

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144027.D
 Acq On : 21 Oct 2025 22:24
 Operator : RC/JU
 Sample : Q3402-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-LA

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/22/2025
 Supervised By :Jagrut Upadhyay 10/22/2025

Quant Time: Oct 22 11:13:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113279	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	431353	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	220973	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	360663	20.000	ng	0.00
76) Chrysene-d12	14.057	240	293573	20.000	ng	-0.01
86) Perylene-d12	15.545	264	314832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	401161	56.236	ng	0.00
7) Phenol-d6	6.504	99	450204	52.948	ng	-0.01
23) Nitrobenzene-d5	7.439	82	292088	41.140	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	96034	43.633	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	389572	27.974	ng	-0.01
79) Terphenyl-d14	12.998	244	355273	20.683	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	42691	2.442	ng	97
75) Fluoranthene	12.627	202	71573	3.963	ng	98
78) Pyrene	12.857	202	61586	2.516	ng	95
88) Benzo(b)fluoranthene	15.110	252	41448m	2.292	ng	

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

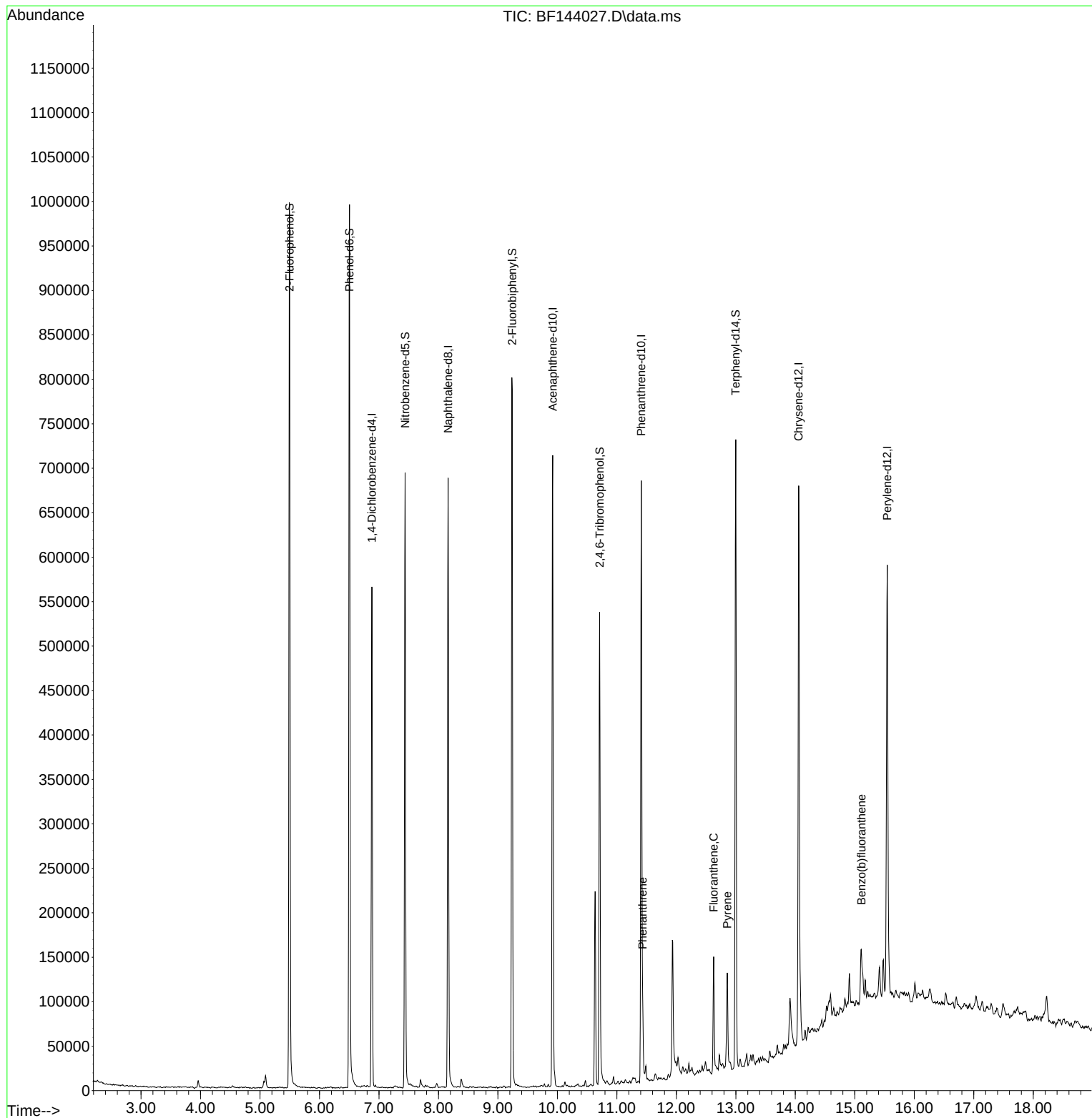
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144027.D
Acq On : 21 Oct 2025 22:24
Operator : RC/JU
Sample : Q3402-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

