

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141545.D
 Acq On : 10 Feb 2025 19:53
 Operator : RC/JU
 Sample : Q1215-07DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825DL

Manual Integrations
 APPROVED

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

Quant Time: Feb 11 00:08:51 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	77252	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	310103	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	166362	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	240844	20.000	ng	0.00
76) Chrysene-d12	13.951	240	179683	20.000	ng	-0.01
86) Perylene-d12	15.404	264	169289	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	211354	42.892	ng	0.00
7) Phenol-d6	6.422	99	266723	42.826	ng	-0.02
23) Nitrobenzene-d5	7.345	82	176141	29.626	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	61418	36.751	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	325856	30.177	ng	-0.01
79) Terphenyl-d14	12.892	244	259311	24.363	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.851	154	29321	3.074	ng	99
58) Fluorene	10.369	166	28839	2.664	ng	98
71) Phenanthrene	11.333	178	419558	31.647	ng	100
72) Anthracene	11.380	178	101273	7.599	ng	99
73) Carbazole	11.539	167	24145	2.014	ng	97
75) Fluoranthene	12.522	202	558824	39.759	ng	99
78) Pyrene	12.751	202	544240	35.581	ng	99
81) Benzo(a)anthracene	13.939	228	290751	24.343	ng	98
83) Chrysene	13.974	228	236762	21.468	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	117168	11.201	ng	96
88) Benzo(b)fluoranthene	14.992	252	344333m	30.292	ng	
89) Benzo(k)fluoranthene	15.004	252	102409m	10.551	ng	
90) Benzo(a)pyrene	15.345	252	237008	25.768	ng	97
91) Dibenzo(a,h)anthracene	16.845	278	28891	3.409	ng	# 78
92) Benzo(g,h,i)perylene	17.274	276	117125	13.205	ng	100

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

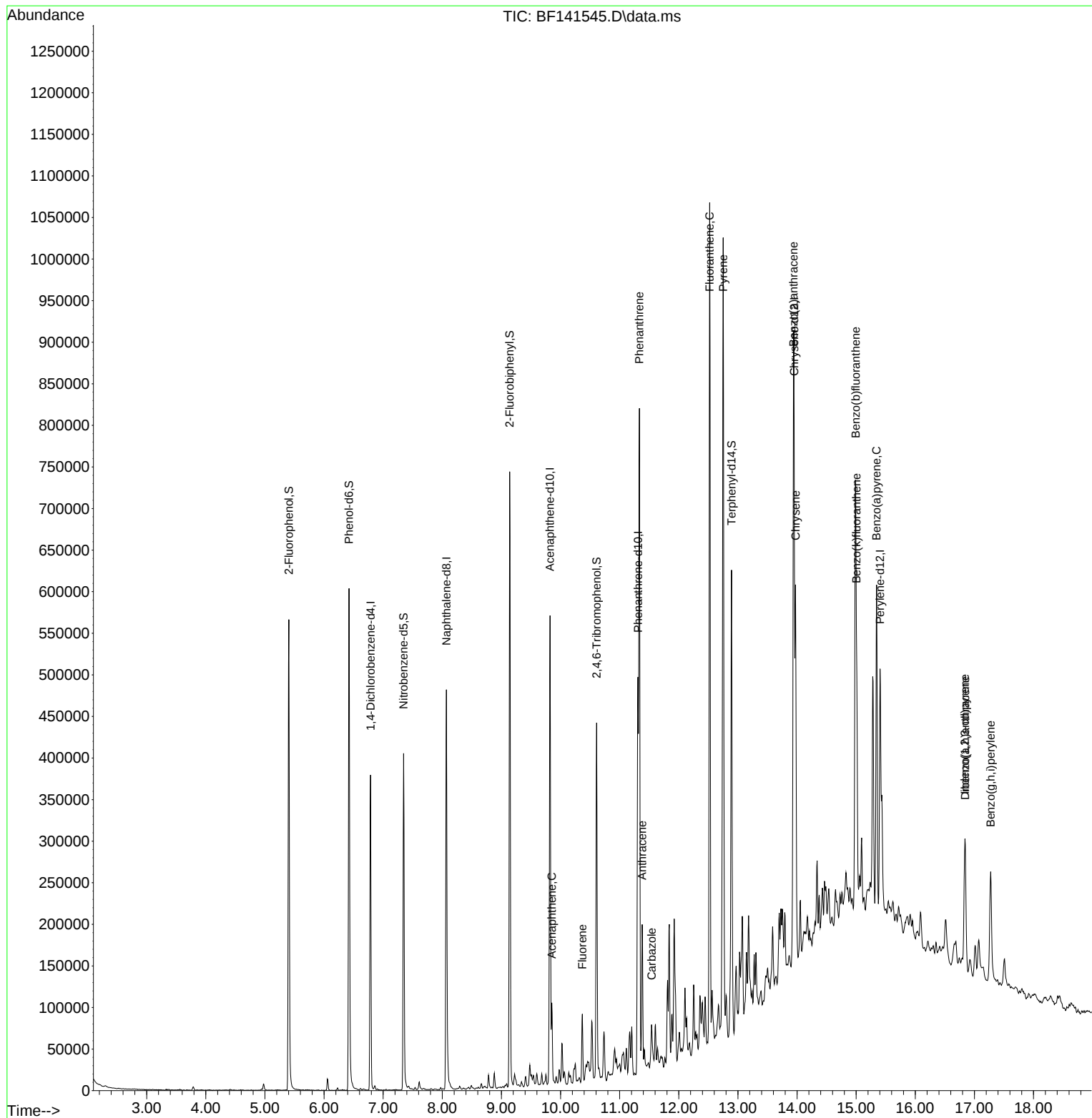
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141545.D
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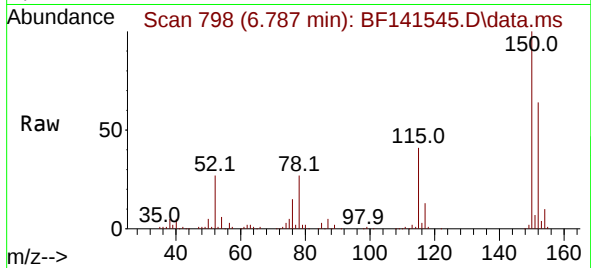
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

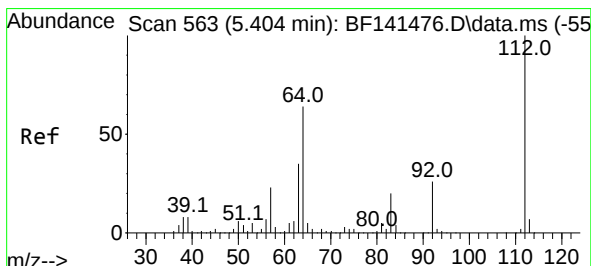
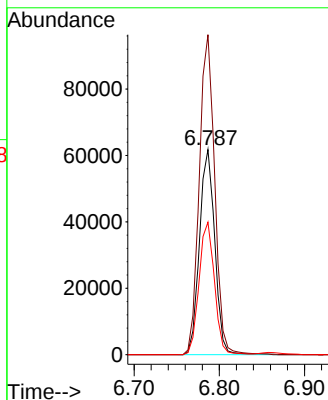
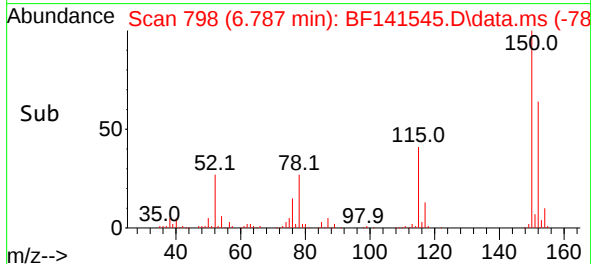
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



