

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142110.D
 Acq On : 26 Mar 2025 21:37
 Operator : RC/JU
 Sample : Q1630-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/27/2025
 Supervised By :Jagrut Upadhyay 03/27/2025

Quant Time: Mar 27 01:06:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	137431	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	546490	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	308685	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	549952	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	354769	20.000	ng	0.00
86) Perylene-d12	15.504	264	360083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	857490	104.133	ng	0.00
7) Phenol-d6	6.492	99	1073175	102.360	ng	-0.01
23) Nitrobenzene-d5	7.428	82	698415	71.921	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	452104	115.448	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1495752	73.692	ng	-0.01
79) Terphenyl-d14	12.980	244	1693811	70.587	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.175	128	72341	2.577	ng	99
37) 2-Methylnaphthalene	8.863	142	47559	2.535	ng	99
52) Acenaphthene	9.939	154	121335	6.655	ng	99
55) Dibenzofuran	10.110	168	208179	7.992	ng	97
58) Fluorene	10.451	166	214972	10.701	ng	100
71) Phenanthrene	11.422	178	1248527	42.031	ng	99
72) Anthracene	11.469	178	124405	4.174	ng	98
73) Carbazole	11.622	167	55017	2.141	ng	100
75) Fluoranthene	12.604	202	713848	22.655	ng	99
78) Pyrene	12.833	202	422448	13.766	ng	98
81) Benzo(a)anthracene	14.021	228	90739	3.898	ng	98
83) Chrysene	14.057	228	77451	3.670	ng	98
88) Benzo(b)fluoranthene	15.074	252	66298m	2.686	ng	

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

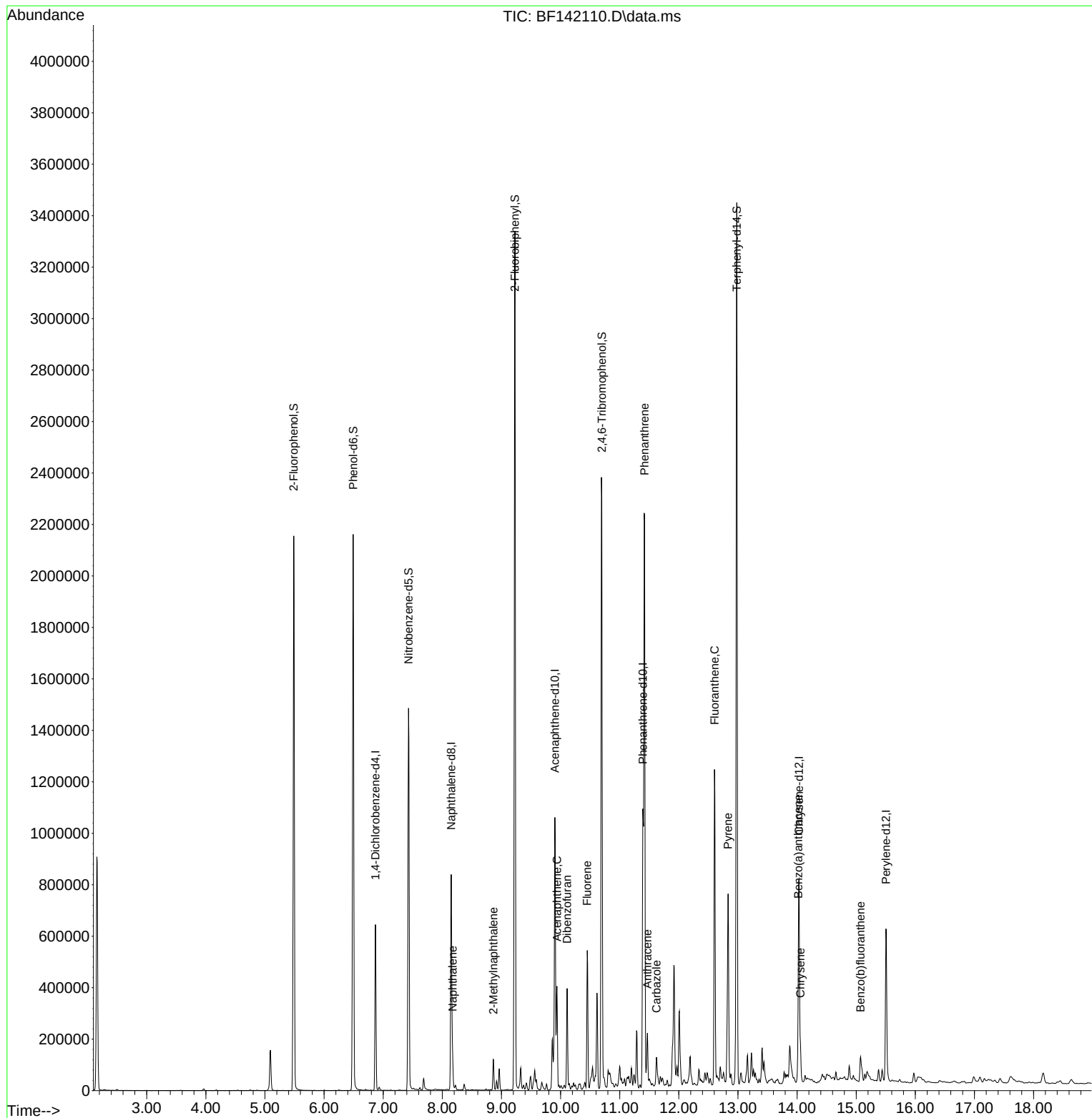
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142110.D
Acq On : 26 Mar 2025 21:37
Operator : RC/JU
Sample : Q1630-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

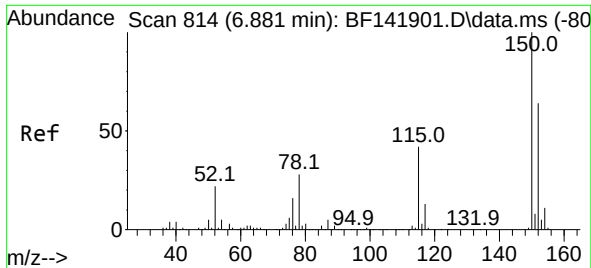
Instrument :
BNA_F
ClientSampleId :
VNJ-206

Quant Time: Mar 27 01:06:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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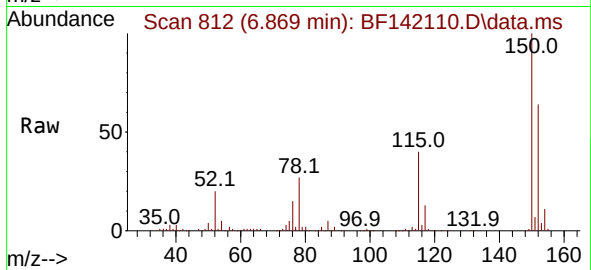
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

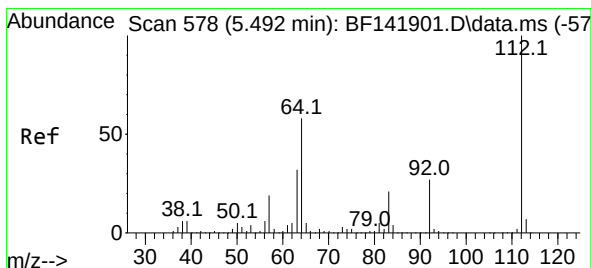
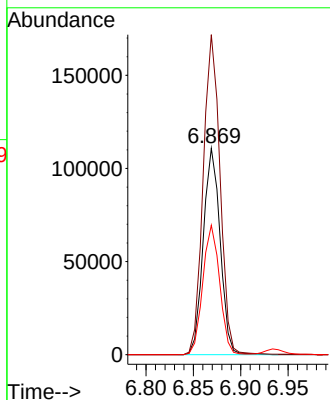
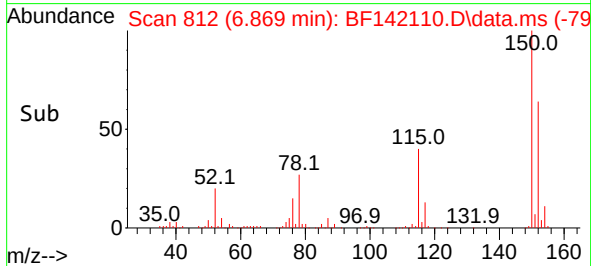
Instrument :
BNA_F
ClientSampleId :
VNJ-206



