

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143708.D
 Acq On : 11 Sep 2025 16:01
 Operator : RC/JU
 Sample : Q3065-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 11 16:22:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	33815	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	127079	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	64893	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	89343	20.000	ng	0.00
76) Chrysene-d12	14.057	240	88018	20.000	ng	0.01
86) Perylene-d12	15.539	264	68151	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	130380	65.784	ng	0.00
7) Phenol-d6	6.504	99	159510	66.098	ng	0.00
23) Nitrobenzene-d5	7.451	82	96791	47.376	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	36290	55.491	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	197459	45.966	ng	0.00
79) Terphenyl-d14	13.004	244	160974	29.637	ng	0.01
Target Compounds						Qvalue
75) Fluoranthene	12.633	202	24613	5.446	ng	99
78) Pyrene	12.863	202	30679	4.359	ng	97
81) Benzo(a)anthracene	14.045	228	17389	3.071	ng	# 84
83) Chrysene	14.080	228	19545	3.769	ng	# 91
88) Benzo(b)fluoranthene	15.104	252	19810m	4.883	ng	
90) Benzo(a)pyrene	15.474	252	12472	3.499	ng	# 94

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

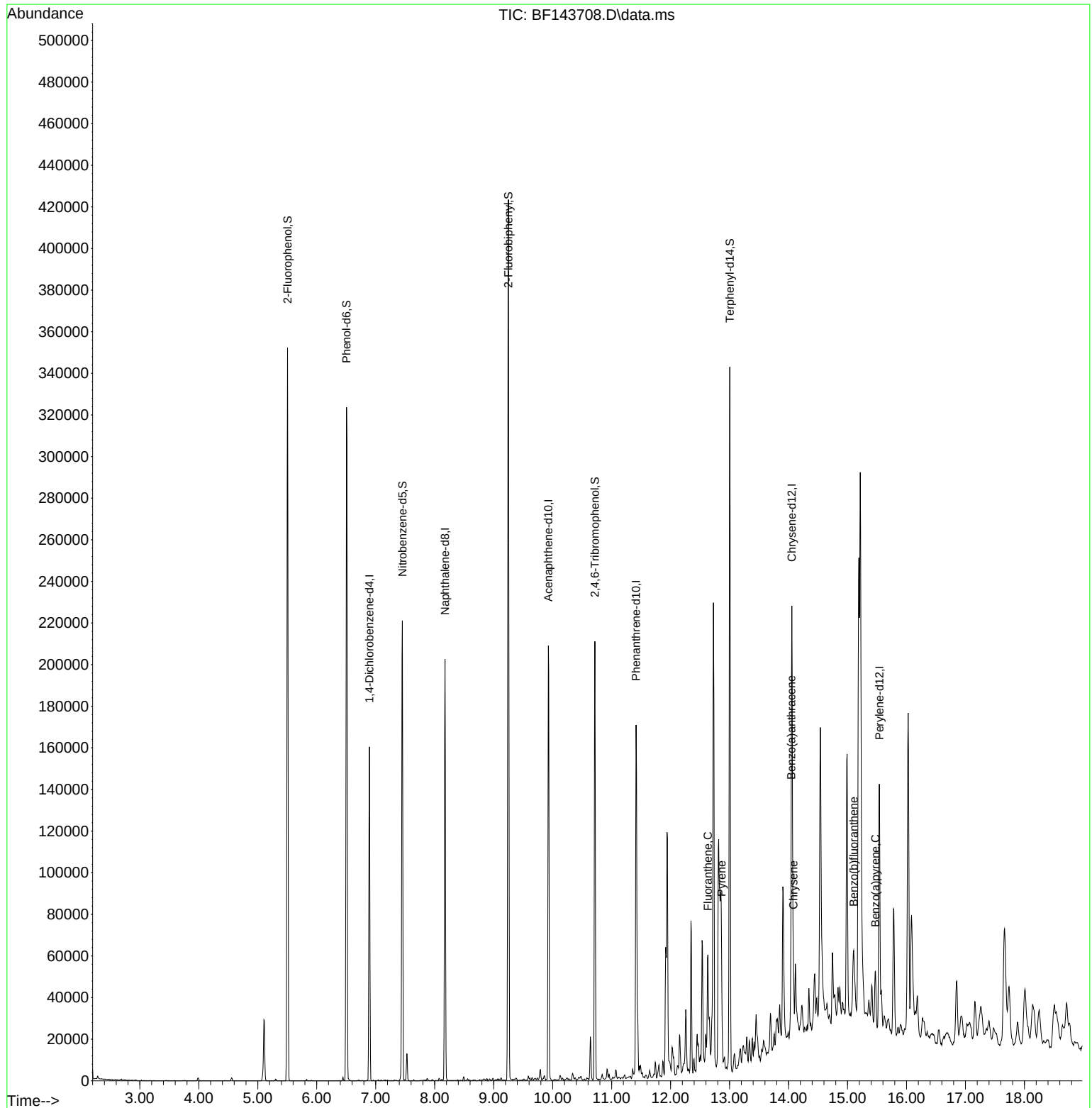
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143708.D
Acq On : 11 Sep 2025 16:01
Operator : RC/JU
Sample : Q3065-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

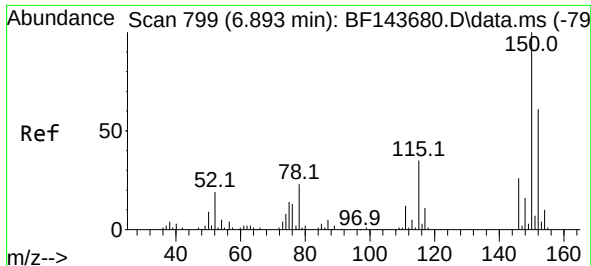
Instrument :
BNA_F
ClientSampleId :
VNJ-204

