

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135830.D
 Acq On : 18 Oct 2023 00:37
 Operator : CG\JU
 Sample : 04812-01RE 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

Quant Time: Oct 18 02:05:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	82424	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	294861	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	134461	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	221399	20.000	ng	0.00
76) Chrysene-d12	13.951	240	133835	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	120621	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	80174	15.639	ng	0.01
7) Phenol-d6	6.404	99	109237	17.077	ng	0.00
23) Nitrobenzene-d5	7.304	82	67800	12.646	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	18801	14.571	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	138519	16.107	ng	-0.01
79) Terphenyl-d14	12.869	244	137138	18.976	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.810	154	203764	27.674	ng	100
55) Dibenzofuran	9.986	168	144818	13.035	ng	95
58) Fluorene	10.328	166	242685	27.903	ng	98
71) Phenanthrene	11.304	178	915603	86.328	ng	99
72) Anthracene	11.351	178	616226	56.070	ng	100
73) Carbazole	11.516	167	118884	11.598	ng	100
75) Fluoranthene	12.516	202	3036944	257.994	ng	100
78) Pyrene	12.745	202	2475618	232.775	ng	98
81) Benzo(a)anthracene	13.945	228	1361086	154.830	ng	99
83) Chrysene	13.980	228	1307739m	153.588	ng	
84) Bis(2-ethylhexyl)phtha...	13.916	149	64918	10.249	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.962	276	824090	125.387	ng	95
88) Benzo(b)fluoranthene	15.016	252	1605925m	237.889	ng	
89) Benzo(k)fluoranthene	15.033	252	471331m	71.915	ng	
90) Benzo(a)pyrene	15.386	252	1139686	179.536	ng	98
91) Dibenzo(a,h)anthracene	16.957	278	186149m	34.550	ng	
92) Benzo(g,h,i)perylene	17.427	276	829805	149.935	ng	97

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

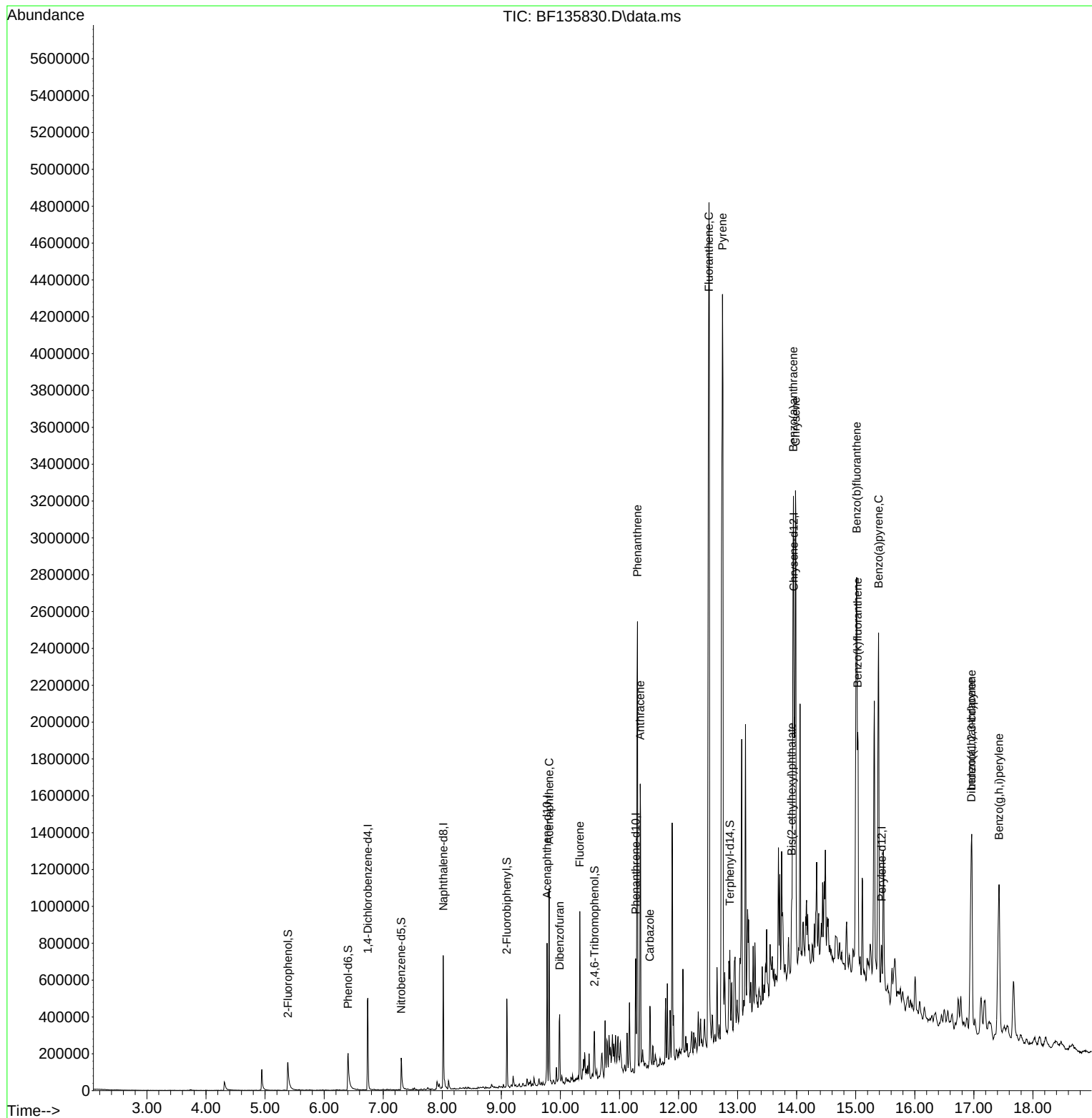
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135830.D
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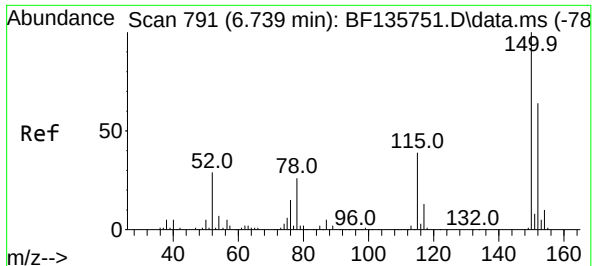
Instrument :
BNA_F
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VNJ-223RE

Quant Time: Oct 18 02:05:12 2023
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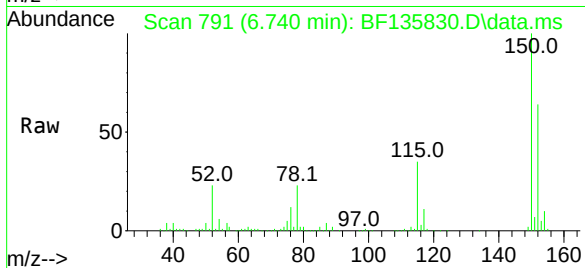
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

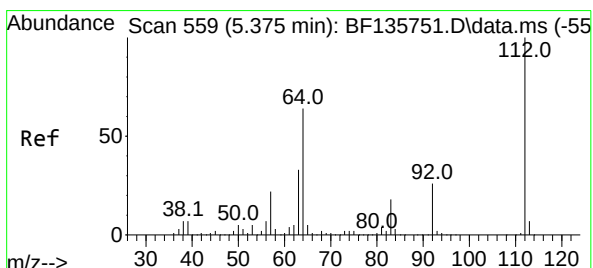
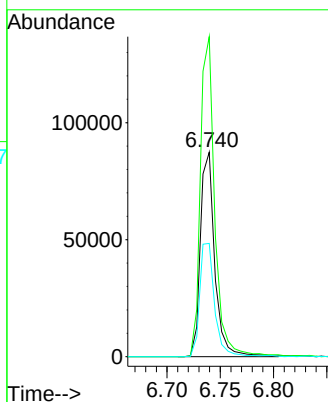
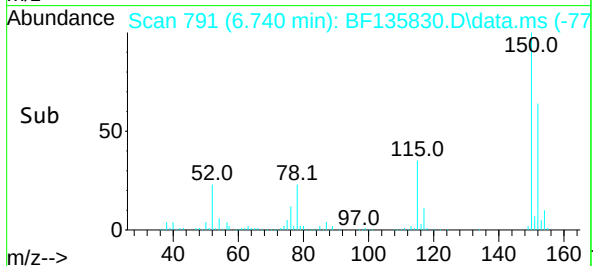
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BNA_F
ClientSampleId :
VNJ-223RE



