

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140283.D
 Acq On : 07 Nov 2024 18:51
 Operator : RC/JU
 Sample : P4694-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-03A

Quant Time: Nov 08 01:30:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 11/08/2024

Supervised By :mohammad
 ahmed
 11/11/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	115072	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	403531	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	185837	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	294503	20.000	ng	0.00
76) Chrysene-d12	14.057	240	220980	20.000	ng	0.00
86) Perylene-d12	15.539	264	169787	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	804335	115.836	ng	0.00
7) Phenol-d6	6.498	99	990642	110.918	ng	0.00
23) Nitrobenzene-d5	7.434	82	647904	79.827	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	194475	105.871	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1056512	90.781	ng	0.00
79) Terphenyl-d14	12.992	244	1069813	79.305	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.181	128	84072	4.035	ng	99
49) Acenaphthylene	9.775	152	39220	2.740	ng	99
52) Acenaphthene	9.945	154	57131	5.627	ng	99
55) Dibenzofuran	10.116	168	58323	4.108	ng	# 96
58) Fluorene	10.463	166	71329	6.312	ng	99
71) Phenanthrene	11.433	178	936723	66.648	ng	99
72) Anthracene	11.480	178	224322	16.277	ng	100
73) Carbazole	11.633	167	98120	7.792	ng	99
75) Fluoranthene	12.627	202	1448139	98.539	ng	99
78) Pyrene	12.857	202	1343538	73.636	ng	99
81) Benzo(a)anthracene	14.045	228	681863	48.081	ng	97
83) Chrysene	14.080	228	521450	39.265	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	205268	20.596	ng	95
88) Benzo(b)fluoranthene	15.104	252	534862m	52.080	ng	
89) Benzo(k)fluoranthene	15.121	252	174897m	18.559	ng	
90) Benzo(a)pyrene	15.474	252	364710	43.072	ng	97
91) Dibenzo(a,h)anthracene	17.057	278	51545	6.286	ng	# 87
92) Benzo(g,h,i)perylene	17.504	276	195051	23.319	ng	99

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

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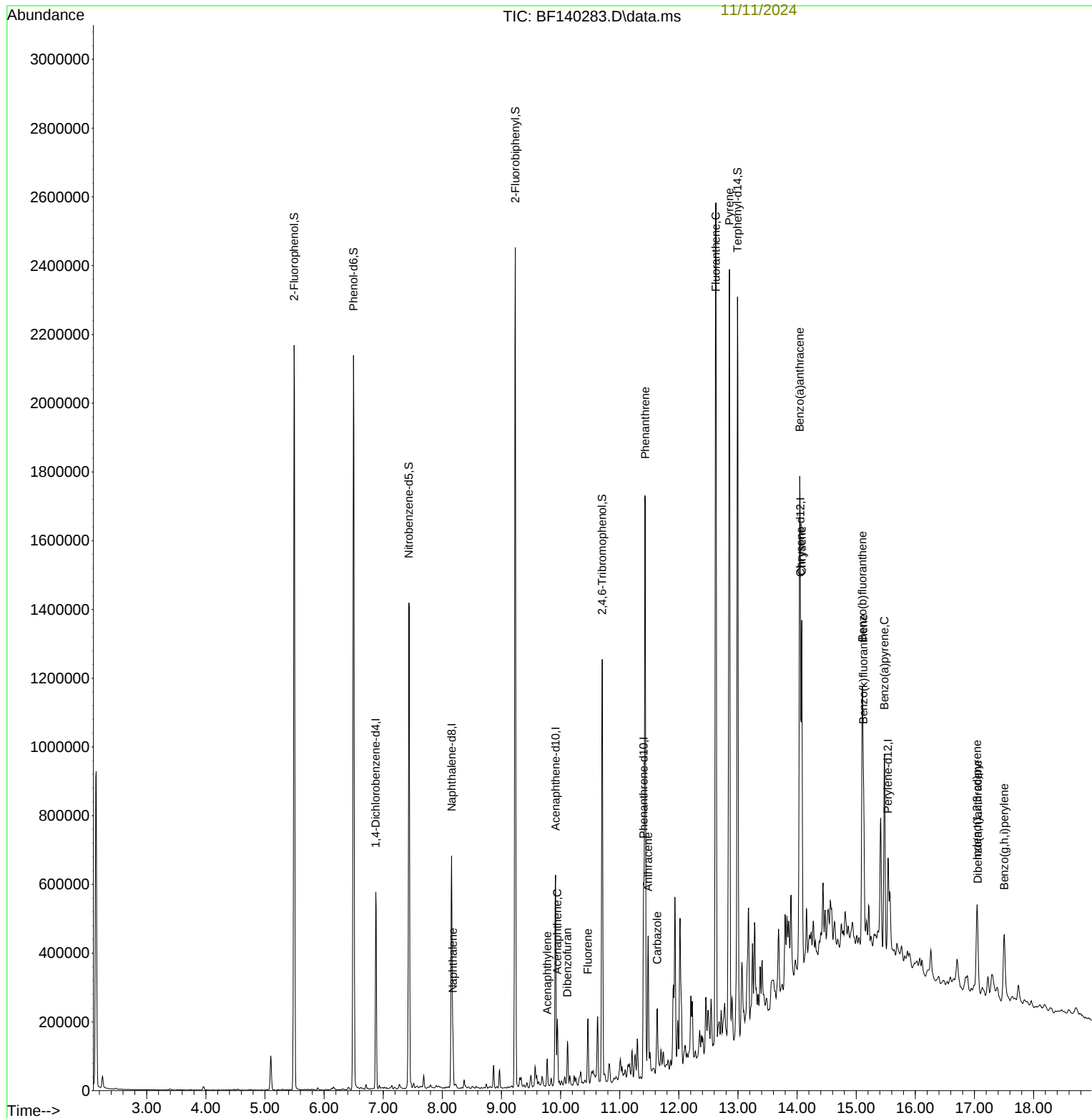
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BNA_F
ClientSampleId :
Z-03A

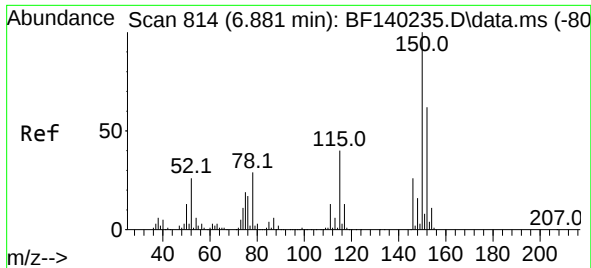
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11/08/2024

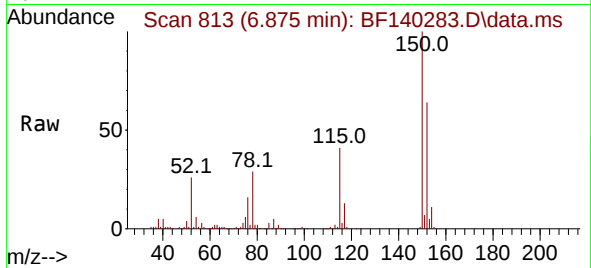
Supervised By :mohammad
ahmed
11/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
Z-03A

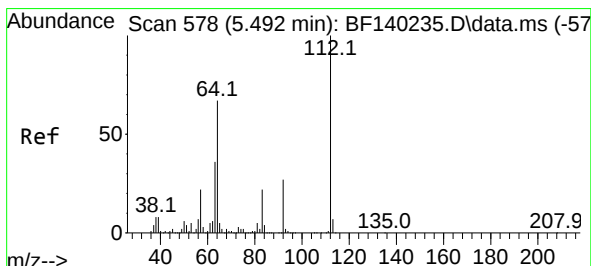
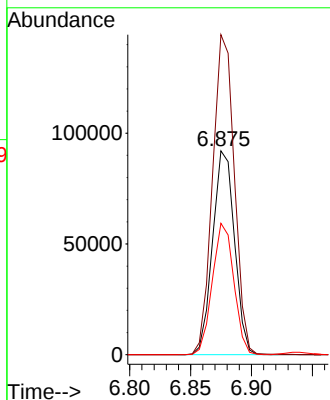
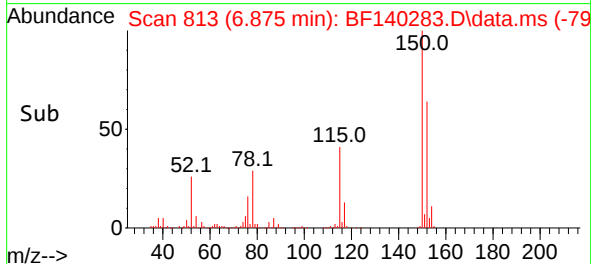


Tgt Ion:152 Resp: 115072
Ion Ratio Lower Upper
152 100
150 157.0 129.4 194.2
115 64.4 51.5 77.3

