

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141460.D
 Acq On : 05 Feb 2025 21:05
 Operator : RC/JU
 Sample : Q1207-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.2-012725

Manual Integrations
 APPROVED

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

Quant Time: Feb 06 01:48:24 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	72530	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	288100	20.000	ng	#-0.02
39) Acenaphthene-d10	9.828	164	141483	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	194970	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	168850	20.000	ng	-0.02
86) Perylene-d12	15.421	264	153896	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	201167	42.580	ng	0.00
7) Phenol-d6	6.422	99	243674	40.544	ng	-0.02
23) Nitrobenzene-d5	7.345	82	159822	29.244	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	46229	35.641	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	268346	29.193	ng	-0.02
79) Terphenyl-d14	12.898	244	197854	18.071	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	151900	14.494	ng	99
72) Anthracene	11.386	178	33140	3.227	ng	99
75) Fluoranthene	12.527	202	209398	20.235	ng	98
78) Pyrene	12.757	202	212134	13.088	ng	99
81) Benzo(a)anthracene	13.945	228	105876	9.087	ng	98
83) Chrysene	13.980	228	90973	8.519	ng	97
87) Indeno(1,2,3-cd)pyrene	16.862	276	32703	3.292	ng	95
88) Benzo(b)fluoranthene	15.004	252	99906m	10.320	ng	
89) Benzo(k)fluoranthene	15.015	252	46109m	5.377	ng	
90) Benzo(a)pyrene	15.362	252	79098	9.669	ng	96
92) Benzo(g,h,i)perylene	17.292	276	33591	4.043	ng	96

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

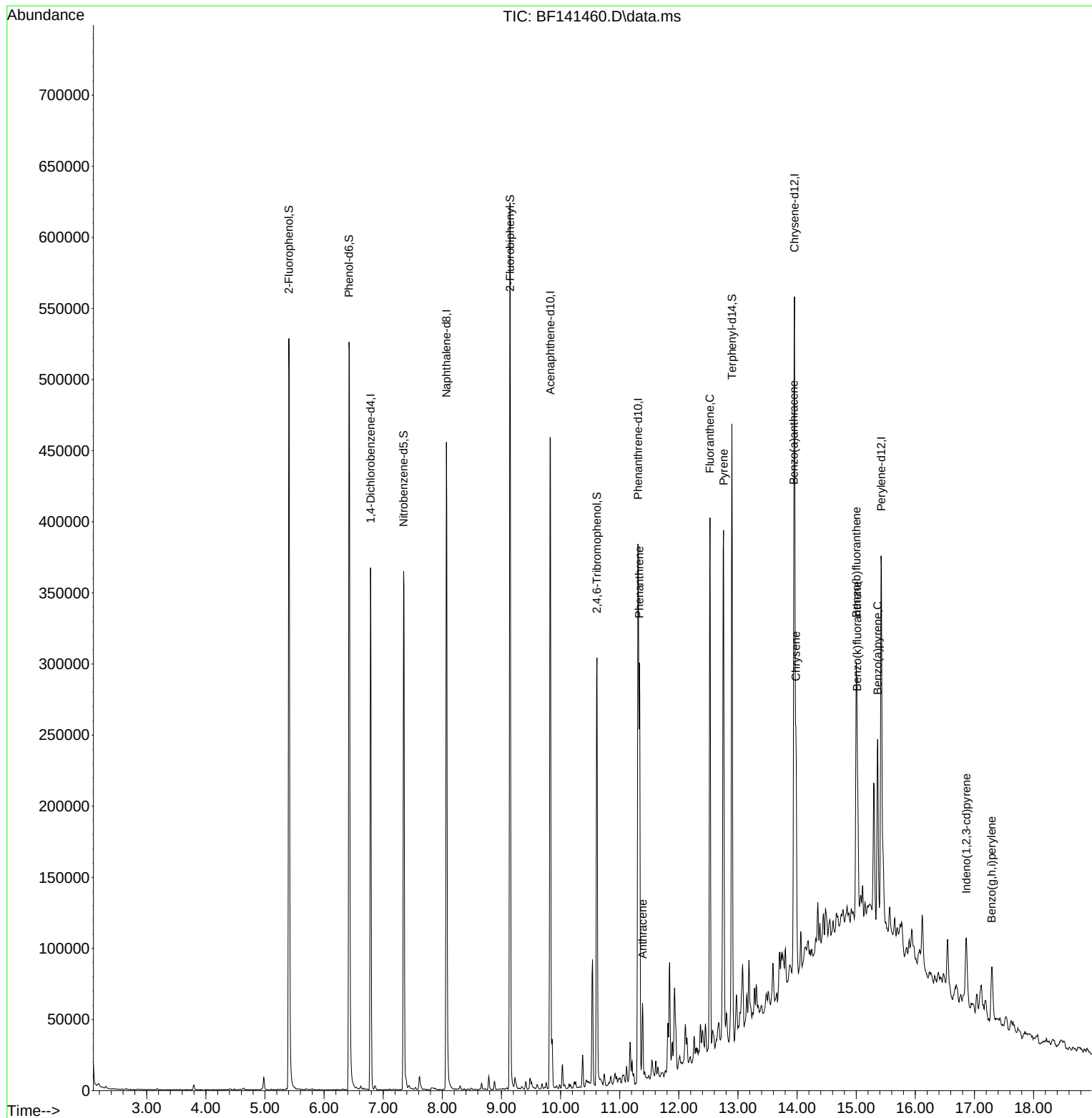
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

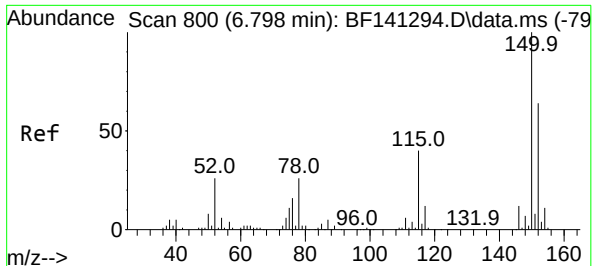
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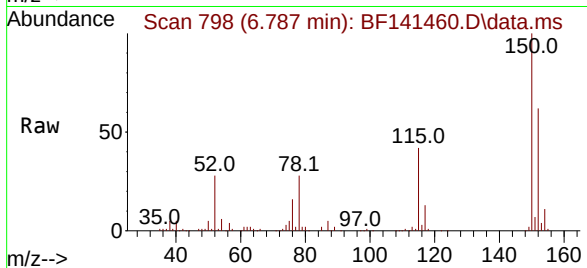
Quant Time: Feb 06 01:48:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.017 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