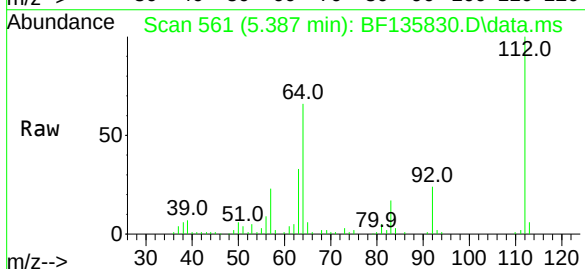
Tgt Ion:152 Resp: 82424
Ion Ratio Lower Upper
152 100
150 156.5 124.5 186.7
115 55.4 49.0 73.4

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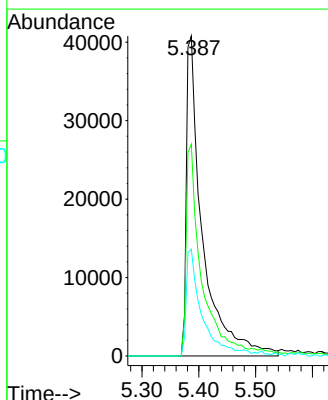
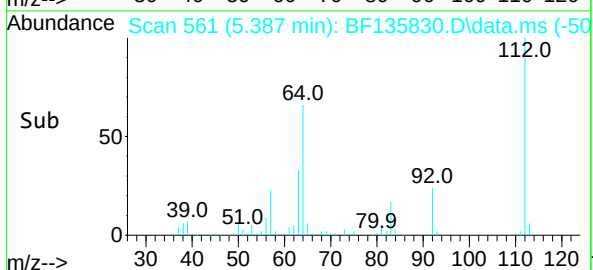
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

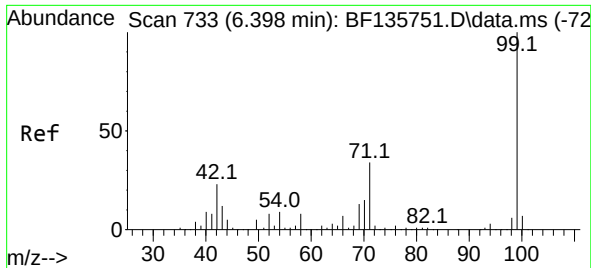


#5
2-Fluorophenol
Concen: 15.639 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37



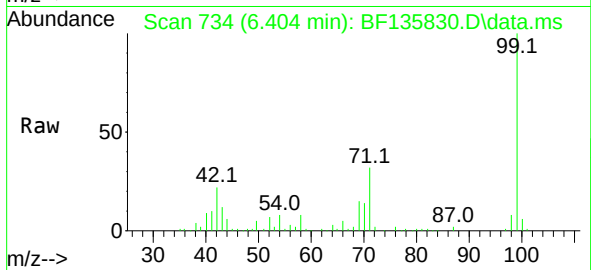
Tgt Ion:112 Resp: 80174
Ion Ratio Lower Upper
112 100
64 66.2 51.2 76.8
63 33.4 26.1 39.1





#7
Phenol-d6
Concen: 17.077 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

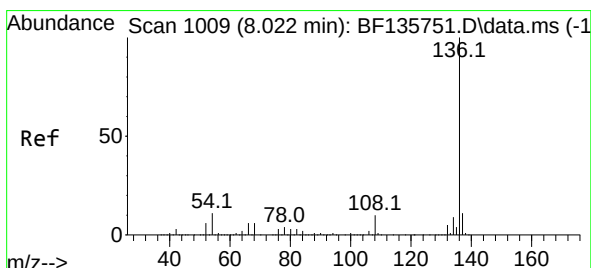
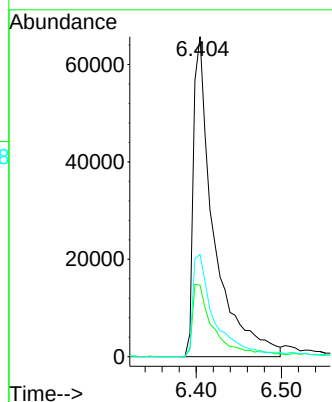
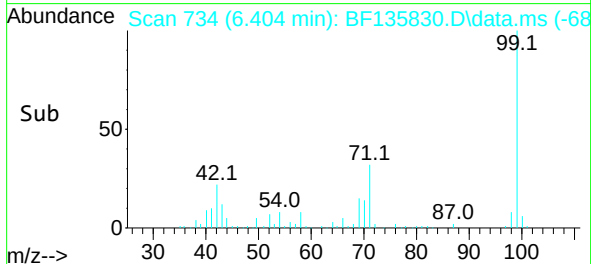
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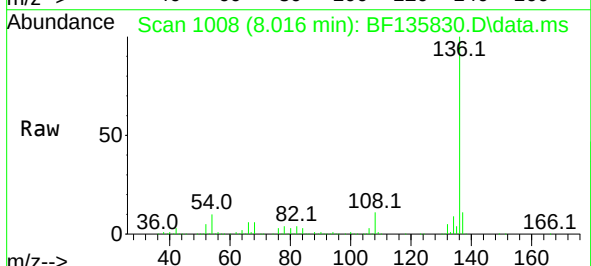
Tgt Ion: 99 Resp: 10923
Ion Ratio Lower Upper
99 100
42 22.3 18.4 27.6
71 32.0 27.2 40.8

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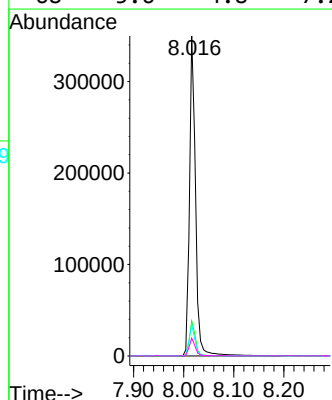
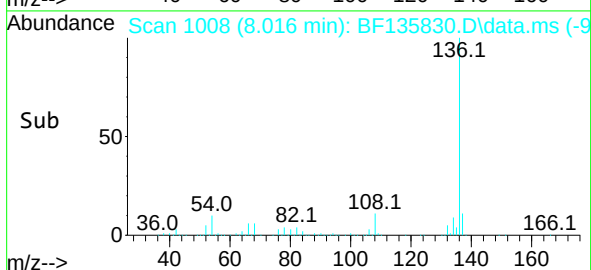
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

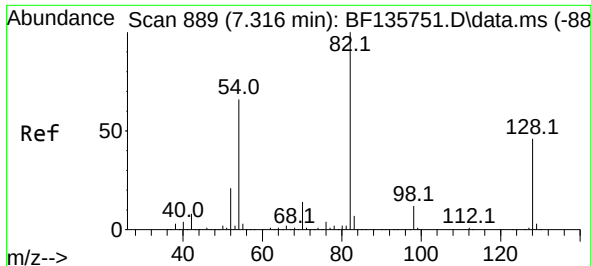


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37



Tgt Ion:136 Resp: 294861
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.9 8.5 12.7
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 12.646 ng

