

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141430.D
 Acq On : 05 Feb 2025 00:48
 Operator : RC/JU
 Sample : Q1276-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-020325

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 05 02:12:08 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	80458	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	301239	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	153391	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	236407	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	181759	20.000	ng	-0.02
86) Perylene-d12	15.421	264	149424	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	175631	33.512	ng	0.00
7) Phenol-d6	6.428	99	438758	65.810	ng	-0.01
23) Nitrobenzene-d5	7.351	82	299875	52.478	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	14298	10.168	ng	-0.02
45) 2-Fluorobiphenyl	9.151	172	518493	52.028	ng	-0.01
79) Terphenyl-d14	12.904	244	473815	40.202	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.786	142	30162	2.982	ng	98
38) 1-Methylnaphthalene	8.881	142	21424	2.156	ng	86
71) Phenanthrene	11.339	178	103126	8.115	ng	98
72) Anthracene	11.392	178	29202m	2.345	ng	
75) Fluoranthene	12.527	202	269907	21.511	ng	97
78) Pyrene	12.757	202	235150	13.478	ng	99
81) Benzo(a)anthracene	13.945	228	154487	12.317	ng	95
83) Chrysene	13.980	228	137464	11.959	ng	96
87) Indeno(1,2,3-cd)pyrene	16.856	276	55147	5.718	ng	# 93
88) Benzo(b)fluoranthene	15.004	252	174148m	18.528	ng	
89) Benzo(k)fluoranthene	15.015	252	54925m	6.596	ng	
90) Benzo(a)pyrene	15.357	252	114865	14.462	ng	95
91) Dibenzo(a,h)anthracene	16.868	278	16656	2.147	ng	# 79
92) Benzo(g,h,i)perylene	17.292	276	55078	6.827	ng	96

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

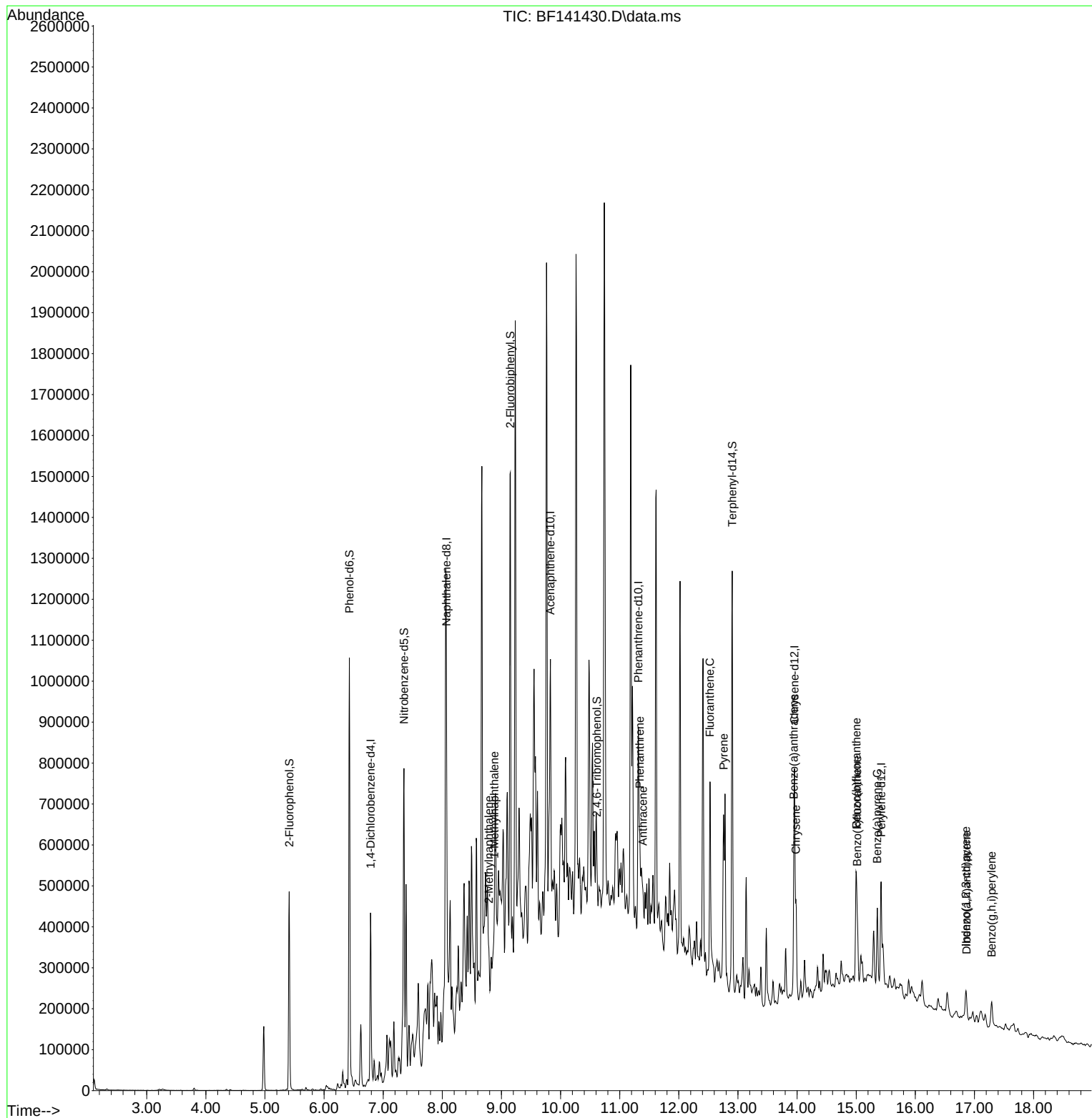
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141430.D
Acq On : 05 Feb 2025 00:48
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ALS Vial : 22 Sample Multiplier: 1

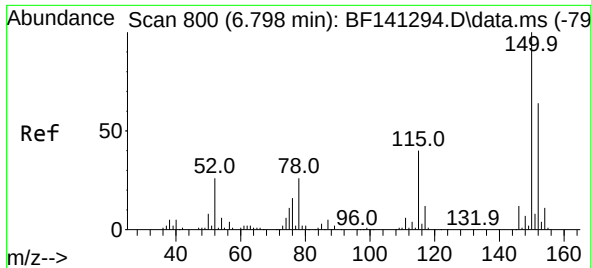
Instrument :
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Quant Time: Feb 05 02:12:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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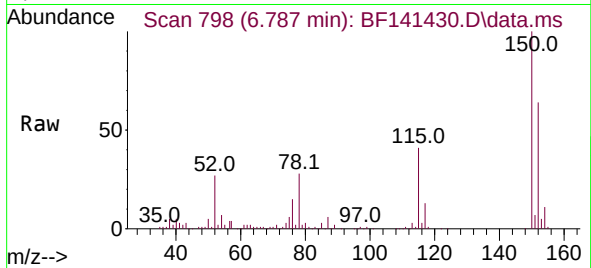
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

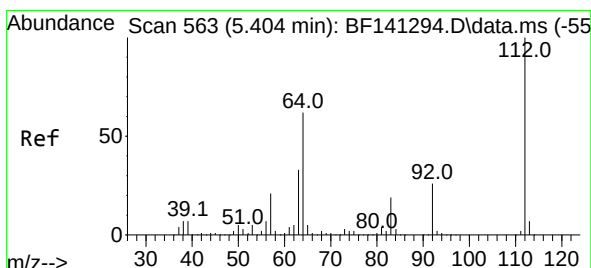
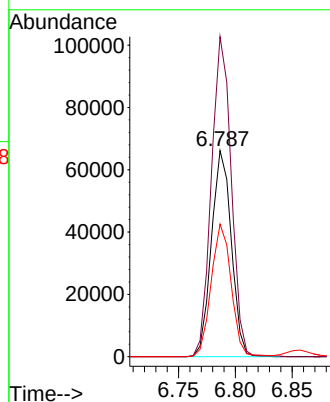
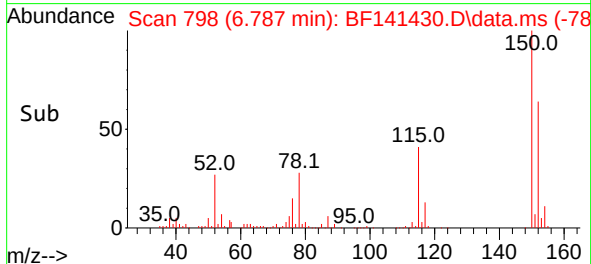
Instrument :
BNA_F
ClientSampleId :
TR-05-020325



