

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143710.D
 Acq On : 11 Sep 2025 17:00
 Operator : RC/JU
 Sample : Q3066-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Manual Integrations
 APPROVED

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

Quant Time: Sep 11 17:24:33 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	33652	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	120466	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	59757	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	84448	20.000	ng	0.00
76) Chrysene-d12	14.057	240	87903	20.000	ng	0.01
86) Perylene-d12	15.545	264	59234	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	166245	84.286	ng	0.00
7) Phenol-d6	6.510	99	202108	84.156	ng	0.00
23) Nitrobenzene-d5	7.451	82	118898	61.391	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	47851	79.458	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	240545	60.808	ng	0.00
79) Terphenyl-d14	13.004	244	221780	40.886	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	10431	2.242	ng	96
75) Fluoranthene	12.633	202	19318	4.523	ng	100
78) Pyrene	12.857	202	20099	2.860	ng	97
81) Benzo(a)anthracene	14.051	228	11313	2.000	ng	96
84) Bis(2-ethylhexyl)phtha...	14.045	149	8272	2.633	ng	# 92
88) Benzo(b)fluoranthene	15.110	252	10337m	2.932	ng	

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

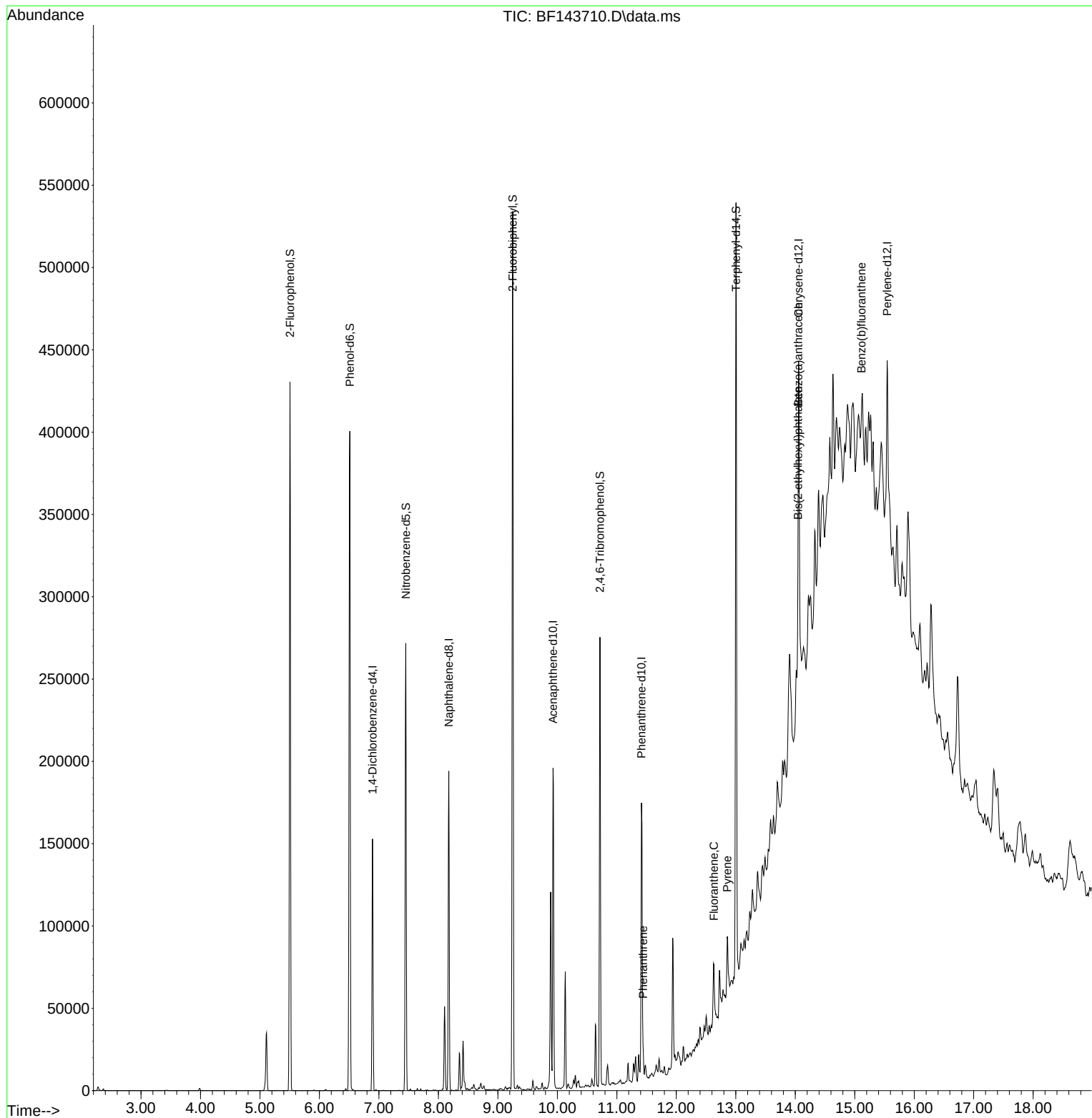
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143710.D
Acq On : 11 Sep 2025 17:00
Operator : RC/JU
Sample : Q3066-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

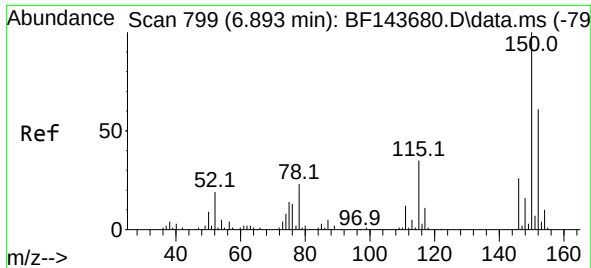
Instrument :
BNA_F
ClientSampleId :
VNJ-242