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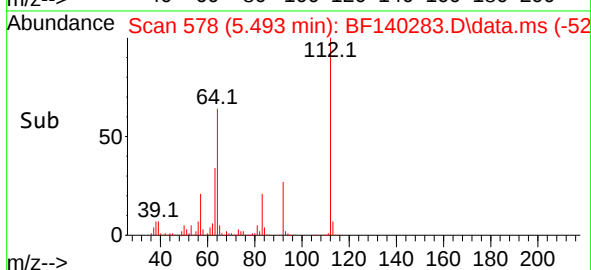
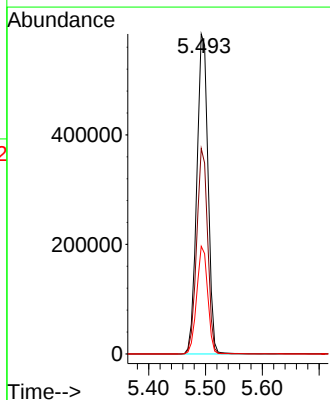
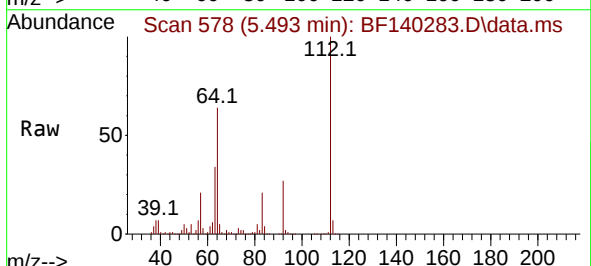
Reviewed By :Yogesh
Patel
11/08/2024

Supervised By :mohammad
ahmed
11/11/2024



#5
2-Fluorophenol
Concen: 115.836 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

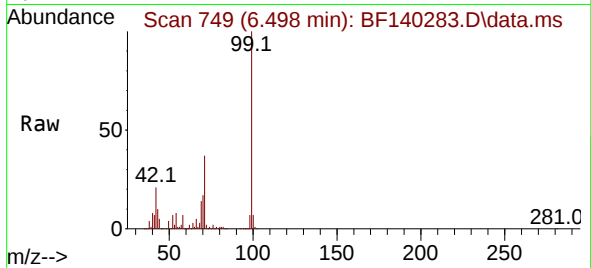
Tgt Ion:112 Resp: 804335
Ion Ratio Lower Upper
112 100
64 64.2 53.4 80.2
63 33.6 28.9 43.3





#7
Phenol-d6
Concen: 110.918 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
Z-03A

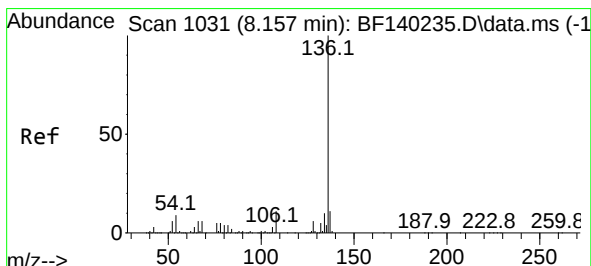
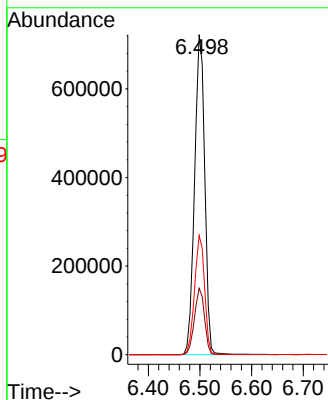
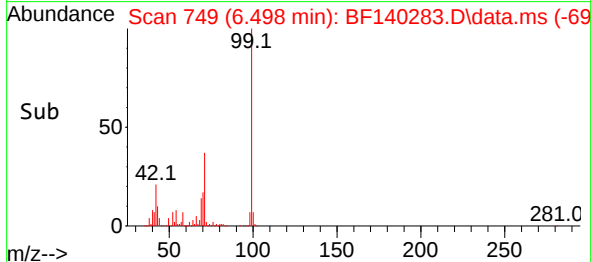


Tgt Ion: 99 Resp: 99064
Ion Ratio Lower Upper
99 100
42 20.7 18.2 27.2
71 37.3 30.9 46.3

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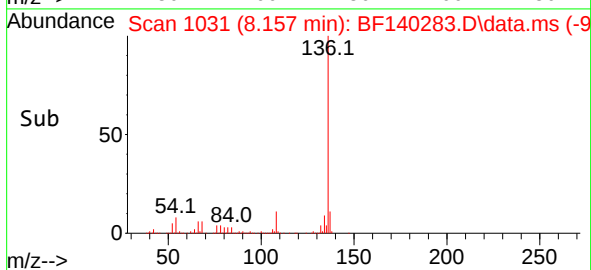
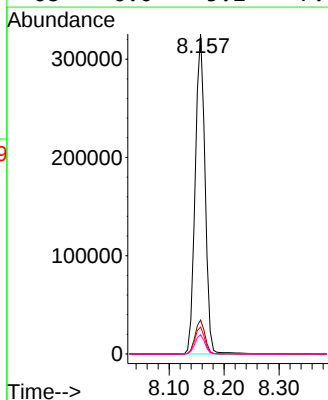
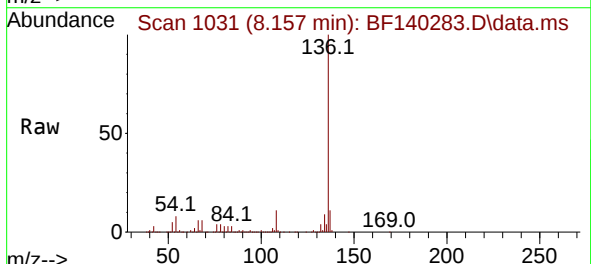
Reviewed By :Yogesh
Patel
11/08/2024

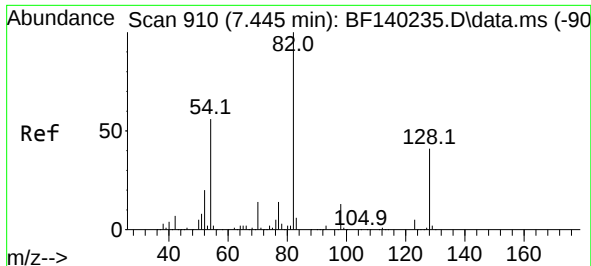
Supervised By :mohammad
ahmed
11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

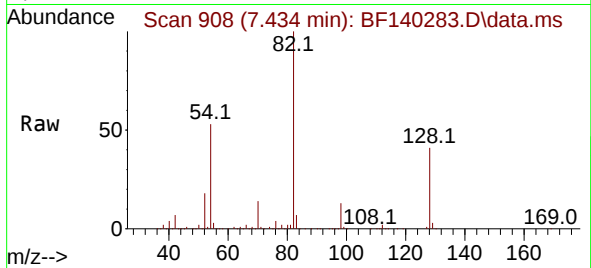
Tgt Ion:136 Resp: 403531
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 8.4 7.7 11.5
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 79.827 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
Z-03A

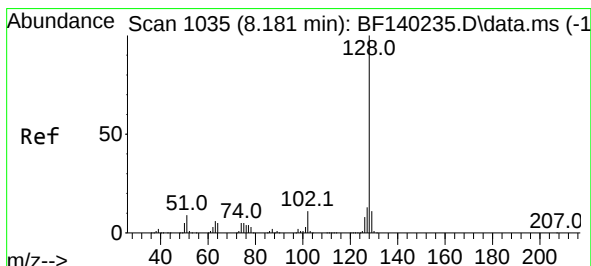
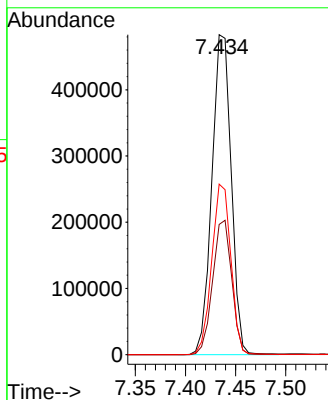
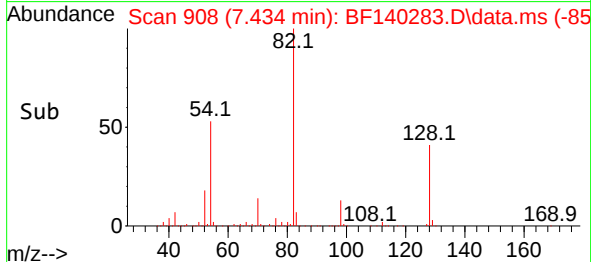


Tgt Ion: 82 Resp: 647904
Ion Ratio Lower Upper
82 100
128 40.7 32.8 49.2
54 53.3 44.3 66.5

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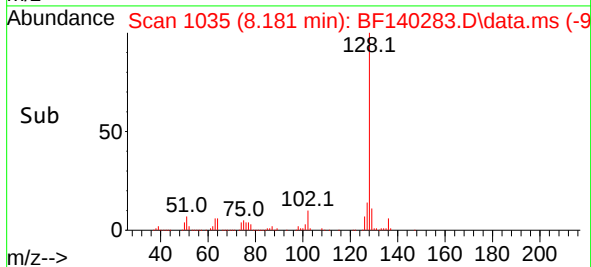
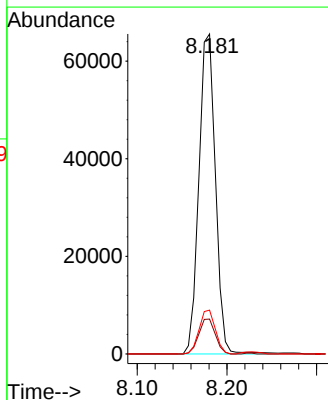
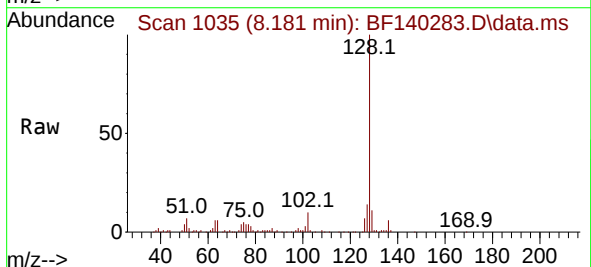
Reviewed By :Yogesh
Patel
11/08/2024

