

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141546.D
 Acq On : 10 Feb 2025 20:19
 Operator : RC/JU
 Sample : Q1241-03DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-3.5-013025DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025

Quant Time: Feb 11 00:09:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	76076	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	302314	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	158827	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	223216	20.000	ng	0.00
76) Chrysene-d12	13.951	240	183040	20.000	ng	-0.01
86) Perylene-d12	15.404	264	164548	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	98059	20.208	ng	0.00
7) Phenol-d6	6.422	99	123171	20.082	ng	-0.02
23) Nitrobenzene-d5	7.345	82	78731	13.583	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	25174	15.778	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	133807	12.979	ng	-0.01
79) Terphenyl-d14	12.892	244	96439	8.895	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.087	128	31997	2.033	ng	99
52) Acenaphthene	9.851	154	19368	2.127	ng	97
58) Fluorene	10.369	166	29838	2.887	ng	96
71) Phenanthrene	11.333	178	330203	26.874	ng	99
72) Anthracene	11.381	178	87525	7.086	ng	98
75) Fluoranthene	12.522	202	397571	30.520	ng	99
78) Pyrene	12.751	202	370301	23.765	ng	99
81) Benzo(a)anthracene	13.939	228	218530	17.960	ng	97
83) Chrysene	13.974	228	177676	15.815	ng	97
87) Indeno(1,2,3-cd)pyrene	16.833	276	64598	6.354	ng	96
88) Benzo(b)fluoranthene	14.986	252	198364m	17.954	ng	
89) Benzo(k)fluoranthene	14.998	252	86035m	9.119	ng	
90) Benzo(a)pyrene	15.339	252	144649	16.180	ng	# 95
91) Dibenzo(a,h)anthracene	16.845	278	18360	2.229	ng	# 84
92) Benzo(g,h,i)perylene	17.268	276	59314	6.880	ng	98

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

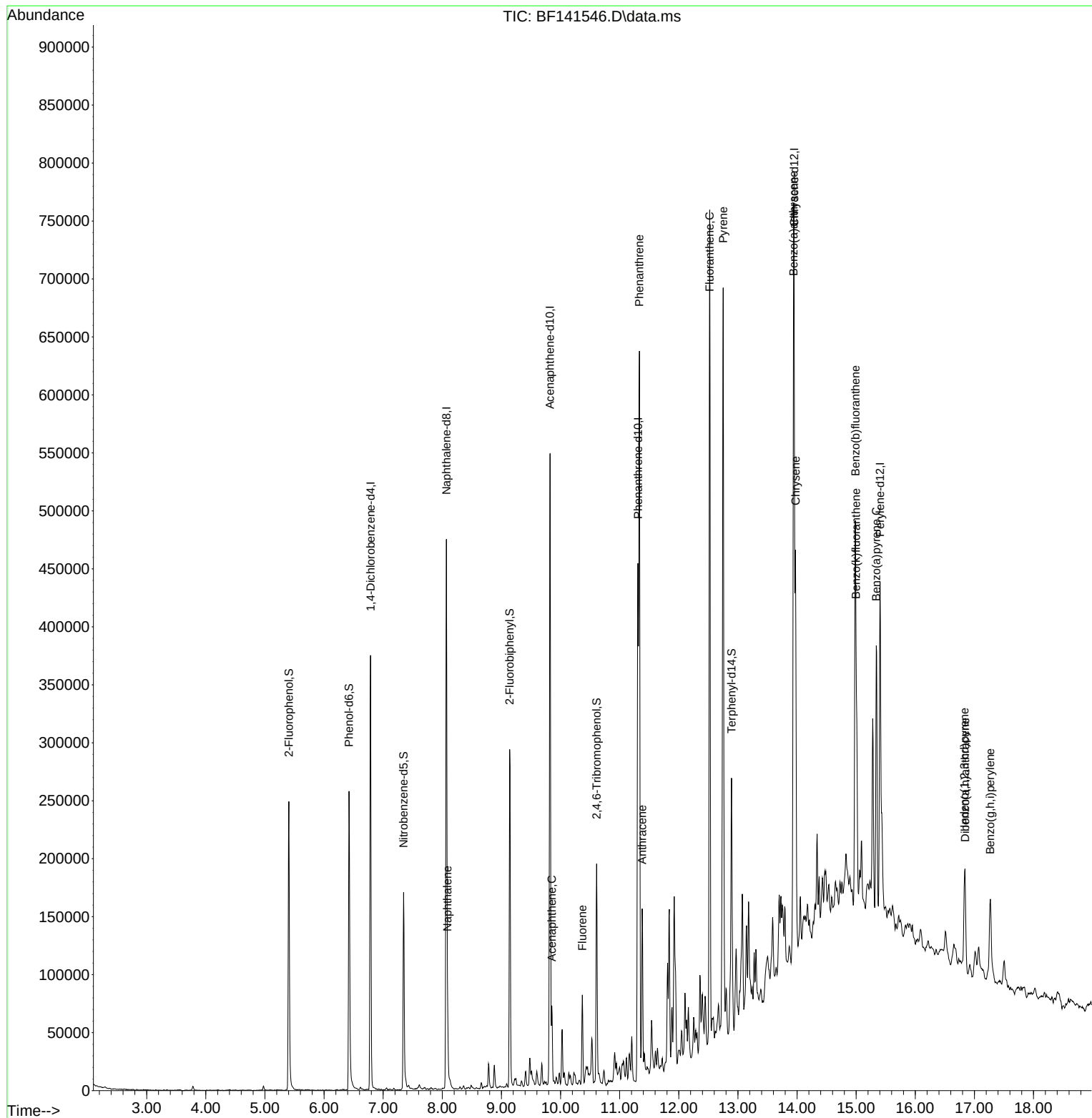
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141546.D
Acq On : 10 Feb 2025 20:19
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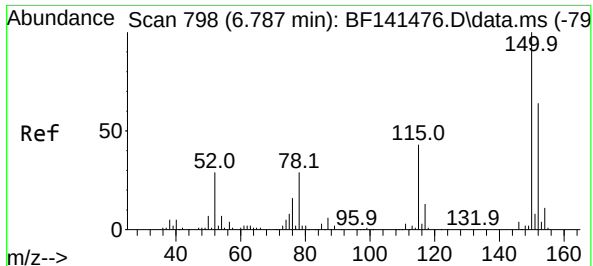
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Quant Time: Feb 11 00:09:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

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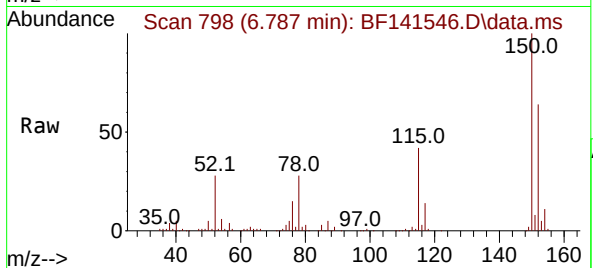
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

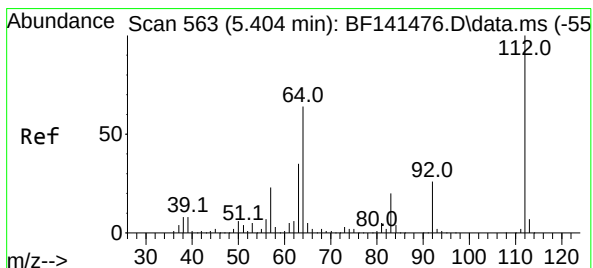
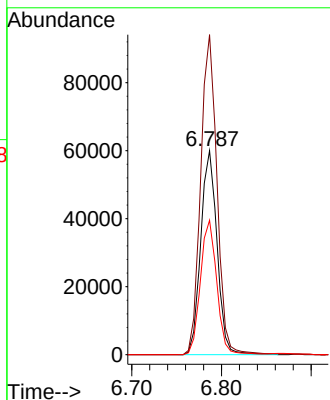
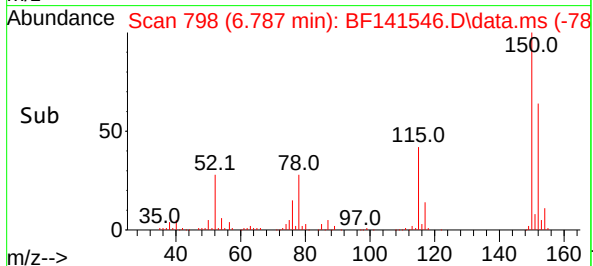
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL



