

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141462.D
 Acq On : 05 Feb 2025 21:57
 Operator : RC/JU
 Sample : Q1207-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-2.1-012725

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:49:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70299	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	262308	20.000	ng	#-0.02
39) Acenaphthene-d10	9.828	164	119422	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	175054	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	157036	20.000	ng	-0.02
86) Perylene-d12	15.410	264	119629	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	345337	75.415	ng	0.00
7) Phenol-d6	6.428	99	419566	72.025	ng	-0.01
23) Nitrobenzene-d5	7.351	82	273058	54.877	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	80144	73.203	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	418789	53.976	ng	-0.02
79) Terphenyl-d14	12.898	244	353865	34.752	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	209995	22.316	ng	99
72) Anthracene	11.386	178	59171	6.418	ng	99
75) Fluoranthene	12.527	202	450453	48.482	ng	98
78) Pyrene	12.757	202	400090	26.542	ng	99
81) Benzo(a)anthracene	13.945	228	226161	20.871	ng	97
83) Chrysene	13.980	228	173906	17.511	ng	97
87) Indeno(1,2,3-cd)pyrene	16.845	276	45120	5.844	ng	# 92
88) Benzo(b)fluoranthene	14.992	252	166931m	22.184	ng	
89) Benzo(k)fluoranthene	15.010	252	56319m	8.448	ng	
90) Benzo(a)pyrene	15.351	252	110626	17.397	ng	97
92) Benzo(g,h,i)perylene	17.280	276	39009	6.039	ng	95

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

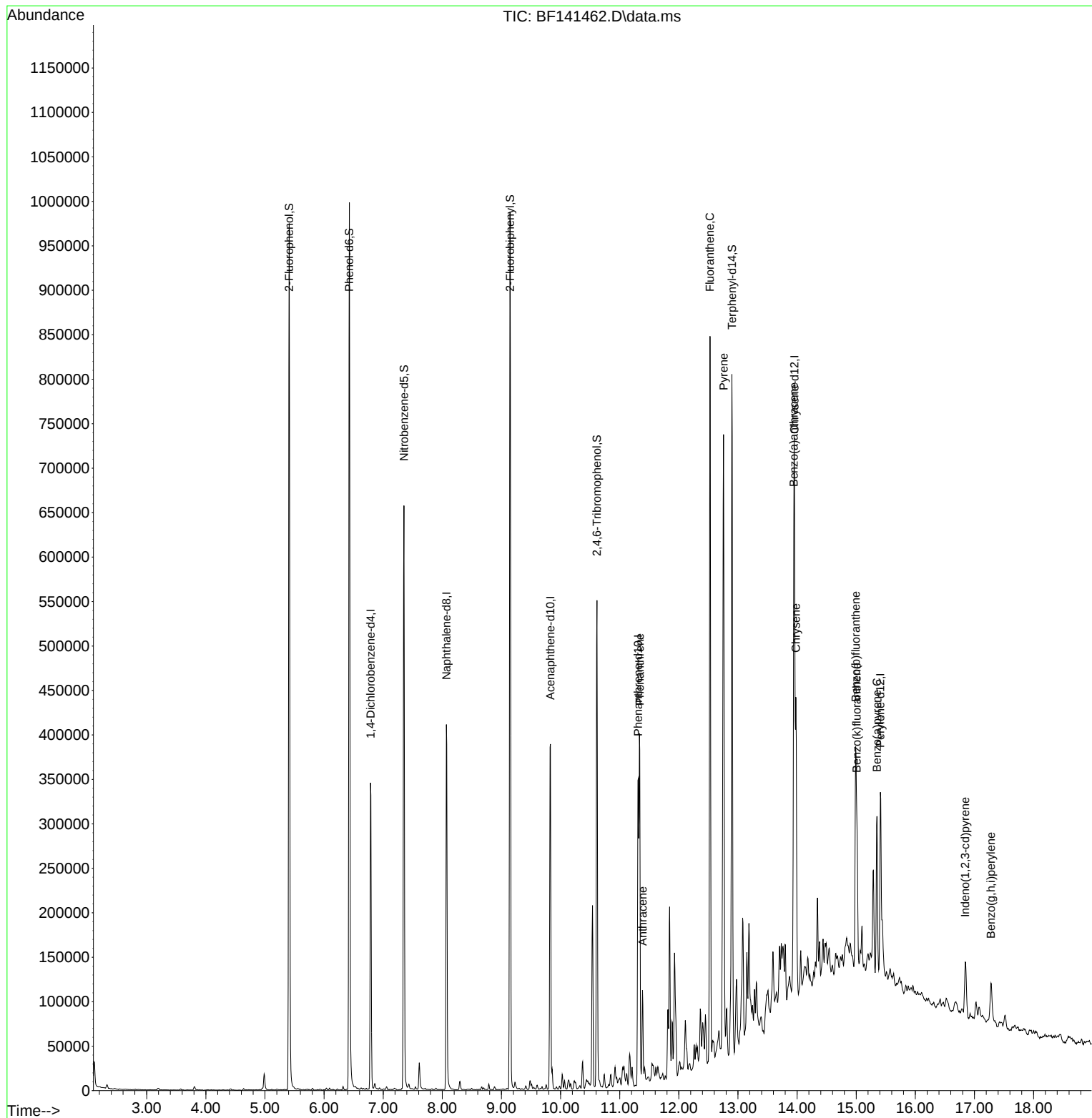
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
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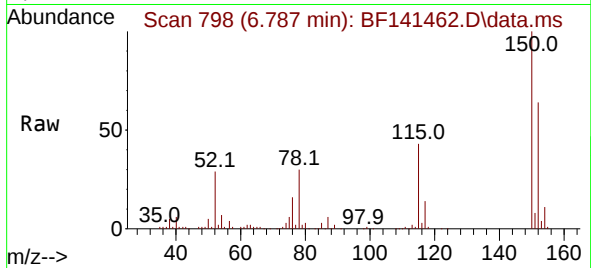
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 70
 Delta R.T. -0.017 min
 Lab File: BF141462.D
 Acq: 05 Feb 2025 21:57

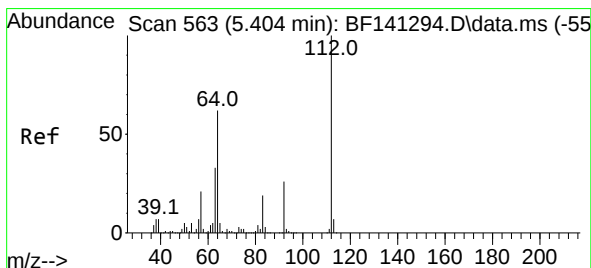
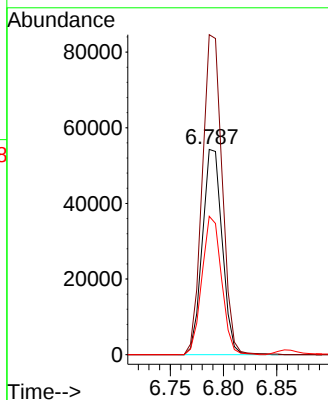
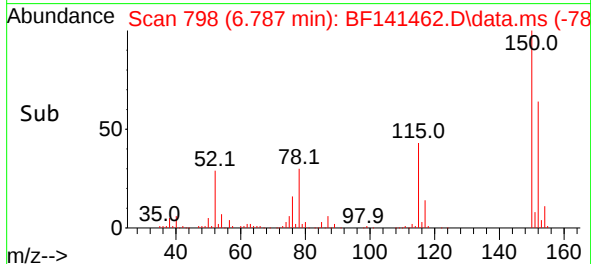
Instrument :
 BNA_F
 ClientSampleId :
 JPP-2.1-012725