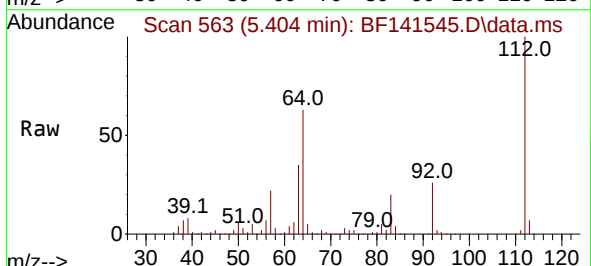
Tgt Ion:152 Resp: 77252
Ion Ratio Lower Upper
152 100
150 156.0 125.0 187.4
115 64.6 53.6 80.4

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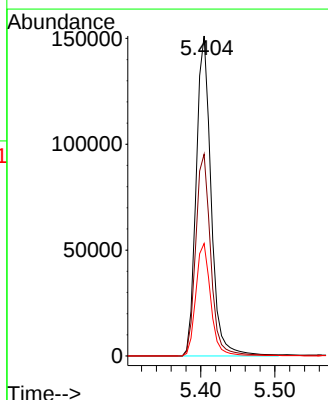
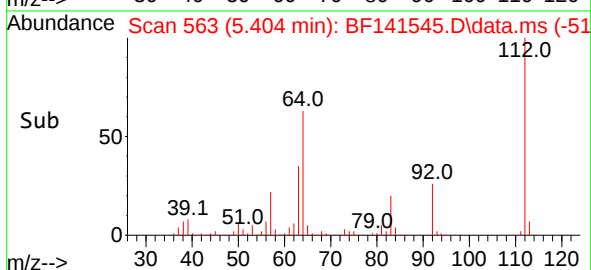
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#5
2-Fluorophenol
Concen: 42.892 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



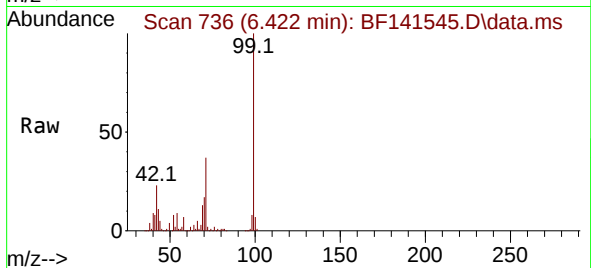
Tgt Ion:112 Resp: 211354
Ion Ratio Lower Upper
112 100
64 63.0 51.1 76.7
63 35.1 28.4 42.6





#7
Phenol-d6
Concen: 42.826 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

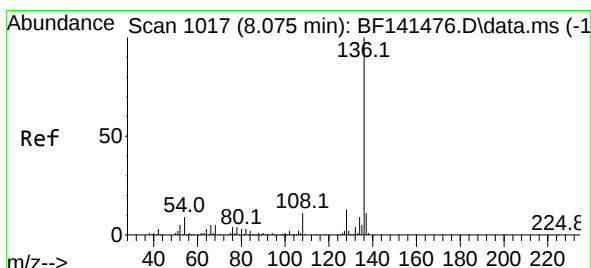
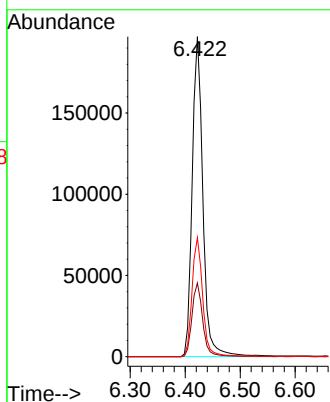
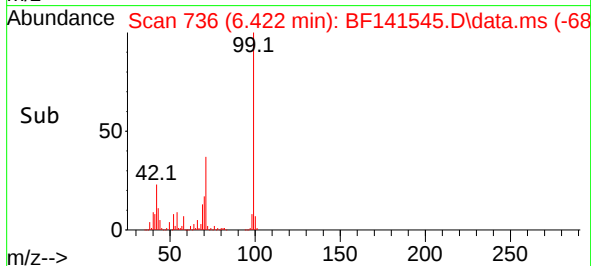
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



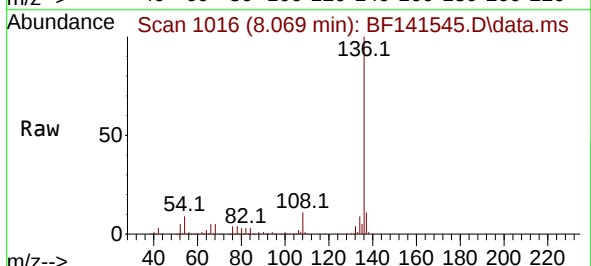
Tgt Ion: 99 Resp: 26672
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 37.2 31.1 46.7

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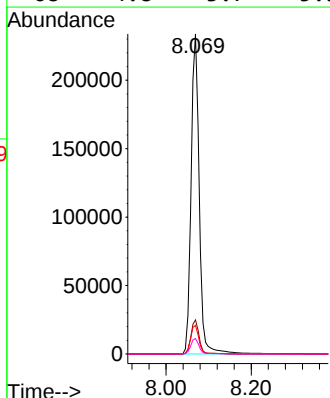
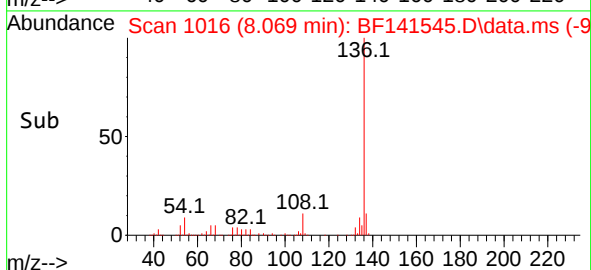
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



Tgt Ion:136 Resp: 310103
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 29.626 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825DL

Tgt Ion: 82 Resp: 17614

Ion Ratio Lower Upper

82 100

128 43.5 34.8 52.2

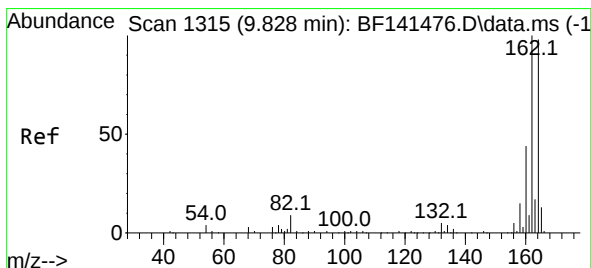
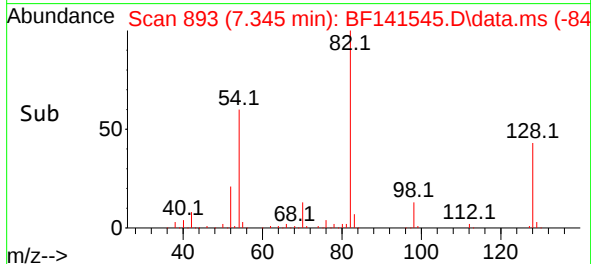
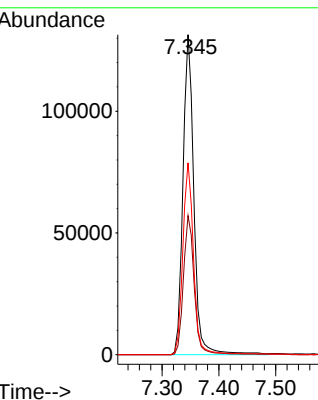
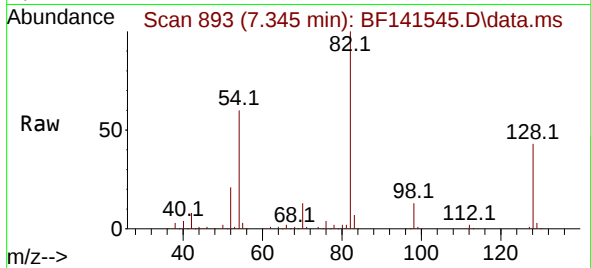
54 60.0 48.2 72.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

