

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141515.D
 Acq On : 07 Feb 2025 18:35
 Operator : RC/JU
 Sample : Q1215-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 22:24:56 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	81240	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	314496	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	155473	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	227834	20.000	ng	0.00
76) Chrysene-d12	13.963	240	153947	20.000	ng	0.00
86) Perylene-d12	15.421	264	117798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	437233	84.376	ng	0.00
7) Phenol-d6	6.428	99	540841	82.576	ng	-0.01
23) Nitrobenzene-d5	7.351	82	358410	59.441	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	114571	73.358	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	627986	62.230	ng	0.00
79) Terphenyl-d14	12.904	244	513235	56.281	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	33072	2.020	ng	98
52) Acenaphthene	9.857	154	54280	6.090	ng	99
55) Dibenzofuran	10.028	168	42721	3.266	ng	# 96
58) Fluorene	10.375	166	54481	5.386	ng	98
71) Phenanthrene	11.339	178	783680	62.488	ng	100
72) Anthracene	11.392	178	192908	15.302	ng	100
73) Carbazole	11.545	167	49194	4.337	ng	99
75) Fluoranthene	12.533	202	1090339	82.004	ng	99
78) Pyrene	12.763	202	1066402	81.373	ng	98
81) Benzo(a)anthracene	13.951	228	500847	48.942	ng	98
83) Chrysene	13.986	228	405467	42.911	ng	96
87) Indeno(1,2,3-cd)pyrene	16.868	276	186317	25.598	ng	95
88) Benzo(b)fluoranthene	15.004	252	439019m	55.505	ng	
89) Benzo(k)fluoranthene	15.016	252	183089m	27.108	ng	
90) Benzo(a)pyrene	15.363	252	330090	51.575	ng	96
91) Dibenzo(a,h)anthracene	16.874	278	46575	7.897	ng	# 87
92) Benzo(g,h,i)perylene	17.304	276	186892	30.282	ng	98

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

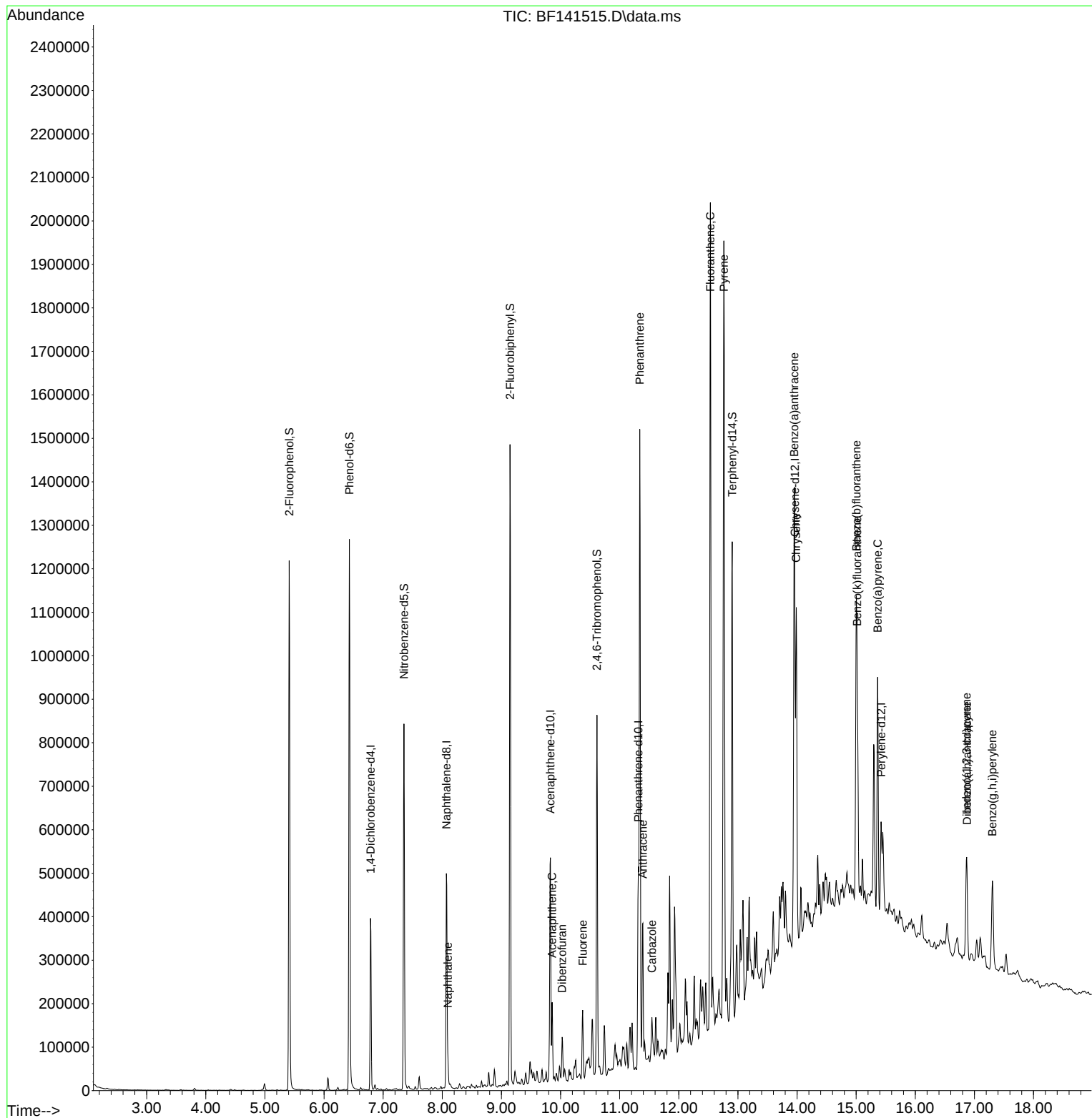
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141515.D
Acq On : 07 Feb 2025 18:35
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Sample : Q1215-07
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ALS Vial : 11 Sample Multiplier: 1

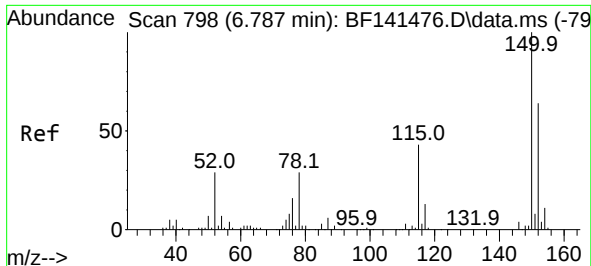
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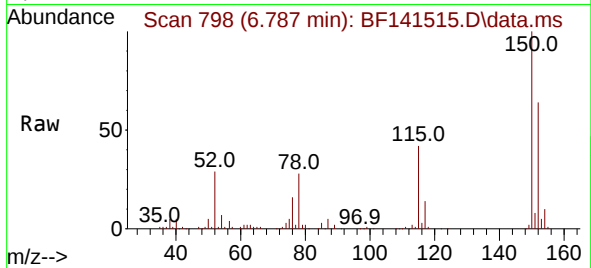
Quant Time: Feb 07 22:24:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

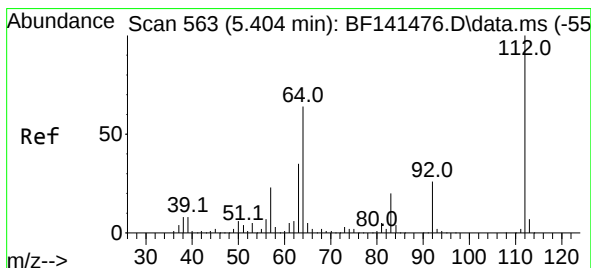
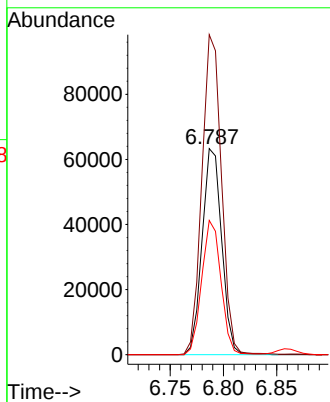
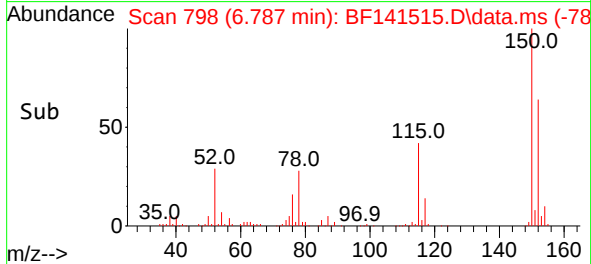
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ClientSampleId :
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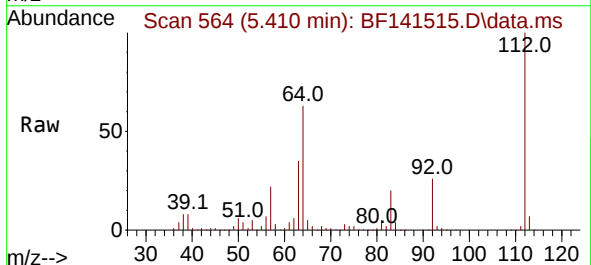
Tgt Ion:152 Resp: 81240
Ion Ratio Lower Upper
152 100
150 155.3 125.0 187.4
115 65.2 53.6 80.4