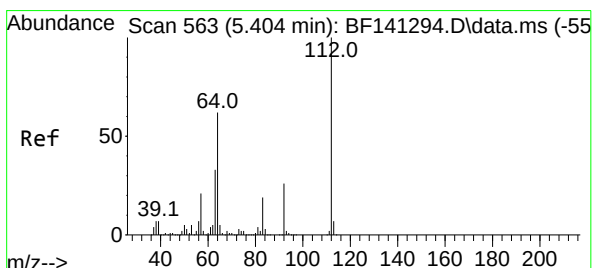
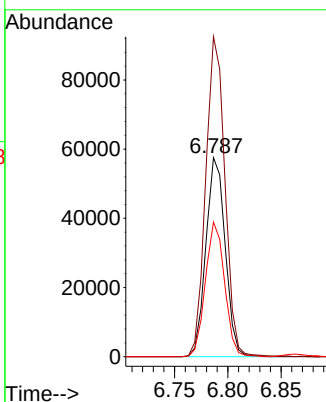
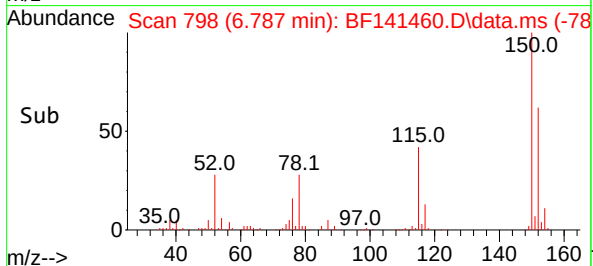
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725



Tgt Ion:152 Resp: 72530
Ion Ratio Lower Upper
152 100
150 160.8 125.9 188.9
115 67.6 49.7 74.5

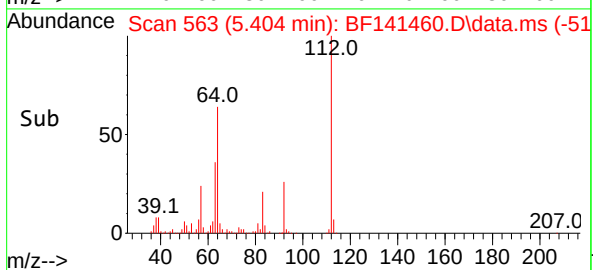
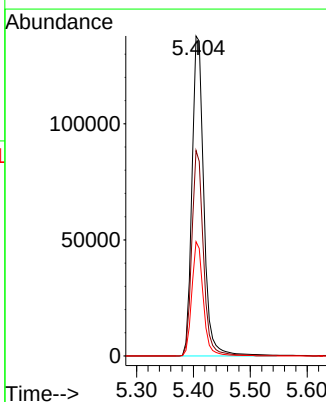
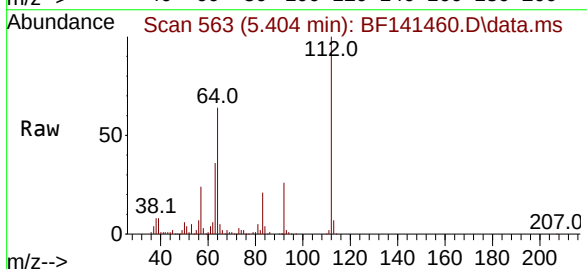
Manual Integrations
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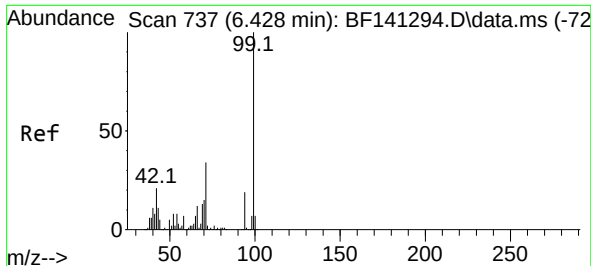
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#5
2-Fluorophenol
Concen: 42.580 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

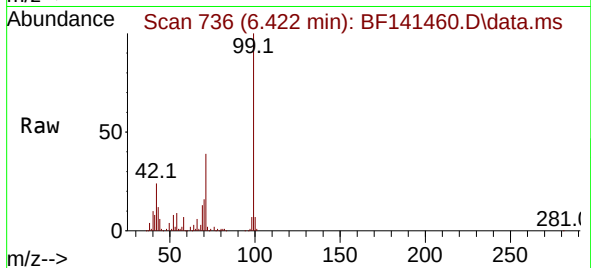
Tgt Ion:112 Resp: 201167
Ion Ratio Lower Upper
112 100
64 64.2 49.8 74.8
63 35.7 26.1 39.1





#7
Phenol-d6
Concen: 40.544 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

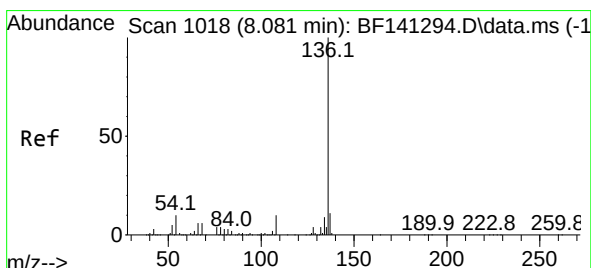
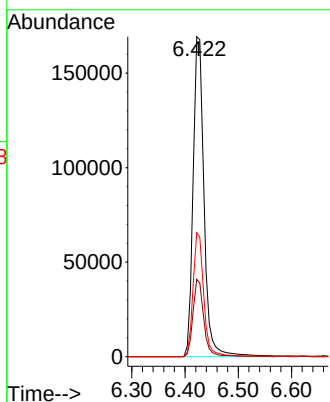
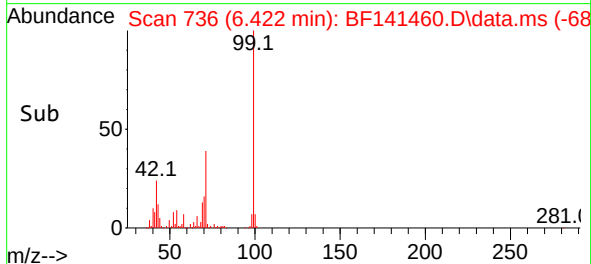
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725



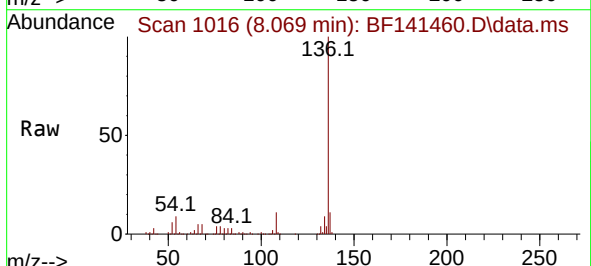
Tgt Ion: 99 Resp: 243674
Ion Ratio Lower Upper
99 100
42 24.1 17.1 25.7
71 38.7 26.9 40.3

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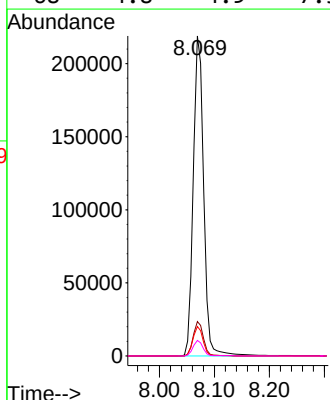
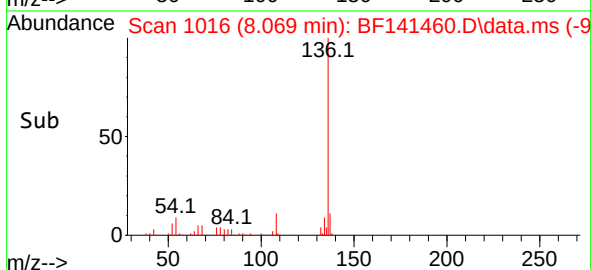
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