Tgt Ion:152 Resp: 80458
Ion Ratio Lower Upper
152 100
150 155.3 125.9 188.9
115 64.3 49.7 74.5

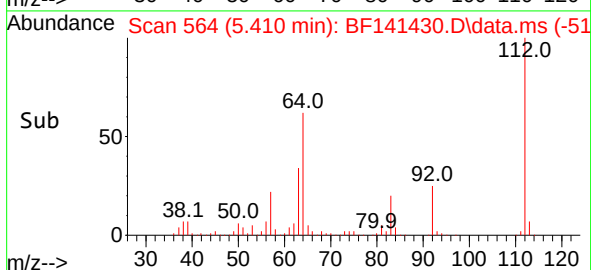
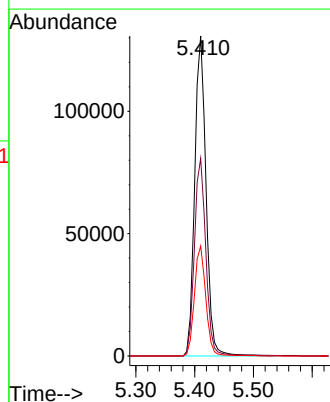
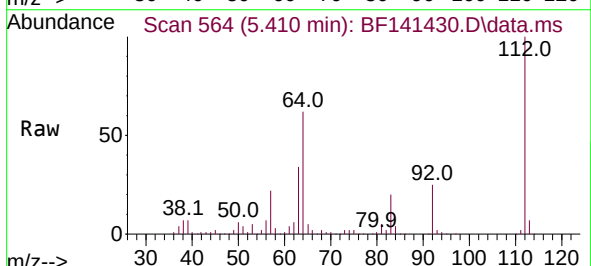
Manual Integrations
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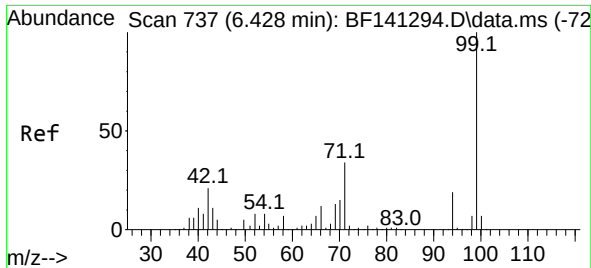
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#5
2-Fluorophenol
Concen: 33.512 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:112 Resp: 175631
Ion Ratio Lower Upper
112 100
64 61.8 49.8 74.8
63 34.4 26.1 39.1





#7

Phenol-d6

Concen: 65.810 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141430.D

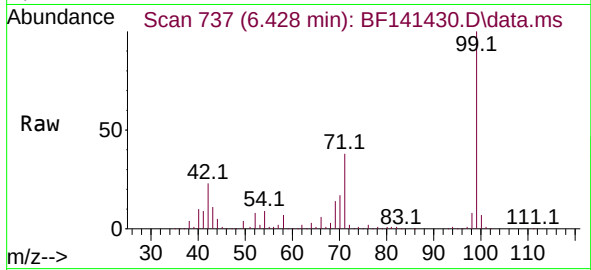
Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325



Tgt Ion: 99 Resp: 43875

Ion Ratio Lower Upper

99 100

42 23.0 17.1 25.7

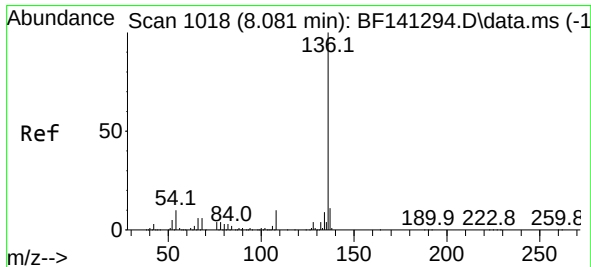
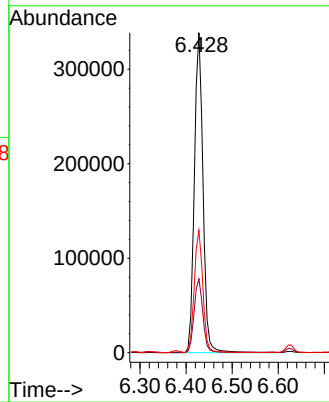
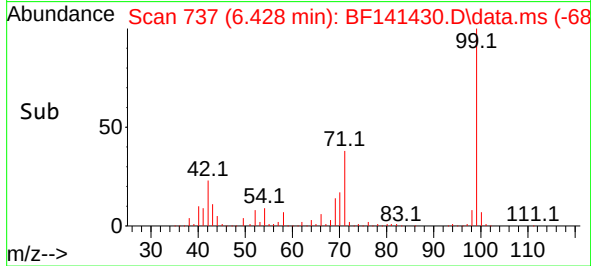
71 38.2 26.9 40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.018 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Tgt Ion:136 Resp: 301239

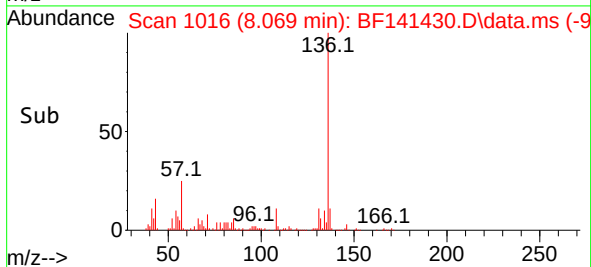
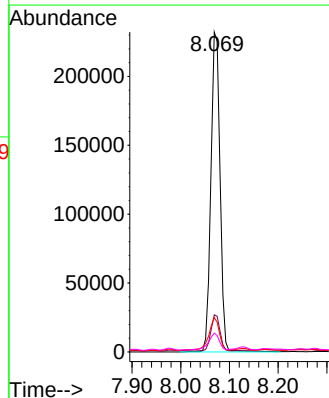
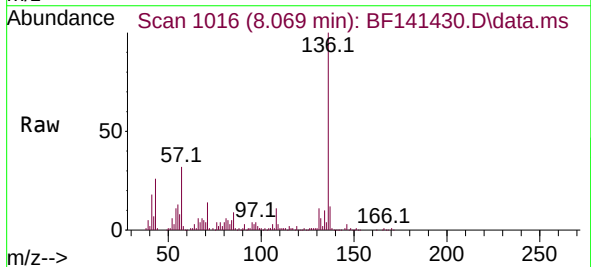
Ion Ratio Lower Upper

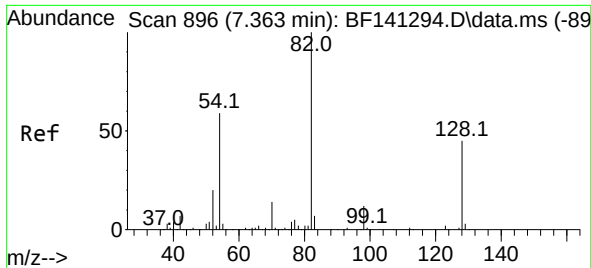
136 100

137 11.6 8.6 13.0

54 10.7 7.8 11.8

68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 52.478 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325