Tgt Ion:152 Resp: 70299
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.9 188.9
 115 67.4 49.7 74.5

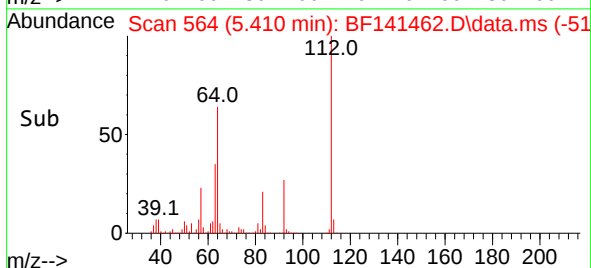
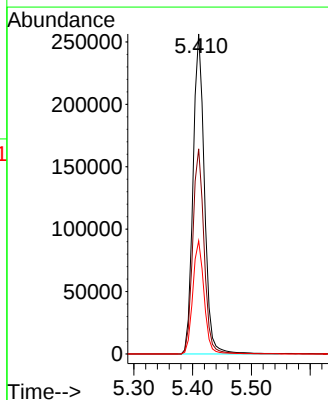
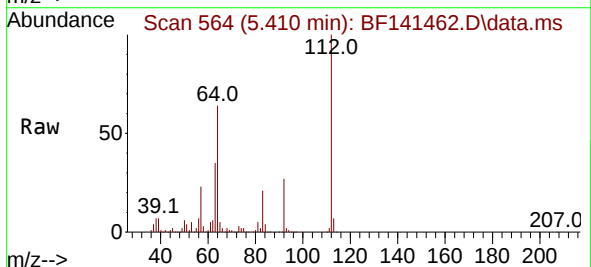
Manual Integrations
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#5
 2-Fluorophenol
 Concen: 75.415 ng
 RT: 5.410 min Scan# 564
 Delta R.T. -0.000 min
 Lab File: BF141462.D
 Acq: 05 Feb 2025 21:57

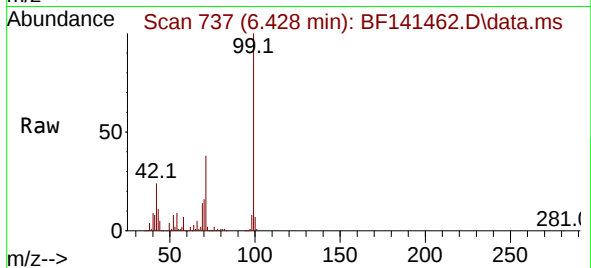
Tgt Ion:112 Resp: 345337
 Ion Ratio Lower Upper
 112 100
 64 64.1 49.8 74.8
 63 35.3 26.1 39.1





#7
Phenol-d6
Concen: 72.025 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

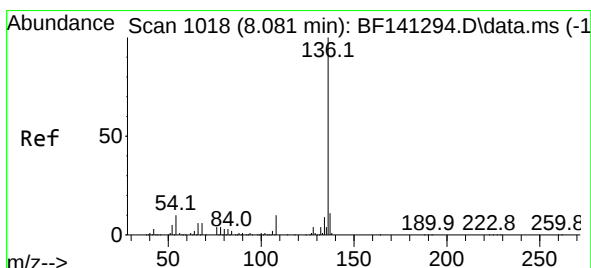
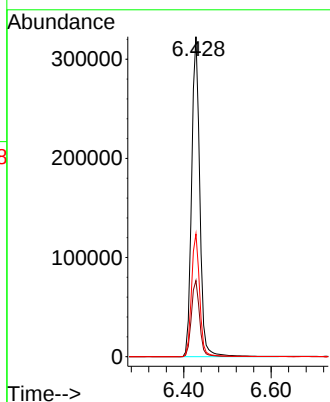
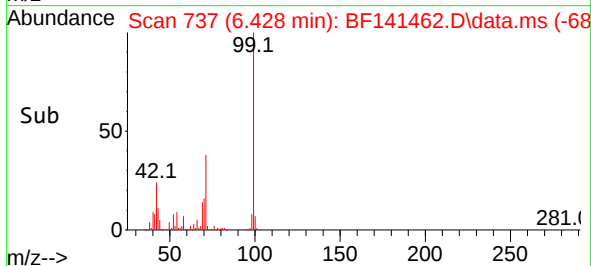
Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725



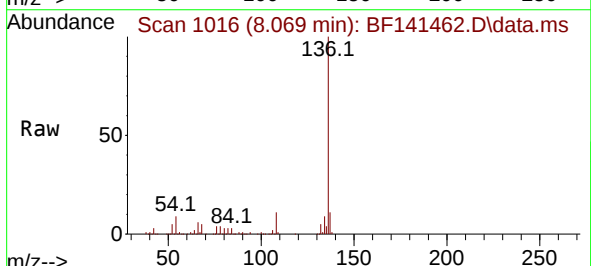
Tgt Ion: 99 Resp: 419560
Ion Ratio Lower Upper
99 100
42 23.8 17.1 25.7
71 38.4 26.9 40.3

Manual Integrations
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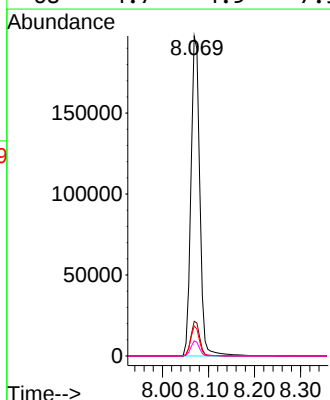
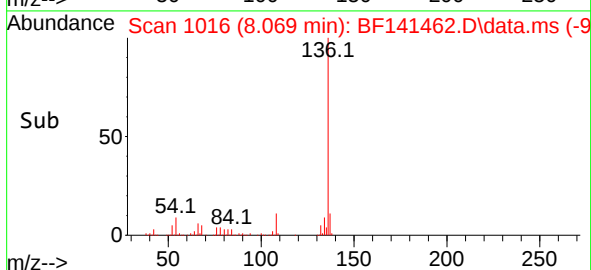
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

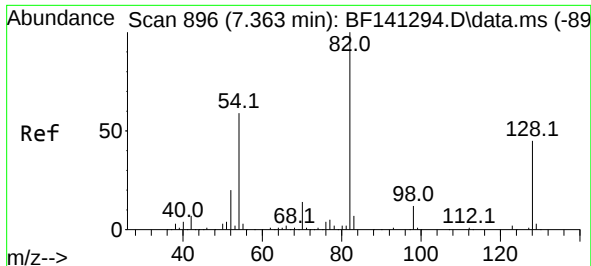


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57



Tgt Ion:136 Resp: 262308
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.3 7.8 11.8
68 4.7 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 54.877 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