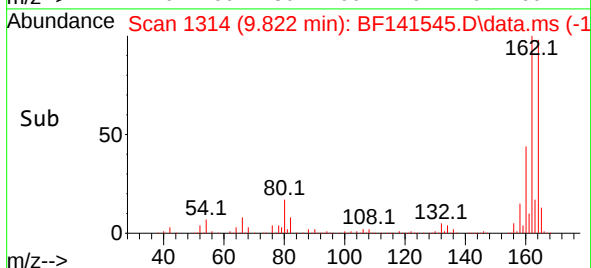
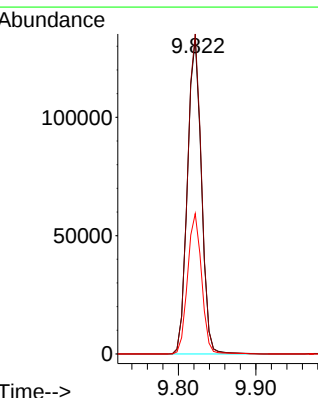
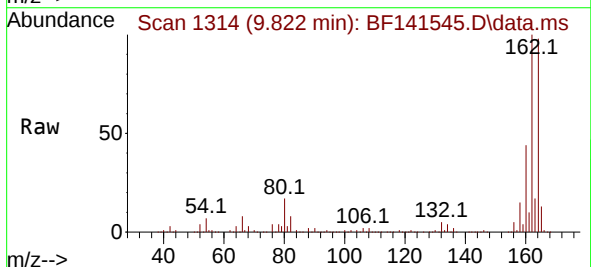
Tgt Ion:164 Resp: 166362

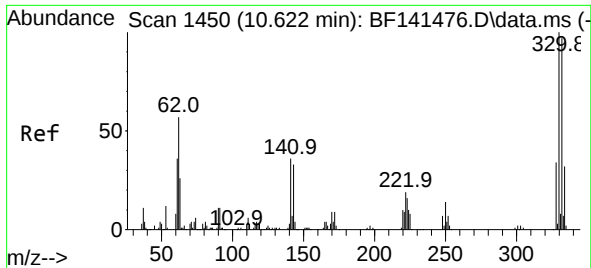
Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

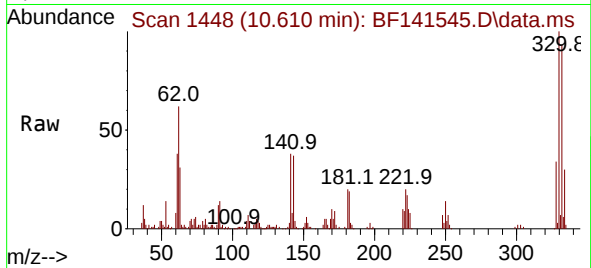
160 44.6 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 36.751 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

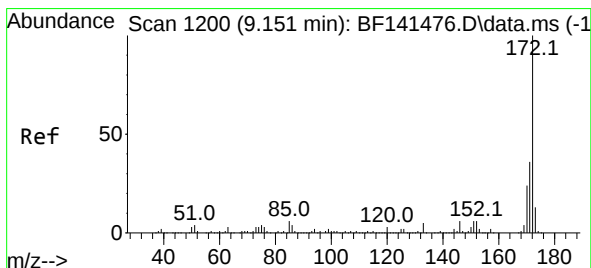
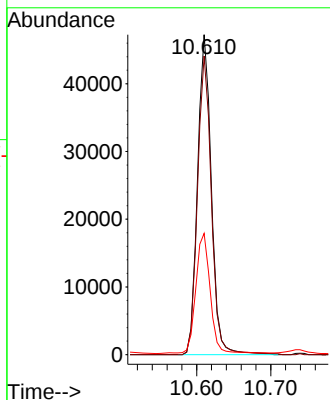
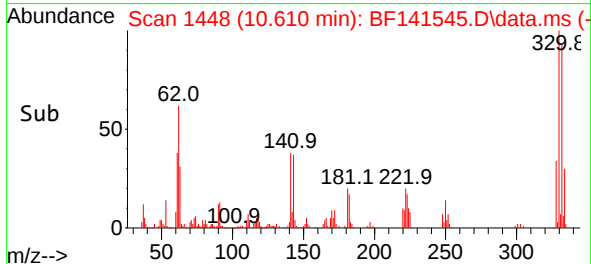
Instrument :
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ClientSampleId :
JPP-29.2-012825DL



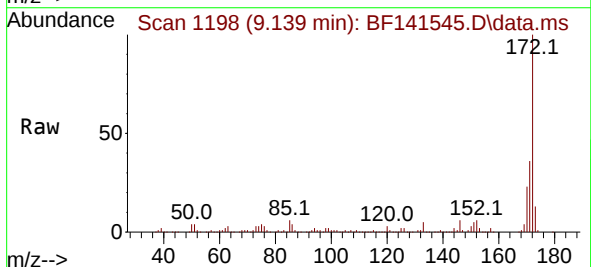
Tgt Ion: 330 Resp: 61418
Ion Ratio Lower Upper
330 100
332 93.7 78.5 117.7
141 39.4 31.0 46.4

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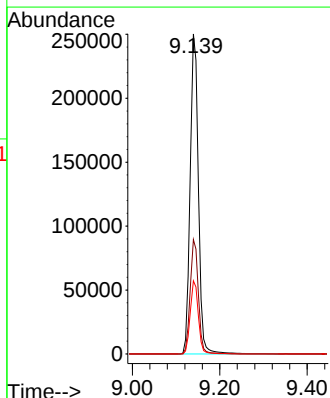
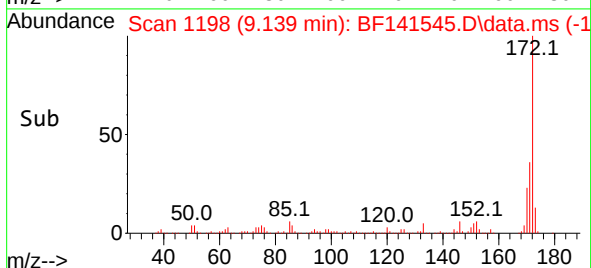
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

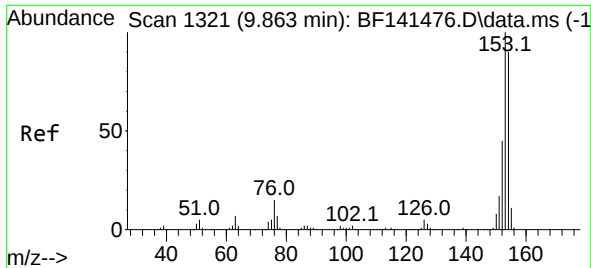


#45
2-Fluorobiphenyl
Concen: 30.177 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



Tgt Ion: 172 Resp: 325856
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 22.9 18.9 28.3





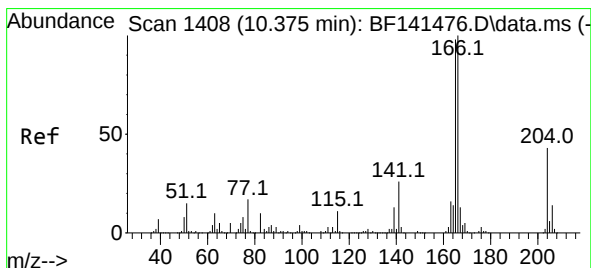
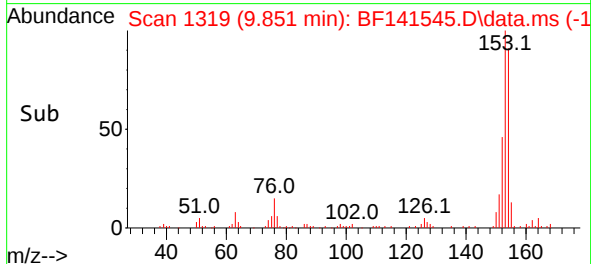
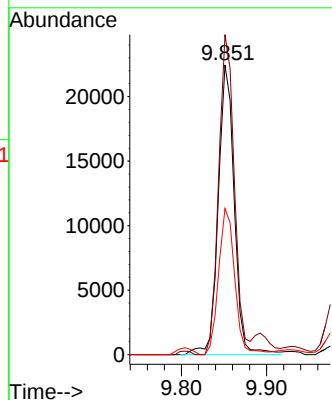
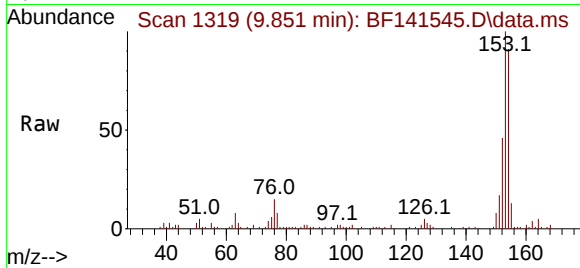
#52
Acenaphthene
Concen: 3.074 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