Quant Time: Sep 11 17:24:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
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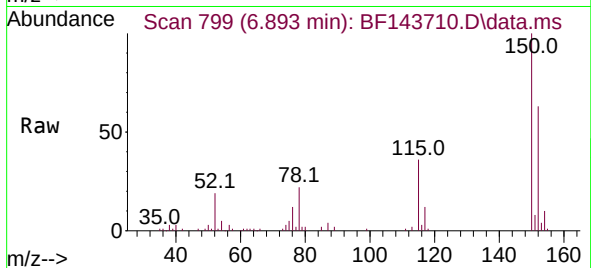
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

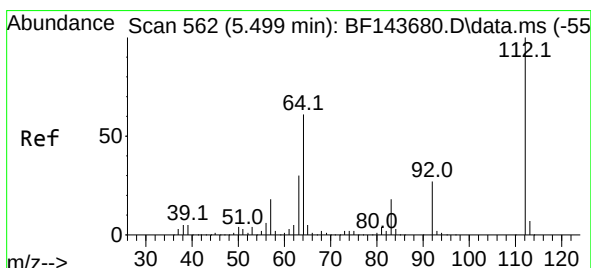
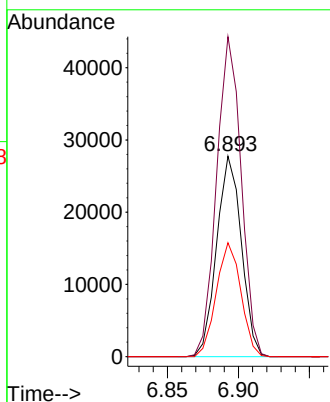
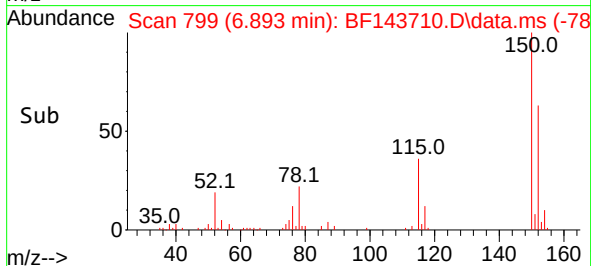
Instrument :
BNA_F
ClientSampleId :
VNJ-242



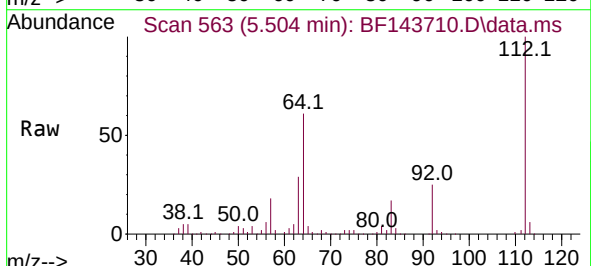
Tgt Ion:152 Resp: 33652
Ion Ratio Lower Upper
152 100
150 159.6 130.7 196.1
115 56.8 45.9 68.9

Manual Integrations
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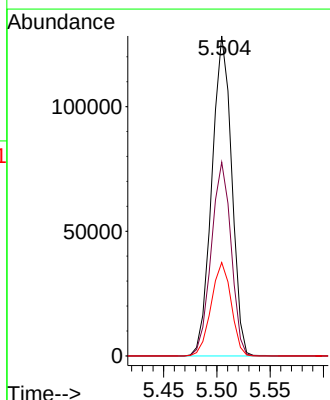
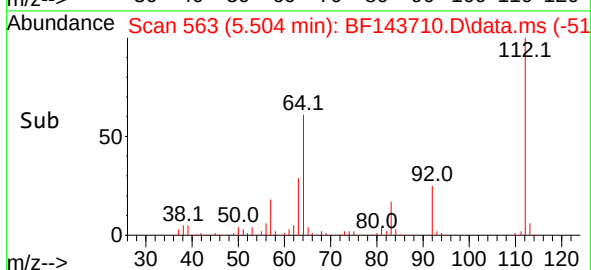
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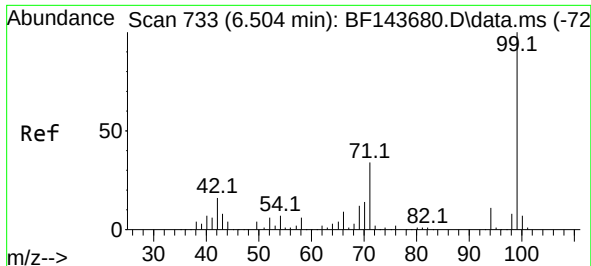


#5
2-Fluorophenol
Concen: 84.286 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00



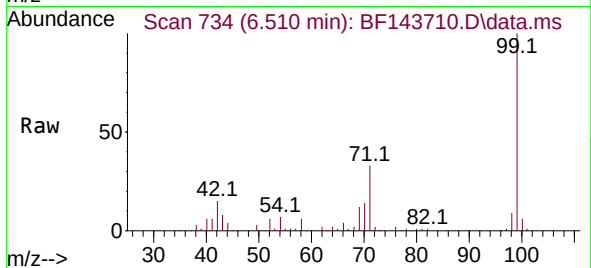
Tgt Ion:112 Resp: 166245
Ion Ratio Lower Upper
112 100
64 60.5 49.0 73.4
63 29.2 24.3 36.5





#7
Phenol-d6
Concen: 84.156 ng
RT: 6.510 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

