

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144222.D
 Acq On : 12 Nov 2025 00:56
 Operator : RC/JU
 Sample : Q3588-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-01-11072025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Jagrut Upadhyay 11/12/2025

Quant Time: Nov 12 03:49:19 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	6.875	152	80112	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	282200	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	143865	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	222324	20.000	ng	0.00
76) Chrysene-d12	14.057	240	174804	20.000	ng	0.00
86) Perylene-d12	15.539	264	165851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	232283	45.373	ng	0.00
7) Phenol-d6	6.498	99	267001	46.029	ng	0.00
23) Nitrobenzene-d5	7.434	82	164206	33.606	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	68949	38.192	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	316215	32.463	ng	0.00
79) Terphenyl-d14	12.992	244	295694	26.869	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.869	142	35881	3.998	ng	95
38) 1-Methylnaphthalene	8.969	142	21619	2.496	ng	91
71) Phenanthrene	11.427	178	32851	2.968	ng	# 94
75) Fluoranthene	12.621	202	71101	6.218	ng	97
78) Pyrene	12.851	202	71787	5.093	ng	97
81) Benzo(a)anthracene	14.045	228	42738m	3.528	ng	
83) Chrysene	14.080	228	34908	3.121	ng	# 91
88) Benzo(b)fluoranthene	15.104	252	41726m	4.425	ng	
90) Benzo(a)pyrene	15.474	252	28459	3.272	ng	# 94

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

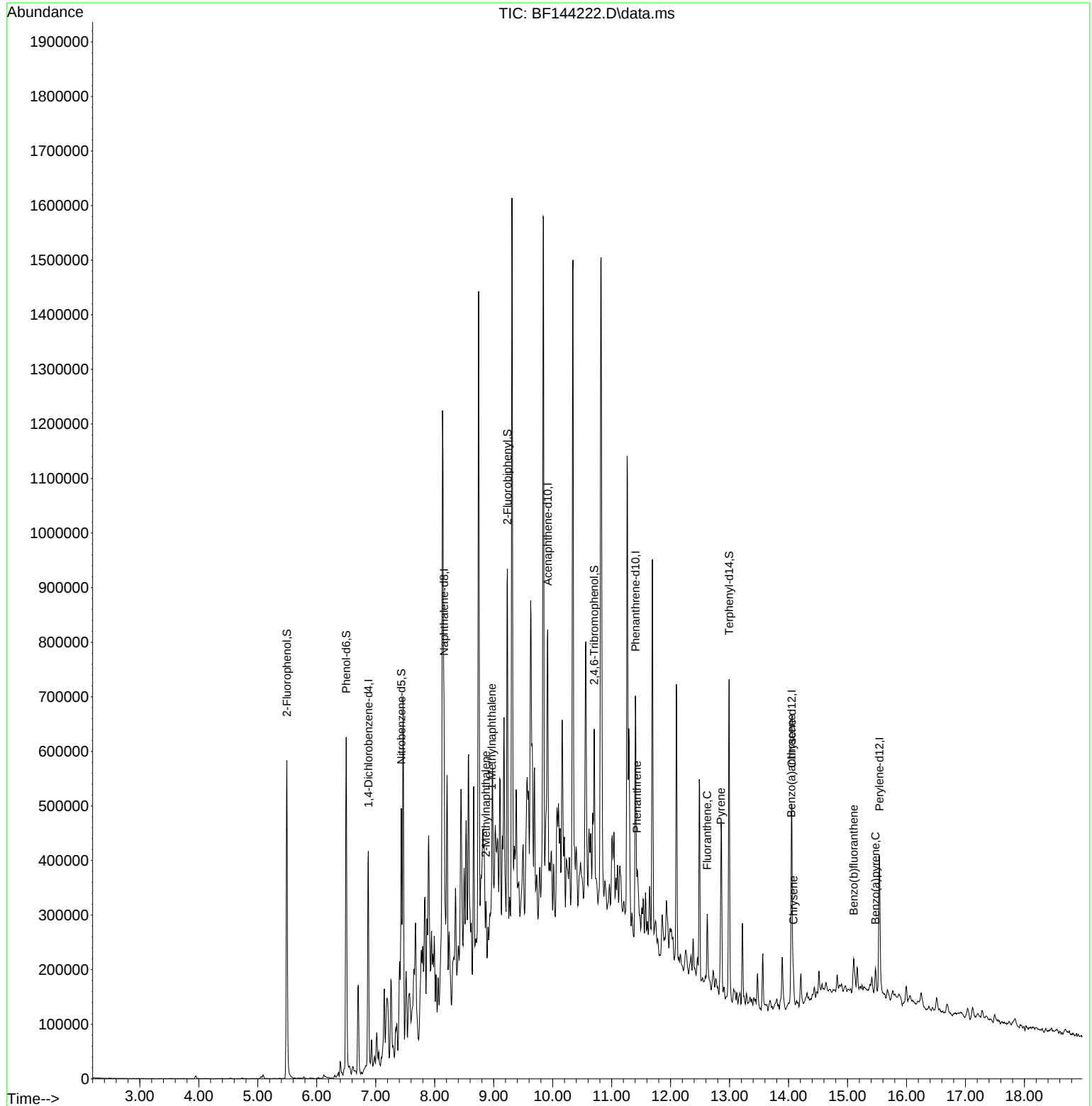
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144222.D
Acq On : 12 Nov 2025 00:56
Operator : RC/JU
Sample : Q3588-03
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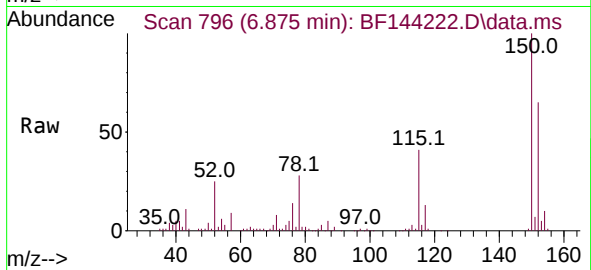
Quant Time: Nov 12 03:49:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

