

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143813.D
 Acq On : 25 Sep 2025 19:51
 Operator : RC/JU
 Sample : Q3176-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS12-01

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

Quant Time: Sep 25 23:24:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	105437	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	336549	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	146974	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	254896	20.000	ng	0.00
76) Chrysene-d12	14.051	240	449534	20.000	ng	-0.01
86) Perylene-d12	15.533	264	549396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	461399	71.098	ng	0.00
7) Phenol-d6	6.498	99	507991	67.747	ng	-0.01
23) Nitrobenzene-d5	7.440	82	294229	53.514	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	181837	83.558	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	454910	48.300	ng	0.00
79) Terphenyl-d14	12.998	244	764459	34.585	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	37472	2.863	ng	100
75) Fluoranthene	12.622	202	63166	4.799	ng	98
78) Pyrene	12.851	202	58765	2.659	ng	96
88) Benzo(b)fluoranthene	15.098	252	66981m	2.394	ng	

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

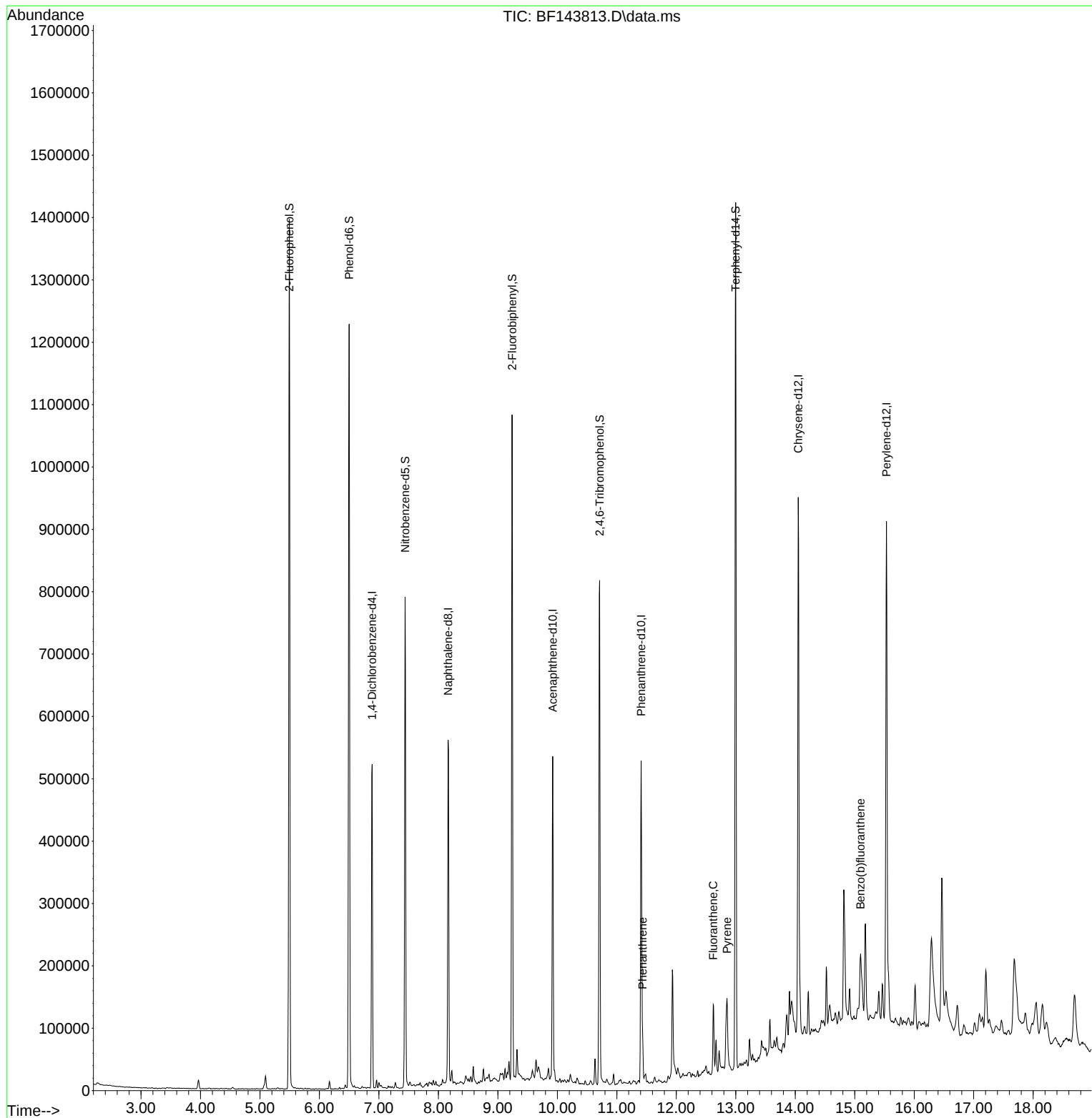
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143813.D
Acq On : 25 Sep 2025 19:51
Operator : RC/JU
Sample : Q3176-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