Tgt Ion: 82 Resp: 299875

Ion Ratio Lower Upper

82 100

128 43.4 35.7 53.5

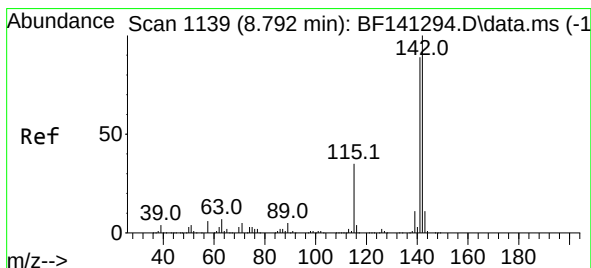
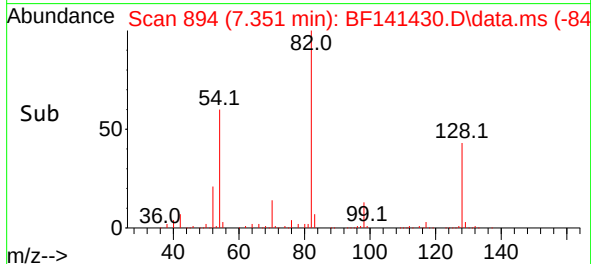
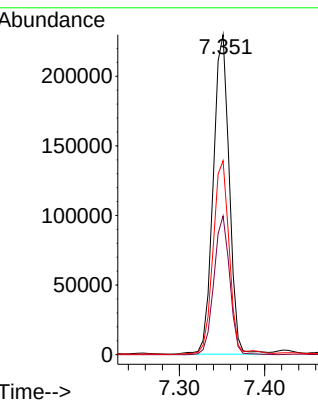
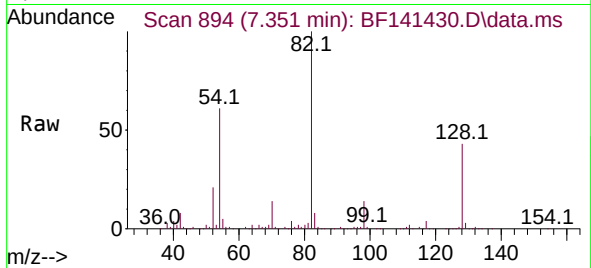
54 60.6 47.1 70.7

Manual Integrations

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#37

2-Methylnaphthalene

Concen: 2.982 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141430.D

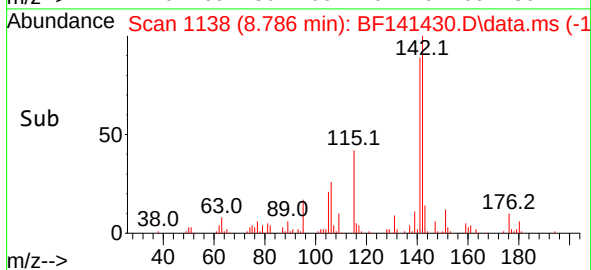
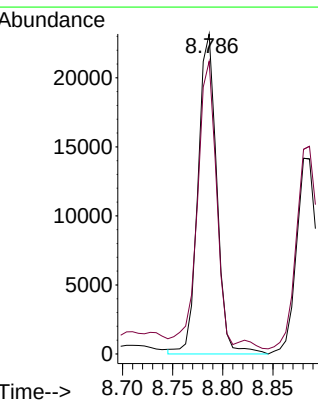
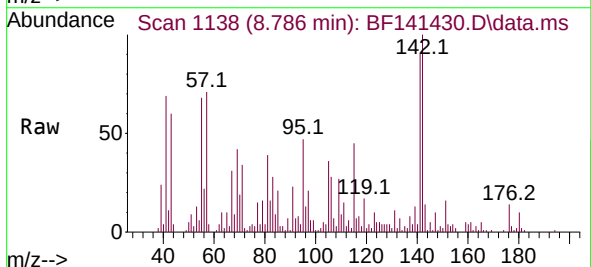
Acq: 05 Feb 2025 00:48

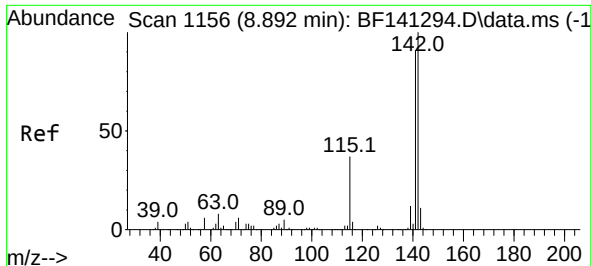
Tgt Ion:142 Resp: 30162

Ion Ratio Lower Upper

142 100

141 91.4 71.3 106.9





#38
1-Methylnaphthalene
Concen: 2.156 ng
RT: 8.881 min Scan# 1156
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

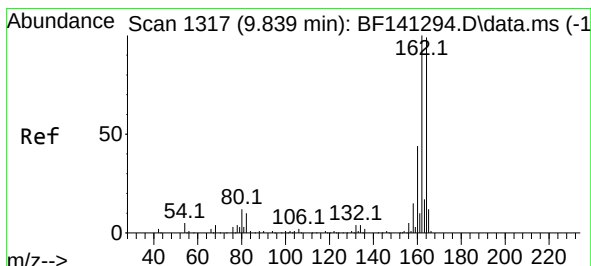
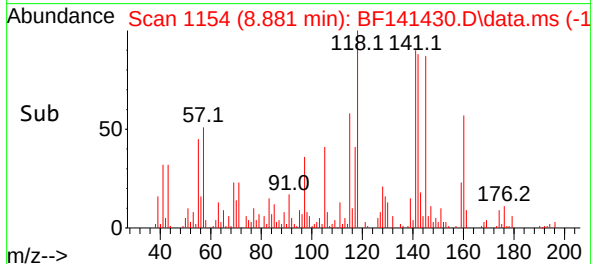
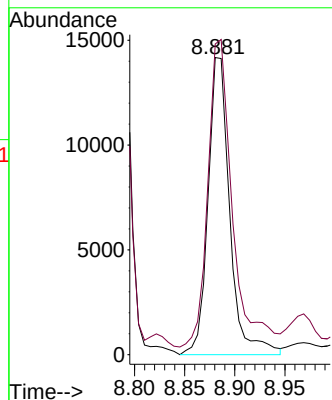
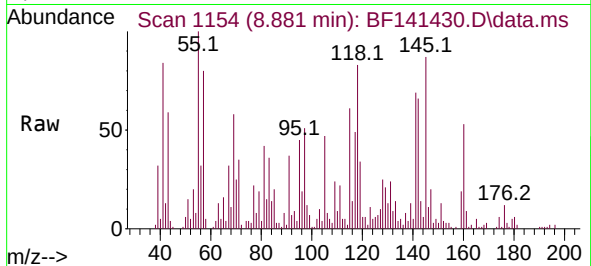
TR-05-020325

Tgt Ion:142 Resp: 21424
Ion Ratio Lower Upper
142 100
141 104.5 73.2 109.8

Manual Integrations

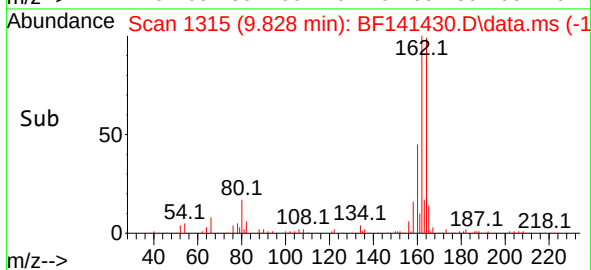
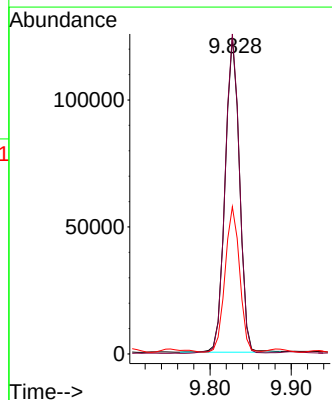
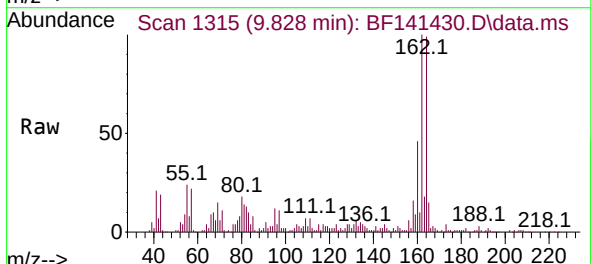
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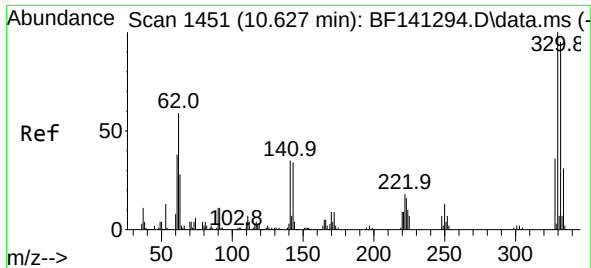
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:164 Resp: 153391
Ion Ratio Lower Upper
164 100
162 101.1 80.6 121.0
160 46.5 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 10.168 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