Tgt Ion:152 Resp: 76070
Ion Ratio Lower Upper
152 100
150 156.9 125.0 187.4
115 65.8 53.6 80.4

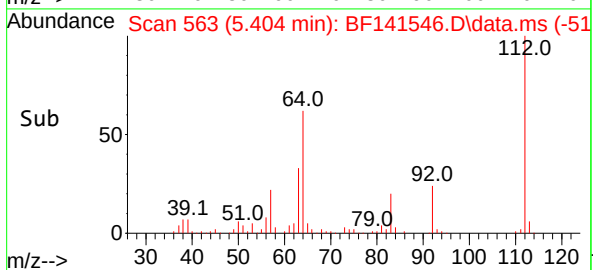
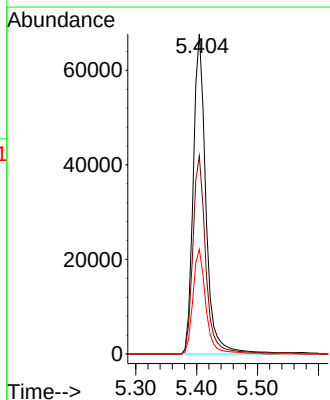
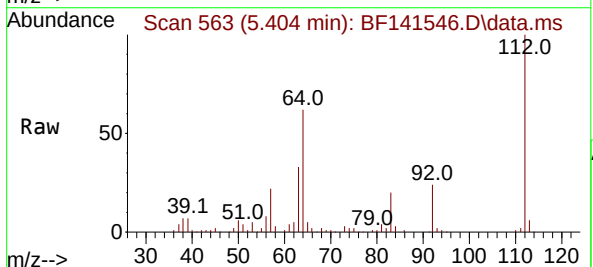
Manual Integrations
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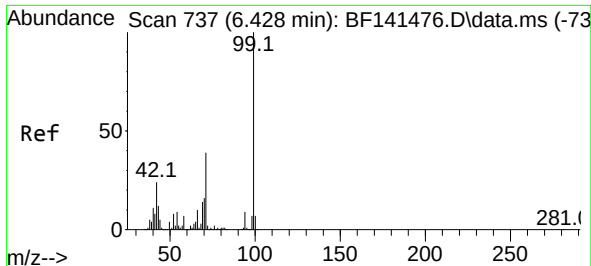
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#5
2-Fluorophenol
Concen: 20.208 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

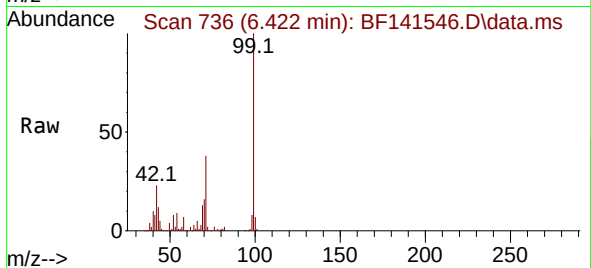
Tgt Ion:112 Resp: 98059
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 32.7 28.4 42.6





#7
Phenol-d6
Concen: 20.082 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

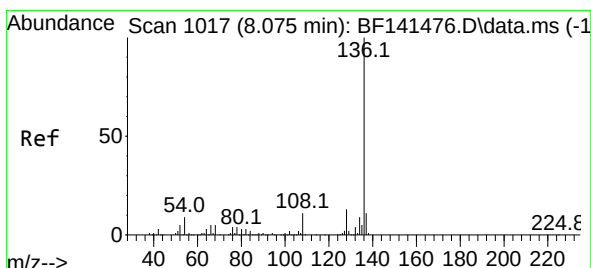
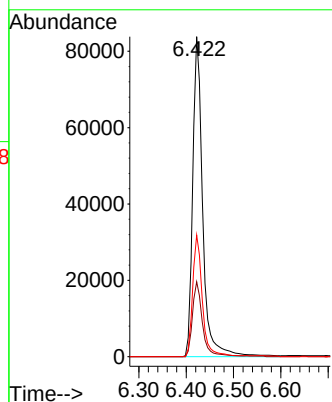
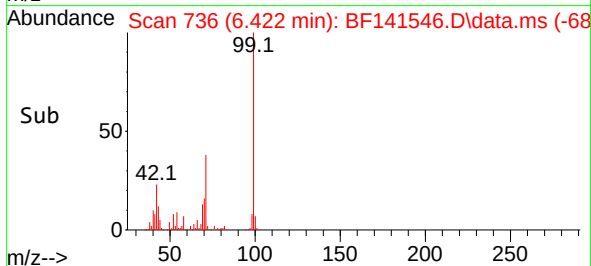
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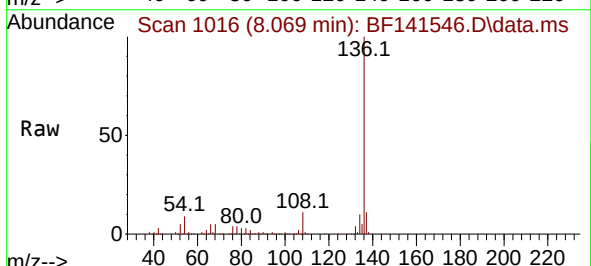
Tgt Ion: 99 Resp: 12317
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 38.0 31.1 46.7

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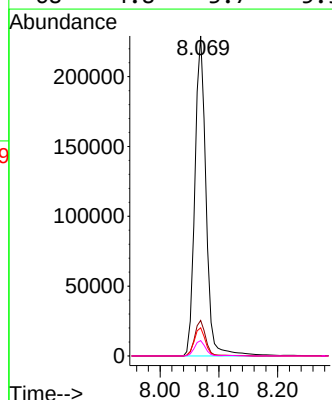
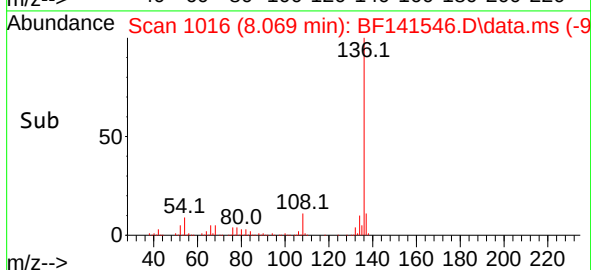
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

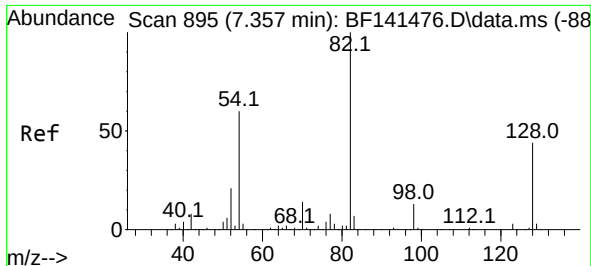


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19



Tgt Ion:136 Resp: 302314
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.8 7.2 10.8
68 4.8 3.7 5.5





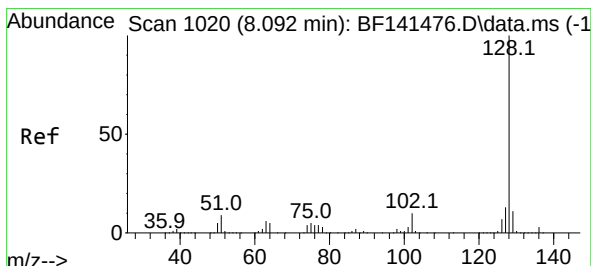
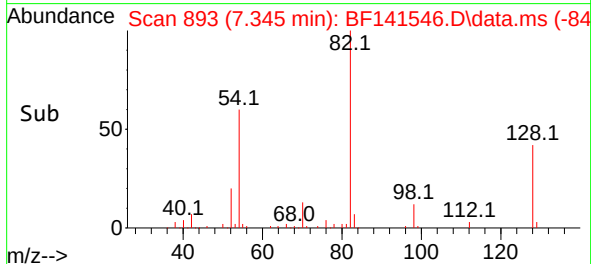
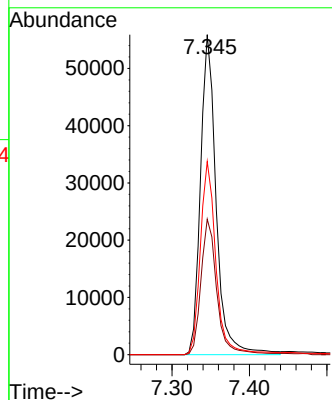
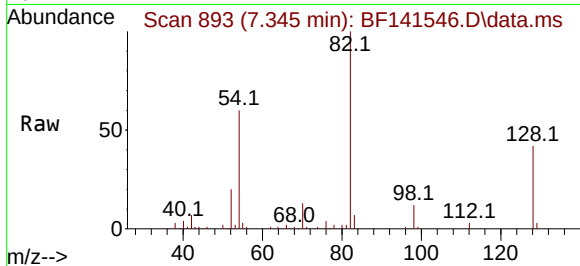
#23
Nitrobenzene-d5
Concen: 13.583 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Instrument :
BNA_F
Client SampleId :
JPP-3.5-013025DL