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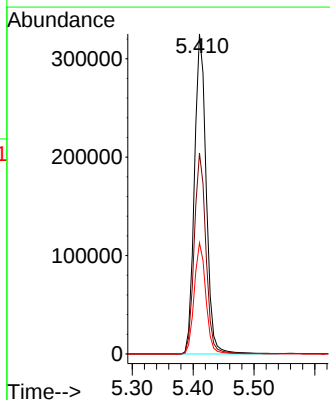
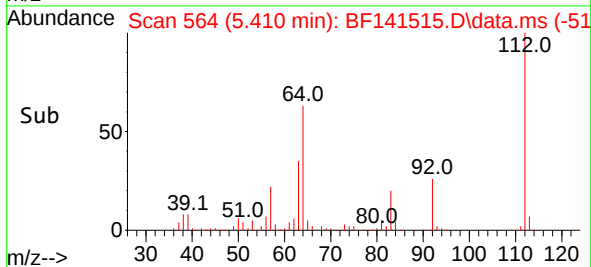
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#5
2-Fluorophenol
Concen: 84.376 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



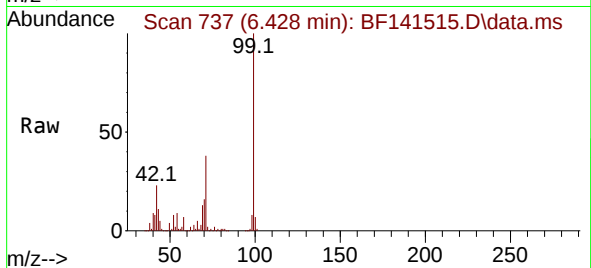
Tgt Ion:112 Resp: 437233
Ion Ratio Lower Upper
112 100
64 62.8 51.1 76.7
63 34.7 28.4 42.6





#7
Phenol-d6
Concen: 82.576 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

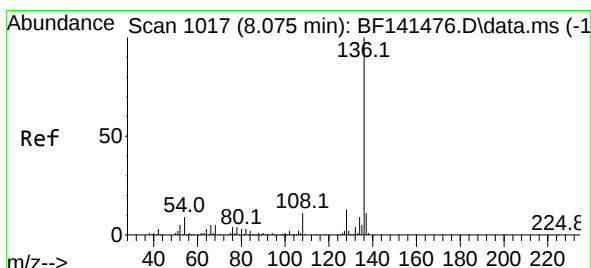
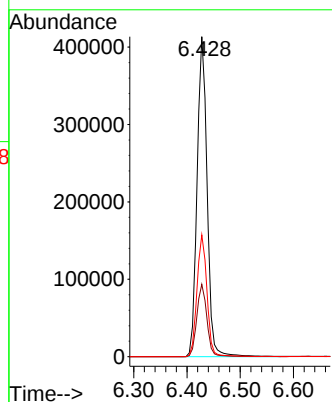
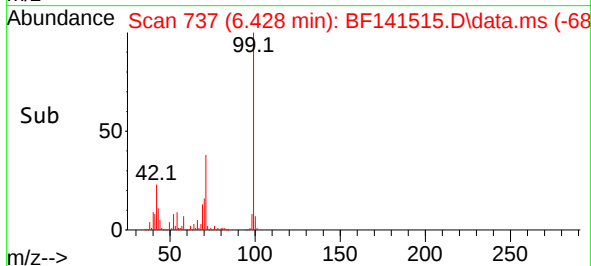
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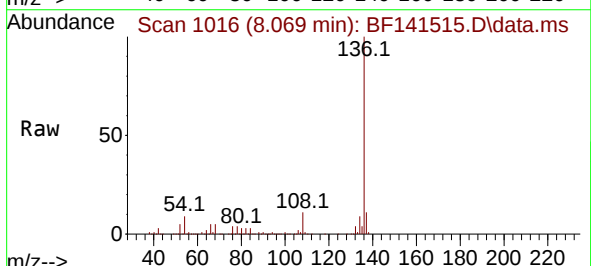
Tgt Ion: 99 Resp: 54084
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 38.0 31.1 46.7

Manual Integrations
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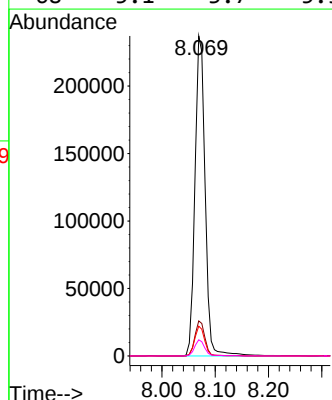
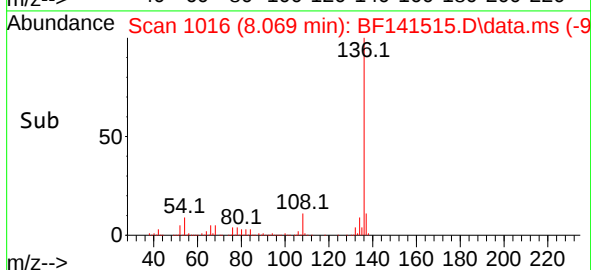
Reviewed By :Rahul Chavli 02/10/2025
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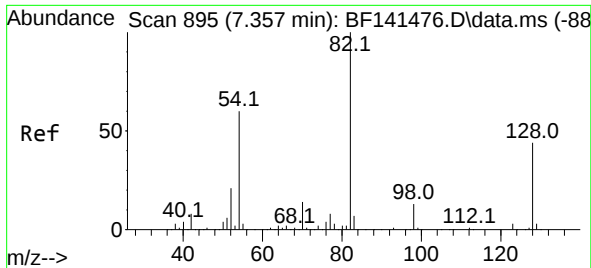


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



Tgt Ion:136 Resp: 314496
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.3 7.2 10.8
68 5.1 3.7 5.5





#23
Nitrobenzene-d5
Concen: 59.441 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

ClientSampleId :

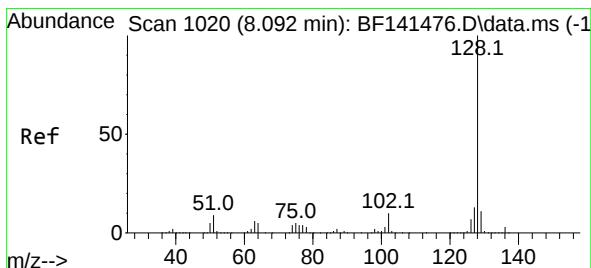
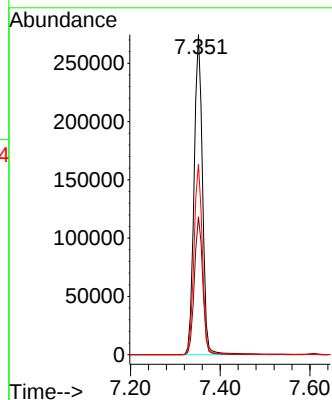
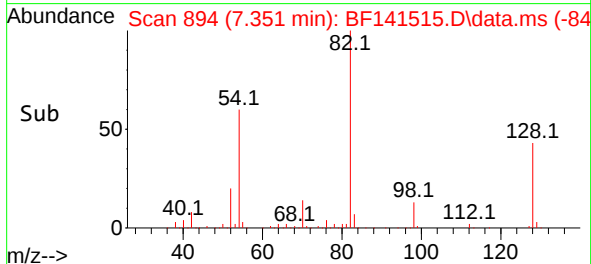
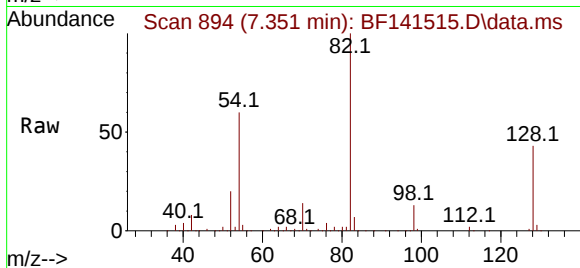
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Tgt Ion: 82 Resp: 358410
Ion Ratio Lower Upper
82 100
128 43.1 34.8 52.2
54 59.6 48.2 72.4