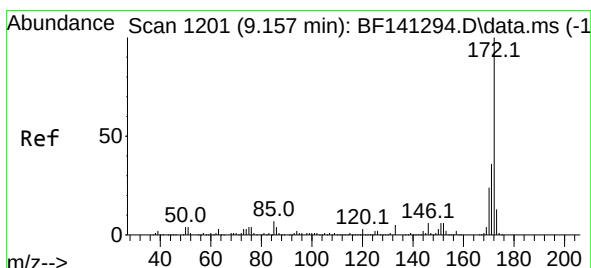
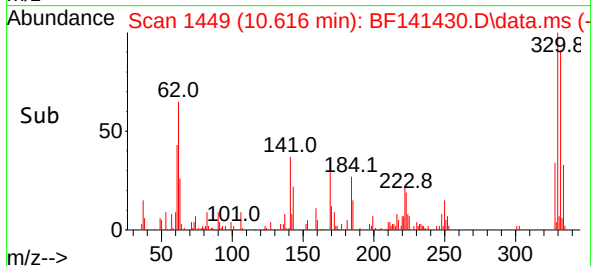
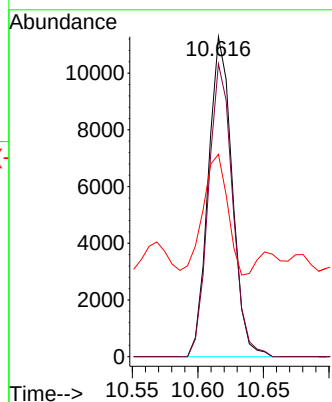
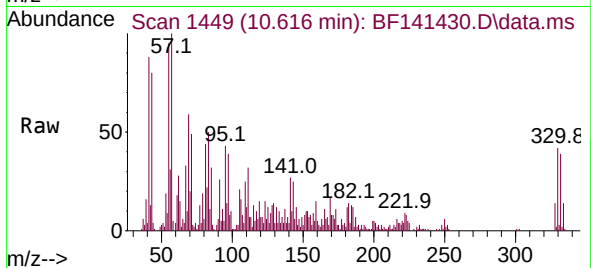
TR-05-020325

Tgt Ion:330 Resp: 14298
Ion Ratio Lower Upper
330 100
332 92.9 76.1 114.1
141 38.5 28.8 43.2

Manual Integrations

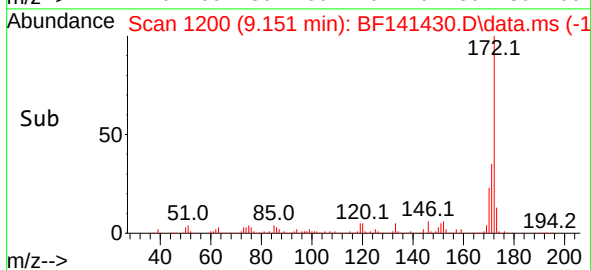
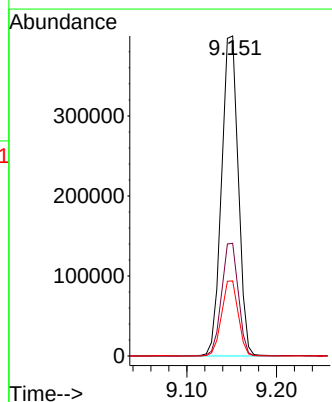
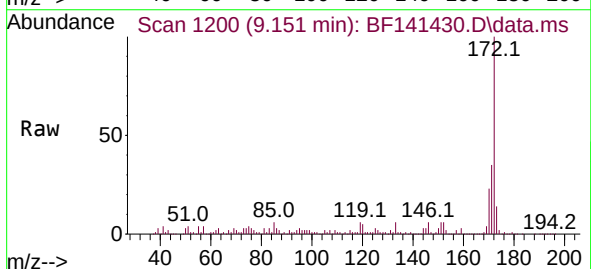
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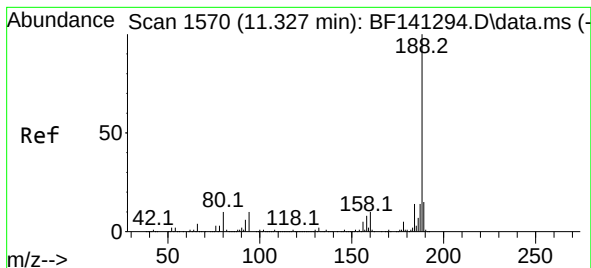
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#45
2-Fluorobiphenyl
Concen: 52.028 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:172 Resp: 518493
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325

Tgt Ion:188 Resp: 23640

Ion Ratio Lower Upper

188 100

94 8.7 7.8 11.6

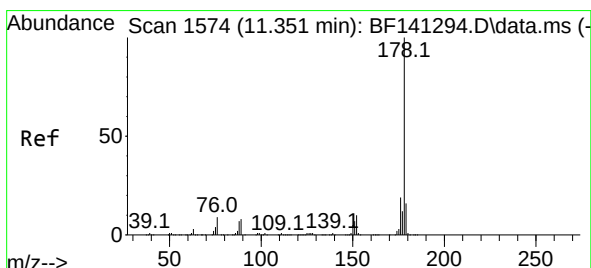
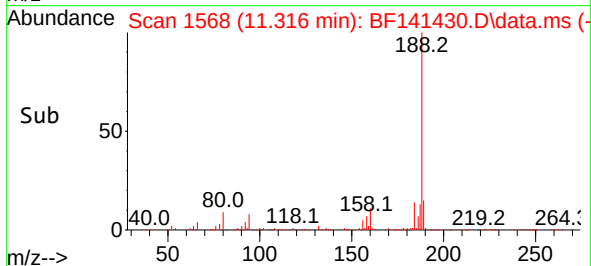
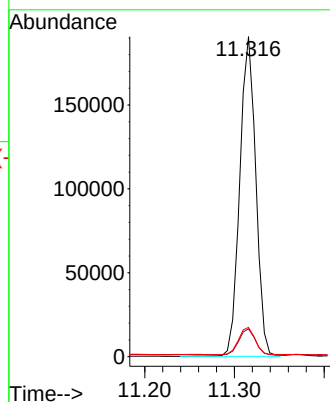
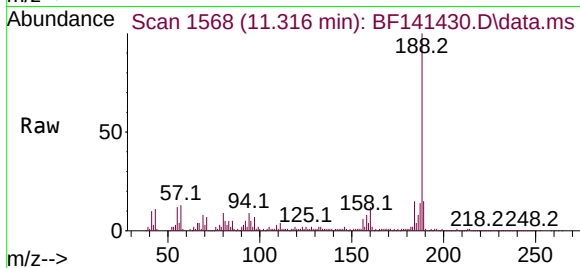
80 9.2 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#71