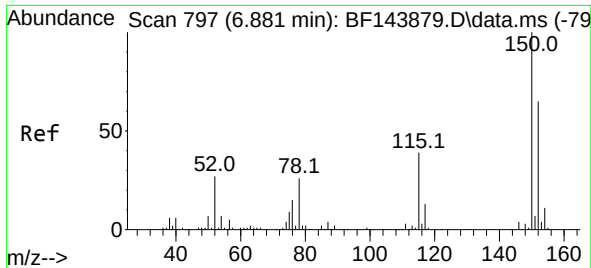
Instrument :
BNA_F
ClientSampleId :
41-LA

Quant Time: Oct 22 11:13:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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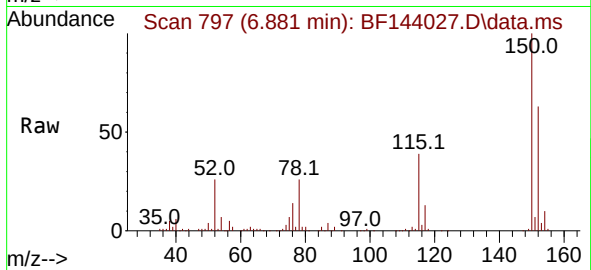
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

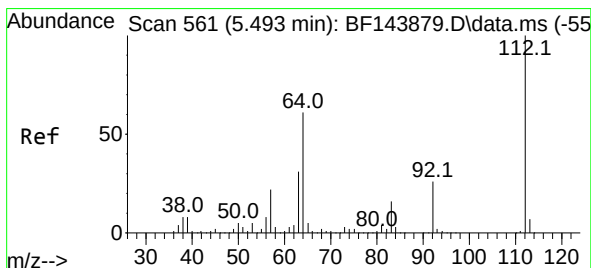
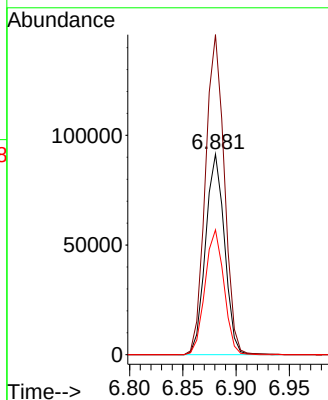
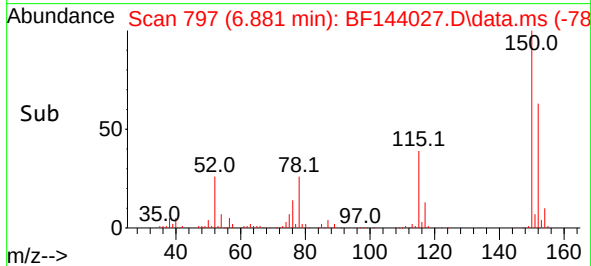
Instrument :
BNA_F
ClientSampleId :
41-LA



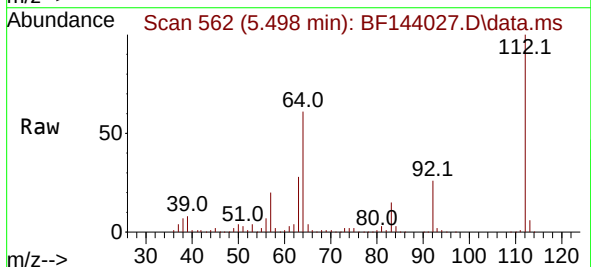
Tgt Ion:152 Resp: 113279
Ion Ratio Lower Upper
152 100
150 159.6 124.4 186.6
115 62.3 48.1 72.1

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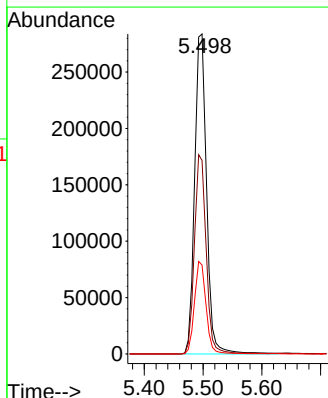
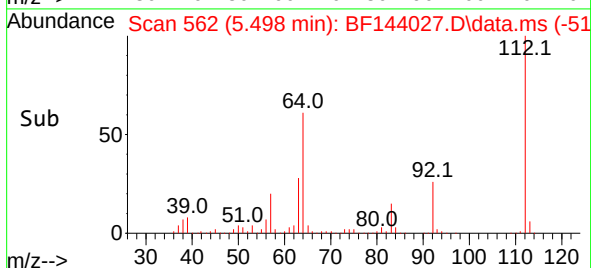
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

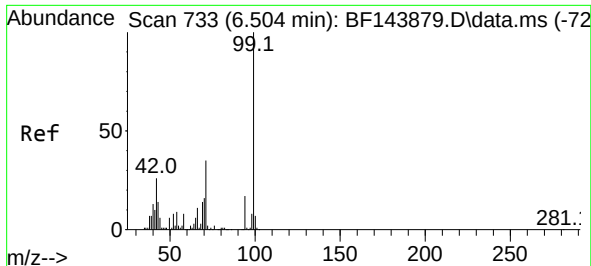


#5
2-Fluorophenol
Concen: 56.236 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24