Tgt Ion: 82 Resp: 7873
Ion Ratio Lower Upper
82 100
128 42.4 34.8 52.2
54 60.3 48.2 72.4

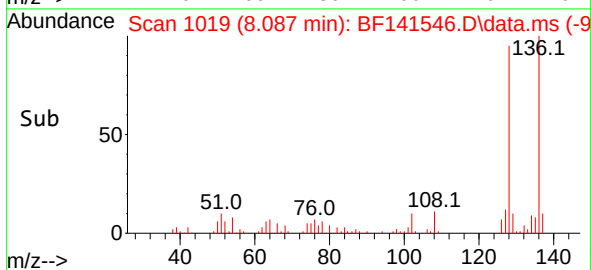
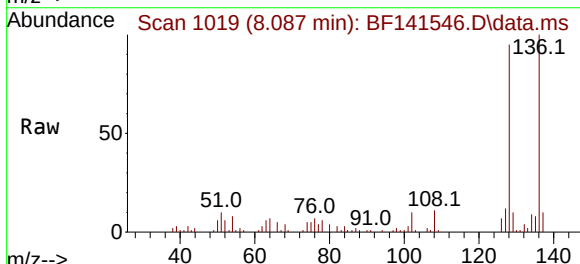
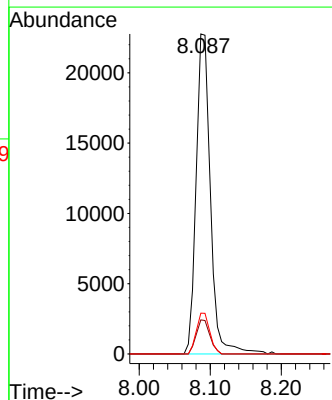
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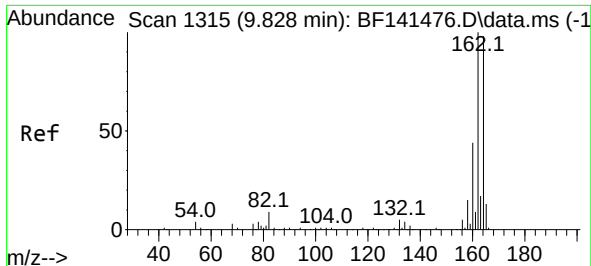
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#31
Naphthalene
Concen: 2.033 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

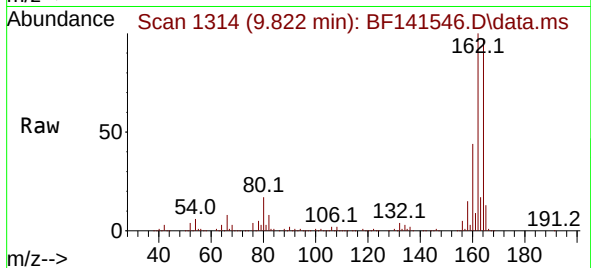
Tgt Ion:128 Resp: 31997
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.7 10.7 16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

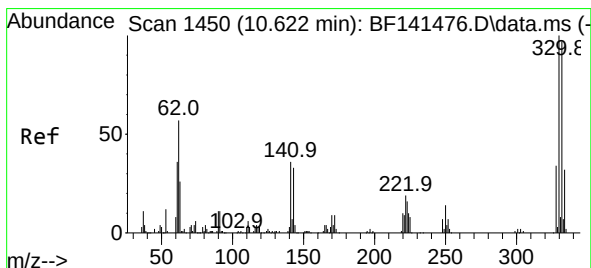
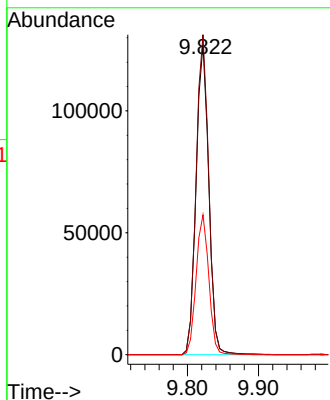
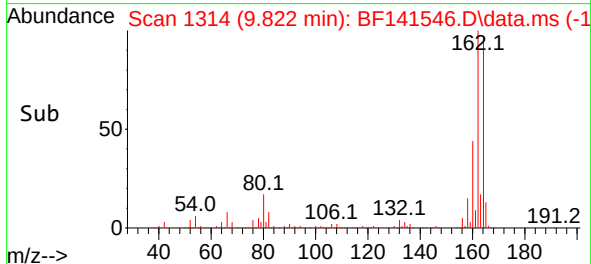
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL



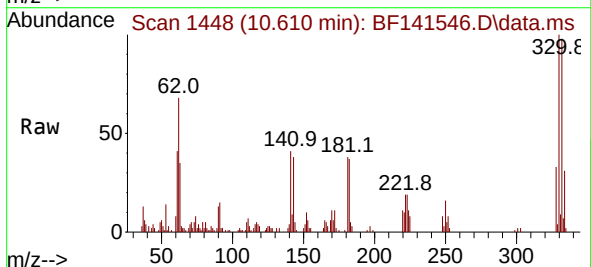
Tgt Ion:164 Resp: 15882
Ion Ratio Lower Upper
164 100
162 103.2 81.3 121.9
160 45.1 35.9 53.9

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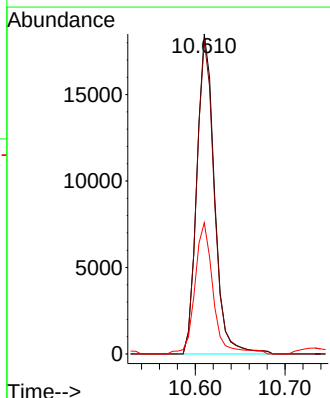
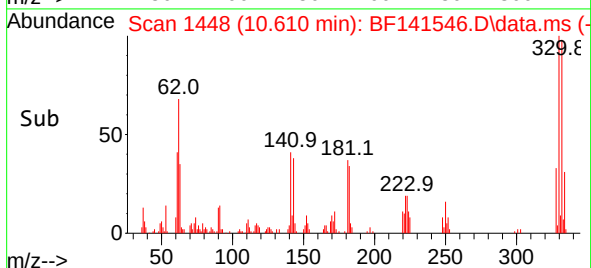
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

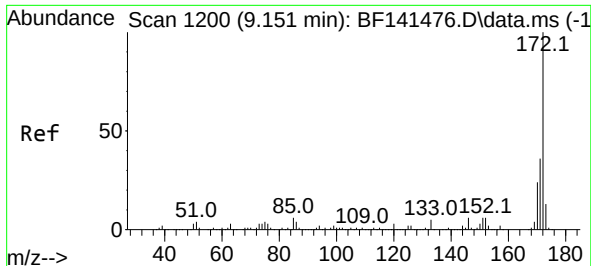


#42
2,4,6-Tribromophenol
Concen: 15.778 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19



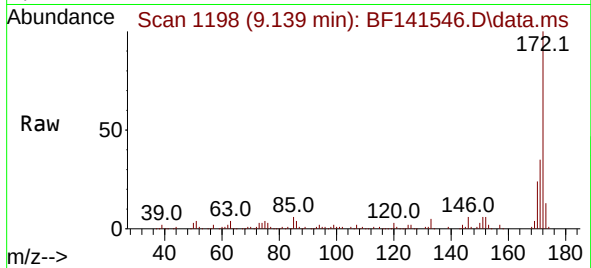
Tgt Ion:330 Resp: 25174
Ion Ratio Lower Upper
330 100
332 97.8 78.5 117.7
141 42.5 31.0 46.4