Instrument :
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ClientSampleId :
JPP-29.2-012825DL

Tgt Ion:154 Resp: 2932
Ion Ratio Lower Upper
154 100
153 110.4 89.2 133.8
152 50.4 39.8 59.8

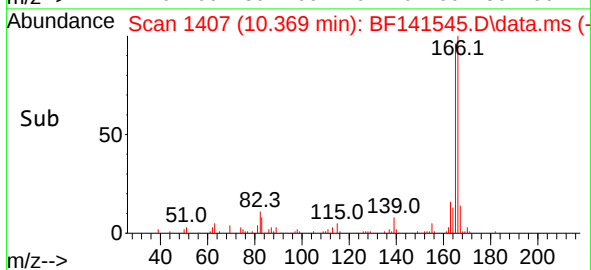
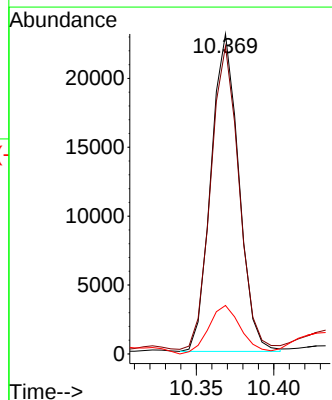
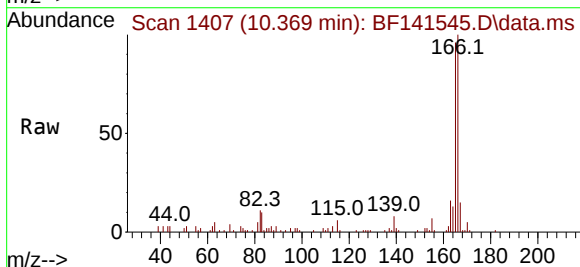
Manual Integrations
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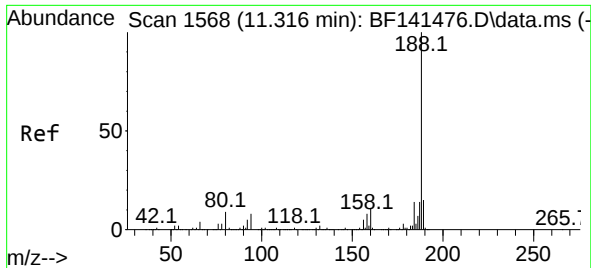
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#58
Fluorene
Concen: 2.664 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

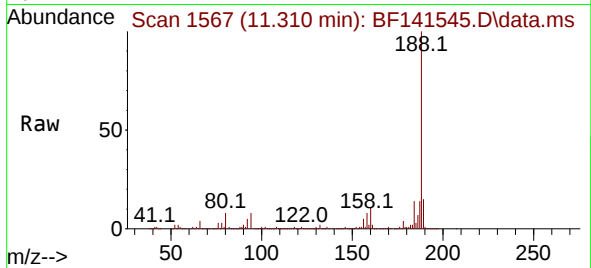
Tgt Ion:166 Resp: 28839
Ion Ratio Lower Upper
166 100
165 96.2 78.2 117.2
167 15.2 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

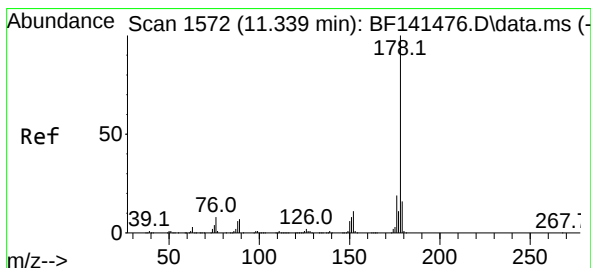
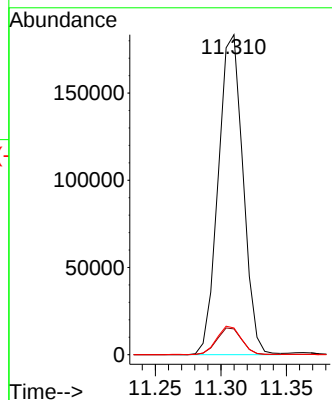
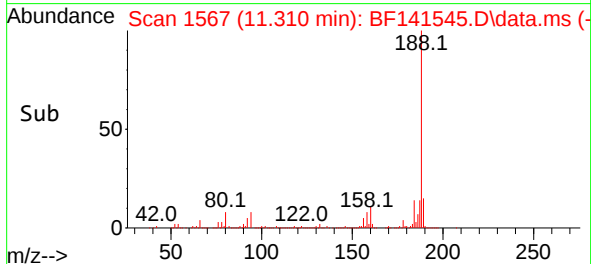
Instrument :
BNA_F
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JPP-29.2-012825DL



Tgt Ion:188 Resp: 24084
Ion Ratio Lower Upper
188 100
94 8.1 6.6 10.0
80 8.4 7.3 10.9

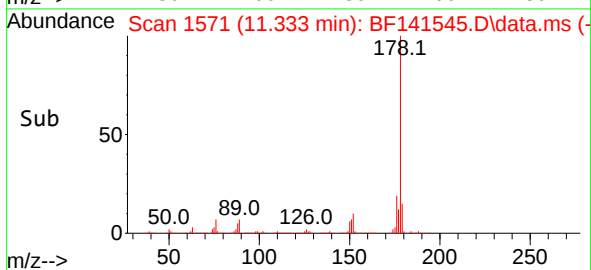
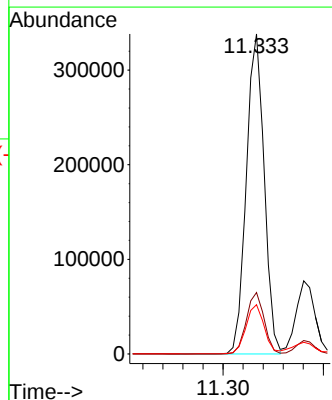
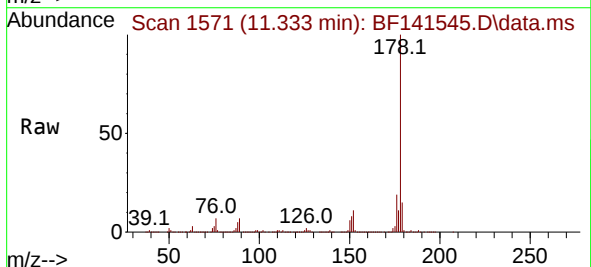
Manual Integrations
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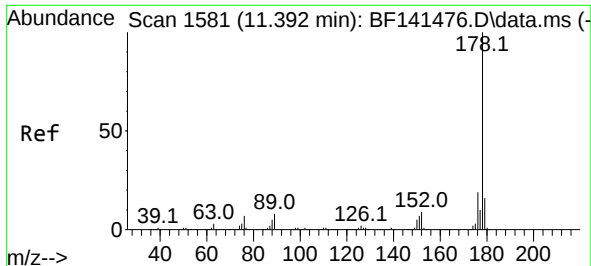
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#71
Phenanthrene
Concen: 31.647 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

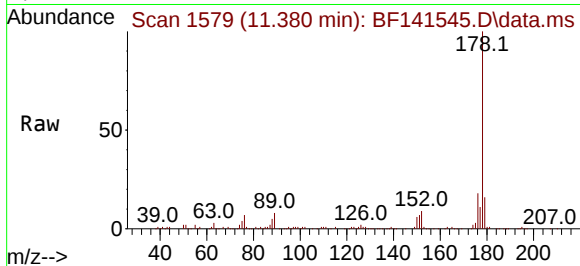
Tgt Ion:178 Resp: 419558
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 7.599 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