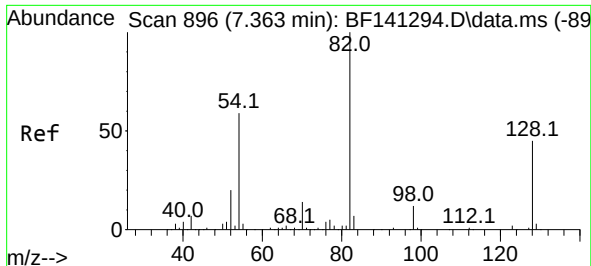


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05



Tgt Ion:136 Resp: 288100
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.2 7.8 11.8
68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 29.244 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.024 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

Instrument :

BNA_F

ClientSampleId :

JPP-20.2-012725

Tgt Ion: 82 Resp: 15982

Ion Ratio Lower Upper

82 100

128 42.7 35.7 53.5

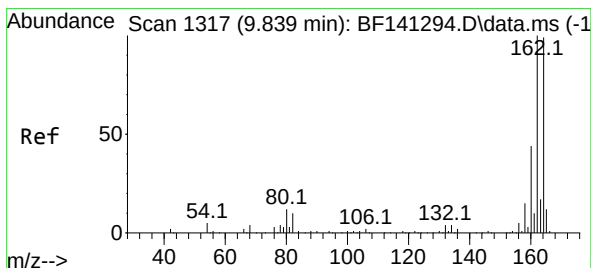
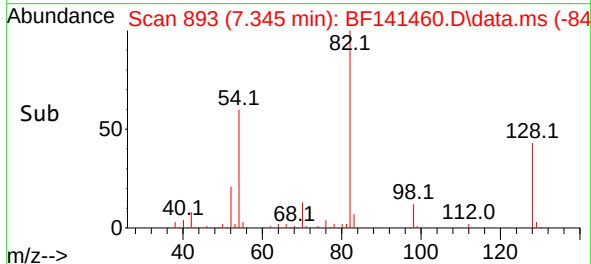
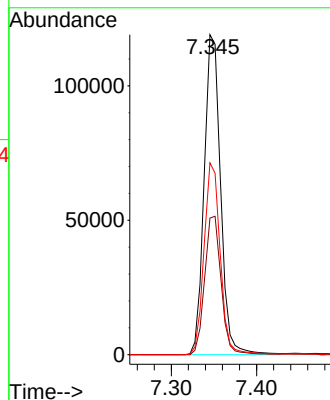
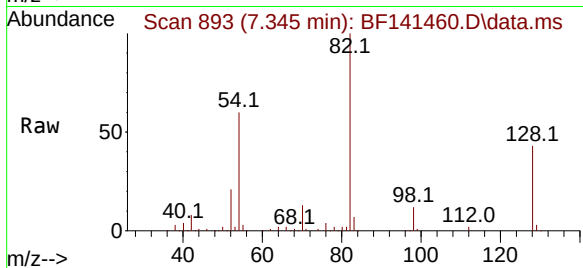
54 60.0 47.1 70.7

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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: BF141460.D

Acq: 05 Feb 2025 21:05

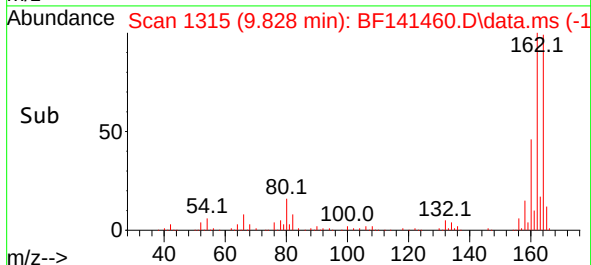
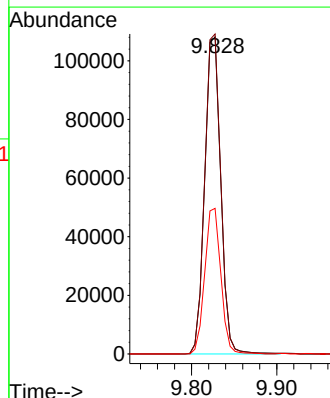
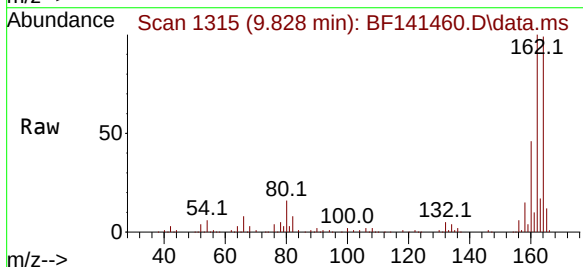
Tgt Ion:164 Resp: 141483

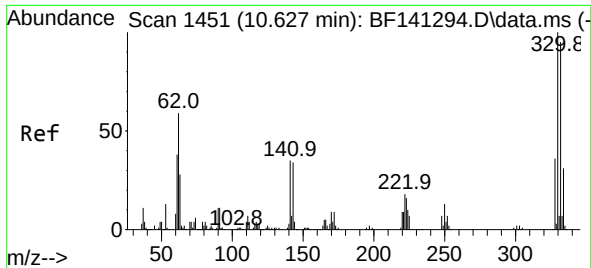
Ion Ratio Lower Upper

164 100

162 100.9 80.6 121.0

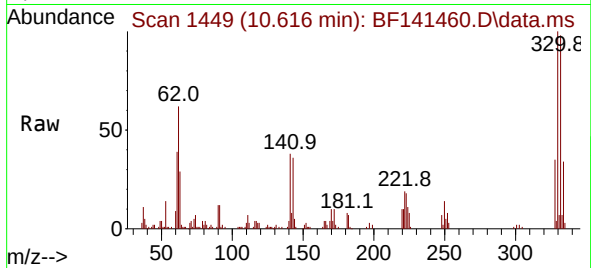
160 45.9 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 35.641 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

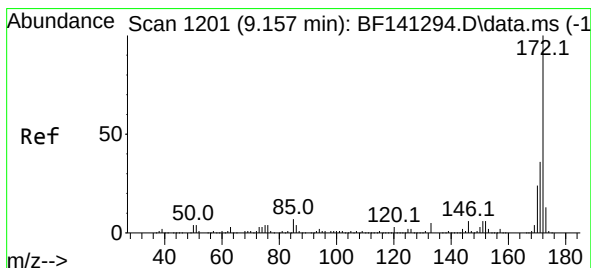
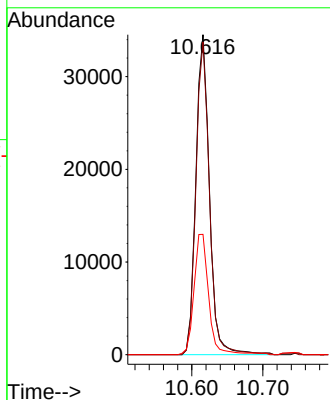
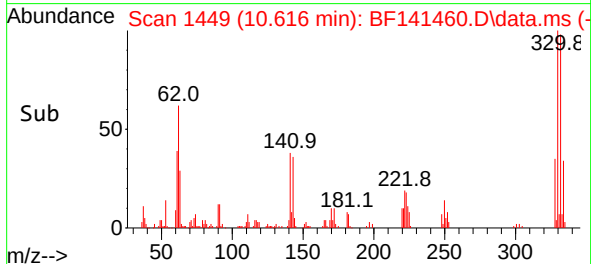
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725