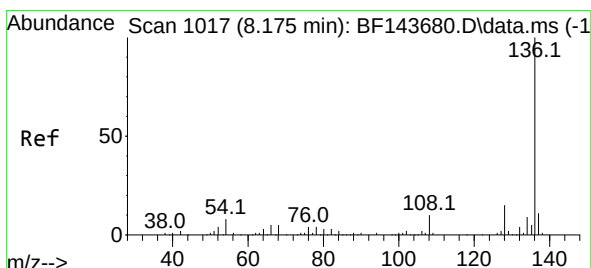
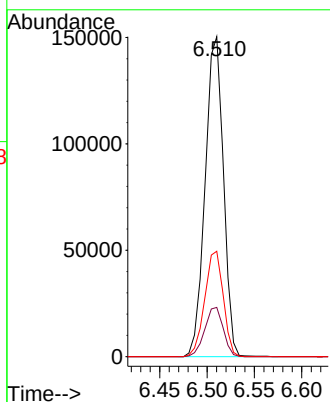
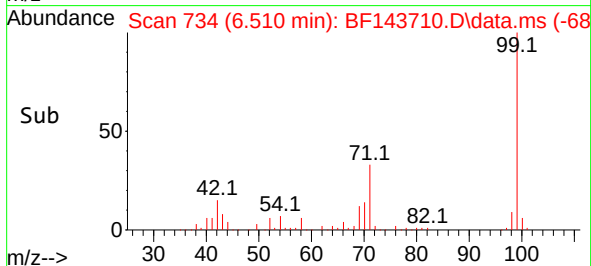
Instrument :
BNA_F
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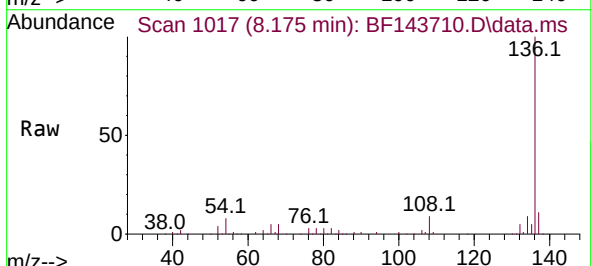
Tgt Ion: 99 Resp: 202108
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 32.9 27.4 41.2

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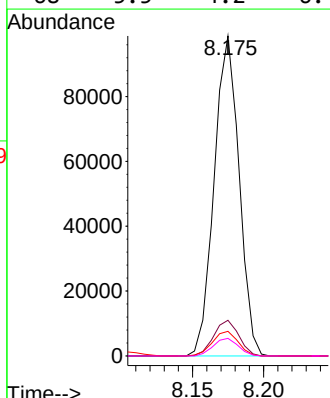
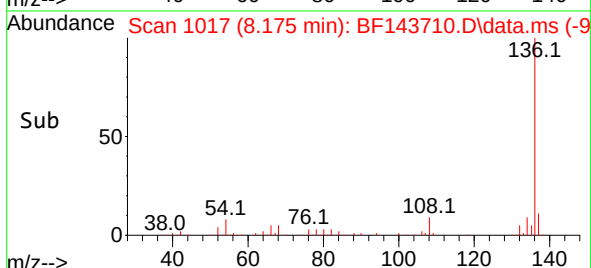
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

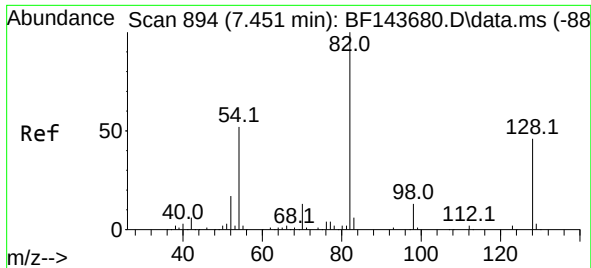


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00



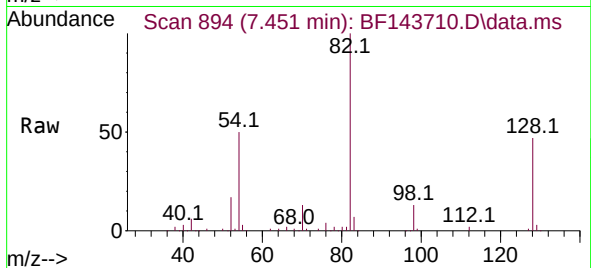
Tgt Ion:136 Resp: 120466
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 7.7 6.2 9.2
68 5.5 4.2 6.4





#23
Nitrobenzene-d5
Concen: 61.391 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.000 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

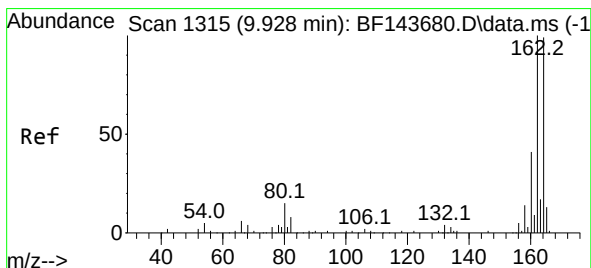
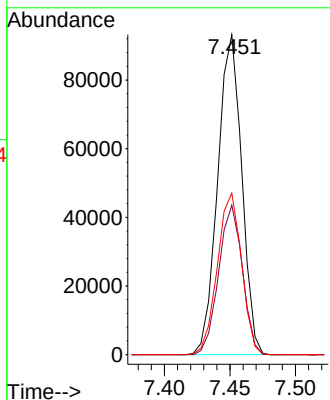
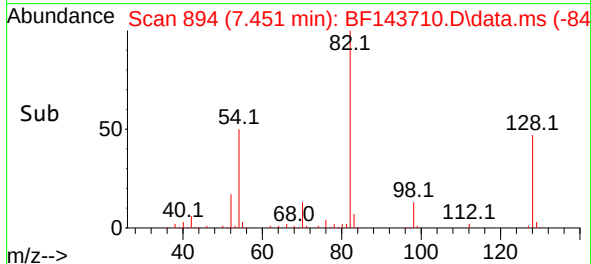
Instrument :
BNA_F
ClientSampleId :
VNJ-242