Manual Integrations

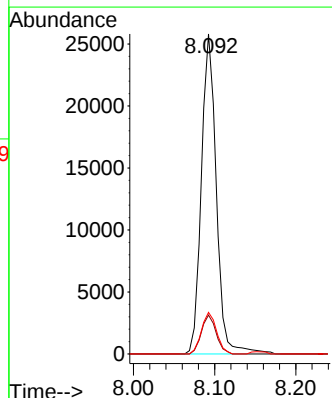
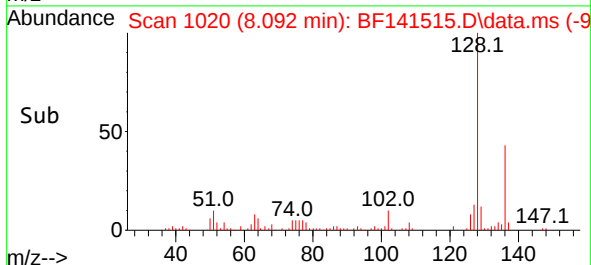
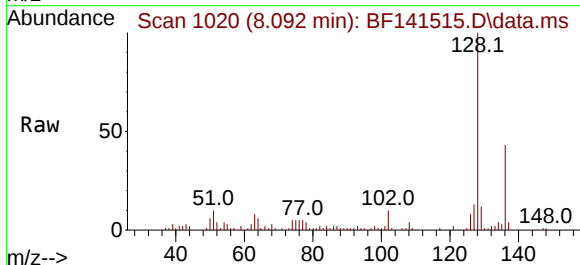
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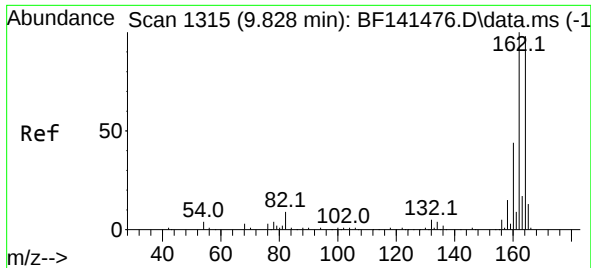
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#31
Naphthalene
Concen: 2.020 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141515.D
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Tgt Ion:128 Resp: 33072
Ion Ratio Lower Upper
128 100
129 12.1 8.9 13.3
127 13.0 10.7 16.1





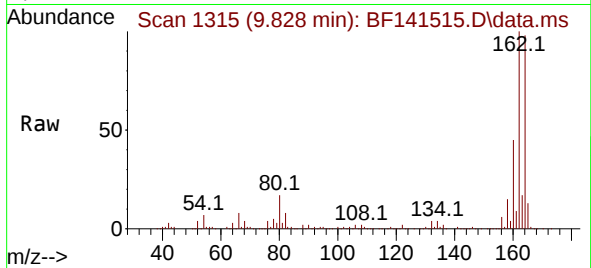
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

ClientSampleId :

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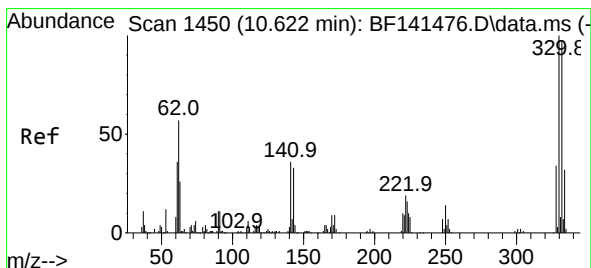
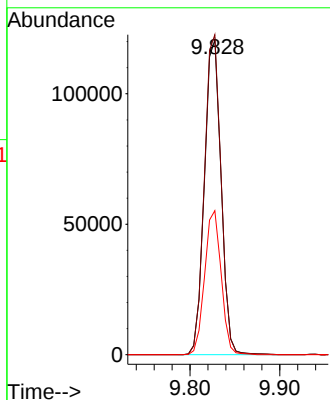
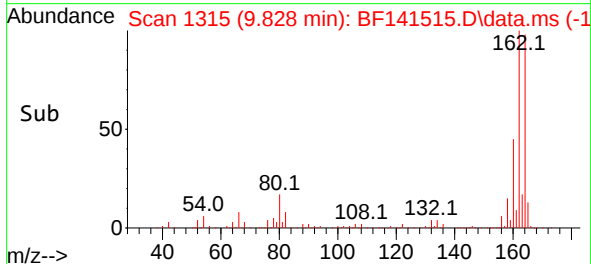
Tgt Ion:164 Resp: 15547
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 45.7 35.9 53.9

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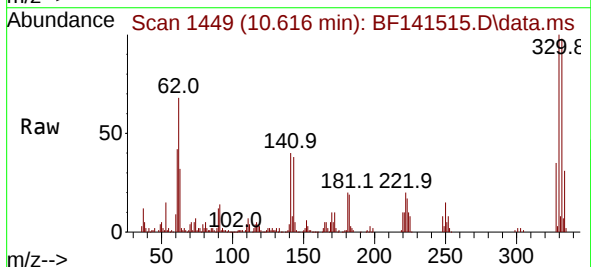
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Reviewed By :Rahul Chavli 02/10/2025

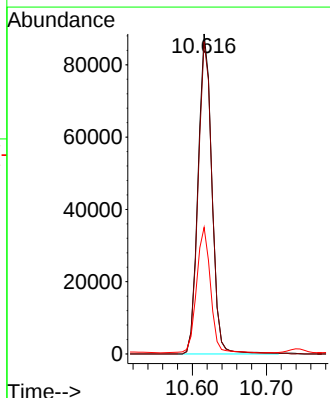
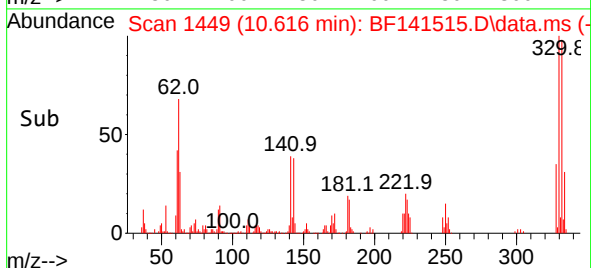
Supervised By :mohammad ahmed 02/12/2025

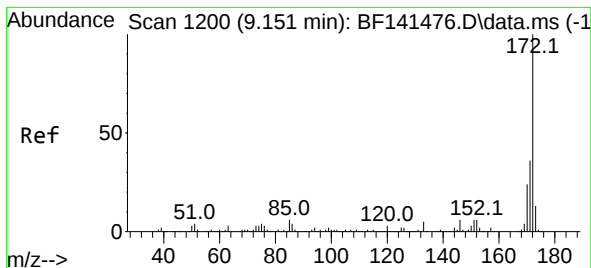


#42
2,4,6-Tribromophenol
Concen: 73.358 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



Tgt Ion:330 Resp: 114571
Ion Ratio Lower Upper
330 100
332 97.7 78.5 117.7
141 39.5 31.0 46.4





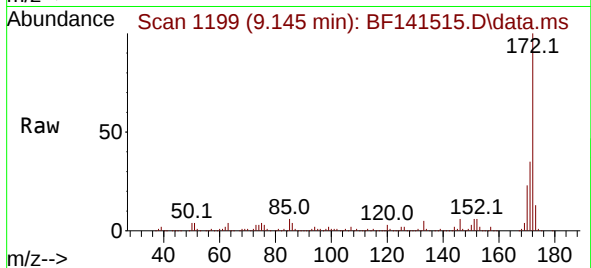
#45
2-Fluorobiphenyl
Concen: 62.230 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

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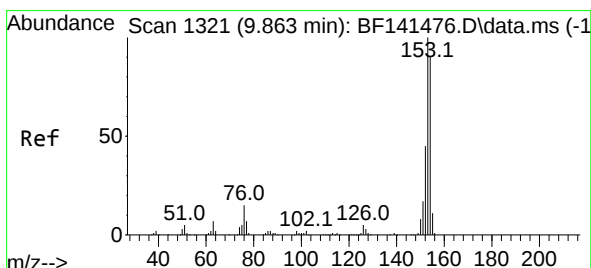
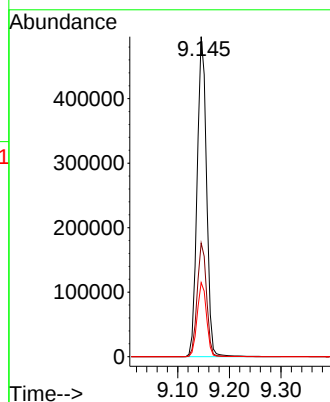
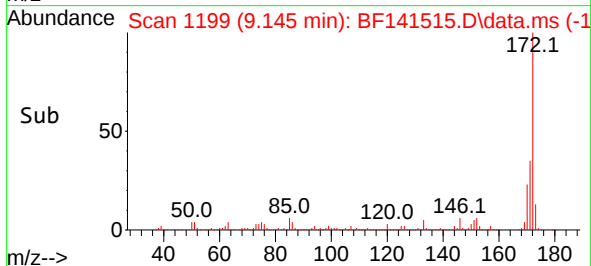


Tgt Ion:172 Resp: 627980
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.1 18.9 28.3