Phenanthrene

Concen: 8.115 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

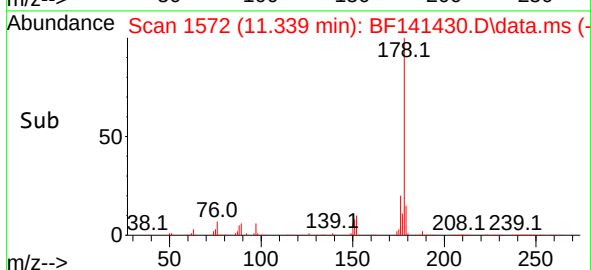
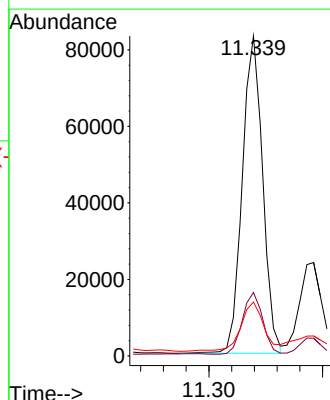
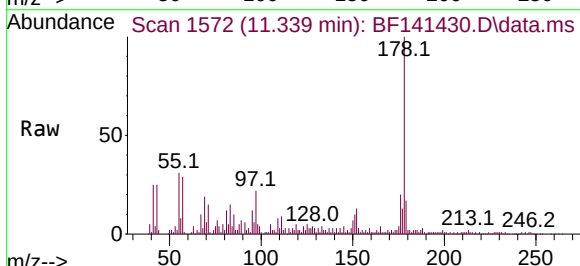
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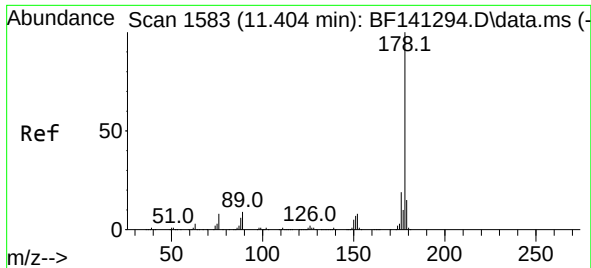
Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

179 16.9 12.5 18.7





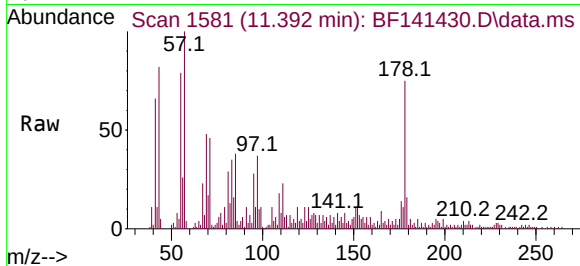
#72
 Anthracene
 Concen: 2.345 ng m
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141430.D
 Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325



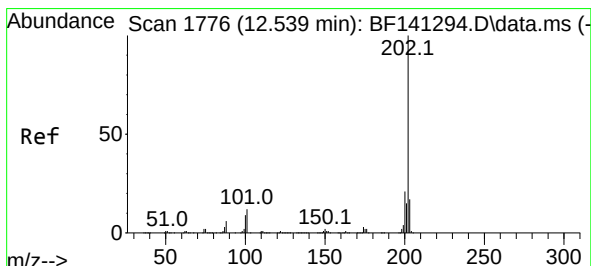
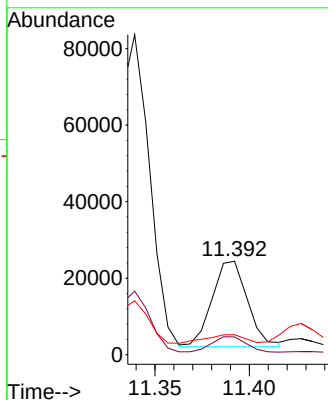
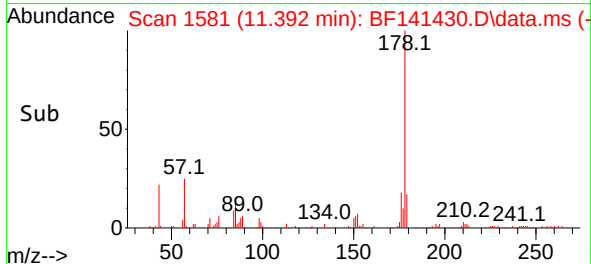
Tgt Ion:178 Resp: 2920
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 178 100
 176 19.0 15.0 22.6
 179 21.4 12.3 18.5

Manual Integrations

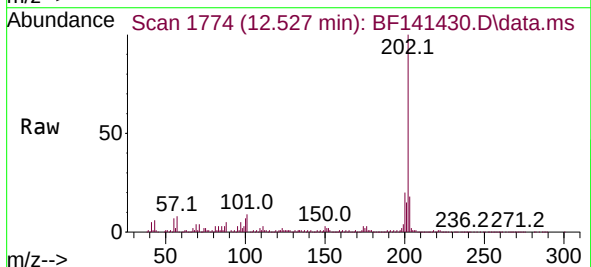
APPROVED

Reviewed By :Yogesh Patel 02/05/2025

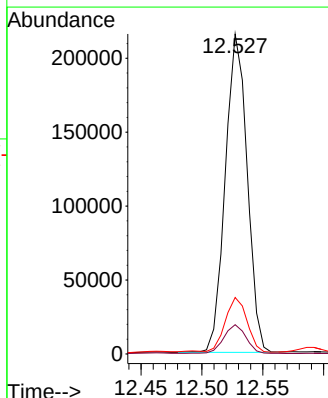
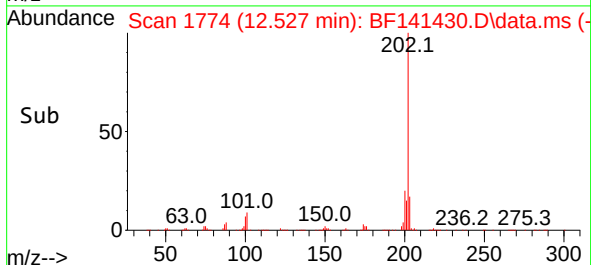
Supervised By :mohammad ahmed 02/05/2025

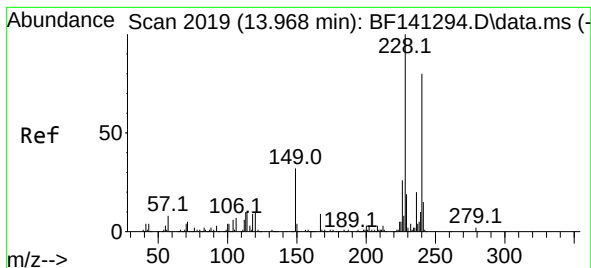


#75
 Fluoranthene
 Concen: 21.511 ng
 RT: 12.527 min Scan# 1774
 Delta R.T. -0.012 min
 Lab File: BF141430.D
 Acq: 05 Feb 2025 00:48



Tgt Ion:202 Resp: 269907
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 31.7
 203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325

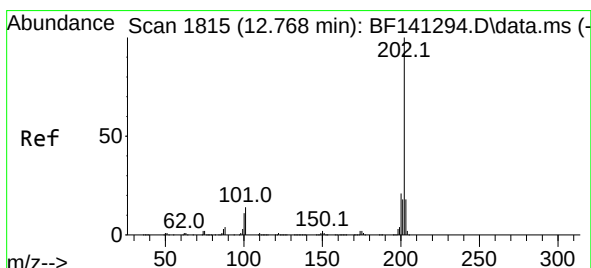
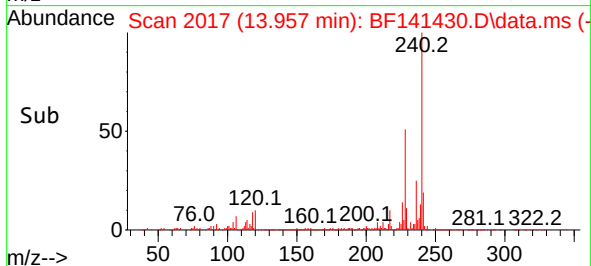
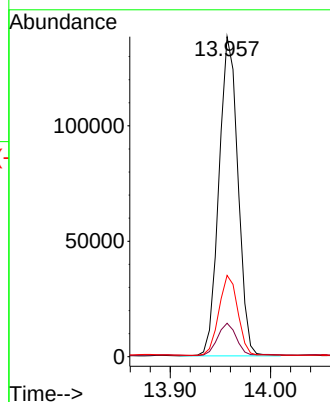
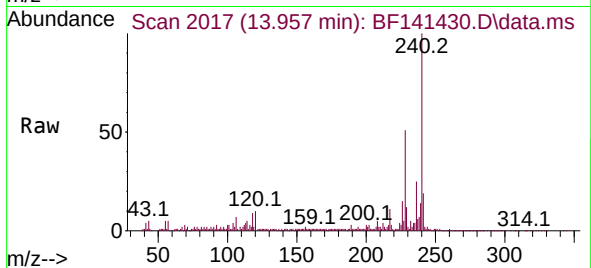
Tgt Ion:240 Resp: 181759
 Ion Ratio Lower Upper
 240 100
 120 10.5 10.0 15.0
 236 25.4 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#78

