

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102025\
 Data File : BF144004.D
 Acq On : 20 Oct 2025 17:54
 Operator : RC/JU
 Sample : Q3381-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-255

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

Quant Time: Oct 20 18:15:19 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	86540	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	328169	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	165563	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	259294	20.000	ng	0.00
76) Chrysene-d12	14.057	240	216578	20.000	ng	-0.01
86) Perylene-d12	15.545	264	271683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	375717	68.943	ng	0.00
7) Phenol-d6	6.498	99	441269	67.932	ng	-0.02
23) Nitrobenzene-d5	7.439	82	252054	46.663	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	90999	55.183	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	493505	47.297	ng	-0.01
79) Terphenyl-d14	12.998	244	449341	35.459	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	48346	3.846	ng	99
75) Fluoranthene	12.627	202	65889	5.074	ng	98
78) Pyrene	12.857	202	56206	3.113	ng	100
83) Chrysene	14.080	228	30668	2.338	ng	97
88) Benzo(b)fluoranthene	15.109	252	45838m	2.937	ng	
90) Benzo(a)pyrene	15.474	252	27475	2.030	ng	# 97

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

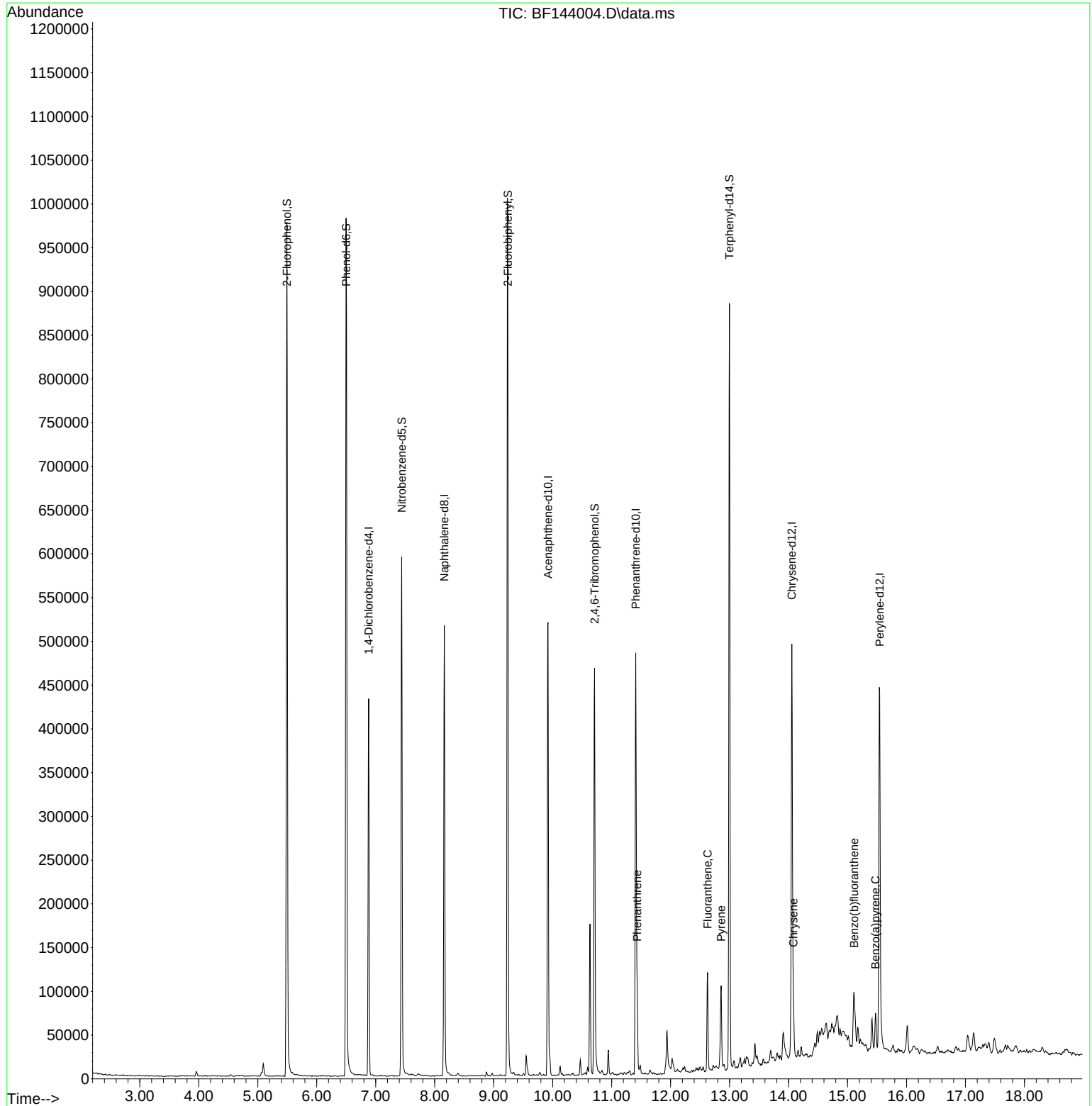
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102025\
Data File : BF144004.D
Acq On : 20 Oct 2025 17:54
Operator : RC/JU
Sample : Q3381-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

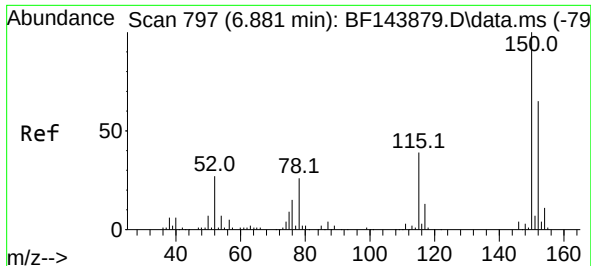
Instrument :
BNA_F
ClientSampleId :
VNJ-255