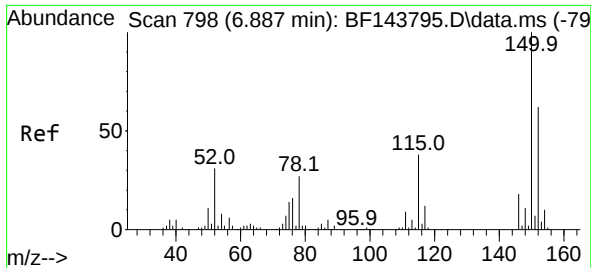
Instrument :
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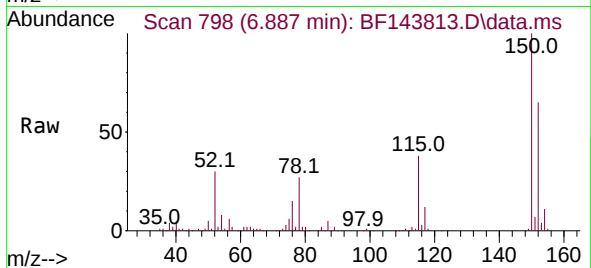
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

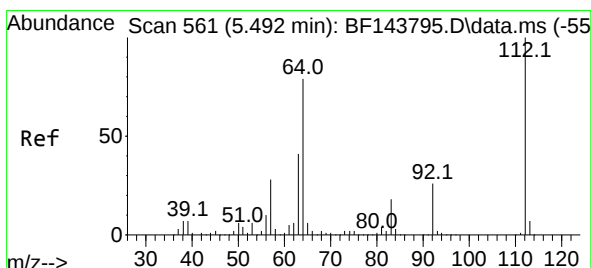
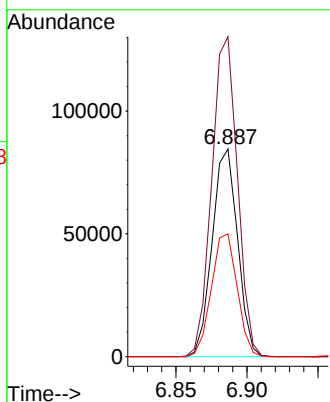
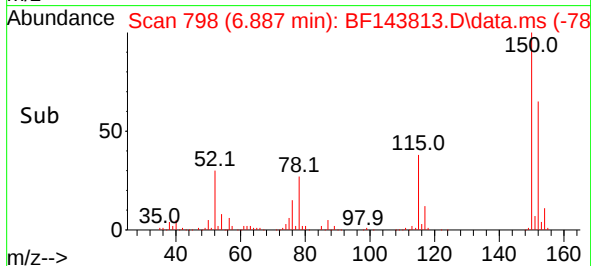
Instrument :
BNA_F
ClientSampleId :
EME-TS12-01



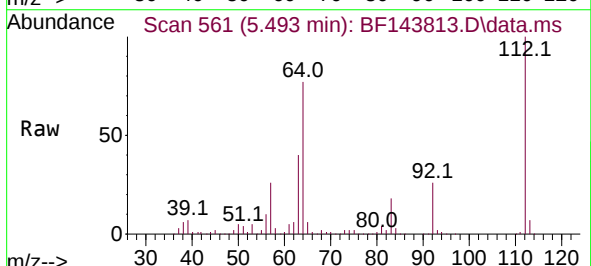
Tgt Ion:152 Resp: 105437
Ion Ratio Lower Upper
152 100
150 154.2 129.6 194.4
115 59.2 49.0 73.4

Manual Integrations
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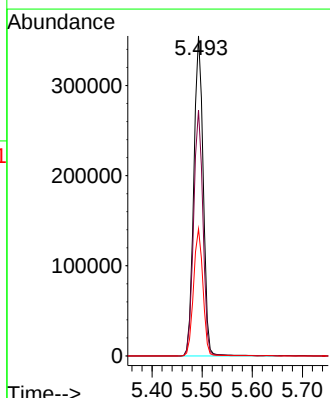
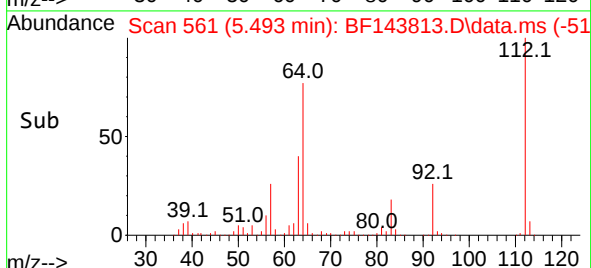
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

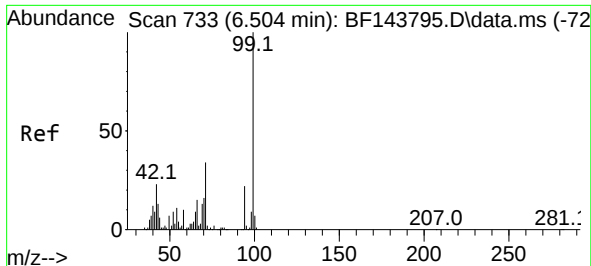


#5
2-Fluorophenol
Concen: 71.098 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51