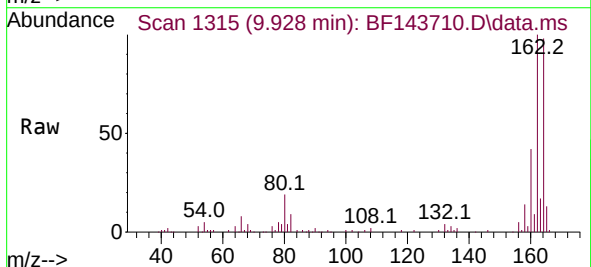
Tgt Ion: 82 Resp: 118898
Ion Ratio Lower Upper
82 100
128 46.7 37.0 55.4
54 50.4 41.8 62.8

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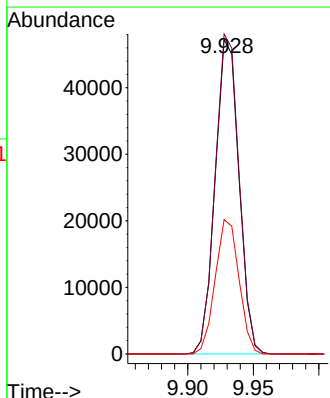
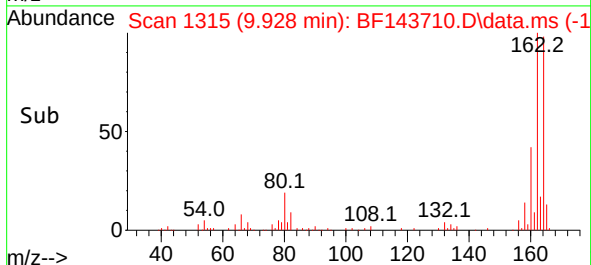
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

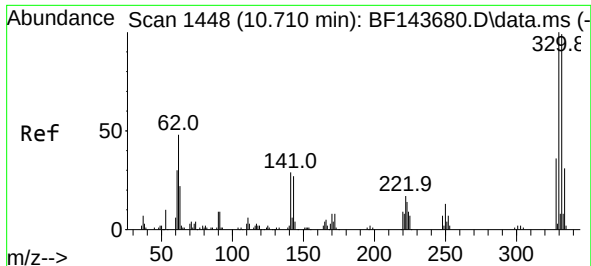


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00



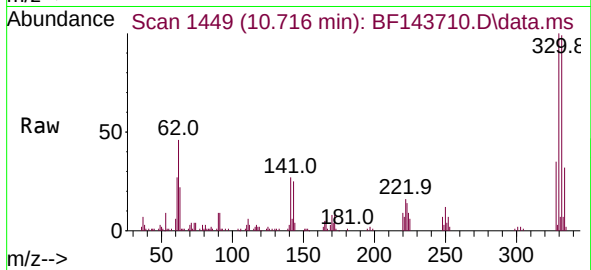
Tgt Ion:164 Resp: 59757
Ion Ratio Lower Upper
164 100
162 101.8 80.6 121.0
160 42.7 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 79.458 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

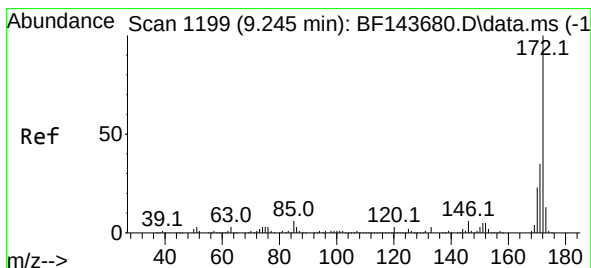
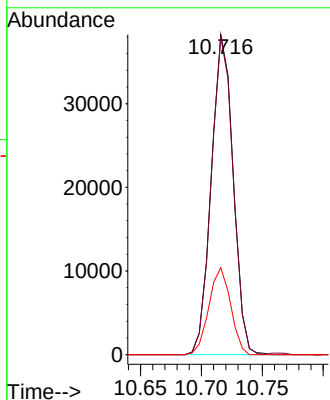
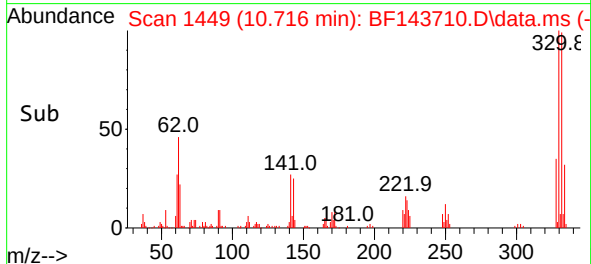
Instrument :
BNA_F
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VNJ-242



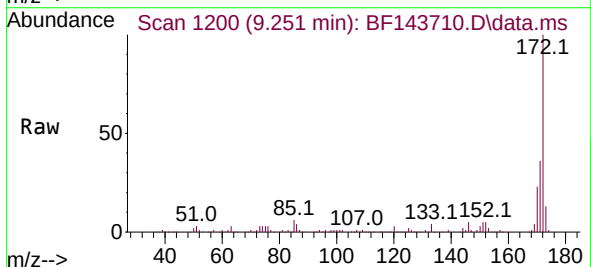
Tgt Ion:330 Resp: 4785
Ion Ratio Lower Upper
330 100
332 98.9 79.2 118.8
141 26.9 22.2 33.4