Quant Time: Sep 11 16:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
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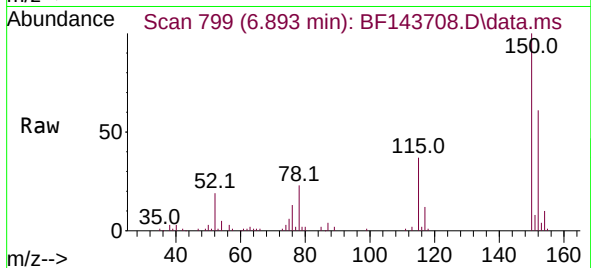
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Supervised By :Jagrut Upadhyay 09/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01

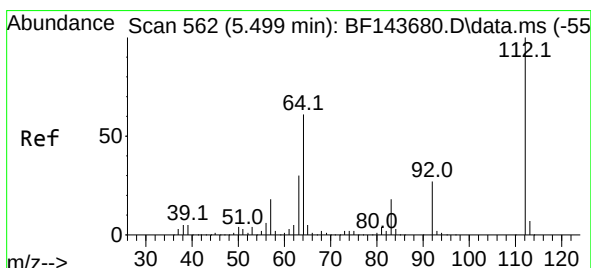
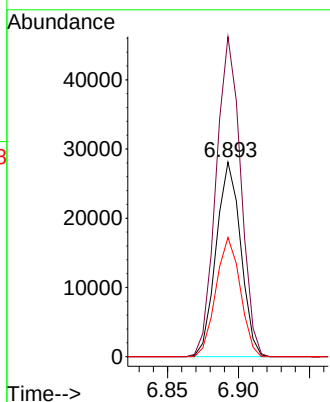
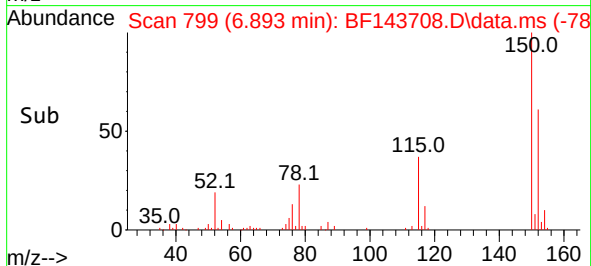
Instrument :
BNA_F
ClientSampleId :
VNJ-204



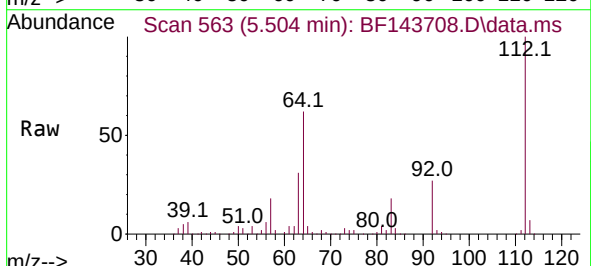
Tgt Ion:152 Resp: 33815
Ion Ratio Lower Upper
152 100
150 164.5 130.7 196.1
115 61.2 45.9 68.9

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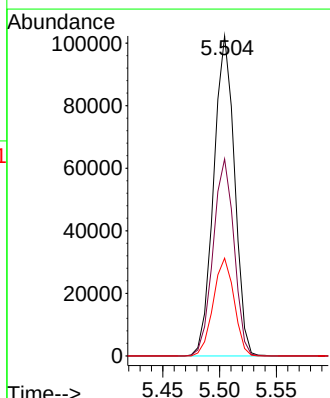
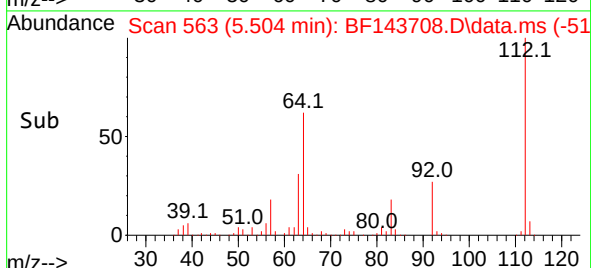
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

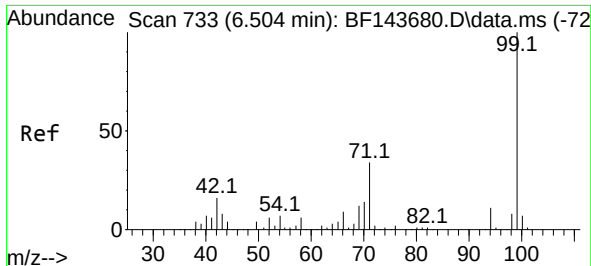


#5
2-Fluorophenol
Concen: 65.784 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01



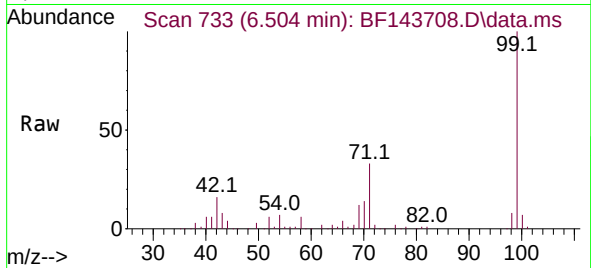
Tgt Ion:112 Resp: 130380
Ion Ratio Lower Upper
112 100
64 61.5 49.0 73.4
63 30.5 24.3 36.5





#7
Phenol-d6
Concen: 66.098 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01