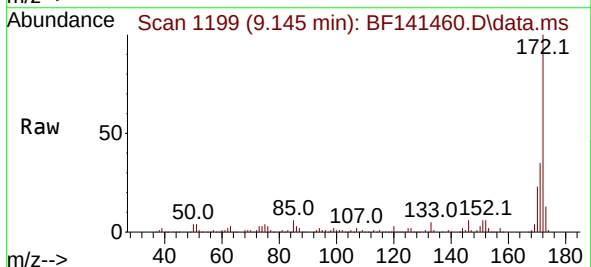
Tgt Ion: 330 Resp: 46229
Ion Ratio Lower Upper
330 100
332 97.1 76.1 114.1
141 40.1 28.8 43.2

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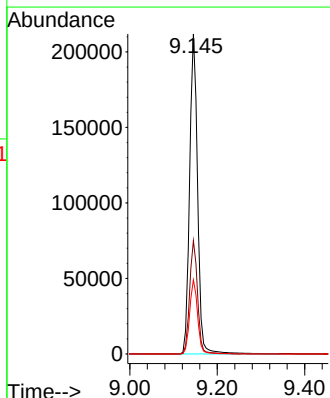
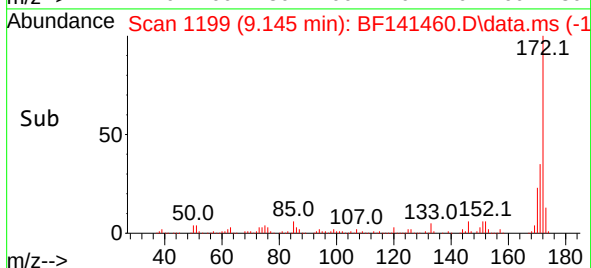
Reviewed By : Yogesh Patel 02/06/2025
Supervised By : mohammad ahmed 02/06/2025

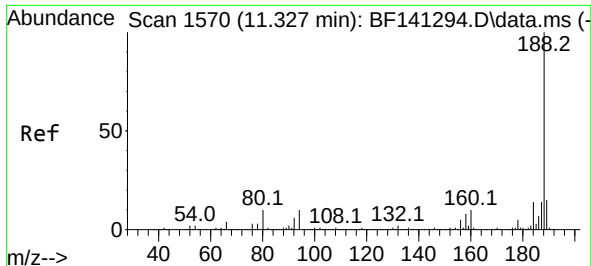


#45
2-Fluorobiphenyl
Concen: 29.193 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05



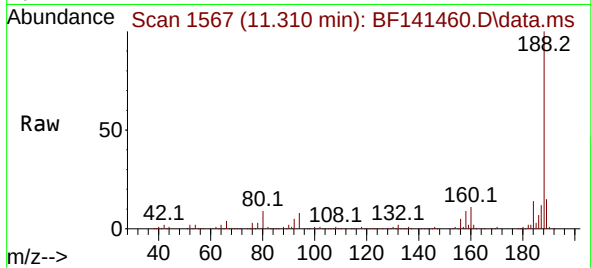
Tgt Ion: 172 Resp: 268346
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.2 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

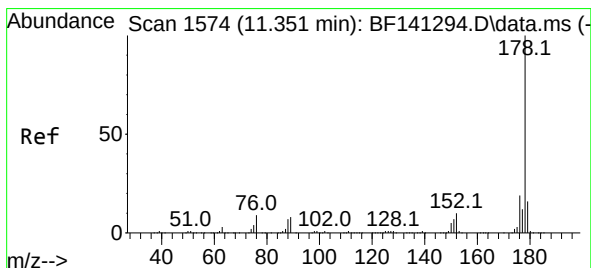
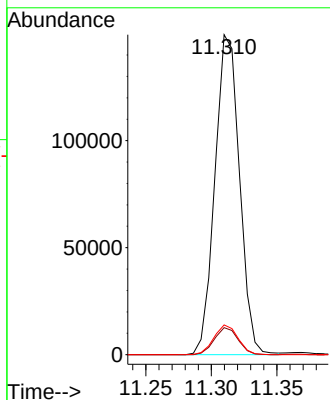
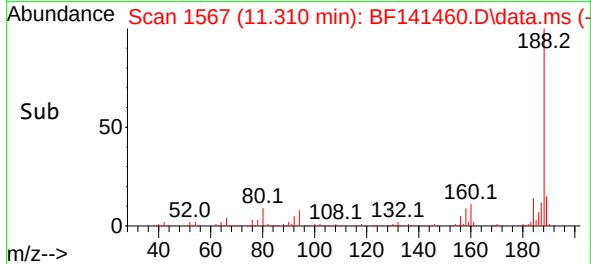
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725



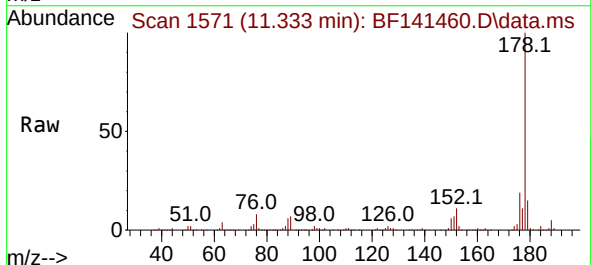
Tgt Ion:188 Resp: 194970
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.3 8.2 12.4

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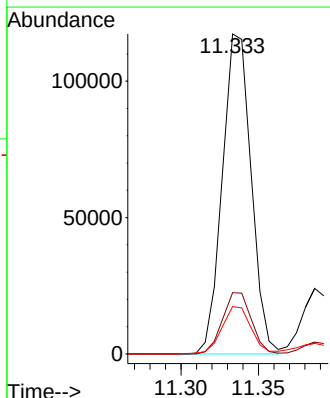
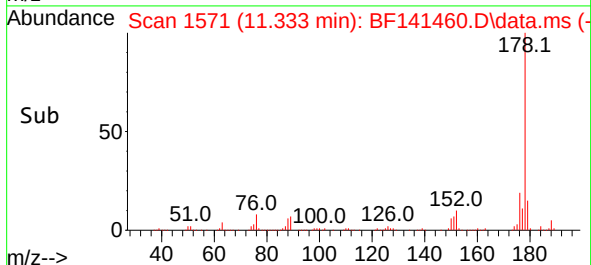
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

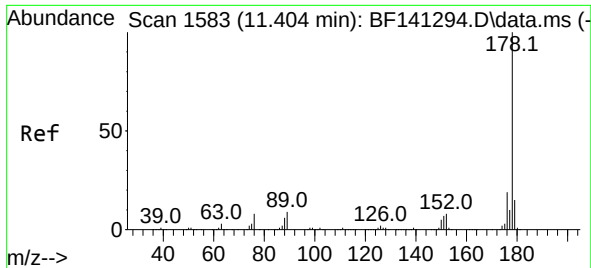


#71
Phenanthrene
Concen: 14.494 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05