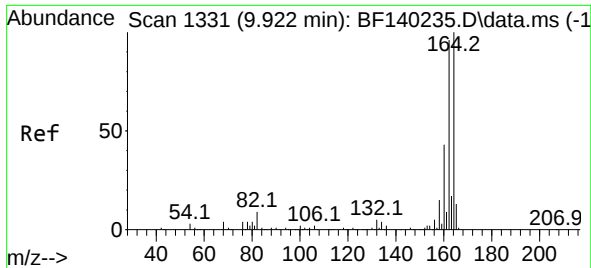
Supervised By :mohammad
ahmed
11/11/2024



#31
Naphthalene
Concen: 4.035 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

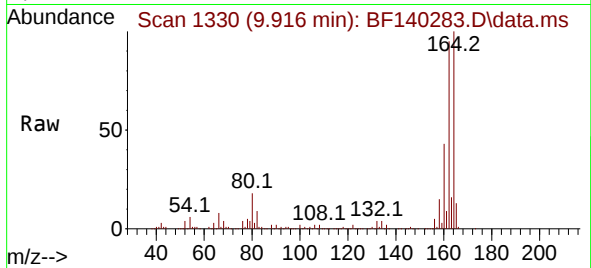
Tgt Ion:128 Resp: 84072
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.7 10.7 16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
Z-03A

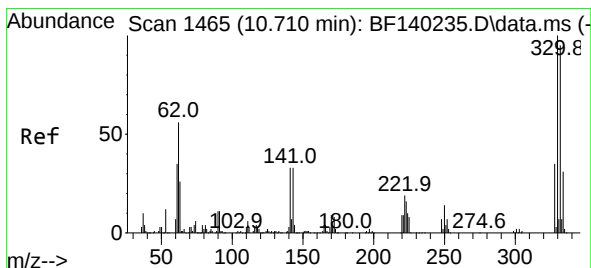
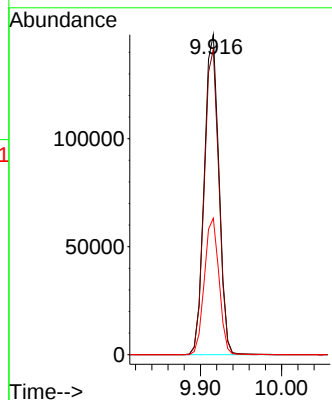


Tgt Ion:164 Resp: 18583
Ion Ratio Lower Upper
164 100
162 95.4 77.0 115.4
160 42.7 34.1 51.1

Manual Integrations
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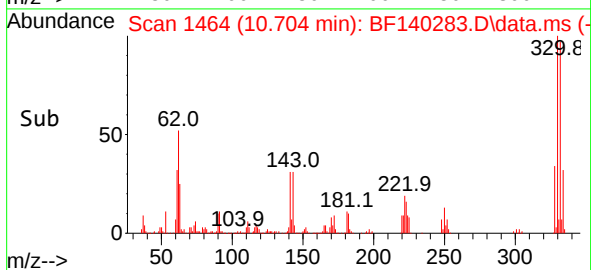
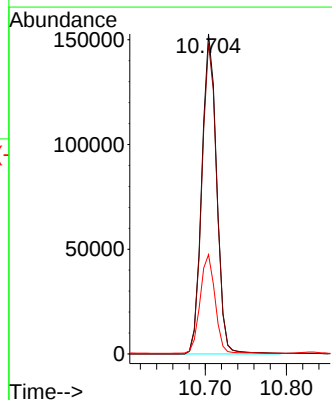
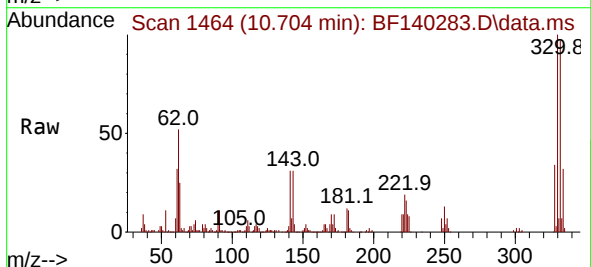
Reviewed By :Yogesh
Patel
11/08/2024

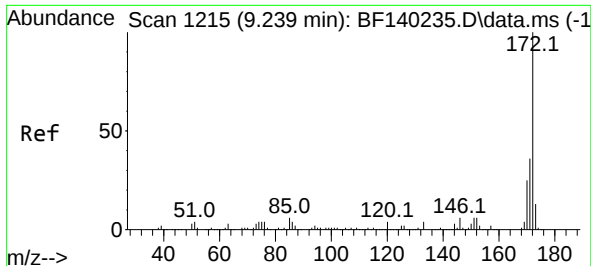
Supervised By :mohammad
ahmed
11/11/2024



#42
2,4,6-Tribromophenol
Concen: 105.871 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Tgt Ion:330 Resp: 194475
Ion Ratio Lower Upper
330 100
332 97.3 76.4 114.6
141 31.0 27.0 40.4





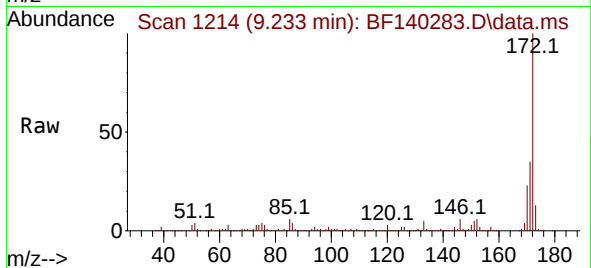
#45
2-Fluorobiphenyl
Concen: 90.781 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

Z-03A



Tgt Ion:172 Resp: 105651
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.4 19.6 29.4

Manual Integrations
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Reviewed By :Yogesh

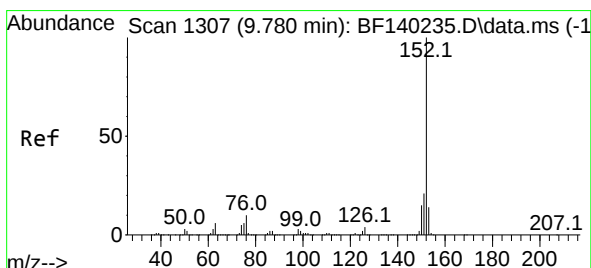
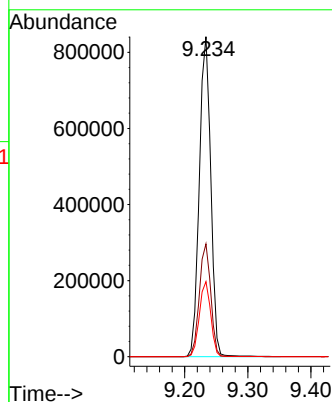
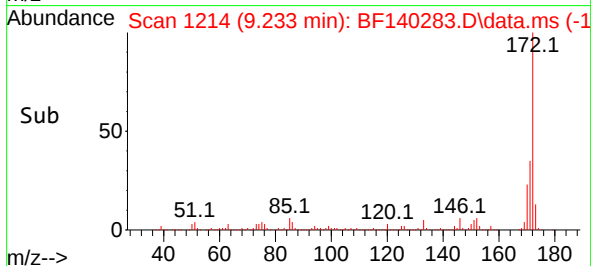
Patel

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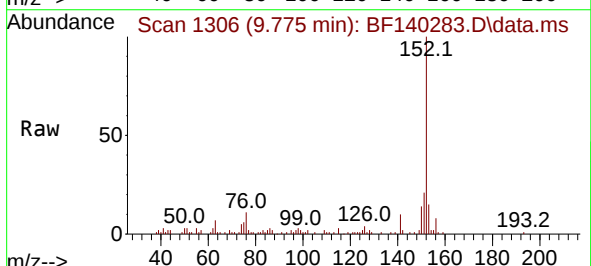
Supervised By :mohammad

ahmed

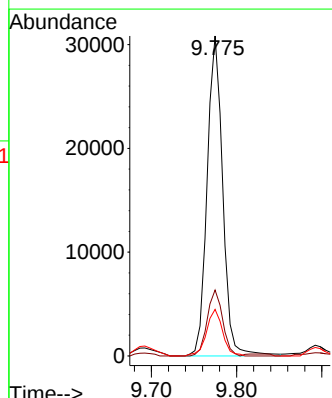
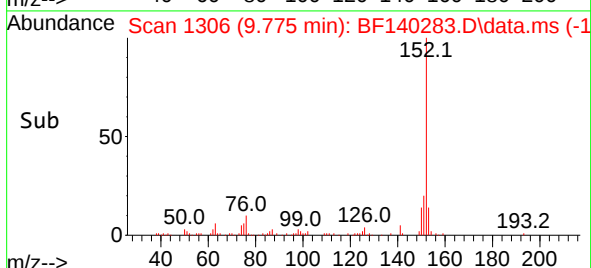
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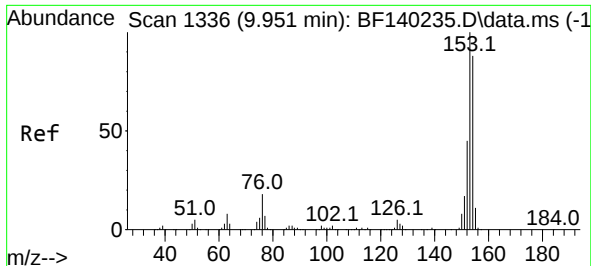