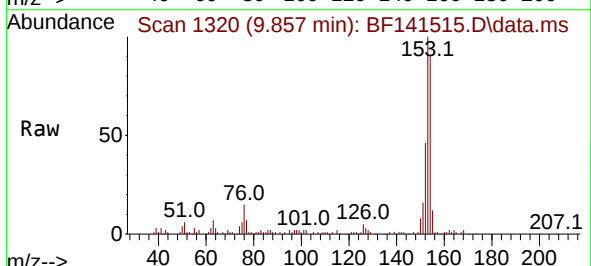
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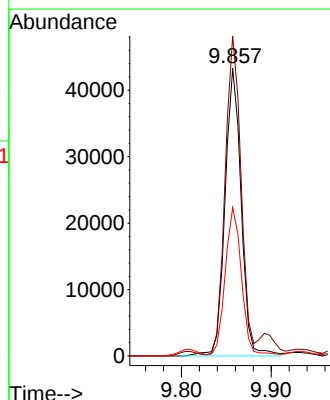
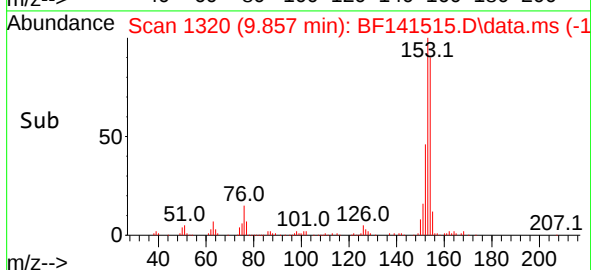
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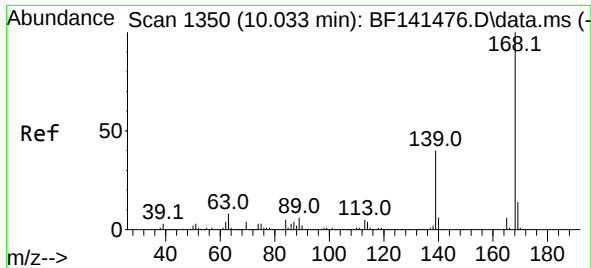


#52
Acenaphthene
Concen: 6.090 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



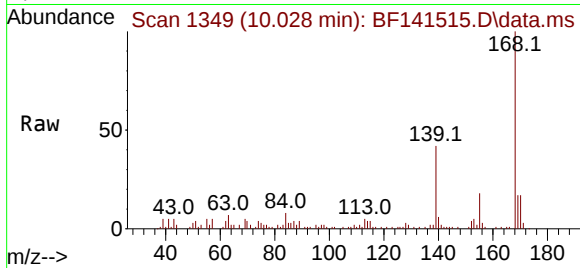
Tgt Ion:154 Resp: 54280
Ion Ratio Lower Upper
154 100
153 111.3 89.2 133.8
152 51.6 39.8 59.8





#55
Dibenzenofuran
Concen: 3.266 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

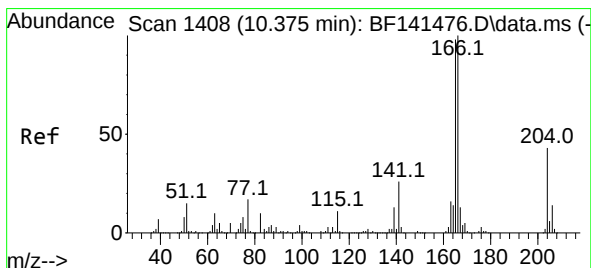
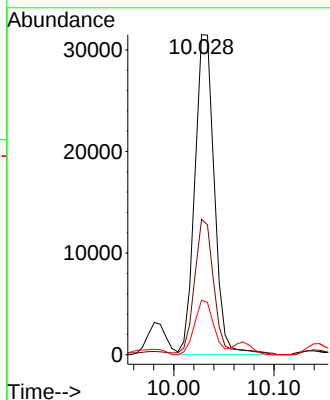
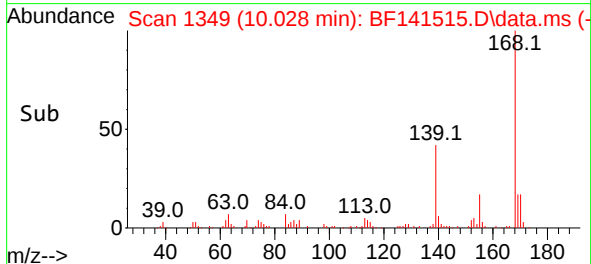
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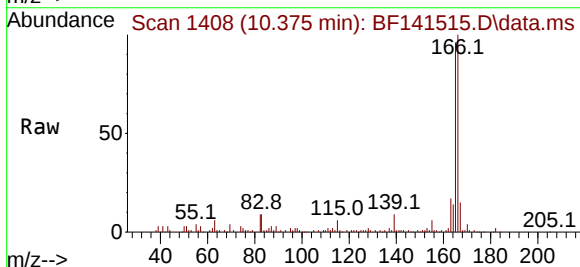
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Ion Ratio Lower Upper
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139 42.3 32.7 49.1
169 17.0 10.8 16.2

Manual Integrations
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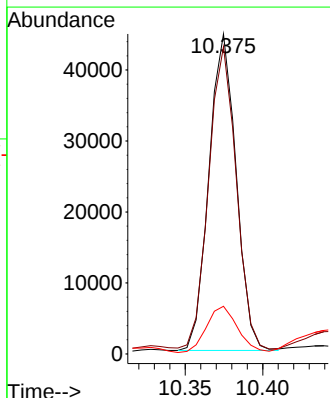
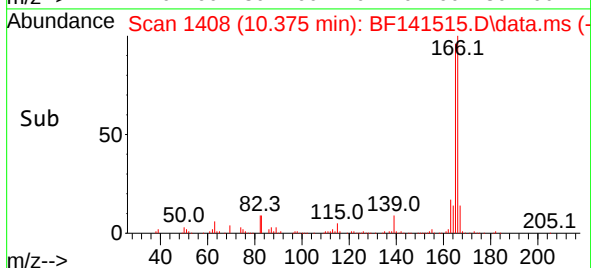
Reviewed By :Rahul Chavli 02/10/2025
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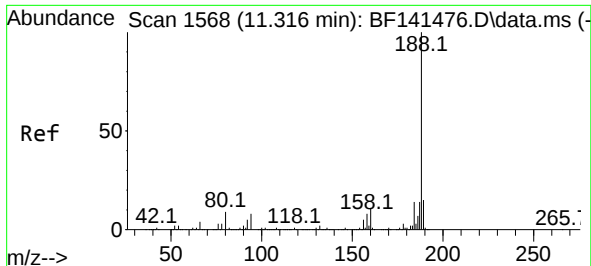


#58
Fluorene
Concen: 5.386 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



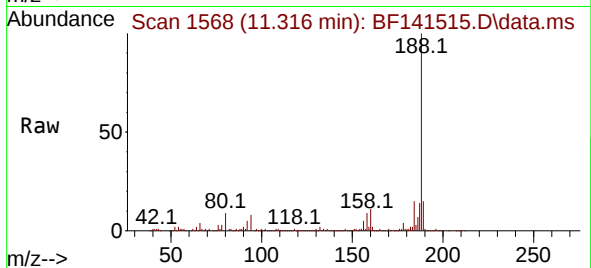
Tgt Ion:166 Resp: 54481
Ion Ratio Lower Upper
166 100
165 96.0 78.2 117.2
167 14.9 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

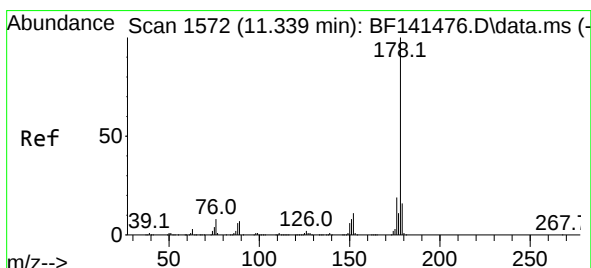
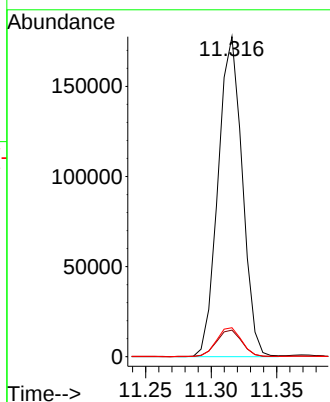
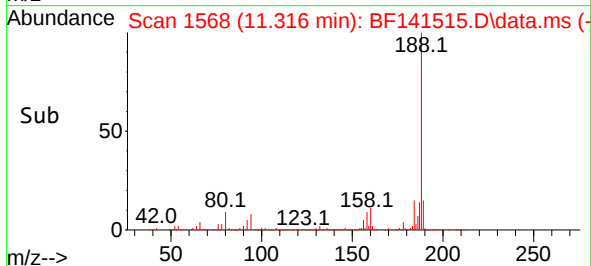
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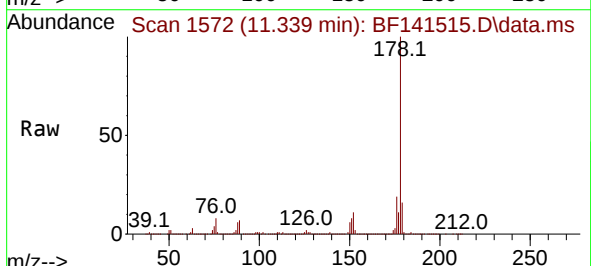
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Ion Ratio Lower Upper
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94 8.3 6.6 10.0
80 9.1 7.3 10.9

