

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144223.D
 Acq On : 12 Nov 2025 01:25
 Operator : RC/JU
 Sample : Q3590-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0314-0316-COMP

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 03:49:42 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	62566	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	204439	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	81045	20.000	ng	0.01
64) Phenanthrene-d10	11.445	188	93688	20.000	ng	# 0.04
76) Chrysene-d12	14.080	240	144138	20.000	ng	# 0.03
86) Perylene-d12	15.551	264	155187	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	310315	77.615	ng	0.00
7) Phenol-d6	6.498	99	356801	78.760	ng	0.00
23) Nitrobenzene-d5	7.434	82	208987	59.040	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	92378	90.832	ng	0.02
45) 2-Fluorobiphenyl	9.234	172	344083	62.704	ng	0.00
79) Terphenyl-d14	13.039	244	358037	39.456	ng	0.05
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.339	154	46346	8.192	ng	95
75) Fluoranthene	12.680	202	59942	12.440	ng	# 53
81) Benzo(a)anthracene	14.074	228	23612	2.364	ng	# 60
83) Chrysene	14.104	228	44224	4.796	ng	# 83
88) Benzo(b)fluoranthene	15.121	252	41836m	4.742	ng	
89) Benzo(k)fluoranthene	15.133	252	17133m	2.075	ng	

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

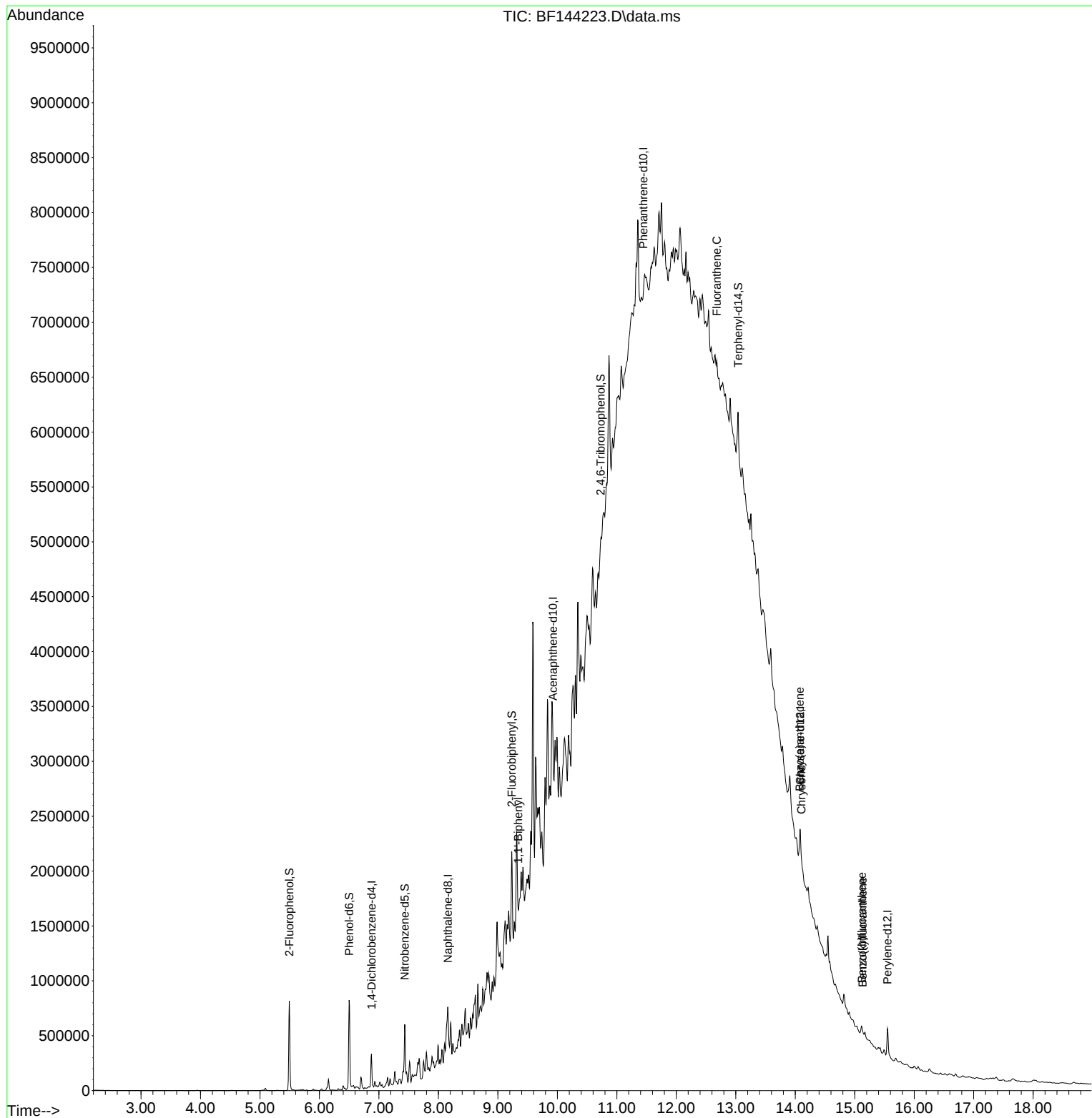
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144223.D
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ALS Vial : 18 Sample Multiplier: 1

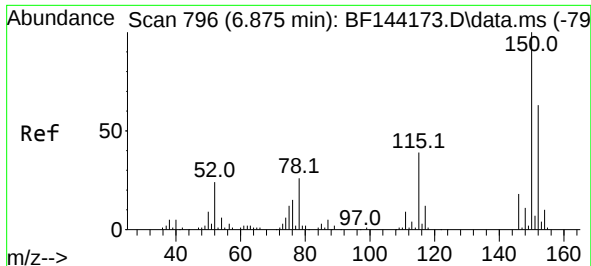
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Quant Time: Nov 12 03:49:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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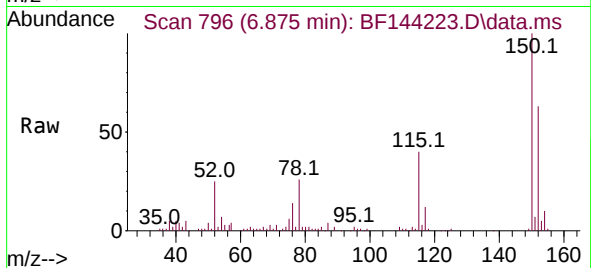
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