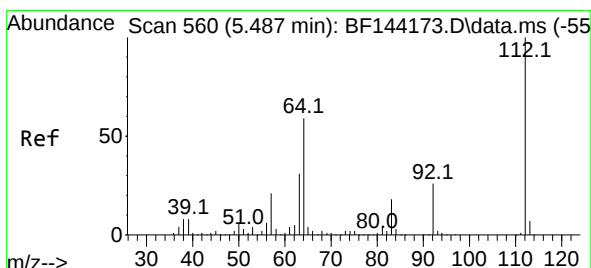
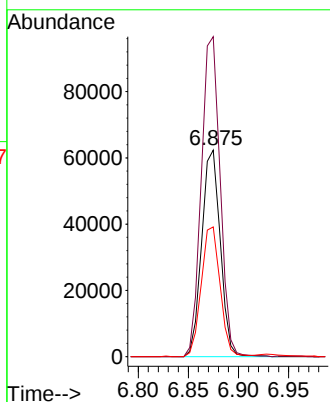
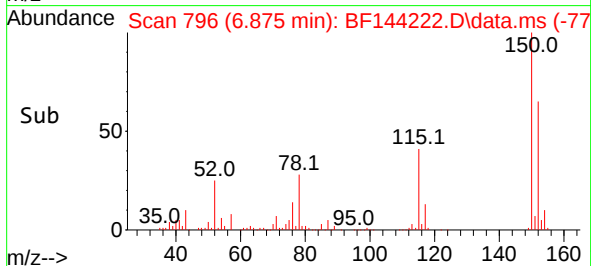
Instrument :
BNA_F
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TR-01-11072025



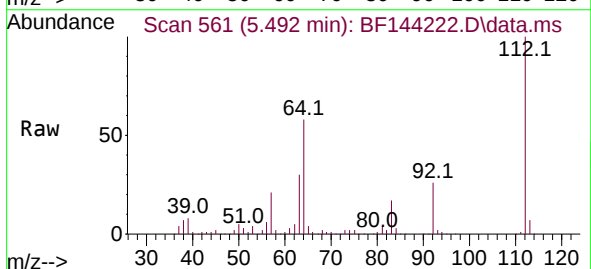
Tgt Ion:152 Resp: 80112
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.0
115 62.8 49.5 74.3

Manual Integrations
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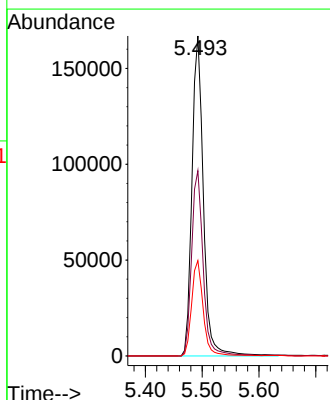
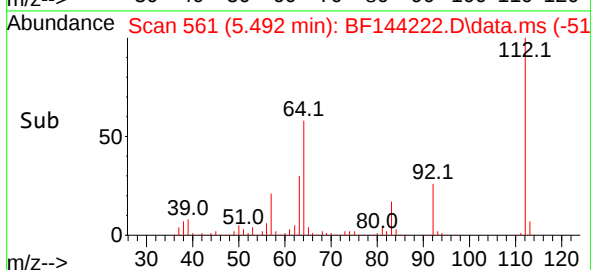
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

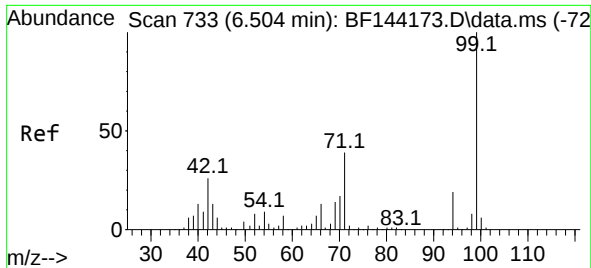


#5
2-Fluorophenol
Concen: 45.373 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56



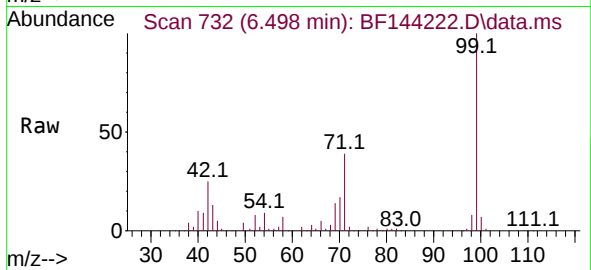
Tgt Ion:112 Resp: 232283
Ion Ratio Lower Upper
112 100
64 57.9 47.2 70.8
63 29.8 24.4 36.6





#7
Phenol-d6
Concen: 46.029 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

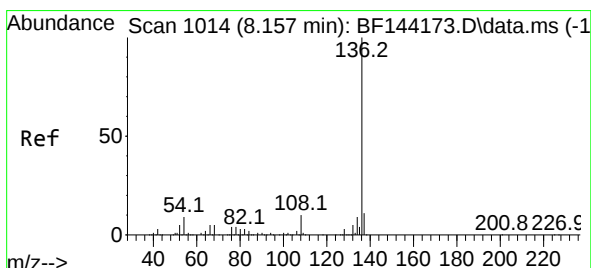
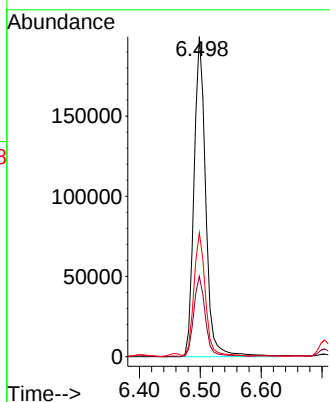
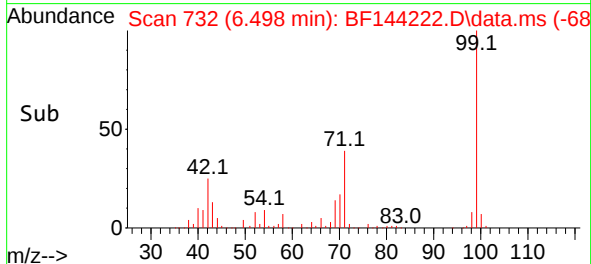
Instrument :
BNA_F
ClientSampleId :
TR-01-11072025



Tgt Ion: 99 Resp: 267001
Ion Ratio Lower Upper
99 100
42 25.1 20.9 31.3
71 38.7 31.4 47.2