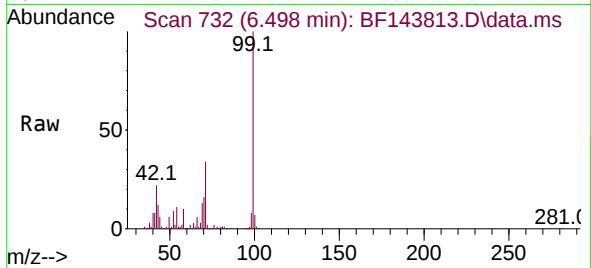
Tgt Ion:112 Resp: 461399
Ion Ratio Lower Upper
112 100
64 76.8 63.0 94.4
63 39.7 32.6 49.0





#7
Phenol-d6
Concen: 67.747 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

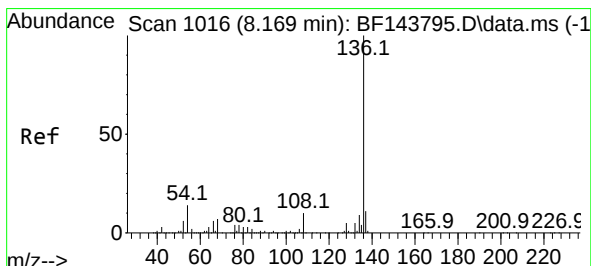
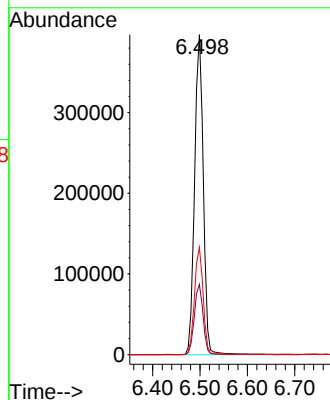
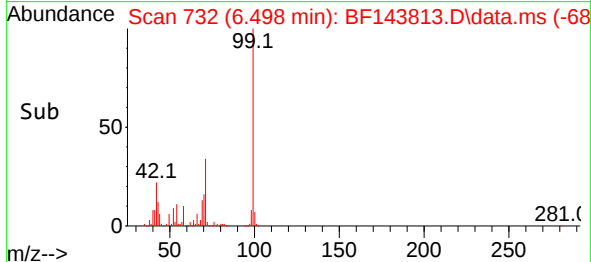
Instrument :
BNA_F
ClientSampleId :
EME-TS12-01



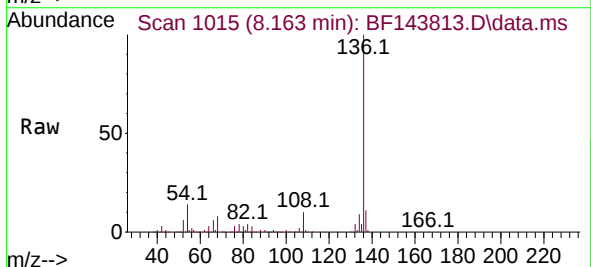
Tgt Ion: 99 Resp: 507991
Ion Ratio Lower Upper
99 100
42 21.9 18.6 28.0
71 33.5 27.0 40.4

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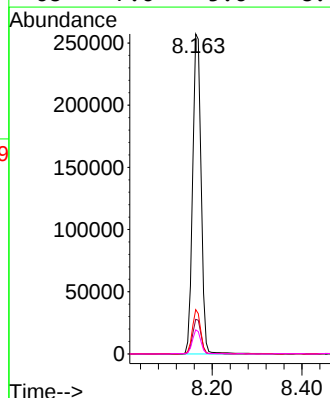
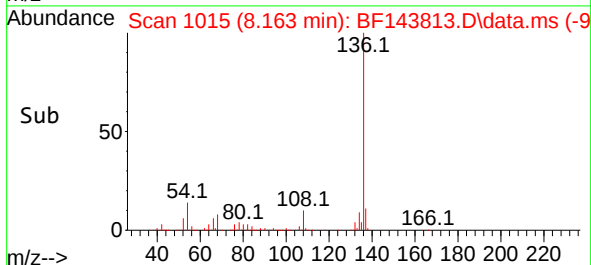
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

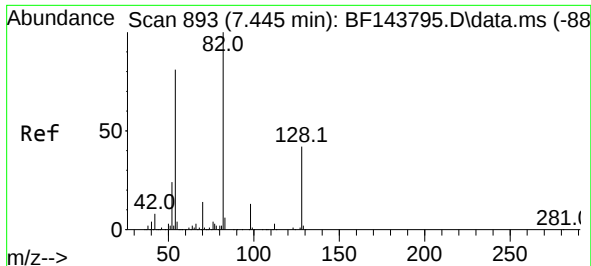


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51



Tgt Ion:136 Resp: 336549
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 13.8 11.2 16.8
68 7.6 5.6 8.4





#23

Nitrobenzene-d5

Concen: 53.514 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.011 min

Lab File: BF143813.D

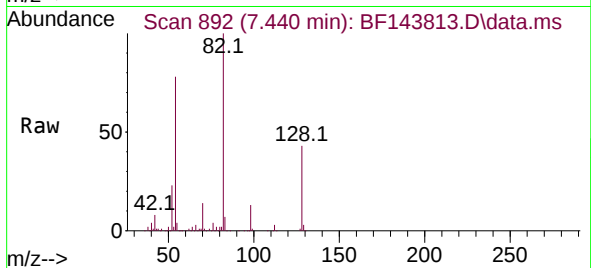
Acq: 25 Sep 2025 19:51

Instrument :