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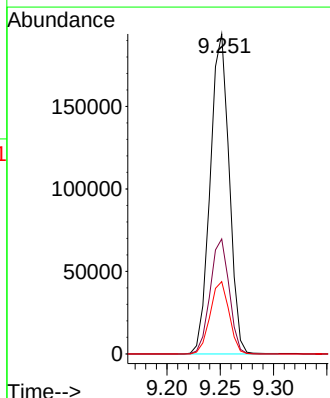
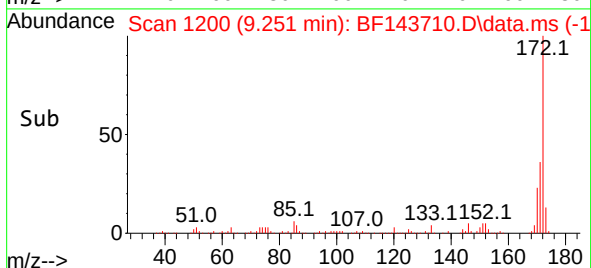
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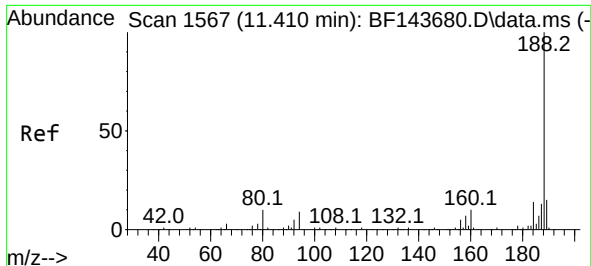


#45
2-Fluorobiphenyl
Concen: 60.808 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00



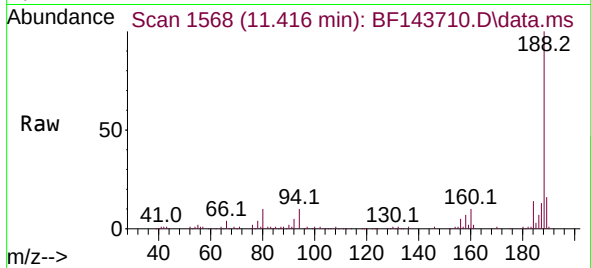
Tgt Ion:172 Resp: 240545
Ion Ratio Lower Upper
172 100
171 35.9 27.9 41.9
170 22.6 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

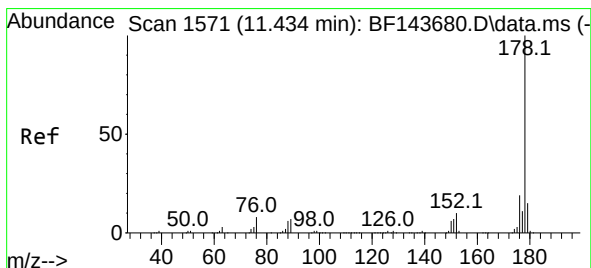
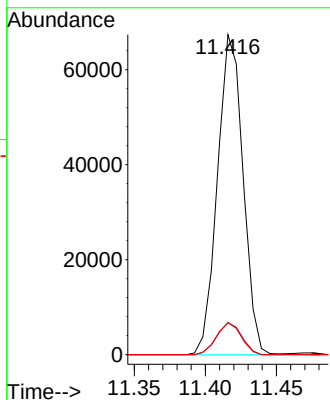
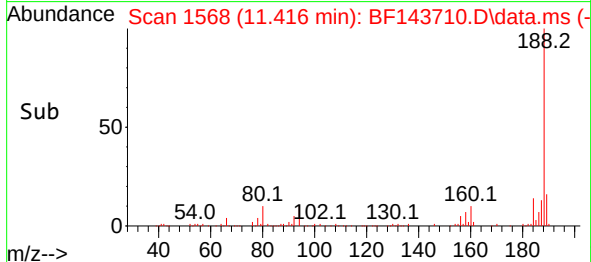
Instrument :
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ClientSampleId :
VNJ-242



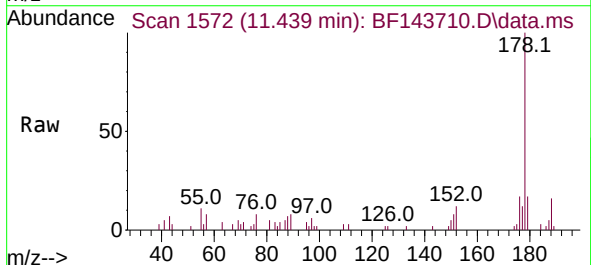
Tgt Ion:188 Resp: 84448
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.0
80 10.0 7.7 11.5

Manual Integrations
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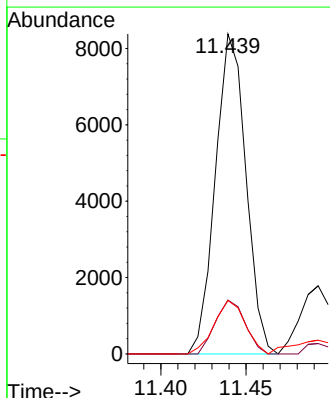
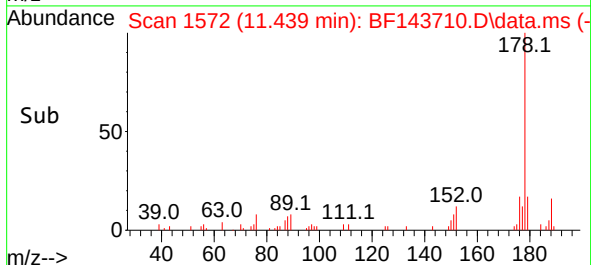
Reviewed By :Rahul Chavli 09/12/2025
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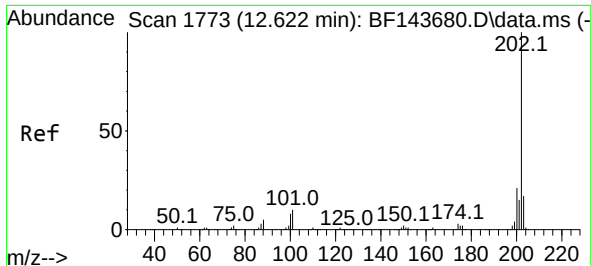