Tgt Ion:152 Resp: 13743
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.2
115 62.7 51.9 77.9

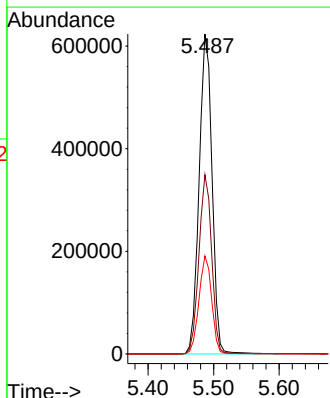
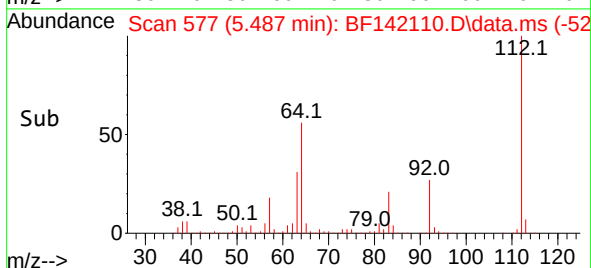
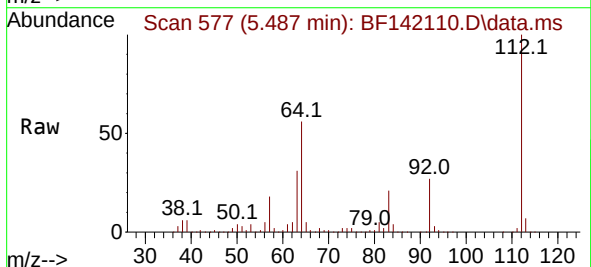
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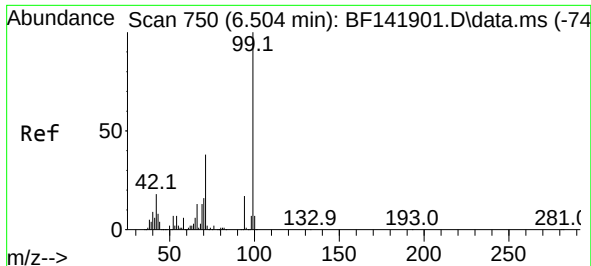
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025



#5
2-Fluorophenol
Concen: 104.133 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

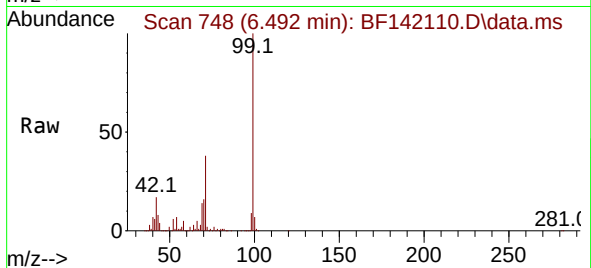
Tgt Ion:112 Resp: 857490
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 30.7 25.4 38.2





#7
Phenol-d6
Concen: 102.360 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

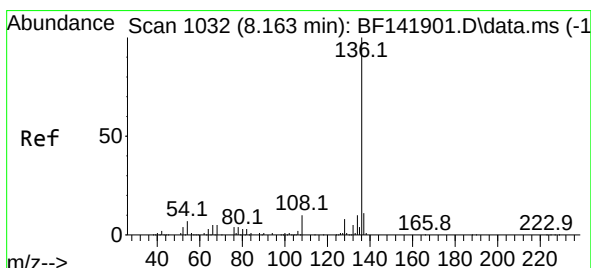
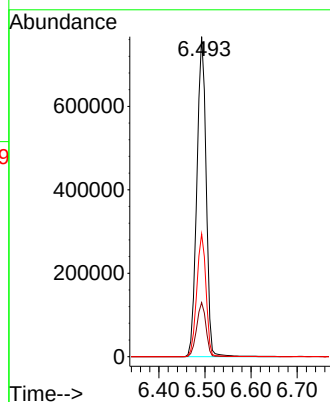
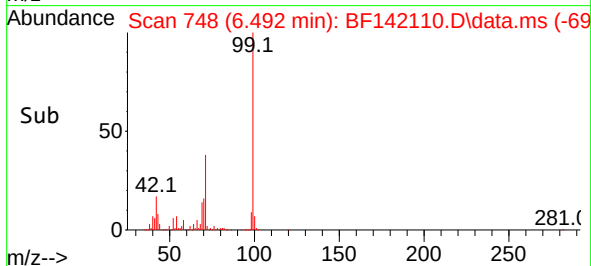
Instrument :
BNA_F
ClientSampleId :
VNJ-206



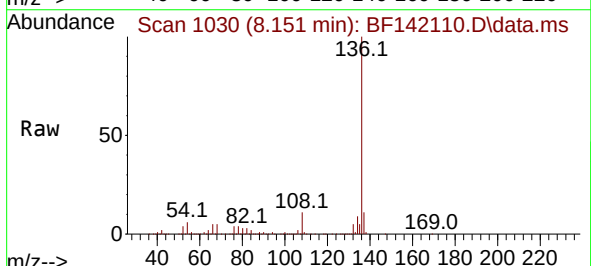
Tgt Ion: 99 Resp: 107317
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.4 30.8 46.2

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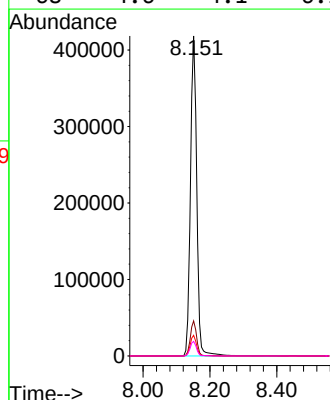
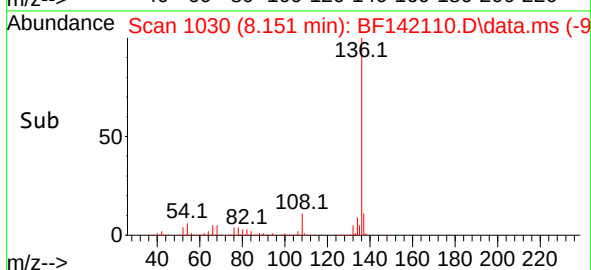
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025

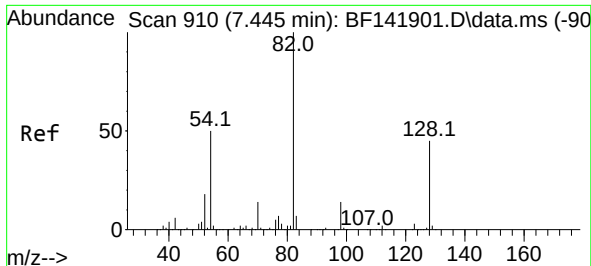


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37



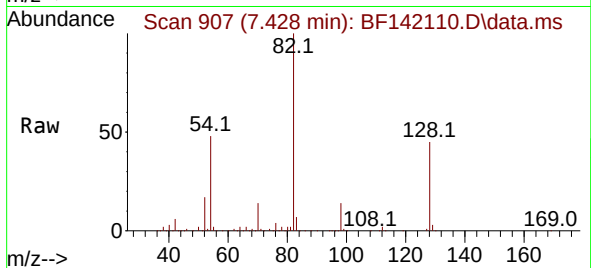
Tgt Ion:136 Resp: 546490
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.4 5.8 8.8
68 4.6 4.1 6.1