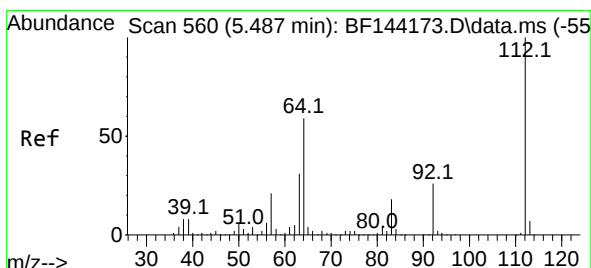
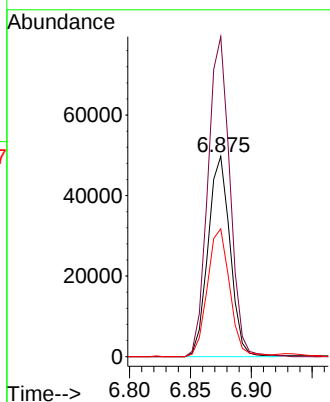
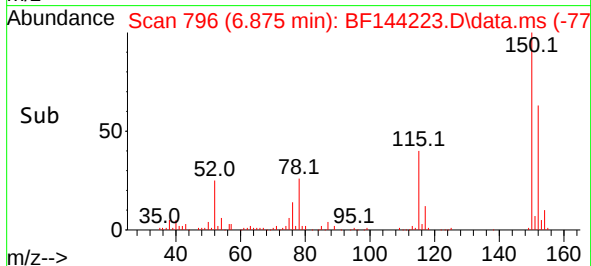
Instrument :
BNA_F
ClientSampleId :
MOO-25-0314-0316-COMP



Tgt Ion:152 Resp: 62566
Ion Ratio Lower Upper
152 100
150 159.8 127.4 191.0
115 63.8 49.5 74.3

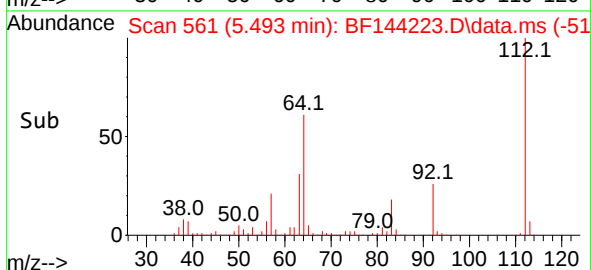
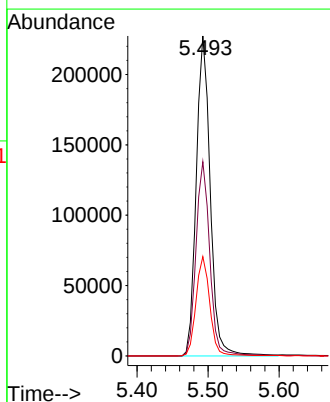
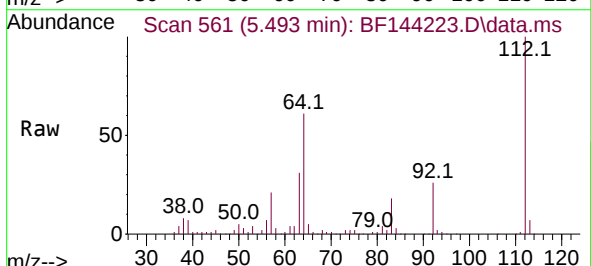
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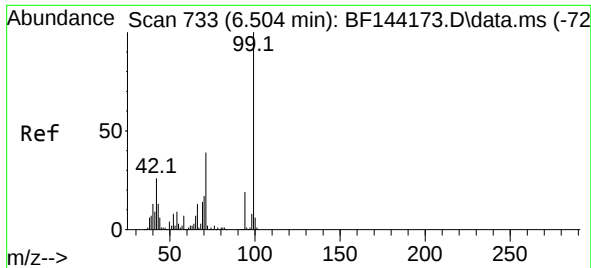
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#5
2-Fluorophenol
Concen: 77.615 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

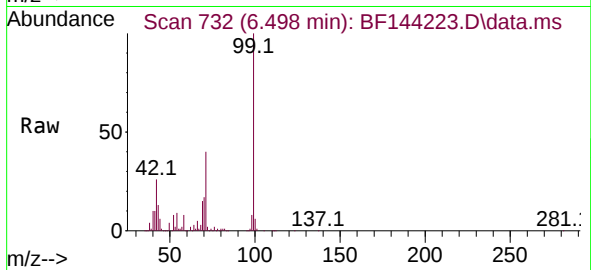
Tgt Ion:112 Resp: 310315
Ion Ratio Lower Upper
112 100
64 60.7 47.2 70.8
63 31.0 24.4 36.6





#7
Phenol-d6
Concen: 78.760 ng
RT: 6.498 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

