6 0.0 37.3

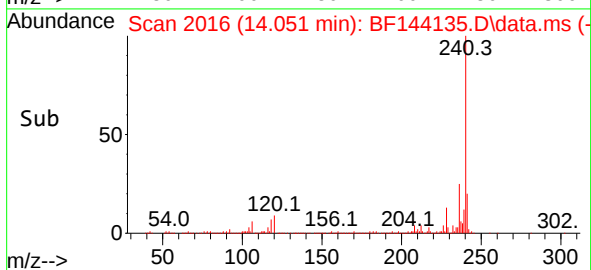
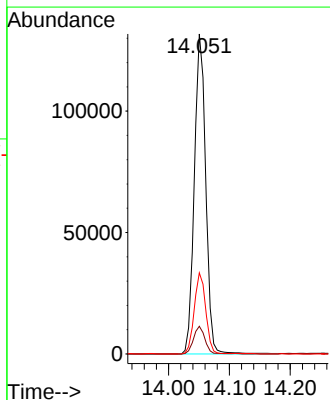
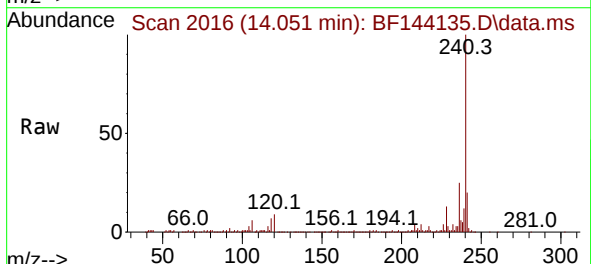
Manual Integrations
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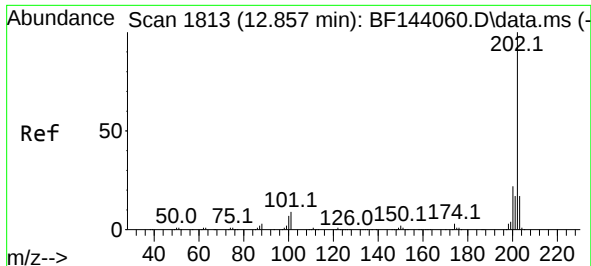
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

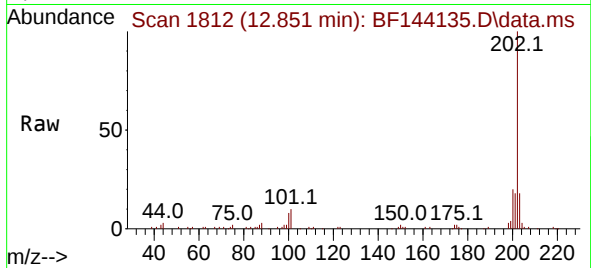
Tgt Ion:240 Resp: 171583
Ion Ratio Lower Upper
240 100
120 8.7 6.5 9.7
236 25.4 20.1 30.1





#78
Pyrene
Concen: 4.614 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

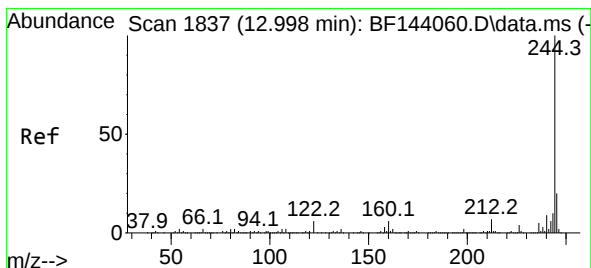
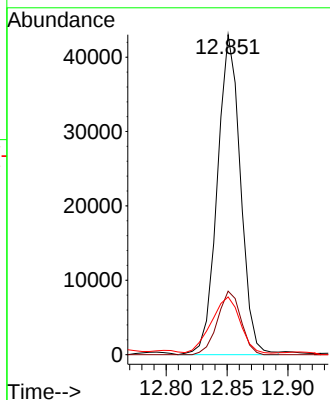
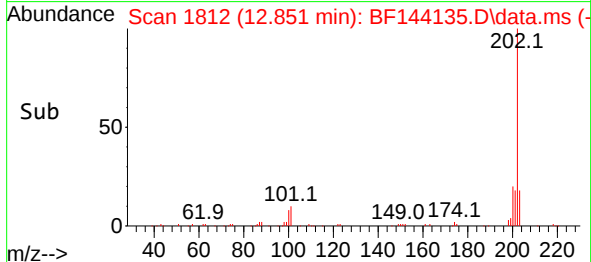
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