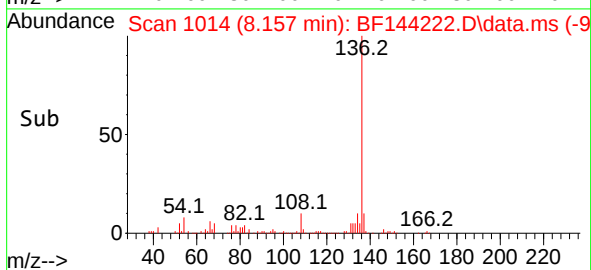
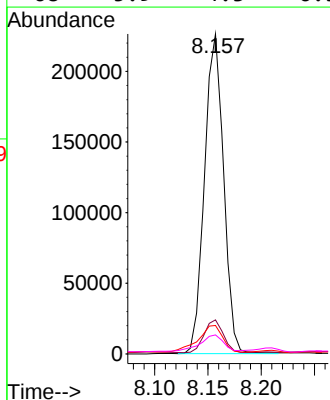
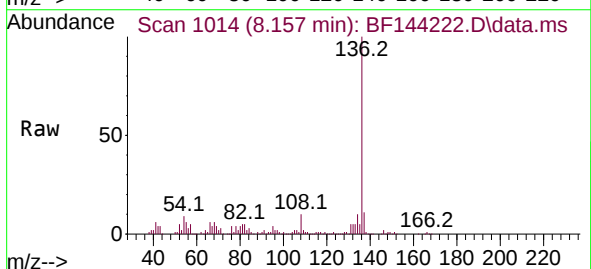
Manual Integrations
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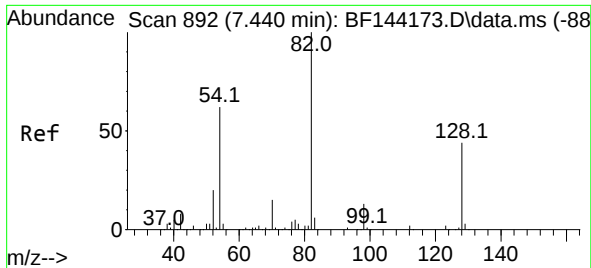
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

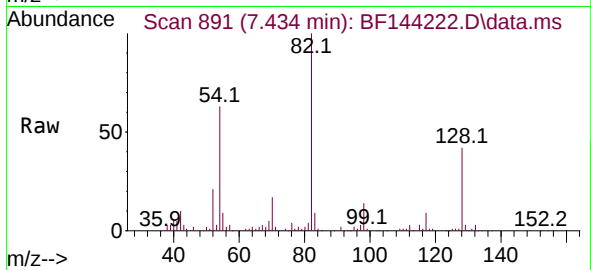
Tgt Ion:136 Resp: 282200
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.9 7.0 10.6
68 5.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 33.606 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

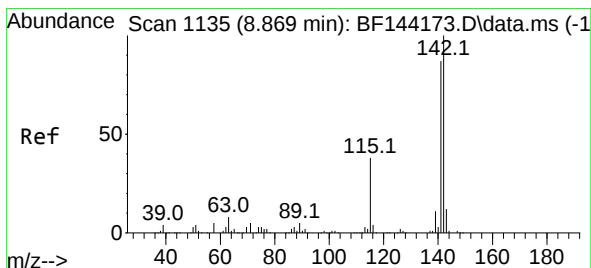
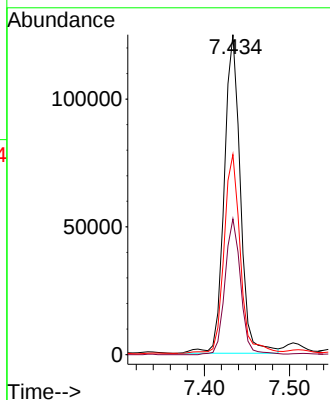
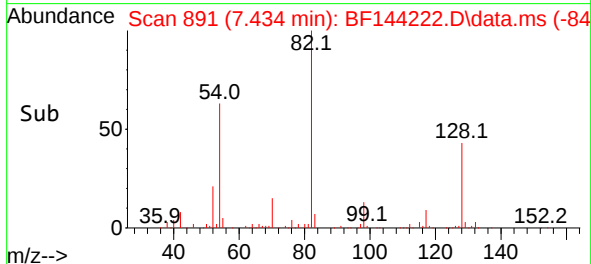
Instrument :
BNA_F
ClientSampleId :
TR-01-11072025



Tgt Ion: 82 Resp: 164206
Ion Ratio Lower Upper
82 100
128 42.4 34.7 52.1
54 62.6 49.5 74.3

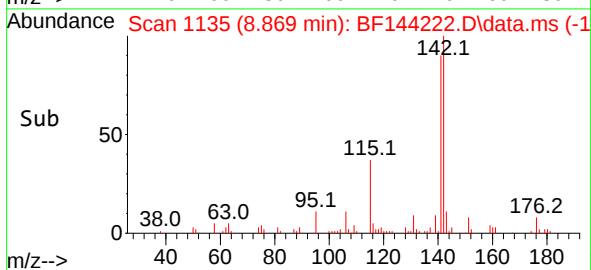
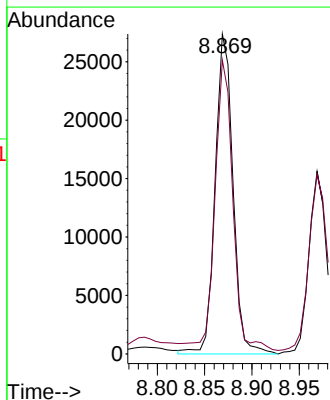
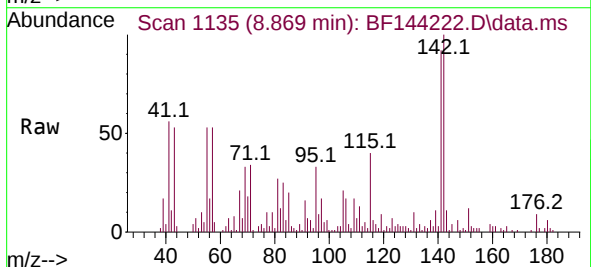
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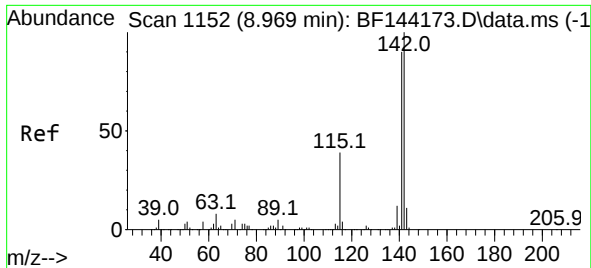
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#37
2-Methylnaphthalene
Concen: 3.998 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

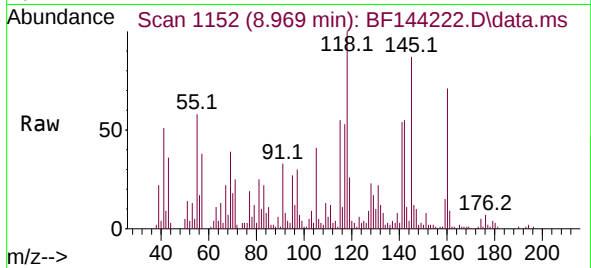
Tgt Ion:142 Resp: 35881
Ion Ratio Lower Upper
142 100
141 91.8 69.9 104.9