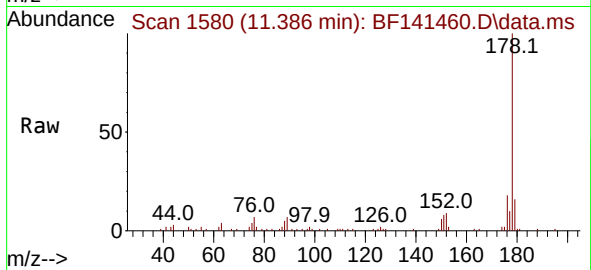
Tgt Ion:178 Resp: 151900
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 14.8 12.5 18.7





#72
 Anthracene
 Concen: 3.227 ng
 RT: 11.386 min Scan# 11386
 Delta R.T. -0.018 min
 Lab File: BF141460.D
 Acq: 05 Feb 2025 21:05

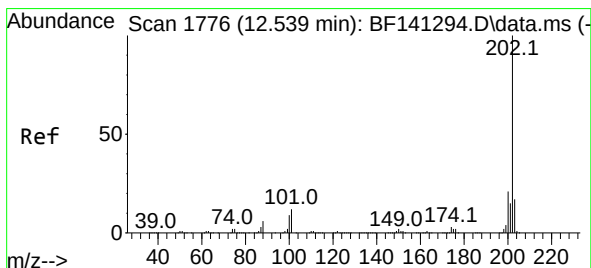
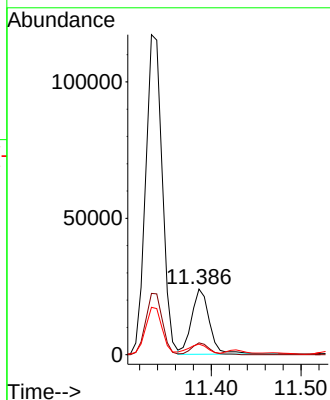
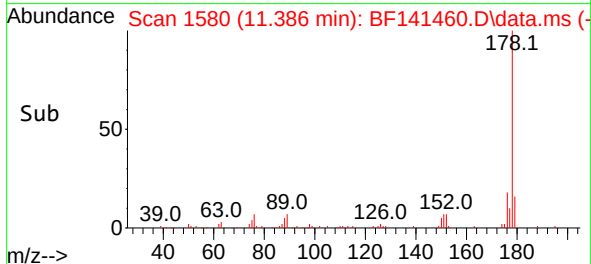
Instrument :
 BNA_F
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 JPP-20.2-012725



Tgt Ion:178 Resp: 33140
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.6
 179 16.0 12.3 18.5

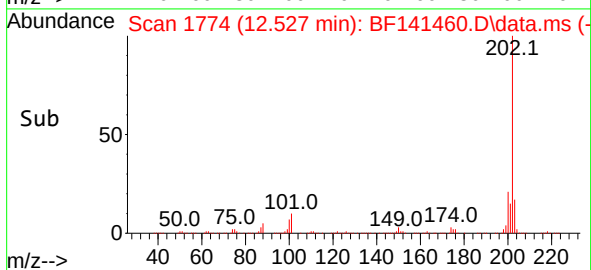
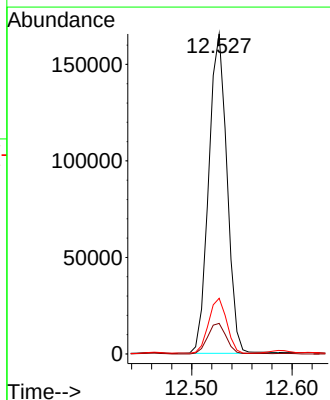
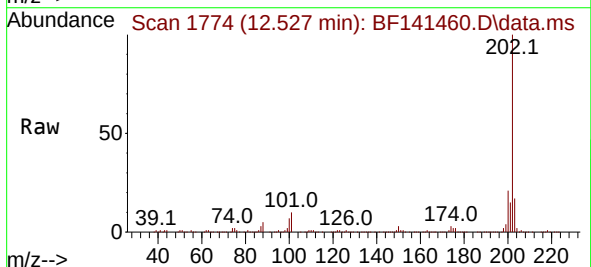
Manual Integrations
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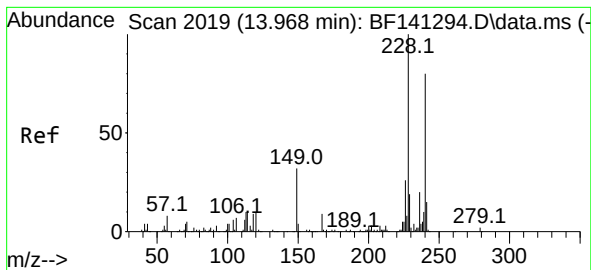
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#75
 Fluoranthene
 Concen: 20.235 ng
 RT: 12.527 min Scan# 1774
 Delta R.T. -0.012 min
 Lab File: BF141460.D
 Acq: 05 Feb 2025 21:05

Tgt Ion:202 Resp: 209398
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.7
 203 17.4 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: BF141460.D

Acq: 05 Feb 2025 21:05

Instrument :

BNA_F

ClientSampleId :

JPP-20.2-012725

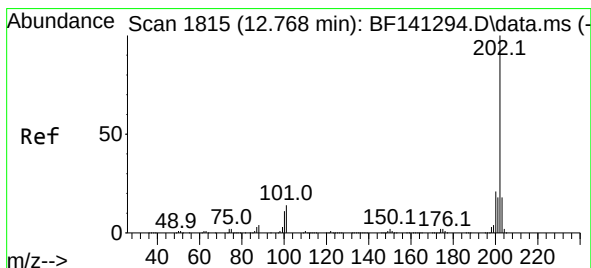
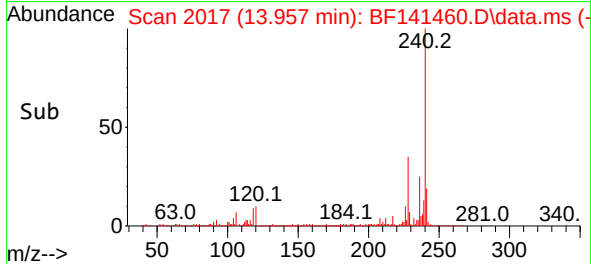
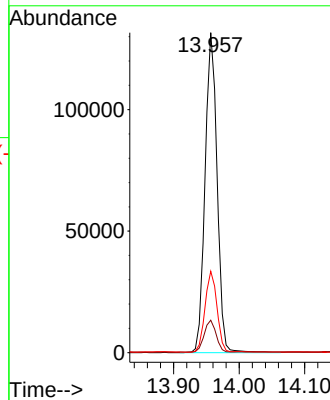
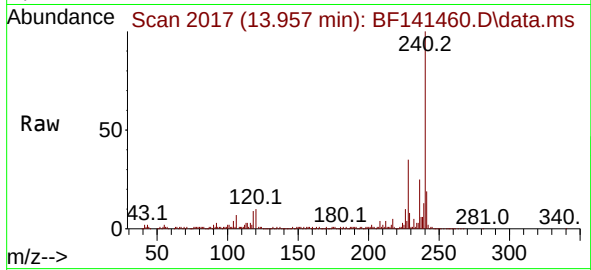
Tgt Ion:240 Resp: 168850
 Ion Ratio Lower Upper
 240 100
 120 10.1 10.0 15.0
 236 25.5 19.7 29.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 13.088 ng