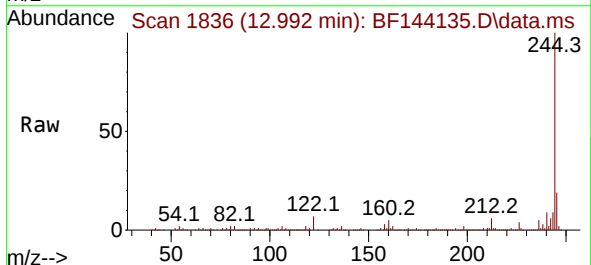
Tgt Ion:202 Resp: 56918
Ion Ratio Lower Upper
202 100
200 19.9 17.2 25.8
203 18.0 13.5 20.3

Manual Integrations
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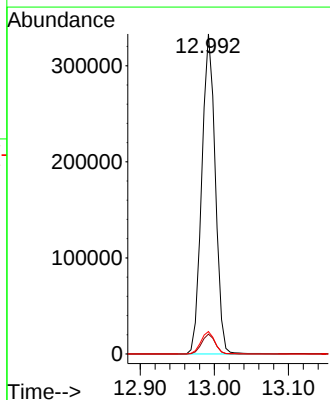
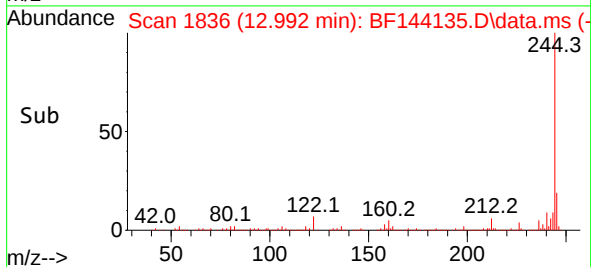
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

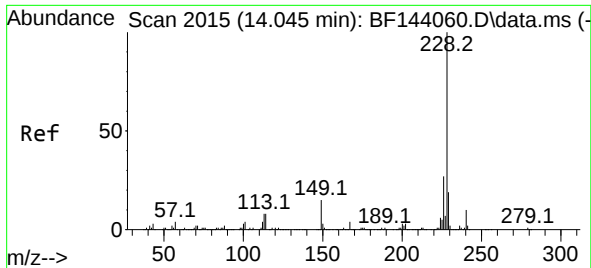


#79
Terphenyl-d14
Concen: 43.026 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31



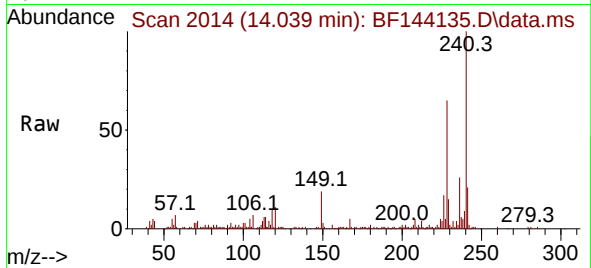
Tgt Ion:244 Resp: 422291
Ion Ratio Lower Upper
244 100
212 6.2 5.8 8.6
122 7.0 4.9 7.3





#81
Benzo(a)anthracene
Concen: 3.364 ng m
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

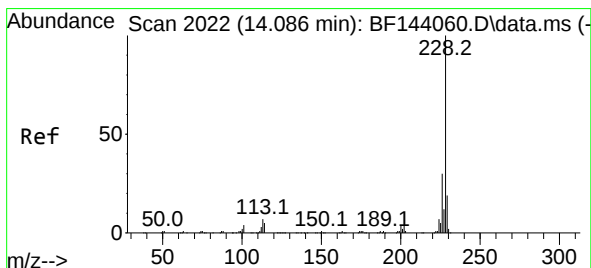
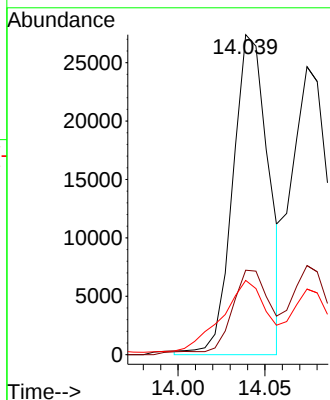
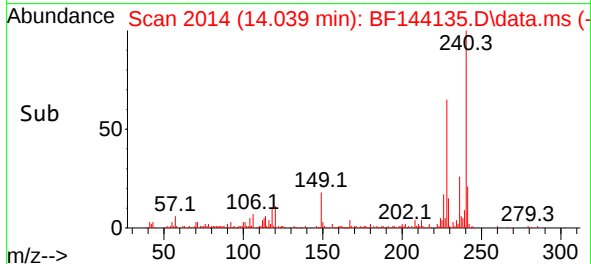
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



Tgt Ion:228 Resp: 39000
Ion Ratio Lower Upper
228 100
226 26.4 21.4 32.2
229 23.2 15.3 22.9