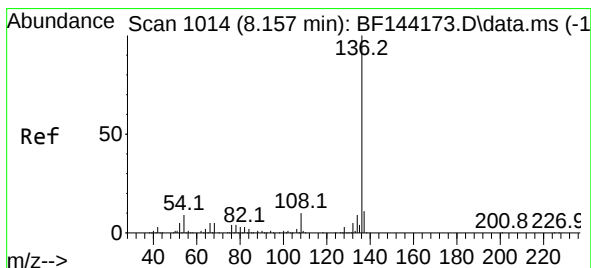
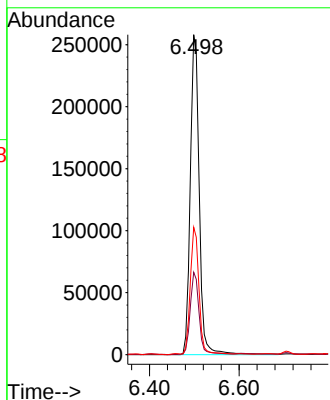
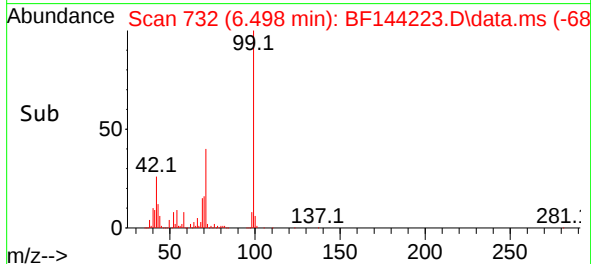
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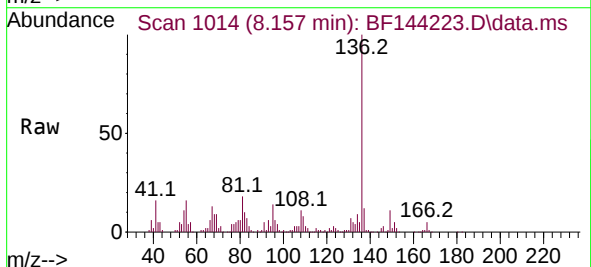
Tgt Ion: 99 Resp: 356801
Ion Ratio Lower Upper
99 100
42 25.7 20.9 31.3
71 39.8 31.4 47.2

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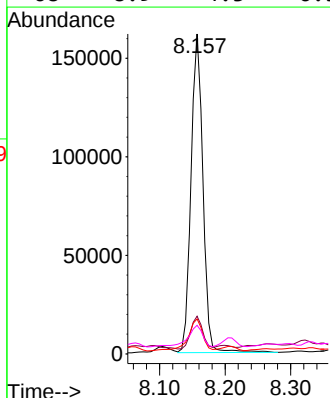
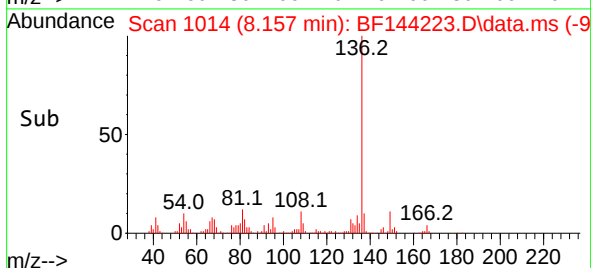
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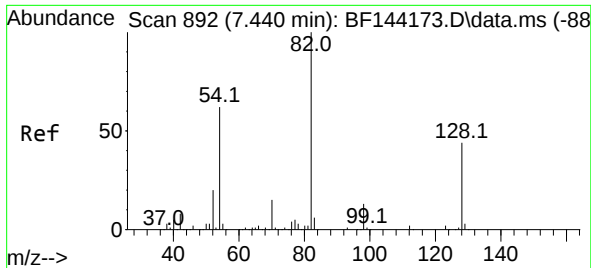


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25



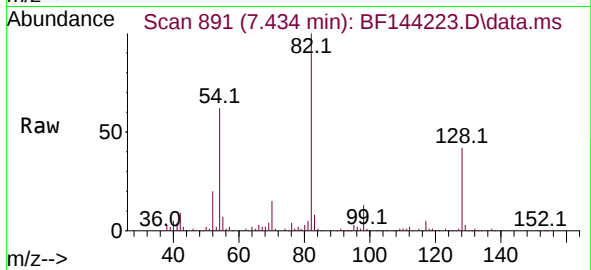
Tgt Ion:136 Resp: 204439
Ion Ratio Lower Upper
136 100
137 11.8 8.6 13.0
54 10.9 7.0 10.6#
68 8.9 4.3 6.5#





#23
Nitrobenzene-d5
Concen: 59.040 ng
RT: 7.434 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

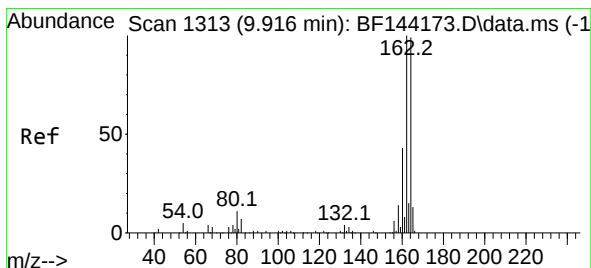
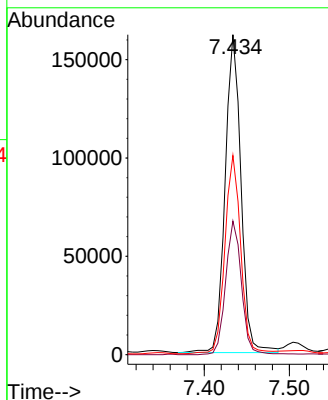
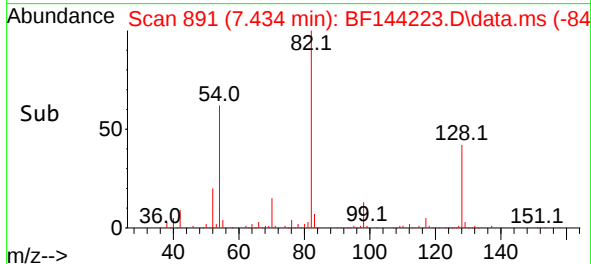
Instrument :
BNA_F
ClientSampleId :
MOO-25-0314-0316-COMP



Tgt Ion: 82 Resp: 20898
Ion Ratio Lower Upper
82 100
128 41.7 34.7 52.1
54 62.2 49.5 74.3