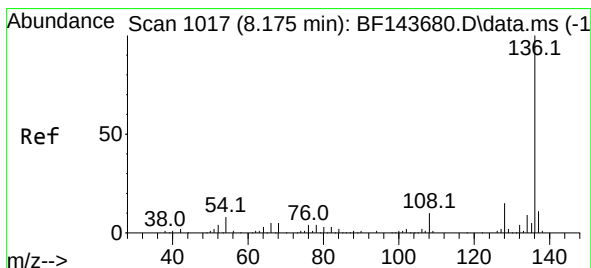
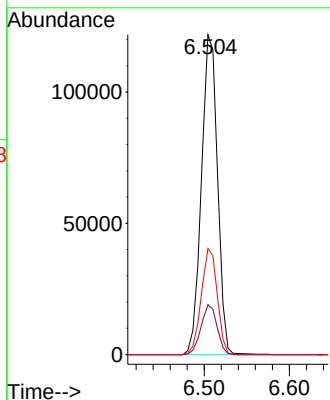
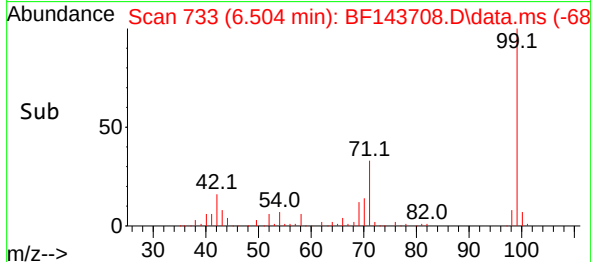
Instrument :
BNA_F
ClientSampleId :
VNJ-204



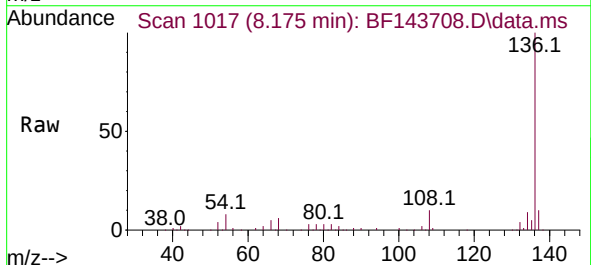
Tgt Ion: 99 Resp: 159510
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 33.1 27.4 41.2

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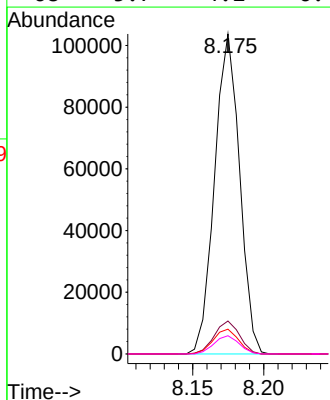
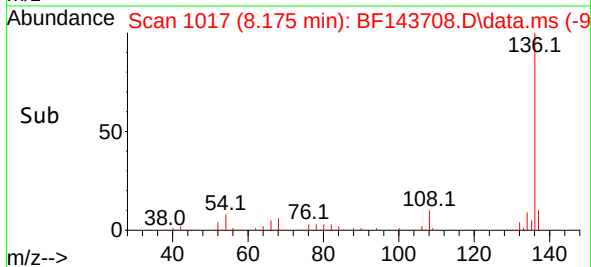
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

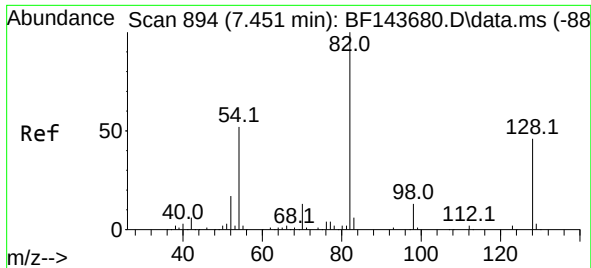


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01



Tgt Ion:136 Resp: 127079
Ion Ratio Lower Upper
136 100
137 10.3 8.7 13.1
54 7.7 6.2 9.2
68 5.7 4.2 6.4





#23

Nitrobenzene-d5

Concen: 47.376 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143708.D

Acq: 11 Sep 2025 16:01

Instrument :

BNA_F

ClientSampleId :

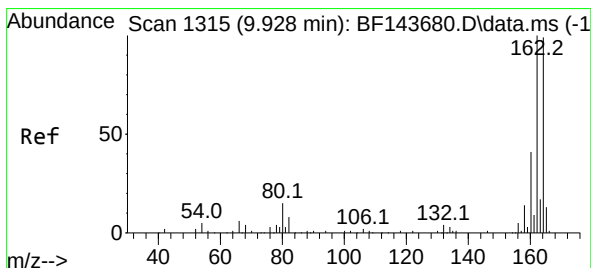
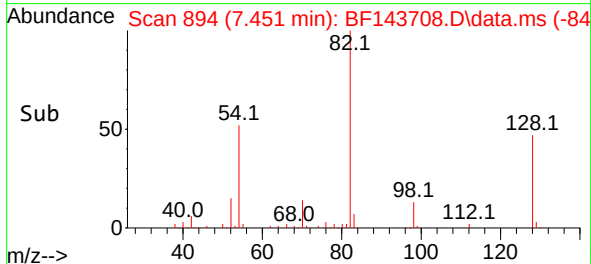
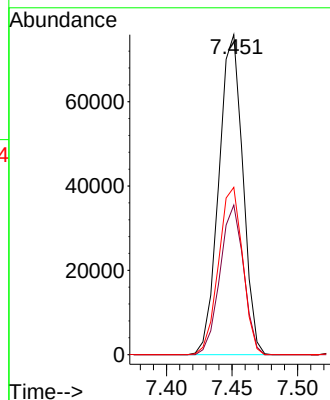
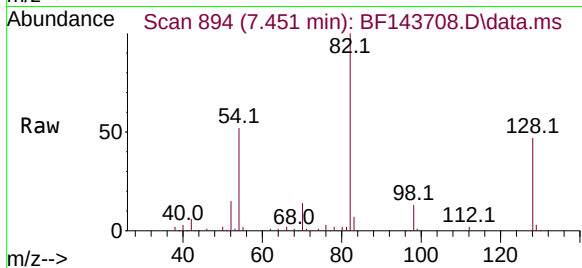
VNJ-204