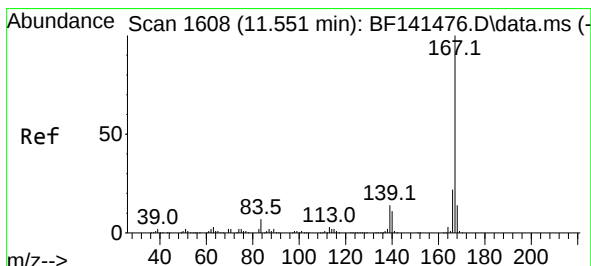
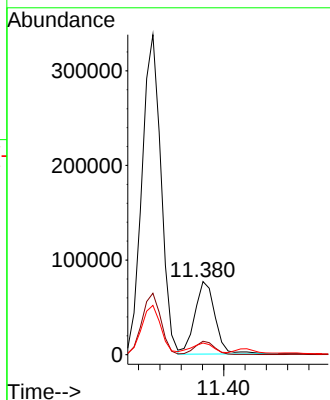
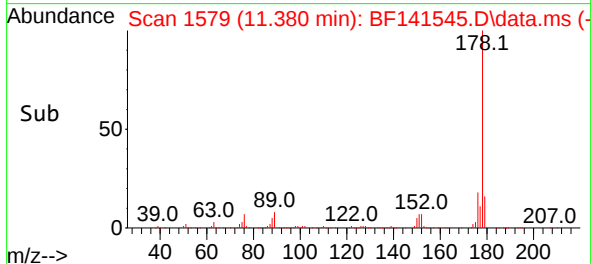
Instrument :
 BNA_F
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 JPP-29.2-012825DL



Tgt Ion:178 Resp: 10127
 Ion Ratio Lower Upper
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 176 18.4 14.8 22.2
 179 15.9 12.4 18.6

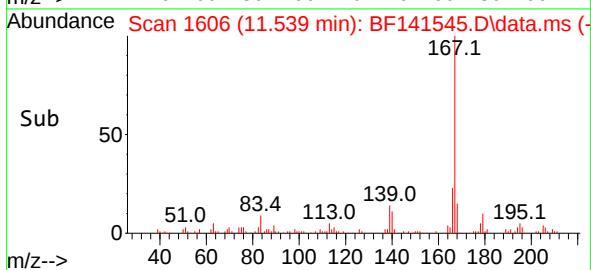
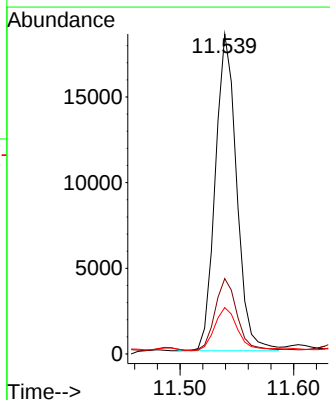
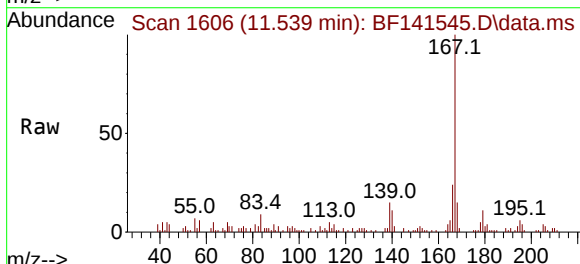
Manual Integrations
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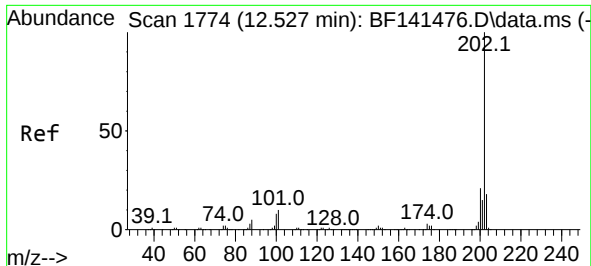
Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025



#73
 Carbazole
 Concen: 2.014 ng
 RT: 11.539 min Scan# 1606
 Delta R.T. -0.012 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

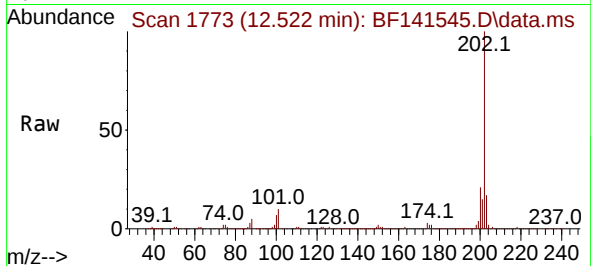
Tgt Ion:167 Resp: 24145
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.4 26.2
 139 14.5 10.9 16.3





#75
Fluoranthene
Concen: 39.759 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

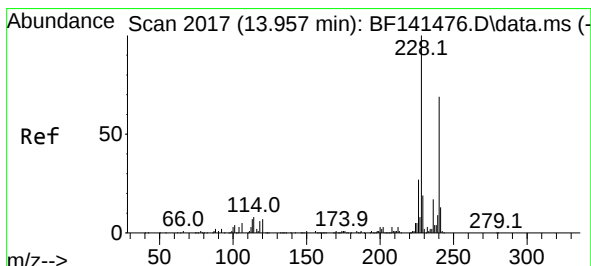
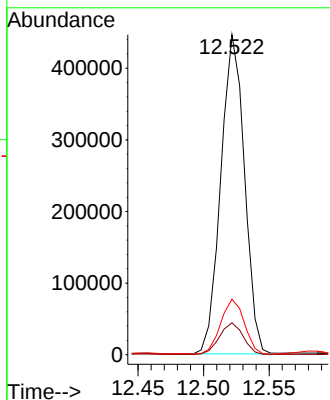
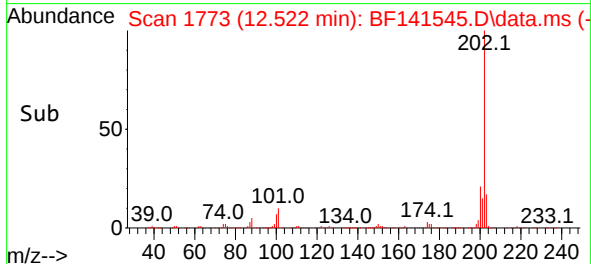
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



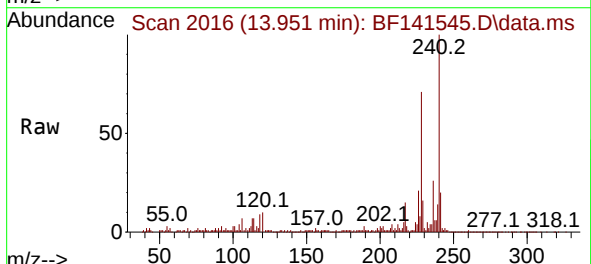
Tgt Ion:202 Resp: 558824
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.4 0.0 37.6

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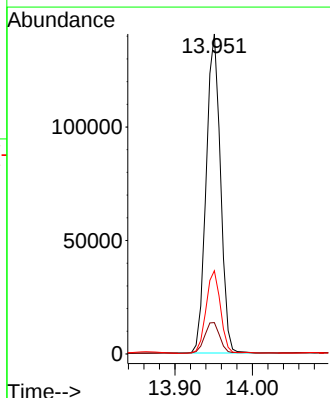
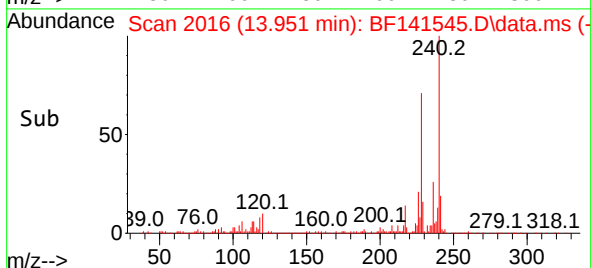
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