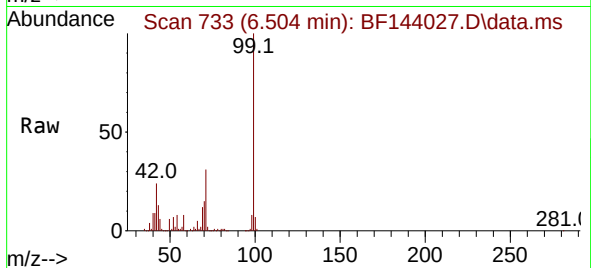
Tgt Ion:112 Resp: 401161
Ion Ratio Lower Upper
112 100
64 60.5 49.1 73.7
63 27.8 24.5 36.7





#7
Phenol-d6
Concen: 52.948 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

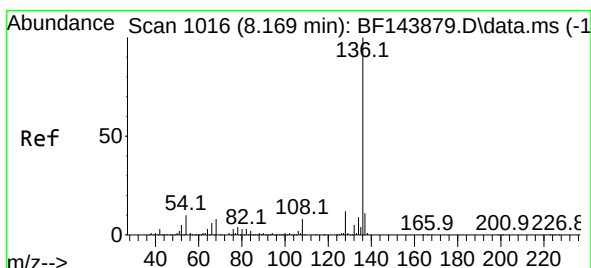
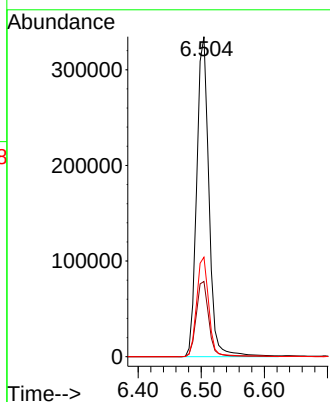
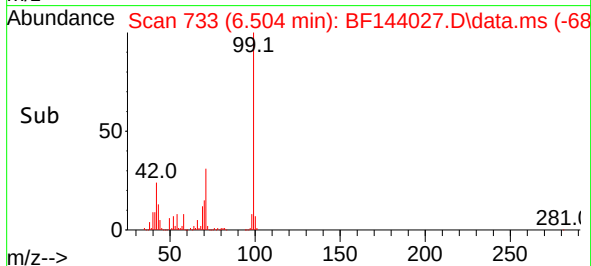
Instrument :
BNA_F
ClientSampleId :
41-LA



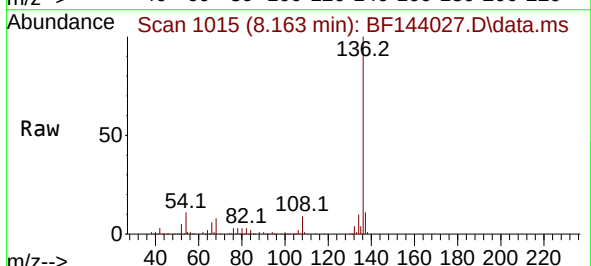
Tgt Ion: 99 Resp: 450204
Ion Ratio Lower Upper
99 100
42 23.5 21.0 31.4
71 31.1 27.8 41.8

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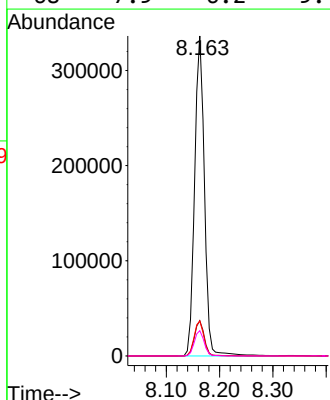
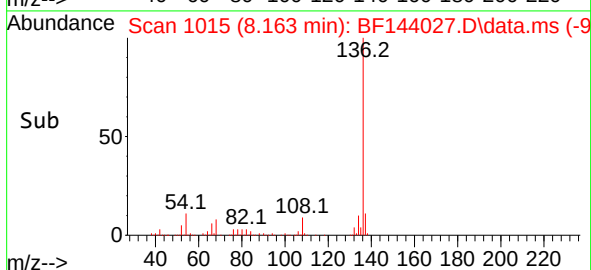
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

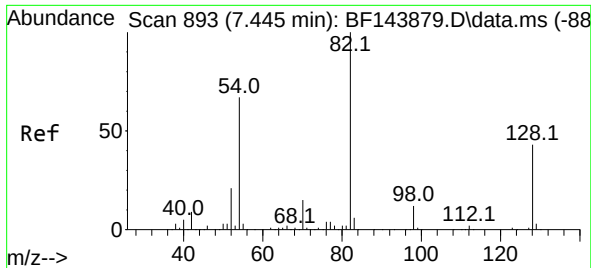


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24



Tgt Ion:136 Resp: 431353
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.9 8.2 12.4
68 7.9 6.2 9.4





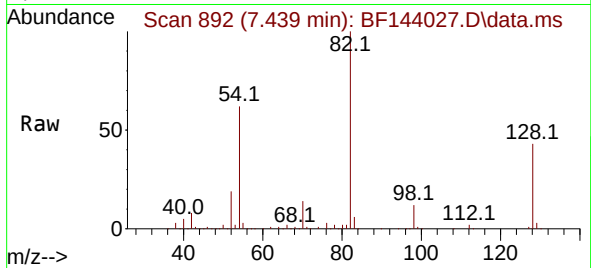
#23
Nitrobenzene-d5
Concen: 41.140 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