BNA_F

ClientSampleId :

EME-TS12-01



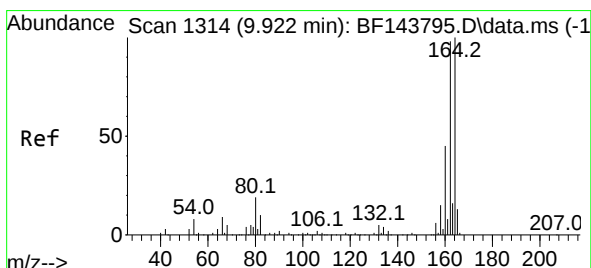
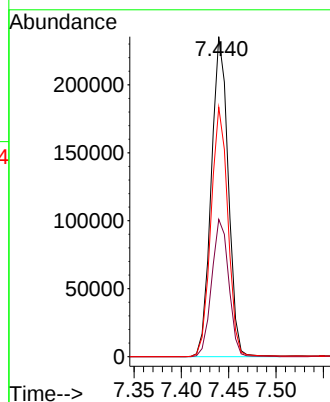
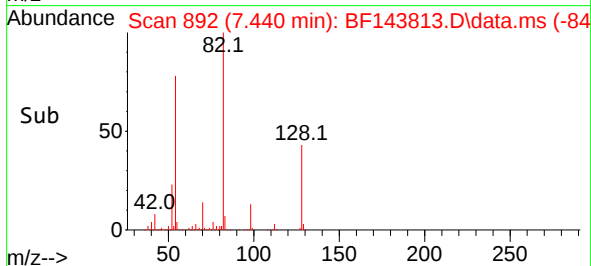
Tgt Ion:	82	Resp:	294229
Ion Ratio	Lower	Upper	
82	100		
128	42.9	33.3	49.9
54	77.9	64.2	96.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

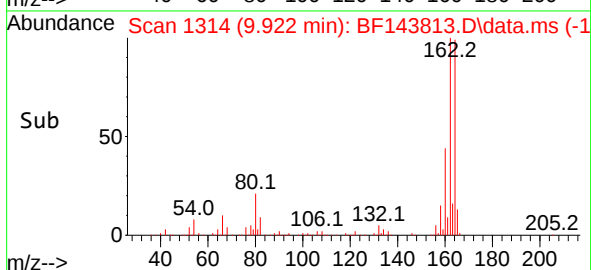
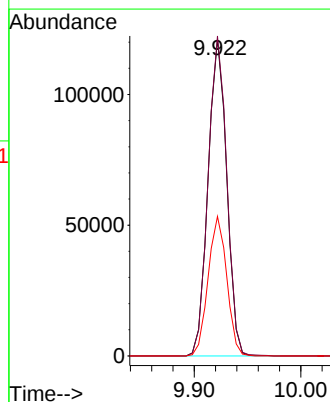
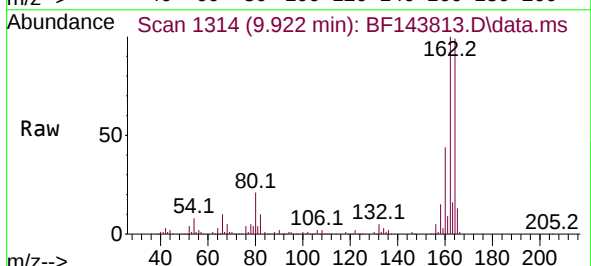
RT: 9.922 min Scan# 1314

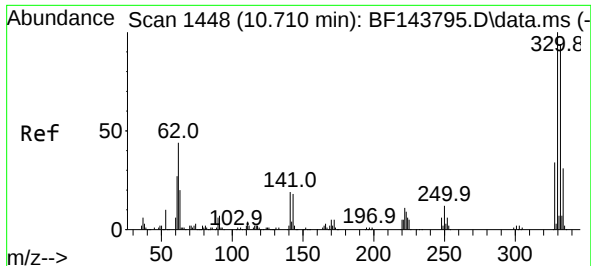
Delta R.T. -0.006 min

Lab File: BF143813.D

Acq: 25 Sep 2025 19:51

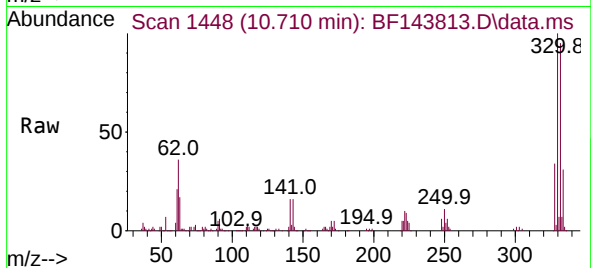
Tgt Ion:	164	Resp:	146974
Ion Ratio	Lower	Upper	
164	100		
162	101.0	78.8	118.2
160	44.0	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 83.558 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