Manual Integrations
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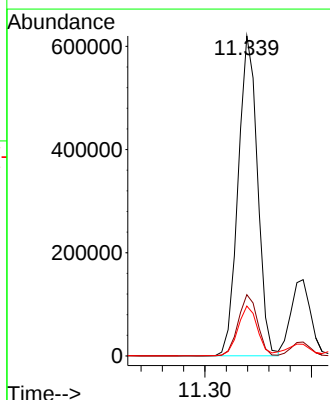
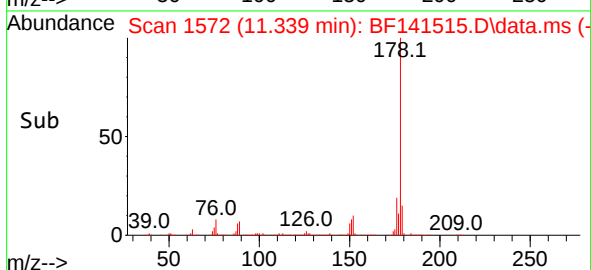
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

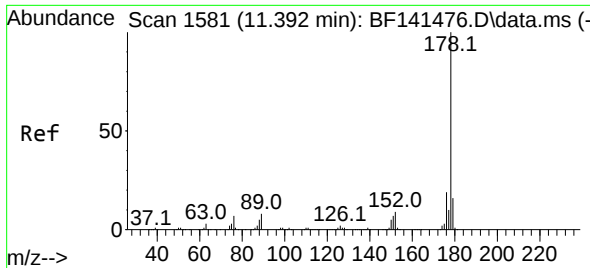


#71
Phenanthrene
Concen: 62.488 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35



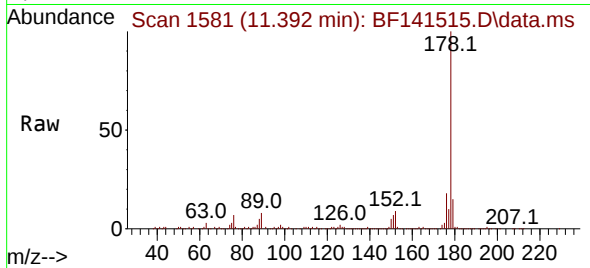
Tgt Ion:178 Resp: 783680
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.6 12.4 18.6





#72
 Anthracene
 Concen: 15.302 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141515.D
 Acq: 07 Feb 2025 18:35

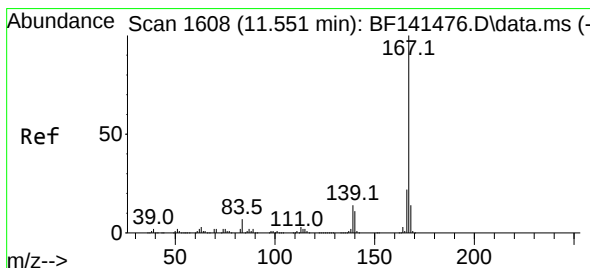
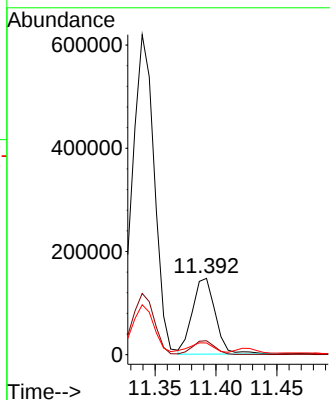
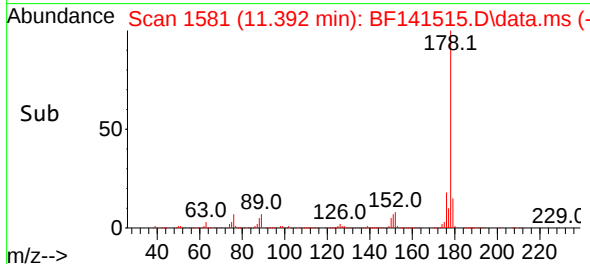
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825



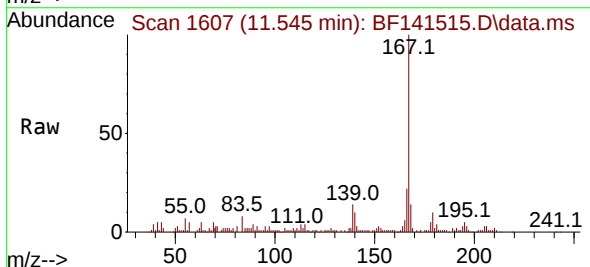
Tgt Ion:178 Resp: 192908
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 15.2 12.4 18.6

Manual Integrations
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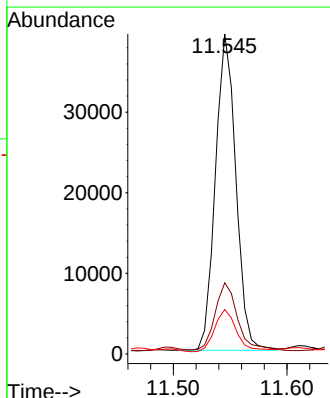
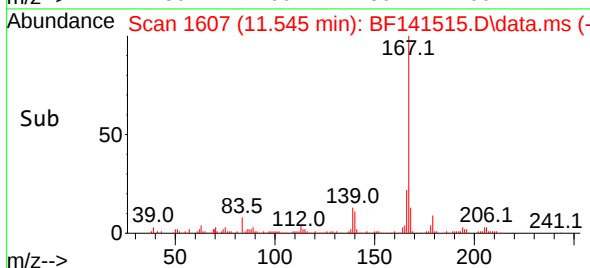
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

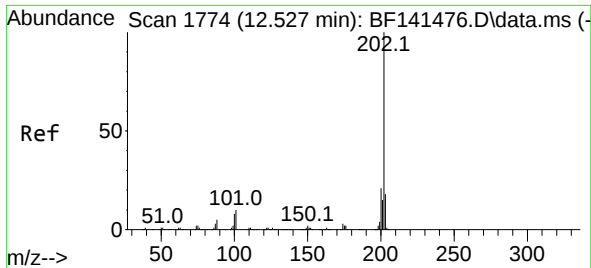


#73
 Carbazole
 Concen: 4.337 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF141515.D
 Acq: 07 Feb 2025 18:35



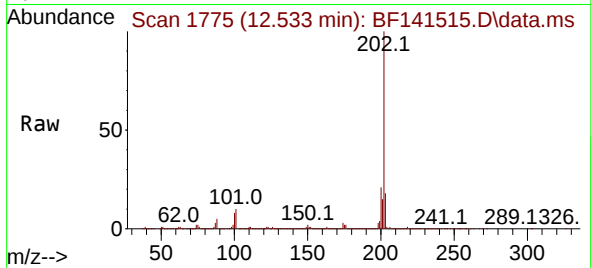
Tgt Ion:167 Resp: 49194
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.4 26.2
 139 13.9 10.9 16.3





#75
Fluoranthene
Concen: 82.004 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

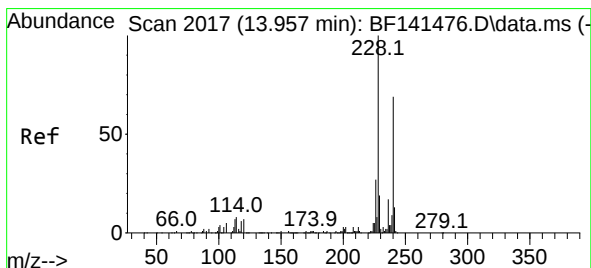
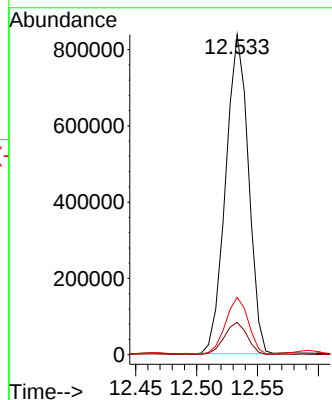
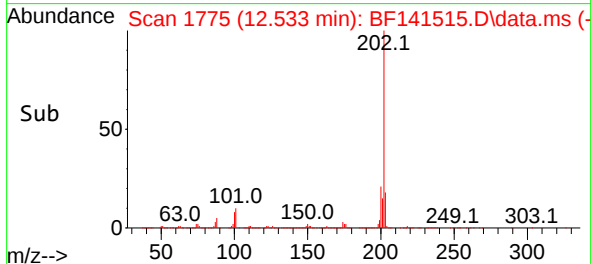
Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825