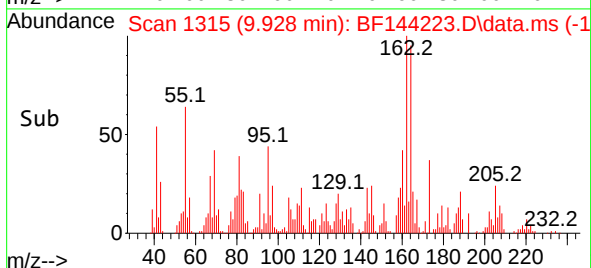
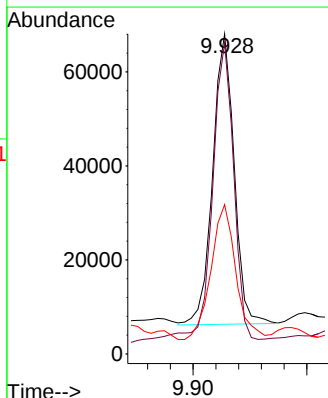
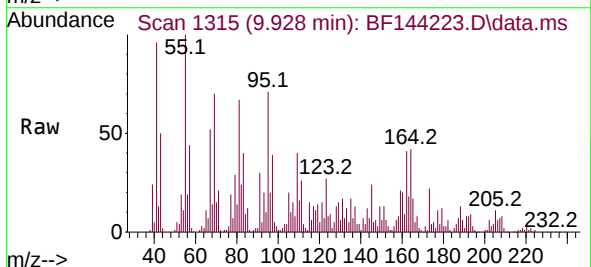
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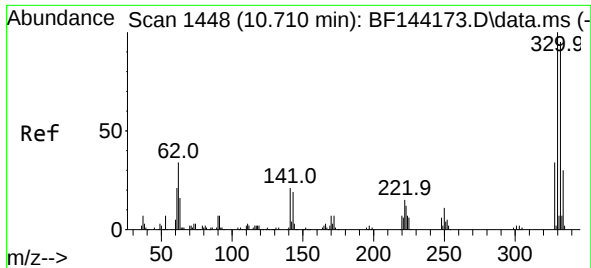
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.012 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

Tgt Ion:164 Resp: 81045
Ion Ratio Lower Upper
164 100
162 97.3 81.1 121.7
160 46.6 34.5 51.7





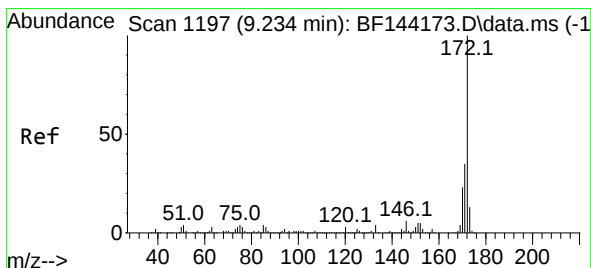
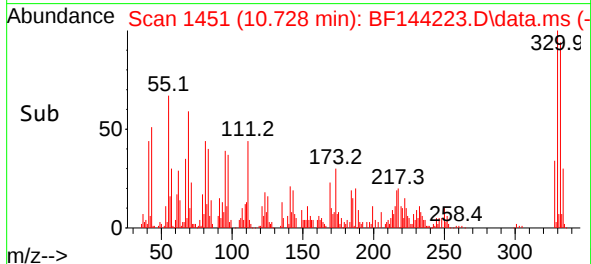
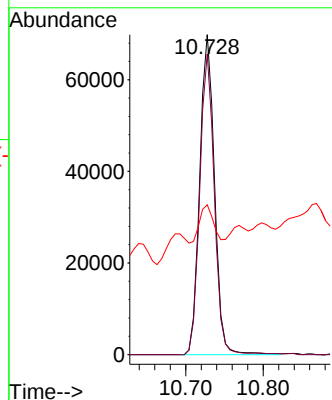
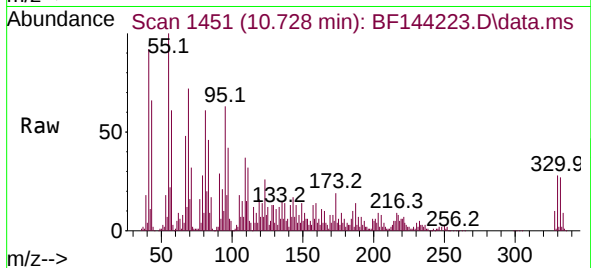
#42
2,4,6-Tribromophenol
Concen: 90.832 ng
RT: 10.728 min Scan# 1448
Delta R.T. 0.024 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

Instrument :
BNA_F
ClientSampleId :
MOO-25-0314-0316-COMP

Tgt Ion: 330 Resp: 92378
Ion Ratio Lower Upper
330 100
332 92.0 76.7 115.1
141 11.0 17.8 26.8

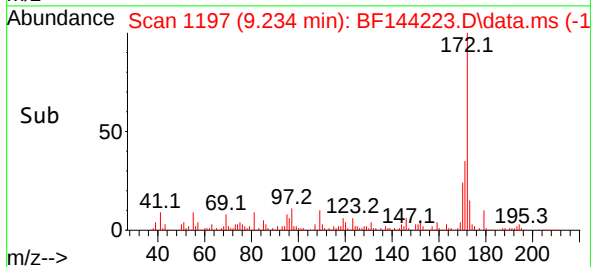
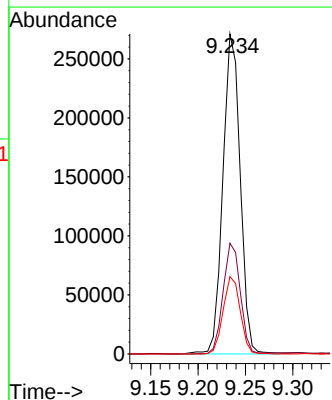
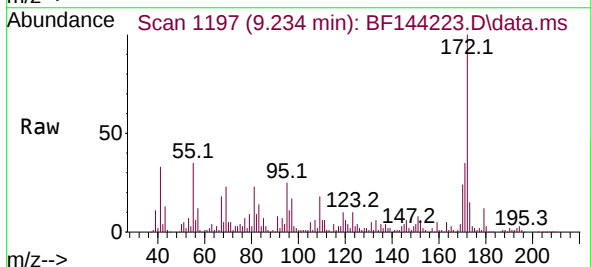
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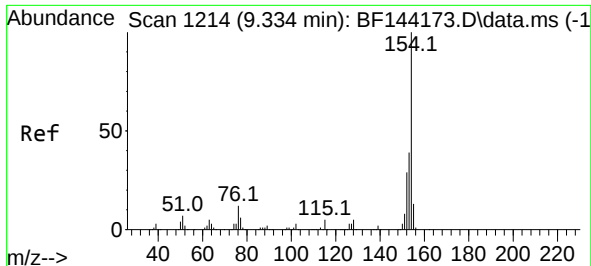
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Supervised By :Jagrut Upadhyay 11/12/2025