#23
Nitrobenzene-d5
Concen: 71.921 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.018 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

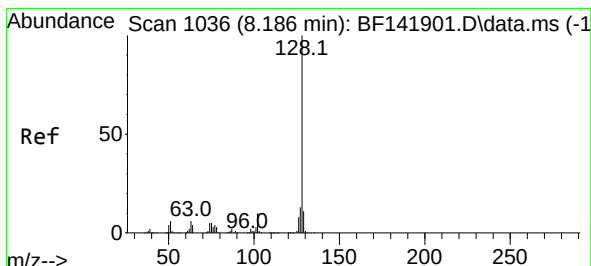
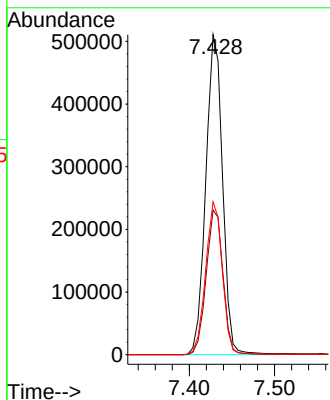
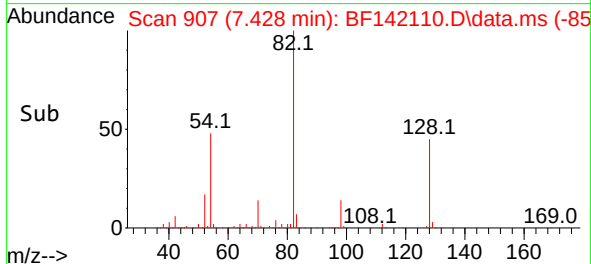
Instrument :
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ClientSampleId :
VNJ-206



Tgt Ion: 82 Resp: 69841
Ion Ratio Lower Upper
82 100
128 45.2 36.0 54.0
54 47.8 39.6 59.4

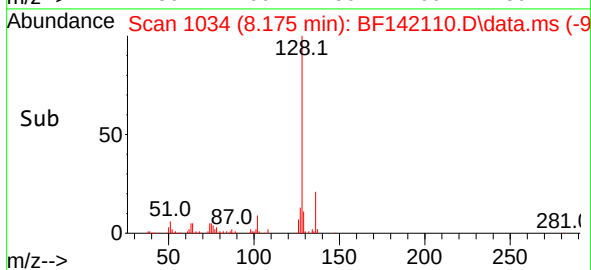
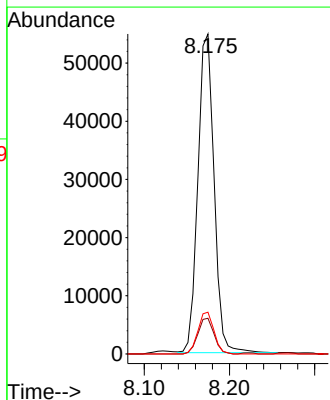
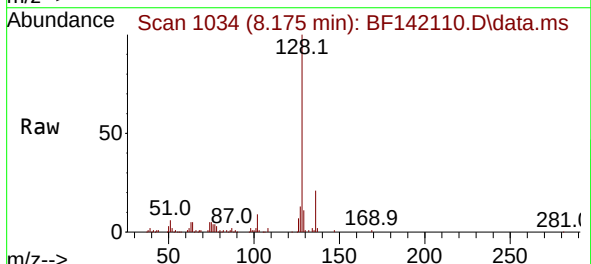
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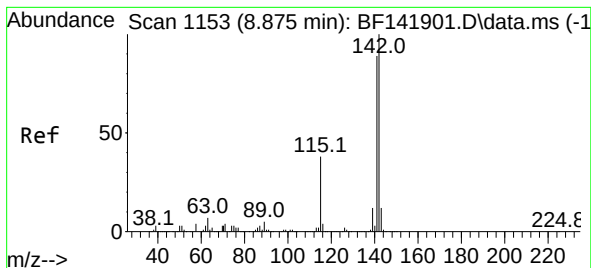
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025



#31
Naphthalene
Concen: 2.577 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:128 Resp: 72341
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.0 10.8 16.2





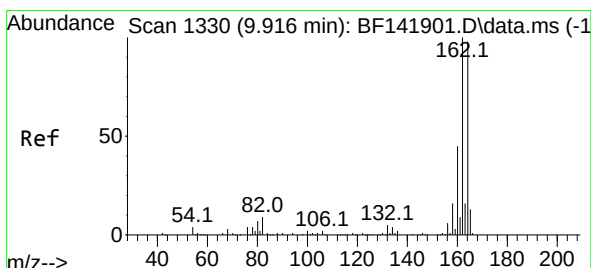
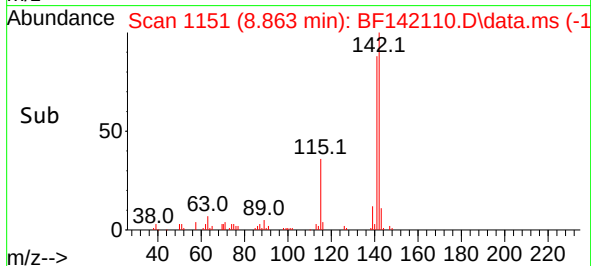
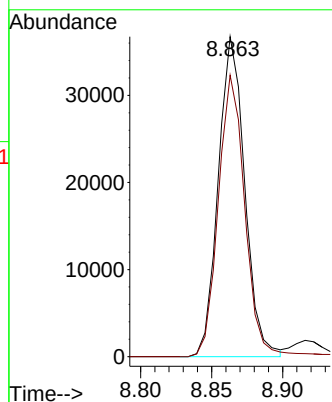
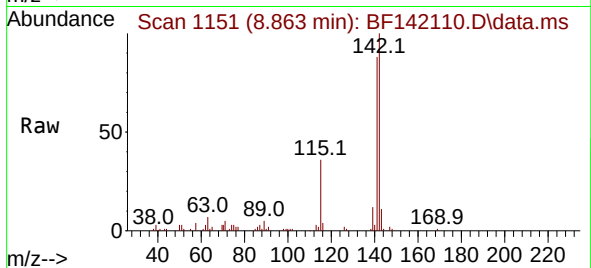
#37
2-Methylnaphthalene
Concen: 2.535 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Instrument :
BNA_F
ClientSampleId :
VNJ-206

Tgt Ion:142 Resp: 47559
Ion Ratio Lower Upper
142 100
141 88.0 71.2 106.8

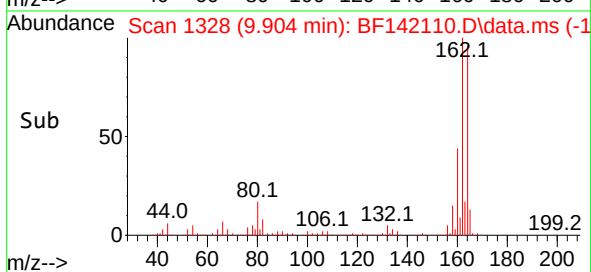
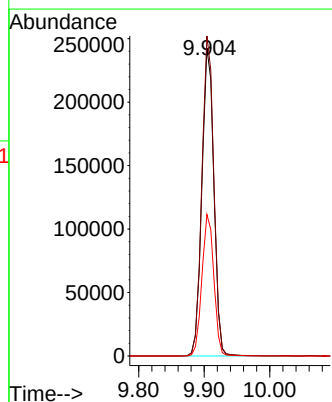
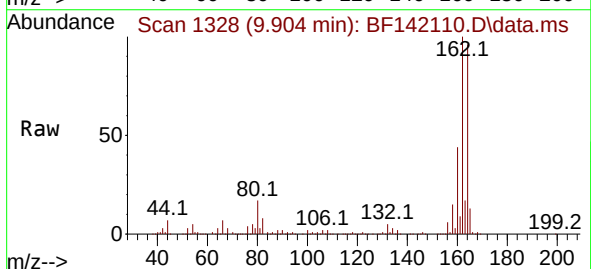
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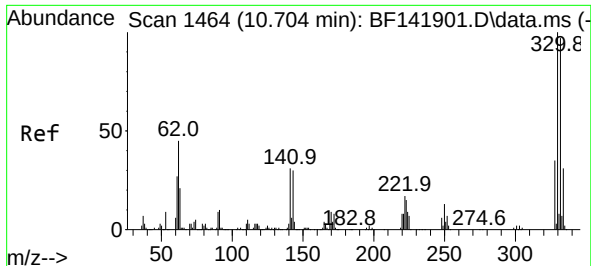
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:164 Resp: 308685
Ion Ratio Lower Upper
164 100
162 104.0 81.8 122.6
160 45.9 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 115.448 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Instrument :