Tgt Ion: 82 Resp: 27305

Ion Ratio Lower Upper

82 100

128 43.4 35.7 53.5

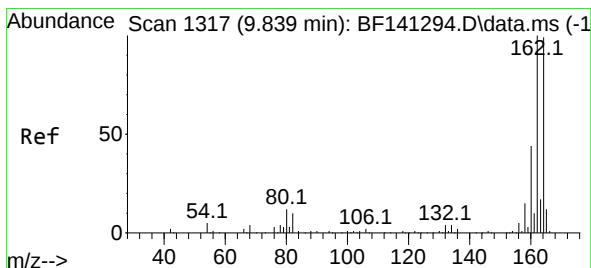
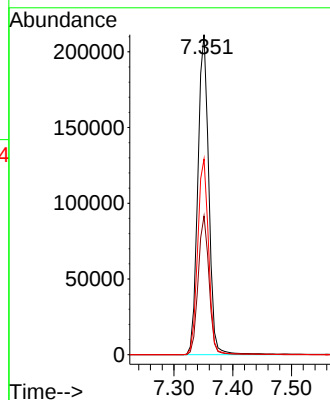
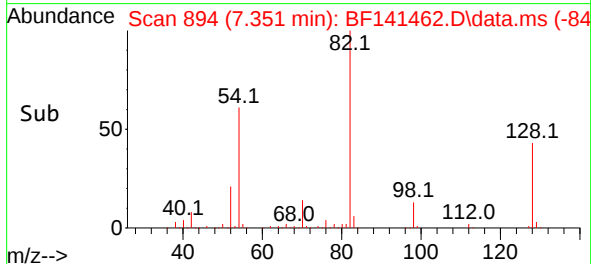
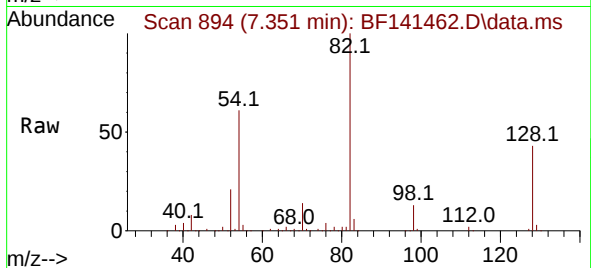
54 61.2 47.1 70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

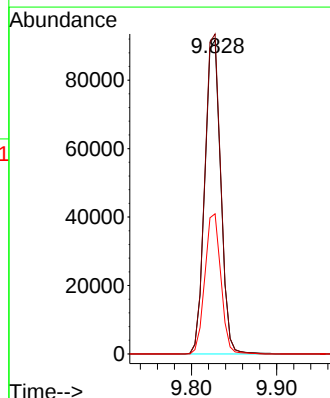
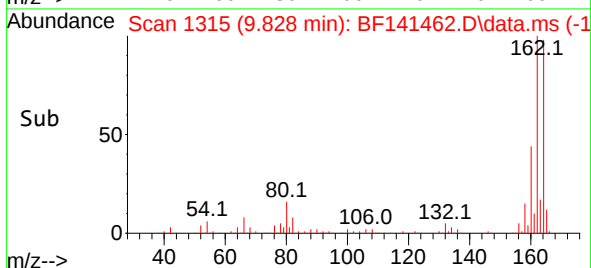
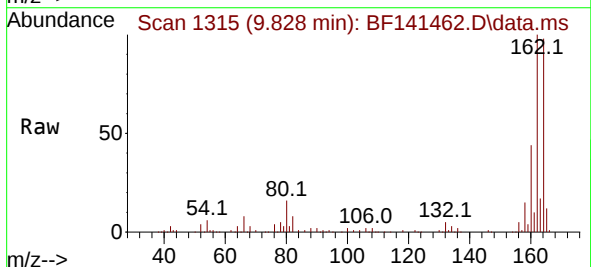
Tgt Ion:164 Resp: 119422

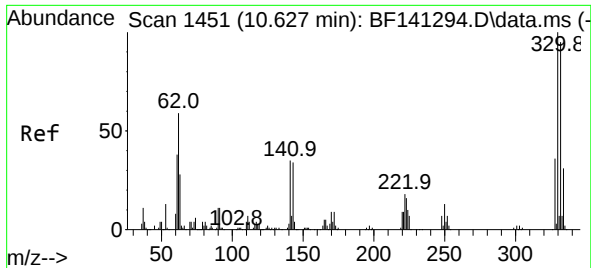
Ion Ratio Lower Upper

164 100

162 102.0 80.6 121.0

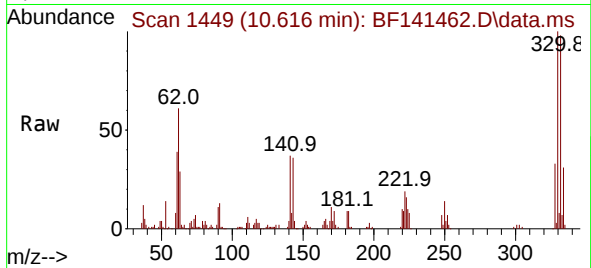
160 44.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 73.203 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

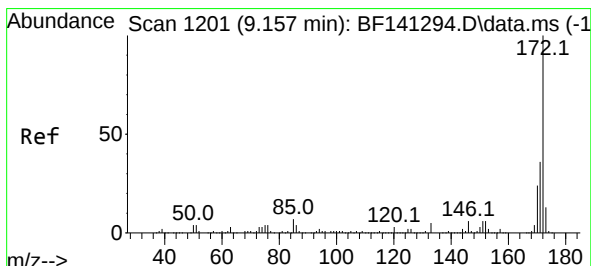
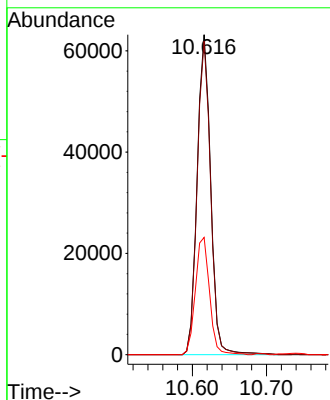
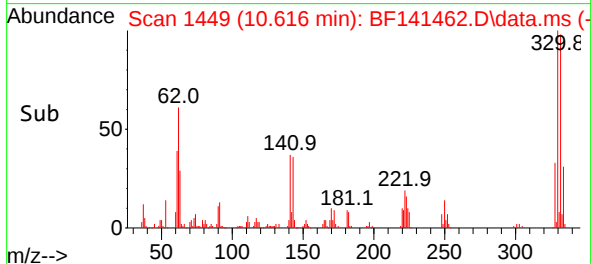
Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725