Tgt Ion:202 Resp: 1090339
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.9 0.0 37.6

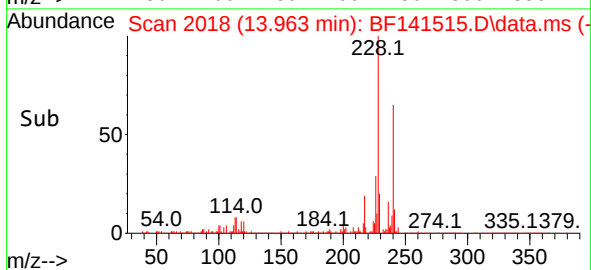
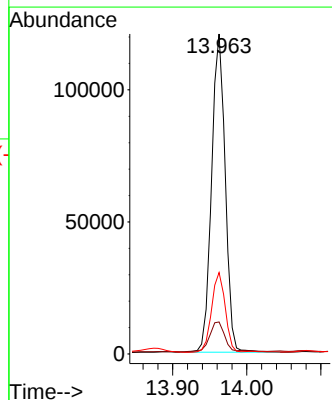
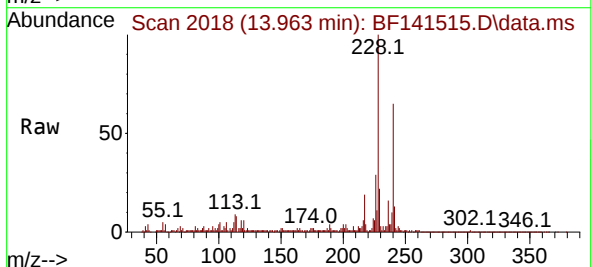
Manual Integrations
APPROVED

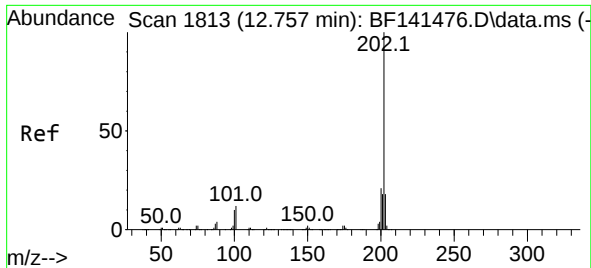
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

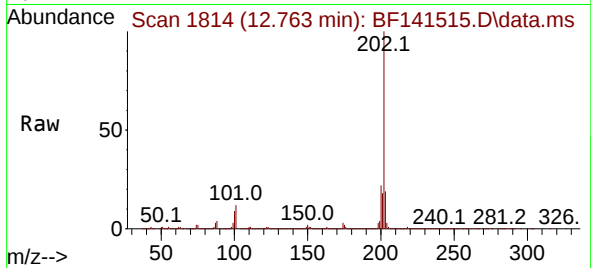
Tgt Ion:240 Resp: 153947
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.4 19.8 29.8





#78
 Pyrene
 Concen: 81.373 ng
 RT: 12.763 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: BF141515.D
 Acq: 07 Feb 2025 18:35

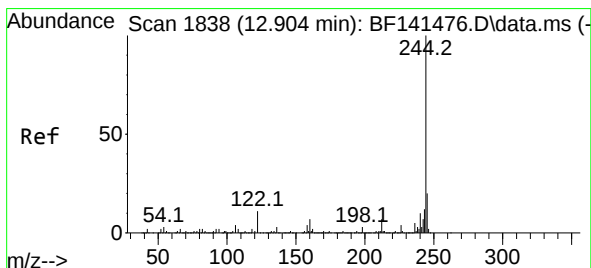
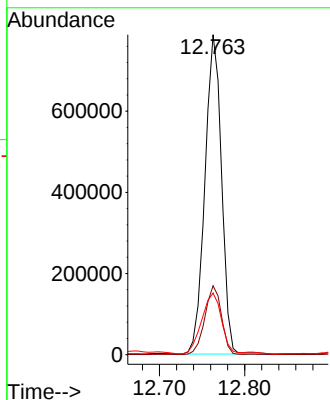
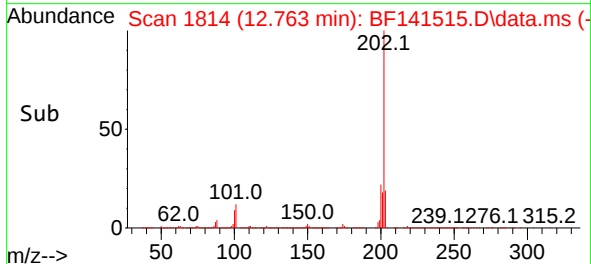
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.2-012825



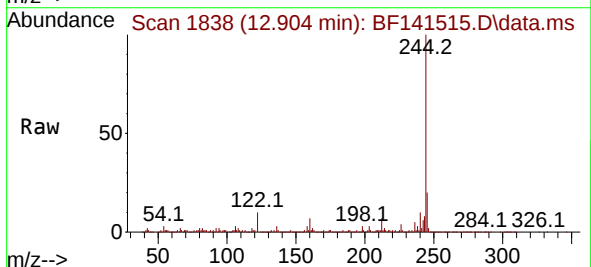
Tgt Ion:202 Resp: 106640
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.0 25.4
 203 19.3 14.3 21.5

Manual Integrations
 APPROVED

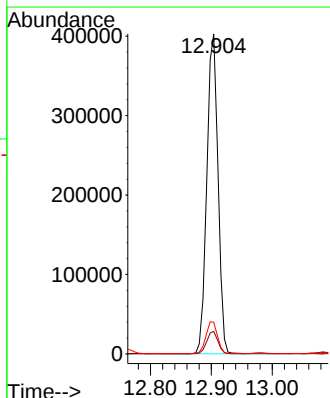
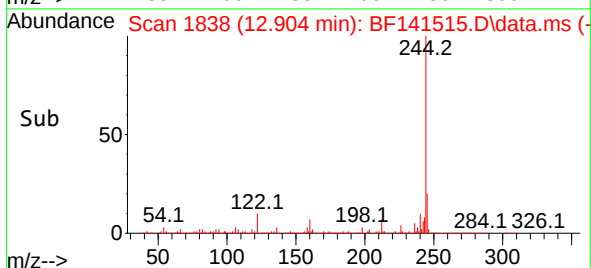
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

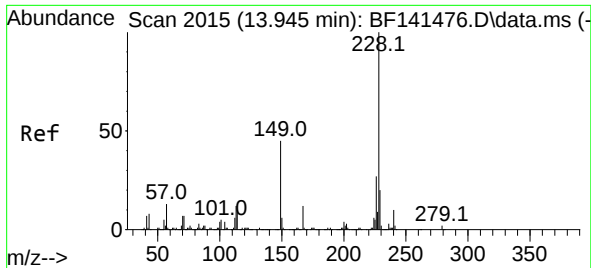


#79
 Terphenyl-d14
 Concen: 56.281 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF141515.D
 Acq: 07 Feb 2025 18:35



Tgt Ion:244 Resp: 513235
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 9.9 8.4 12.6





#81
Benzo(a)anthracene
Concen: 48.942 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

ClientSampleId :

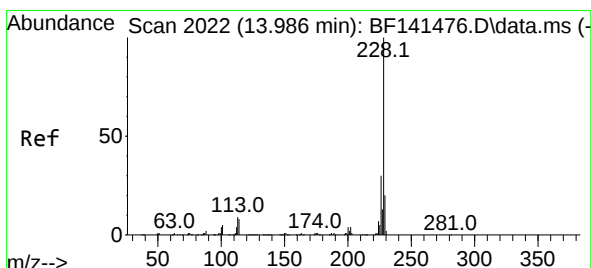
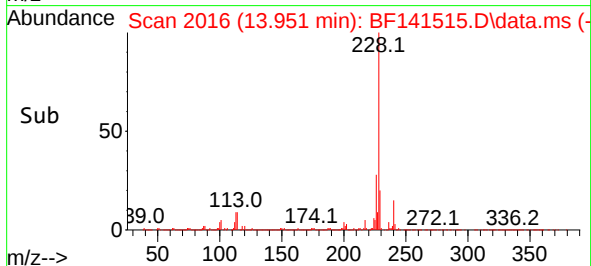
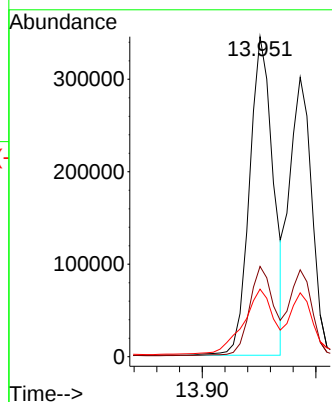
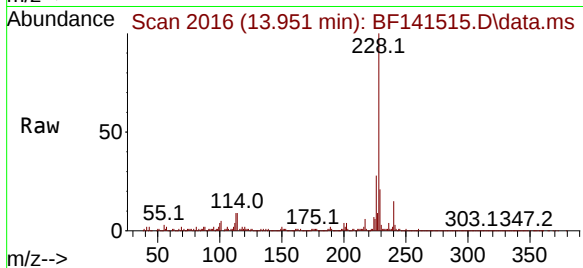
JPP-29.2-012825