Tgt Ion: 82 Resp: 96791
 Ion Ratio Lower Upper
 82 100
 128 46.7 37.0 55.4
 54 52.3 41.8 62.8

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 Supervised By :Jagrut Upadhyay 09/12/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

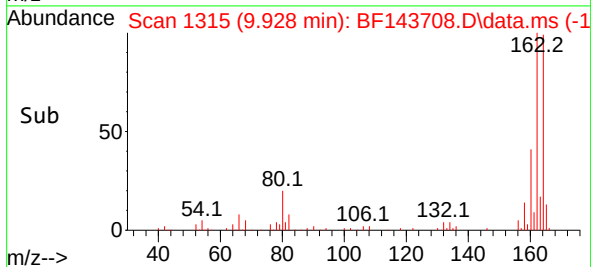
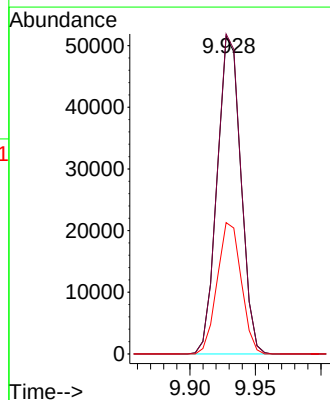
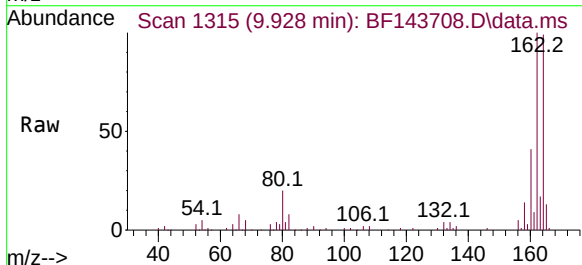
RT: 9.928 min Scan# 1315

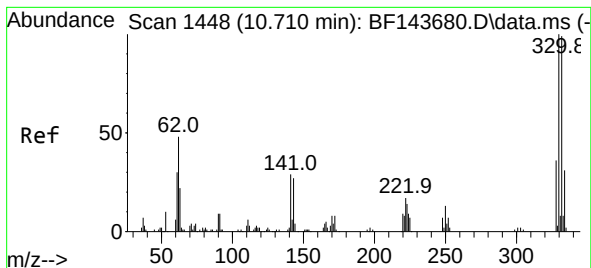
Delta R.T. -0.000 min

Lab File: BF143708.D

Acq: 11 Sep 2025 16:01

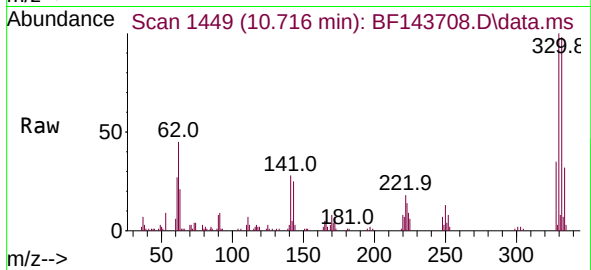
Tgt Ion:164 Resp: 64893
 Ion Ratio Lower Upper
 164 100
 162 100.8 80.6 121.0
 160 41.4 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 55.491 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01

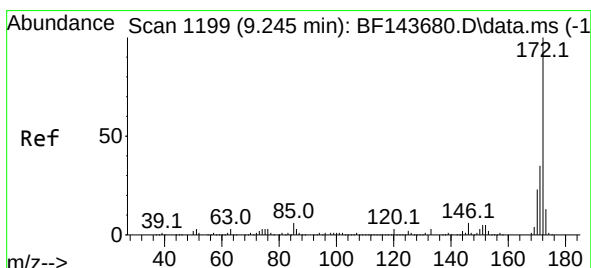
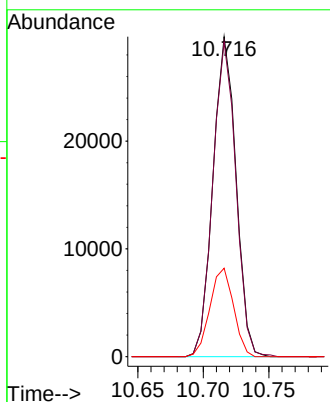
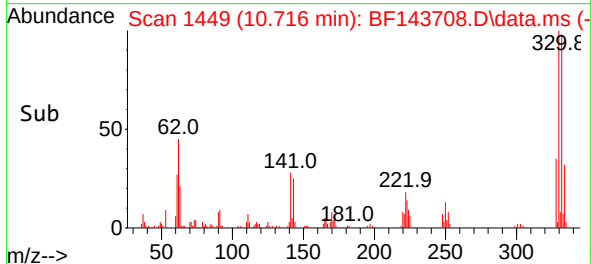
Instrument :
BNA_F
ClientSampleId :
VNJ-204



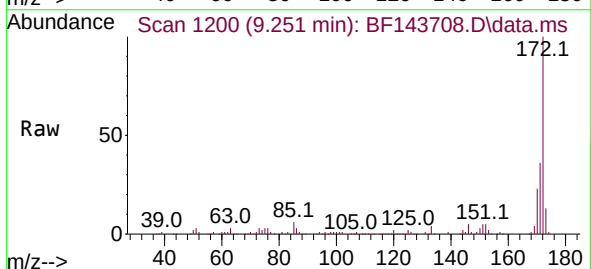
Tgt Ion: 330 Resp: 36290
Ion Ratio Lower Upper
330 100
332 98.4 79.2 118.8
141 28.3 22.2 33.4