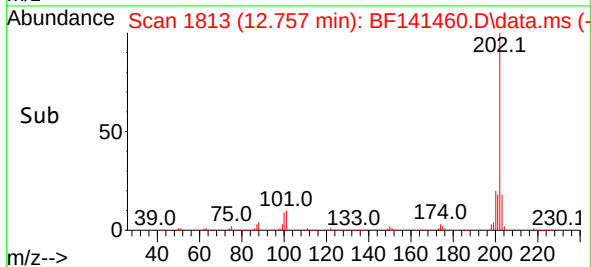
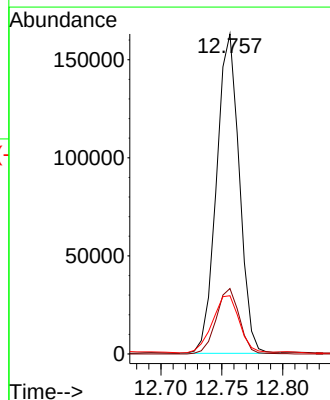
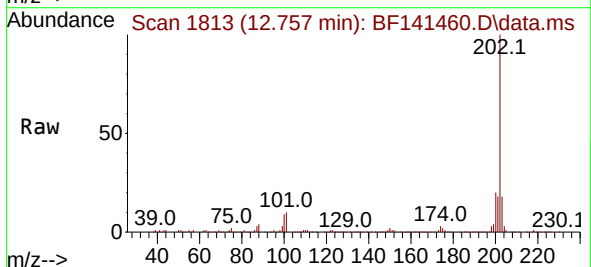
RT: 12.757 min Scan# 1813

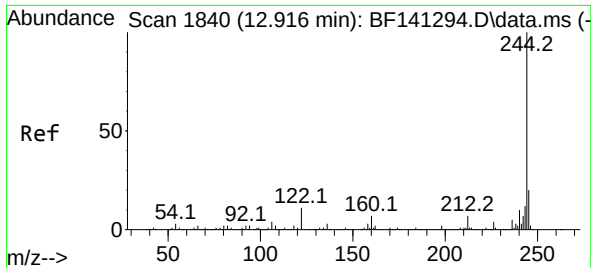
Delta R.T. -0.012 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

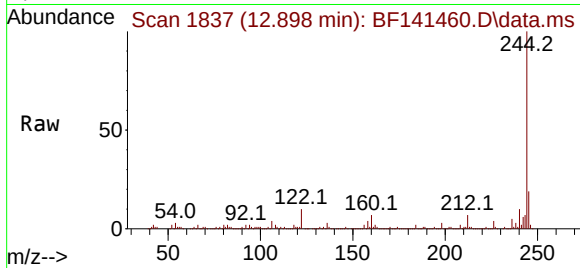
Tgt Ion:202 Resp: 212134
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.0 25.4
 203 18.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 18.071 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141460.D
 Acq: 05 Feb 2025 21:05

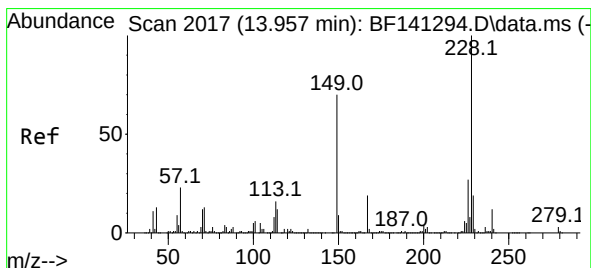
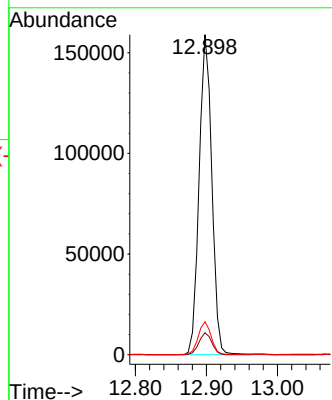
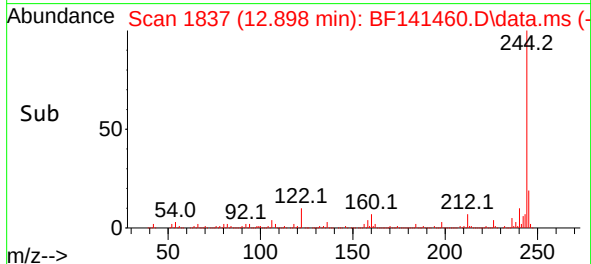
Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.2-012725



Tgt Ion:244 Resp: 197854
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.3 8.8 13.2

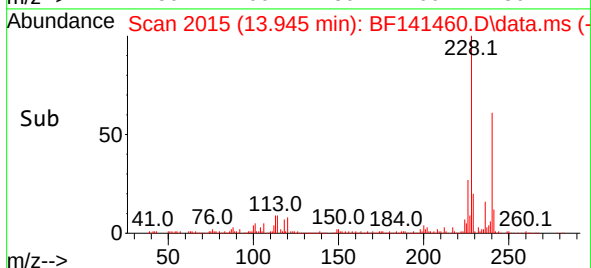
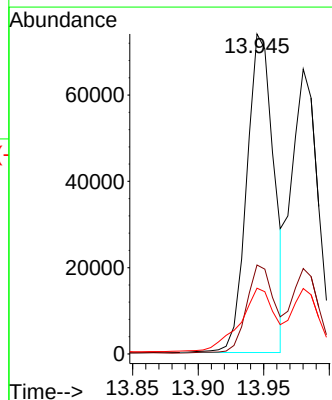
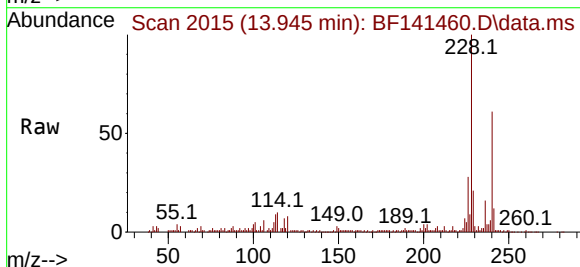
Manual Integrations
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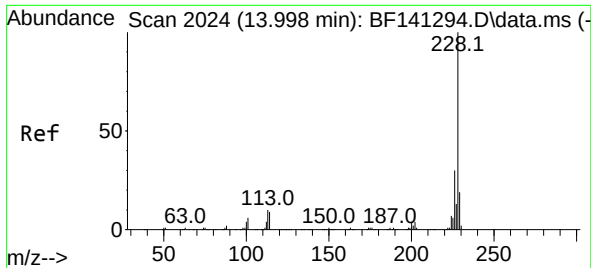
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#81
 Benzo(a)anthracene
 Concen: 9.087 ng
 RT: 13.945 min Scan# 2015
 Delta R.T. -0.018 min
 Lab File: BF141460.D
 Acq: 05 Feb 2025 21:05

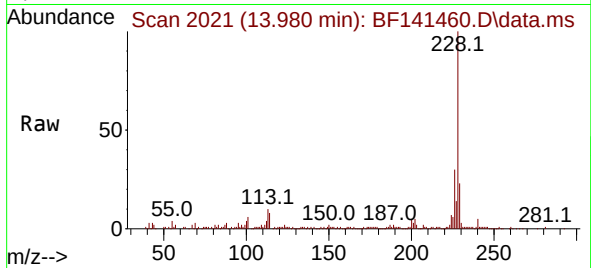
Tgt Ion:228 Resp: 105876
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.4 32.2
 229 20.6 15.5 23.3