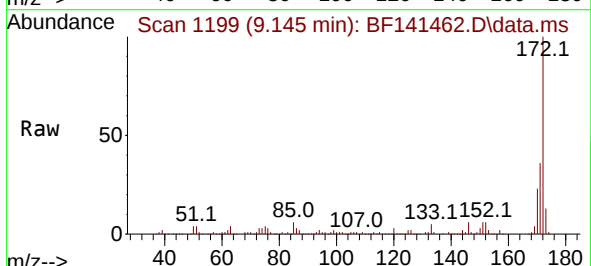
Tgt Ion: 330 Resp: 80144
Ion Ratio Lower Upper
330 100
332 97.5 76.1 114.1
141 38.4 28.8 43.2

Manual Integrations
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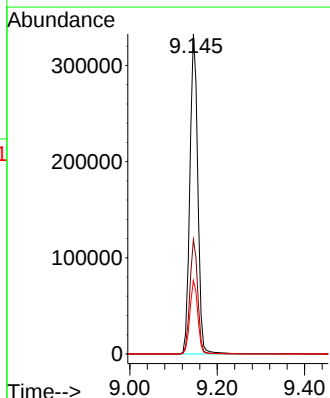
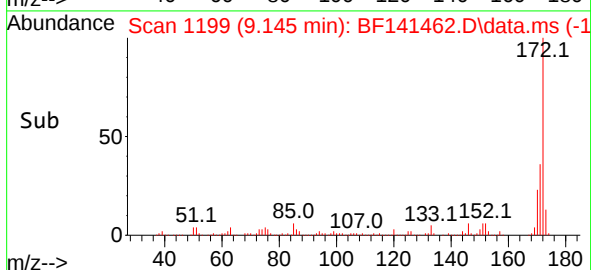
Reviewed By : Yogesh Patel 02/06/2025
Supervised By : mohammad ahmed 02/06/2025

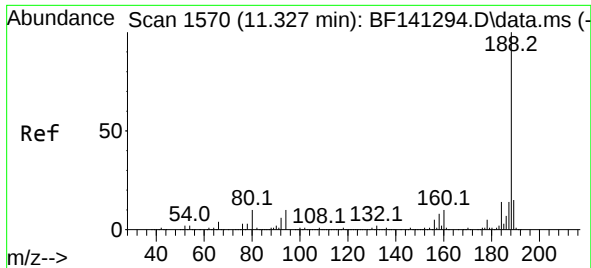


#45
2-Fluorobiphenyl
Concen: 53.976 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57



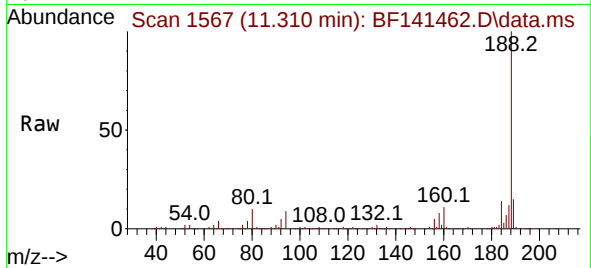
Tgt Ion: 172 Resp: 418789
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 22.9 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

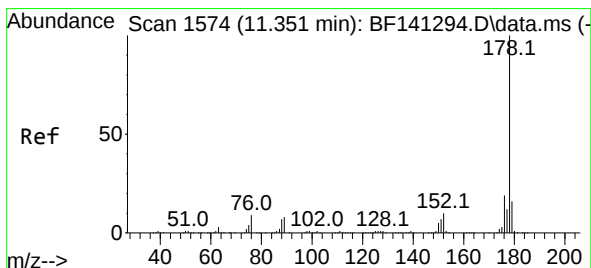
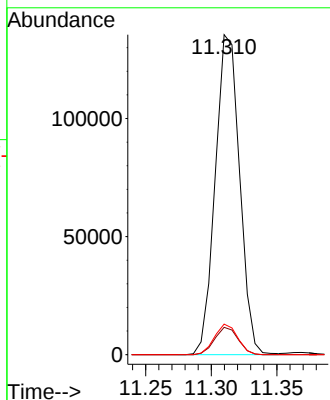
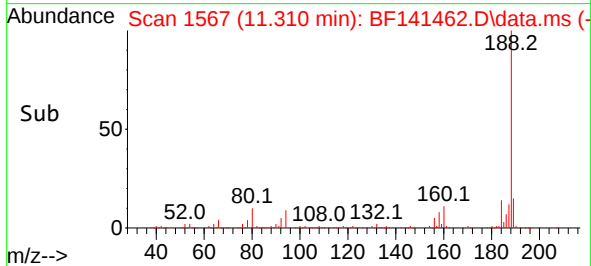
Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725



Tgt Ion:188 Resp: 175054
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.5 8.2 12.4

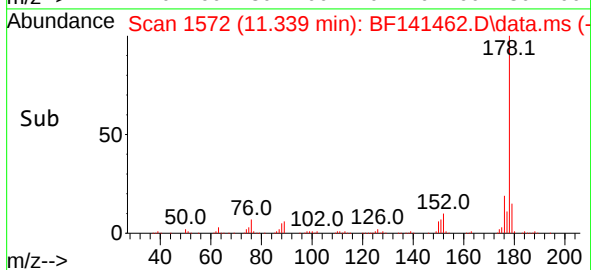
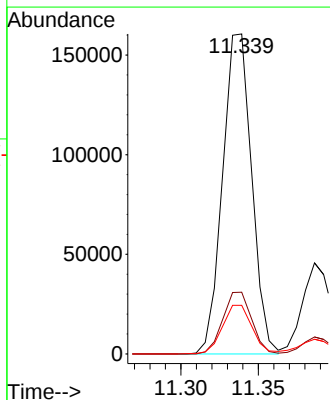
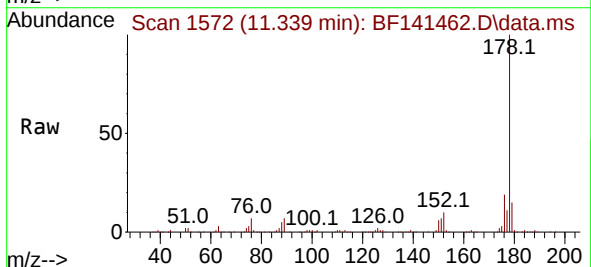
Manual Integrations
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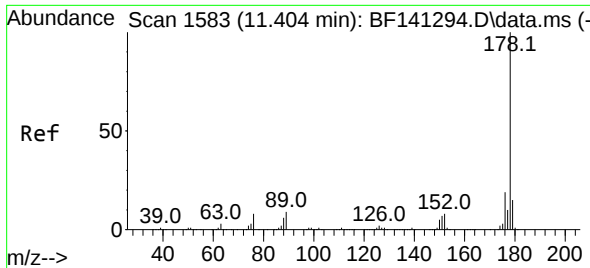
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#71
Phenanthrene
Concen: 22.316 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

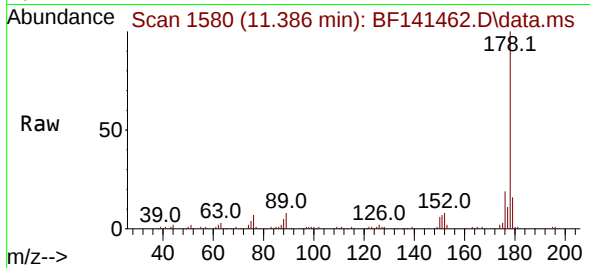
Tgt Ion:178 Resp: 209995
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.2 12.5 18.7