#45
2-Fluorobiphenyl
Concen: 62.704 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

Tgt Ion: 172 Resp: 344083
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 24.2 18.6 28.0





#46

1,1'-Biphenyl

Concen: 8.192 ng

RT: 9.339 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF144223.D

Acq: 12 Nov 2025 01:25

Instrument :

BNA_F

ClientSampleId :

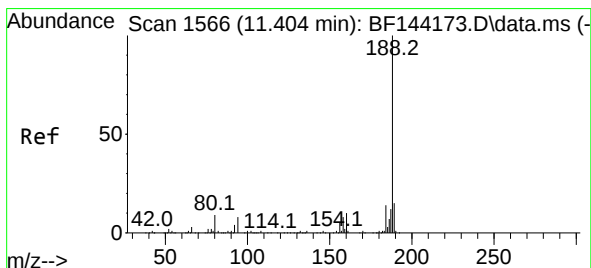
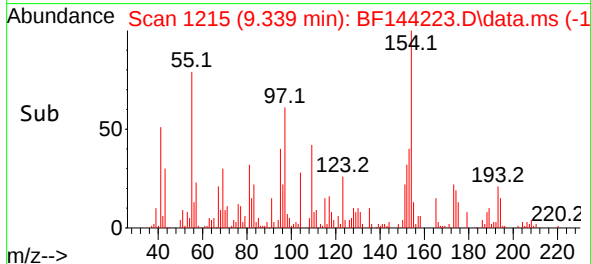
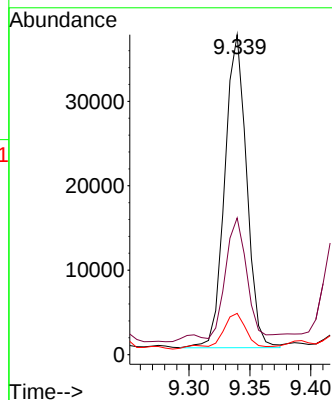
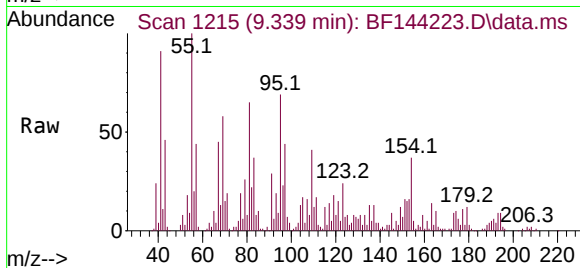
MOO-25-0314-0316-COMP

Tgt Ion:154 Resp: 46346
 Ion Ratio Lower Upper
 154 100
 153 42.8 19.2 59.2
 76 12.9 0.0 31.8

Manual Integrations
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#64

Phenanthrene-d10

Concen: 20.000 ng

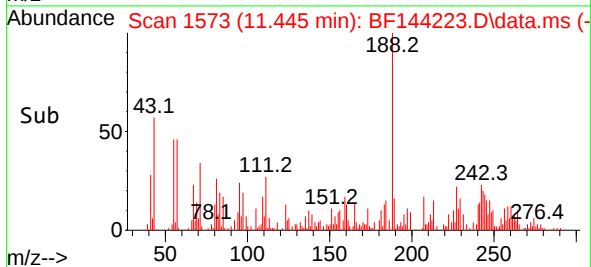
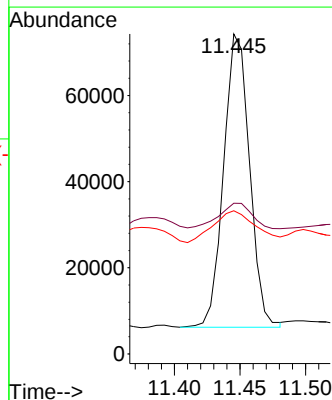
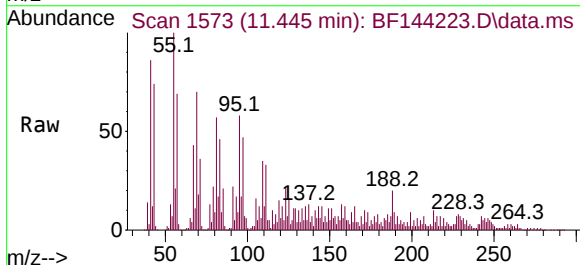
RT: 11.445 min Scan# 1573