Quant Time: Oct 20 18:15:19 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
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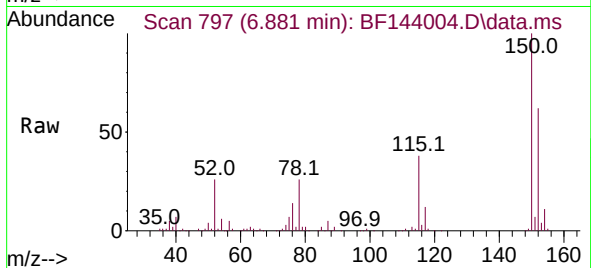
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

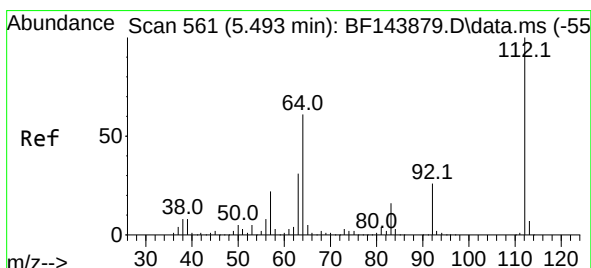
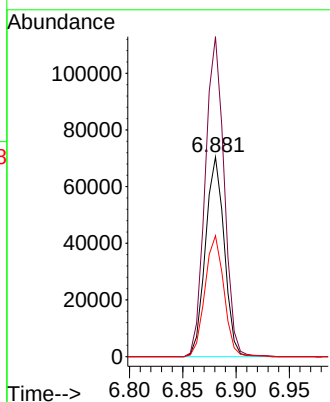
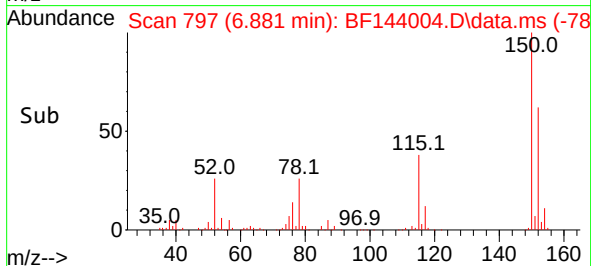
Instrument :
BNA_F
ClientSampleId :
VNJ-255



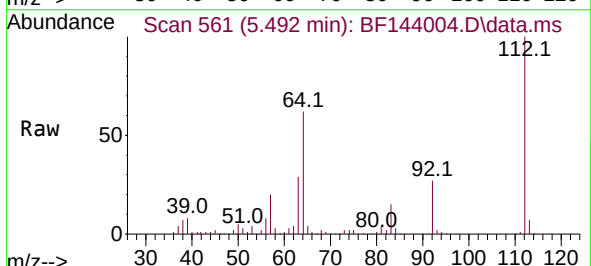
Tgt Ion:152 Resp: 86540
Ion Ratio Lower Upper
152 100
150 160.3 124.4 186.6
115 60.5 48.1 72.1

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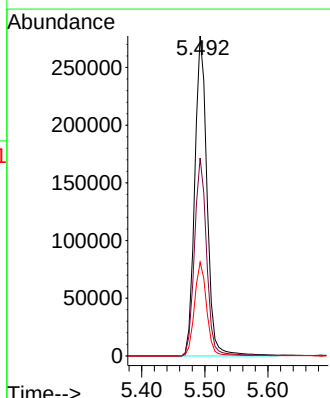
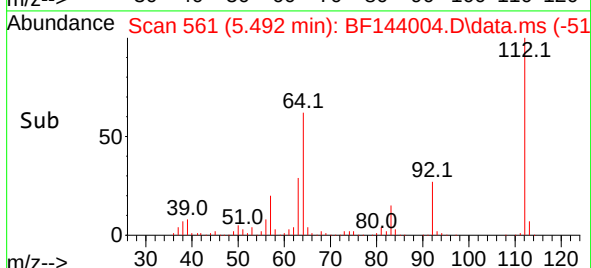
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

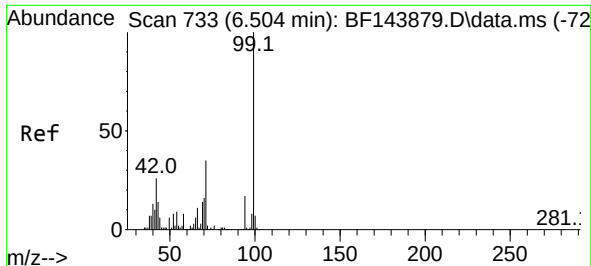


#5
2-Fluorophenol
Concen: 68.943 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54



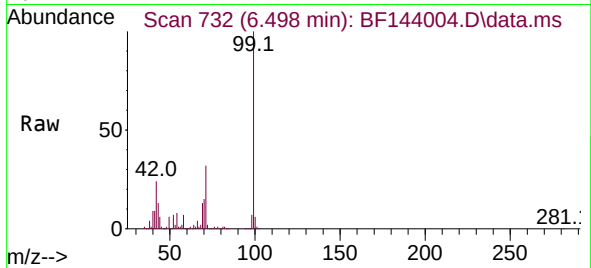
Tgt Ion:112 Resp: 375717
Ion Ratio Lower Upper
112 100
64 61.8 49.1 73.7
63 29.3 24.5 36.7





#7
Phenol-d6
Concen: 67.932 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.018 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