#38
1-Methylnaphthalene
Concen: 2.496 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

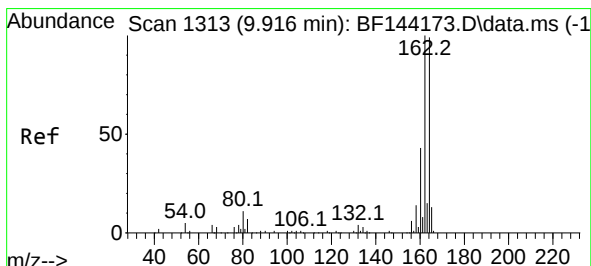
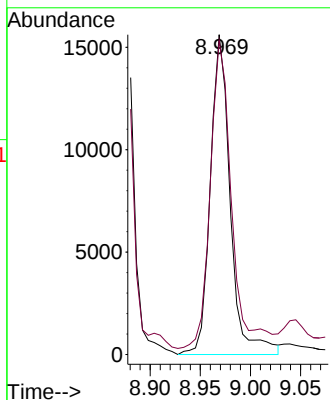
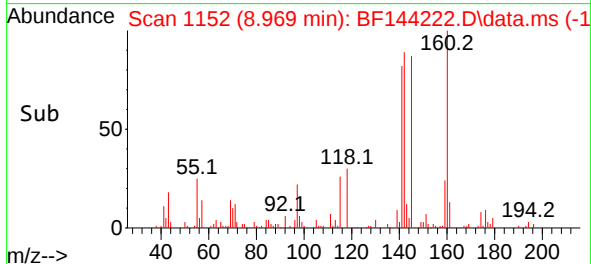
Instrument :
BNA_F
ClientSampleId :
TR-01-11072025



Tgt Ion:142 Resp: 21619
Ion Ratio Lower Upper
142 100
141 98.1 72.1 108.1

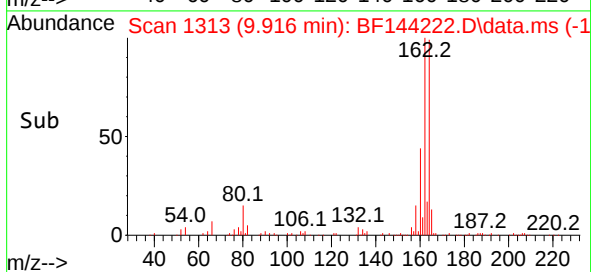
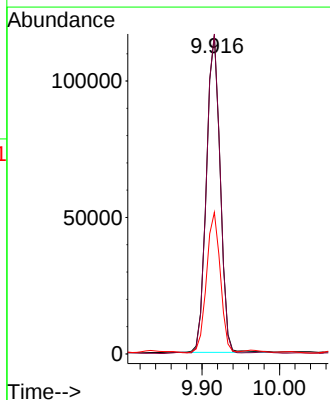
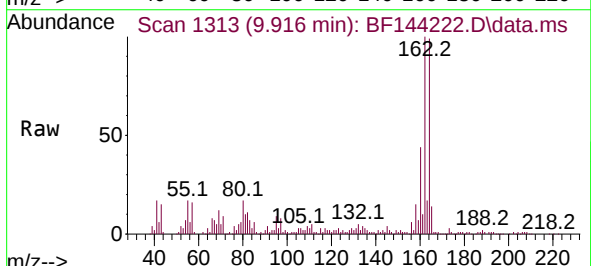
Manual Integrations
APPROVED

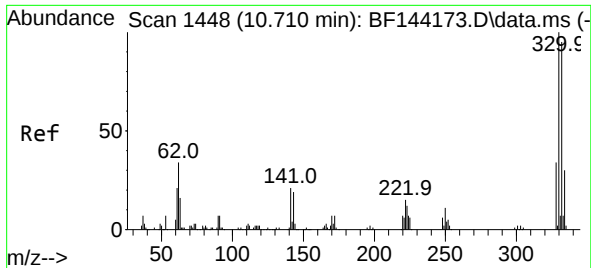
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

Tgt Ion:164 Resp: 143865
Ion Ratio Lower Upper
164 100
162 100.5 81.1 121.7
160 44.4 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 38.192 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

Instrument :

BNA_F

ClientSampleId :

TR-01-11072025

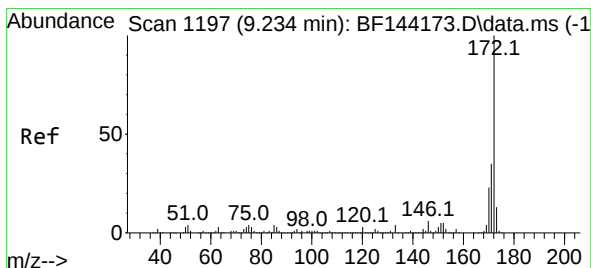
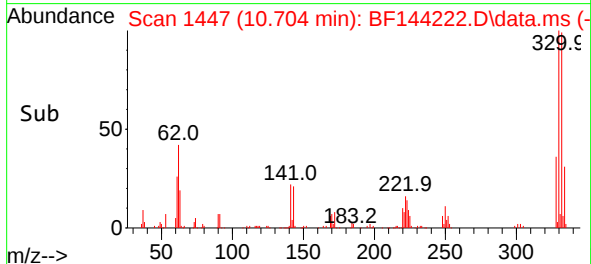
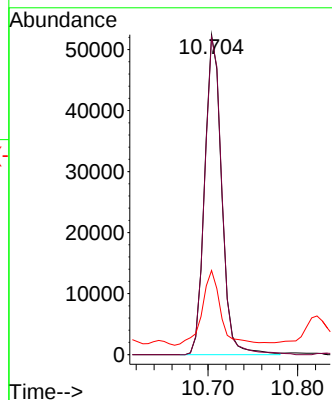
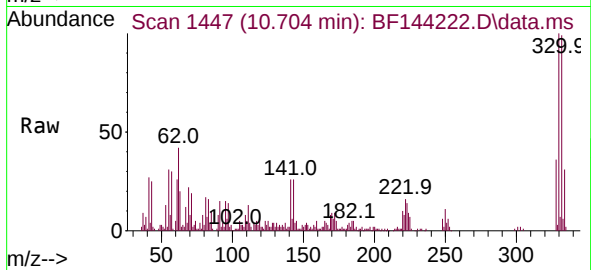
Tgt Ion:330 Resp: 68949
Ion Ratio Lower Upper
330 100
332 100.1 76.7 115.1
141 26.1 17.8 26.8