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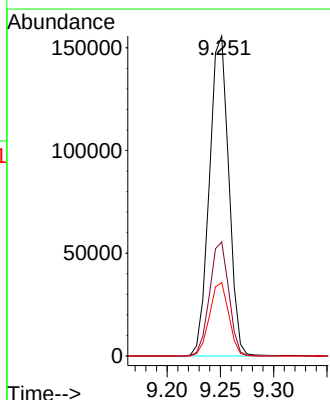
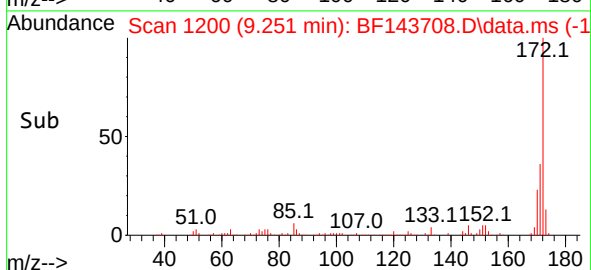
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

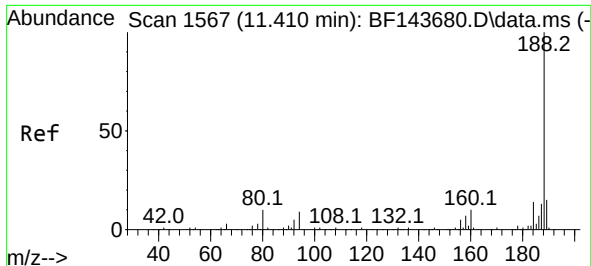


#45
2-Fluorobiphenyl
Concen: 45.966 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01



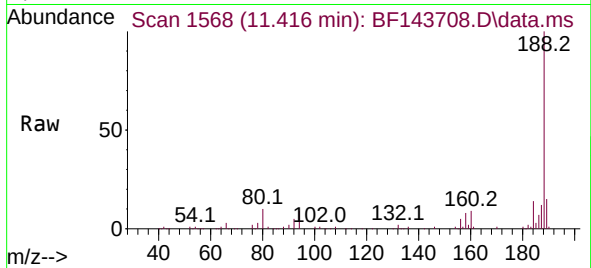
Tgt Ion: 172 Resp: 197459
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 22.9 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01

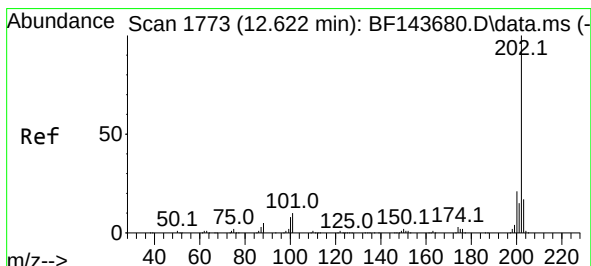
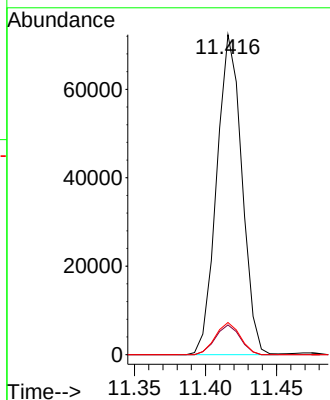
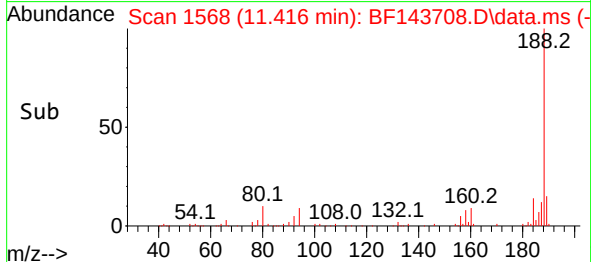
Instrument :
BNA_F
ClientSampleId :
VNJ-204



Tgt Ion:188 Resp: 89343
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.0
80 10.0 7.7 11.5

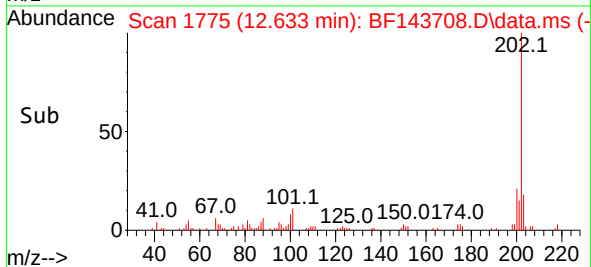
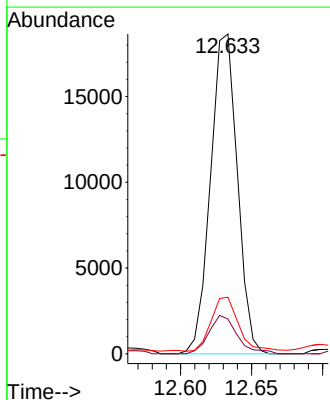
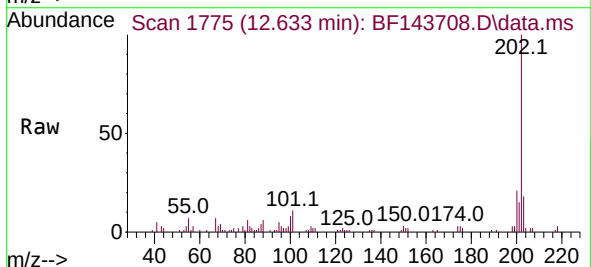
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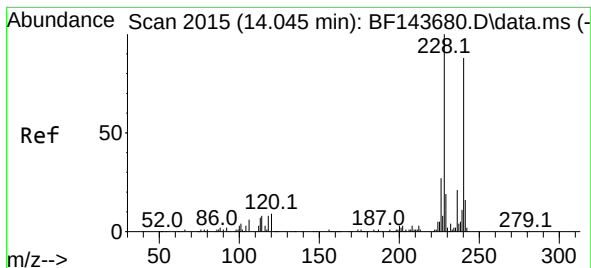
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#75
Fluoranthene
Concen: 5.446 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.012 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01