#45
2-Fluorobiphenyl
Concen: 12.979 ng
RT: 9.139 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

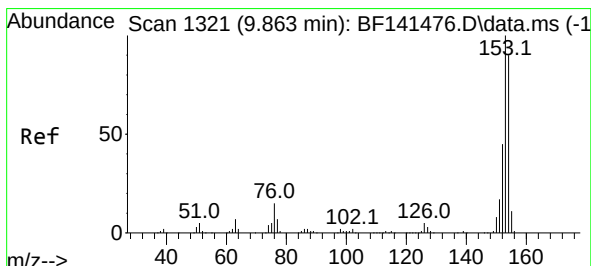
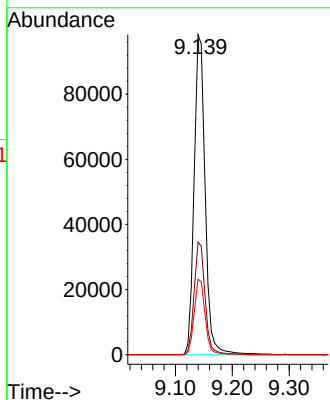
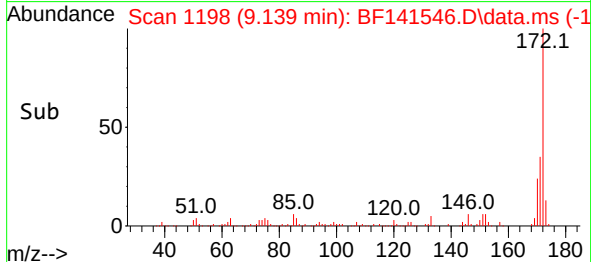
Instrument :
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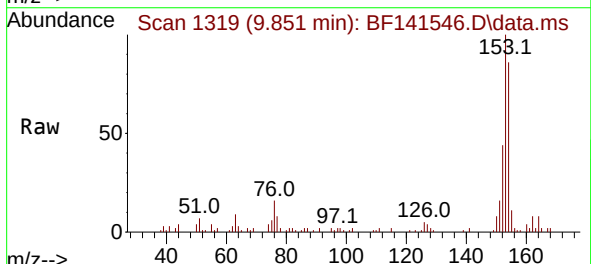
Tgt Ion:172 Resp: 13380
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.6 18.9 28.3

Manual Integrations
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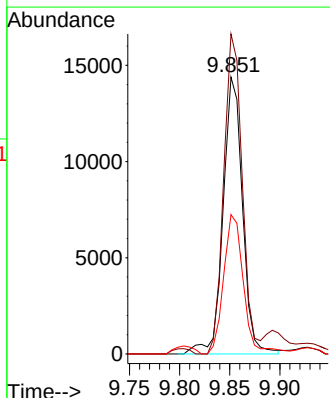
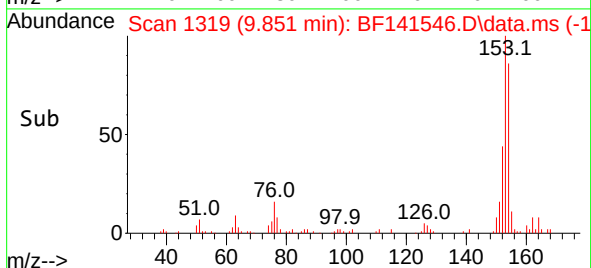
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

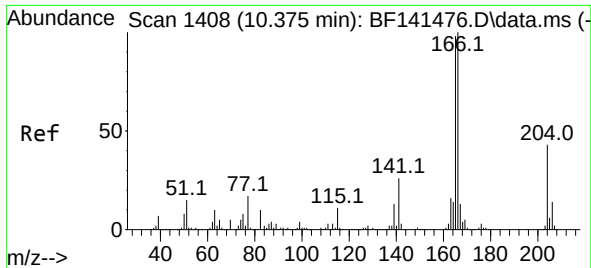


#52
Acenaphthene
Concen: 2.127 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19



Tgt Ion:154 Resp: 19368
Ion Ratio Lower Upper
154 100
153 115.6 89.2 133.8
152 50.3 39.8 59.8





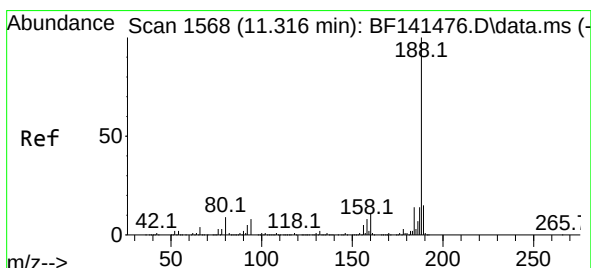
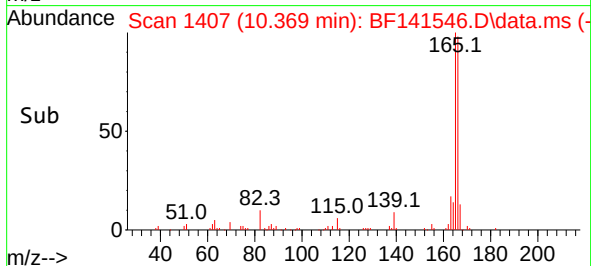
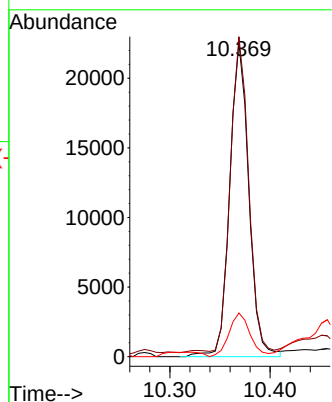
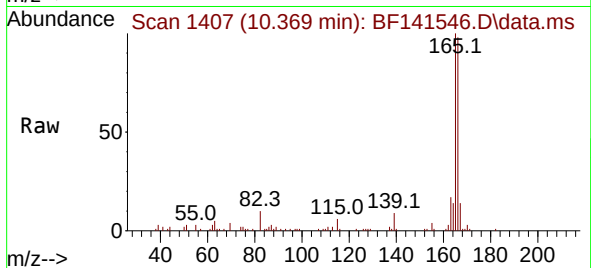
#58
Fluorene
Concen: 2.887 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Tgt Ion:166 Resp: 29838
Ion Ratio Lower Upper
166 100
165 102.0 78.2 117.2
167 13.9 10.7 16.1

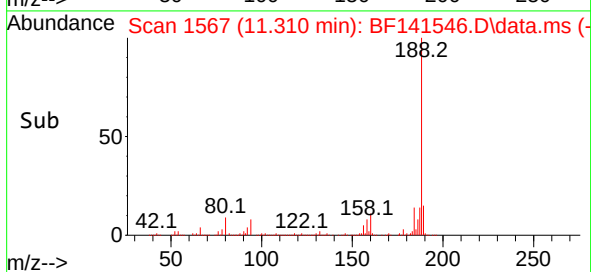
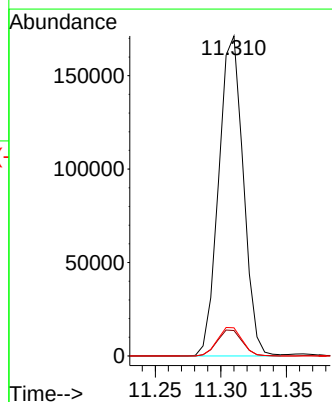
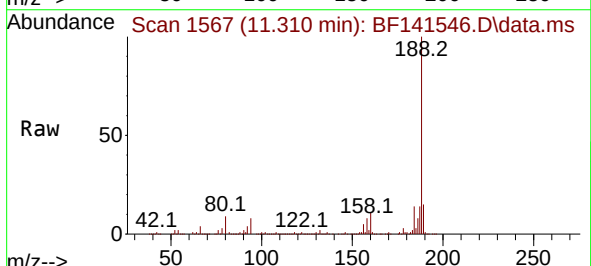
Manual Integrations
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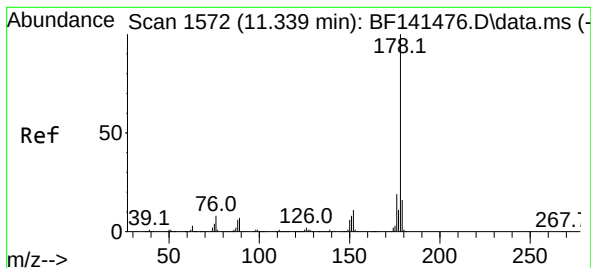
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:188 Resp: 223216
Ion Ratio Lower Upper
188 100
94 8.0 6.6 10.0
80 8.8 7.3 10.9