RT: 7.304 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

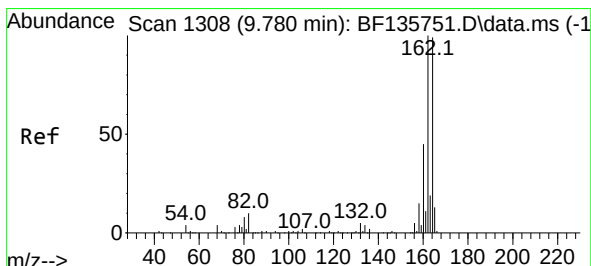
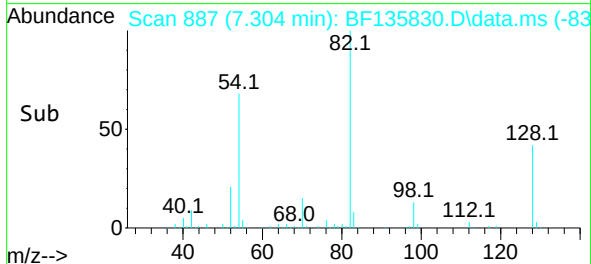
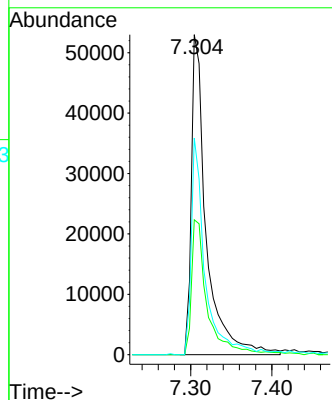
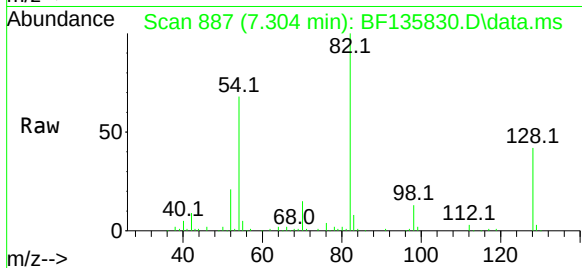
ClientSampleId :

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Tgt Ion: 82 Resp: 67800
 Ion Ratio Lower Upper
 82 100
 128 42.1 37.0 55.6
 54 67.7 52.8 79.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

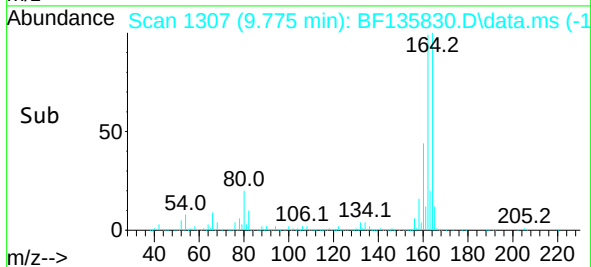
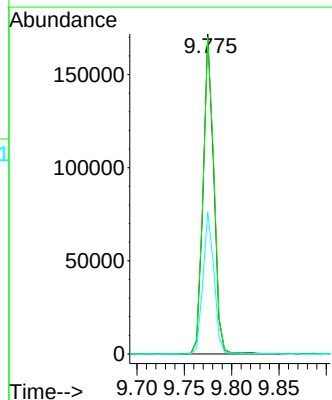
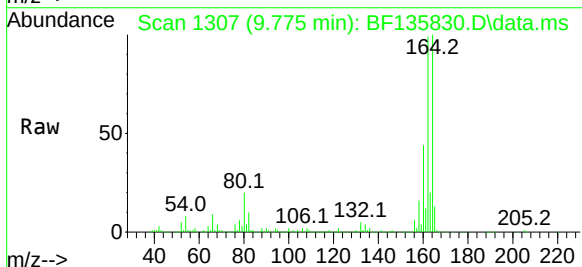
RT: 9.775 min Scan# 1307

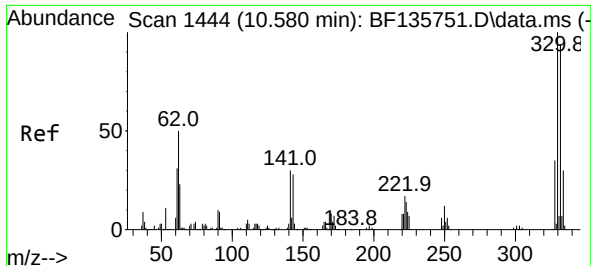
Delta R.T. -0.012 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Tgt Ion:164 Resp: 134461
 Ion Ratio Lower Upper
 164 100
 162 99.0 80.8 121.2
 160 44.4 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 14.571 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

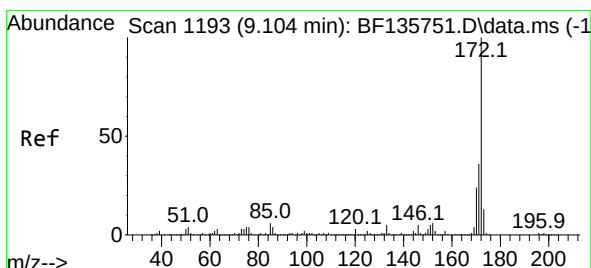
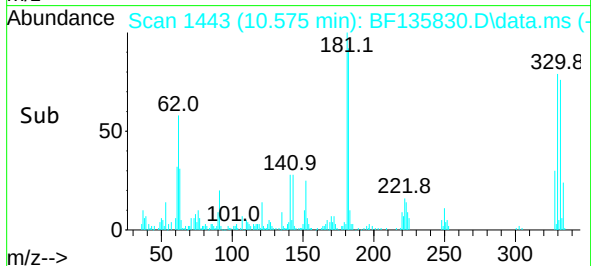
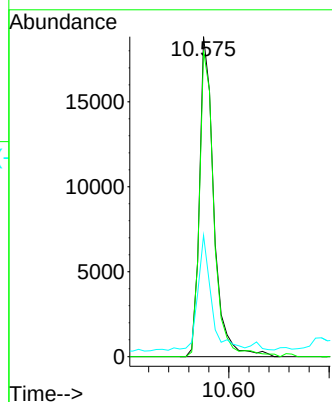
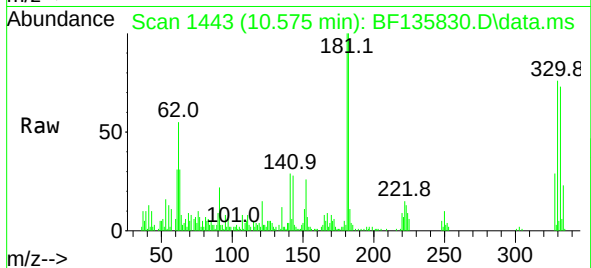
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Tgt Ion:330 Resp: 1880
Ion Ratio Lower Upper
330 100
332 96.7 75.0 112.4
141 35.1 25.8 38.6

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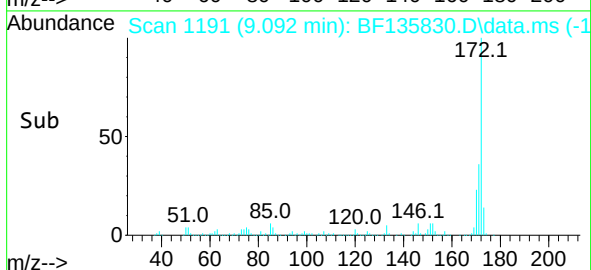
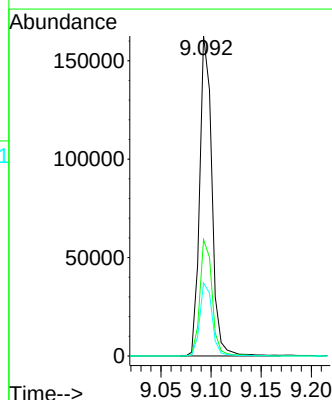
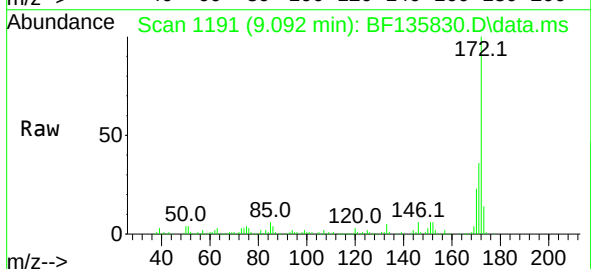
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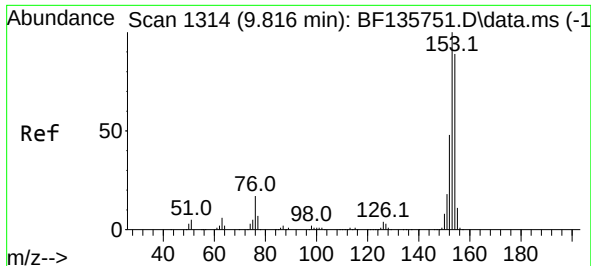
Reviewed By :Yogesh Patel 10/18/2023
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#45
2-Fluorobiphenyl
Concen: 16.107 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:172 Resp: 138519
Ion Ratio Lower Upper
172 100
171 36.4 28.4 42.6
170 22.8 18.8 28.2