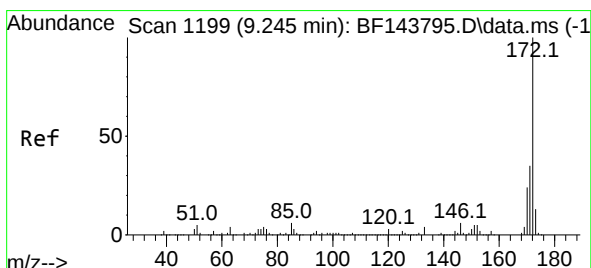
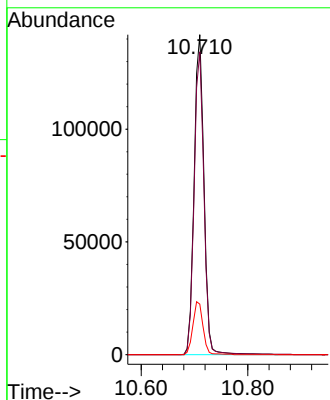
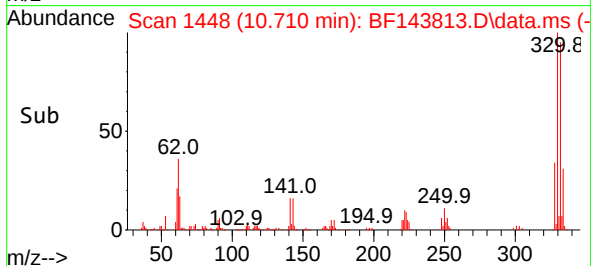
Instrument :
BNA_F
ClientSampleId :
EME-TS12-01



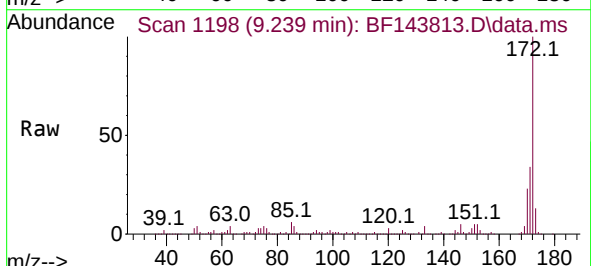
Tgt Ion: 330 Resp: 18183
Ion Ratio Lower Upper
330 100
332 94.7 74.7 112.1
141 17.0 14.3 21.5

Manual Integrations
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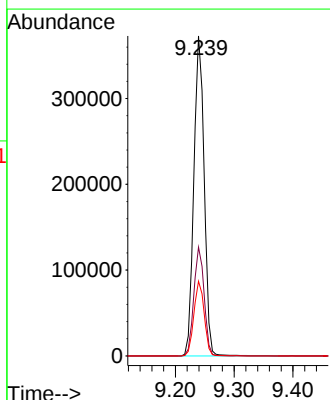
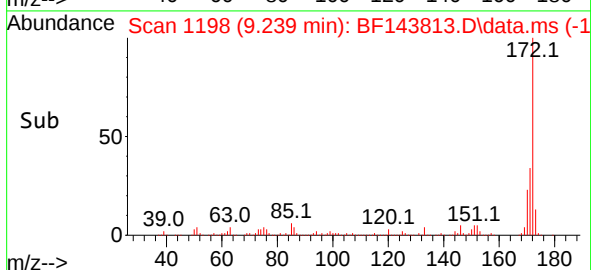
Reviewed By :Rahul Chavli 09/26/2025
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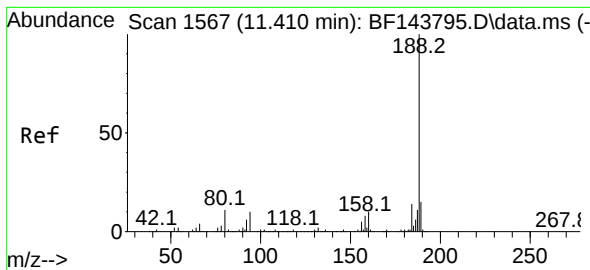


#45
2-Fluorobiphenyl
Concen: 48.300 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51



Tgt Ion: 172 Resp: 454910
Ion Ratio Lower Upper
172 100
171 34.0 27.9 41.9
170 23.3 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

Instrument :

BNA_F

ClientSampleId :

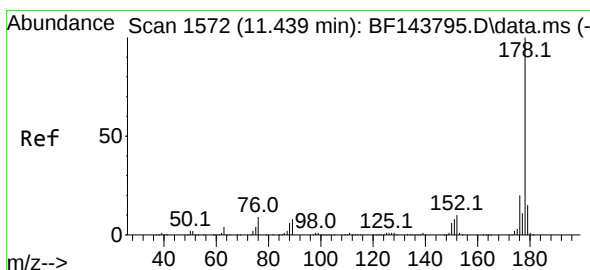
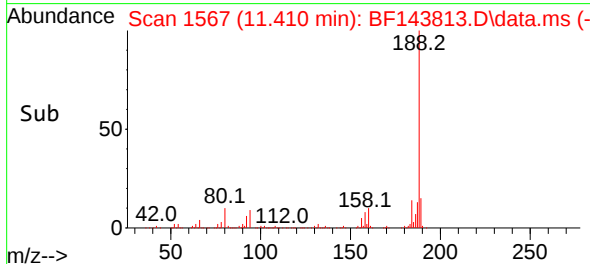
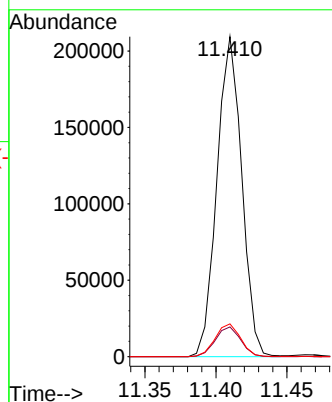
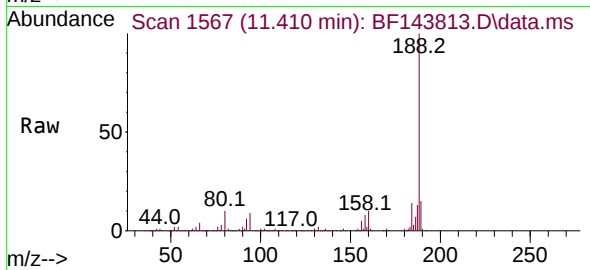
EME-TS12-01