Manual Integrations

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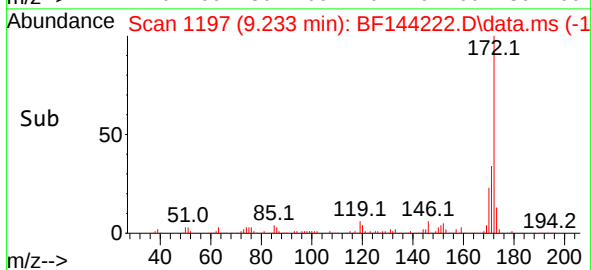
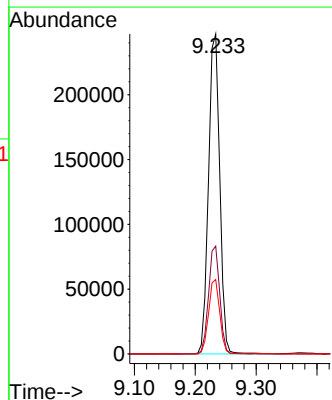
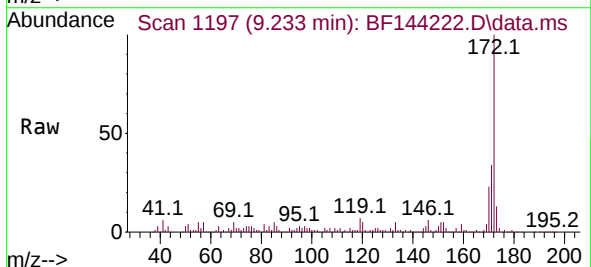
Reviewed By :Rahul Chavli 11/12/2025

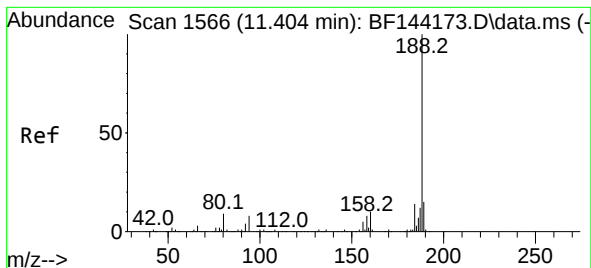
Supervised By :Jagrut Upadhyay 11/12/2025



#45
2-Fluorobiphenyl
Concen: 32.463 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

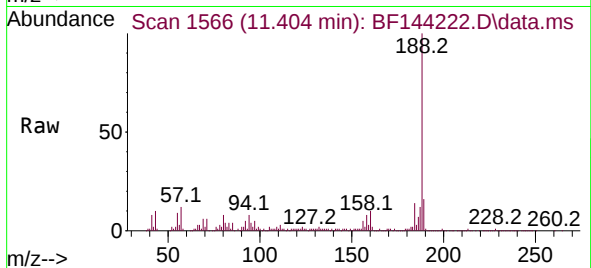
Tgt Ion:172 Resp: 316215
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

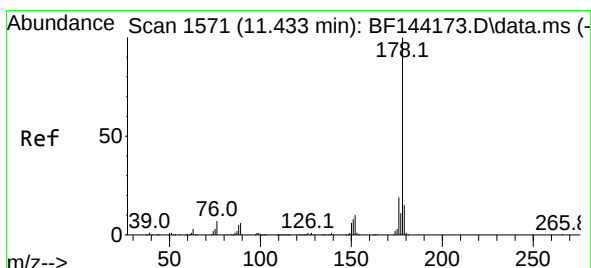
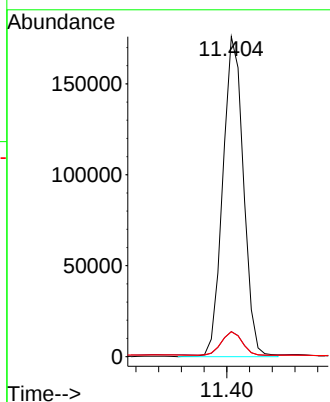
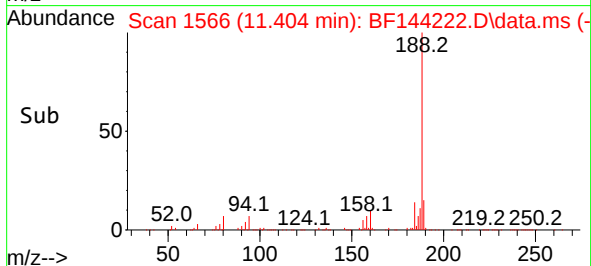
Instrument :
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ClientSampleId :
TR-01-11072025



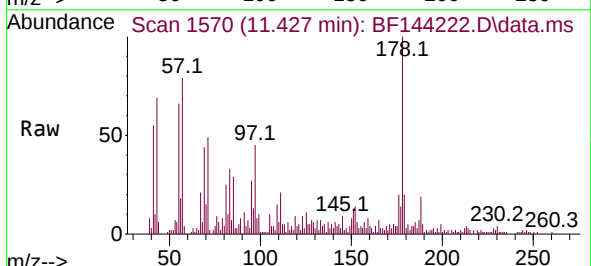
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Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.2
80 7.8 6.9 10.3

Manual Integrations
APPROVED

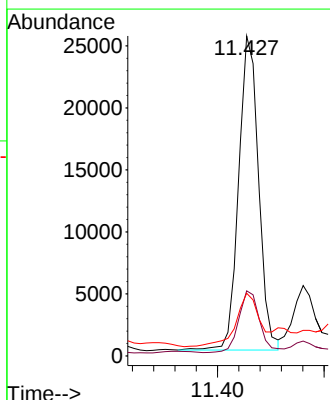
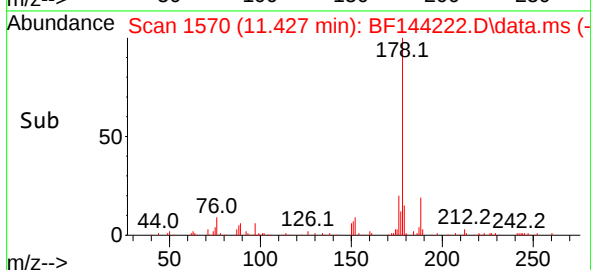
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

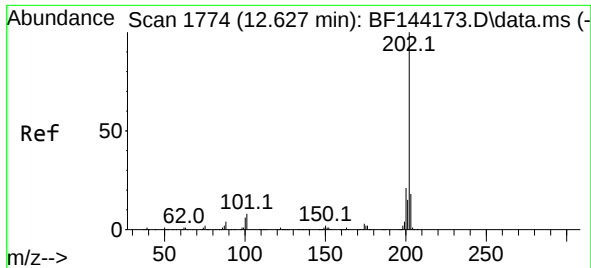


#71
Phenanthrene
Concen: 2.968 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56