#71

Phenanthrene

Concen: 26.874 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025DL

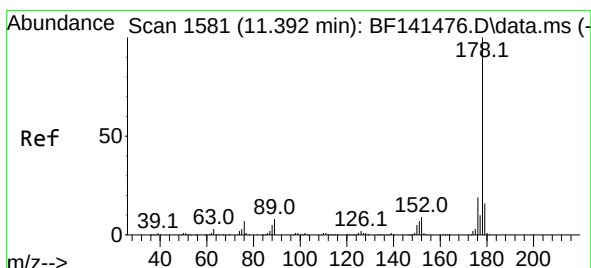
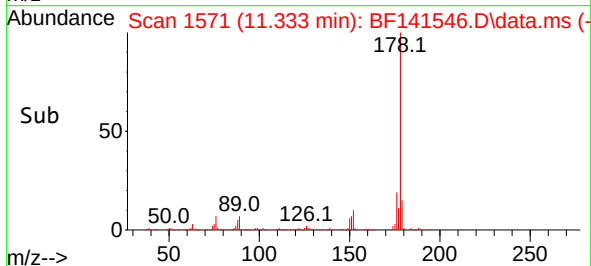
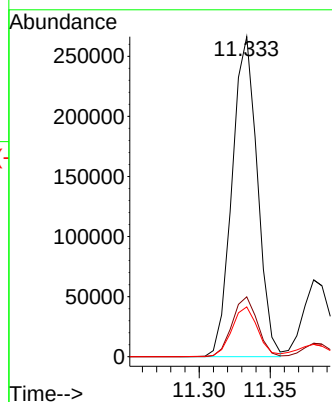
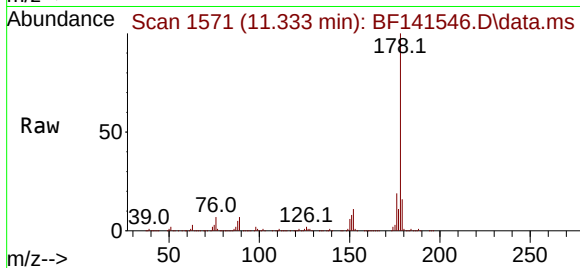
Tgt Ion:178 Resp: 33020

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.5	12.4	18.6

Manual Integrations

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#72

Anthracene

Concen: 7.086 ng

RT: 11.381 min Scan# 1579

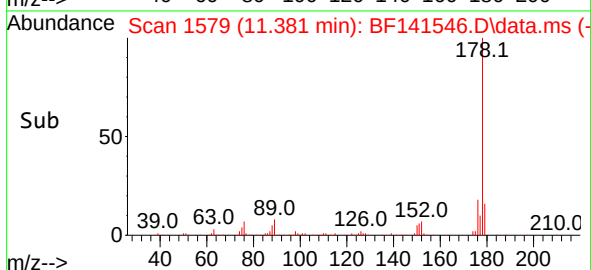
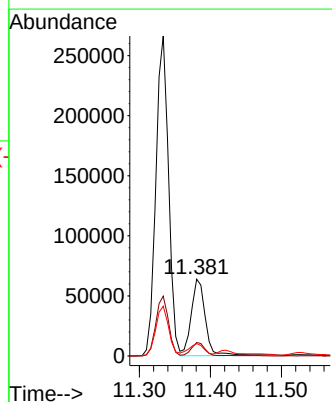
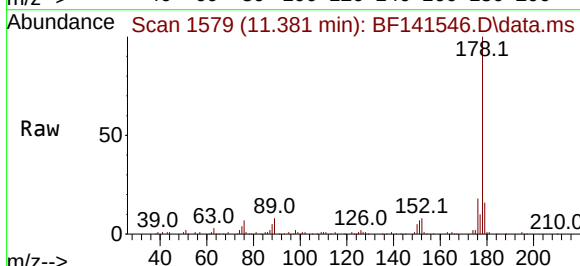
Delta R.T. -0.017 min

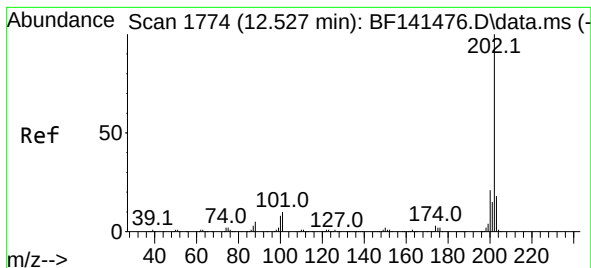
Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Tgt Ion:178 Resp: 87525

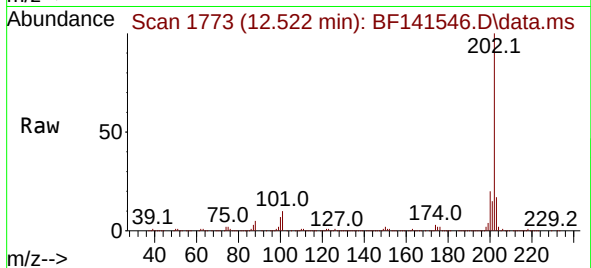
Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	16.1	12.4	18.6





#75
Fluoranthene
Concen: 30.520 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

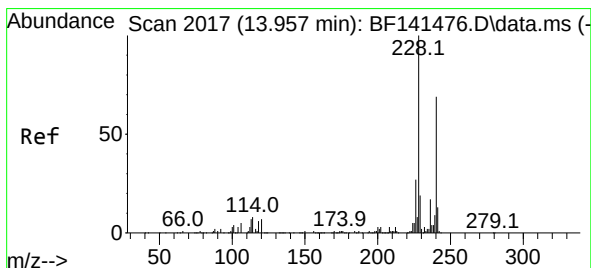
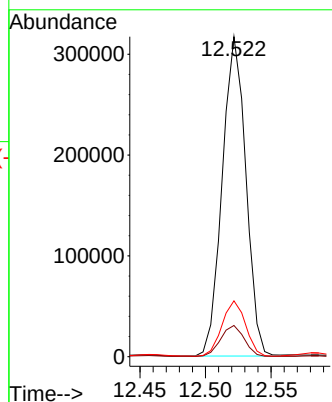
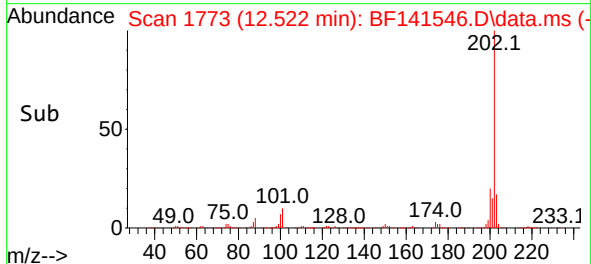
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL



Tgt Ion:202 Resp: 39757
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.4 0.0 37.6

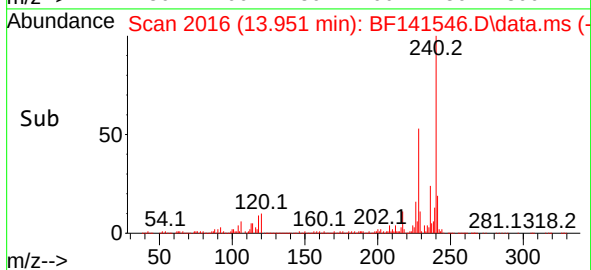
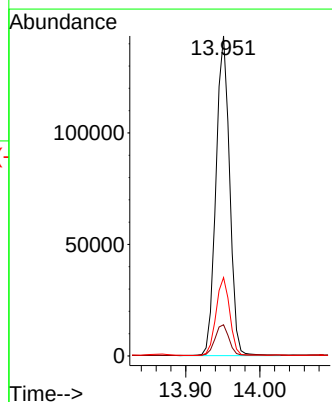
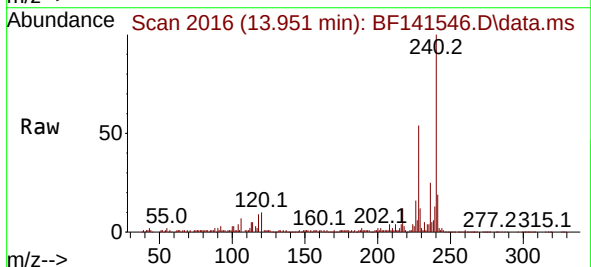
Manual Integrations
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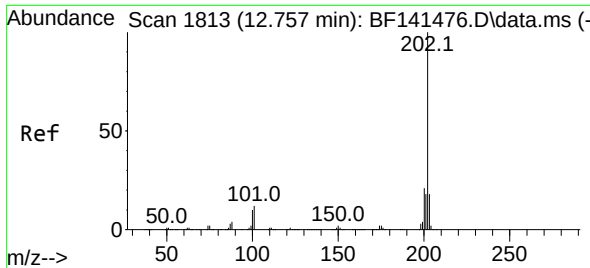
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