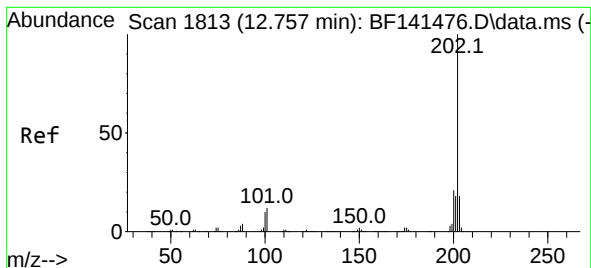


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53



Tgt Ion:240 Resp: 179683
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 26.0 19.8 29.8





#78

Pyrene

Concen: 35.581 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

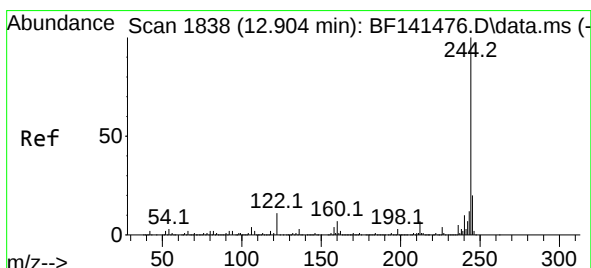
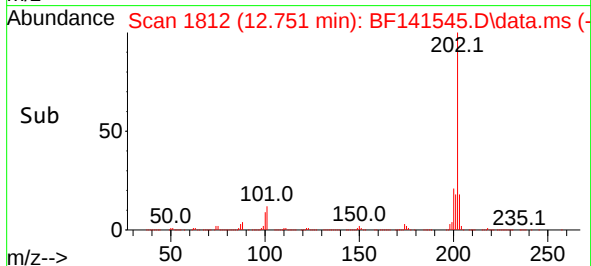
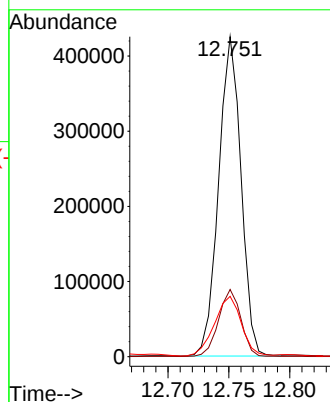
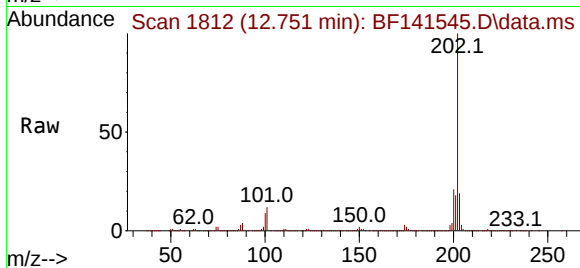
JPP-29.2-012825DL

Tgt Ion:202 Resp: 544240
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 18.8 14.3 21.5

Manual Integrations

APPROVED

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



#79

Terphenyl-d14

Concen: 24.363 ng

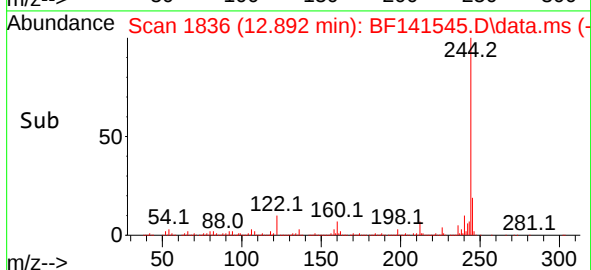
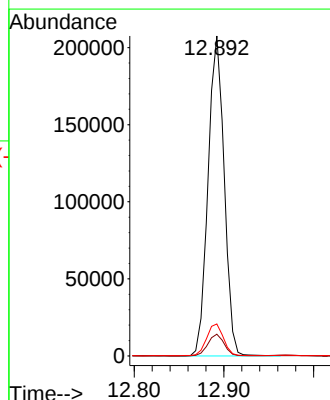
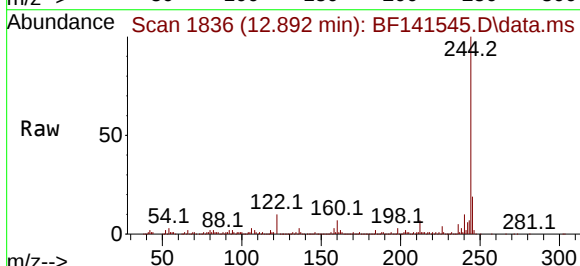
RT: 12.892 min Scan# 1836

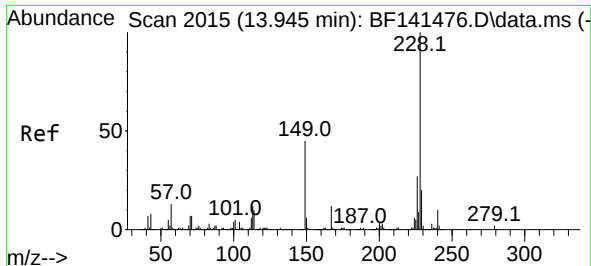
Delta R.T. -0.012 min

Lab File: BF141545.D

Acq: 10 Feb 2025 19:53

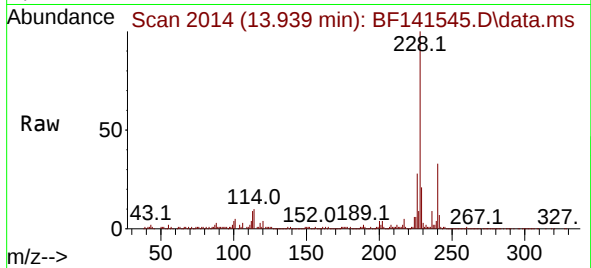
Tgt Ion:244 Resp: 259311
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.0 8.4 12.6





#81
Benzo(a)anthracene
Concen: 24.343 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

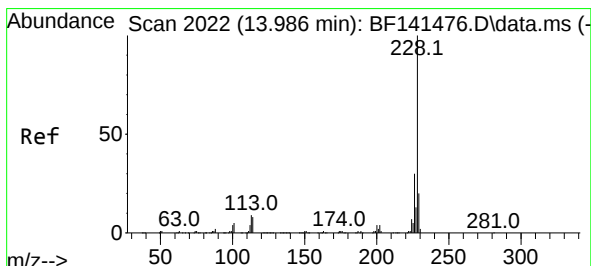
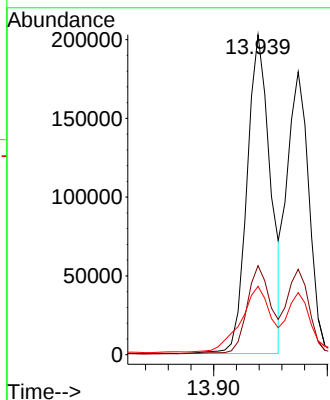
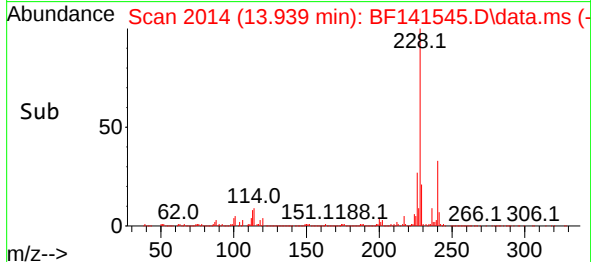
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



Tgt Ion:228 Resp: 29075
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 21.4 15.8 23.6