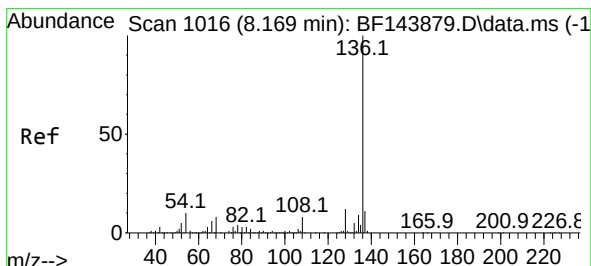
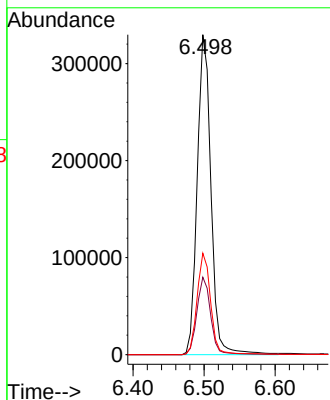
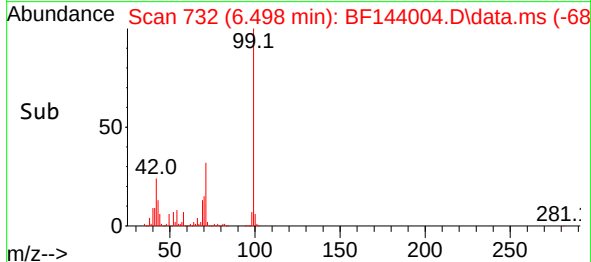
Instrument :
BNA_F
ClientSampleId :
VNJ-255



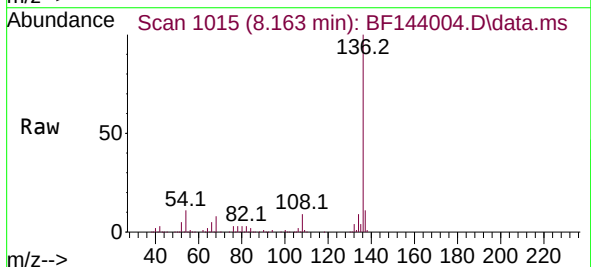
Tgt Ion: 99 Resp: 441269
Ion Ratio Lower Upper
99 100
42 24.2 21.0 31.4
71 31.7 27.8 41.8

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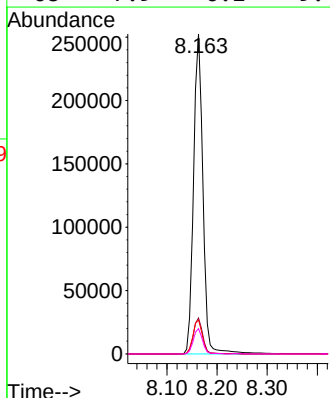
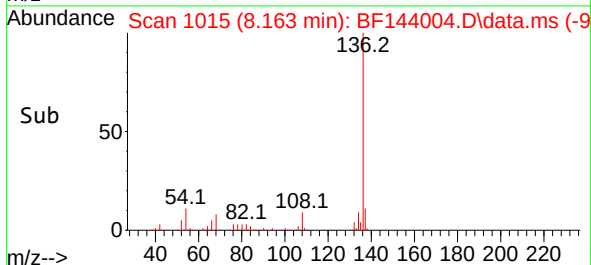
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

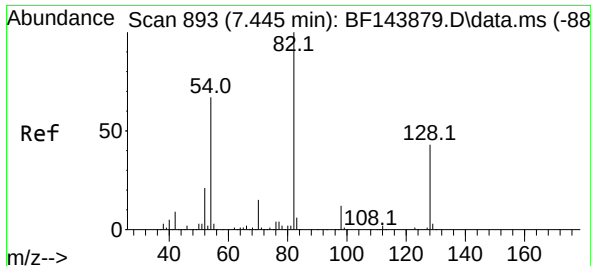


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54



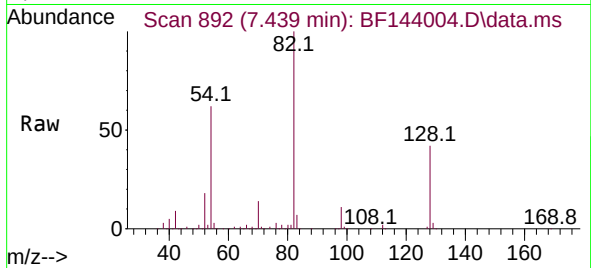
Tgt Ion:136 Resp: 328169
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.6 8.2 12.4
68 7.9 6.2 9.4





#23
Nitrobenzene-d5
Concen: 46.663 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

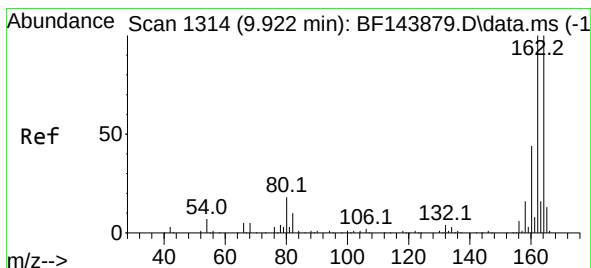
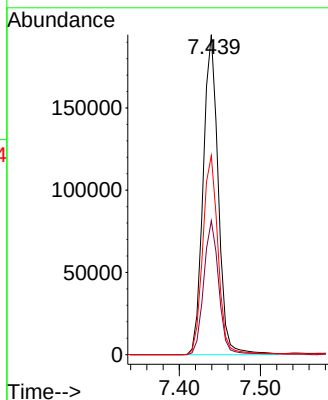
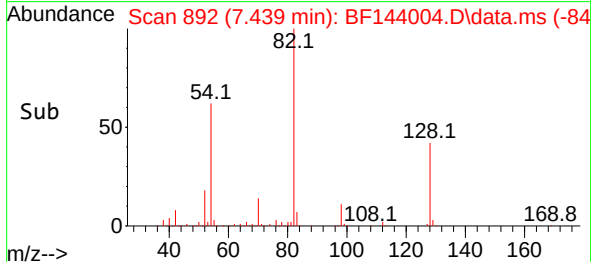
Instrument :
BNA_F
ClientSampleId :
VNJ-255