#71
Phenanthrene
Concen: 2.242 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00



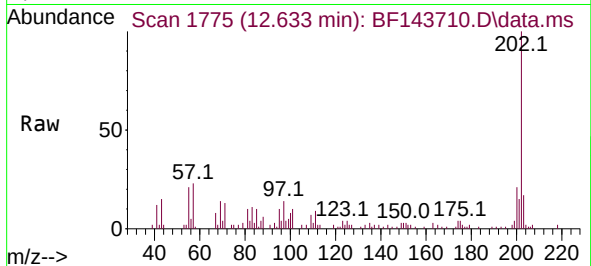
Tgt Ion:178 Resp: 10431
Ion Ratio Lower Upper
178 100
176 16.9 14.8 22.2
179 16.7 12.2 18.2





#75
Fluoranthene
Concen: 4.523 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.012 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

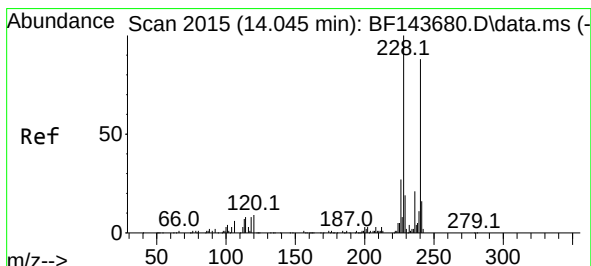
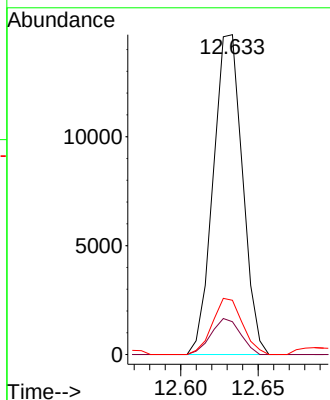
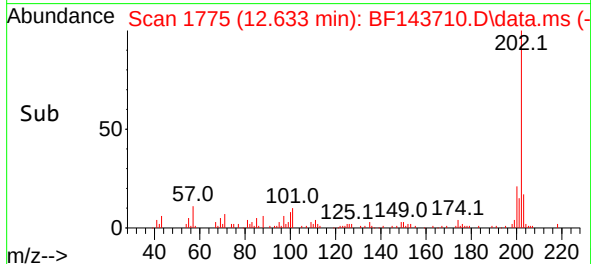
Instrument :
BNA_F
ClientSampleId :
VNJ-242



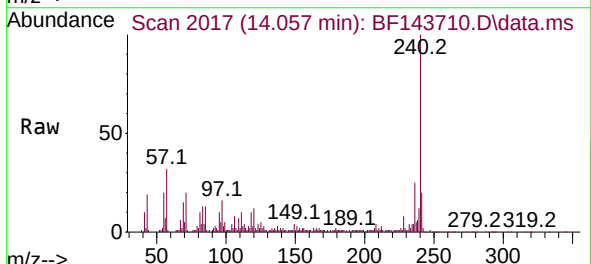
Tgt Ion:202 Resp: 19318
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.5
203 17.0 0.0 37.1

Manual Integrations
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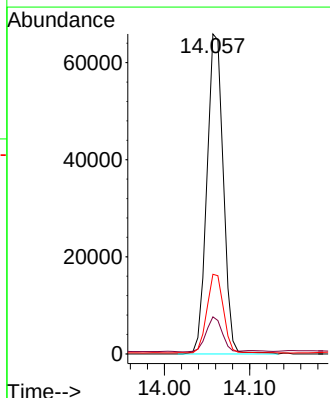
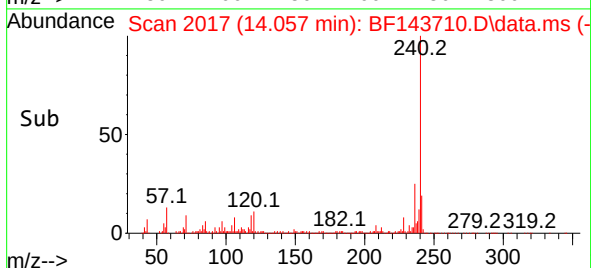
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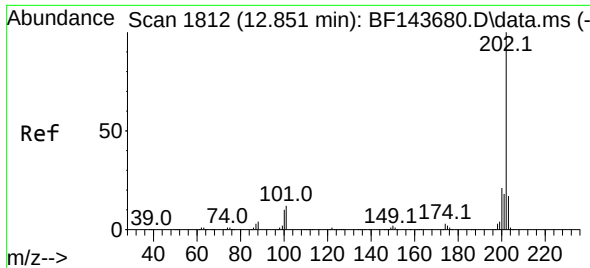


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00



Tgt Ion:240 Resp: 87903
Ion Ratio Lower Upper
240 100
120 11.6 8.4 12.6
236 24.9 18.6 28.0