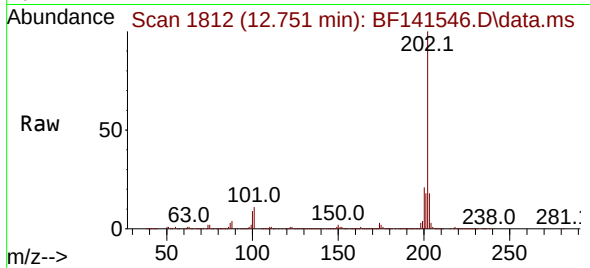
Tgt Ion:240 Resp: 183040
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 24.5 19.8 29.8





#78
 Pyrene
 Concen: 23.765 ng
 RT: 12.751 min Scan# 1812
 Delta R.T. -0.012 min
 Lab File: BF141546.D
 Acq: 10 Feb 2025 20:19

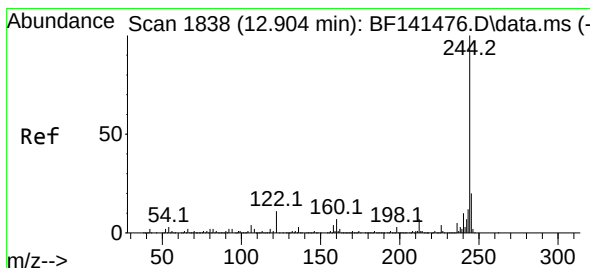
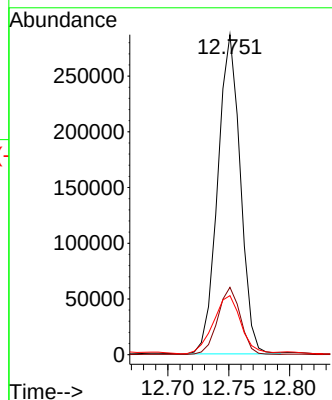
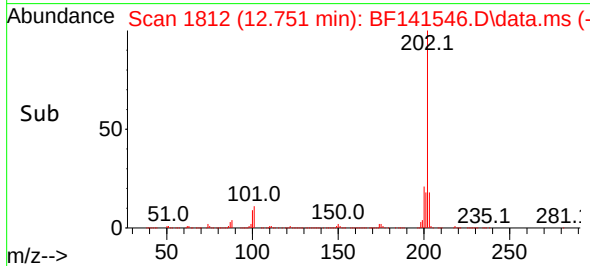
Instrument :
 BNA_F
 ClientSampleId :
 JPP-3.5-013025DL



Tgt Ion:202 Resp: 37030
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 18.5 14.3 21.5

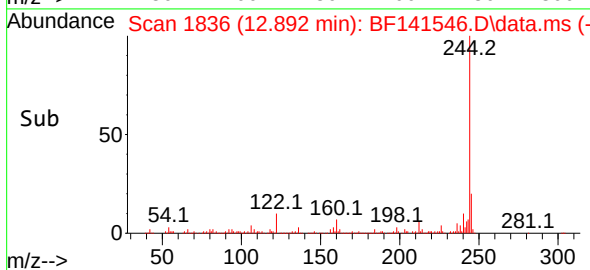
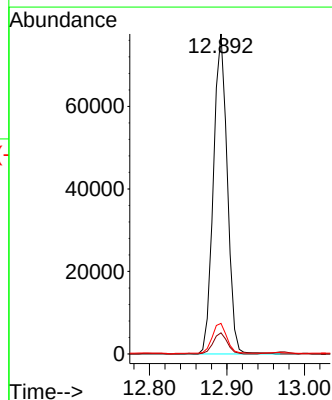
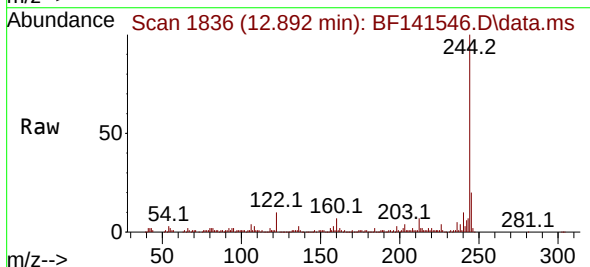
Manual Integrations
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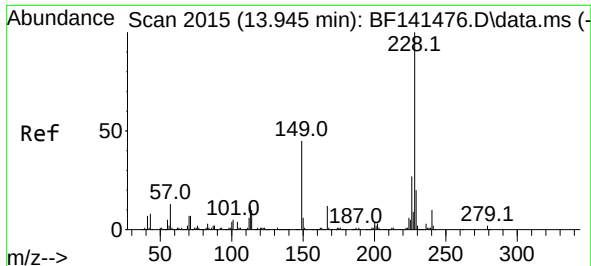
Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025



#79
 Terphenyl-d14
 Concen: 8.895 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141546.D
 Acq: 10 Feb 2025 20:19

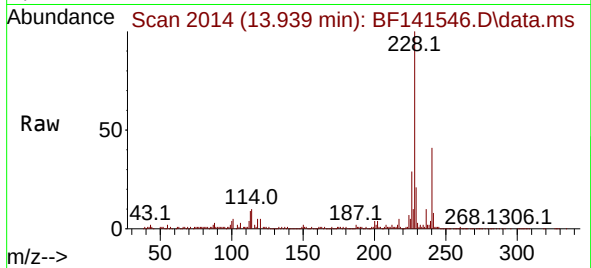
Tgt Ion:244 Resp: 96439
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 9.6 8.4 12.6





#81
Benzo(a)anthracene
Concen: 17.960 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

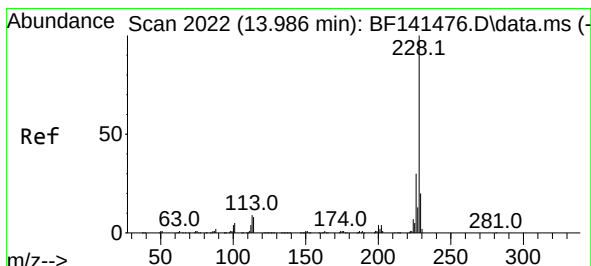
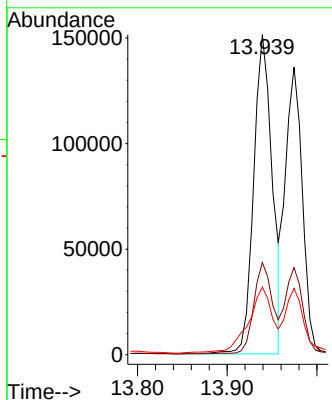
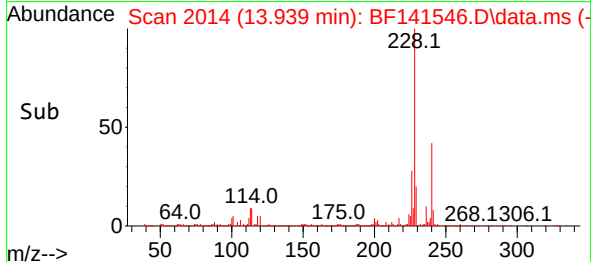
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL



Tgt Ion:228 Resp: 218530
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 21.2 15.8 23.6