Instrument :

BNA_F

ClientSampleId :

41-LA

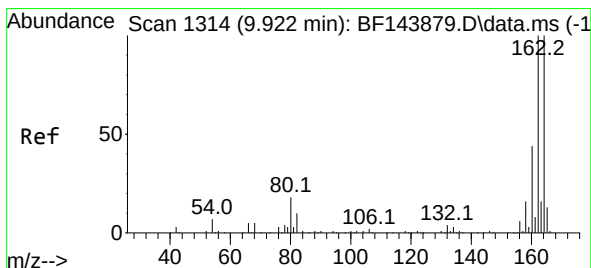
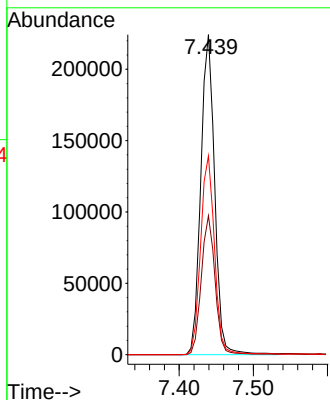
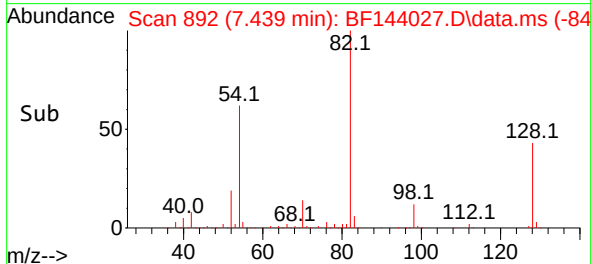


Tgt Ion: 82 Resp: 292088
Ion Ratio Lower Upper
82 100
128 43.4 34.0 51.0
54 62.1 53.2 79.8

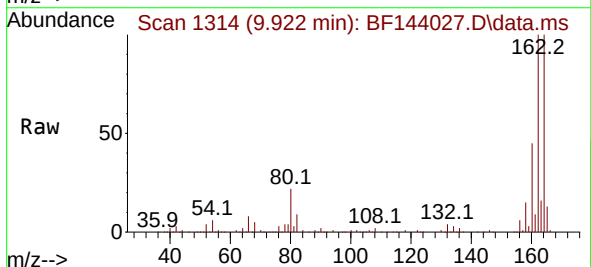
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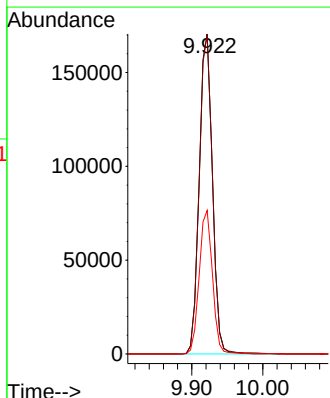
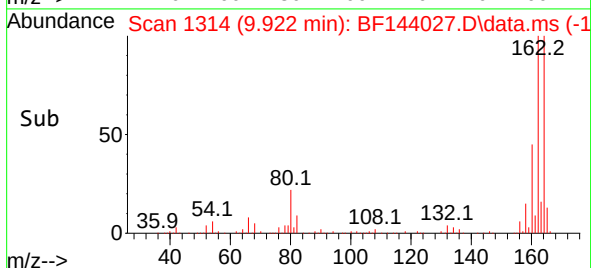
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

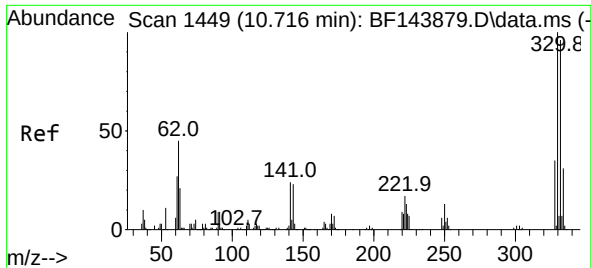


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24



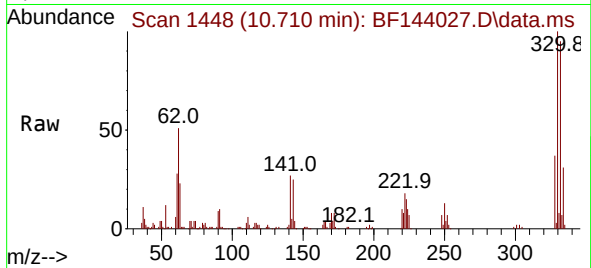
Tgt Ion:164 Resp: 220973
Ion Ratio Lower Upper
164 100
162 100.0 80.2 120.2
160 44.9 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 43.633 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