Tgt Ion: 82 Resp: 252054
Ion Ratio Lower Upper
82 100
128 41.8 34.0 51.0
54 62.2 53.2 79.8

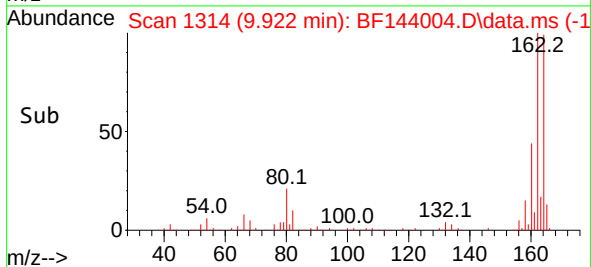
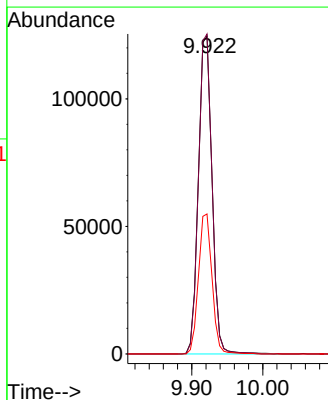
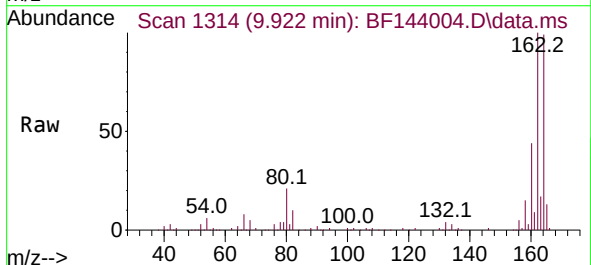
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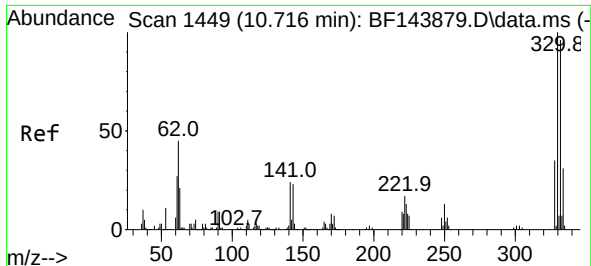
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

Tgt Ion:164 Resp: 165563
Ion Ratio Lower Upper
164 100
162 100.7 80.2 120.2
160 44.0 35.4 53.0





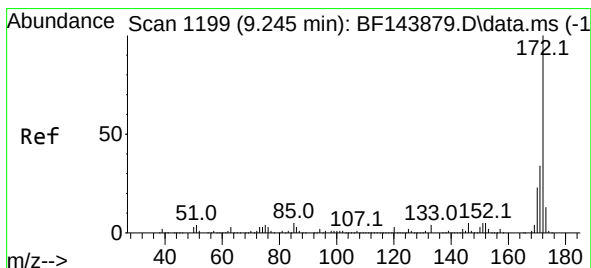
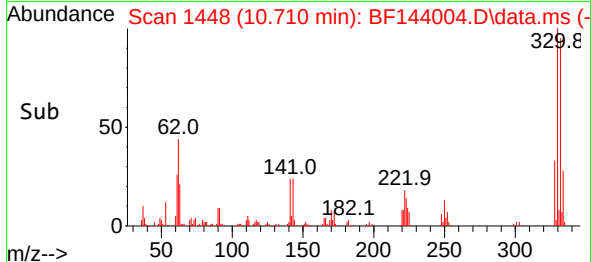
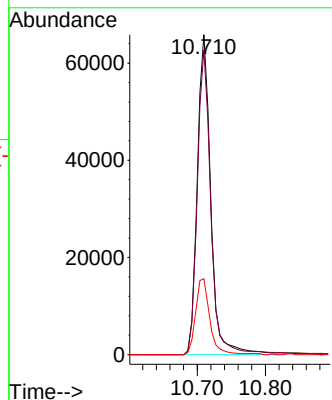
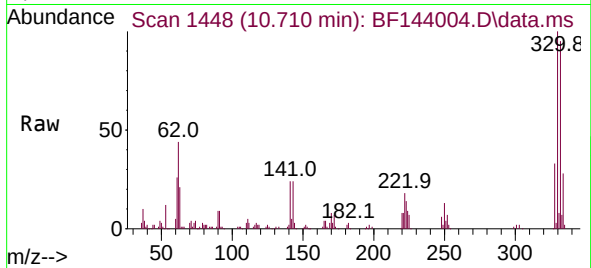
#42
2,4,6-Tribromophenol
Concen: 55.183 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

Instrument :
BNA_F
ClientSampleId :
VNJ-255

Tgt Ion:330 Resp: 90999
Ion Ratio Lower Upper
330 100
332 95.7 76.9 115.3
141 24.7 20.2 30.4