#49
Acenaphthylene
Concen: 2.740 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51



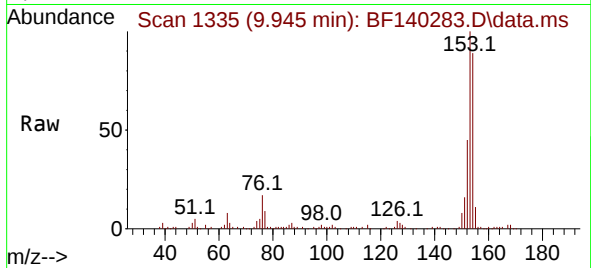
Tgt Ion:152 Resp: 39220
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 14.6 11.1 16.7





#52
Acenaphthene
Concen: 5.627 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
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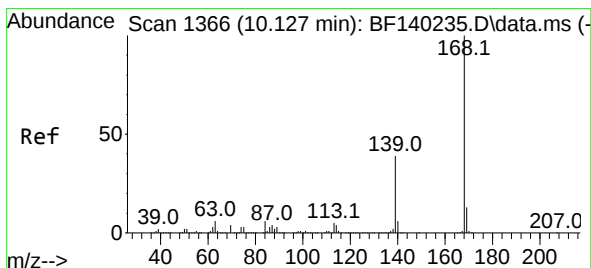
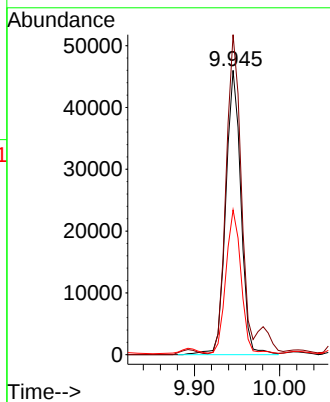
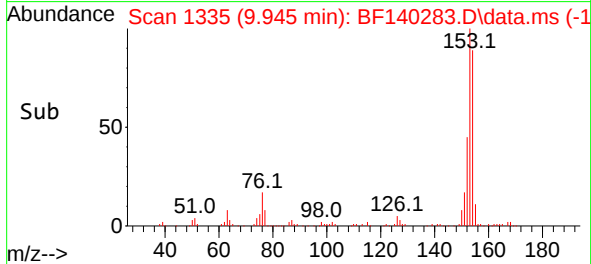


Tgt Ion:154 Resp: 5713
Ion Ratio Lower Upper
154 100
153 112.6 91.3 136.9
152 50.9 41.4 62.2

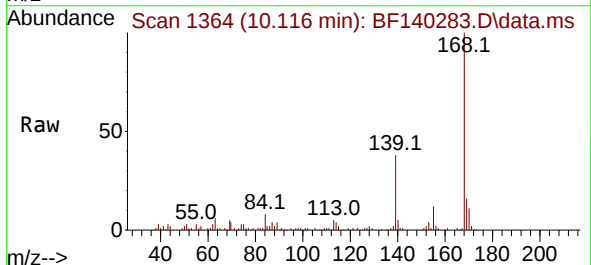
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Patel
11/08/2024

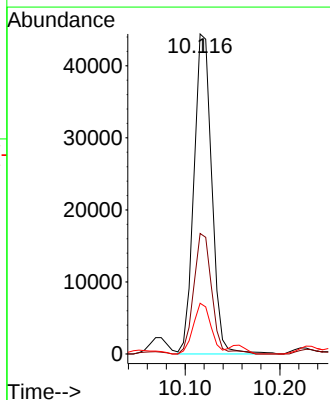
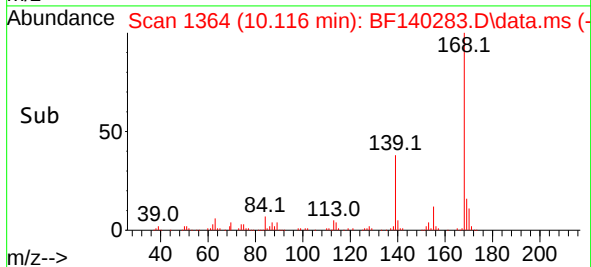
Supervised By :mohammad
ahmed
11/11/2024

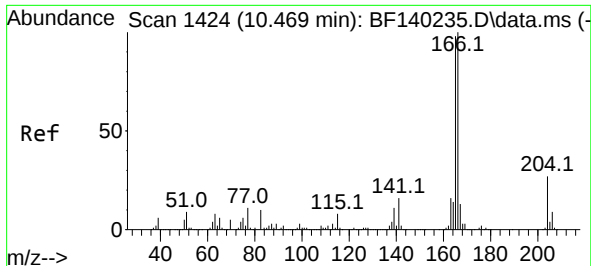


#55
Dibenzofuran
Concen: 4.108 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.011 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51



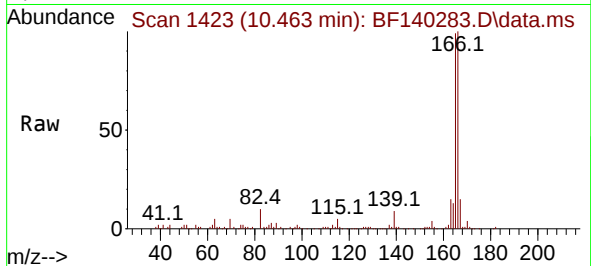
Tgt Ion:168 Resp: 58323
Ion Ratio Lower Upper
168 100
139 37.7 31.5 47.3
169 15.9 10.6 15.8#





#58
Fluorene
Concen: 6.312 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
Z-03A

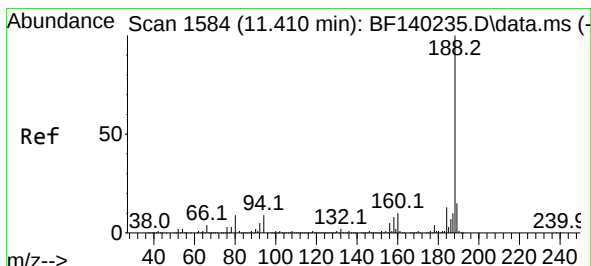
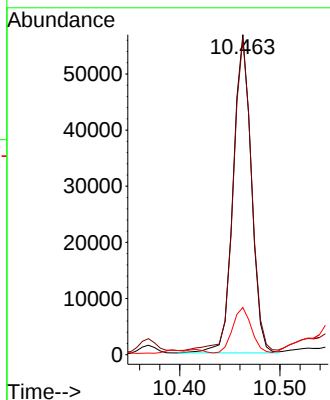
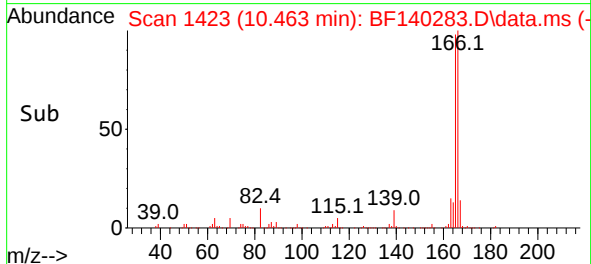


Tgt Ion:166 Resp: 71329
Ion Ratio Lower Upper
166 100
165 98.8 78.7 118.1
167 14.7 10.8 16.2

Manual Integrations
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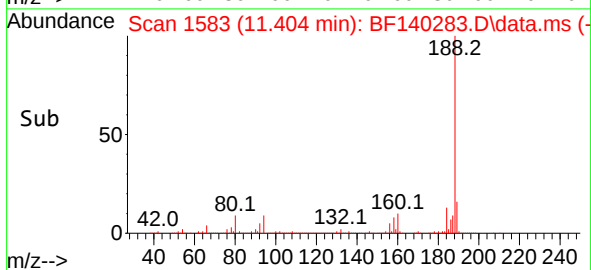
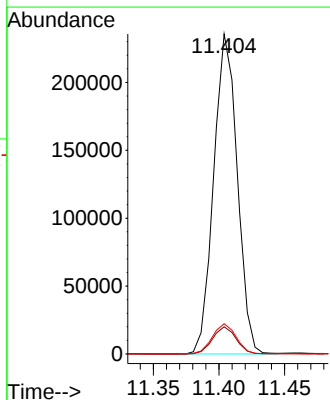
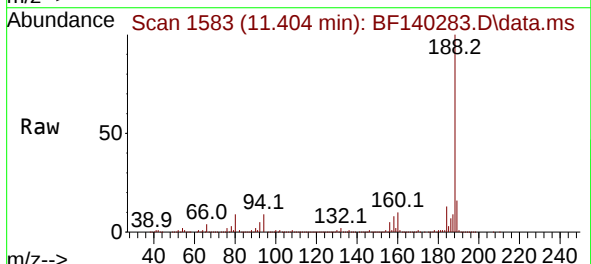
Reviewed By :Yogesh
Patel
11/08/2024