#72
 Anthracene
 Concen: 6.418 ng
 RT: 11.386 min Scan# 11386
 Delta R.T. -0.018 min
 Lab File: BF141462.D
 Acq: 05 Feb 2025 21:57

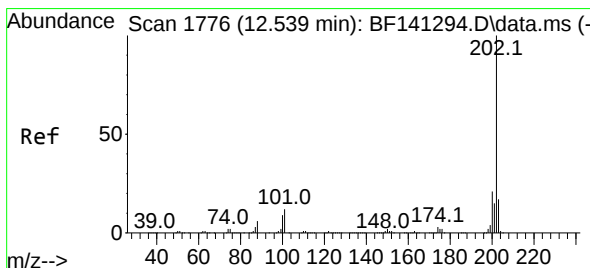
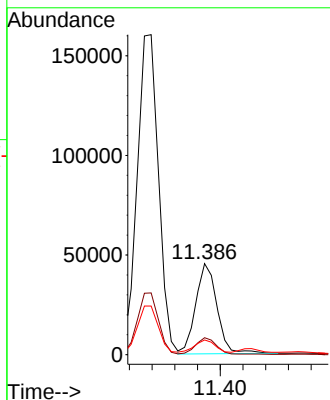
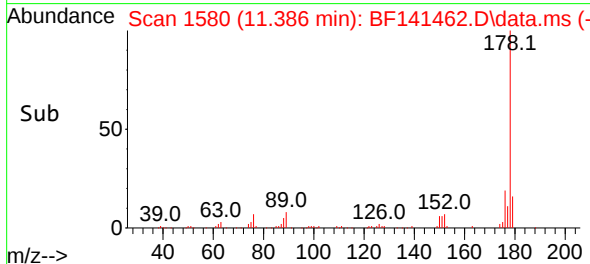
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 ClientSampleId :
 JPP-2.1-012725



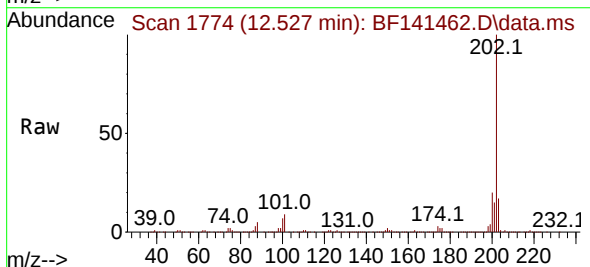
Tgt Ion:178 Resp: 5917
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 16.2 12.3 18.5

Manual Integrations
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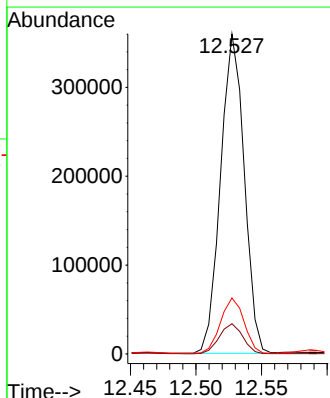
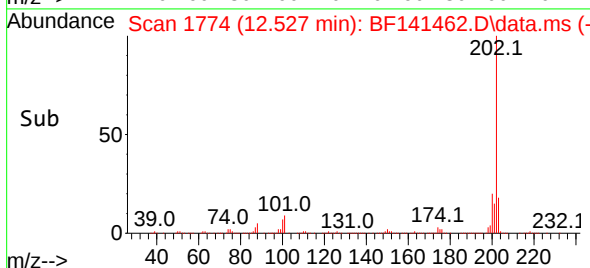
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

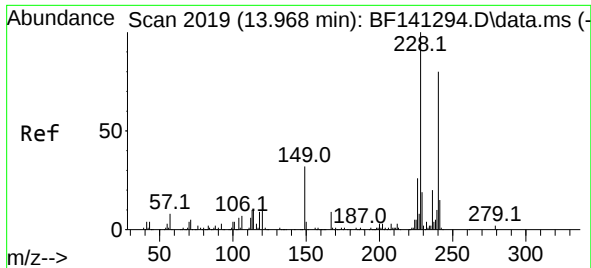


#75
 Fluoranthene
 Concen: 48.482 ng
 RT: 12.527 min Scan# 1774
 Delta R.T. -0.012 min
 Lab File: BF141462.D
 Acq: 05 Feb 2025 21:57



Tgt Ion:202 Resp: 450453
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 31.7
 203 17.5 0.0 37.5





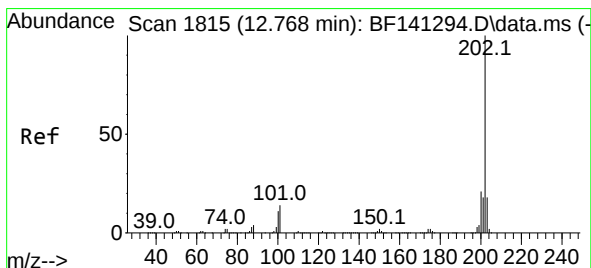
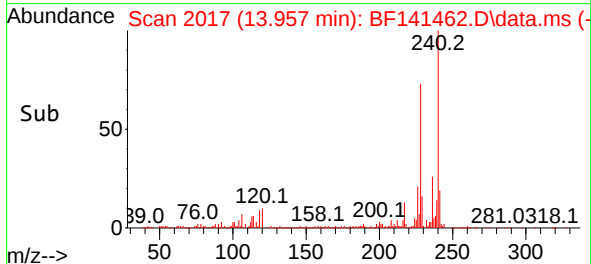
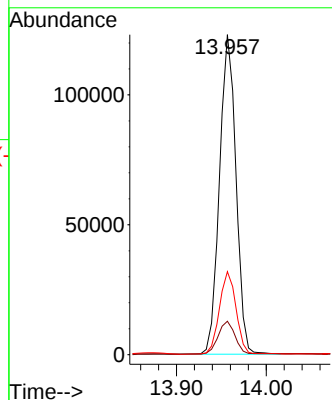
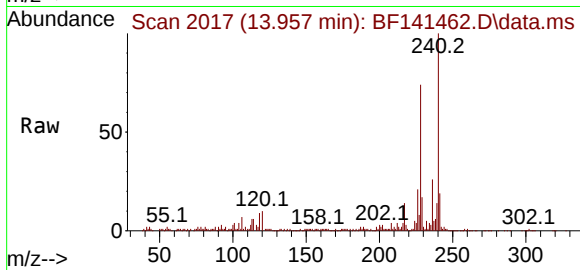
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Tgt Ion:240 Resp: 157030
Ion Ratio Lower Upper
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120 10.5 10.0 15.0
236 25.9 19.7 29.5