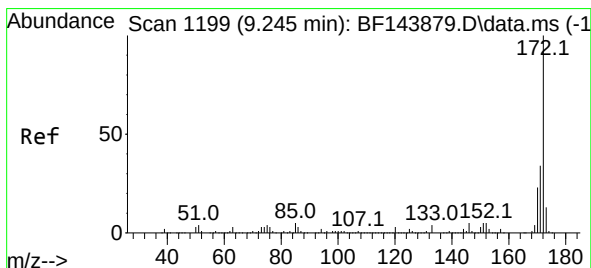
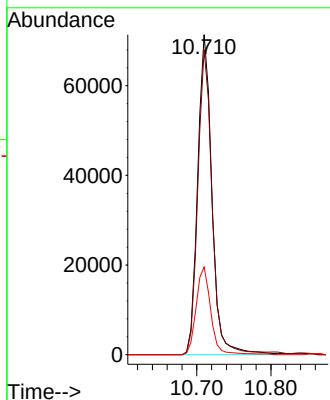
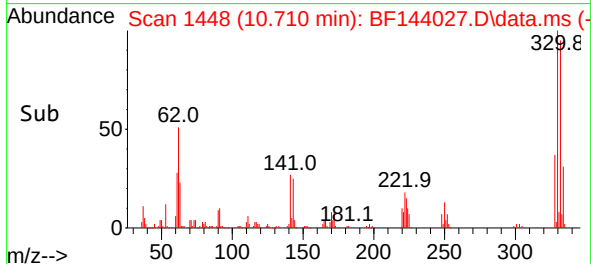
Instrument :
BNA_F
Client Sample Id :
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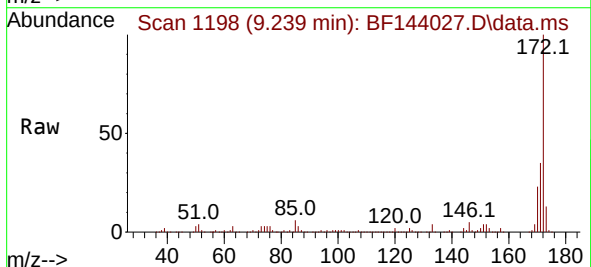
Tgt Ion: 330 Resp: 96034
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 28.0 20.2 30.4

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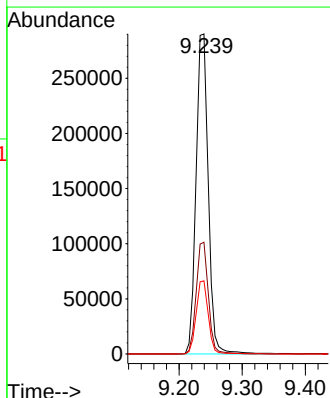
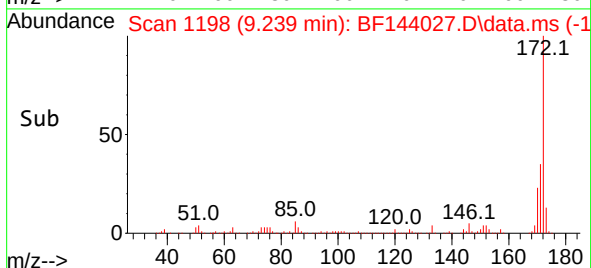
Reviewed By :Rahul Chavli 10/22/2025
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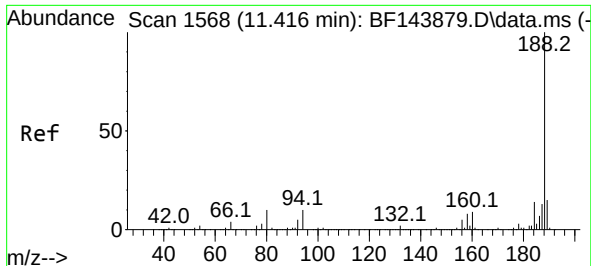


#45
2-Fluorobiphenyl
Concen: 27.974 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24



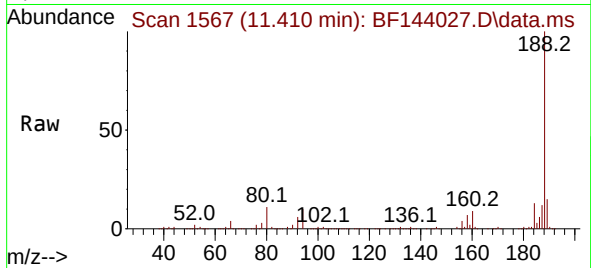
Tgt Ion: 172 Resp: 389572
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 22.9 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