BNA_F

ClientSampleId :

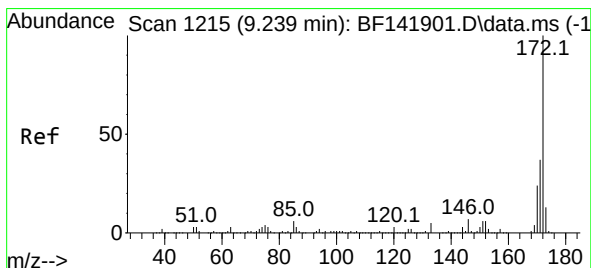
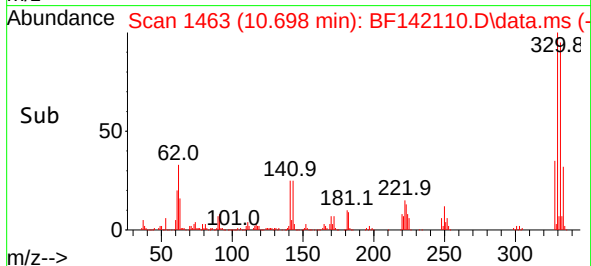
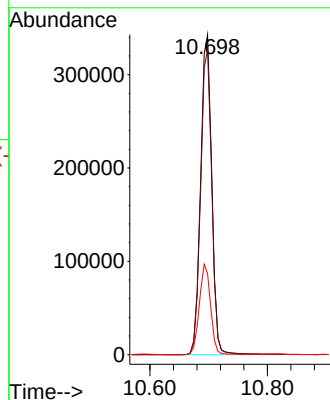
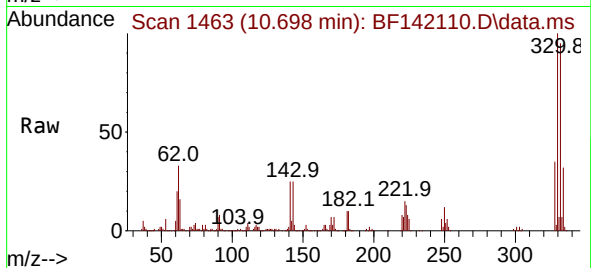
VNJ-206

Tgt Ion:330 Resp: 452104
Ion Ratio Lower Upper
330 100
332 95.6 77.6 116.4
141 28.6 24.7 37.1

Manual Integrations

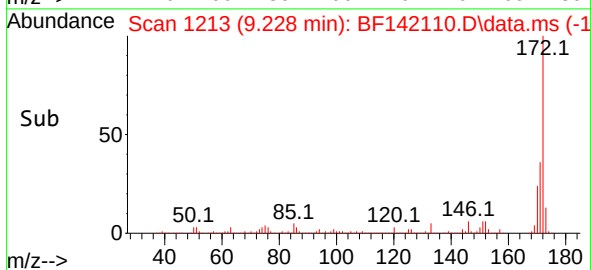
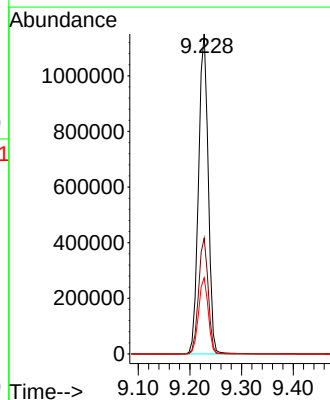
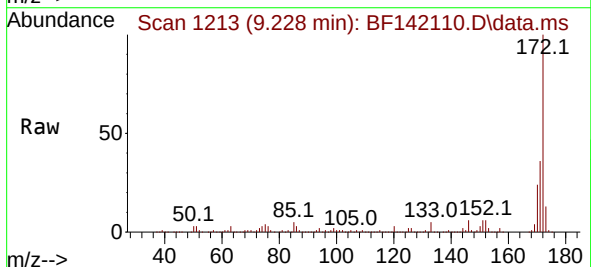
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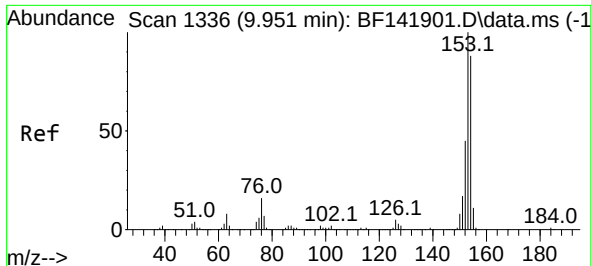
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025



#45
2-Fluorobiphenyl
Concen: 73.692 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

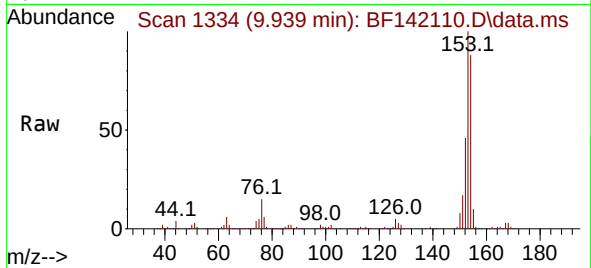
Tgt Ion:172 Resp: 1495752
Ion Ratio Lower Upper
172 100
171 36.2 29.3 43.9
170 23.8 19.4 29.0





#52
Acenaphthene
Concen: 6.655 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

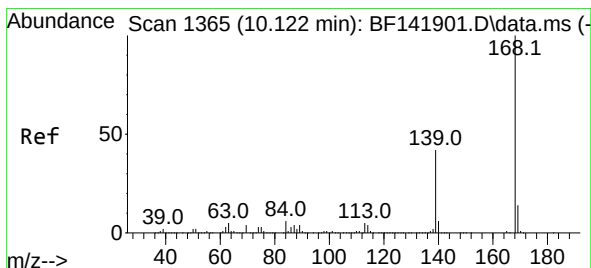
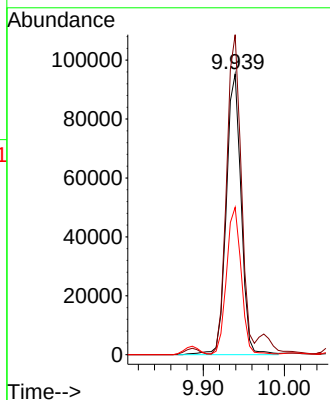
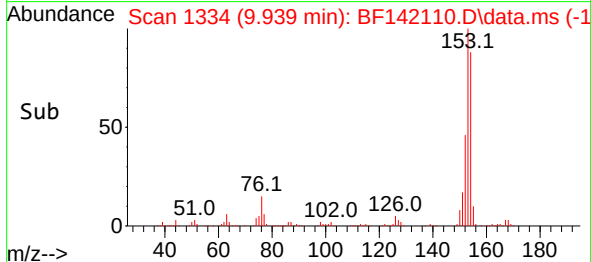
Instrument :
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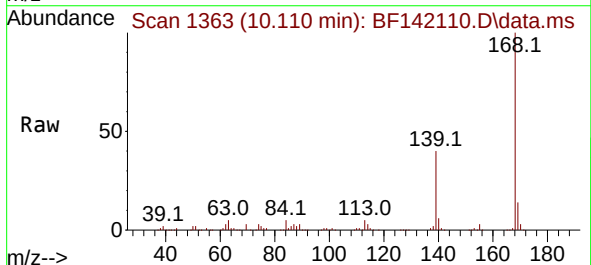
Tgt Ion:154 Resp: 121338
Ion Ratio Lower Upper
154 100
153 114.0 90.7 136.1
152 52.5 41.1 61.7