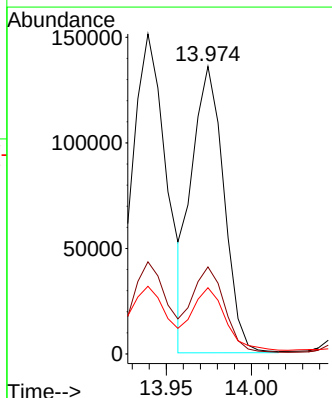
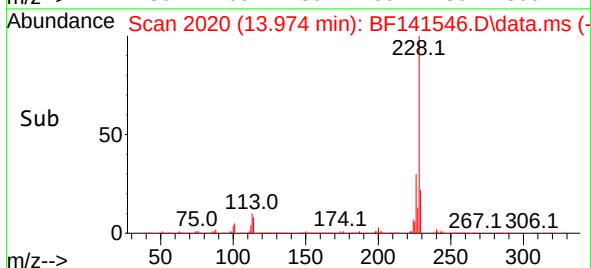
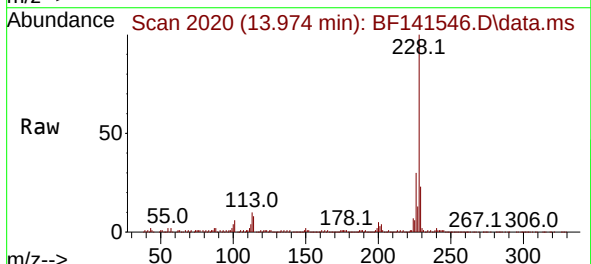
Manual Integrations
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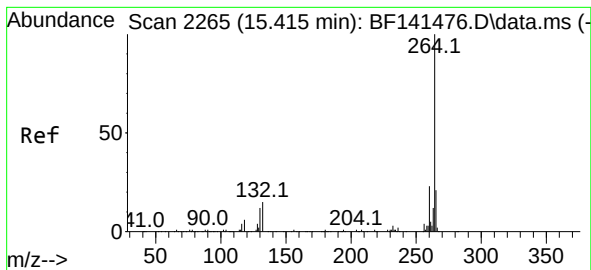
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#83
Chrysene
Concen: 15.815 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

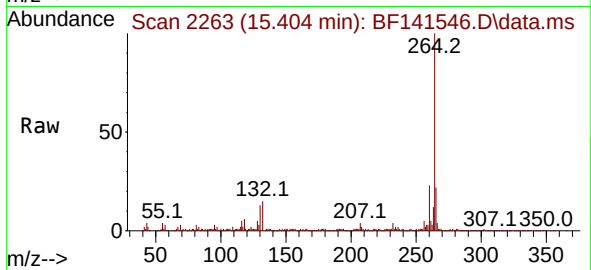
Tgt Ion:228 Resp: 177676
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 23.0 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 215
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

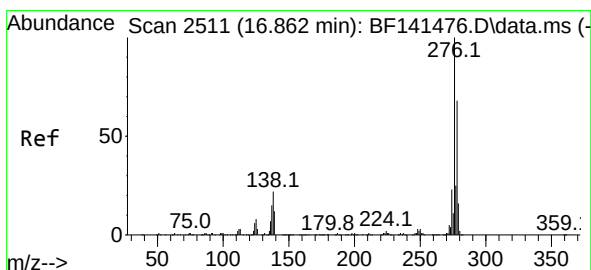
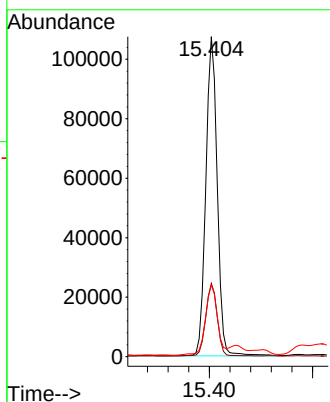
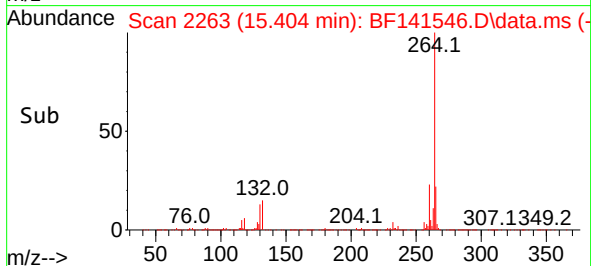
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL



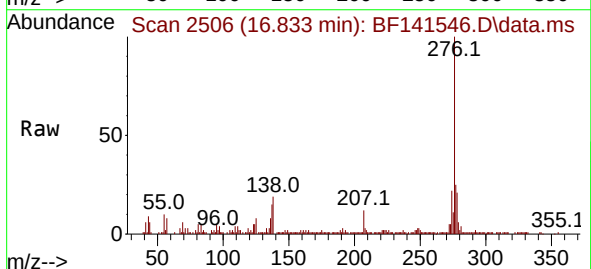
Tgt Ion:264 Resp: 16454
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 22.4 17.0 25.4

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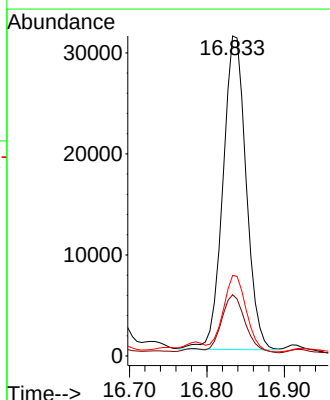
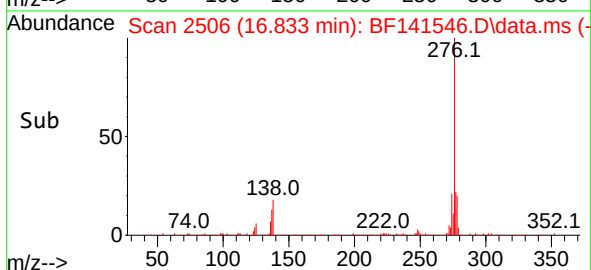
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

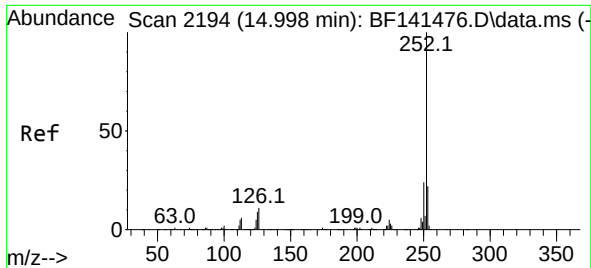


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.354 ng
RT: 16.833 min Scan# 2506
Delta R.T. -0.041 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19



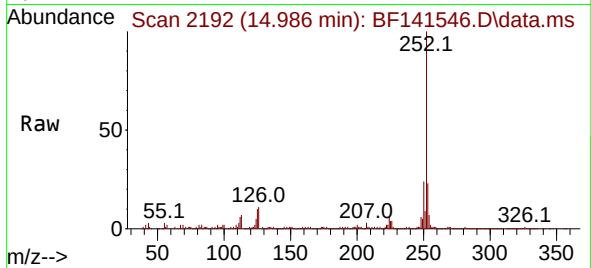
Tgt Ion:276 Resp: 64598
Ion Ratio Lower Upper
276 100
138 18.8 18.0 27.0
277 24.8 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 17.954 ng m
RT: 14.986 min Scan# 2194
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

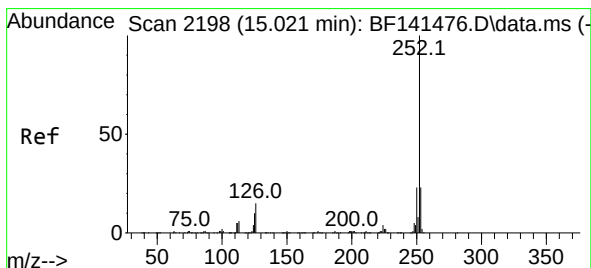
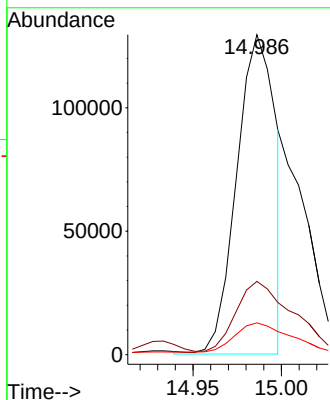
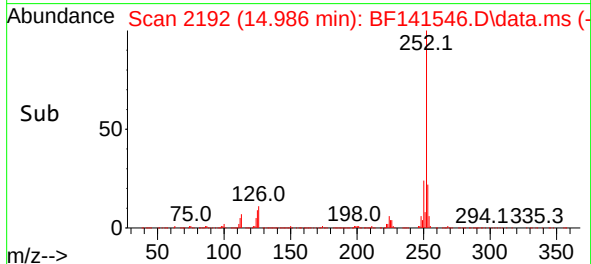
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL