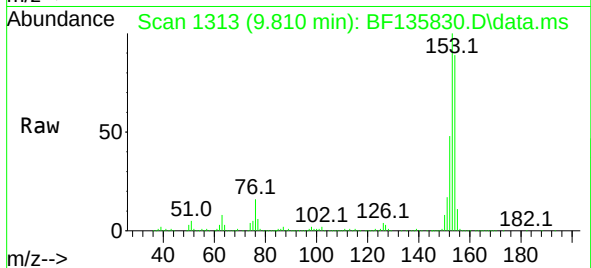
#52
Acenaphthene
Concen: 27.674 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

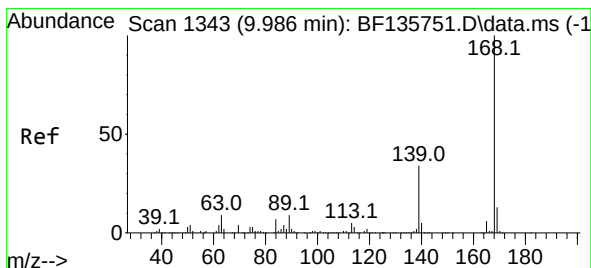
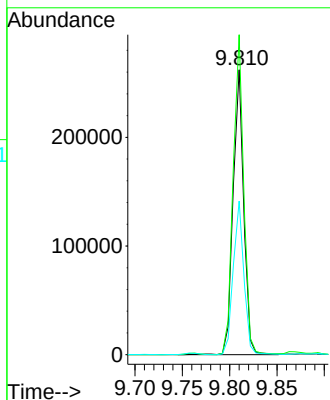
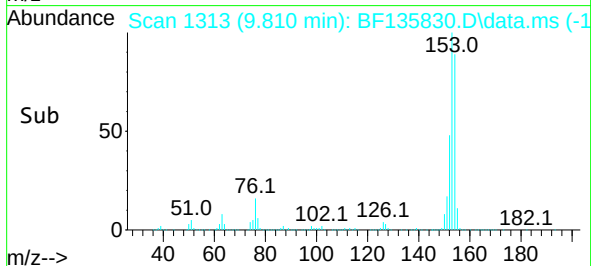


Tgt Ion:154 Resp: 203764
Ion Ratio Lower Upper
154 100
153 112.3 90.1 135.1
152 53.9 43.1 64.7

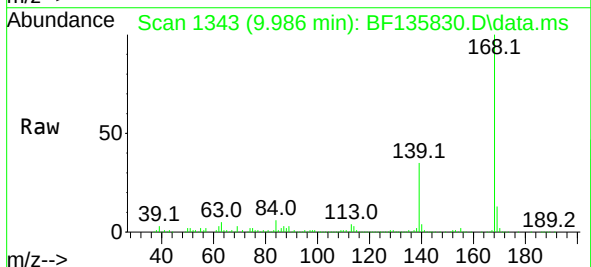
Manual Integrations

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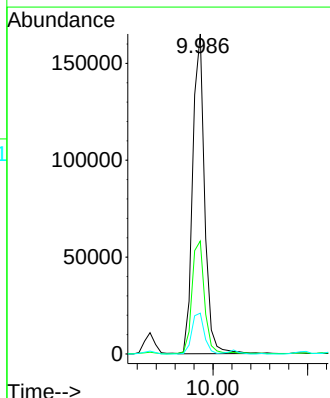
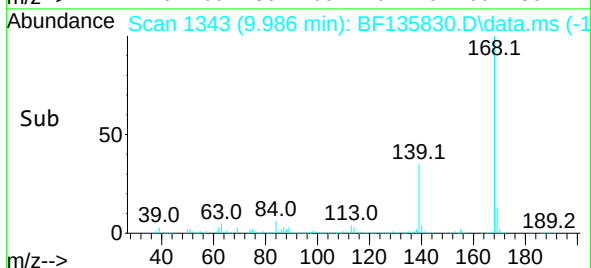
Reviewed By :Yogesh Patel 10/18/2023
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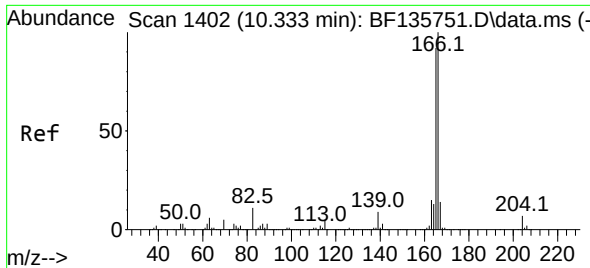


#55
Dibenzofuran
Concen: 13.035 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37



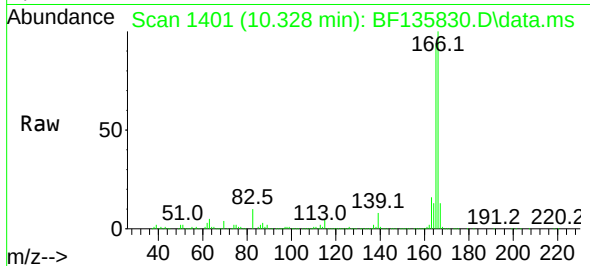
Tgt Ion:168 Resp: 144818
Ion Ratio Lower Upper
168 100
139 35.3 31.0 46.4
169 12.8 10.7 16.1





#58
Fluorene
Concen: 27.903 ng
RT: 10.328 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

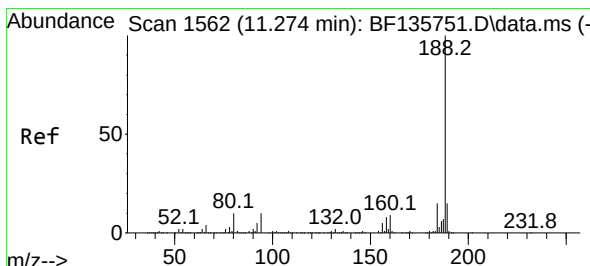
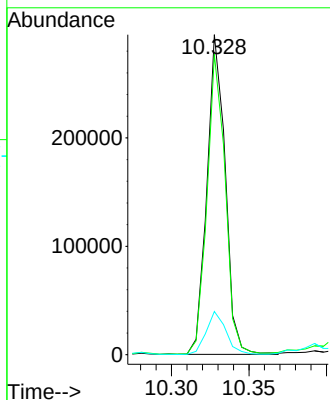
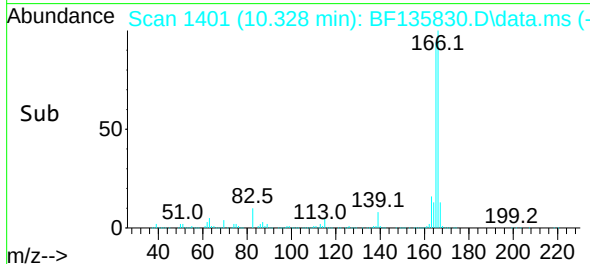
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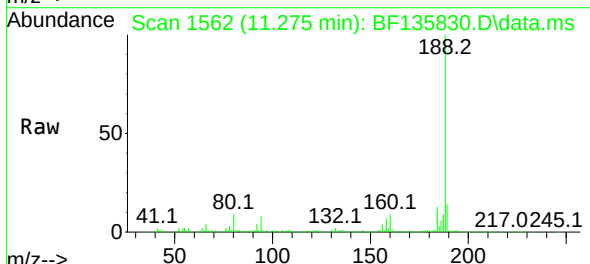
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Ion Ratio Lower Upper
166 100
165 93.8 73.4 110.0
167 13.5 11.0 16.6