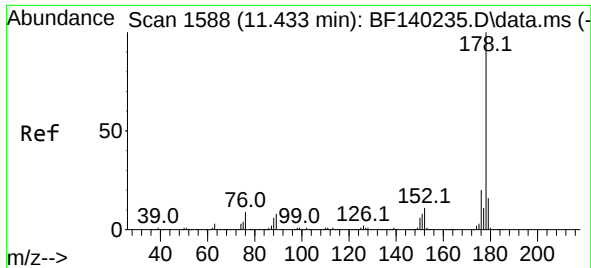
Supervised By :mohammad
ahmed
11/11/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

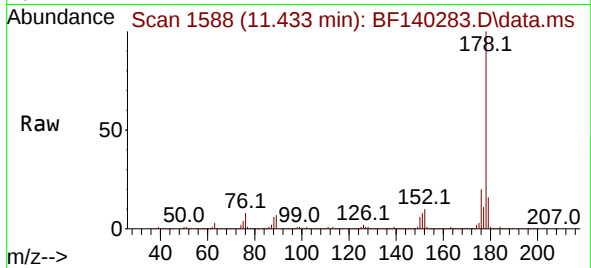
Tgt Ion:188 Resp: 294503
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 9.5 7.5 11.3





#71
Phenanthrene
Concen: 66.648 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
Z-03A

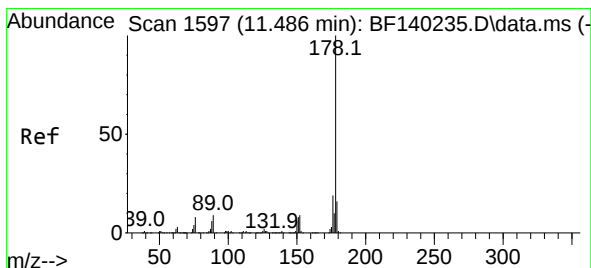
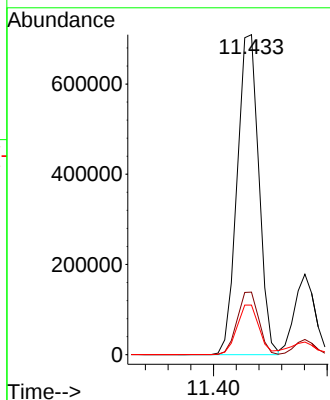


Tgt Ion:178 Resp: 936723
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.5 12.6 18.8

Manual Integrations
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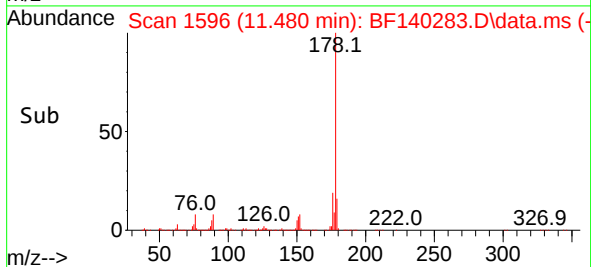
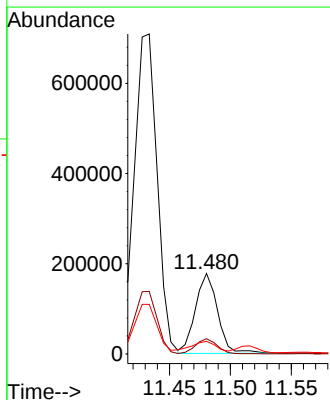
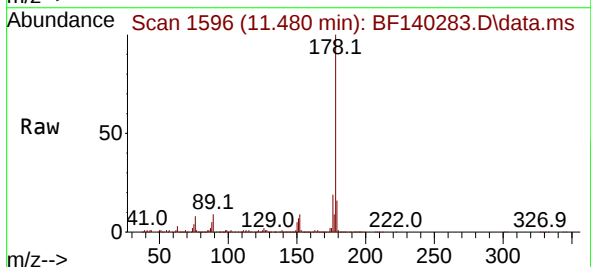
Reviewed By :Yogesh
Patel
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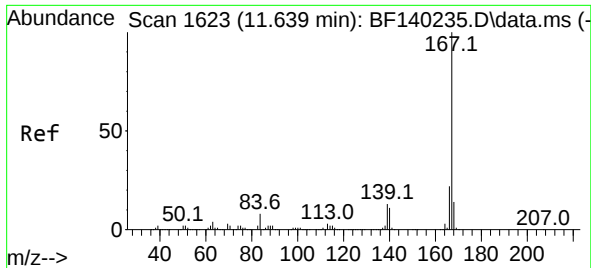
Supervised By :mohammad
ahmed
11/11/2024



#72
Anthracene
Concen: 16.277 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

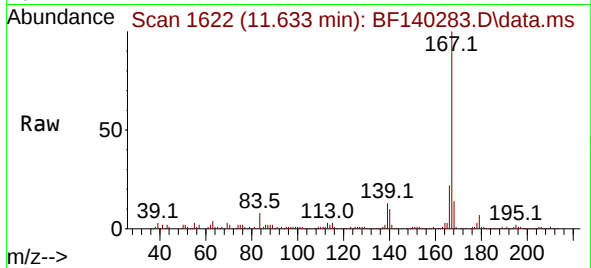
Tgt Ion:178 Resp: 224322
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.7 12.7 19.1





#73
 Carbazole
 Concen: 7.792 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140283.D
 Acq: 07 Nov 2024 18:51

Instrument :
 BNA_F
 ClientSampleId :
 Z-03A

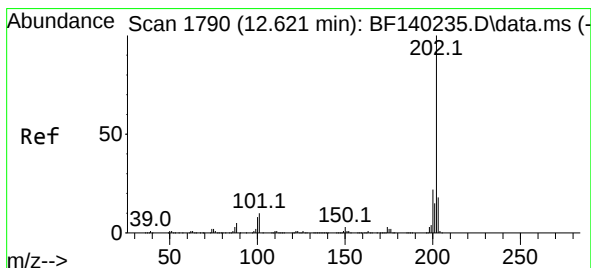
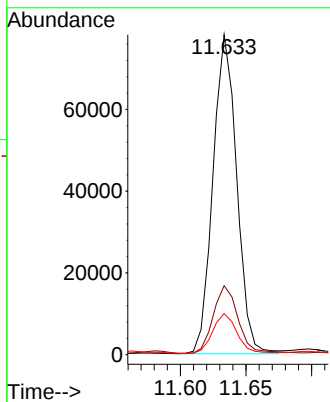
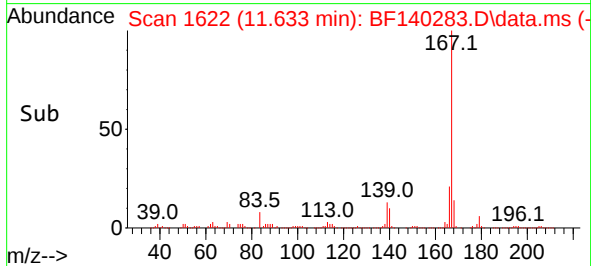


Tgt Ion:167 Resp: 98120
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.3 25.9
 139 12.8 10.7 16.1

Manual Integrations
 APPROVED

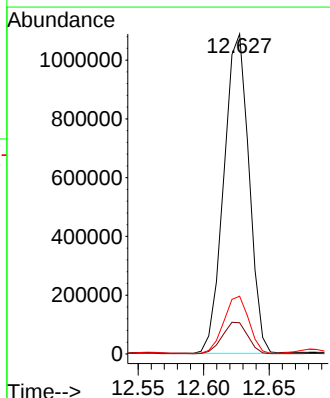
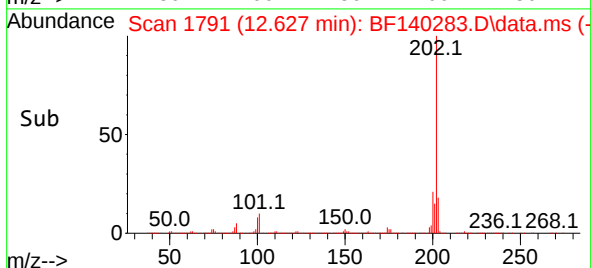
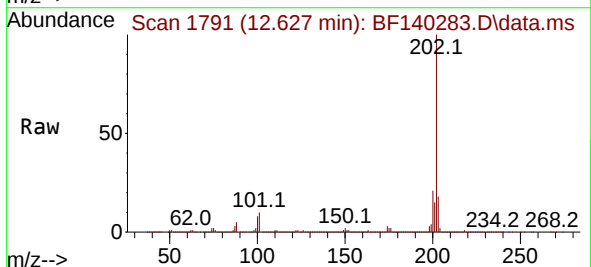
Reviewed By :Yogesh
 Patel
 11/08/2024