Tgt Ion:252 Resp: 198364
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.0 7.0 10.6

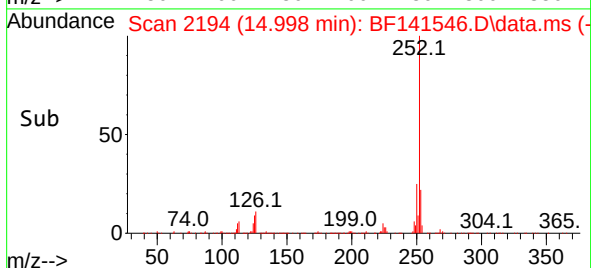
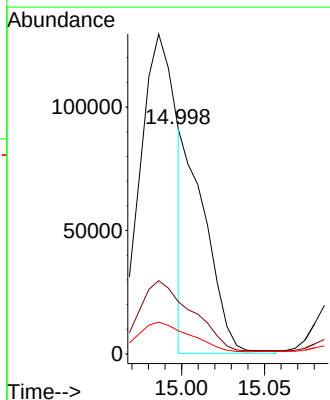
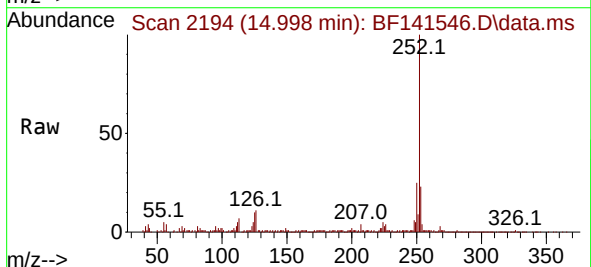
Manual Integrations
APPROVED

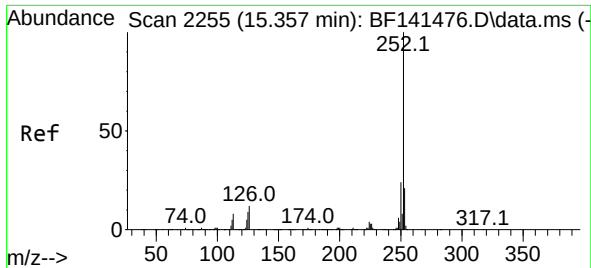
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#89
Benzo(k)fluoranthene
Concen: 9.119 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.035 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

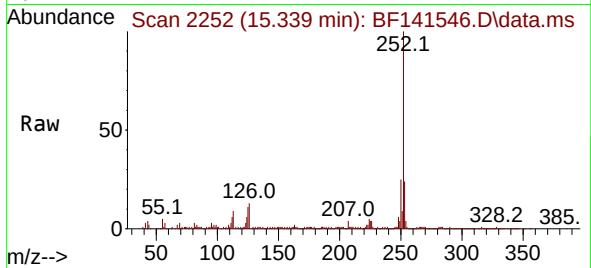
Tgt Ion:252 Resp: 86035
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 10.3 7.4 11.0





#90
Benzo(a)pyrene
Concen: 16.180 ng
RT: 15.339 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

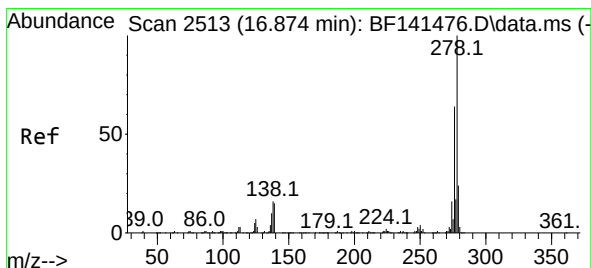
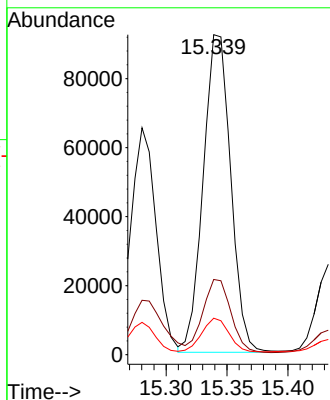
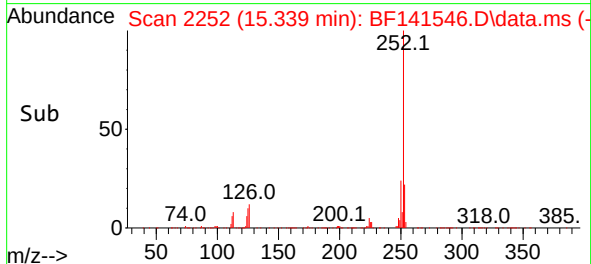
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL



Tgt Ion:252 Resp: 144649
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 11.4 7.4 11.2

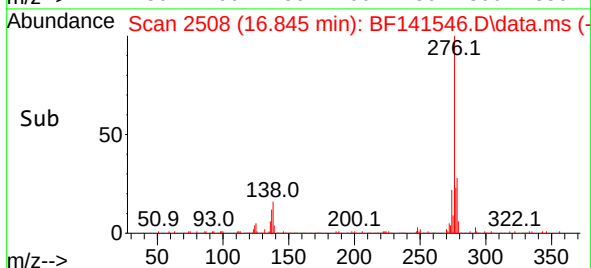
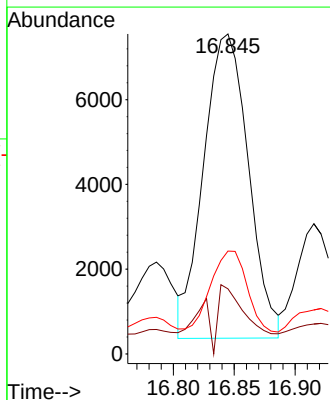
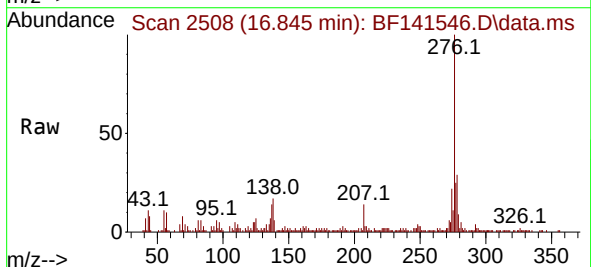
Manual Integrations
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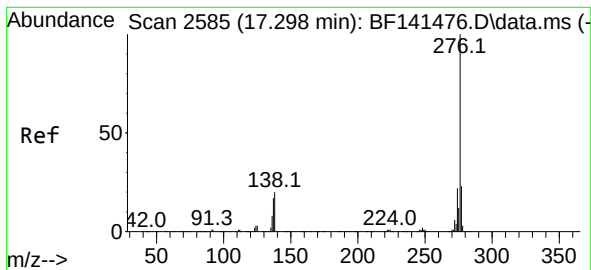
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#91
Dibenzo(a,h)anthracene
Concen: 2.229 ng
RT: 16.845 min Scan# 2508
Delta R.T. -0.047 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

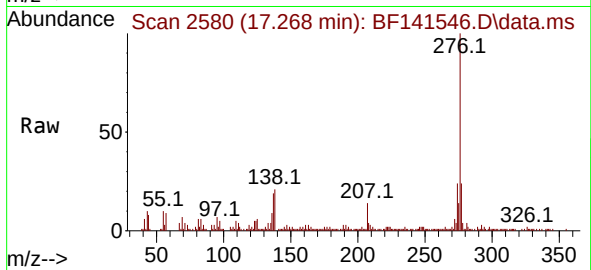
Tgt Ion:278 Resp: 18360
Ion Ratio Lower Upper
278 100
139 20.4 11.8 17.6#
279 32.1 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 6.880 ng
 RT: 17.268 min Scan# 2580
 Delta R.T. -0.047 min
 Lab File: BF141546.D
 Acq: 10 Feb 2025 20:19

Instrument :
 BNA_F
 ClientSampleId :
 JPP-3.5-013025DL



Tgt Ion: 276 Resp: 59314
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.6 28.0
 138 20.8 15.9 23.9

Manual Integrations
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Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025