Tgt Ion:188 Resp: 254896
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.2
80 10.3 8.6 12.8

Manual Integrations

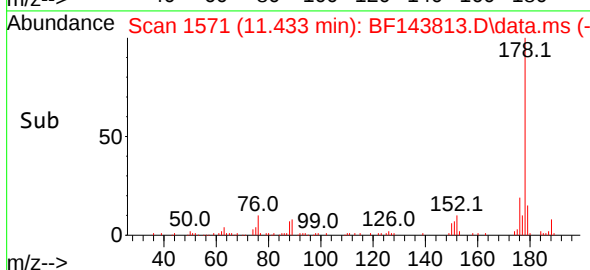
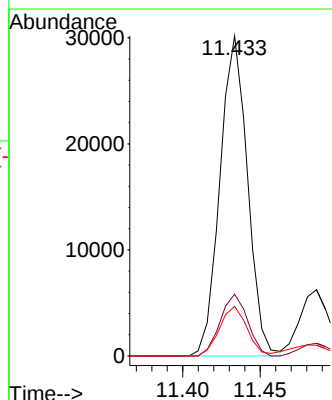
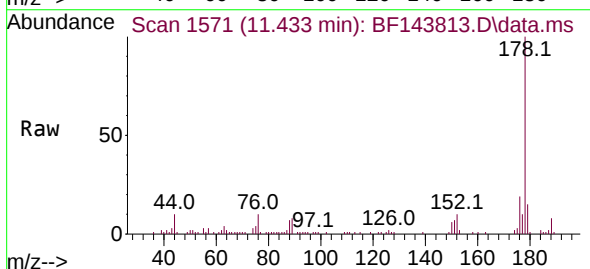
APPROVED

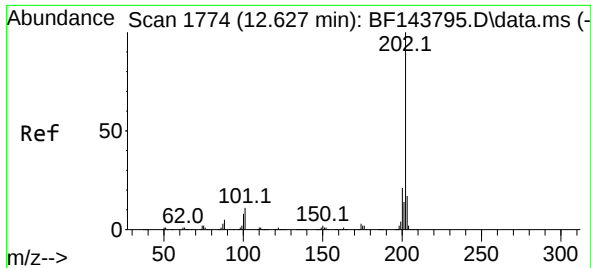
Reviewed By :Rahul Chavli 09/26/2025
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#71
Phenanthrene
Concen: 2.863 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

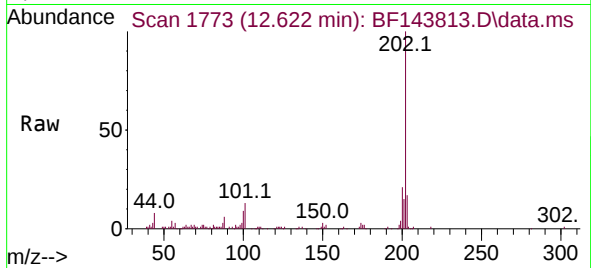
Tgt Ion:178 Resp: 37472
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.5 12.2 18.4





#75
Fluoranthene
Concen: 4.799 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

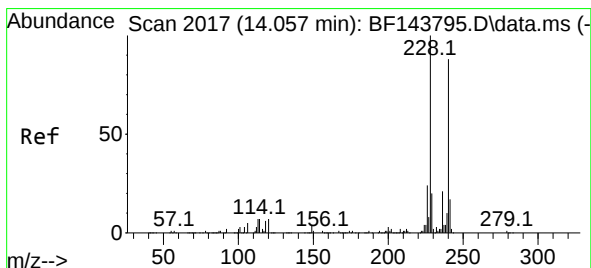
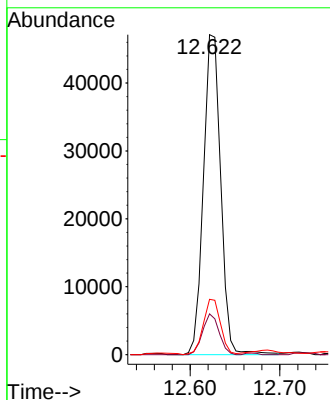
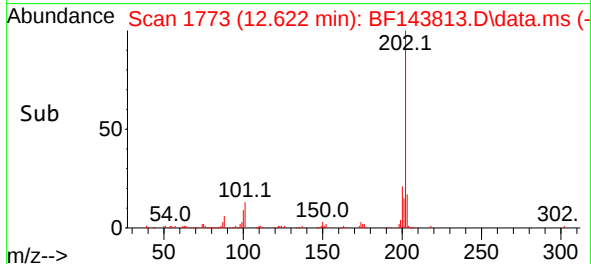
Instrument :
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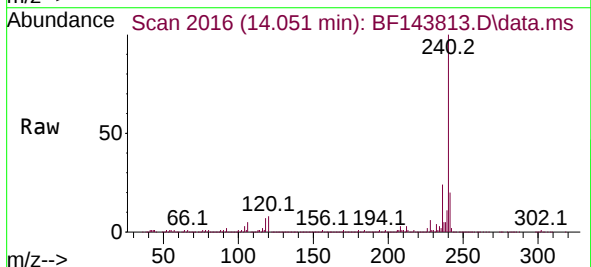
Tgt Ion:202 Resp: 63166
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.1
203 17.3 0.0 37.4