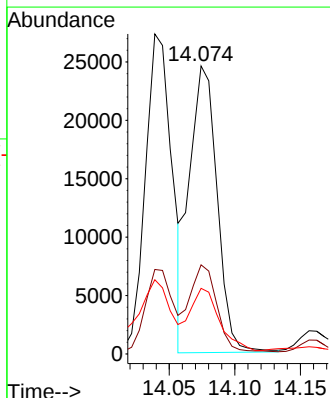
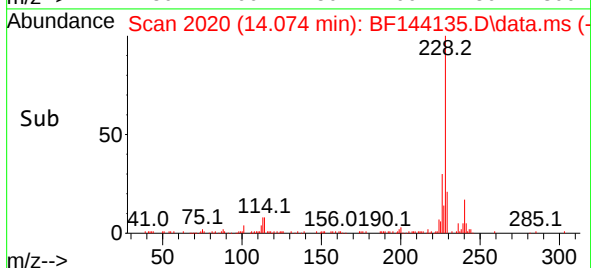
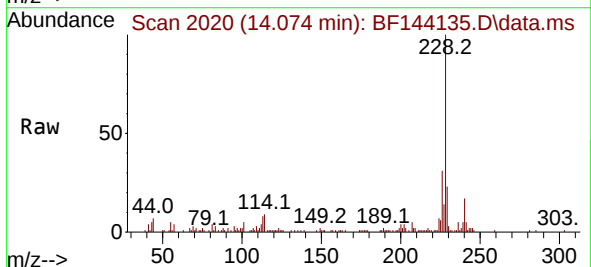
Manual Integrations
APPROVED

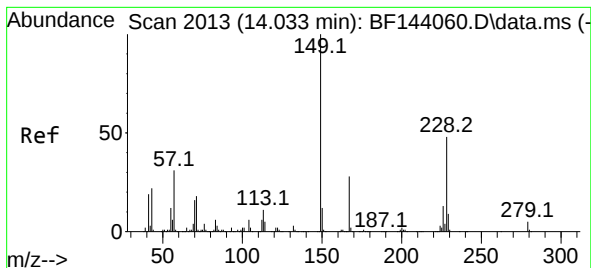
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#83
Chrysene
Concen: 3.313 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

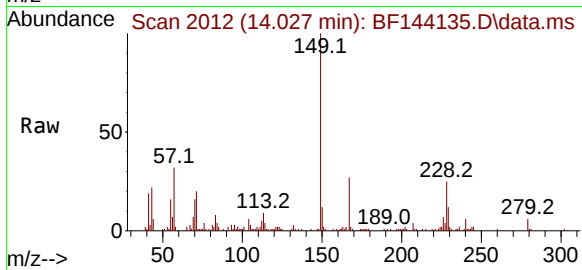
Tgt Ion:228 Resp: 36048
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.6
229 22.8 15.6 23.4





#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.668 ng
 RT: 14.027 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: BF144135.D
 Acq: 29 Oct 2025 18:31

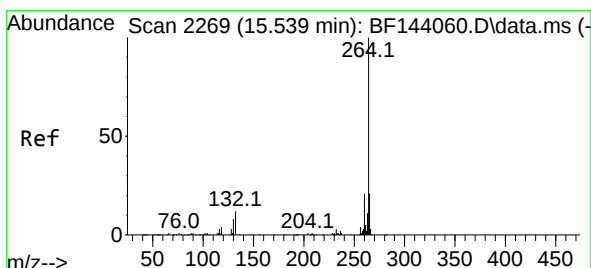
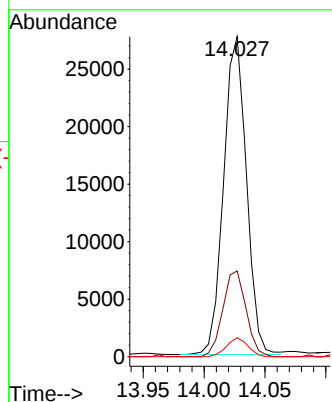
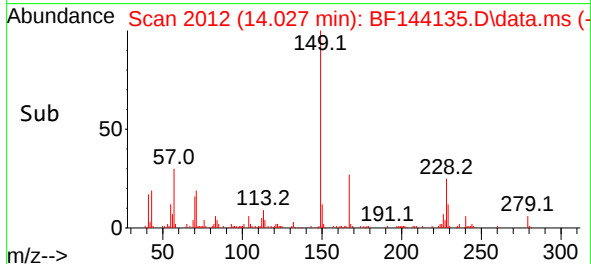
Instrument :
 BNA_F
 ClientSampleId :
 B8-0.0-1.0-20251023



Tgt Ion:149 Resp: 3611
 Ion Ratio Lower Upper
 149 100
 167 26.8 22.5 33.7
 279 5.9 3.6 5.4