Tgt Ion:202 Resp: 24613
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.5
203 17.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2015

Delta R.T. 0.012 min

Lab File: BF143708.D

Acq: 11 Sep 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VNJ-204

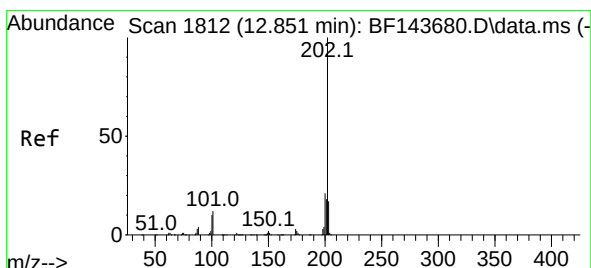
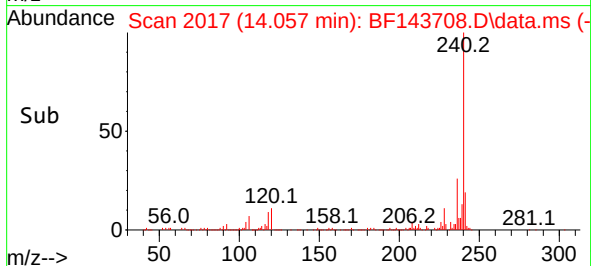
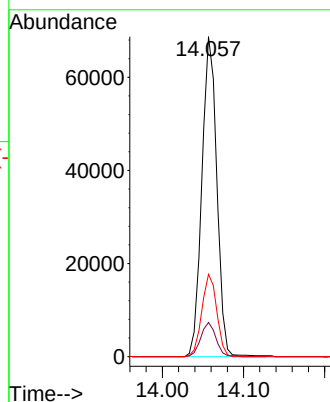
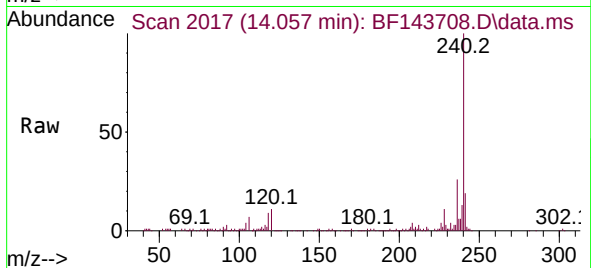
Tgt Ion:240	Resp:	88018
Ion Ratio	Lower	Upper
240	100	
120	10.7	8.4 12.6
236	25.7	18.6 28.0

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#78

Pyrene

Concen: 4.359 ng

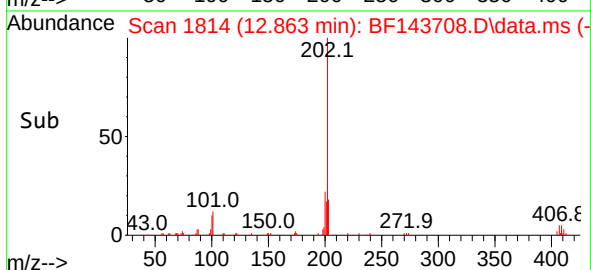
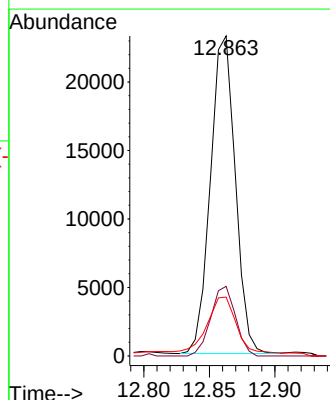
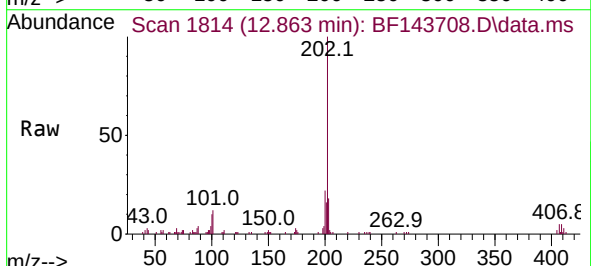
RT: 12.863 min Scan# 1814

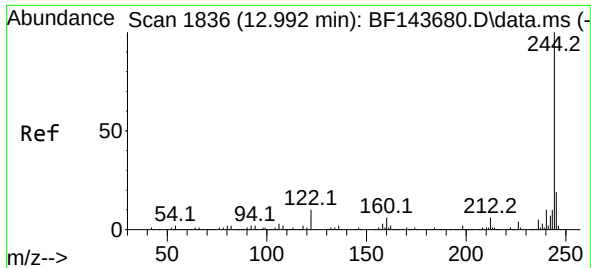
Delta R.T. 0.012 min

Lab File: BF143708.D

Acq: 11 Sep 2025 16:01

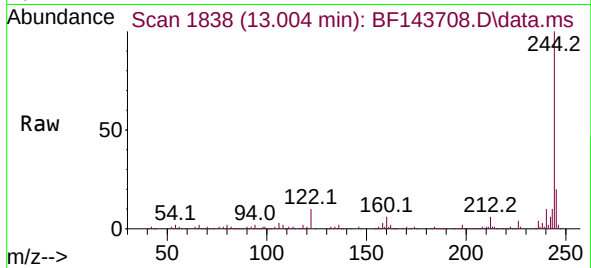
Tgt Ion:202	Resp:	30679
Ion Ratio	Lower	Upper
202	100	
200	21.7	16.6 24.8
203	18.4	13.5 20.3





#79
 Terphenyl-d14
 Concen: 29.637 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. 0.012 min
 Lab File: BF143708.D
 Acq: 11 Sep 2025 16:01