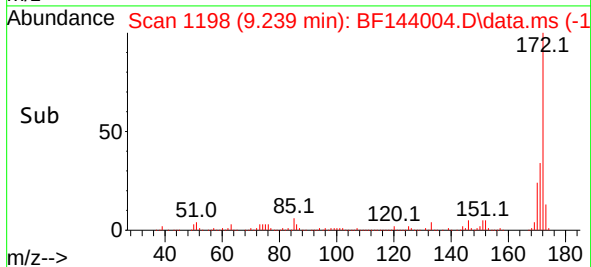
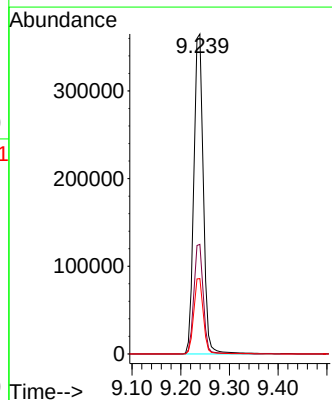
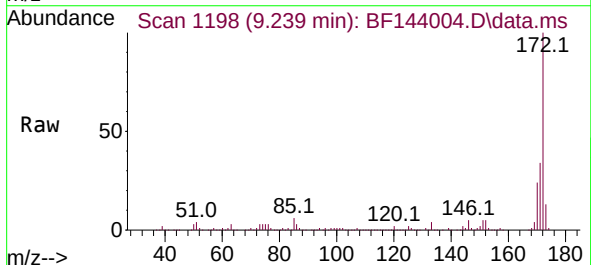
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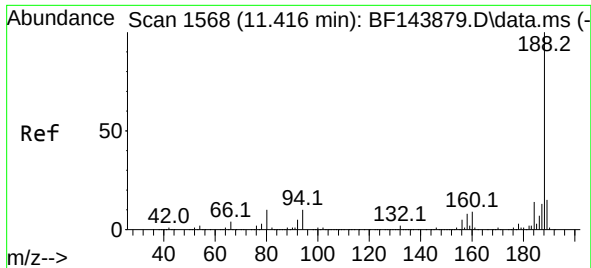
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#45
2-Fluorobiphenyl
Concen: 47.297 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

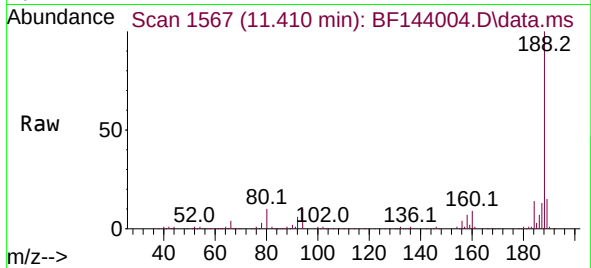
Tgt Ion:172 Resp: 493505
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.5 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

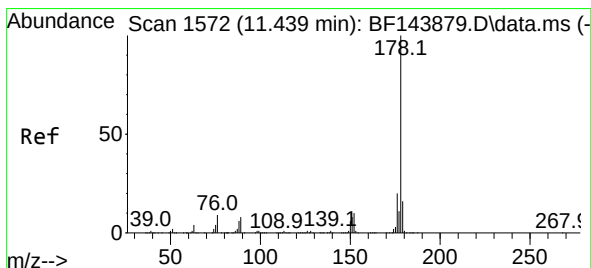
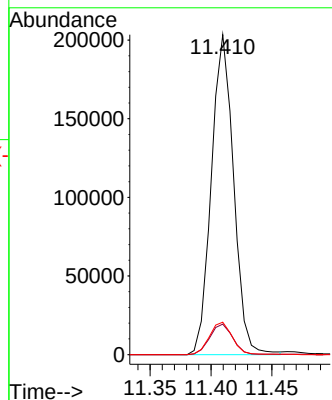
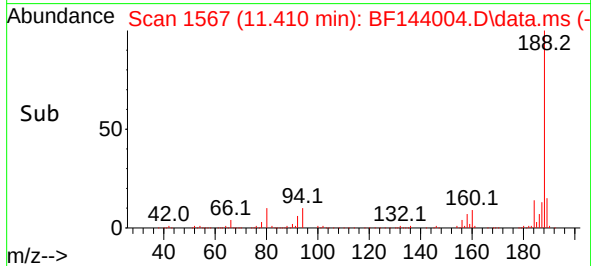
Instrument :
BNA_F
ClientSampleId :
VNJ-255



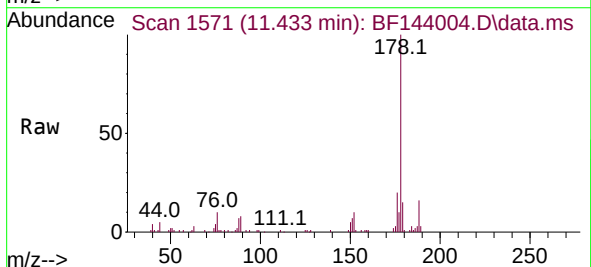
Tgt Ion:188 Resp: 259294
Ion Ratio Lower Upper
188 100
94 9.5 7.8 11.6
80 10.1 7.9 11.9

Manual Integrations
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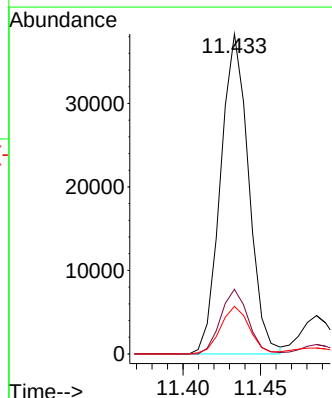
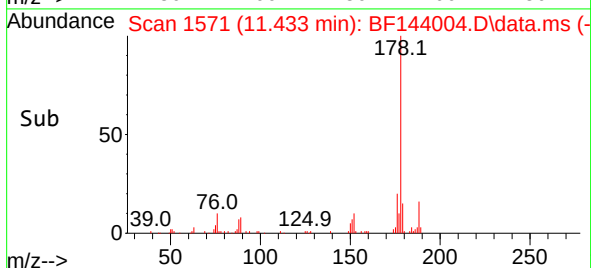
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

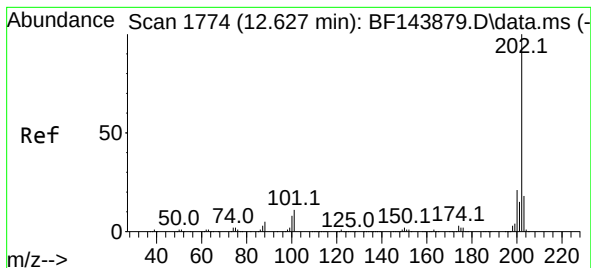


#71
Phenanthrene
Concen: 3.846 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54