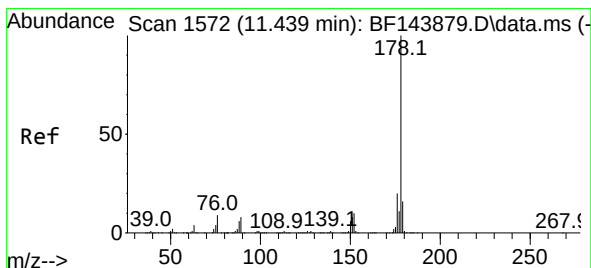
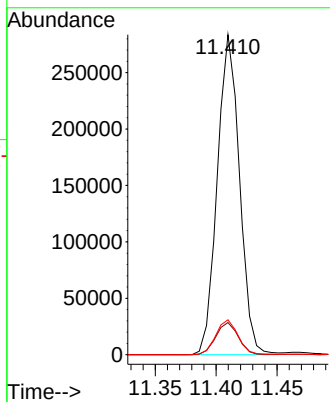
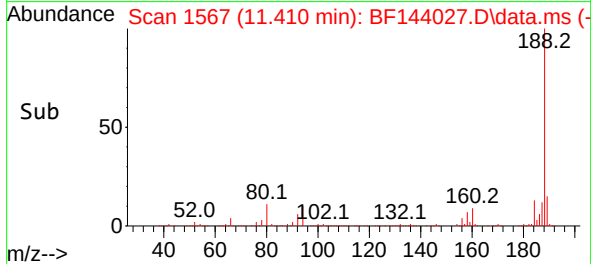
Instrument :
BNA_F
ClientSampleId :
41-LA



Tgt Ion:188 Resp: 36066
Ion Ratio Lower Upper
188 100
94 10.1 7.8 11.6
80 10.9 7.9 11.9

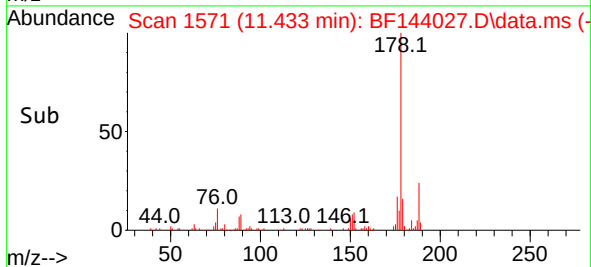
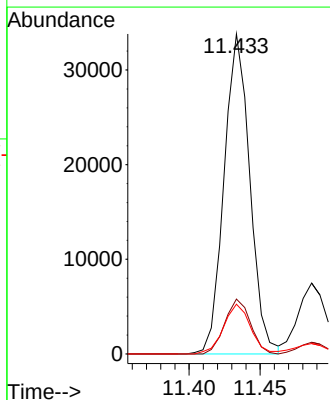
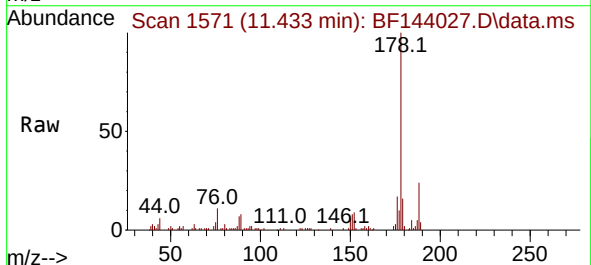
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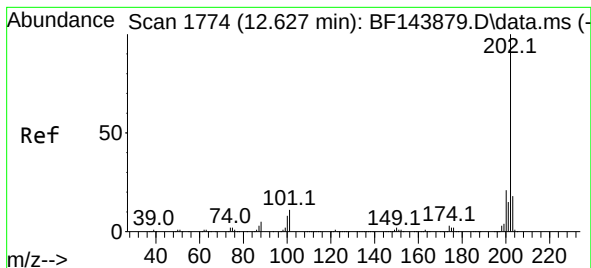
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025



#71
Phenanthrene
Concen: 2.442 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

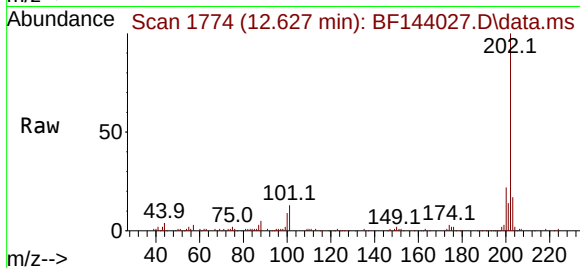
Tgt Ion:178 Resp: 42691
Ion Ratio Lower Upper
178 100
176 17.2 15.9 23.9
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 3.963 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

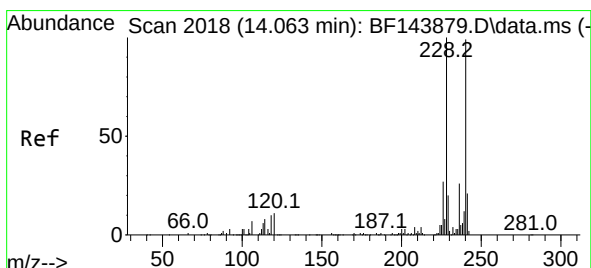
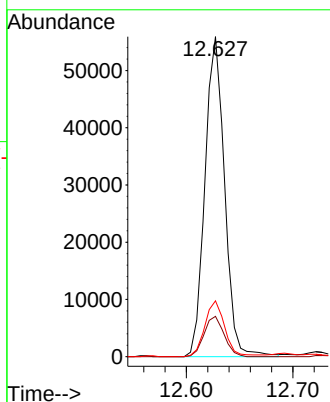
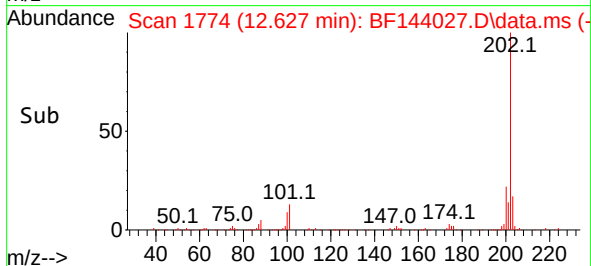
Instrument :
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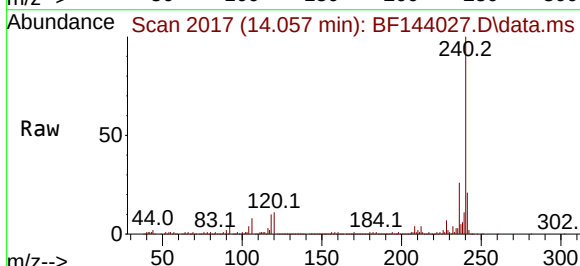
Tgt Ion:202 Resp: 7157
Ion Ratio Lower Upper
202 100
101 12.6 0.0 30.7
203 17.4 0.0 37.8