Tgt Ion:178 Resp: 32851
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 19.6 12.2 18.4#





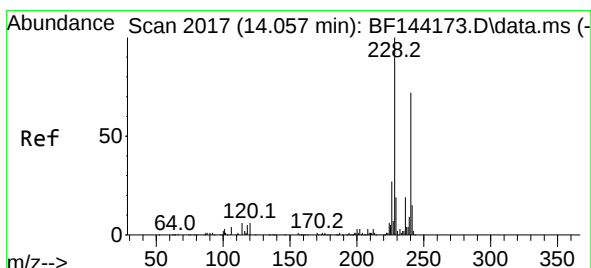
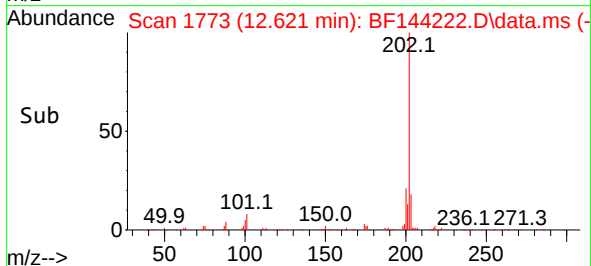
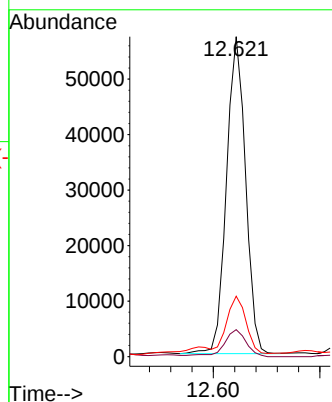
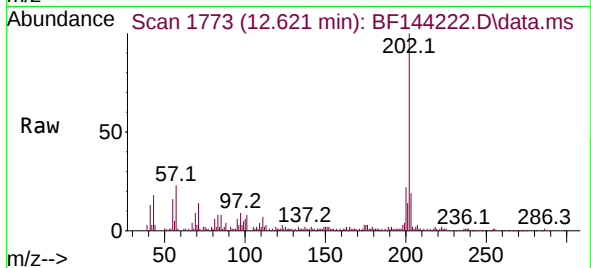
#75
Fluoranthene
Concen: 6.218 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

Instrument :
BNA_F
ClientSampleId :
TR-01-11072025

Tgt Ion:202 Resp: 71101
Ion Ratio Lower Upper
202 100
101 8.4 0.0 27.9
203 18.9 0.0 37.5

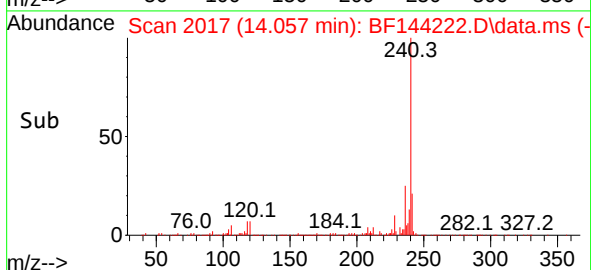
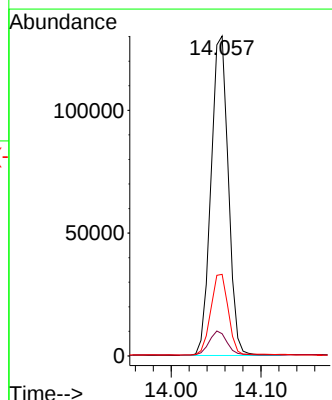
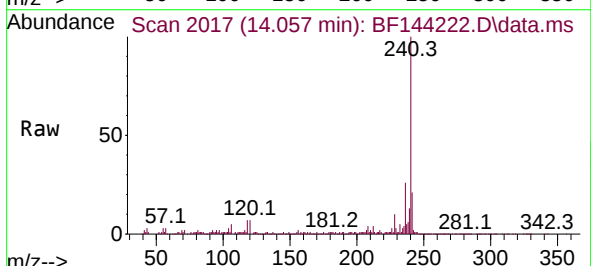
Manual Integrations
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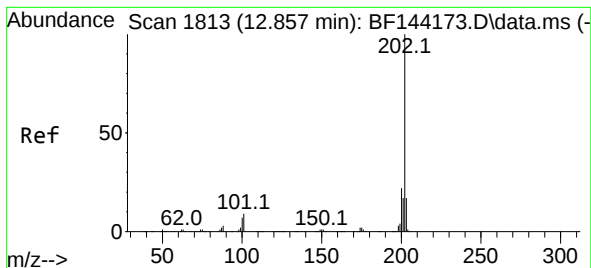
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

Tgt Ion:240 Resp: 174804
Ion Ratio Lower Upper
240 100
120 6.9 6.6 10.0
236 25.5 21.4 32.2





#78

Pyrene

Concen: 5.093 ng

RT: 12.851 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF144222.D

Acq: 12 Nov 2025 00:56

Instrument :

BNA_F

ClientSampleId :

TR-01-11072025

Tgt Ion:202 Resp: 7178

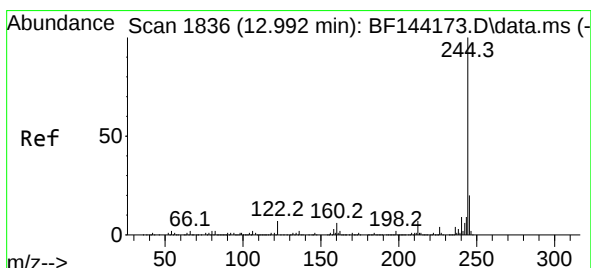
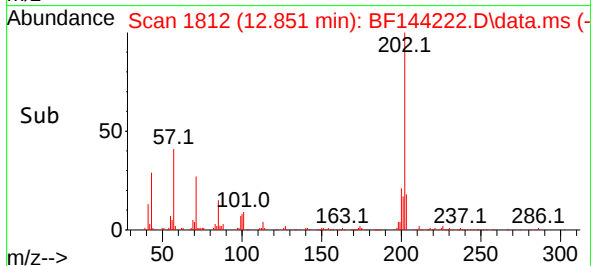
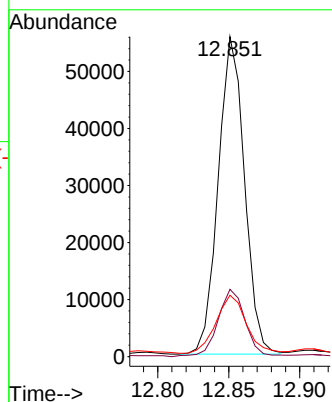
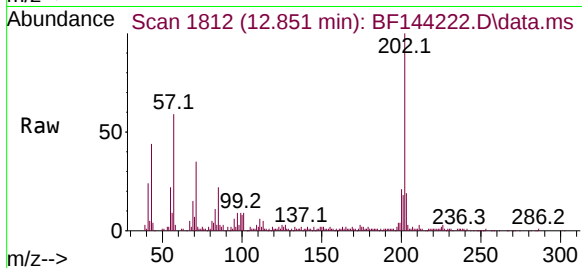
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	19.2	13.7	20.5