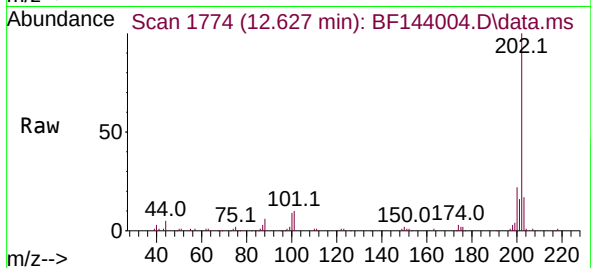
Tgt Ion:178 Resp: 48346
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 5.074 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

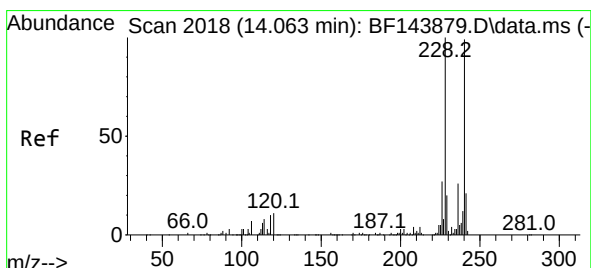
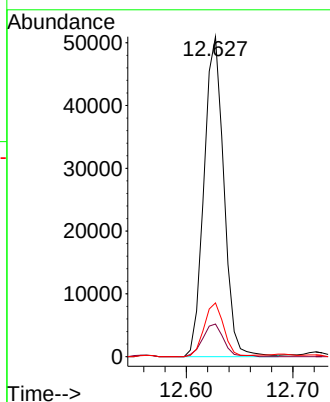
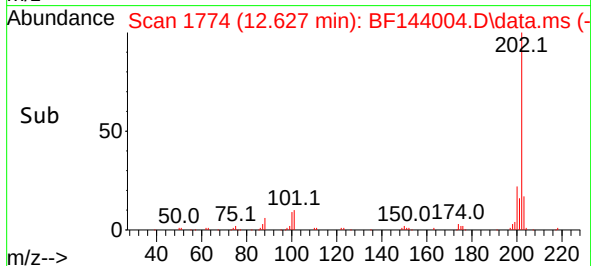
Instrument :
BNA_F
ClientSampleId :
VNJ-255



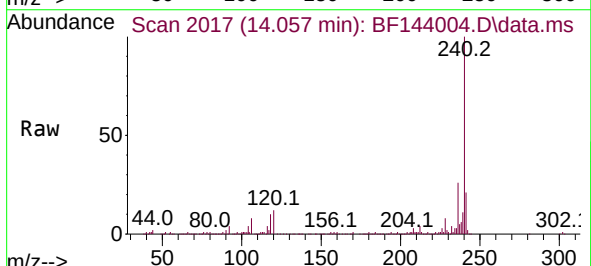
Tgt Ion:202 Resp: 65889
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.7
203 16.8 0.0 37.8

Manual Integrations
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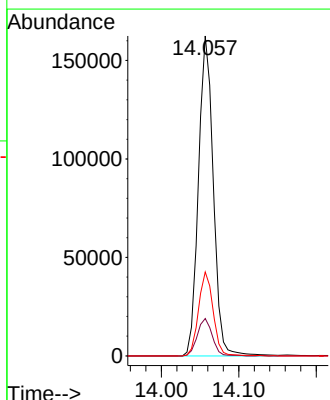
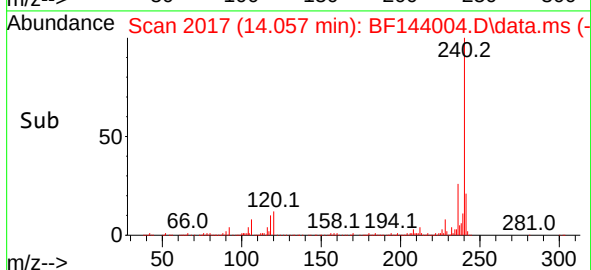
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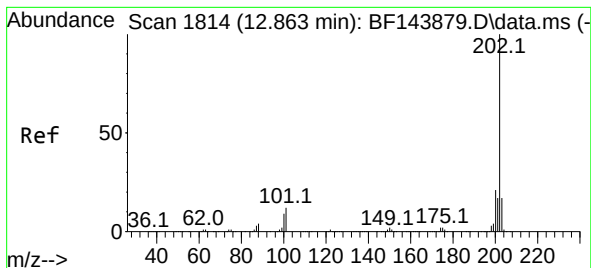


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54



Tgt Ion:240 Resp: 216578
Ion Ratio Lower Upper
240 100
120 11.7 8.6 13.0
236 26.2 21.1 31.7





#78

Pyrene

Concen: 3.113 ng

RT: 12.857 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF144004.D

Acq: 20 Oct 2025 17:54

Instrument :

BNA_F

ClientSampleId :