Manual Integrations
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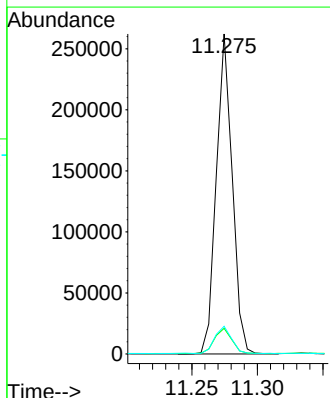
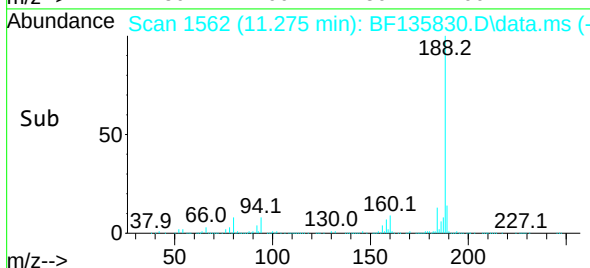
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

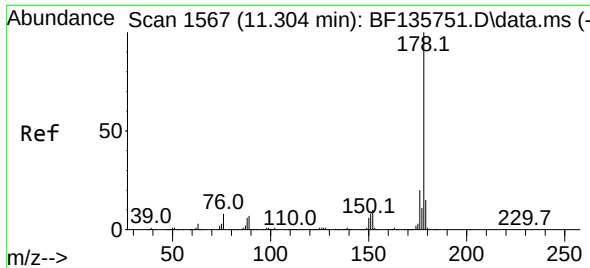


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37



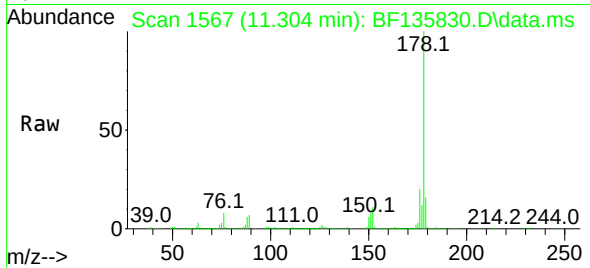
Tgt Ion:188 Resp: 221399
Ion Ratio Lower Upper
188 100
94 8.0 8.0 12.0
80 8.6 8.3 12.5





#71
Phenanthrene
Concen: 86.328 ng
RT: 11.304 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

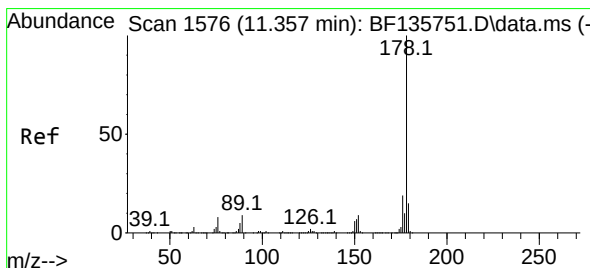
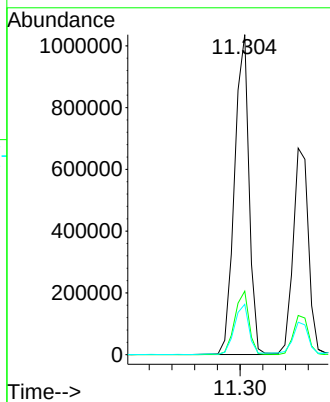
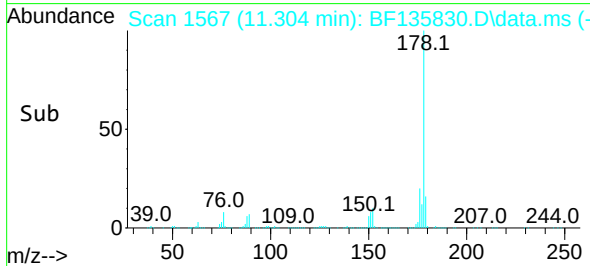
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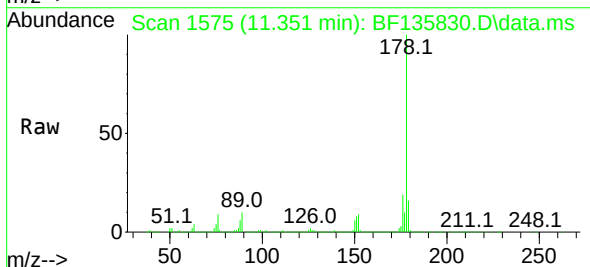
Tgt Ion:178 Resp: 91560
Ion Ratio Lower Upper
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176 19.9 16.0 24.0
179 15.7 12.2 18.4

Manual Integrations
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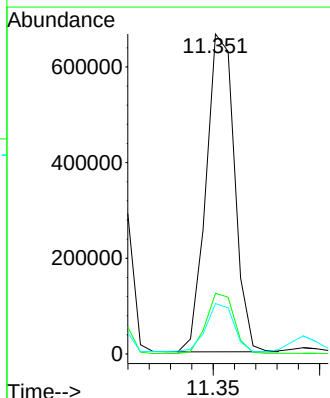
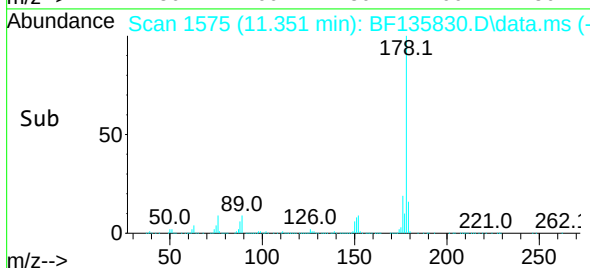
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

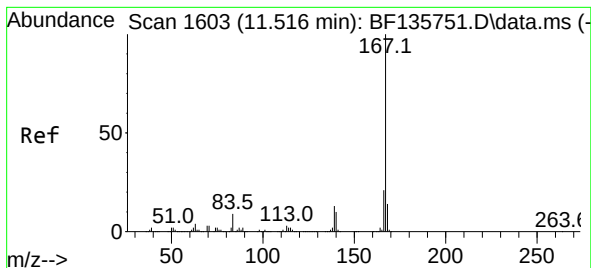


#72
Anthracene
Concen: 56.070 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37



Tgt Ion:178 Resp: 616226
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.8 12.3 18.5





#73

Carbazole

Concen: 11.598 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

Tgt Ion:167 Resp: 118884

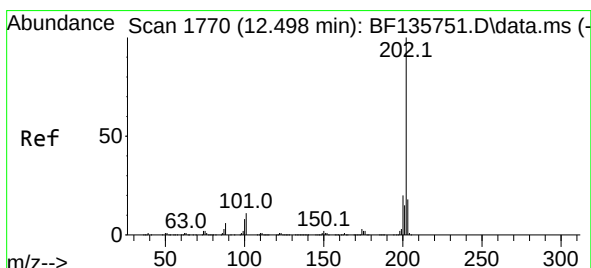
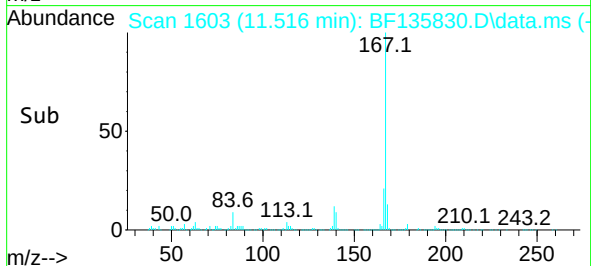
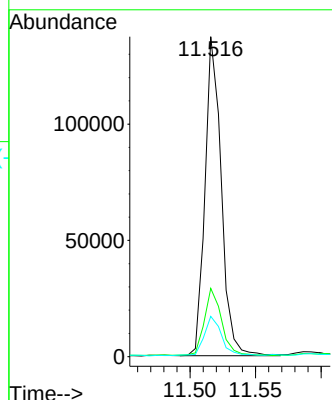
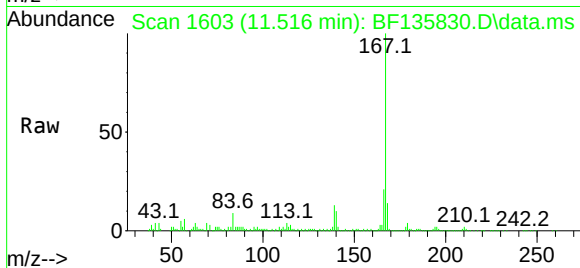
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.6	10.2	15.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#75