#83
Chrysene
Concen: 8.519 ng
RT: 13.980 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

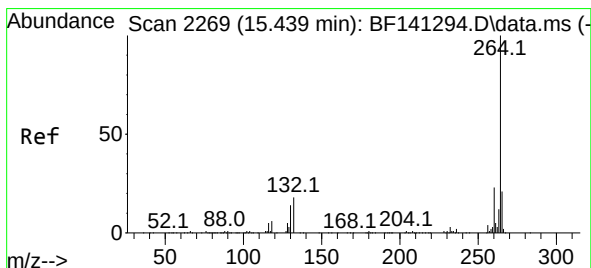
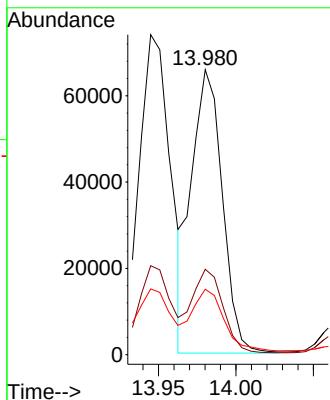
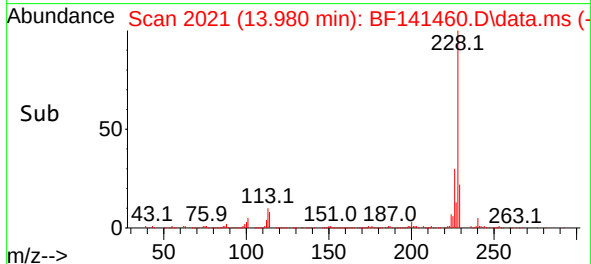
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725



Tgt Ion:228 Resp: 9097
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 23.0 15.6 23.4

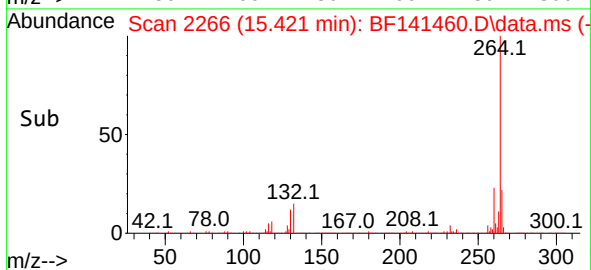
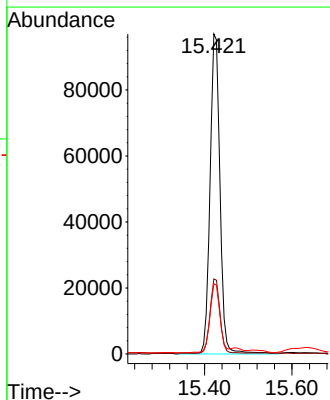
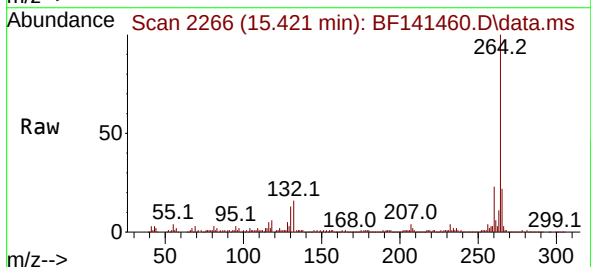
Manual Integrations
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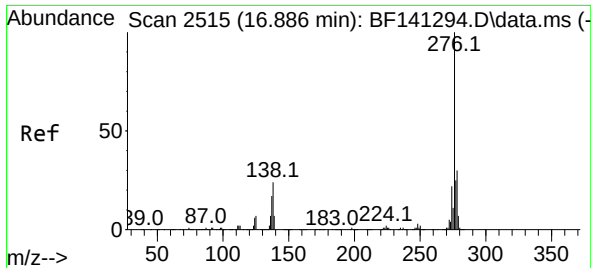
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:264 Resp: 153896
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 21.9 16.7 25.1





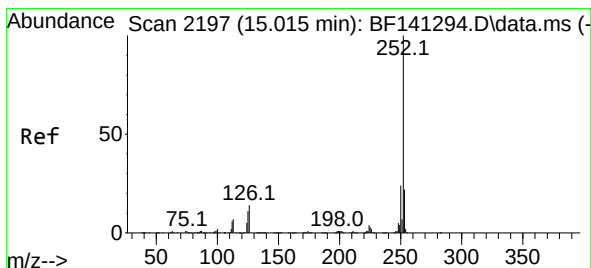
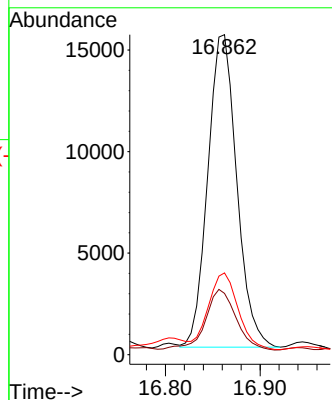
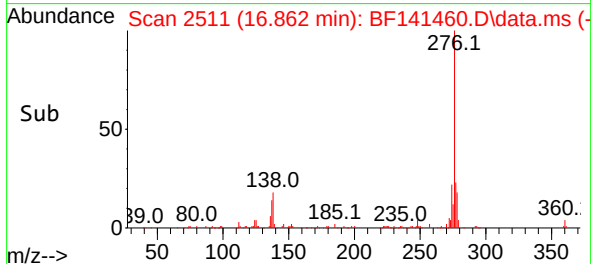
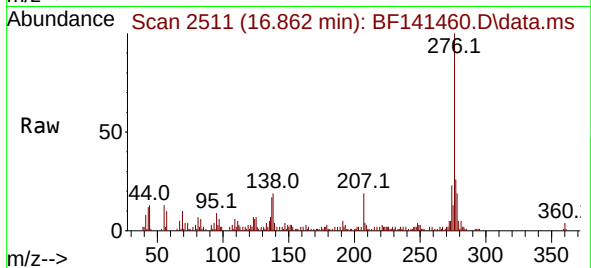
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.292 ng
 RT: 16.862 min Scan# 2195
 Delta R.T. -0.035 min
 Lab File: BF141460.D
 Acq: 05 Feb 2025 21:05

Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.2-012725

Tgt Ion:276 Resp: 3270
 Ion Ratio Lower Upper
 276 100
 138 22.0 21.7 32.5
 277 25.6 20.3 30.5