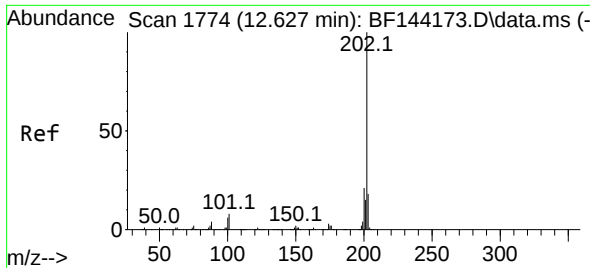
Delta R.T. 0.041 min

Lab File: BF144223.D

Acq: 12 Nov 2025 01:25

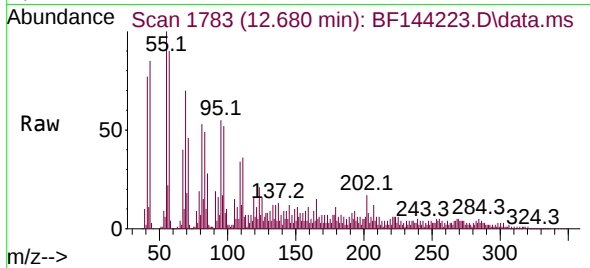
Tgt Ion:188 Resp: 93688
 Ion Ratio Lower Upper
 188 100
 94 47.1 6.2 9.2#
 80 44.7 6.9 10.3#





#75
Fluoranthene
Concen: 12.440 ng
RT: 12.680 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

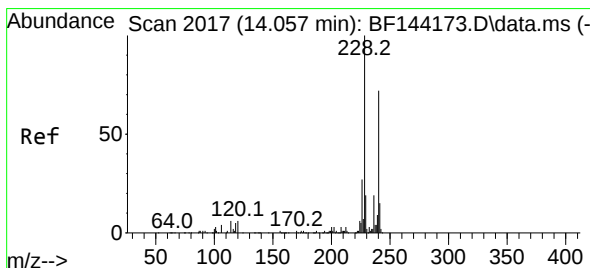
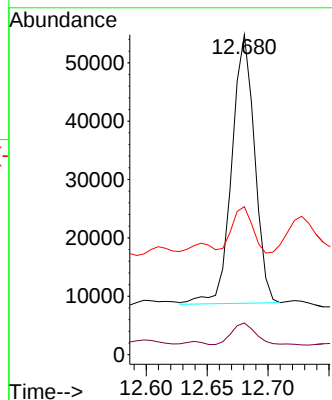
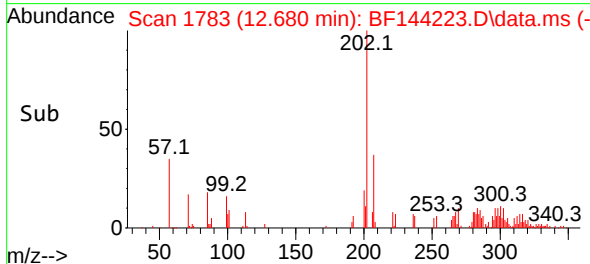
Instrument :
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Tgt Ion:202 Resp: 59942
Ion Ratio Lower Upper
202 100
101 9.9 0.0 27.9
203 46.2 0.0 37.5

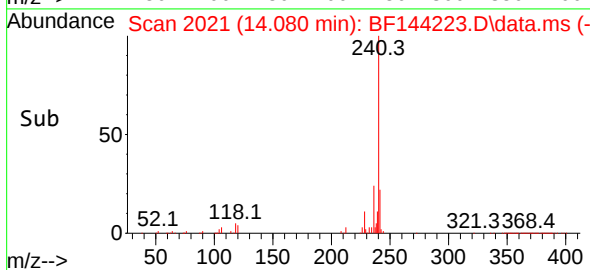
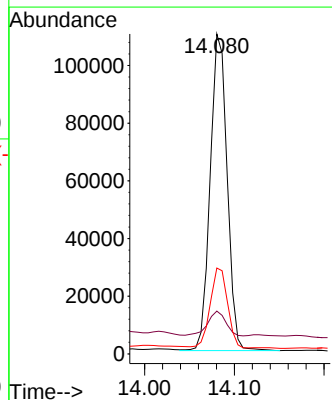
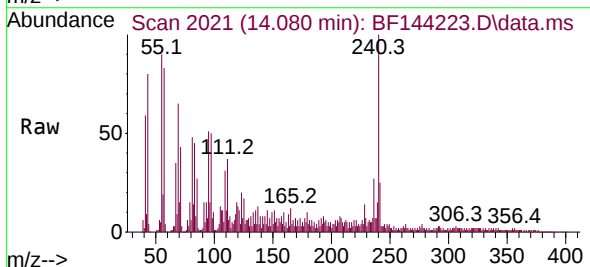
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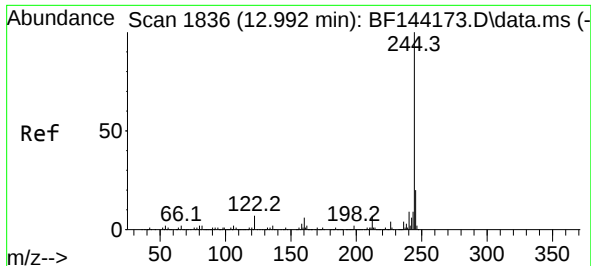
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.029 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

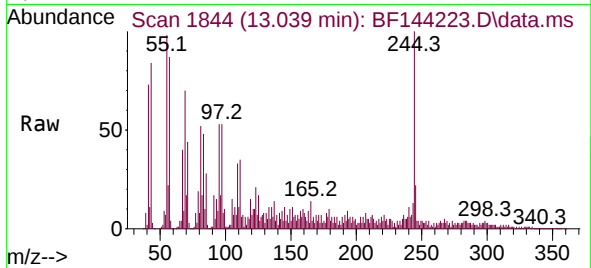
Tgt Ion:240 Resp: 144138
Ion Ratio Lower Upper
240 100
120 13.4 6.6 10.0#
236 26.8 21.4 32.2





#79
 Terphenyl-d14
 Concen: 39.456 ng
 RT: 13.039 min Scan# 1836
 Delta R.T. 0.047 min
 Lab File: BF144223.D
 Acq: 12 Nov 2025 01:25