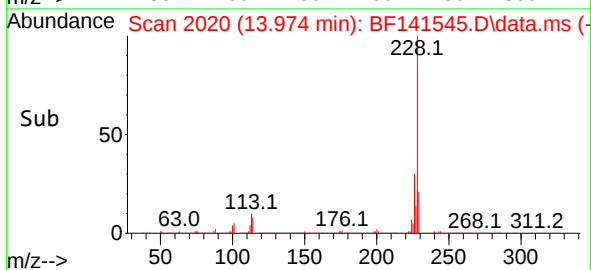
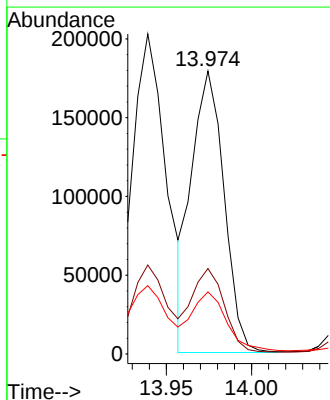
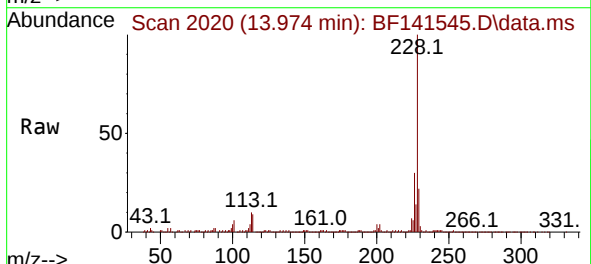
Manual Integrations
APPROVED

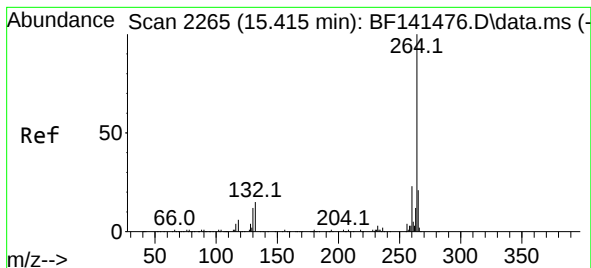
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#83
Chrysene
Concen: 21.468 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

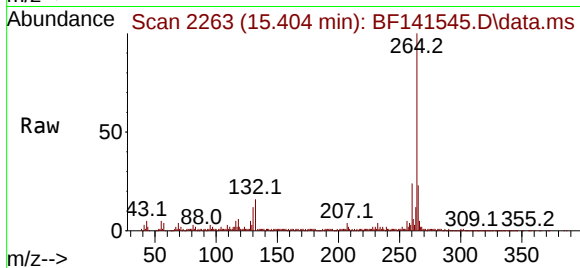
Tgt Ion:228 Resp: 236762
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.0 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

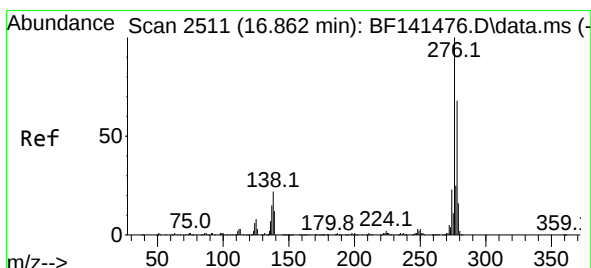
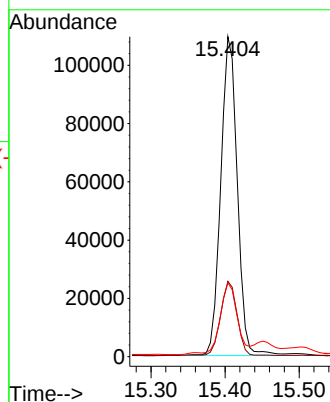
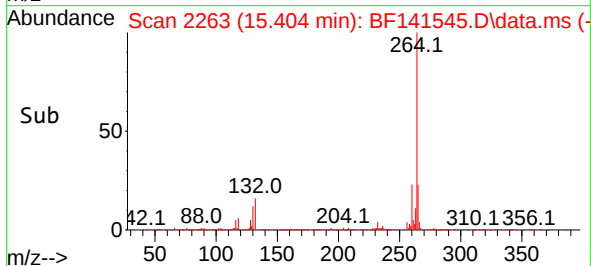
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



Tgt Ion:264 Resp: 169289
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 23.1 17.0 25.4

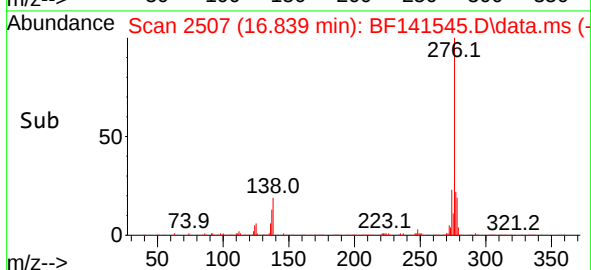
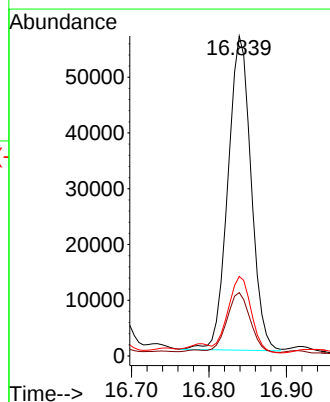
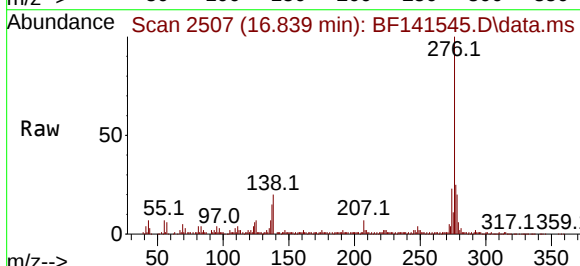
Manual Integrations
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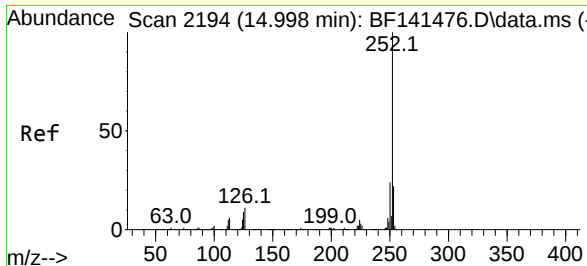
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.201 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.035 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

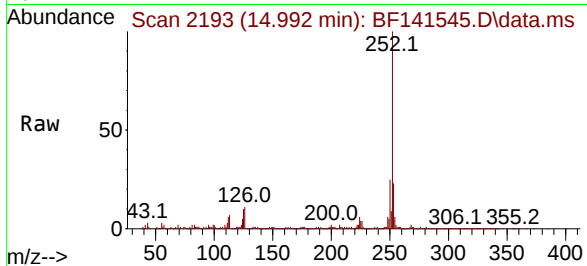
Tgt Ion:276 Resp: 117168
Ion Ratio Lower Upper
276 100
138 19.1 18.0 27.0
277 24.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 30.292 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

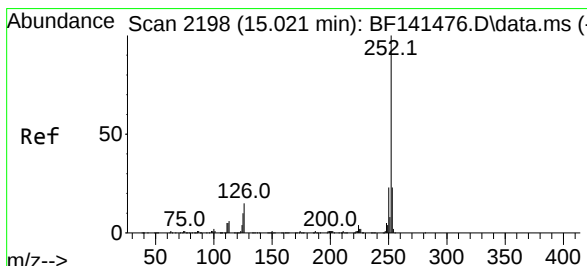
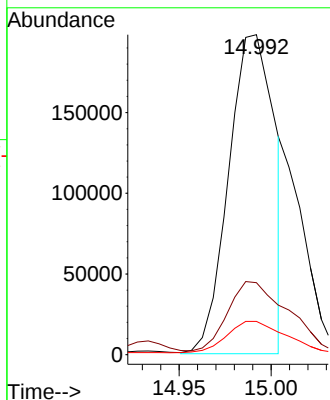
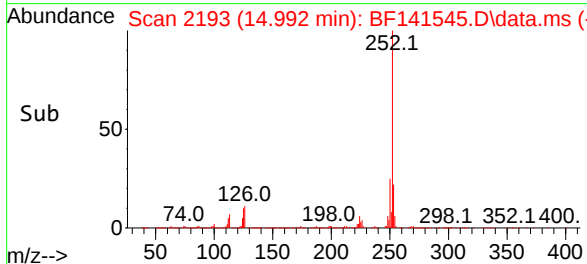
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