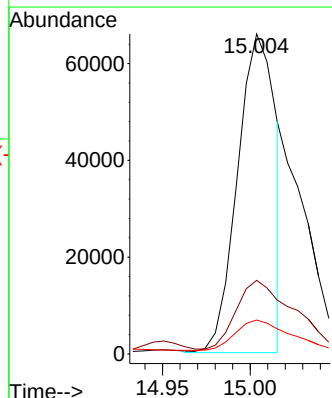
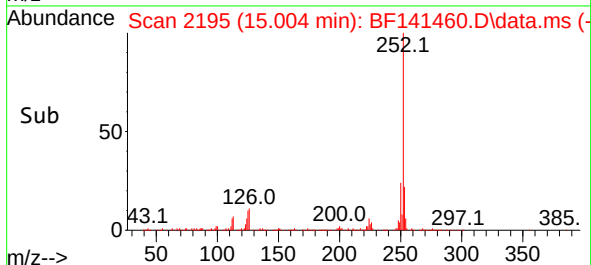
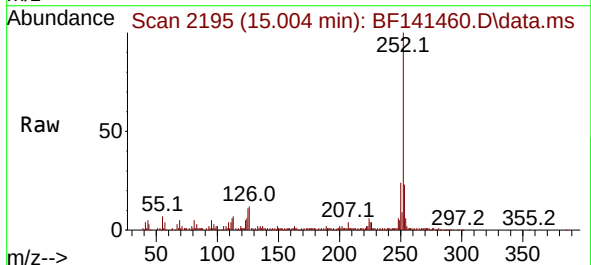
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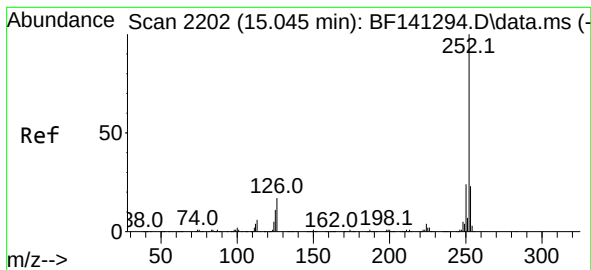
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#88
 Benzo(b)fluoranthene
 Concen: 10.320 ng m
 RT: 15.004 min Scan# 2195
 Delta R.T. -0.018 min
 Lab File: BF141460.D
 Acq: 05 Feb 2025 21:05

Tgt Ion:252 Resp: 99906
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.4 26.2
 125 10.6 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 5.377 ng m

RT: 15.015 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

Instrument :

BNA_F

ClientSampleId :

JPP-20.2-012725

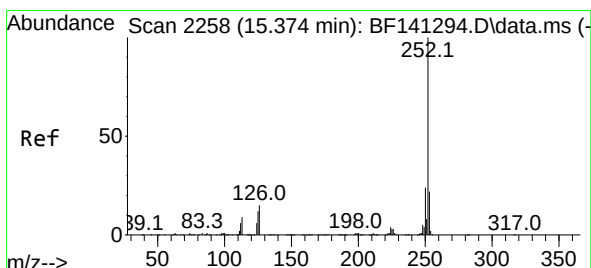
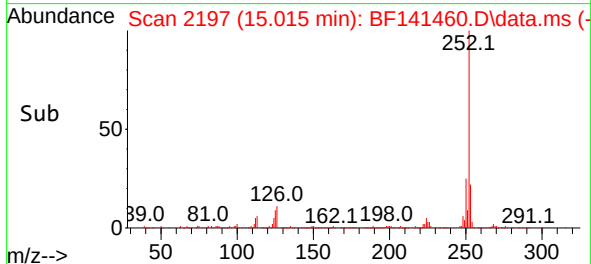
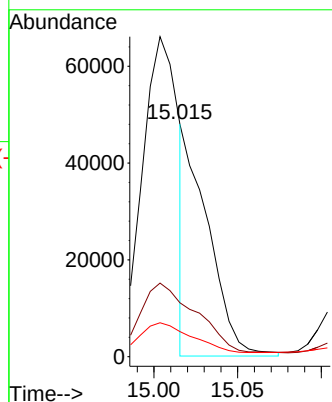
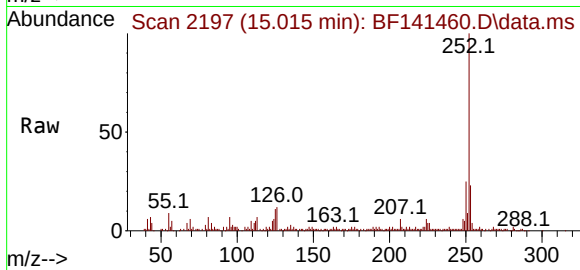
Tgt Ion:	252	Resp:	46109
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	10.8	8.4	12.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 9.669 ng

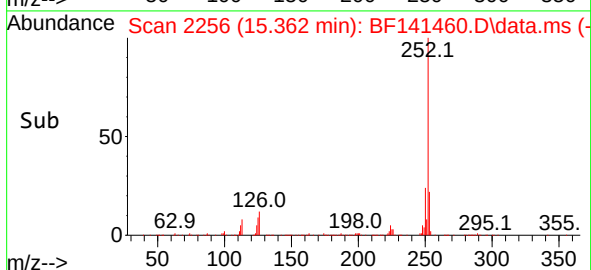
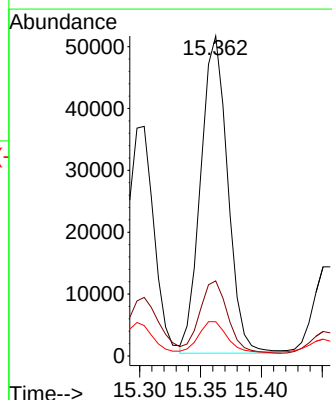
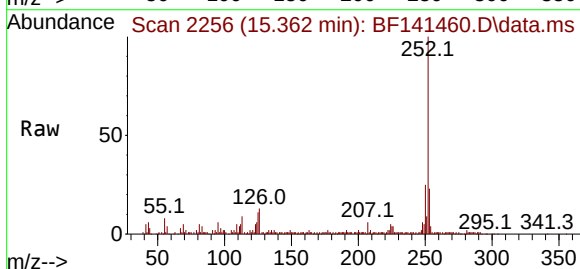
RT: 15.362 min Scan# 2256

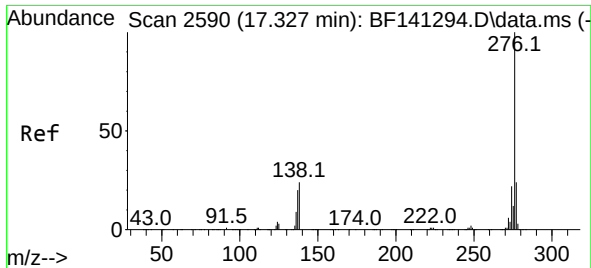
Delta R.T. -0.018 min

Lab File: BF141460.D

Acq: 05 Feb 2025 21:05

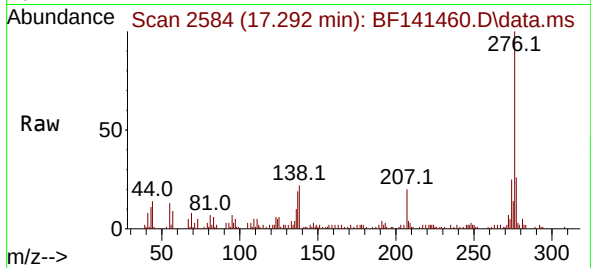
Tgt Ion:	252	Resp:	79098
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.2	25.8
125	10.7	9.4	14.2





#92
Benzo(g,h,i)perylene
Concen: 4.043 ng
RT: 17.292 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725



Tgt Ion:276 Resp: 3359
Ion Ratio Lower Upper
276 100
277 26.1 19.2 28.8
138 22.3 19.0 28.4

Manual Integrations
APPROVED

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