Tgt Ion:228 Resp: 50084
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 21.1 15.8 23.6

Manual Integrations

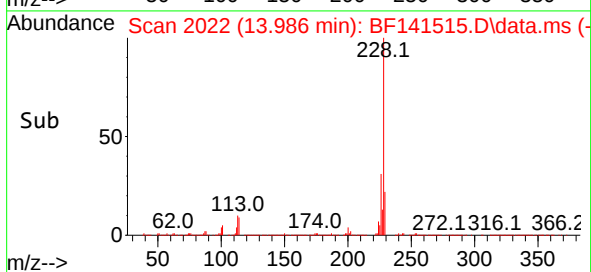
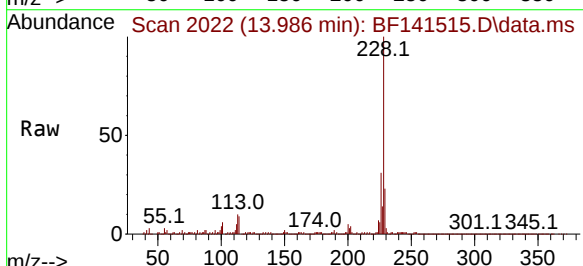
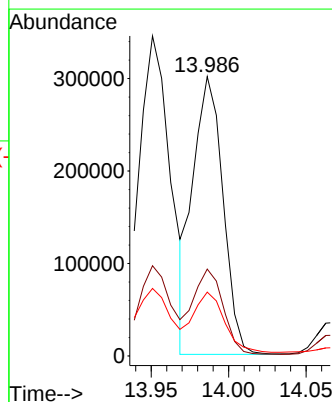
APPROVED

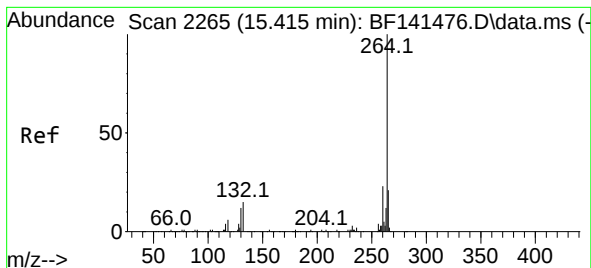
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#83
Chrysene
Concen: 42.911 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Tgt Ion:228 Resp: 405467
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 22.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BF141515.D

Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825

Tgt Ion:264 Resp: 117798

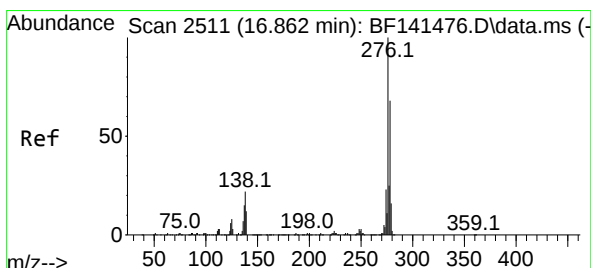
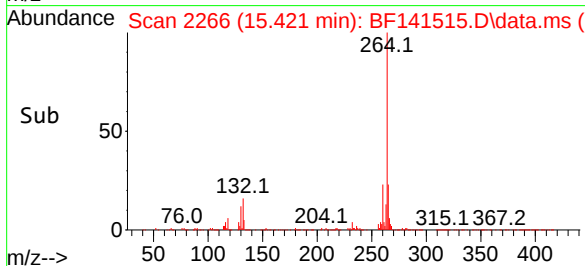
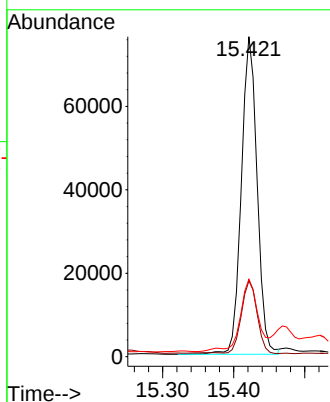
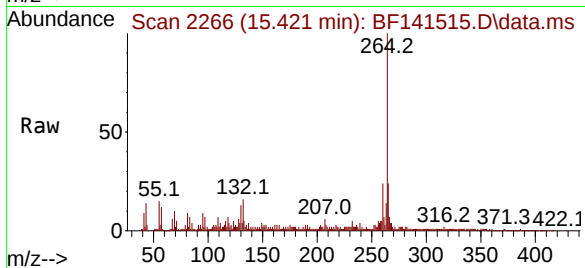
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	24.2	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 25.598 ng

RT: 16.868 min Scan# 2512

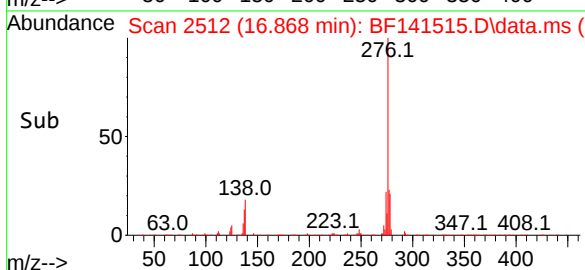
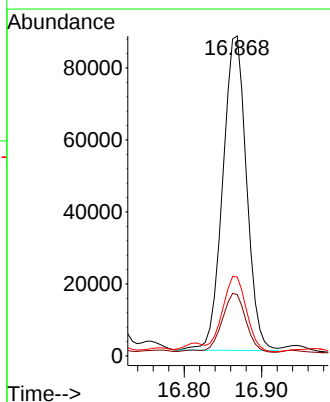
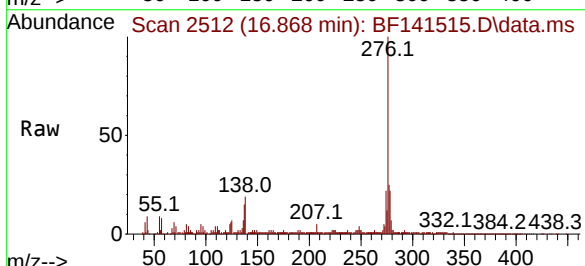
Delta R.T. -0.006 min

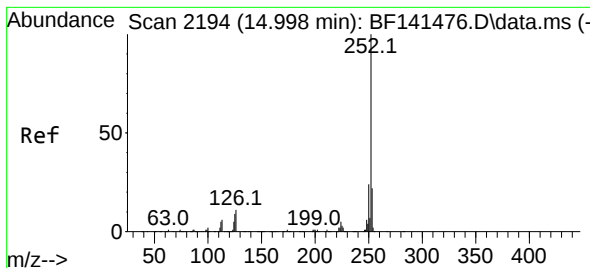
Lab File: BF141515.D

Acq: 07 Feb 2025 18:35

Tgt Ion:276 Resp: 186317

Ion	Ratio	Lower	Upper
276	100		
138	18.6	18.0	27.0
277	24.1	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 55.505 ng m

RT: 15.004 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF141515.D

Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825

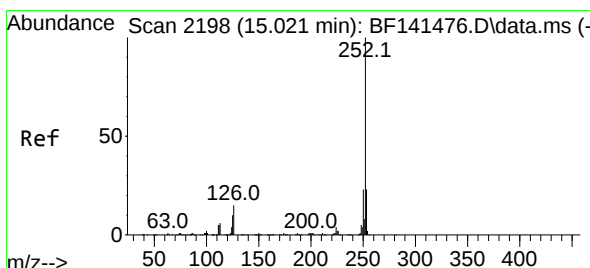
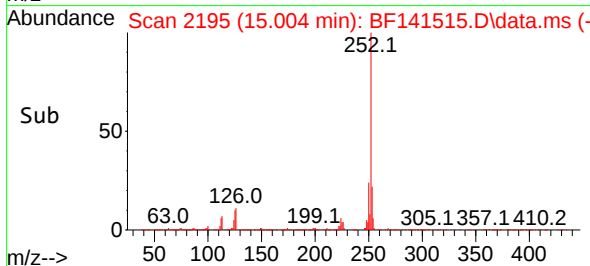
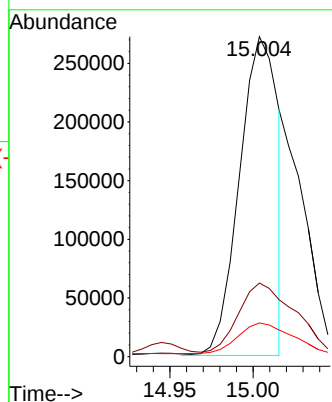
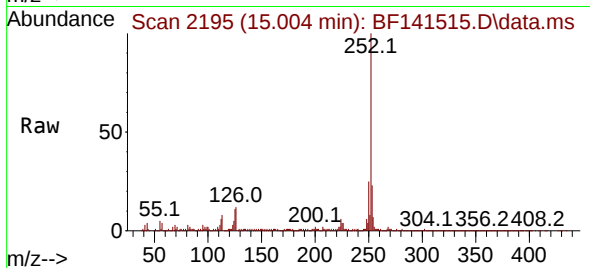
Tgt Ion:252 Resp: 439019
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 10.5 7.0 10.6