Manual Integrations

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Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#79

Terphenyl-d14

Concen: 26.869 ng

RT: 12.992 min Scan# 1836

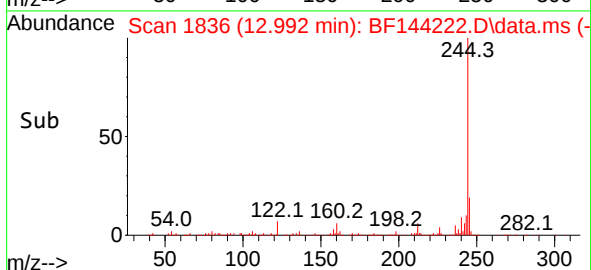
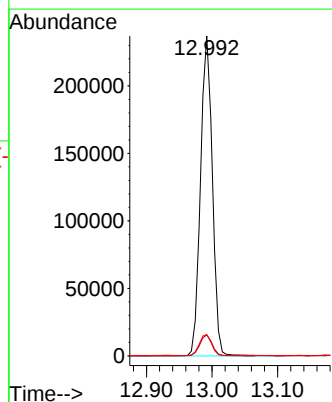
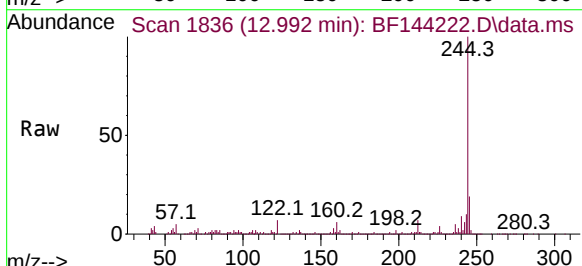
Delta R.T. -0.000 min

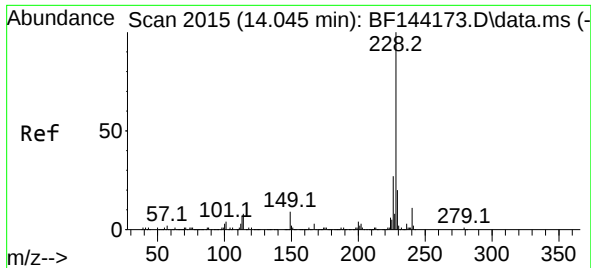
Lab File: BF144222.D

Acq: 12 Nov 2025 00:56

Tgt Ion:244 Resp: 295694

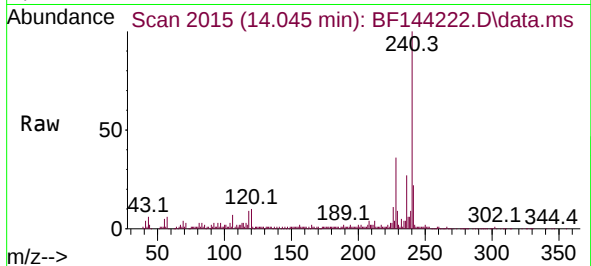
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	6.7	5.6	8.4





#81
Benzo(a)anthracene
Concen: 3.528 ng m
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

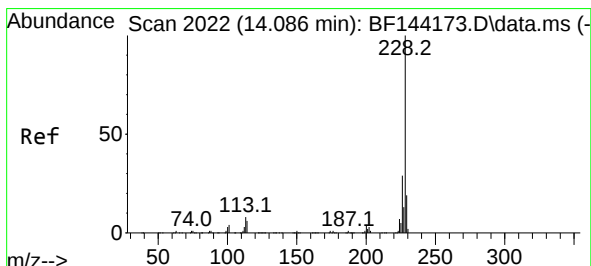
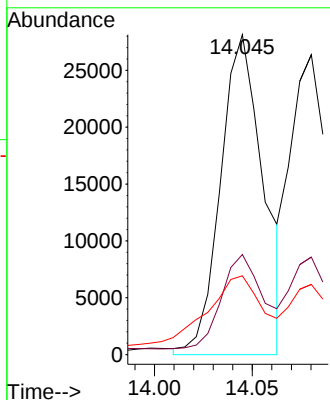
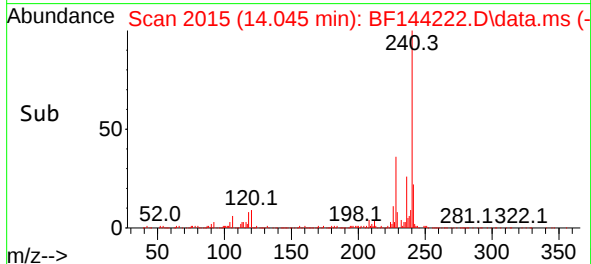
Instrument :
BNA_F
ClientSampleId :
TR-01-11072025



Tgt Ion:228 Resp: 42738
Ion Ratio Lower Upper
228 100
226 31.3 21.8 32.8
229 24.6 15.8 23.6

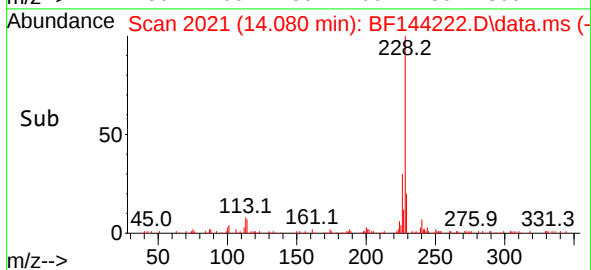
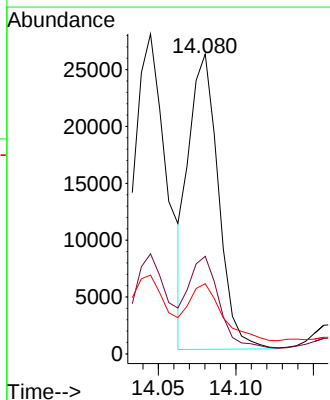
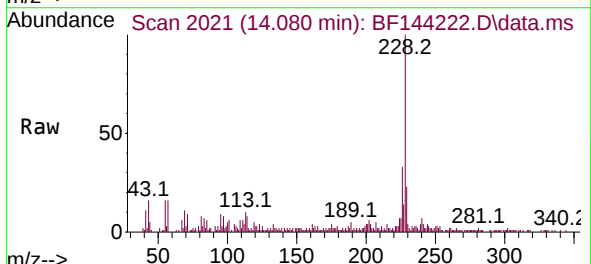
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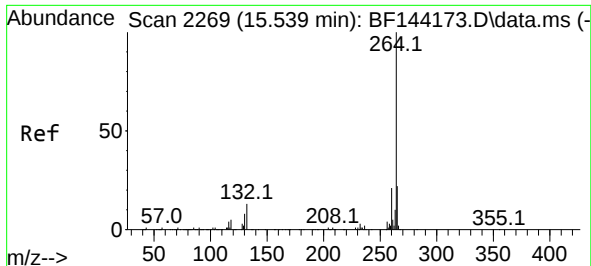
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#83
Chrysene
Concen: 3.121 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