Pyrene

Concen: 13.478 ng

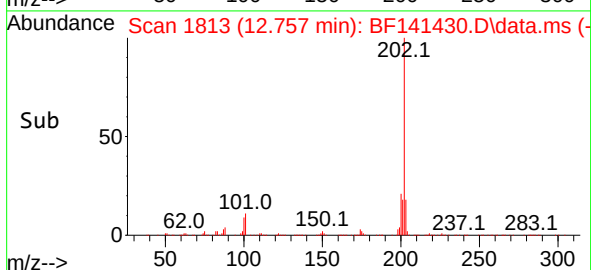
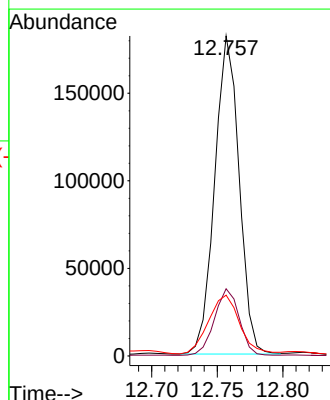
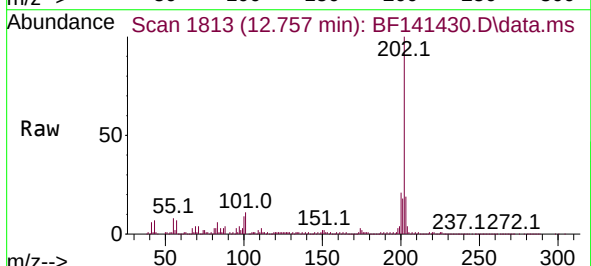
RT: 12.757 min Scan# 1813

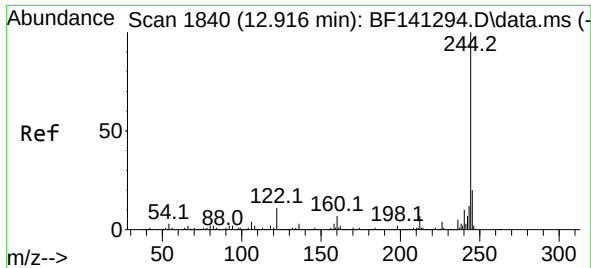
Delta R.T. -0.012 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Tgt Ion:202 Resp: 235150
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 19.0 14.3 21.5





#79
Terphenyl-d14
Concen: 40.202 ng
RT: 12.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325

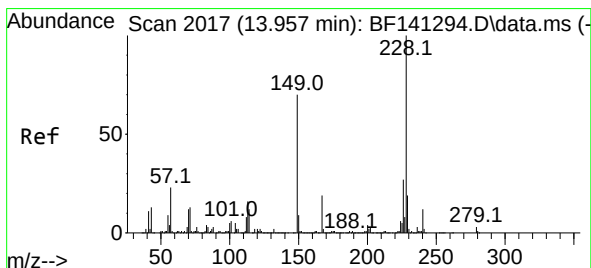
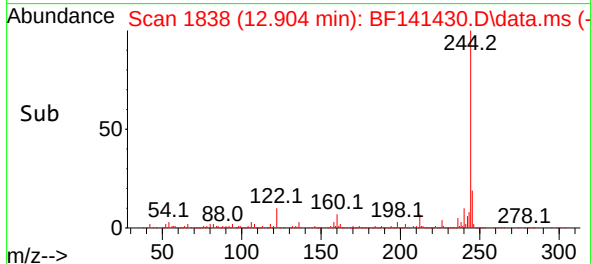
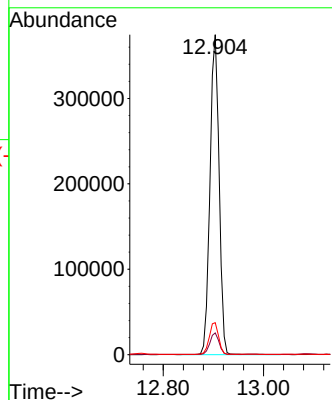
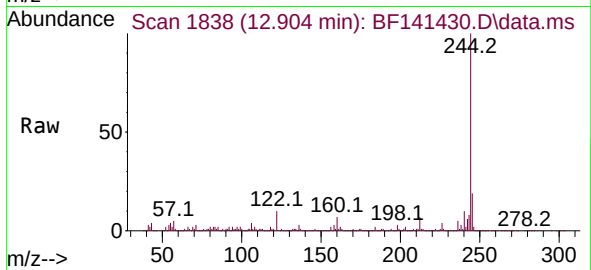
Tgt Ion:244 Resp: 473815
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.0 8.8 13.2

Manual Integrations

APPROVED

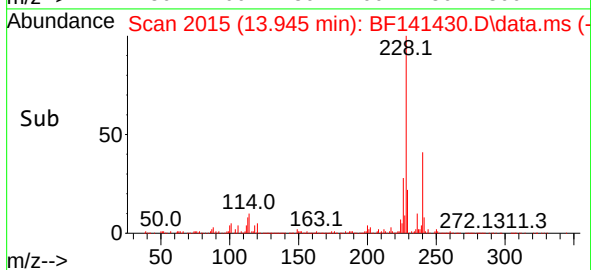
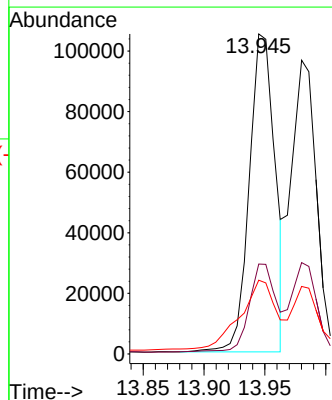
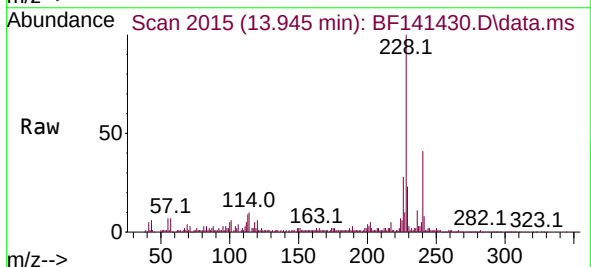
Reviewed By :Yogesh Patel 02/05/2025

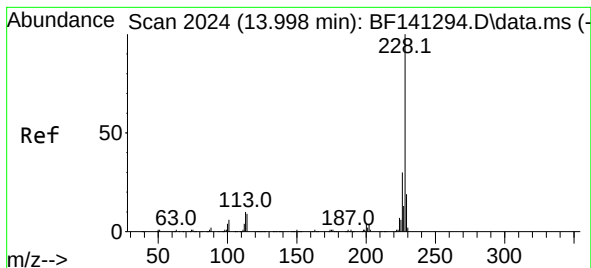
Supervised By :mohammad ahmed 02/05/2025



#81
Benzo(a)anthracene
Concen: 12.317 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141430.D
Acq: 05 Feb 2025 00:48

Tgt Ion:228 Resp: 154487
Ion Ratio Lower Upper
228 100
226 28.1 21.4 32.2
229 23.1 15.5 23.3