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#89

Benzo(k)fluoranthene

Concen: 27.108 ng m

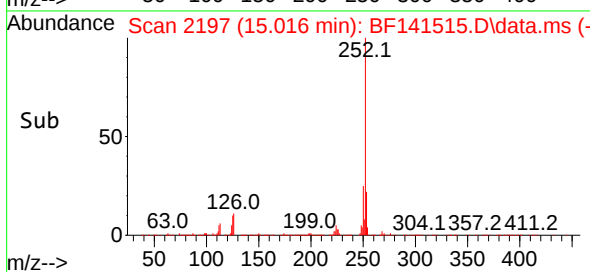
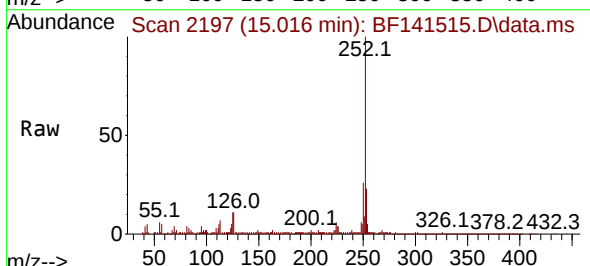
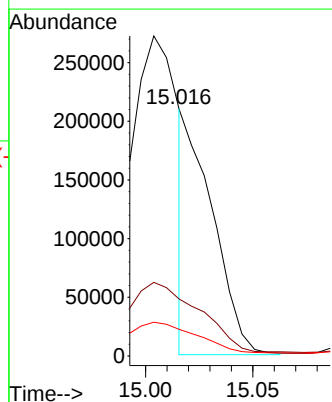
RT: 15.016 min Scan# 2197

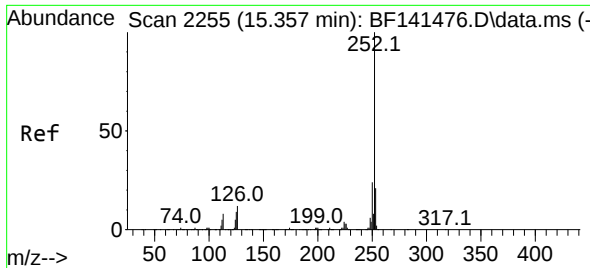
Delta R.T. -0.017 min

Lab File: BF141515.D

Acq: 07 Feb 2025 18:35

Tgt Ion:252 Resp: 183089
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.0 27.0
 125 10.8 7.4 11.0





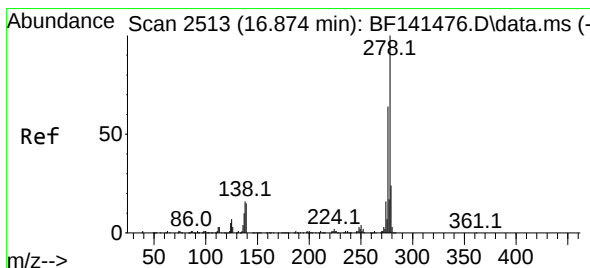
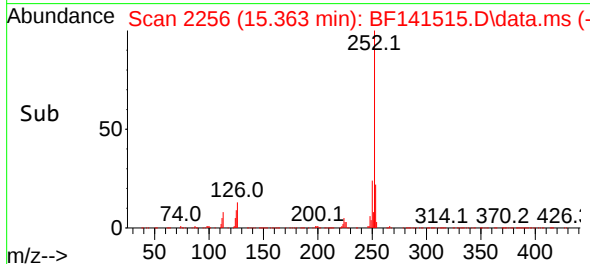
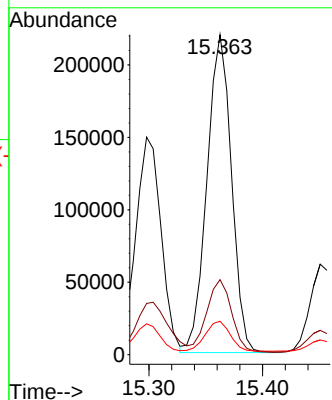
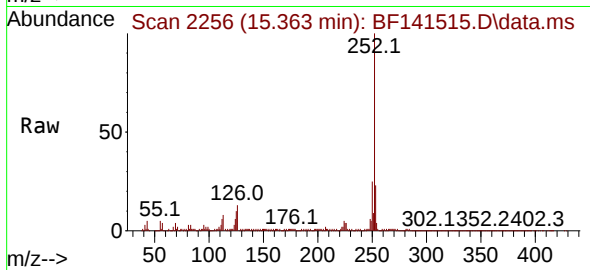
#90
Benzo(a)pyrene
Concen: 51.575 ng
RT: 15.363 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Instrument :
BNA_F
ClientSampleId :
JPP-29.2-012825

Tgt Ion:252 Resp: 330090
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 10.5 7.4 11.2

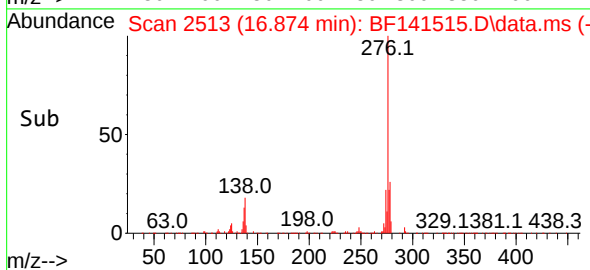
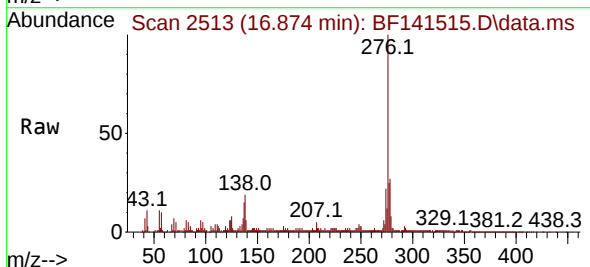
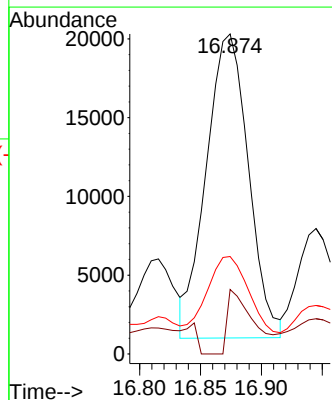
Manual Integrations
APPROVED

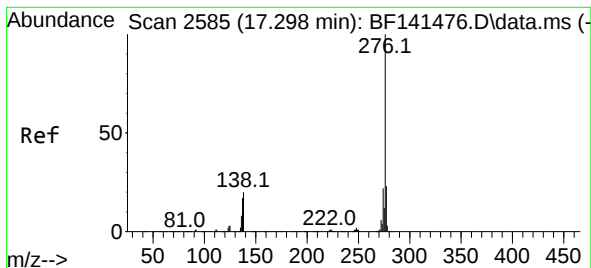
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 7.897 ng
RT: 16.874 min Scan# 2513
Delta R.T. -0.017 min
Lab File: BF141515.D
Acq: 07 Feb 2025 18:35

Tgt Ion:278 Resp: 46575
Ion Ratio Lower Upper
278 100
139 20.1 11.8 17.6#
279 30.4 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 30.282 ng

RT: 17.304 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141515.D

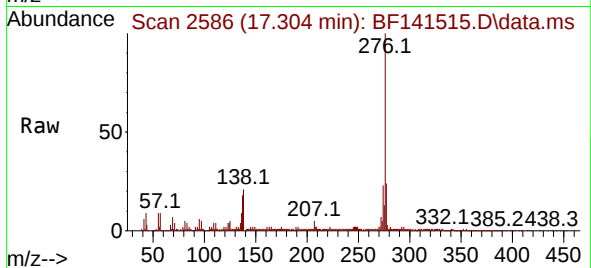
Acq: 07 Feb 2025 18:35

Instrument :

BNA_F

ClientSampleId :

JPP-29.2-012825



Tgt Ion:276 Resp: 186892

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 21.2 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025