Manual Integrations
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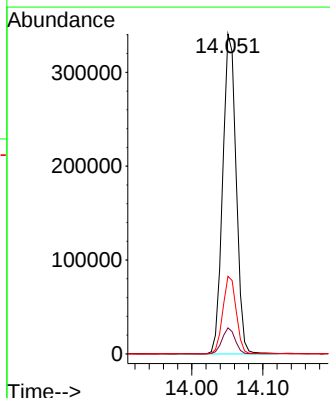
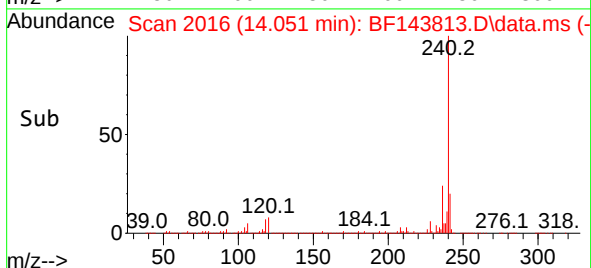
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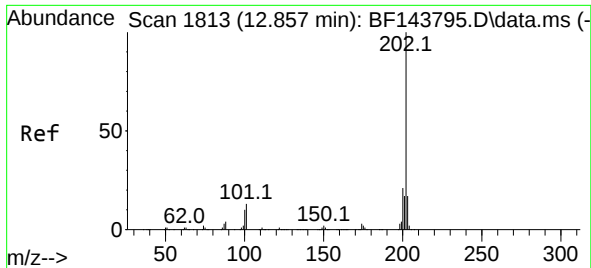


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51



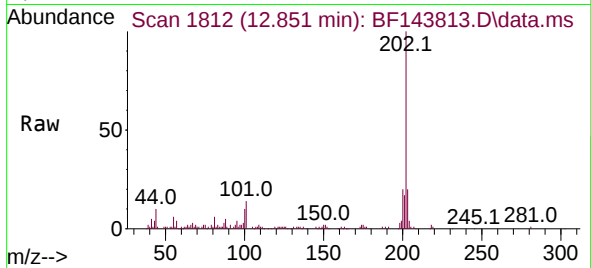
Tgt Ion:240 Resp: 449534
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.4
236 24.2 19.4 29.2





#78
Pyrene
Concen: 2.659 ng
RT: 12.851 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

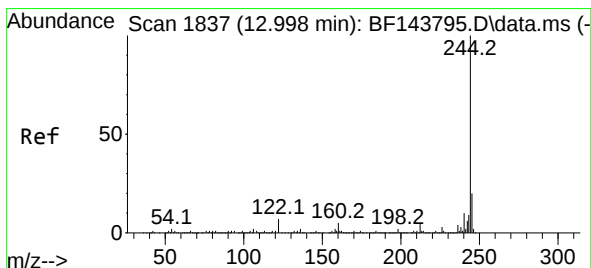
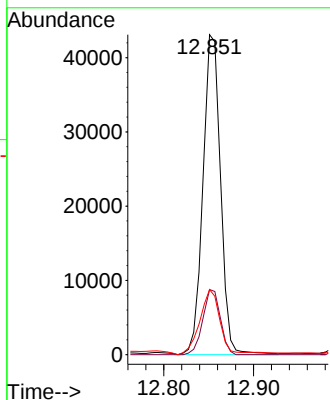
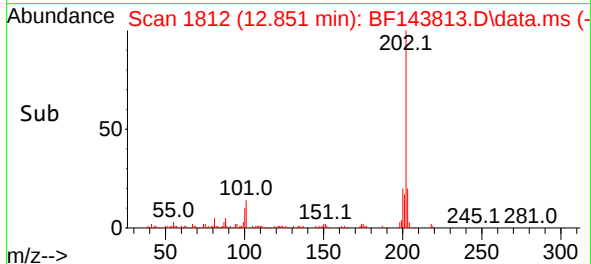
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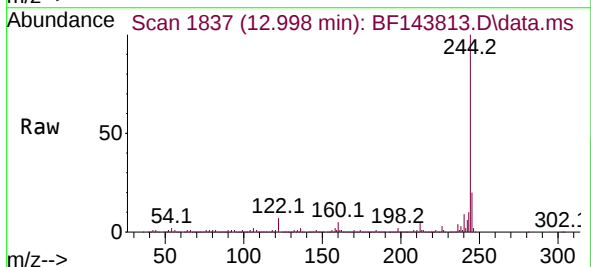
Tgt Ion:202 Resp: 58765
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 20.3 13.9 20.9