Manual Integrations
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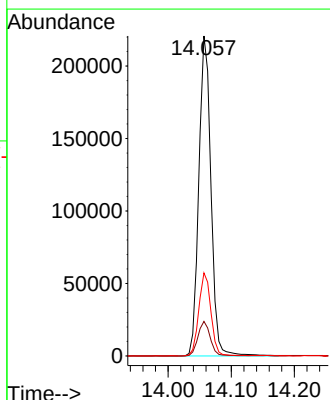
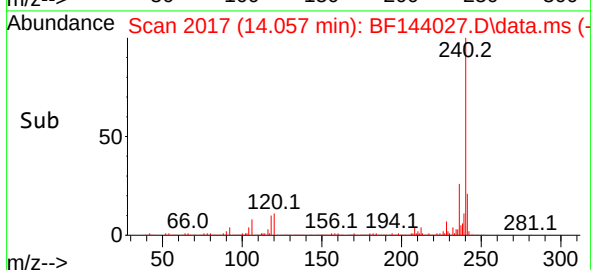
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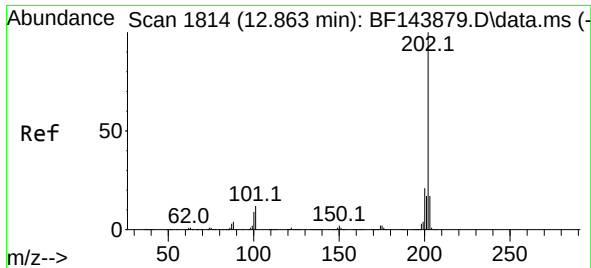


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24



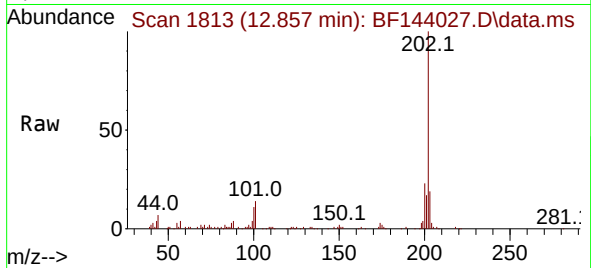
Tgt Ion:240 Resp: 293573
Ion Ratio Lower Upper
240 100
120 10.8 8.6 13.0
236 25.9 21.1 31.7





#78
Pyrene
Concen: 2.516 ng
RT: 12.857 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24

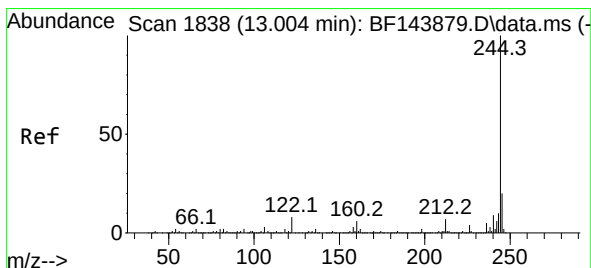
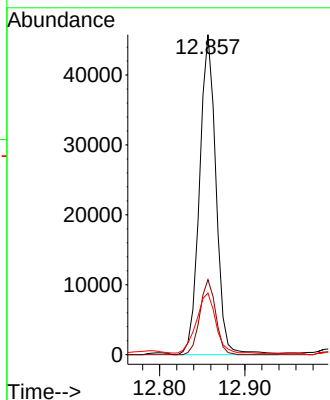
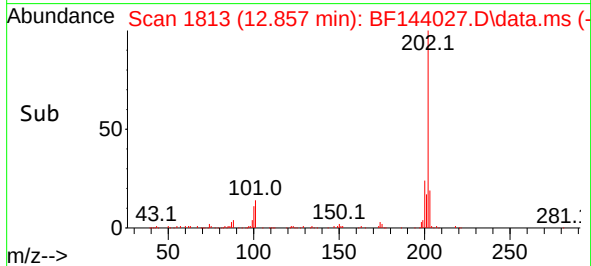
Instrument :
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41-LA