#83

Chrysene

Concen: 11.959 ng

RT: 13.980 min Scan# 2024

Delta R.T. -0.018 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325

Tgt Ion:228 Resp: 137464

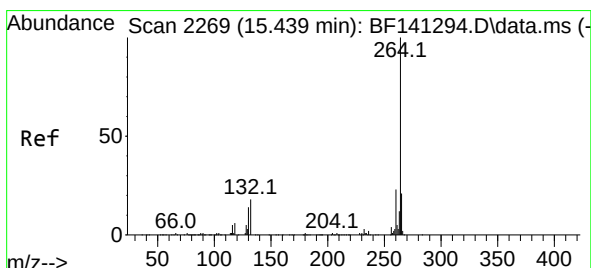
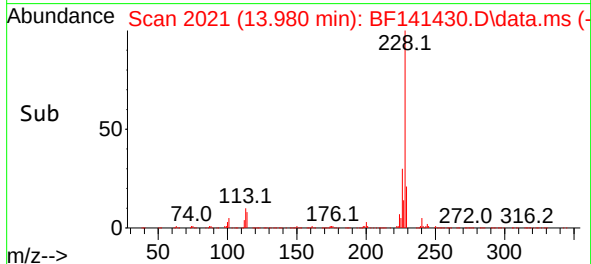
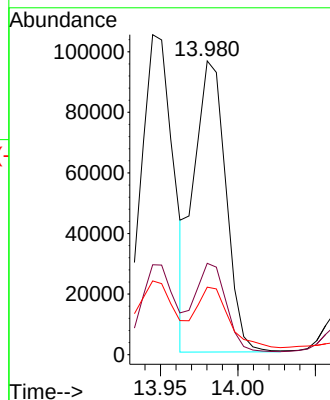
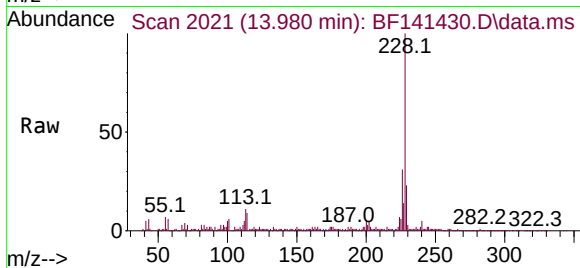
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.1	36.1
229	23.0	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

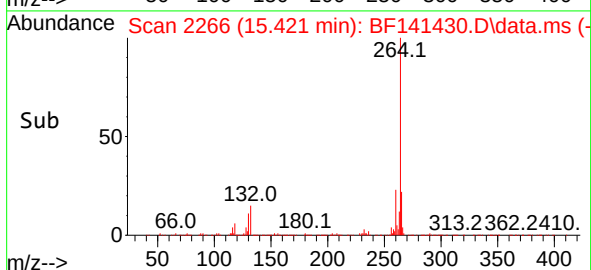
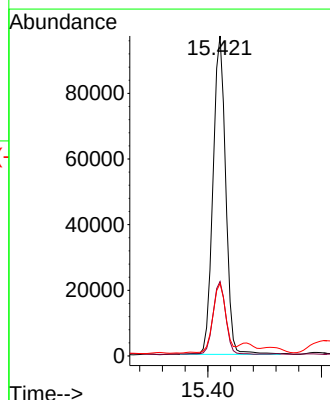
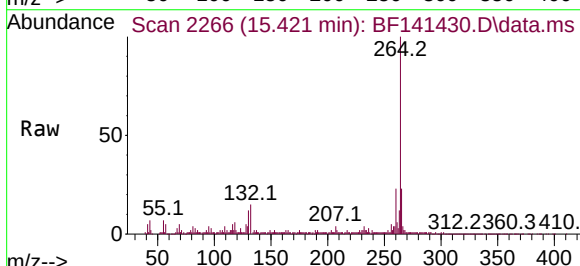
Delta R.T. -0.018 min

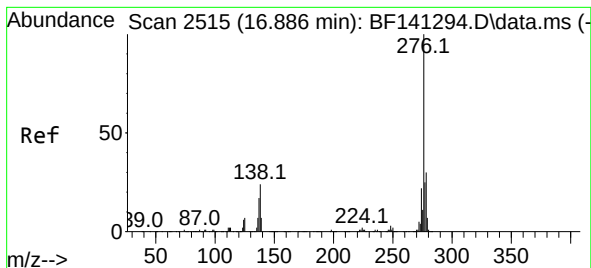
Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Tgt Ion:264 Resp: 149424

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	22.7	16.7	25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.718 ng

RT: 16.856 min Scan# 2195

Delta R.T. -0.041 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325

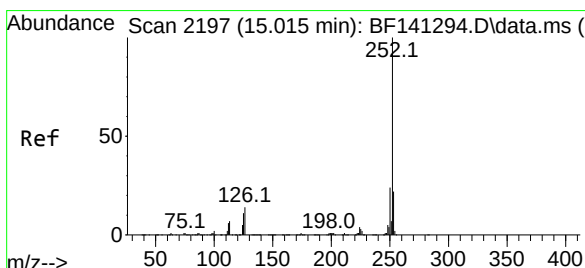
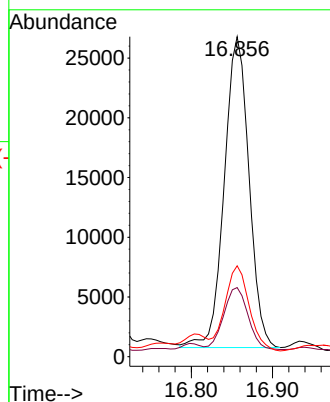
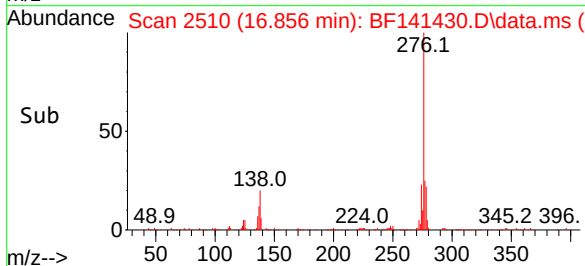
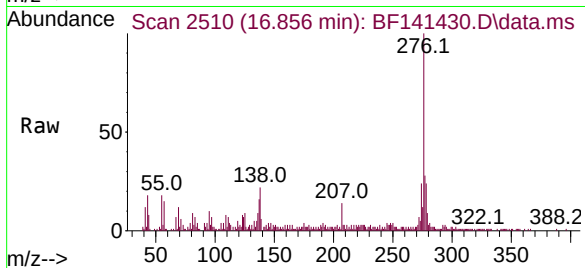
Tgt Ion:	276	Resp:	5514
Ion Ratio	Lower	Upper	
276	100		
138	21.7	21.7	32.5
277	26.9	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#88

Benzo(b)fluoranthene

Concen: 18.528 ng m

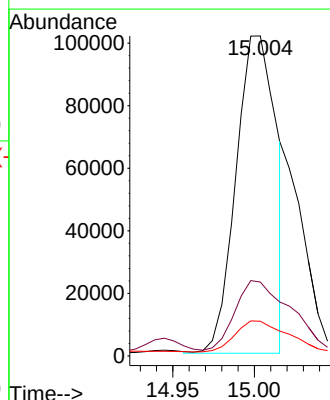
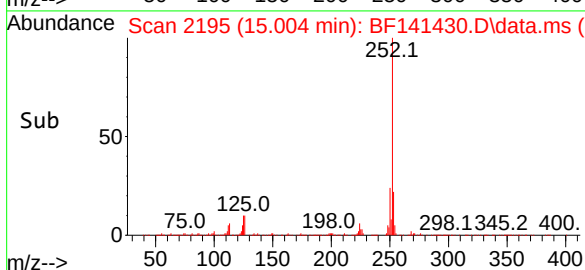
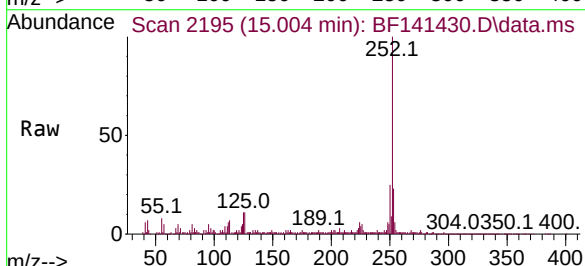
RT: 15.004 min Scan# 2195