Manual Integrations
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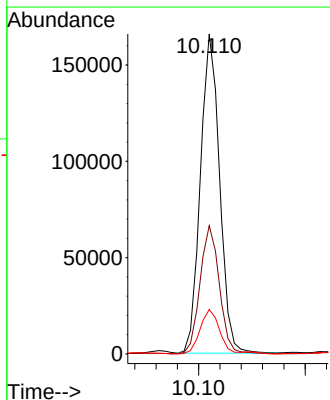
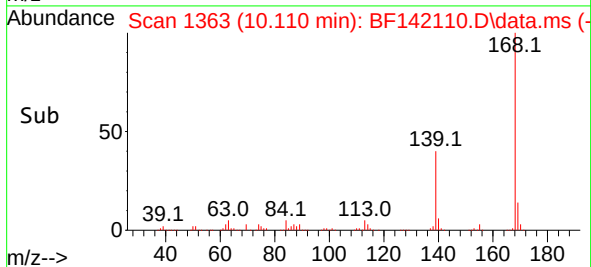
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025

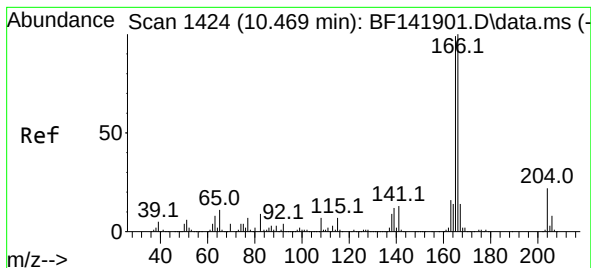


#55
Dibenzofuran
Concen: 7.992 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37



Tgt Ion:168 Resp: 208179
Ion Ratio Lower Upper
168 100
139 40.1 33.9 50.9
169 13.9 11.0 16.4





#58

Fluorene

Concen: 10.701 ng

RT: 10.451 min Scan# 1421

Delta R.T. -0.018 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Instrument :

BNA_F

ClientSampleId :

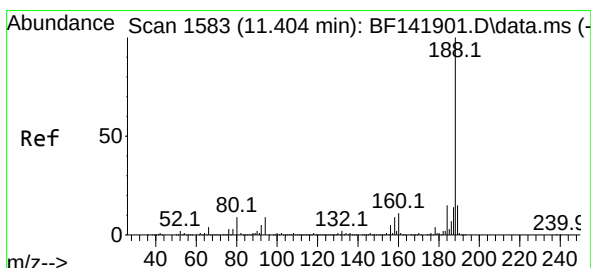
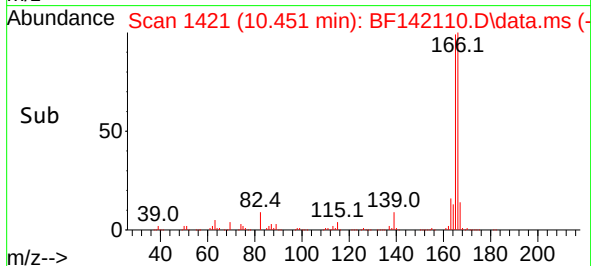
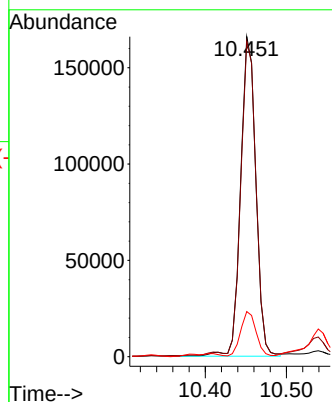
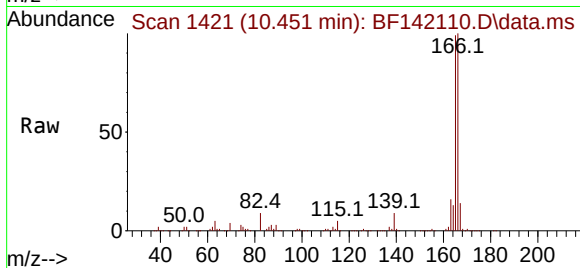
VNJ-206

Tgt Ion:166 Resp: 214972
 Ion Ratio Lower Upper
 166 100
 165 98.5 79.0 118.4
 167 14.1 11.0 16.4

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

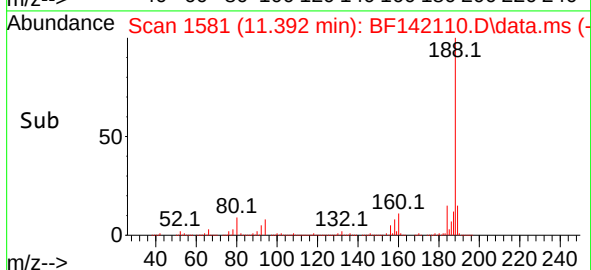
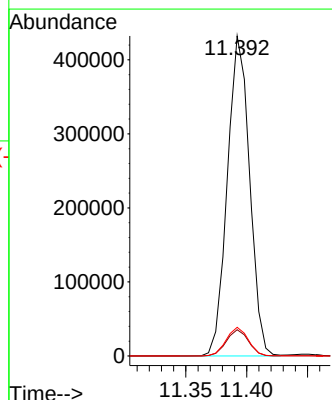
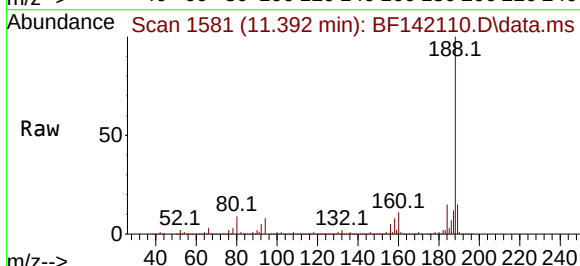
RT: 11.392 min Scan# 1581

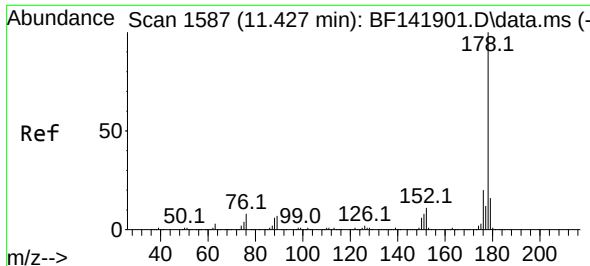
Delta R.T. -0.012 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

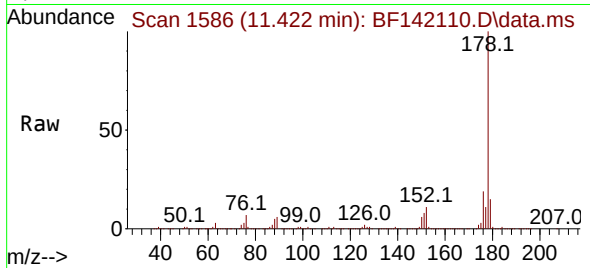
Tgt Ion:188 Resp: 549952
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.8 10.2
 80 9.0 7.6 11.4





#71
Phenanthrene
Concen: 42.031 ng
RT: 11.422 min Scan# 11422
Delta R.T. -0.006 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