Fluoranthene

Concen: 257.994 ng

RT: 12.516 min Scan# 1773

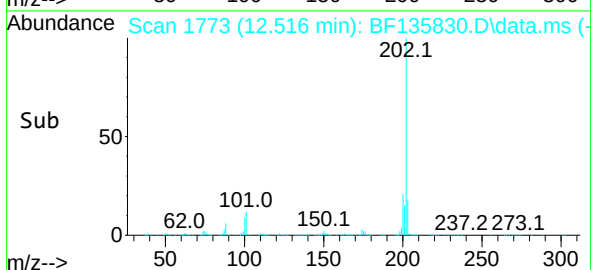
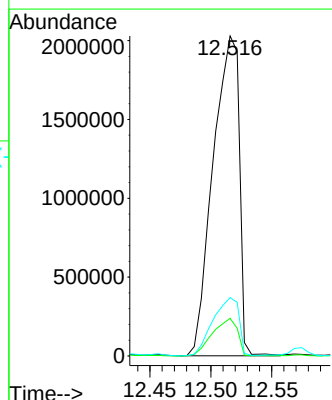
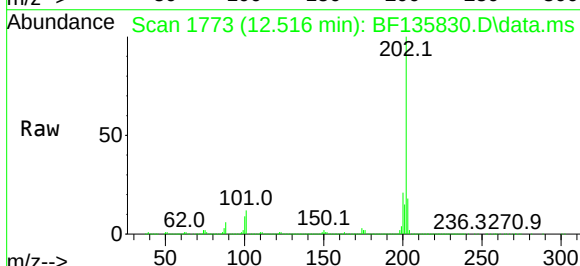
Delta R.T. 0.012 min

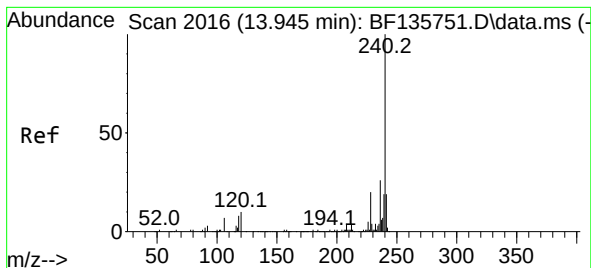
Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Tgt Ion:202 Resp: 3036944

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.5
203	18.3	0.0	38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

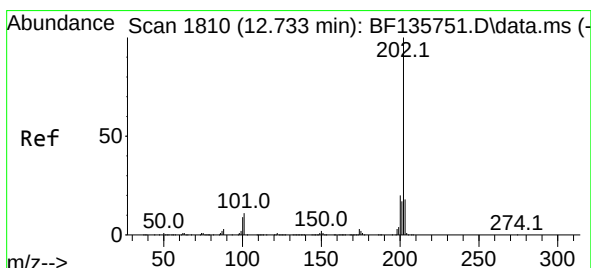
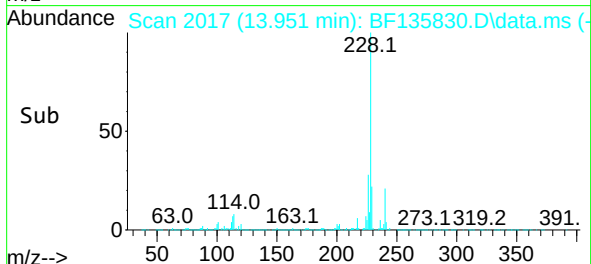
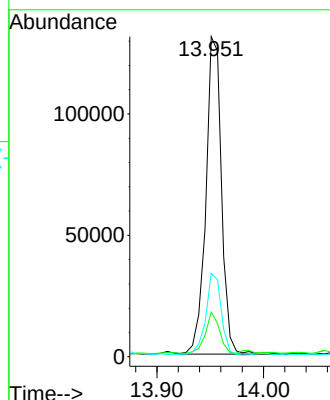
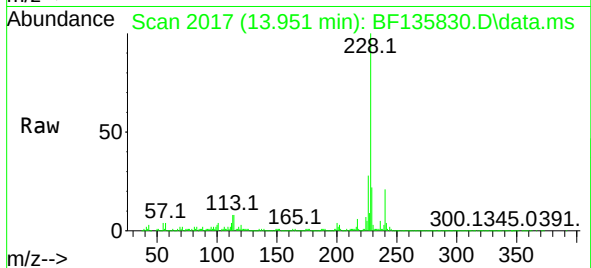
Tgt Ion:240 Resp: 133835
 Ion Ratio Lower Upper
 240 100
 120 14.0 8.2 12.2
 236 26.0 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#78

Pyrene

Concen: 232.775 ng

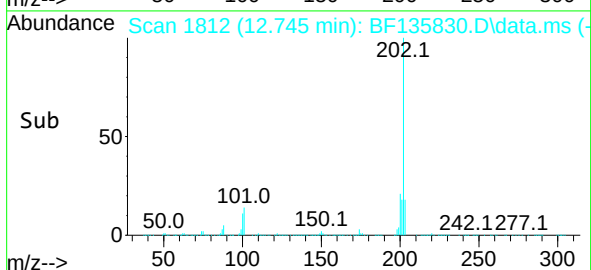
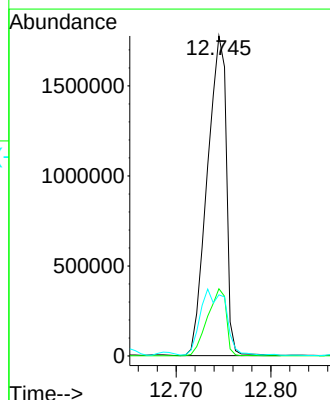
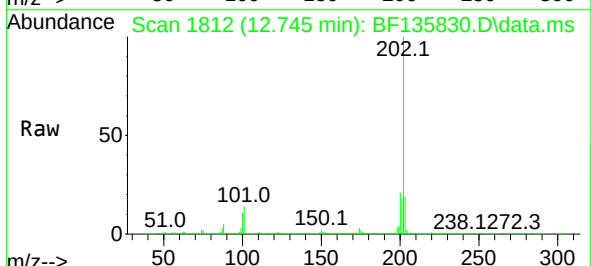
RT: 12.745 min Scan# 1812

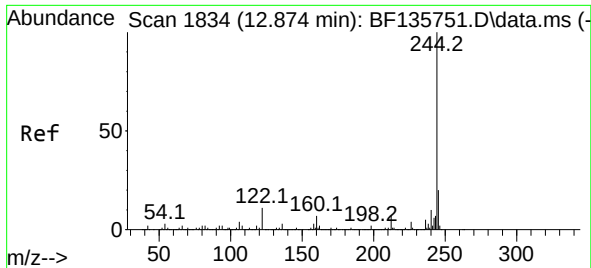
Delta R.T. 0.012 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Tgt Ion:202 Resp: 2475618
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.1 24.1
 203 19.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 18.976 ng
 RT: 12.869 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF135830.D
 Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