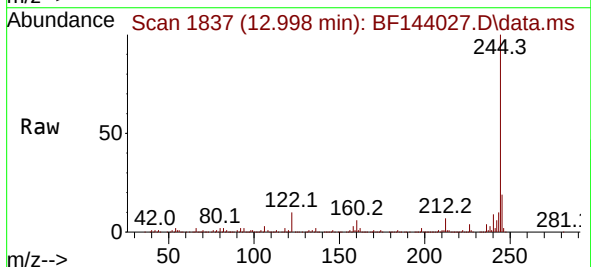
Tgt Ion:202 Resp: 61580
Ion Ratio Lower Upper
202 100
200 23.4 17.0 25.6
203 19.3 13.8 20.6

Manual Integrations
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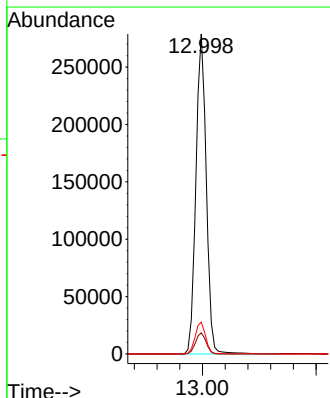
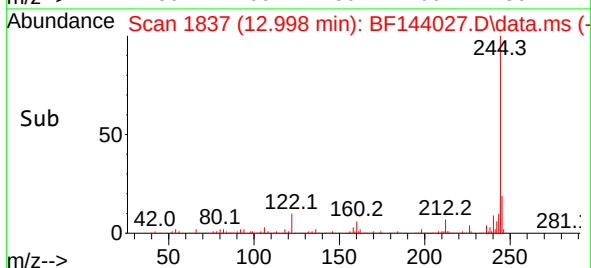
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

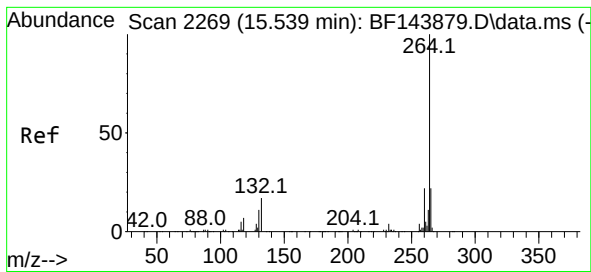


#79
Terphenyl-d14
Concen: 20.683 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144027.D
Acq: 21 Oct 2025 22:24



Tgt Ion:244 Resp: 355273
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.0 6.4 9.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF144027.D

Acq: 21 Oct 2025 22:24

Instrument :

BNA_F

ClientSampleId :

41-LA

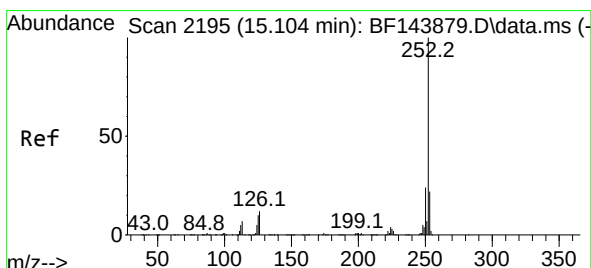
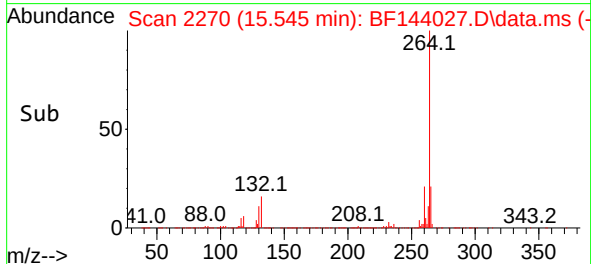
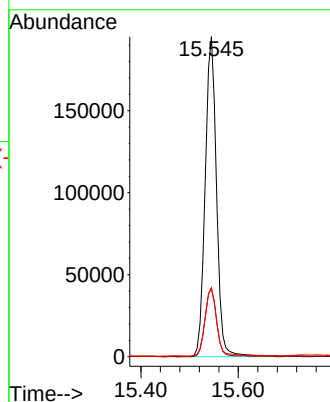
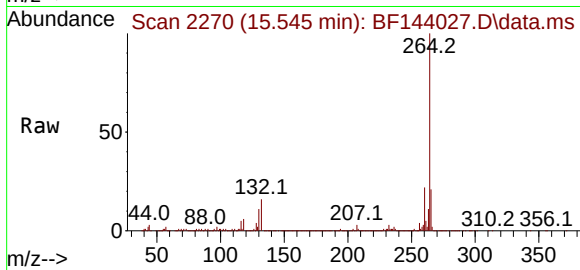
Tgt Ion:264 Resp: 31483
 Ion Ratio Lower Upper
 264 100
 260 21.5 17.8 26.8
 265 21.3 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/22/2025

Supervised By :Jagrut Upadhyay 10/22/2025



#88

Benzo(b)fluoranthene

Concen: 2.292 ng m

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144027.D

Acq: 21 Oct 2025 22:24

Tgt Ion:252 Resp: 41448
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.4 26.2
 125 12.0 7.8 11.6#