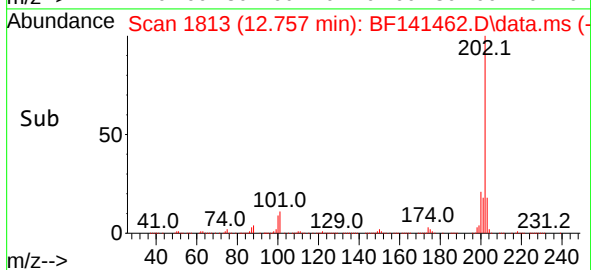
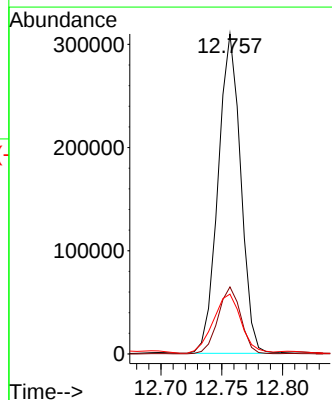
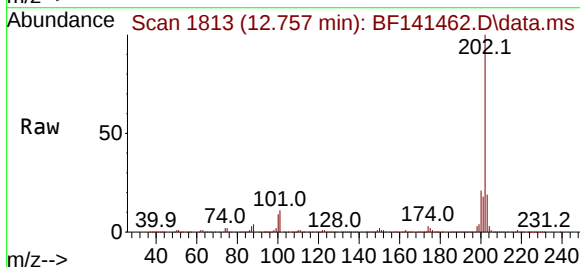
Manual Integrations
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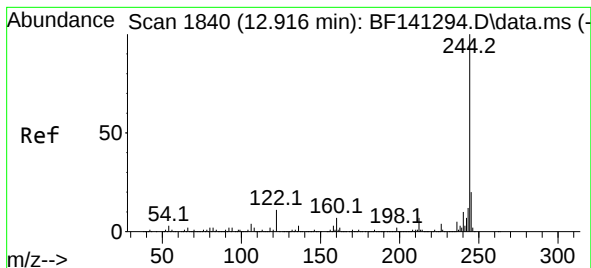
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#78
Pyrene
Concen: 26.542 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:202 Resp: 400090
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.7 14.3 21.5





#79

Terphenyl-d14

Concen: 34.752 ng

RT: 12.898 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

Tgt Ion:244 Resp: 35386

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

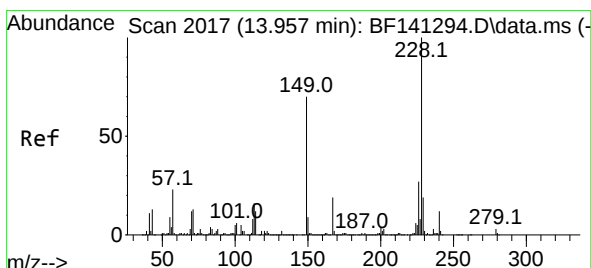
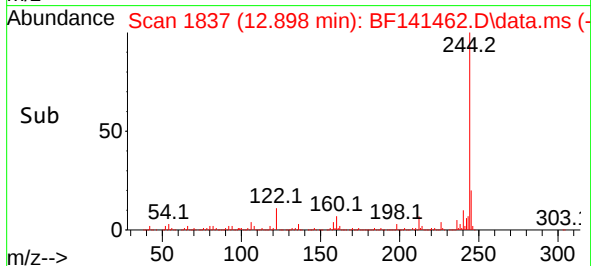
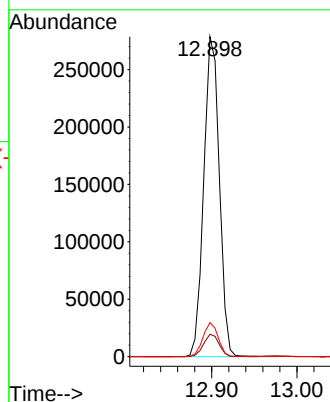
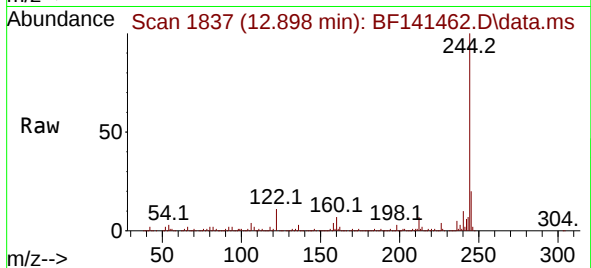
122 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#81

Benzo(a)anthracene

Concen: 20.871 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

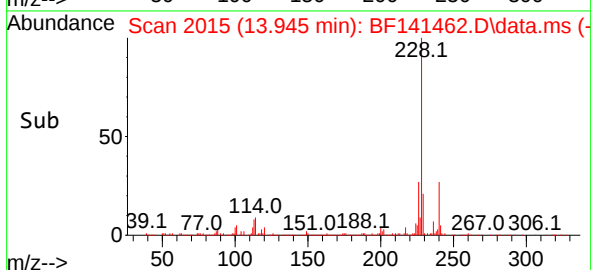
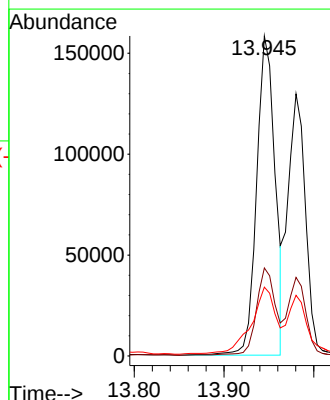
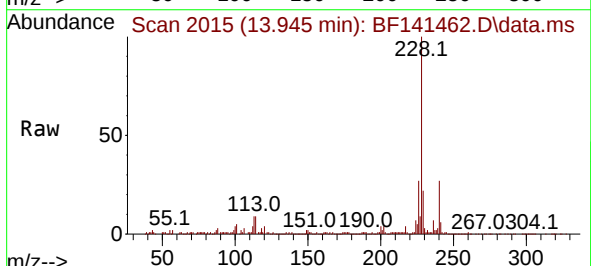
Tgt Ion:228 Resp: 226161