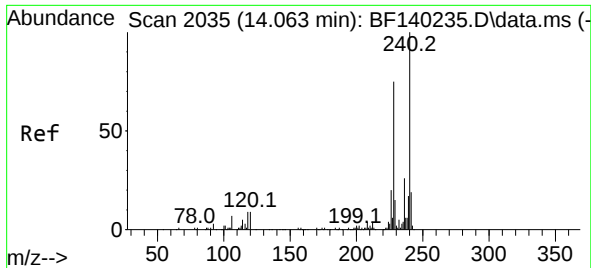
Supervised By :mohammad
 ahmed
 11/11/2024



#75
 Fluoranthene
 Concen: 98.539 ng
 RT: 12.627 min Scan# 1791
 Delta R.T. 0.006 min
 Lab File: BF140283.D
 Acq: 07 Nov 2024 18:51

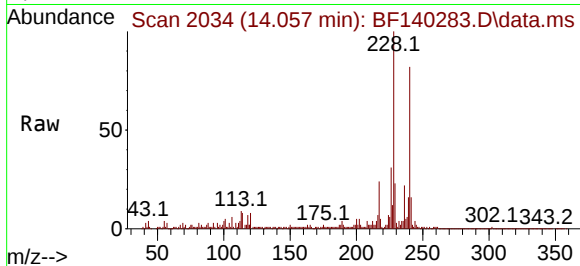
Tgt Ion:202 Resp: 1448139
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 30.4
 203 18.1 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
Z-03A

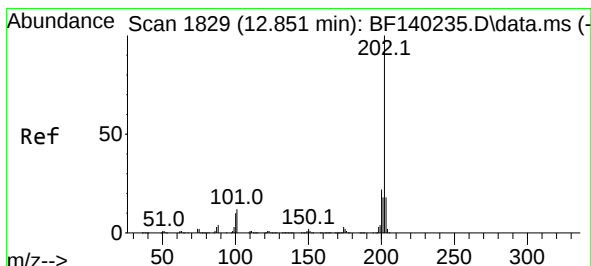
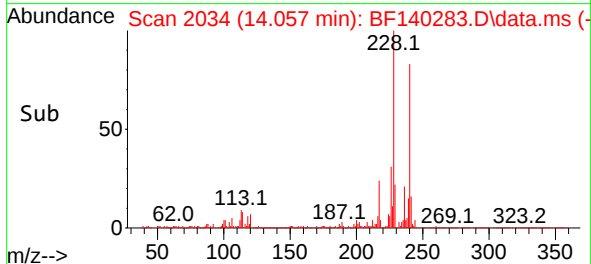
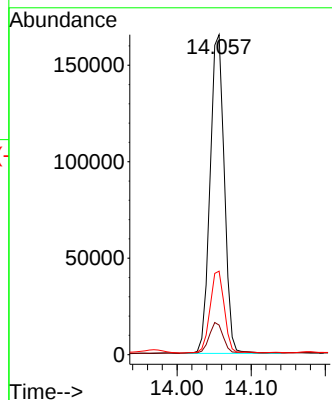


Tgt Ion:240 Resp: 220980
Ion Ratio Lower Upper
240 100
120 9.3 7.5 11.3
236 26.1 20.9 31.3

Manual Integrations
APPROVED

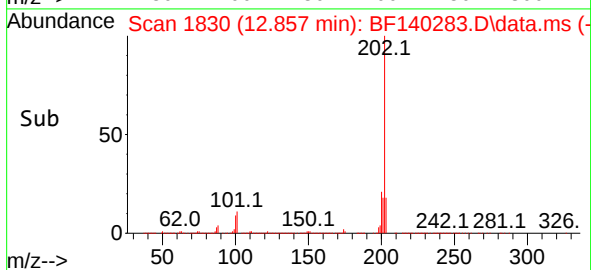
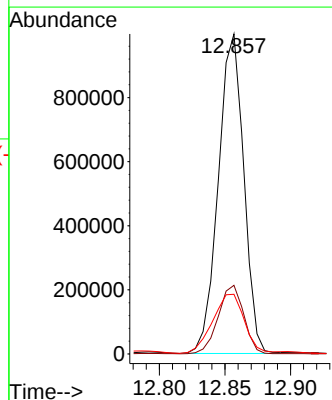
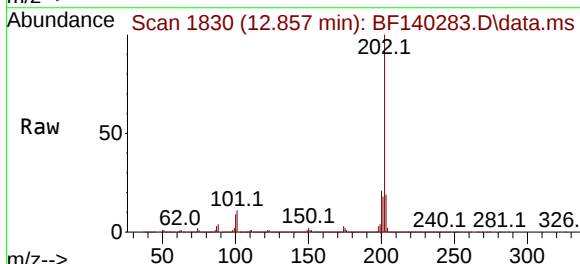
Reviewed By :Yogesh
Patel
11/08/2024

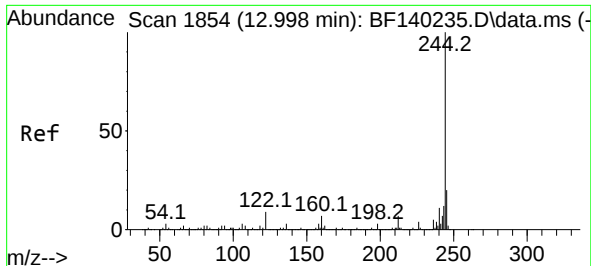
Supervised By :mohammad
ahmed
11/11/2024



#78
Pyrene
Concen: 73.636 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Tgt Ion:202 Resp: 1343538
Ion Ratio Lower Upper
202 100
200 21.5 17.5 26.3
203 18.7 14.4 21.6





#79
 Terphenyl-d14
 Concen: 79.305 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140283.D
 Acq: 07 Nov 2024 18:51

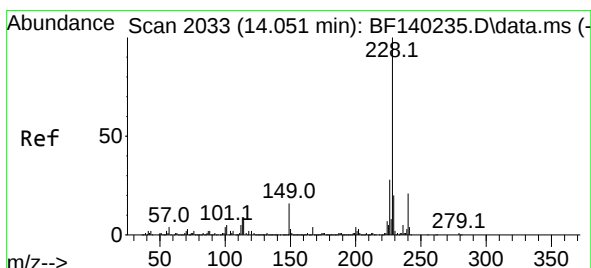
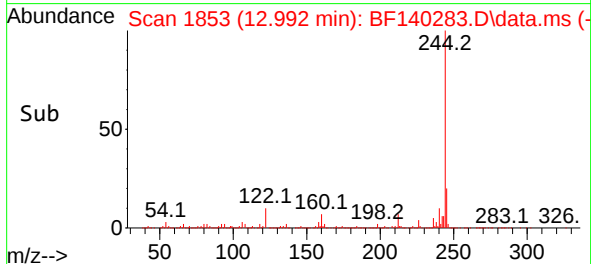
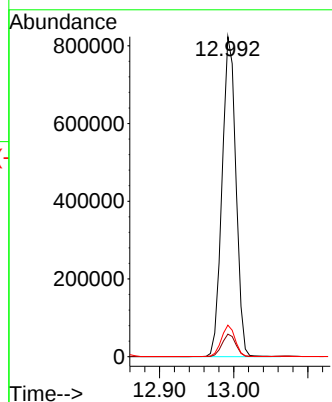
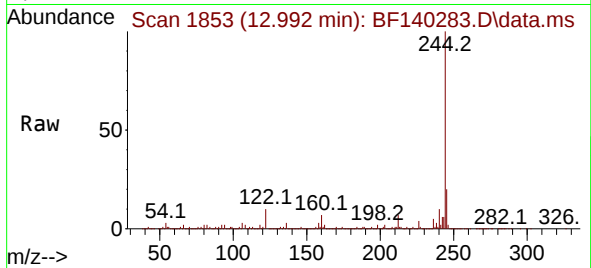
Instrument :
 BNA_F
 ClientSampleId :
 Z-03A

Tgt Ion:244 Resp: 1069811
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.9 7.6 11.4

Manual Integrations
 APPROVED

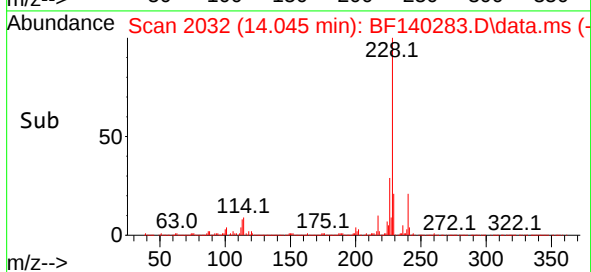
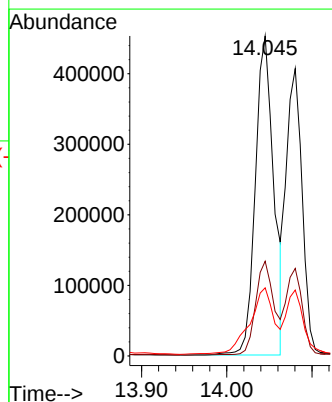
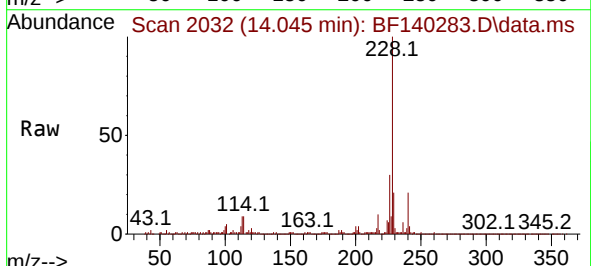
Reviewed By :Yogesh
 Patel
 11/08/2024