VNJ-255

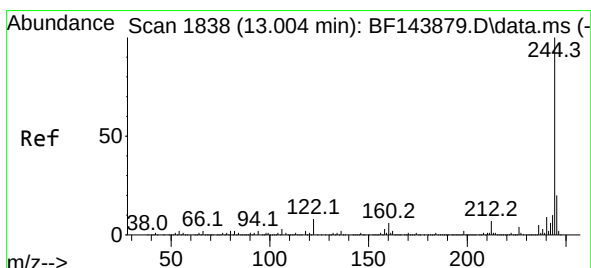
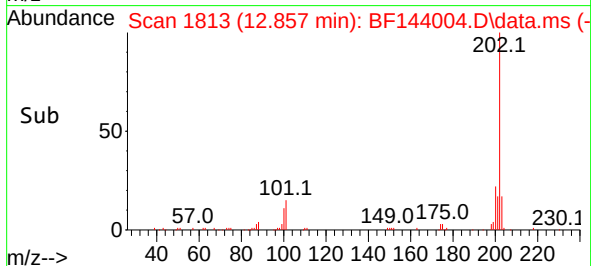
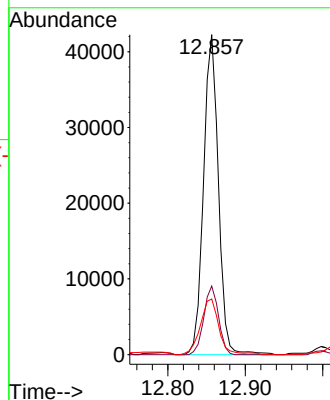
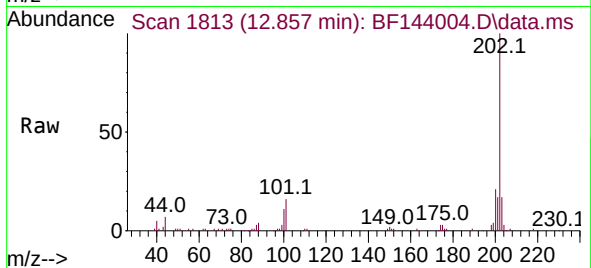
Tgt Ion:202 Resp: 56206
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.0 25.6
 203 17.4 13.8 20.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#79

Terphenyl-d14

Concen: 35.459 ng

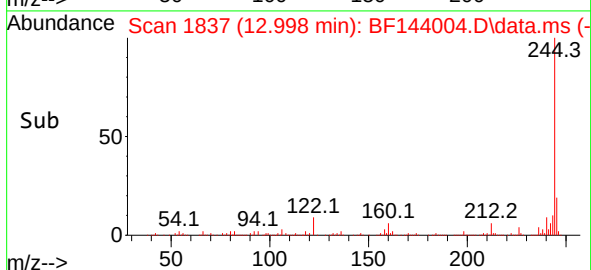
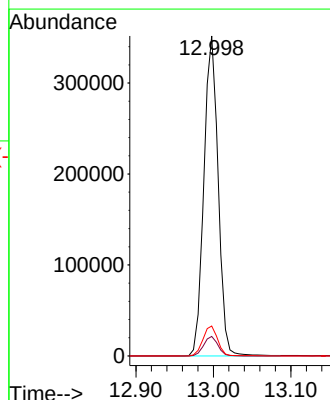
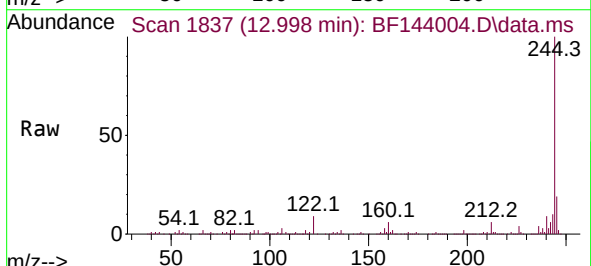
RT: 12.998 min Scan# 1837

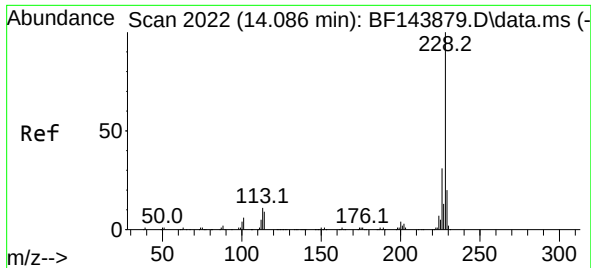
Delta R.T. -0.012 min

Lab File: BF144004.D

Acq: 20 Oct 2025 17:54

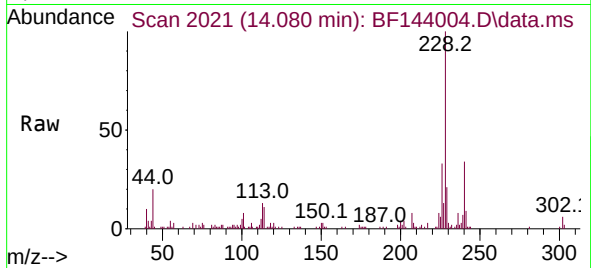
Tgt Ion:244 Resp: 449341
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.0
 122 9.3 6.4 9.6





#83
Chrysene
Concen: 2.338 ng
RT: 14.080 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

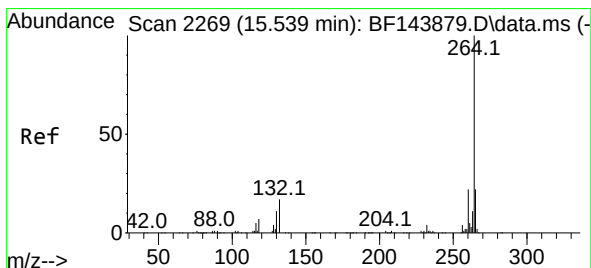
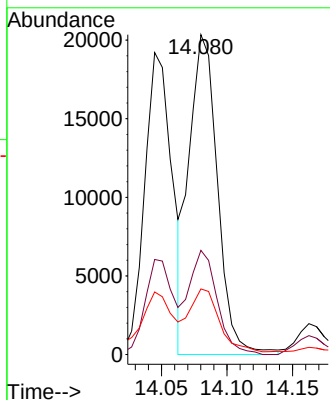
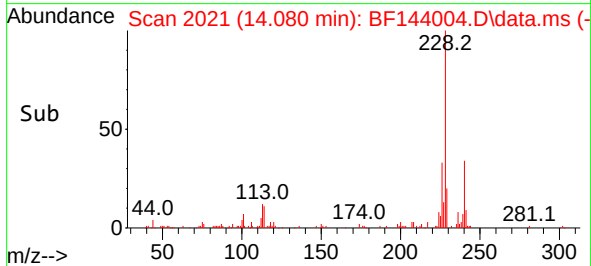
Instrument :
BNA_F
ClientSampleId :
VNJ-255