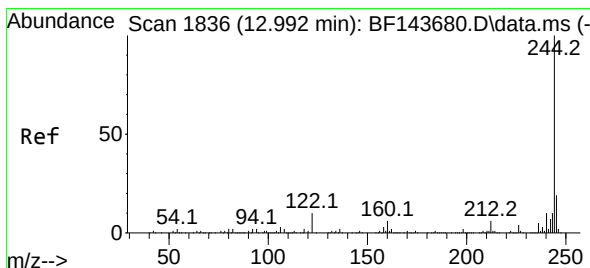
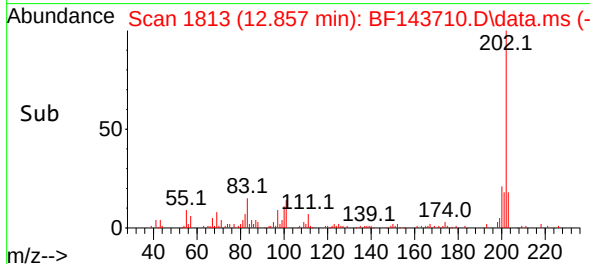
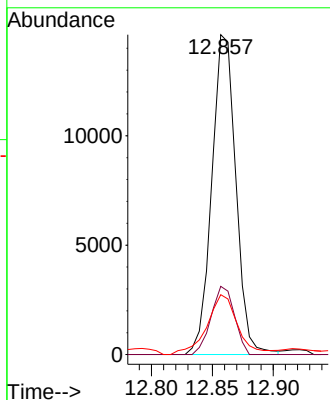
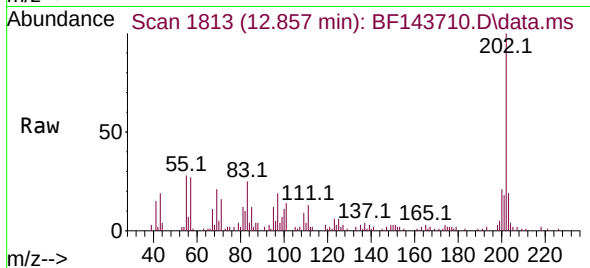
#78
Pyrene
Concen: 2.860 ng
RT: 12.857 min Scan# 1812
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tgt Ion:202 Resp: 20099
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 18.7 13.5 20.3

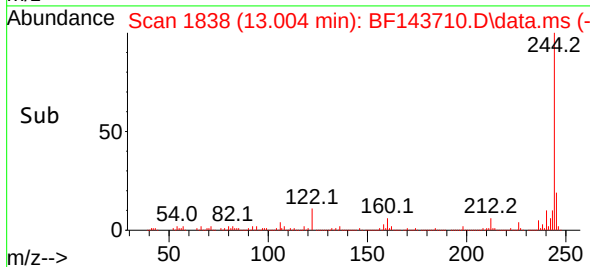
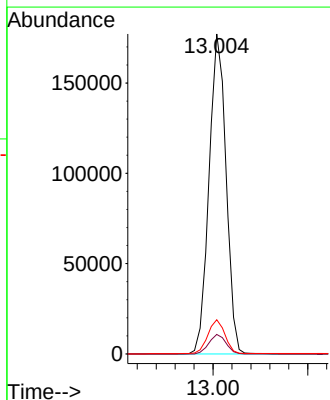
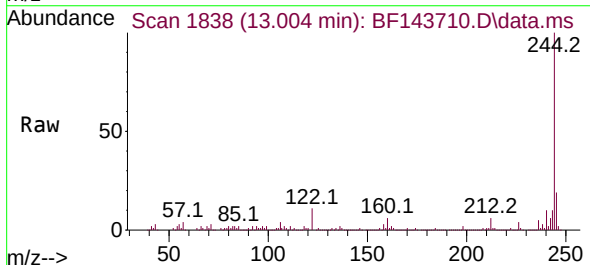
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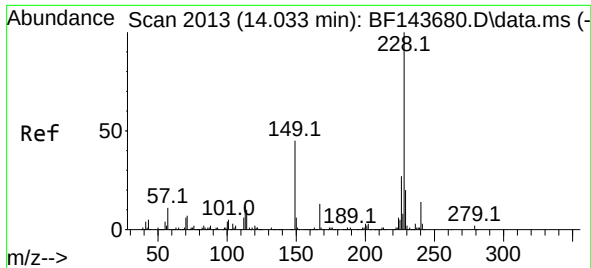
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#79
Terphenyl-d14
Concen: 40.886 ng
RT: 13.004 min Scan# 1838
Delta R.T. 0.012 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:244 Resp: 221780
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.6
122 10.7 7.9 11.9





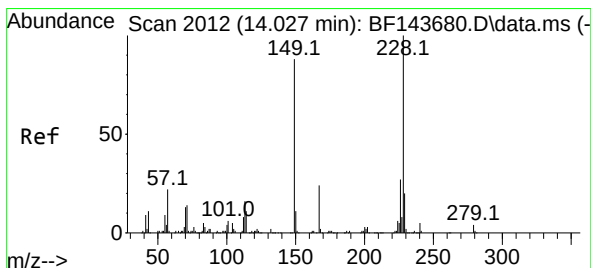
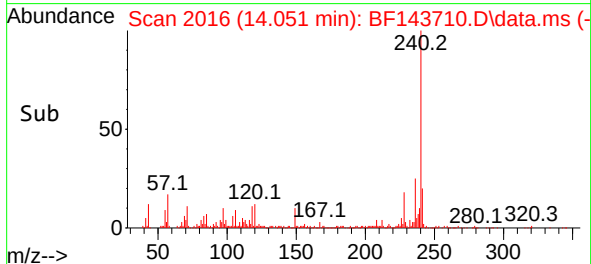
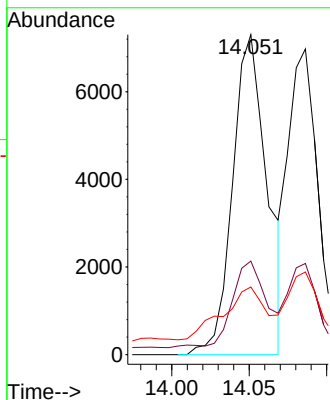
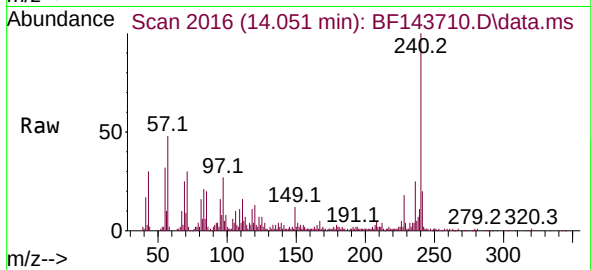
#81
Benzo(a)anthracene
Concen: 2.000 ng
RT: 14.051 min Scan# 2015
Delta R.T. 0.018 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tgt Ion:228 Resp: 1131
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 21.1 15.7 23.5