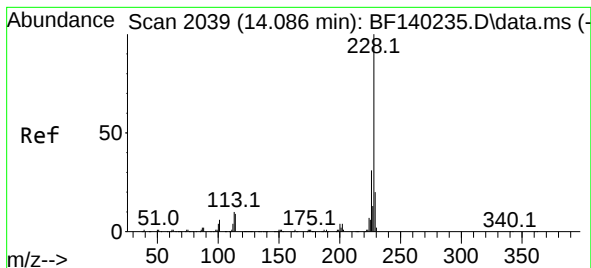
Supervised By :mohammad
 ahmed
 11/11/2024



#81
 Benzo(a)anthracene
 Concen: 48.081 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF140283.D
 Acq: 07 Nov 2024 18:51

Tgt Ion:228 Resp: 681863
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.3 33.5
 229 21.3 16.1 24.1





#83

Chrysene

Concen: 39.265 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140283.D

Acq: 07 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

Z-03A

Tgt Ion:	228	Resp:	521450
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.6	36.8
229	23.0	16.1	24.1

Manual Integrations
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Reviewed By :Yogesh

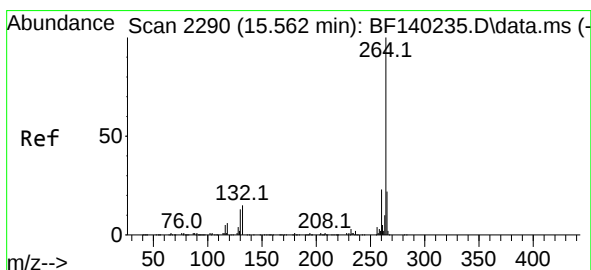
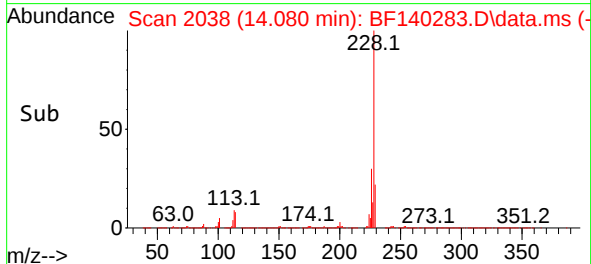
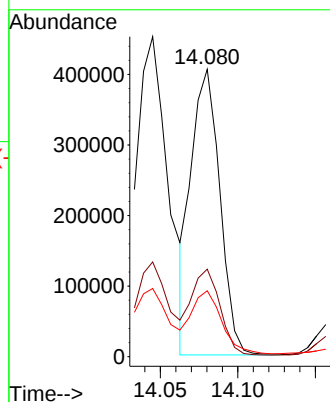
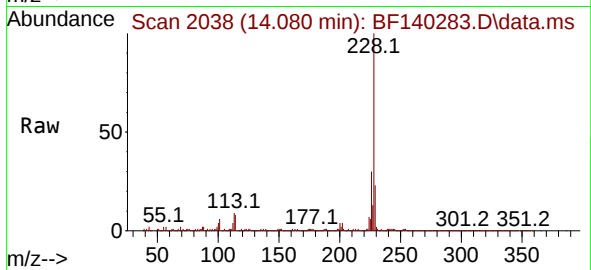
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#86

Perylene-d12

Concen: 20.000 ng

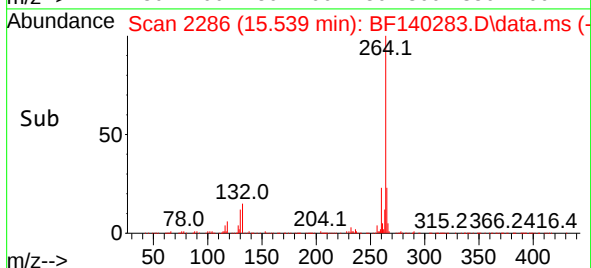
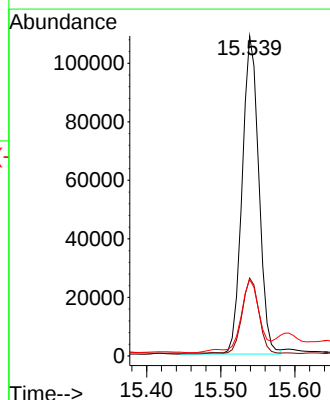
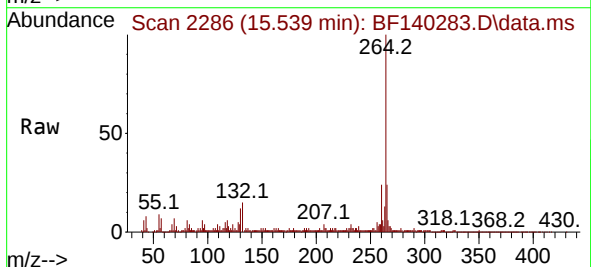
RT: 15.539 min Scan# 2286

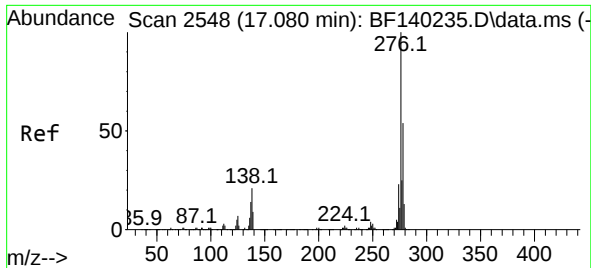
Delta R.T. -0.023 min

Lab File: BF140283.D

Acq: 07 Nov 2024 18:51

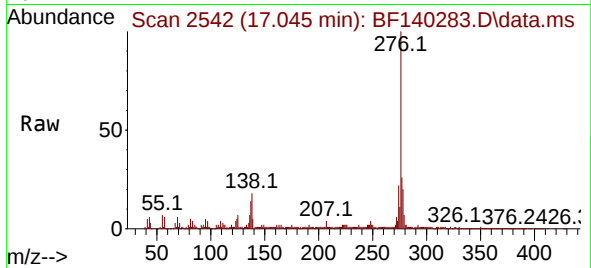
Tgt Ion:	264	Resp:	169787
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.8	28.2
265	23.9	17.3	25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.596 ng
RT: 17.045 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Instrument :
BNA_F
ClientSampleId :
Z-03A

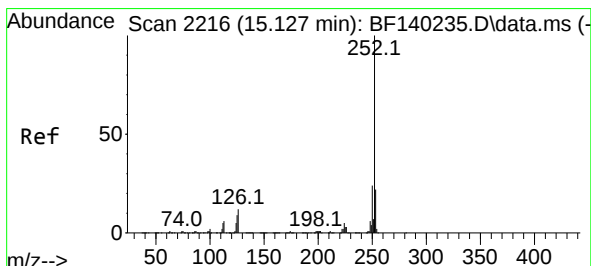
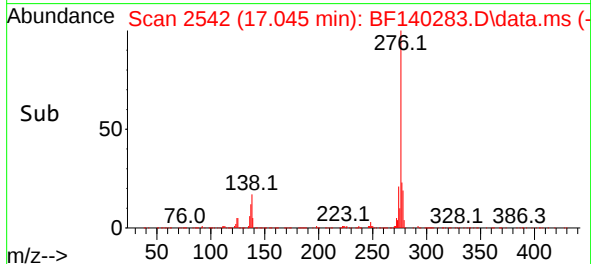
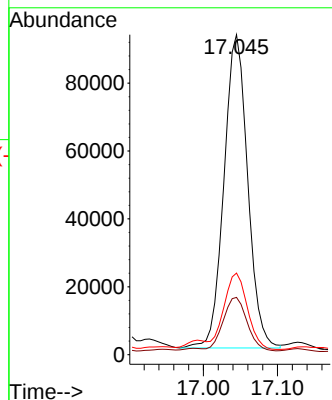


Tgt Ion:276 Resp: 205268
Ion Ratio Lower Upper
276 100
138 17.9 17.6 26.4
277 24.3 20.2 30.2

Manual Integrations
APPROVED

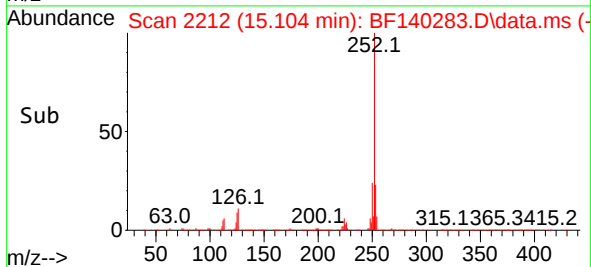
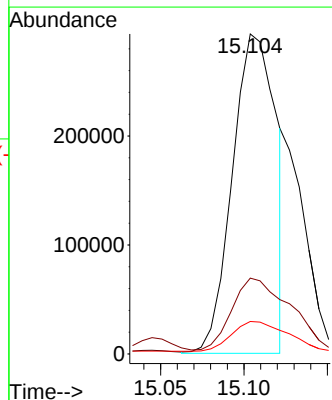
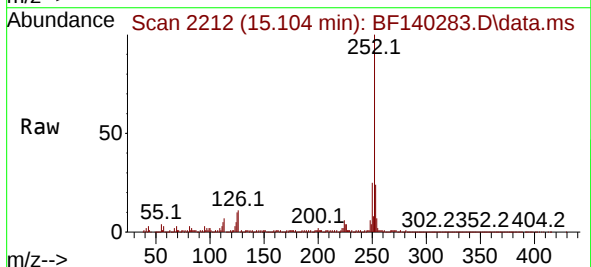
Reviewed By :Yogesh
Patel
11/08/2024