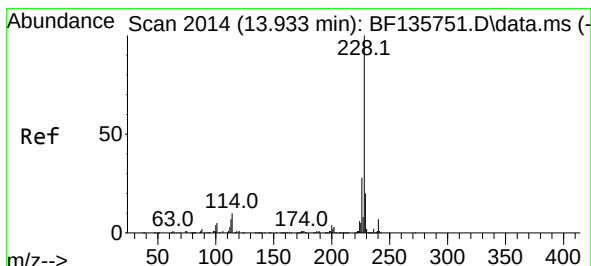
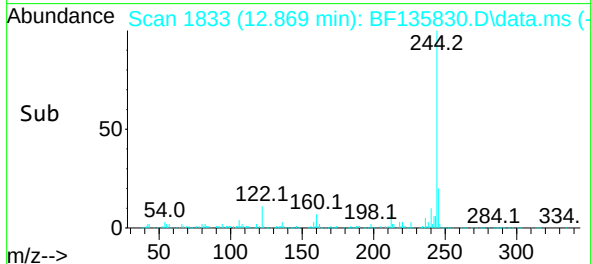
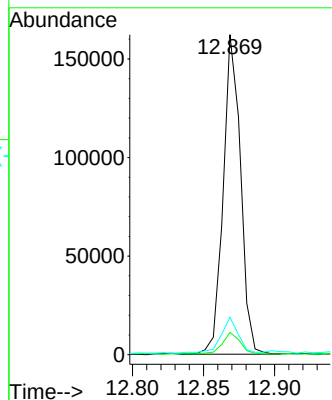
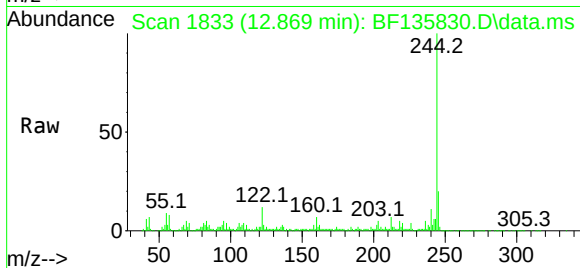
VNJ-223RE

Tgt Ion:244 Resp: 137138
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.7 9.0 13.6

Manual Integrations

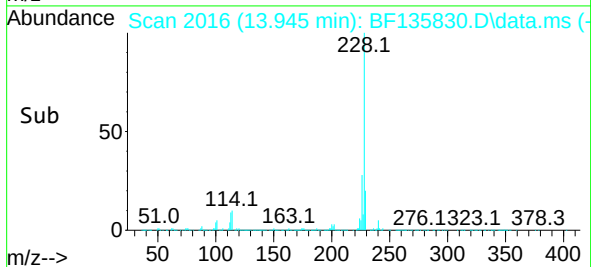
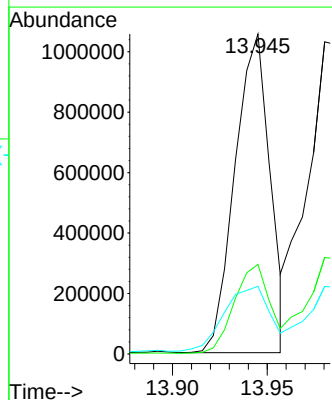
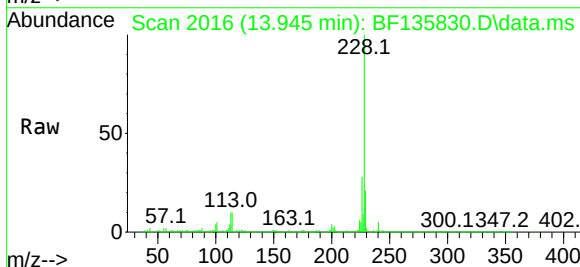
APPROVED

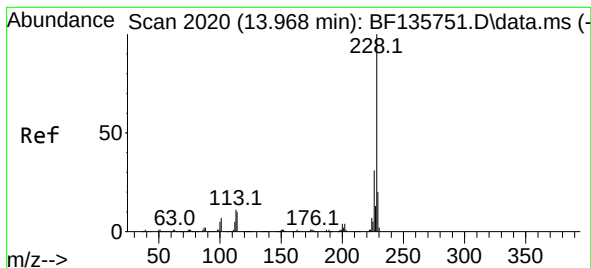
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023



#81
 Benzo(a)anthracene
 Concen: 154.830 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: BF135830.D
 Acq: 18 Oct 2023 00:37

Tgt Ion:228 Resp: 1361086
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.2 33.2
 229 21.1 16.1 24.1





#83

Chrysene

Concen: 153.588 ng m

RT: 13.980 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

Tgt Ion:228 Resp: 1307739

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

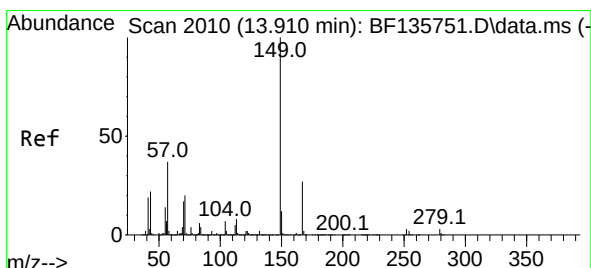
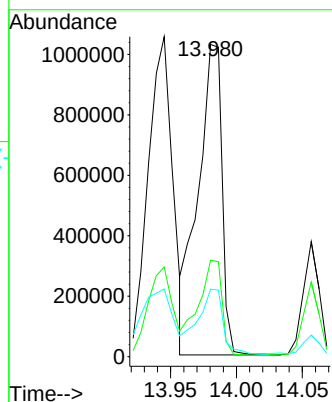
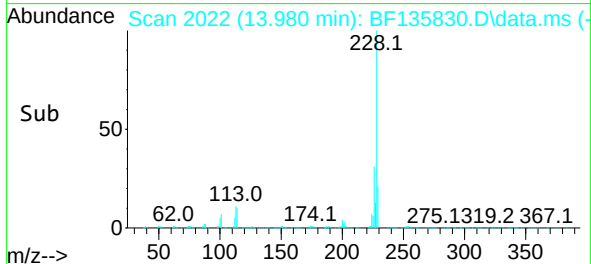
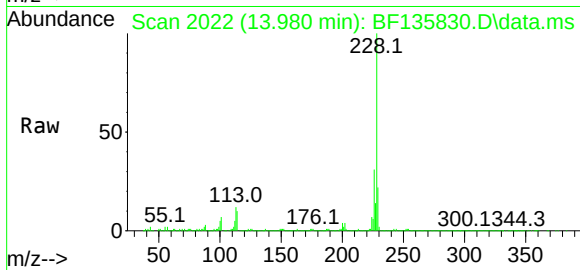
229 21.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.249 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

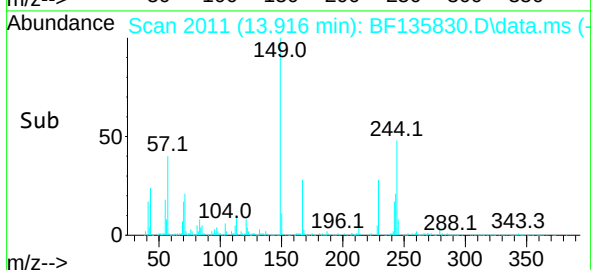
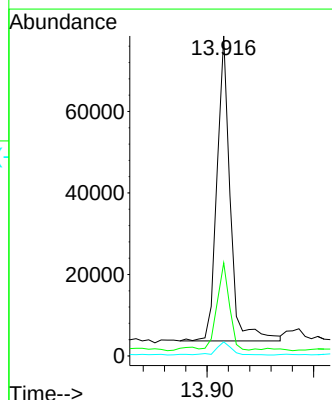
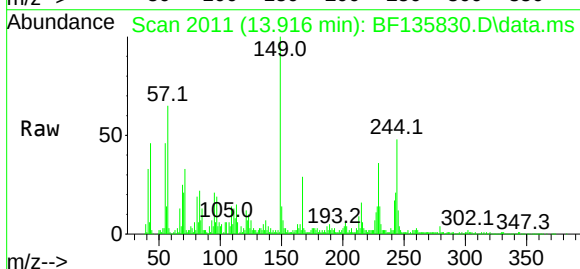
Tgt Ion:149 Resp: 64918