Tgt Ion:252 Resp: 34433
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.4 7.0 10.6

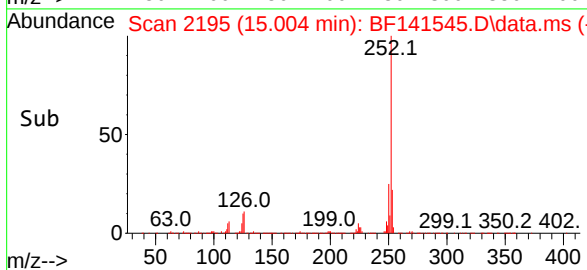
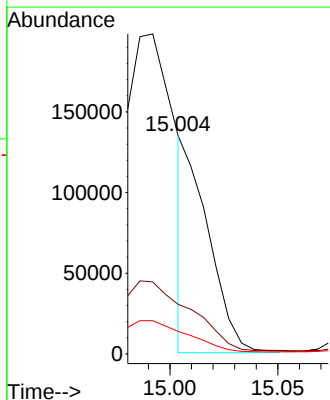
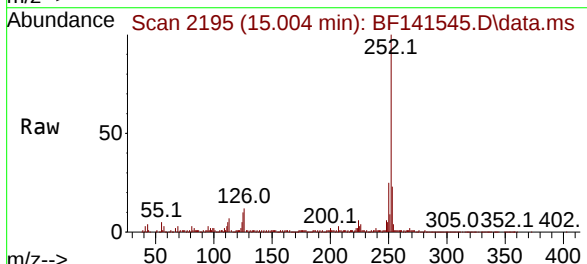
Manual Integrations
APPROVED

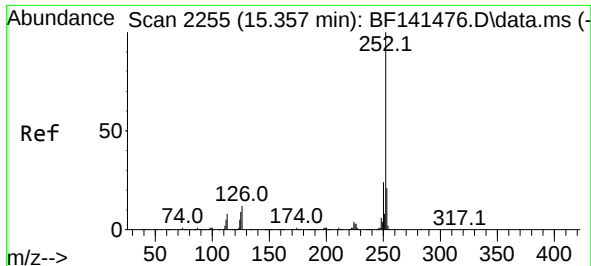
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#89
Benzo(k)fluoranthene
Concen: 10.551 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

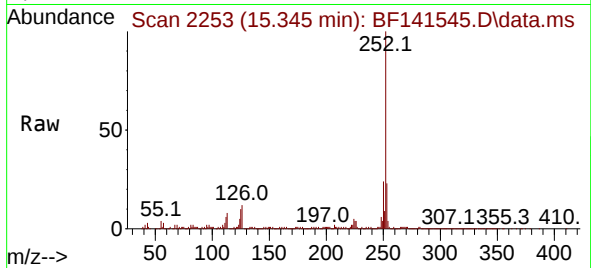
Tgt Ion:252 Resp: 102409
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 10.4 7.4 11.0





#90
Benzo(a)pyrene
Concen: 25.768 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

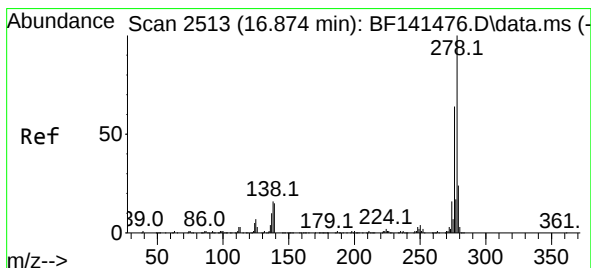
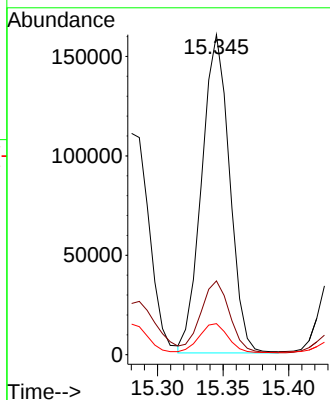
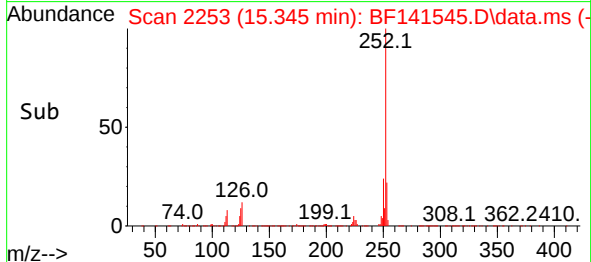
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825DL



Tgt Ion:252 Resp: 237008
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 9.7 7.4 11.2

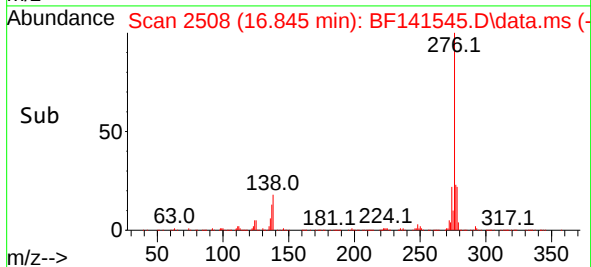
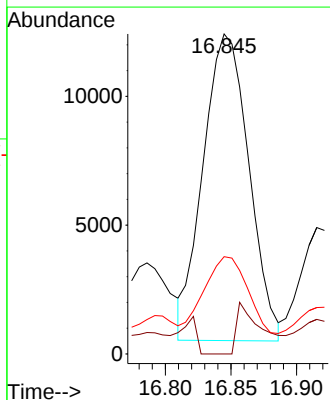
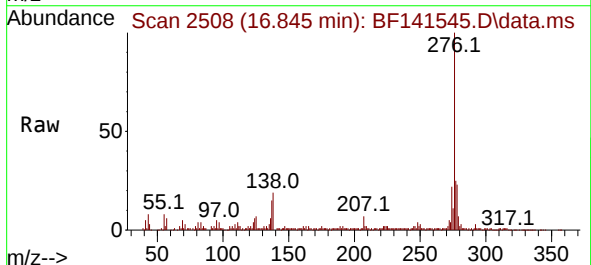
Manual Integrations
APPROVED

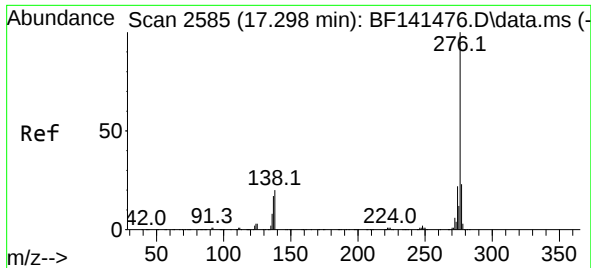
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#91
Dibenzo(a,h)anthracene
Concen: 3.409 ng
RT: 16.845 min Scan# 2508
Delta R.T. -0.047 min
Lab File: BF141545.D
Acq: 10 Feb 2025 19:53

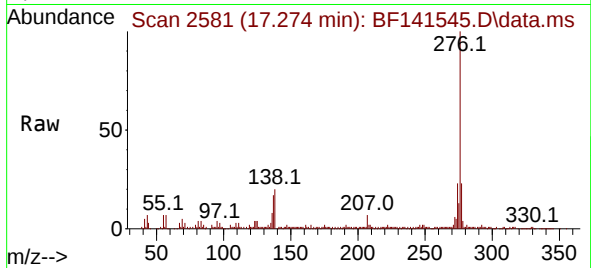
Tgt Ion:278 Resp: 28891
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6#
279 30.4 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 13.205 ng
 RT: 17.274 min Scan# 2581
 Delta R.T. -0.041 min
 Lab File: BF141545.D
 Acq: 10 Feb 2025 19:53

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825DL



Tgt Ion:276	Resp:	11712
Ion Ratio	Lower	Upper
276	100	
277	23.4	18.6 28.0
138	19.6	15.9 23.9

Manual Integrations
 APPROVED

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