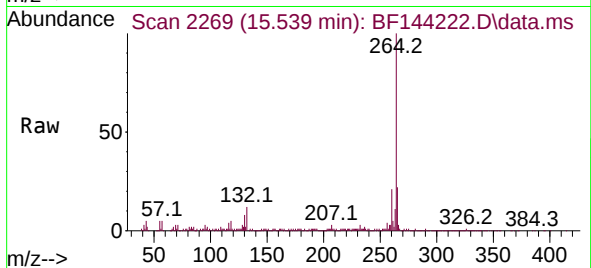
Tgt Ion:228 Resp: 34908
Ion Ratio Lower Upper
228 100
226 32.5 22.9 34.3
229 23.4 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

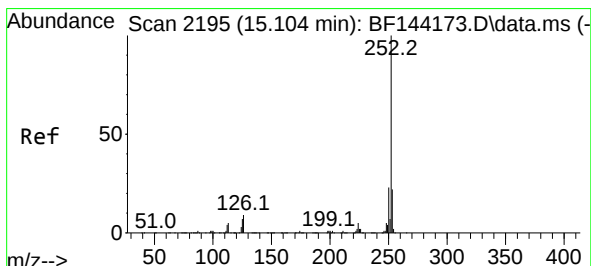
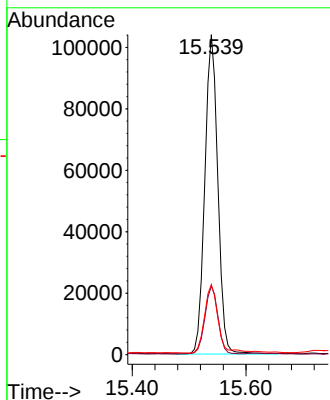
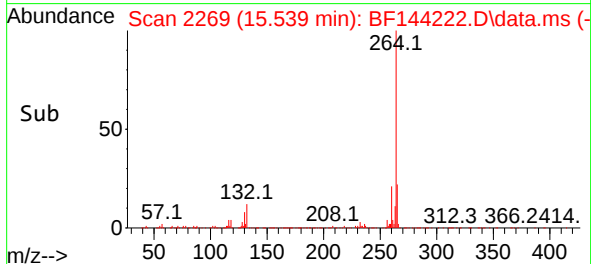
Instrument :
BNA_F
ClientSampleId :
TR-01-11072025



Tgt Ion:264 Resp: 16585
Ion Ratio Lower Upper
264 100
260 21.4 17.1 25.7
265 21.9 17.4 26.0

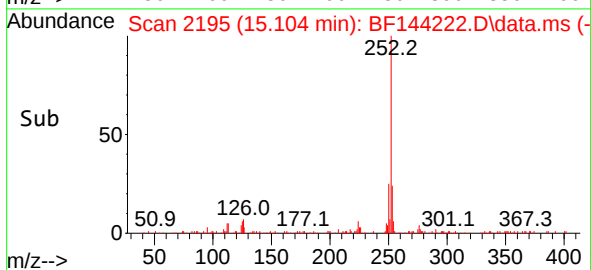
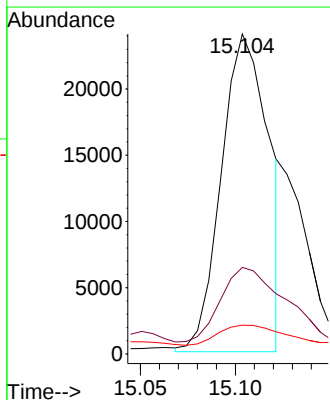
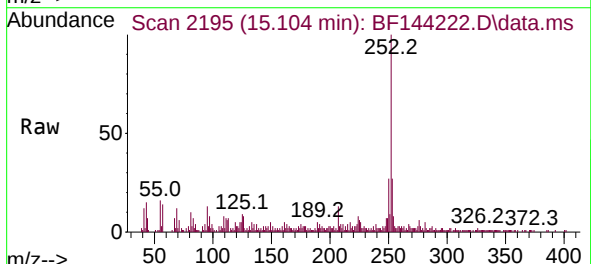
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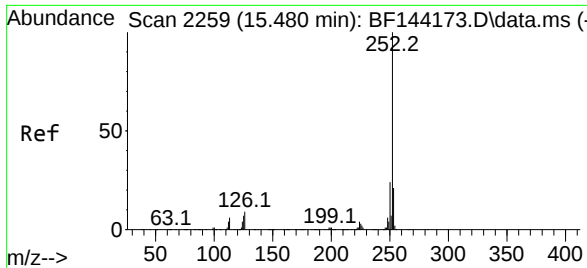
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#88
Benzo(b)fluoranthene
Concen: 4.425 ng m
RT: 15.104 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

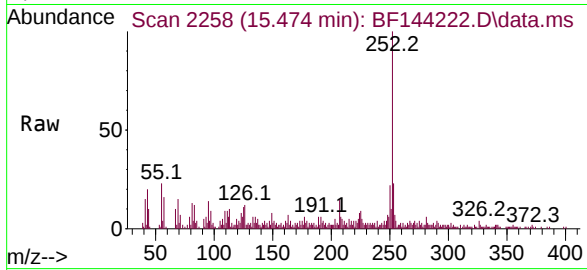
Tgt Ion:252 Resp: 41726
Ion Ratio Lower Upper
252 100
253 27.0 17.4 26.2#
125 9.0 5.3 7.9#





#90
Benzo(a)pyrene
Concen: 3.272 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.000 min
Lab File: BF144222.D
Acq: 12 Nov 2025 00:56

Instrument :
BNA_F
ClientSampleId :
TR-01-11072025



Tgt Ion: 252 Resp: 28459

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.7	25.1
125	10.8	5.7	8.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