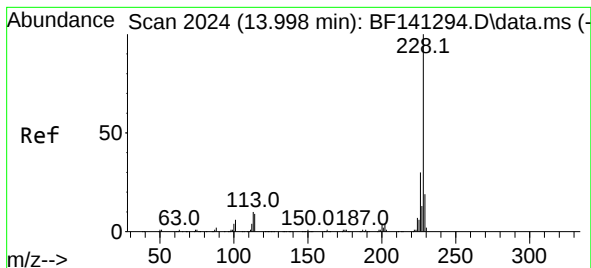
Ion Ratio Lower Upper

228 100

226 27.5 21.4 32.2

229 21.5 15.5 23.3





#83

Chrysene

Concen: 17.511 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

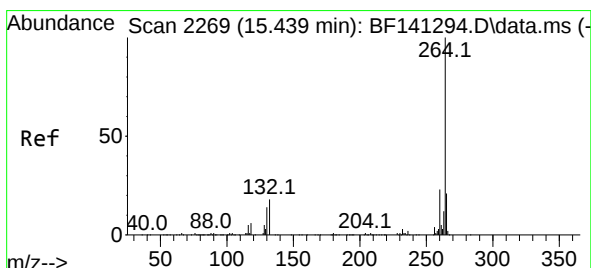
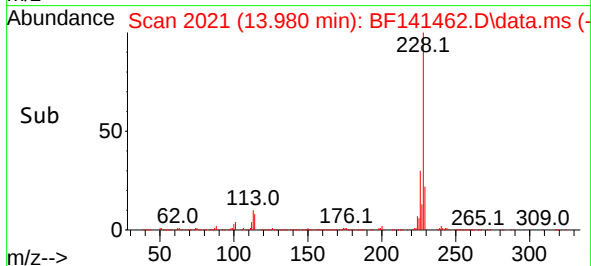
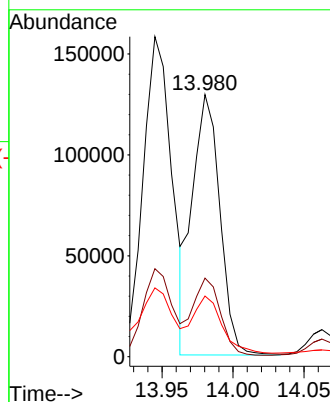
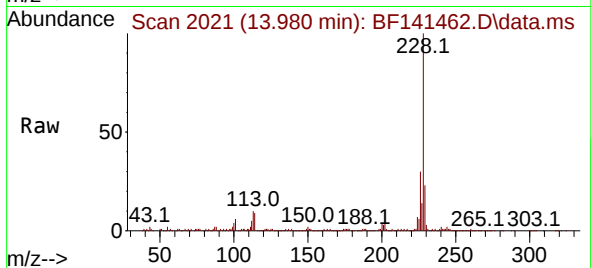
Tgt Ion:	228	Resp:	173900
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.1	36.1
229	23.1	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

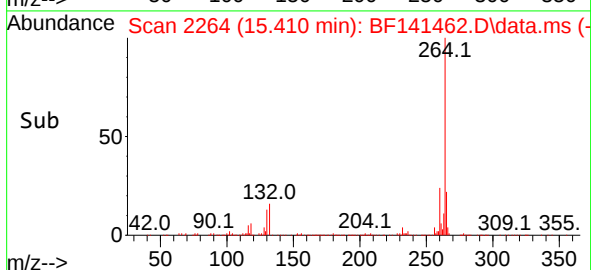
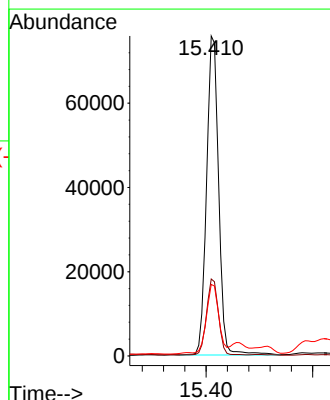
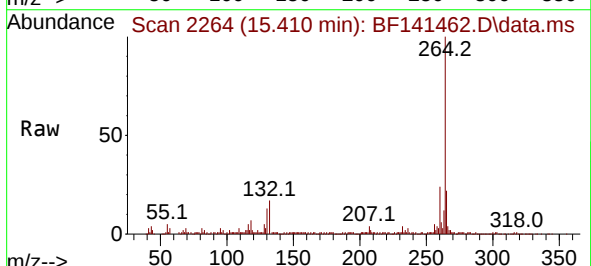
RT: 15.410 min Scan# 2264

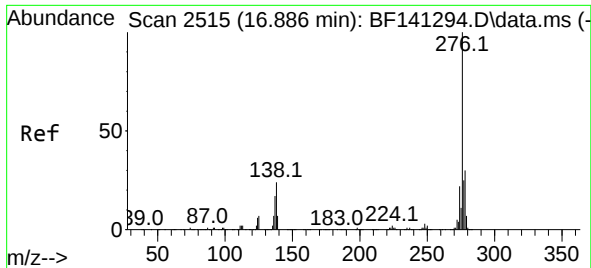
Delta R.T. -0.030 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

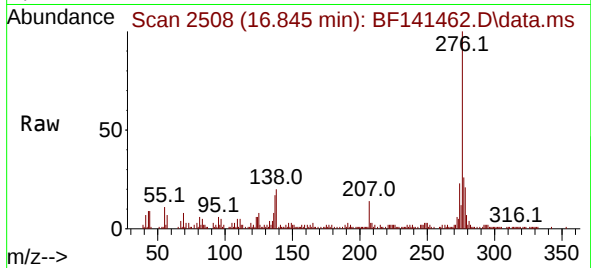
Tgt Ion:	264	Resp:	119629
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.6	27.8
265	22.3	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.844 ng
RT: 16.845 min Scan# 2193
Delta R.T. -0.053 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

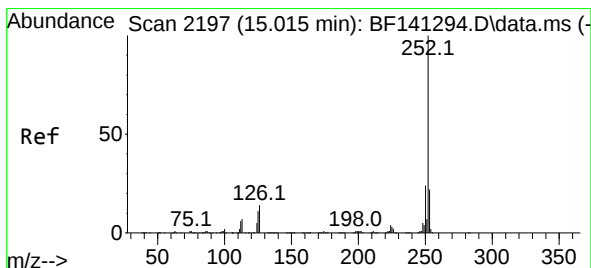
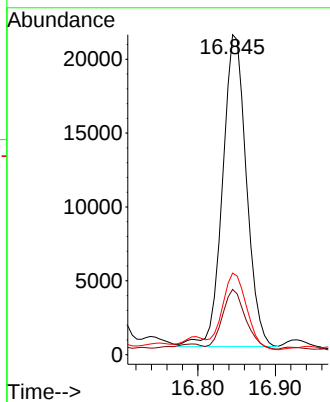
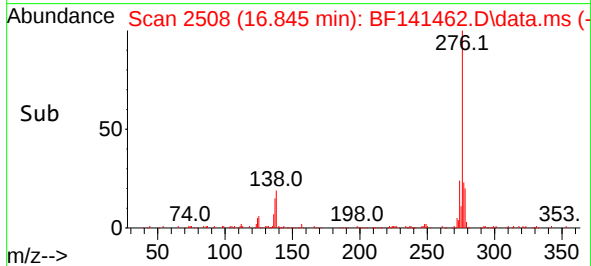
Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725



Tgt Ion:276 Resp: 45120
Ion Ratio Lower Upper
276 100
138 19.1 21.7 32.5
277 25.4 20.3 30.5