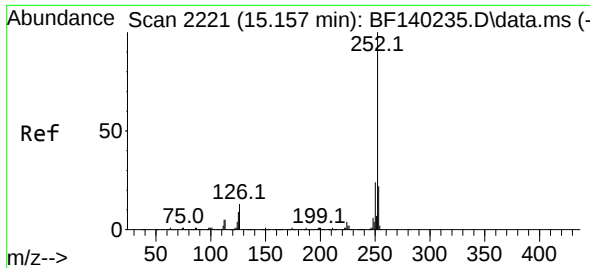
Supervised By :mohammad
ahmed
11/11/2024



#88
Benzo(b)fluoranthene
Concen: 52.080 ng m
RT: 15.104 min Scan# 2212
Delta R.T. -0.023 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Tgt Ion:252 Resp: 534862
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 10.2 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 18.559 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

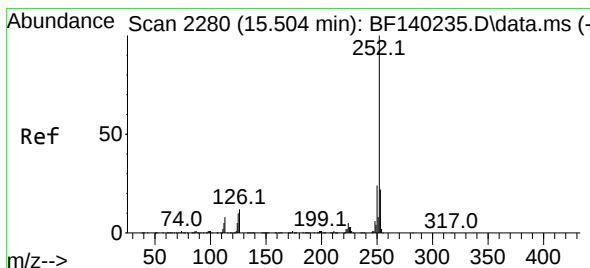
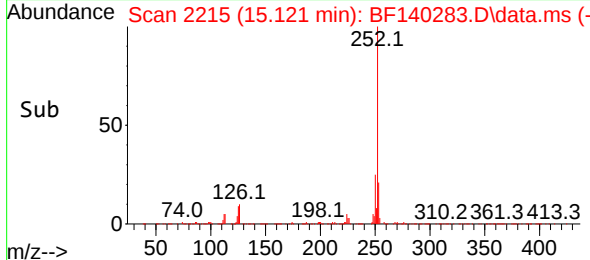
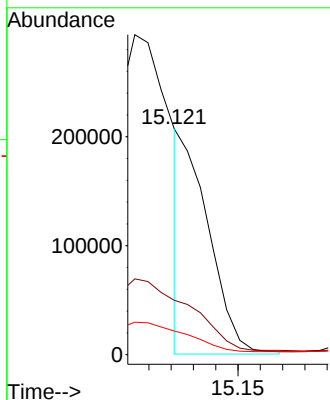
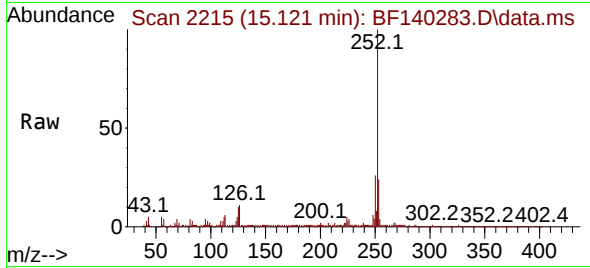
Instrument :
BNA_F
ClientSampleId :
Z-03A

Tgt Ion:252 Resp: 17489
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 10.5 7.2 10.8

Manual Integrations
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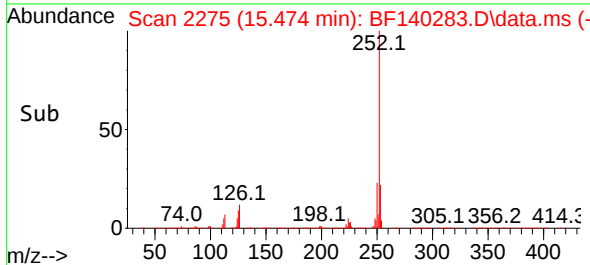
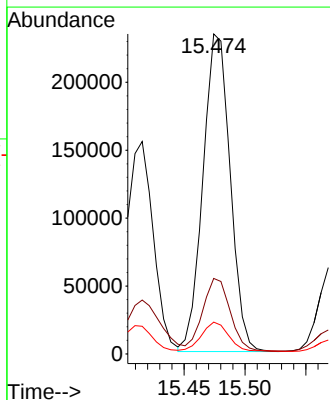
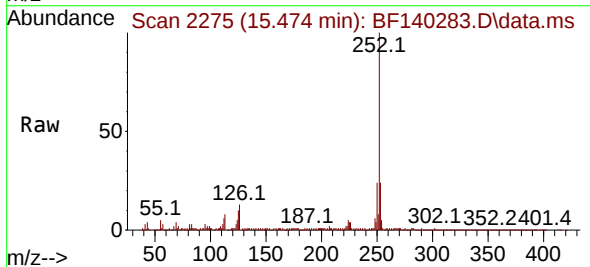
Reviewed By :Yogesh
Patel
11/08/2024

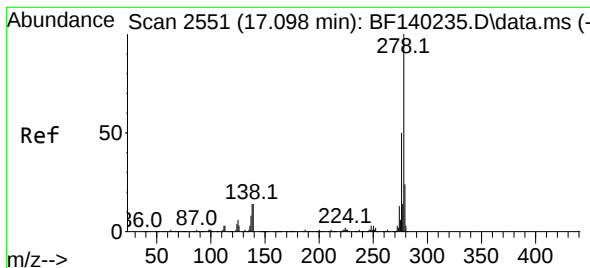
Supervised By :mohammad
ahmed
11/11/2024



#90
Benzo(a)pyrene
Concen: 43.072 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.029 min
Lab File: BF140283.D
Acq: 07 Nov 2024 18:51

Tgt Ion:252 Resp: 364710
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 9.9 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 6.286 ng

RT: 17.057 min Scan# 2544

Delta R.T. -0.041 min

Lab File: BF140283.D

Acq: 07 Nov 2024 18:51

Instrument :

BNA_F

ClientSampleId :

Z-03A

Tgt Ion:278 Resp: 5154

Ion Ratio Lower Upper

278 100

139 18.1 11.1 16.7

279 31.4 19.1 28.7

Manual Integrations

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Reviewed By :Yogesh

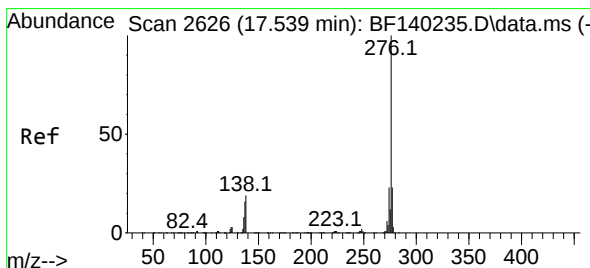
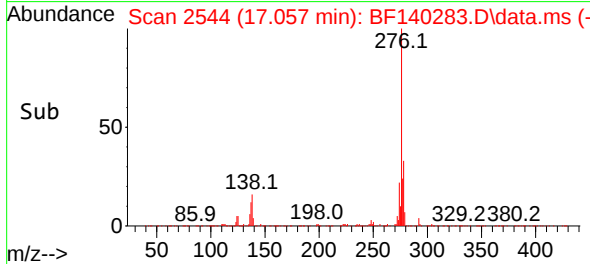
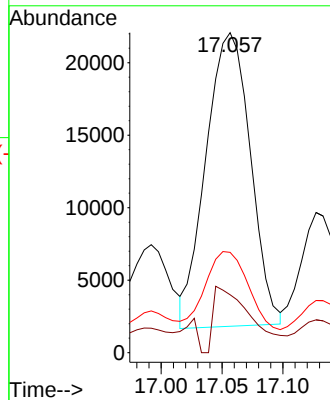
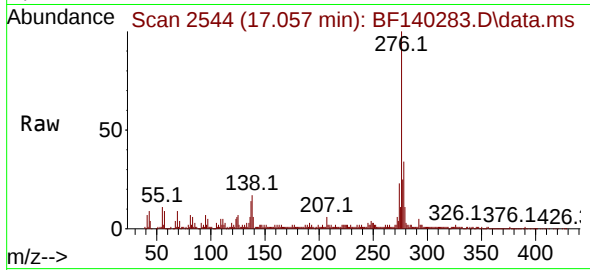
Patel

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Supervised By :mohammad

ahmed

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#92

Benzo(g,h,i)perylene

Concen: 23.319 ng

RT: 17.504 min Scan# 2620

Delta R.T. -0.035 min

Lab File: BF140283.D

Acq: 07 Nov 2024 18:51

Tgt Ion:276 Resp: 195051

Ion Ratio Lower Upper

276 100

277 23.2 18.8 28.2

138 18.4 15.3 22.9