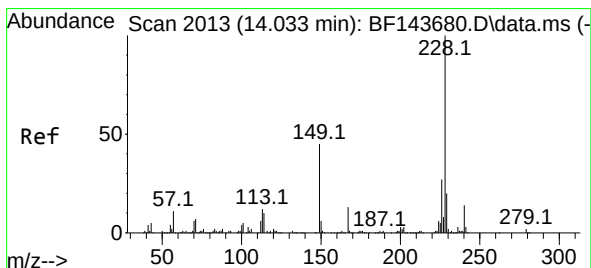
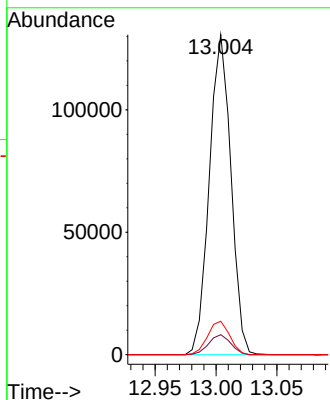
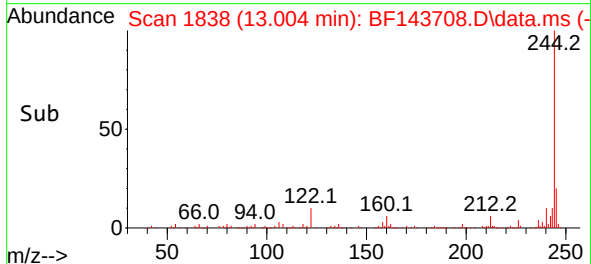
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204



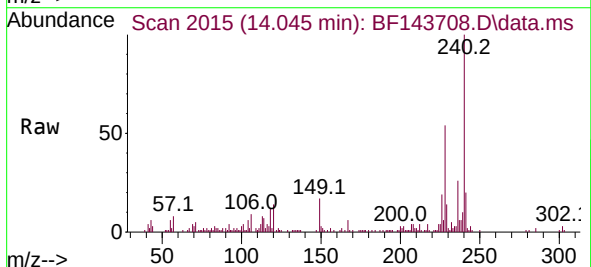
Tgt Ion:244 Resp: 160974
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.6
 122 10.4 7.9 11.9

Manual Integrations
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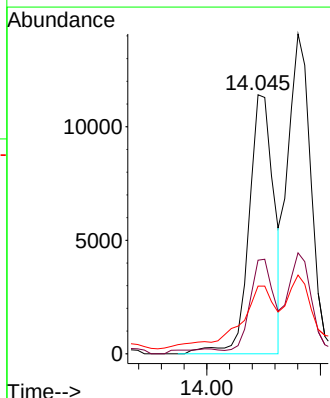
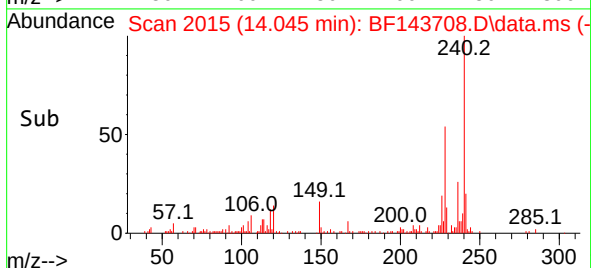
Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

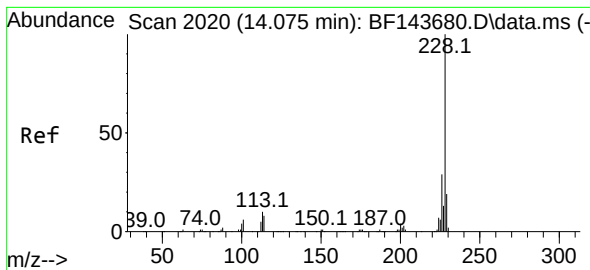


#81
 Benzo(a)anthracene
 Concen: 3.071 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. 0.012 min
 Lab File: BF143708.D
 Acq: 11 Sep 2025 16:01



Tgt Ion:228 Resp: 17389
 Ion Ratio Lower Upper
 228 100
 226 36.2 21.6 32.4#
 229 26.1 15.7 23.5#





#83

Chrysene

Concen: 3.769 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143708.D

Acq: 11 Sep 2025 16:01

Instrument :

BNA_F

ClientSampleId :

VNJ-204

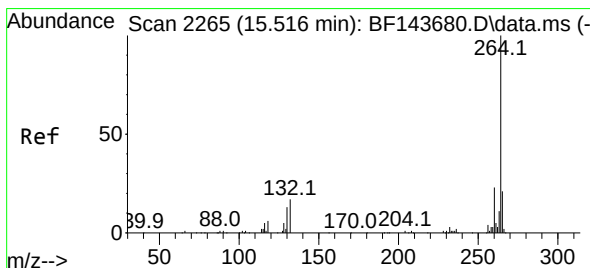
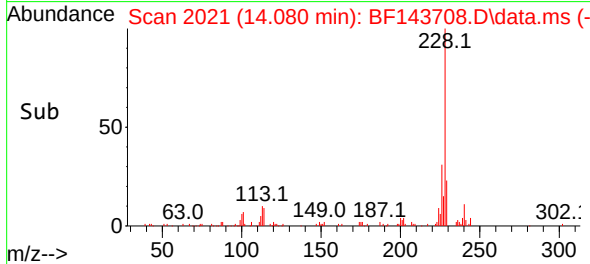
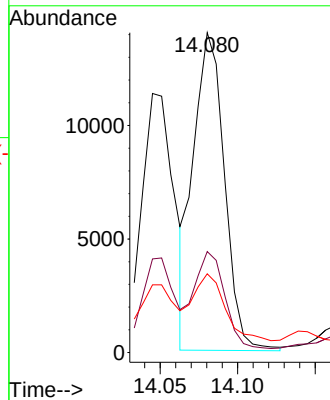
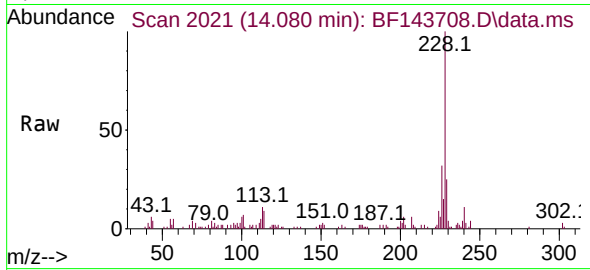
Tgt Ion:228	Resp:	1954
Ion Ratio	Lower	Upper
228	100	
226	31.6	22.7 34.1
229	24.6	15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#86