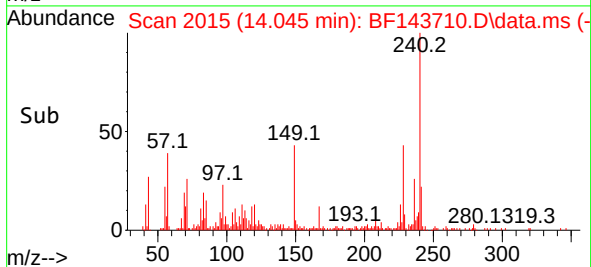
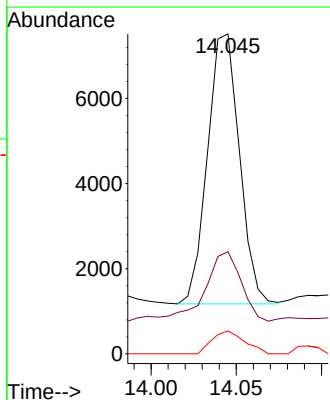
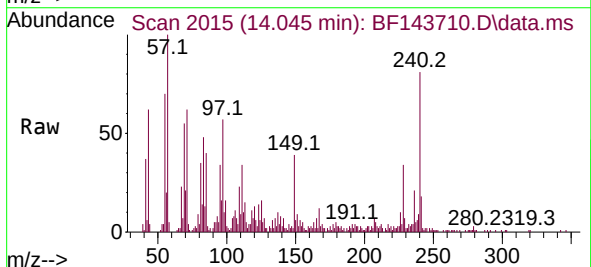
Manual Integrations
APPROVED

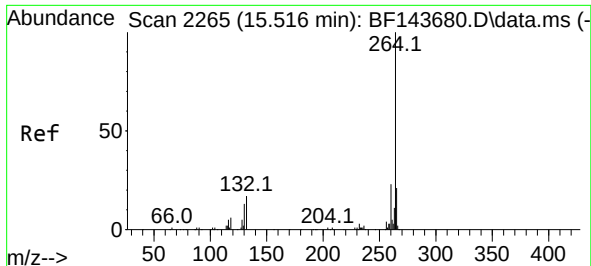
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.633 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.018 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:149 Resp: 8272
Ion Ratio Lower Upper
149 100
167 31.9 22.2 33.2
279 7.2 3.5 5.3#





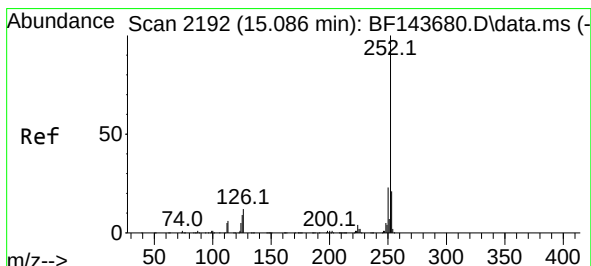
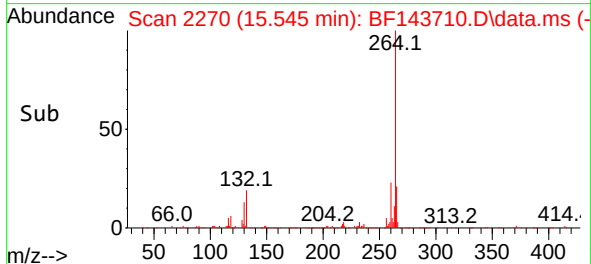
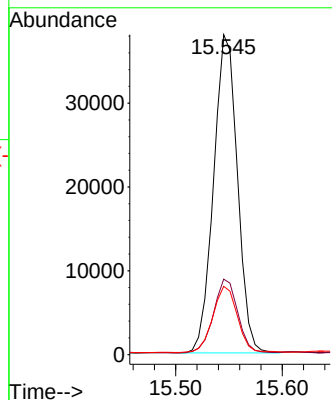
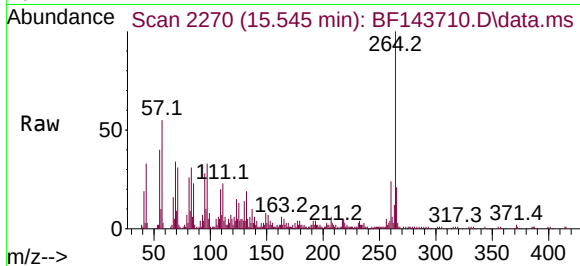
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 211
Delta R.T. 0.029 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tgt Ion:264 Resp: 59234
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.3 17.1 25.7

Manual Integrations
APPROVED

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



#88
Benzo(b)fluoranthene
Concen: 2.932 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.024 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:252 Resp: 10337
Ion Ratio Lower Upper
252 100
253 35.8 17.0 25.4#
125 108.3 7.4 11.0#