Tgt Ion:228 Resp: 30668
Ion Ratio Lower Upper
228 100
226 32.6 24.4 36.6
229 20.5 15.9 23.9

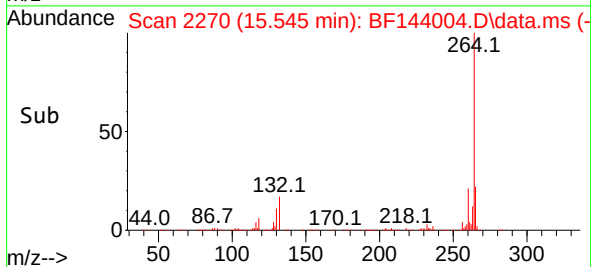
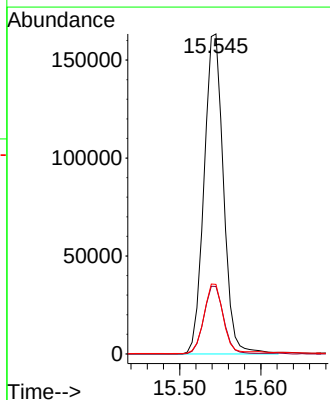
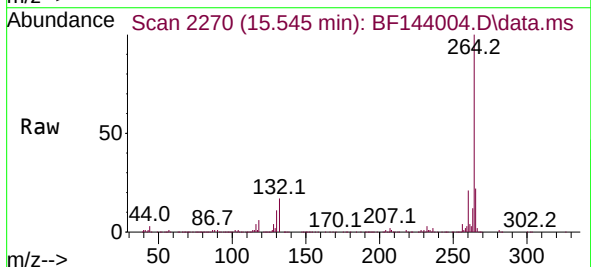
Manual Integrations
APPROVED

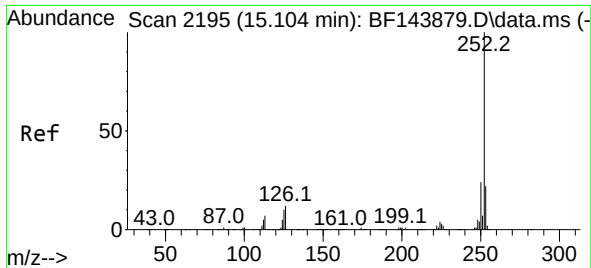
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

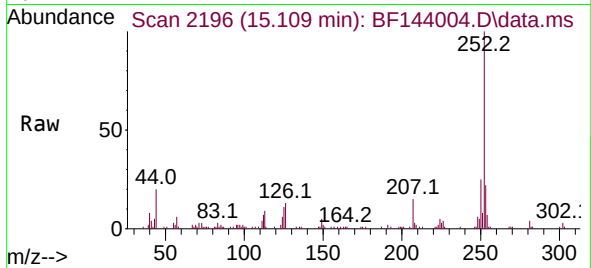
Tgt Ion:264 Resp: 271683
Ion Ratio Lower Upper
264 100
260 21.1 17.8 26.8
265 21.7 17.5 26.3





#88
Benzo(b)fluoranthene
Concen: 2.937 ng m
RT: 15.109 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54

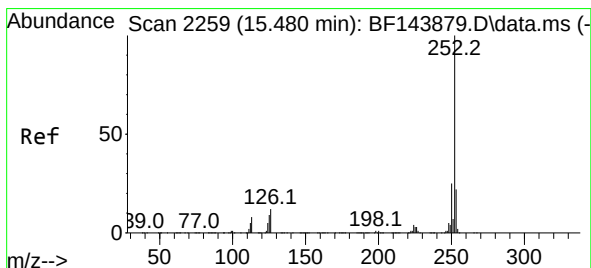
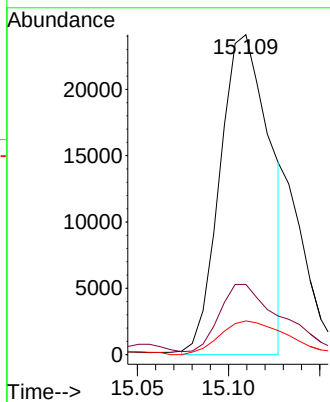
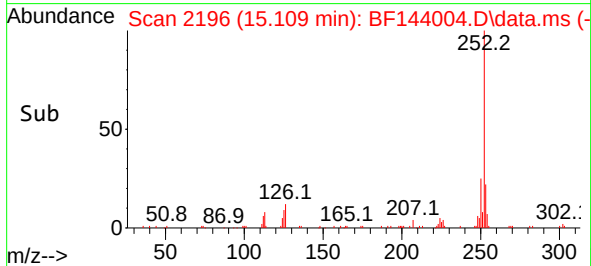
Instrument :
BNA_F
ClientSampleId :
VNJ-255



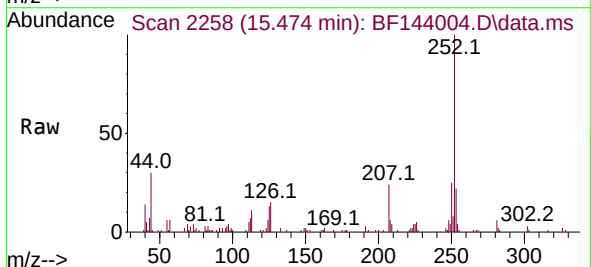
Tgt Ion:252 Resp: 45838
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 10.5 7.8 11.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#90
Benzo(a)pyrene
Concen: 2.030 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF144004.D
Acq: 20 Oct 2025 17:54



Tgt Ion:252 Resp: 27475
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 12.8 7.0 10.4