Perylene-d12

Concen: 20.000 ng

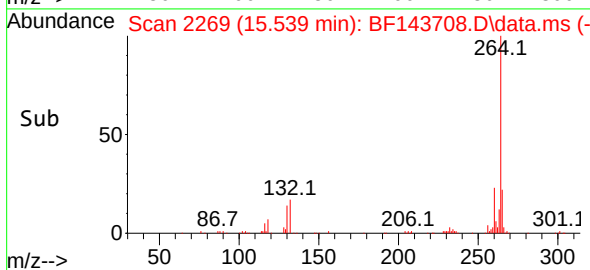
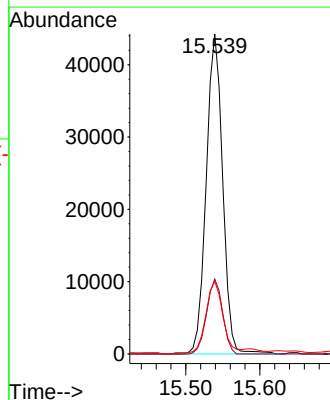
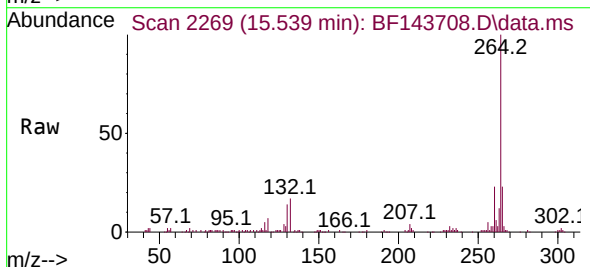
RT: 15.539 min Scan# 2269

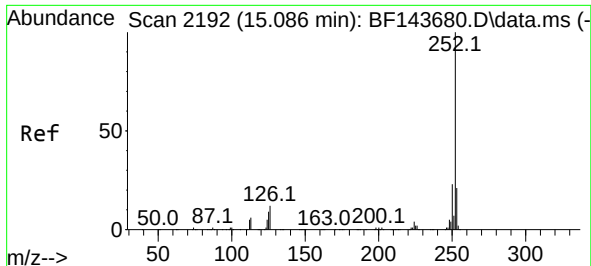
Delta R.T. 0.023 min

Lab File: BF143708.D

Acq: 11 Sep 2025 16:01

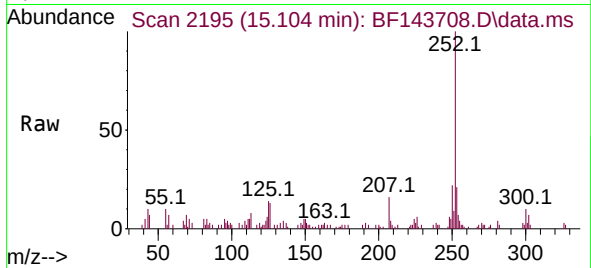
Tgt Ion:264	Resp:	68151
Ion Ratio	Lower	Upper
264	100	
260	23.4	18.4 27.6
265	22.6	17.1 25.7





#88
Benzo(b)fluoranthene
Concen: 4.883 ng m
RT: 15.104 min Scan# 2192
Delta R.T. 0.018 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01

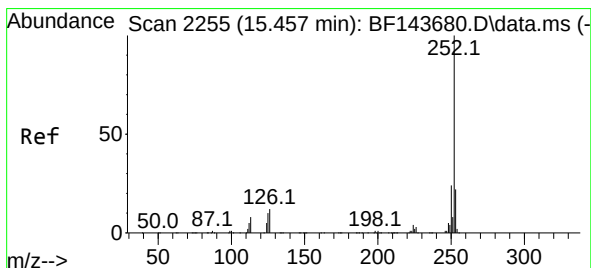
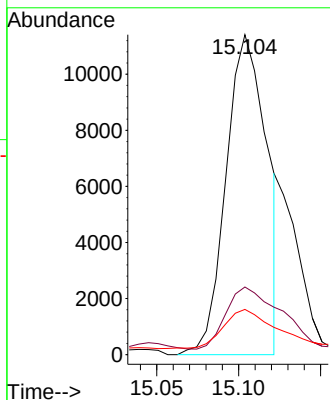
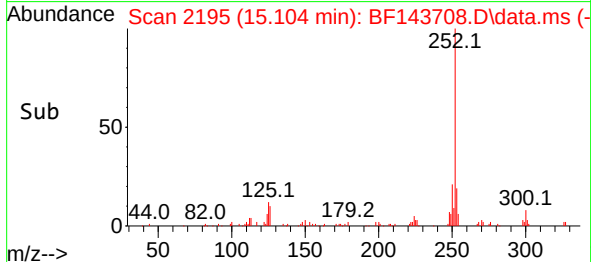
Instrument :
BNA_F
ClientSampleId :
VNJ-204



Tgt Ion:252 Resp: 19810
Ion Ratio Lower Upper
252 100
253 21.1 17.0 25.4
125 14.1 7.4 11.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#90
Benzo(a)pyrene
Concen: 3.499 ng
RT: 15.474 min Scan# 2258
Delta R.T. 0.018 min
Lab File: BF143708.D
Acq: 11 Sep 2025 16:01

Tgt Ion:252 Resp: 12472
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 13.5 8.2 12.4