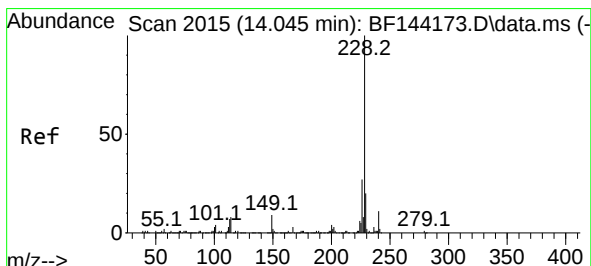
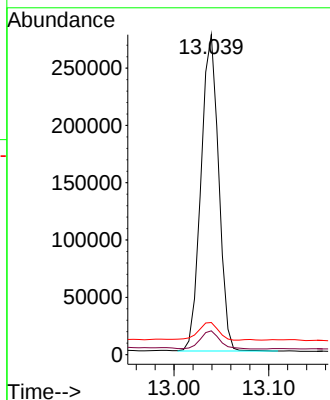
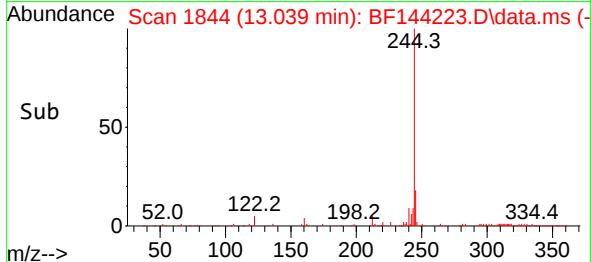
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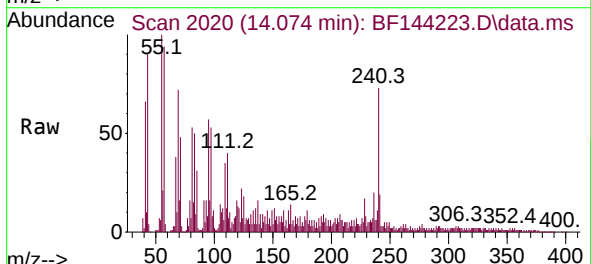
Tgt Ion:244 Resp: 358037
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.3 7.9
 122 10.0 5.6 8.4

Manual Integrations
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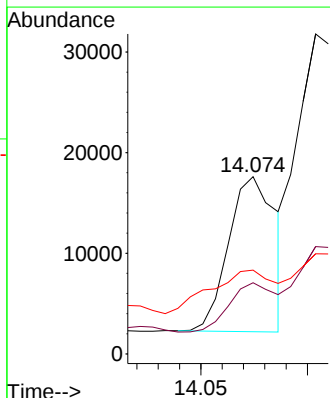
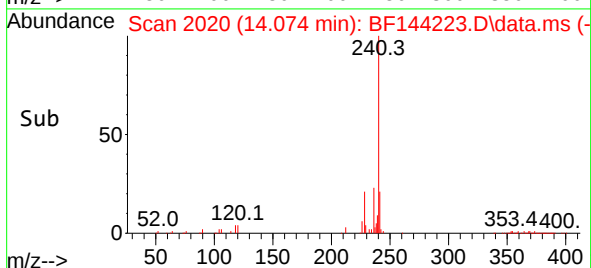
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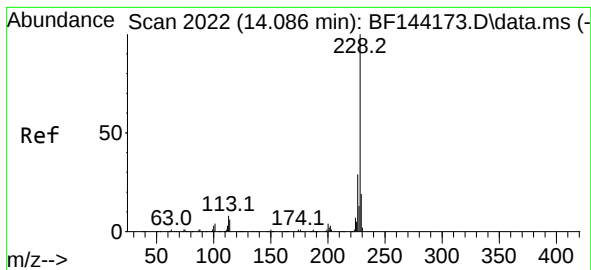


#81
 Benzo(a)anthracene
 Concen: 2.364 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. 0.029 min
 Lab File: BF144223.D
 Acq: 12 Nov 2025 01:25



Tgt Ion:228 Resp: 23612
 Ion Ratio Lower Upper
 228 100
 226 40.1 21.8 32.8#
 229 47.3 15.8 23.6#





#83

Chrysene

Concen: 4.796 ng

RT: 14.104 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF144223.D

Acq: 12 Nov 2025 01:25

Instrument :

BNA_F

ClientSampleId :

MOO-25-0314-0316-COMP

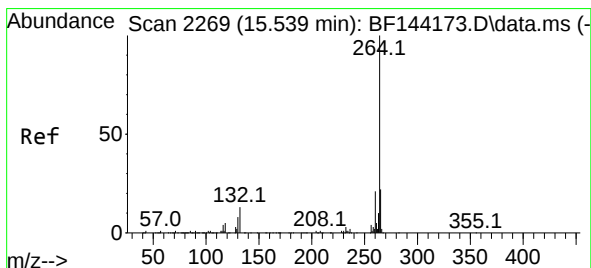
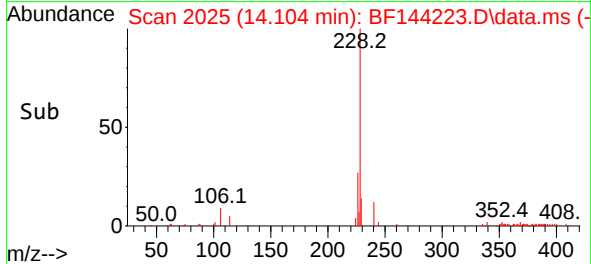
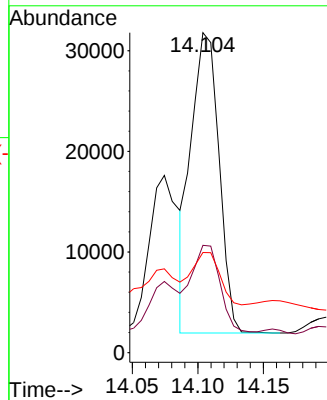
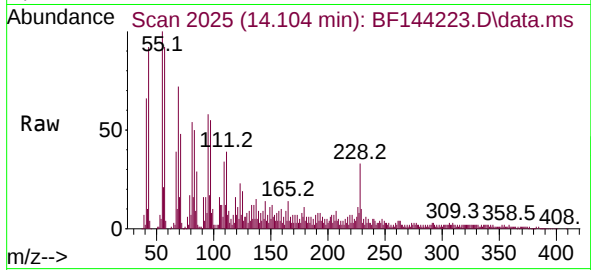
Tgt Ion:228	Resp: 44224
Ion Ratio	Lower Upper
228 100	
226 33.5	22.9 34.3
229 31.3	15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#86