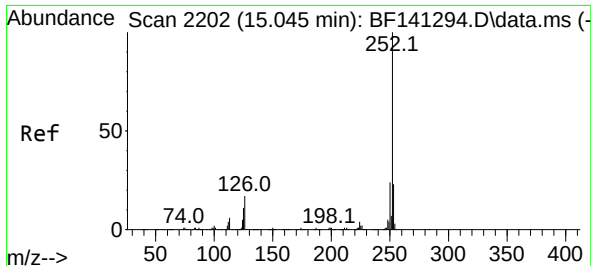
Delta R.T. -0.018 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Tgt Ion:	252	Resp:	174148
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	10.8	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 6.596 ng m

RT: 15.015 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

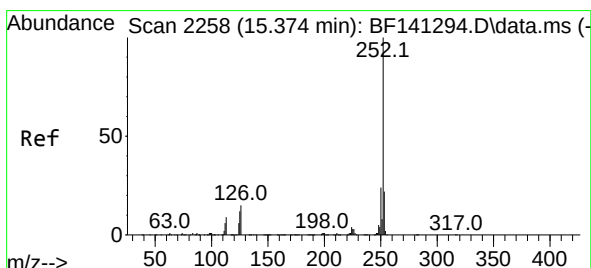
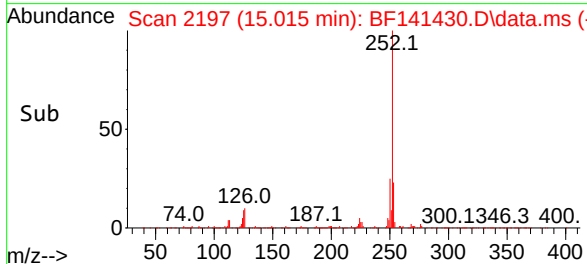
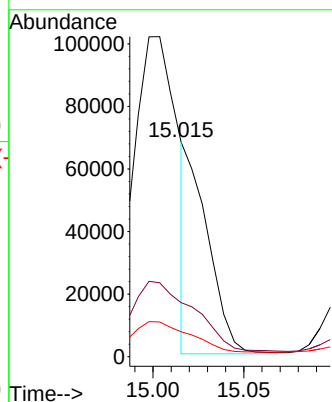
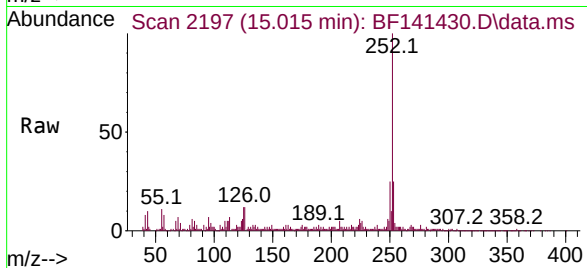
TR-05-020325

Tgt Ion:252 Resp: 54925
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.6 26.4
 125 11.6 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#90

Benzo(a)pyrene

Concen: 14.462 ng

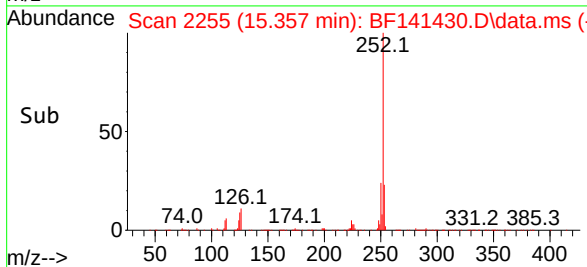
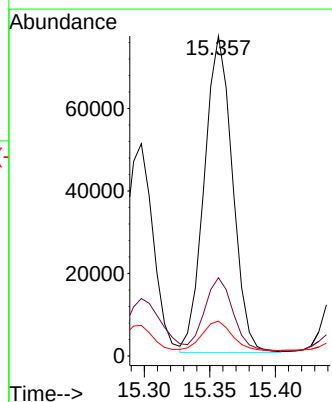
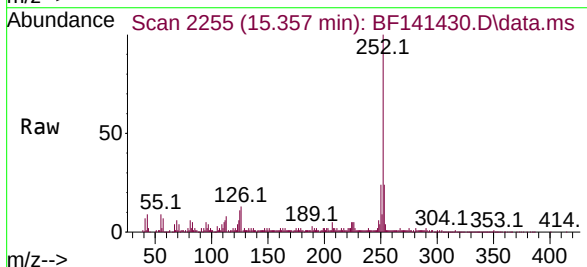
RT: 15.357 min Scan# 2255

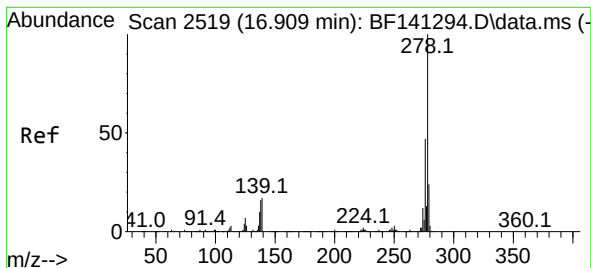
Delta R.T. -0.024 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Tgt Ion:252 Resp: 114865
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.2 25.8
 125 10.9 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 2.147 ng

RT: 16.868 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Instrument :

BNA_F

ClientSampleId :

TR-05-020325

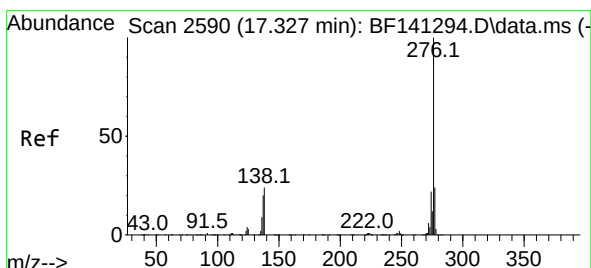
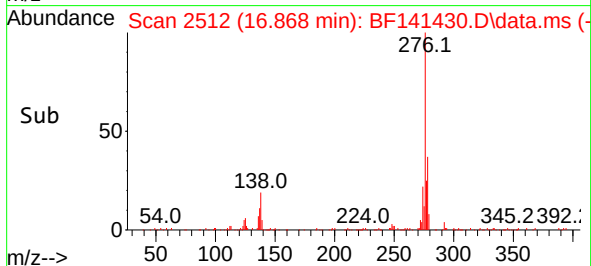
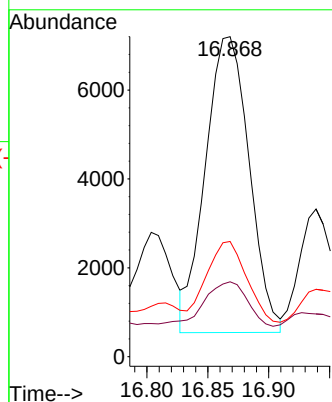
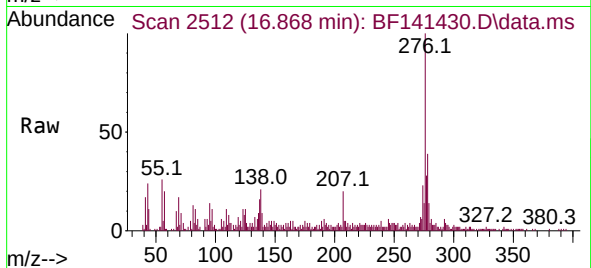
Tgt Ion:	278	Resp:	16650
Ion Ratio	Lower	Upper	
278	100		
139	23.4	13.9	20.9
279	36.0	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#92

Benzo(g,h,i)perylene

Concen: 6.827 ng

RT: 17.292 min Scan# 2584

Delta R.T. -0.053 min

Lab File: BF141430.D

Acq: 05 Feb 2025 00:48

Tgt Ion:	276	Resp:	55078
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.2	28.8
138	20.8	19.0	28.4