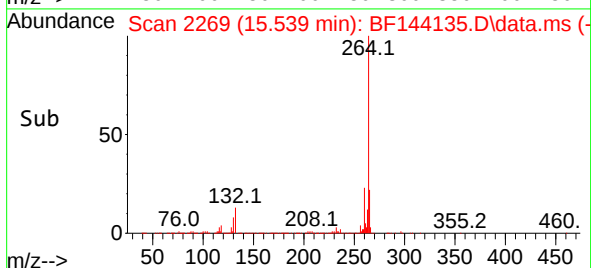
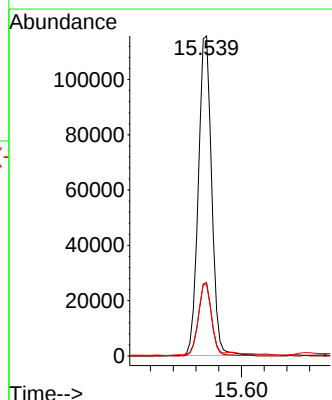
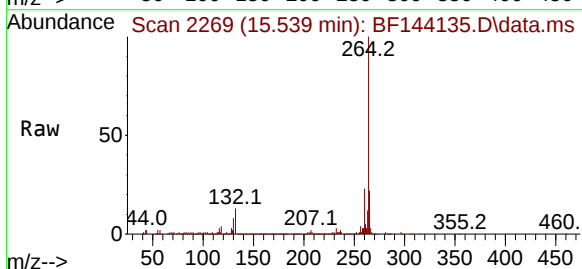
Manual Integrations
 APPROVED

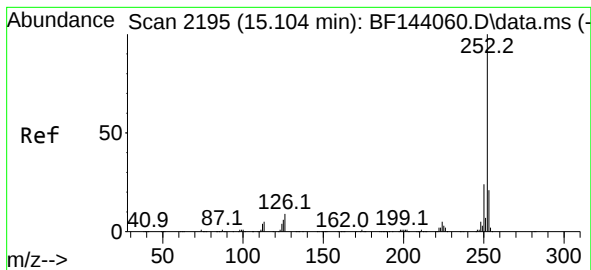
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.000 min
 Lab File: BF144135.D
 Acq: 29 Oct 2025 18:31

Tgt Ion:264 Resp: 188901
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.0 25.4
 265 22.3 16.6 24.8





#88

Benzo(b)fluoranthene

Concen: 4.494 ng m

RT: 15.098 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF144135.D

Acq: 29 Oct 2025 18:31

Instrument :

BNA_F

ClientSampleId :

B8-0.0-1.0-20251023

Tgt Ion:252 Resp: 4799

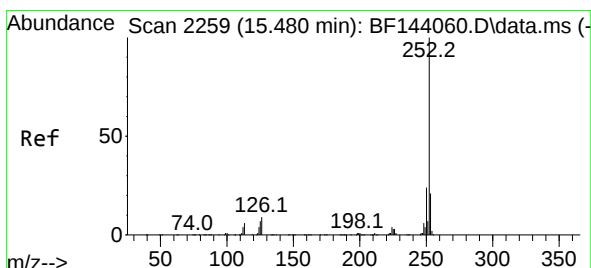
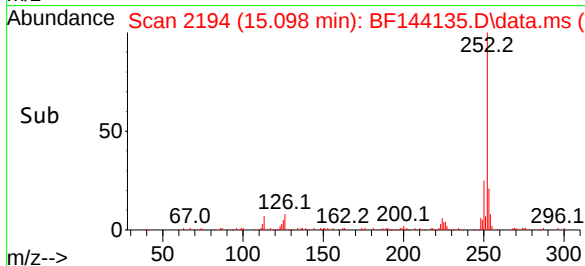
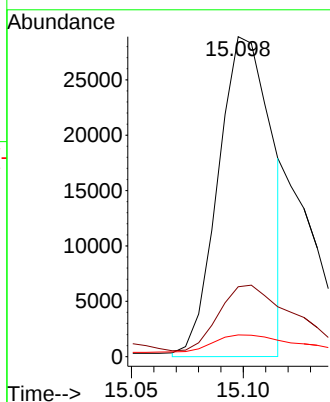
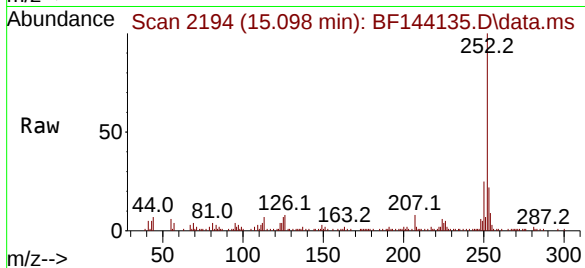
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	6.8	5.0	7.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#90

Benzo(a)pyrene

Concen: 3.154 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF144135.D

Acq: 29 Oct 2025 18:31

Tgt Ion:252 Resp: 30218

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	8.8	5.4	8.2