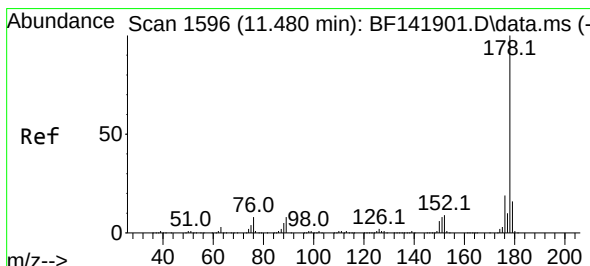
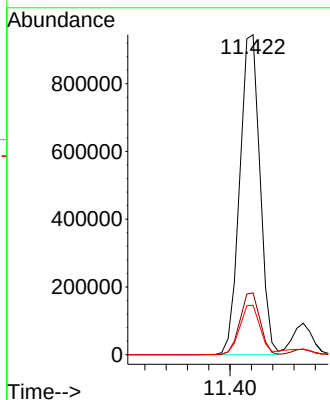
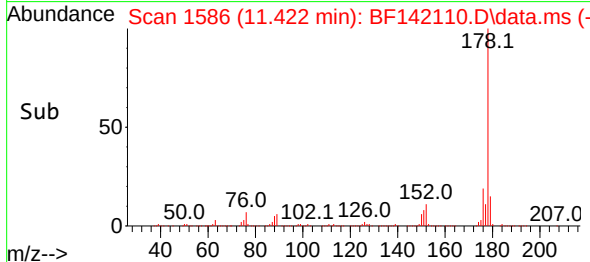
Instrument :
BNA_F
ClientSampleId :
VNJ-206



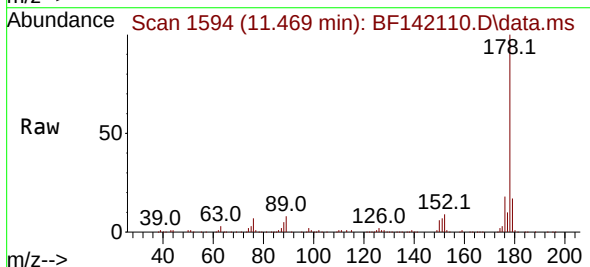
Tgt Ion:178 Resp: 124852
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 12.6 19.0

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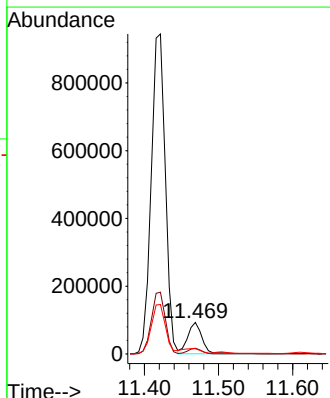
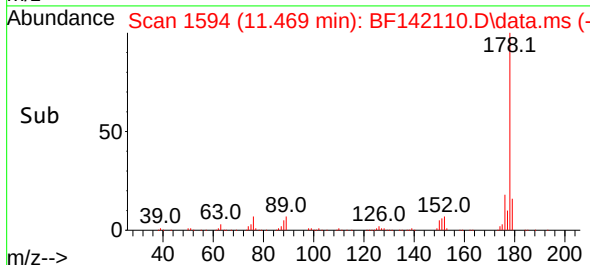
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025

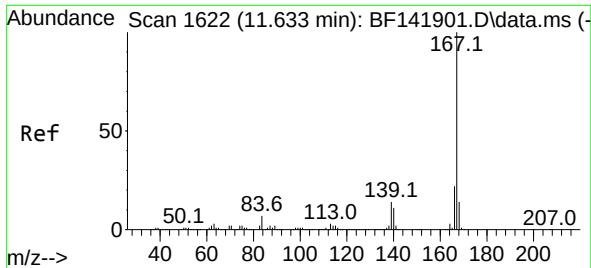


#72
Anthracene
Concen: 4.174 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37



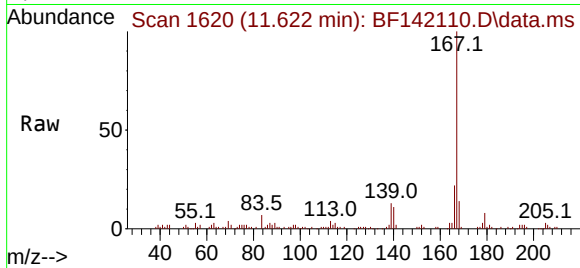
Tgt Ion:178 Resp: 124405
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 16.6 12.6 19.0





#73
 Carbazole
 Concen: 2.141 ng
 RT: 11.622 min Scan# 1622
 Delta R.T. -0.012 min
 Lab File: BF142110.D
 Acq: 26 Mar 2025 21:37

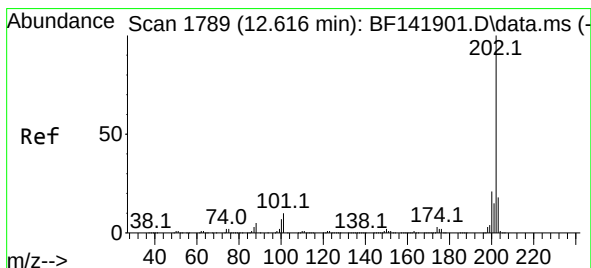
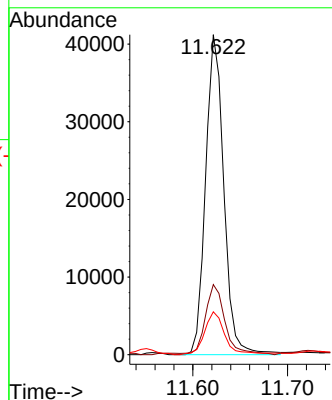
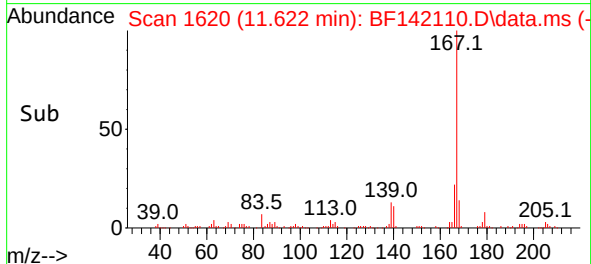
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206



Tgt Ion:167 Resp: 5501
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.4 11.0 16.6

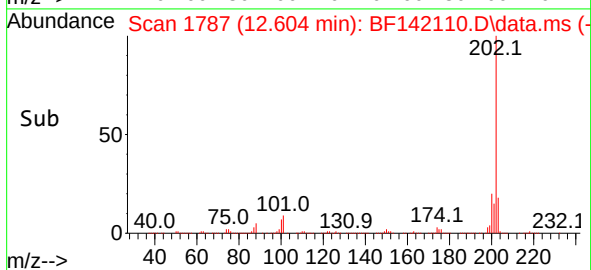
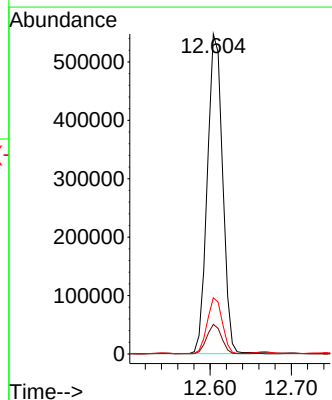
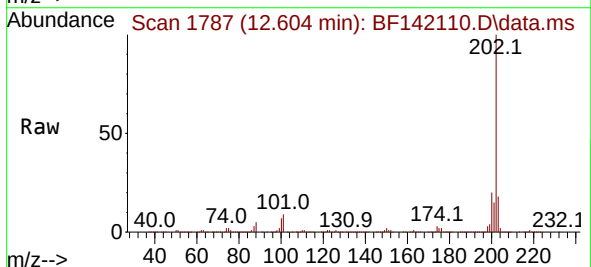
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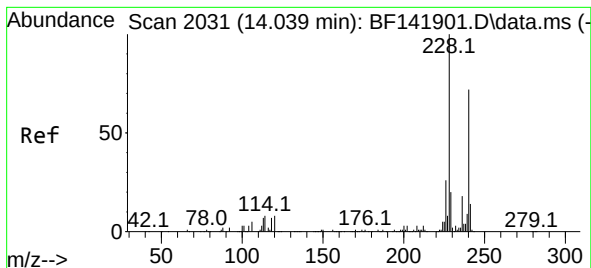
Reviewed By :Anahy Claudio 03/27/2025
 Supervised By :Jagrut Upadhyay 03/27/2025