Manual Integrations
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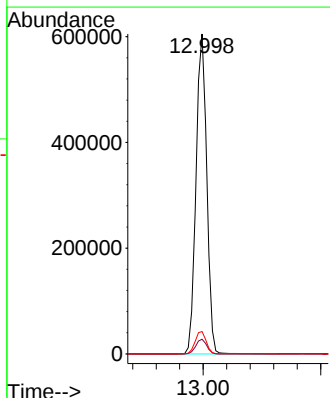
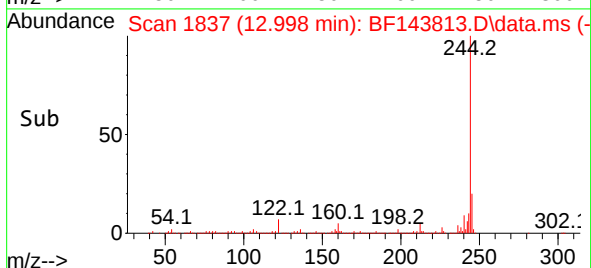
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

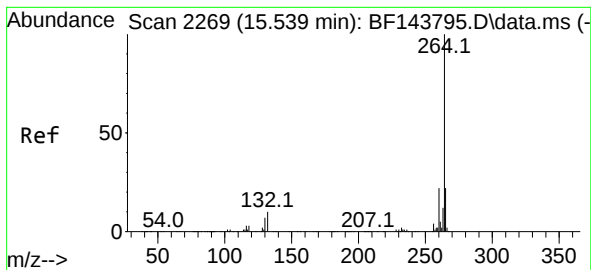


#79
Terphenyl-d14
Concen: 34.585 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51



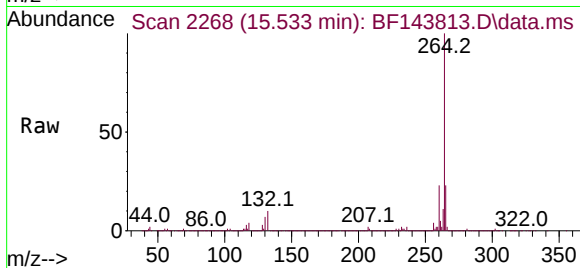
Tgt Ion:244 Resp: 764459
Ion Ratio Lower Upper
244 100
212 4.6 3.9 5.9
122 7.0 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51

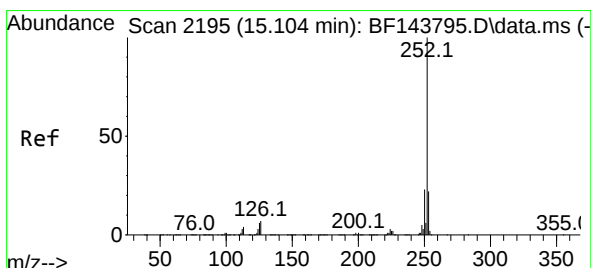
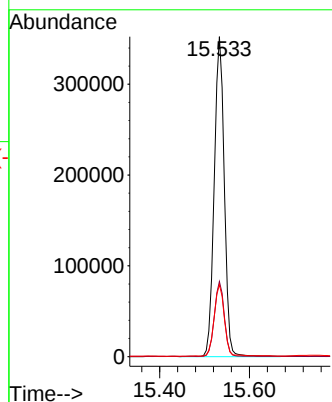
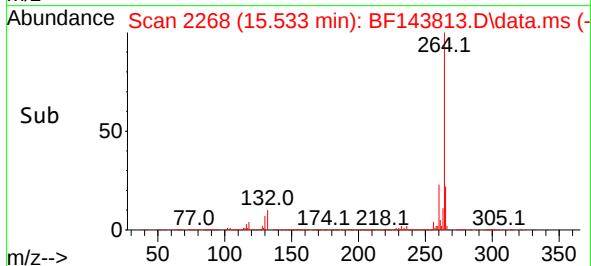
Instrument :
BNA_F
ClientSampleId :
EME-TS12-01



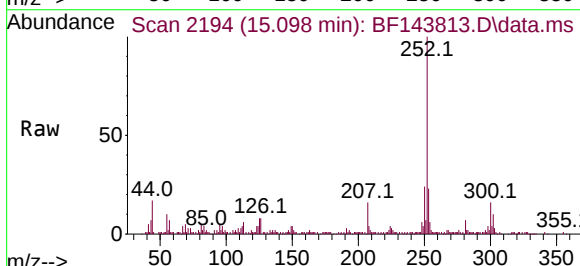
Tgt Ion:264 Resp: 549396
Ion Ratio Lower Upper
264 100
260 23.5 17.9 26.9
265 22.5 17.7 26.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#88
Benzo(b)fluoranthene
Concen: 2.394 ng m
RT: 15.098 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF143813.D
Acq: 25 Sep 2025 19:51



Tgt Ion:252 Resp: 66981
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 8.0 4.4 6.6