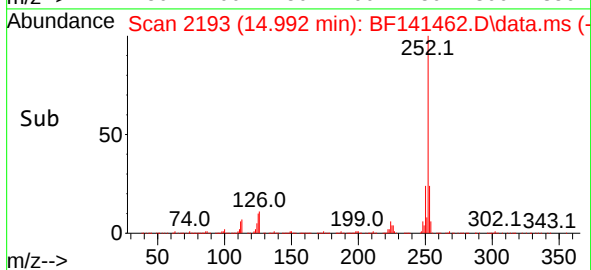
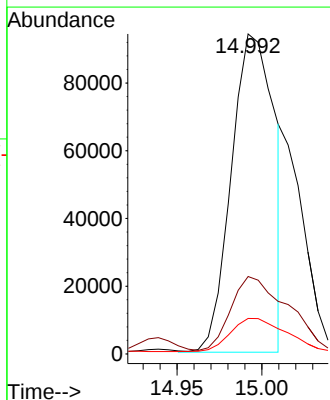
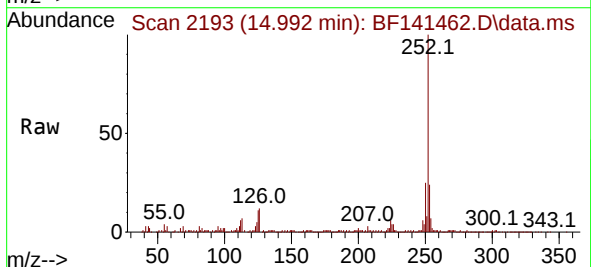
Manual Integrations
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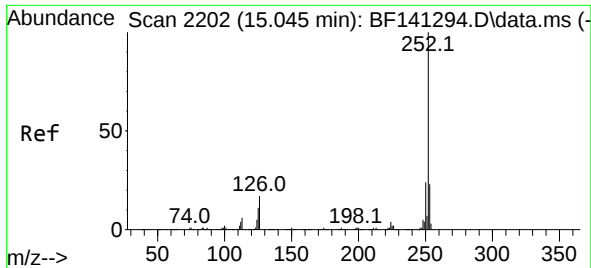
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#88
Benzo(b)fluoranthene
Concen: 22.184 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.030 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:252 Resp: 166931
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 11.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 8.448 ng m

RT: 15.010 min Scan# 2196

Delta R.T. -0.041 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725

Tgt Ion:252 Resp: 56319

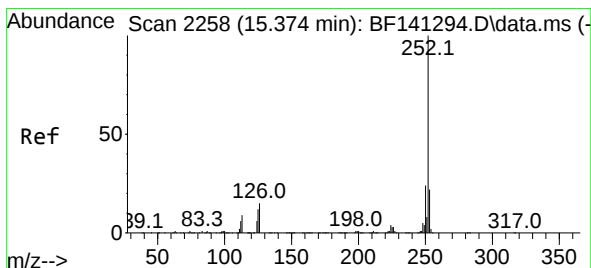
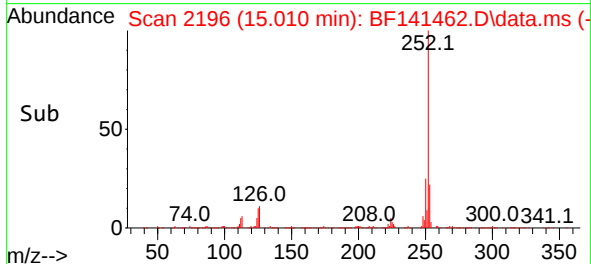
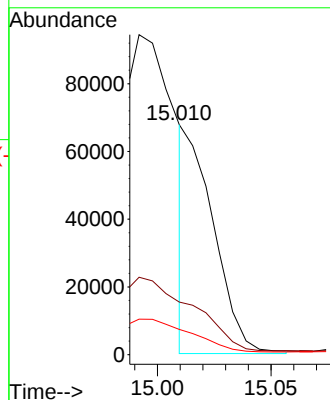
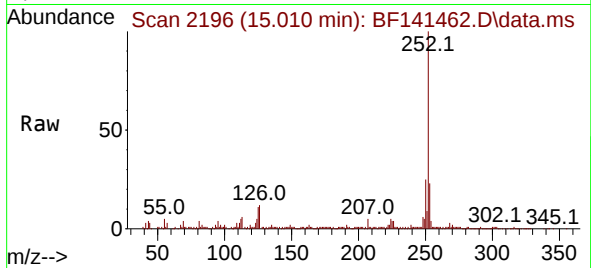
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	11.0	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 17.397 ng

RT: 15.351 min Scan# 2254

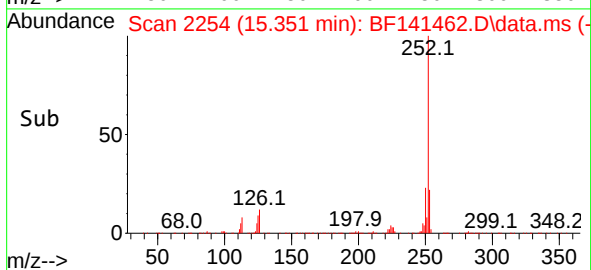
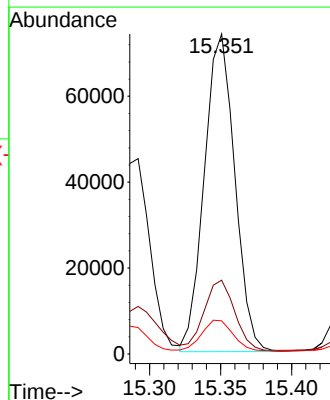
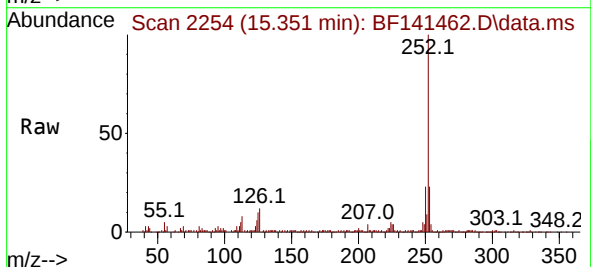
Delta R.T. -0.030 min

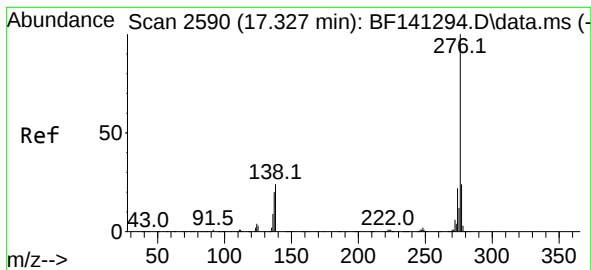
Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Tgt Ion:252 Resp: 110626

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	10.4	9.4	14.2





#92

Benzo(g,h,i)perylene

Concen: 6.039 ng

RT: 17.280 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF141462.D

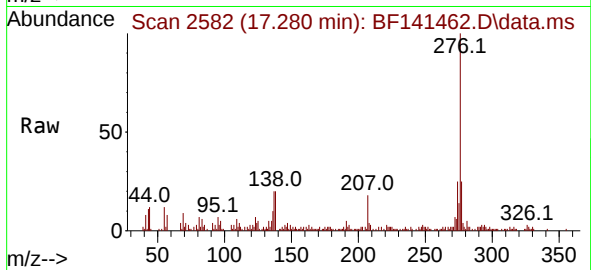
Acq: 05 Feb 2025 21:57

Instrument :

BNA_F

ClientSampleId :

JPP-2.1-012725



Tgt Ion:276 Resp: 39009

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 20.1 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025