#75
 Fluoranthene
 Concen: 22.655 ng
 RT: 12.604 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BF142110.D
 Acq: 26 Mar 2025 21:37

Tgt Ion:202 Resp: 713848
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 29.7
 203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Instrument :

BNA_F

ClientSampleId :

VNJ-206

Tgt Ion:240 Resp: 354769

Ion Ratio Lower Upper

240 100

120 8.8 8.4 12.6

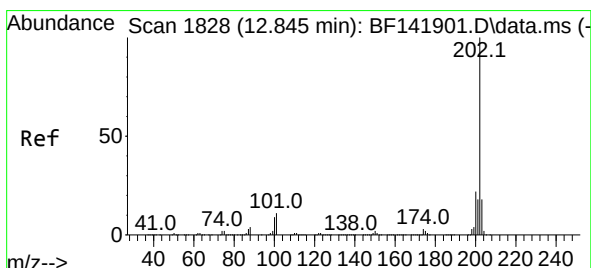
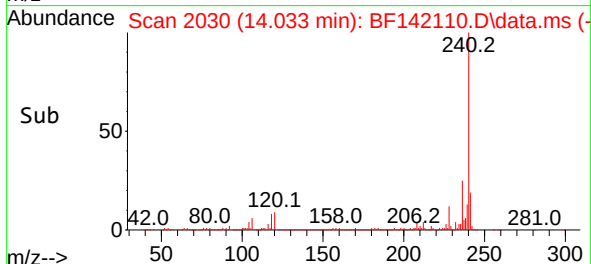
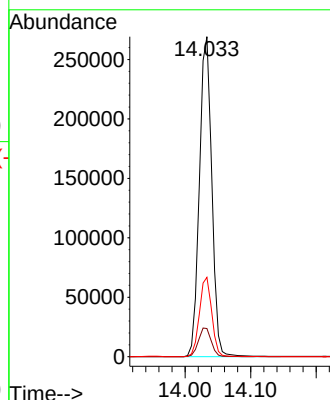
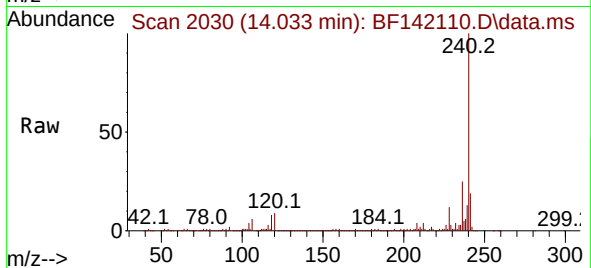
236 24.8 20.5 30.7

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Reviewed By :Anahy Claudio 03/27/2025

Supervised By :Jagrut Upadhyay 03/27/2025



#78

Pyrene

Concen: 13.766 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

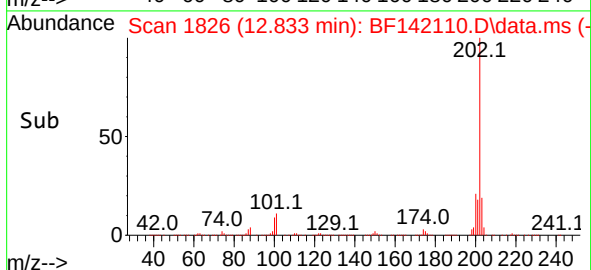
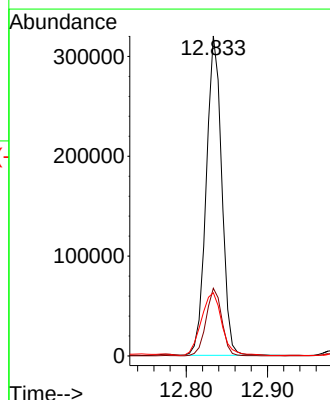
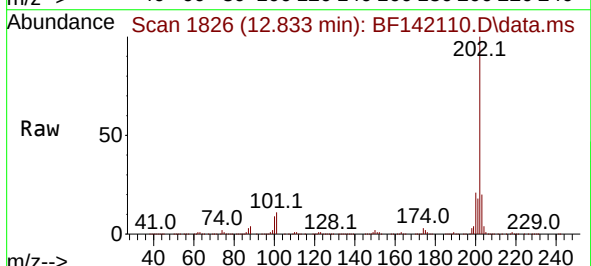
Tgt Ion:202 Resp: 422448

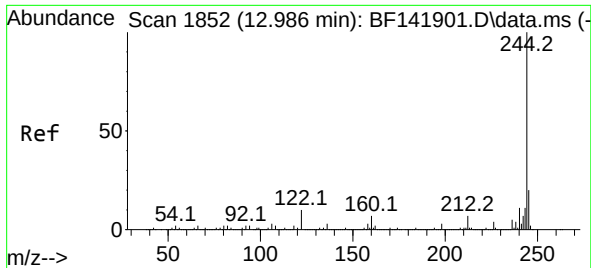
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

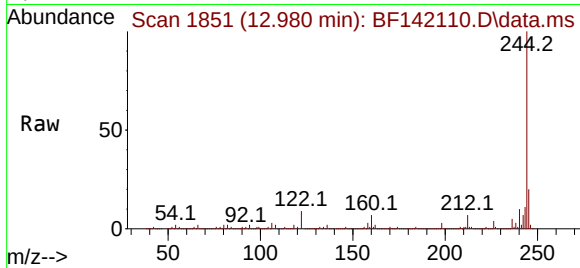
203 19.8 14.4 21.6





#79
 Terphenyl-d14
 Concen: 70.587 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF142110.D
 Acq: 26 Mar 2025 21:37

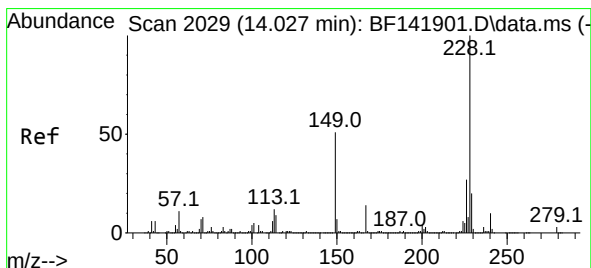
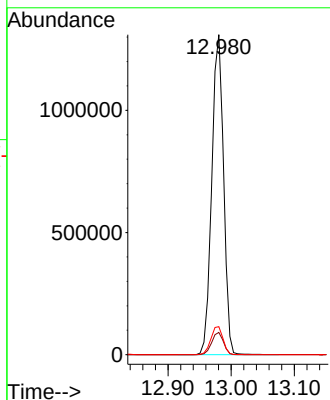
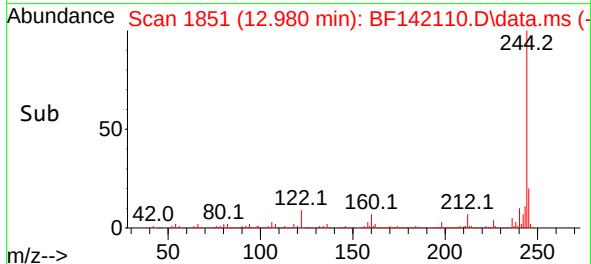
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206