Perylene-d12

Concen: 20.000 ng

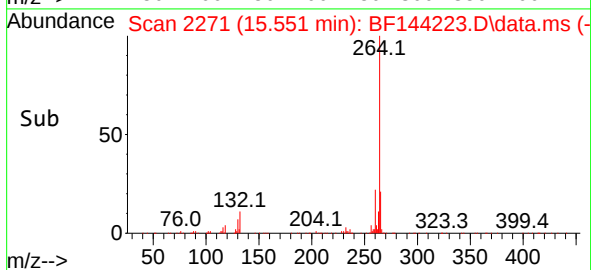
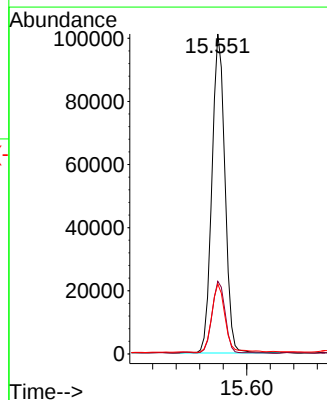
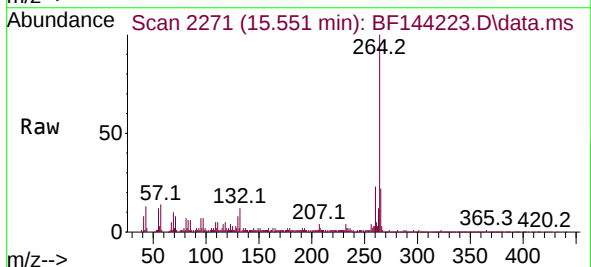
RT: 15.551 min Scan# 2271

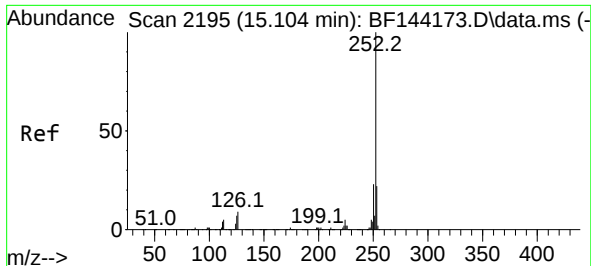
Delta R.T. 0.012 min

Lab File: BF144223.D

Acq: 12 Nov 2025 01:25

Tgt Ion:264	Resp: 155187
Ion Ratio	Lower Upper
264 100	
260 22.7	17.1 25.7
265 21.8	17.4 26.0





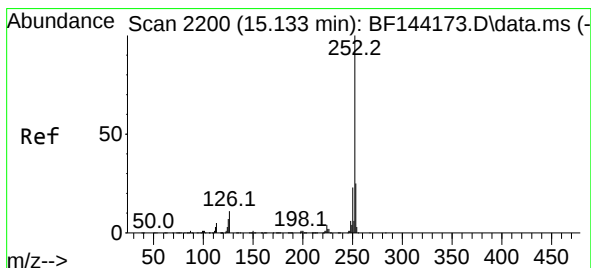
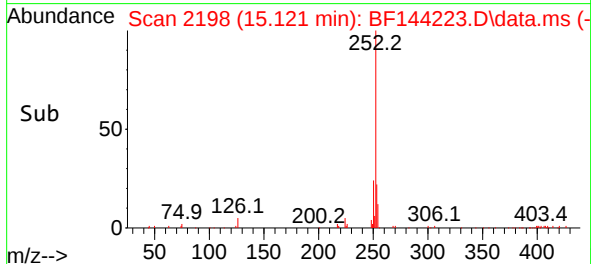
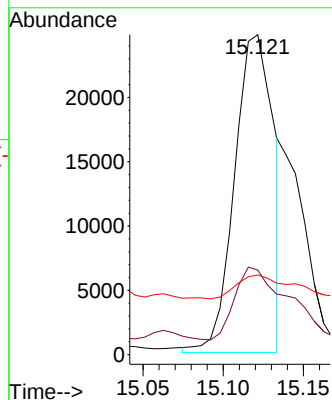
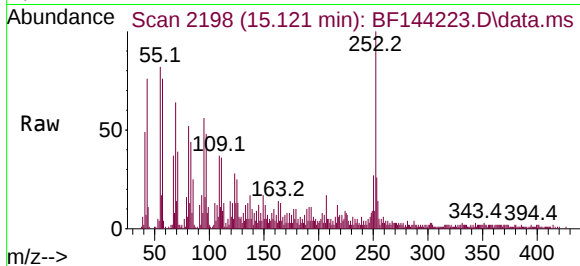
#88
Benzo(b)fluoranthene
Concen: 4.742 ng m
RT: 15.121 min Scan# 2195
Delta R.T. 0.024 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

Instrument :
BNA_F
ClientSampleId :
MOO-25-0314-0316-COMP

Tgt Ion:252 Resp: 41836
Ion Ratio Lower Upper
252 100
253 26.4 17.4 26.2#
125 24.9 5.3 7.9#

Manual Integrations
APPROVED

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



#89
Benzo(k)fluoranthene
Concen: 2.075 ng m
RT: 15.133 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF144223.D
Acq: 12 Nov 2025 01:25

Tgt Ion:252 Resp: 17133
Ion Ratio Lower Upper
252 100
253 27.9 18.0 27.0#
125 33.0 5.4 8.2#