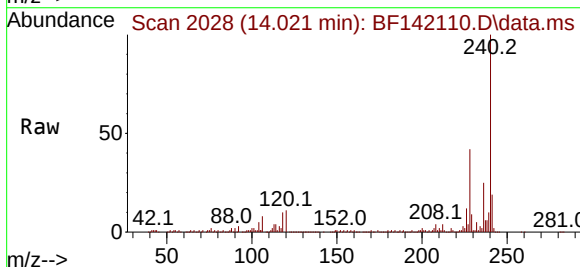
Tgt Ion:244 Resp: 169381
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.7 7.7 11.5

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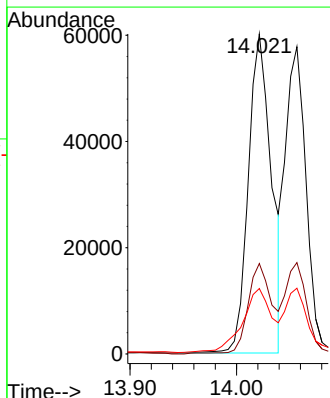
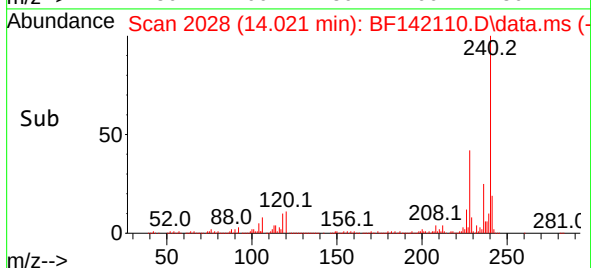
Reviewed By :Anahy Claudio 03/27/2025
 Supervised By :Jagrut Upadhyay 03/27/2025

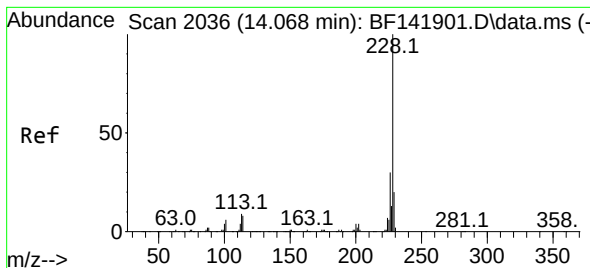


#81
 Benzo(a)anthracene
 Concen: 3.898 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF142110.D
 Acq: 26 Mar 2025 21:37



Tgt Ion:228 Resp: 90739
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.8
 229 20.5 16.0 24.0





#83

Chrysene

Concen: 3.670 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Instrument :

BNA_F

ClientSampleId :

VNJ-206

Tgt Ion: 228 Resp: 7745

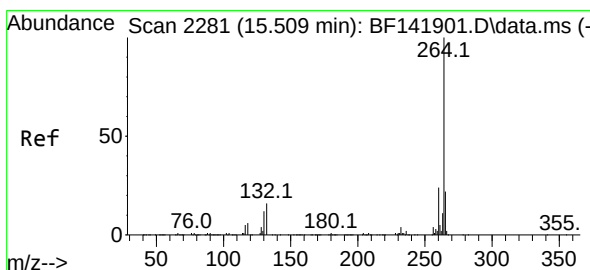
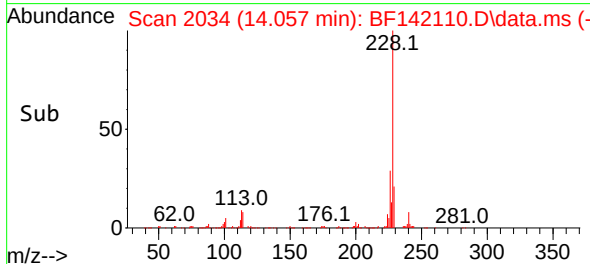
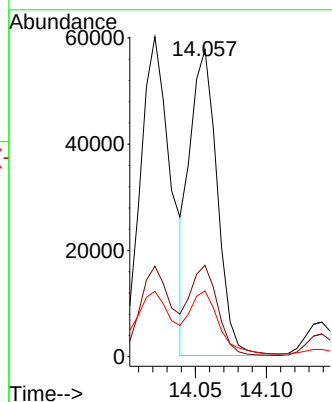
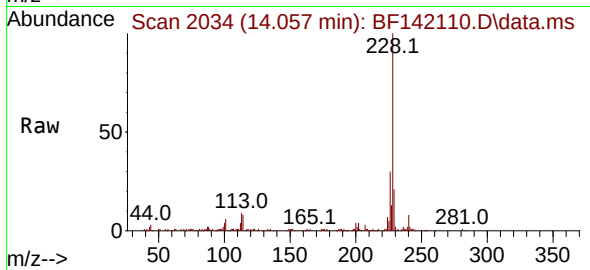
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.1	36.1
229	21.4	15.7	23.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/27/2025

Supervised By :Jagrut Upadhyay 03/27/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

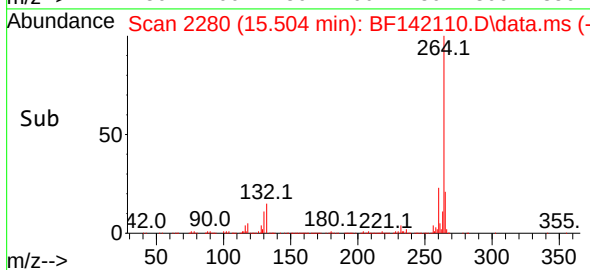
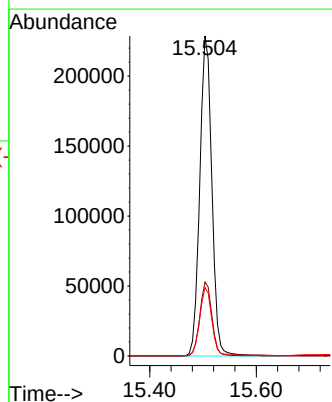
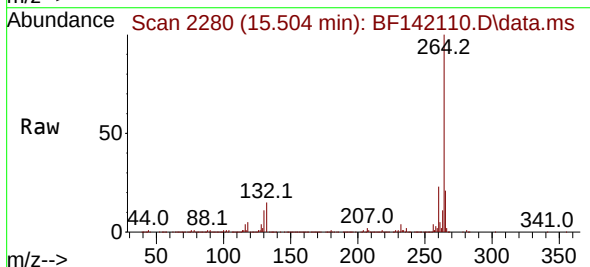
Delta R.T. -0.006 min

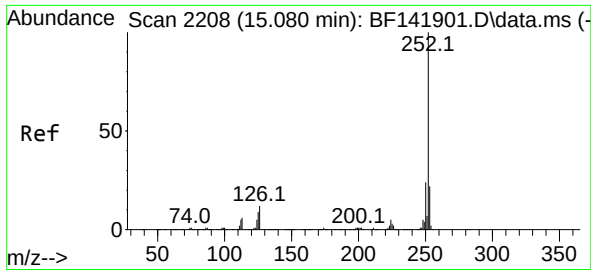
Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Tgt Ion: 264 Resp: 360083

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.4	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 2.686 ng m

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142110.D

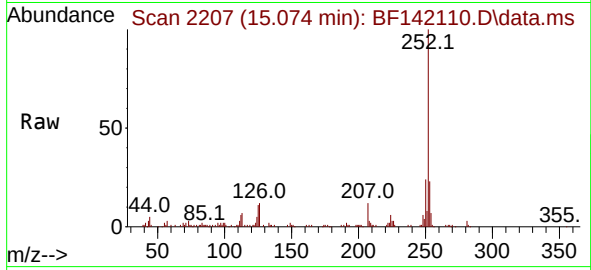
Acq: 26 Mar 2025 21:37

Instrument :

BNA_F

ClientSampleId :

VNJ-206



Tgt Ion:252 Resp: 66298

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.6 7.0 10.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/27/2025

Supervised By :Jagrut Upadhyay 03/27/2025