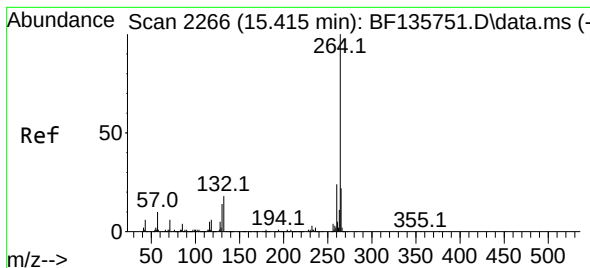
Ion Ratio Lower Upper

149 100

167 29.1 21.3 31.9

279 4.4 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

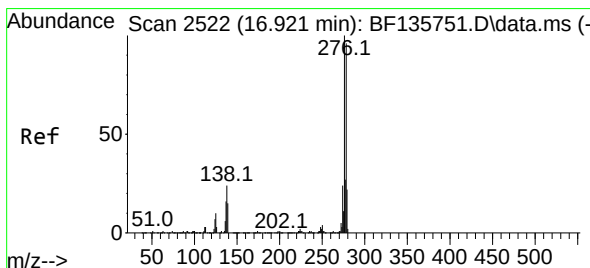
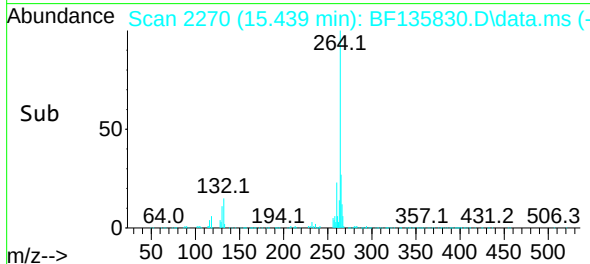
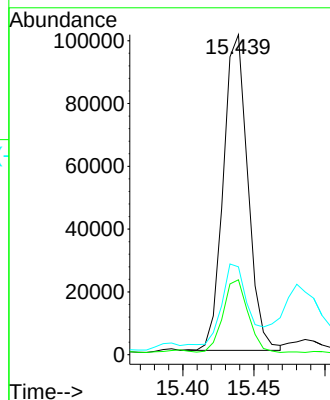
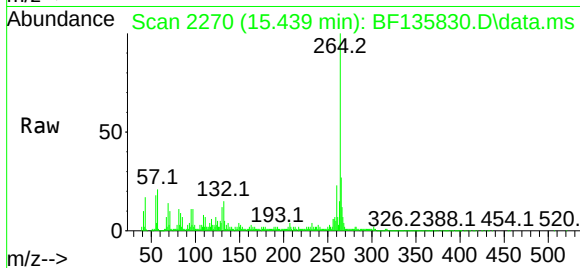
Tgt Ion:	264	Resp:	12062
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	27.5	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 125.387 ng

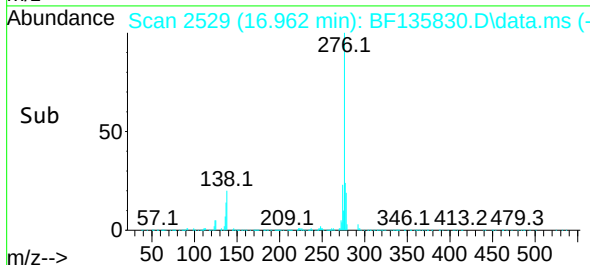
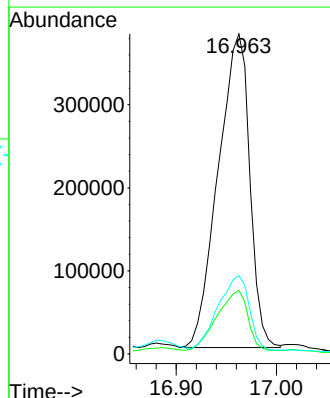
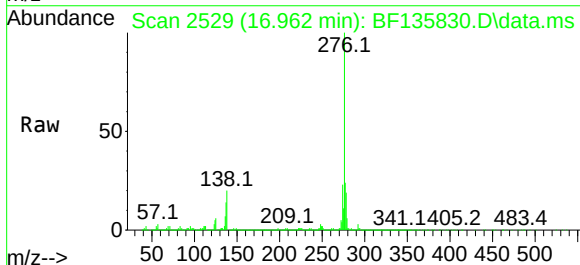
RT: 16.962 min Scan# 2529

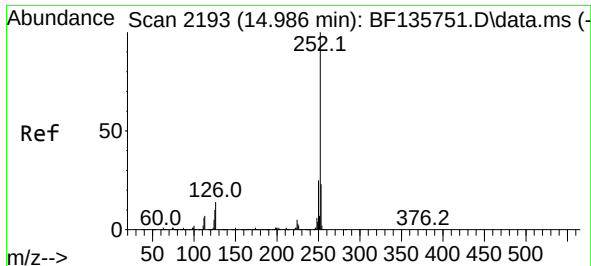
Delta R.T. 0.029 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

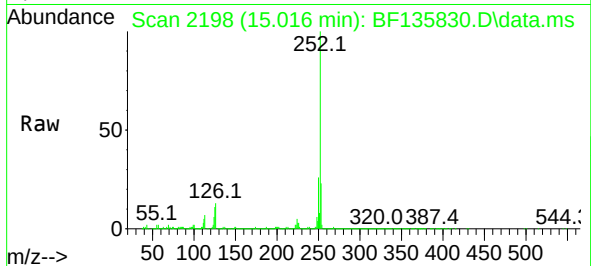
Tgt Ion:	276	Resp:	824090
Ion Ratio	Lower	Upper	
276	100		
138	20.1	19.8	29.6
277	25.2	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 237.889 ng m
RT: 15.016 min Scan# 2193
Delta R.T. 0.024 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

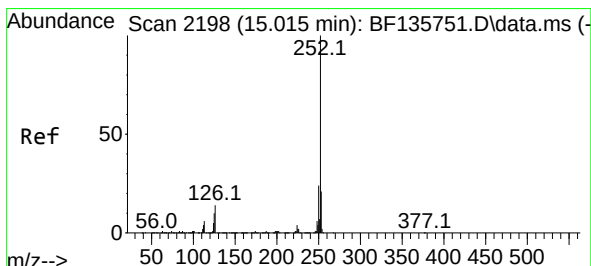
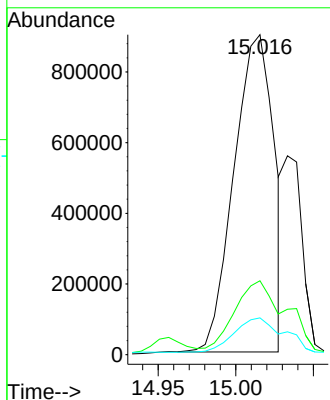
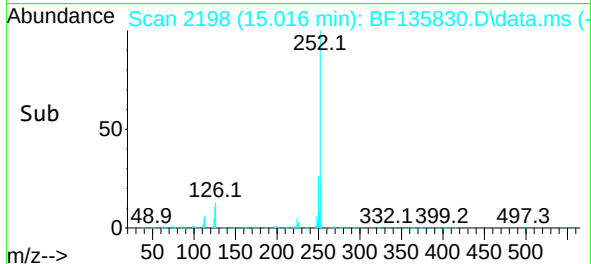
Instrument :
BNA_F
ClientSampleId :
VNJ-223RE



Tgt Ion:252 Resp: 160592
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 11.5 8.2 12.2

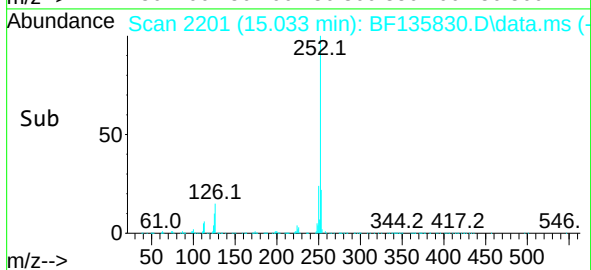
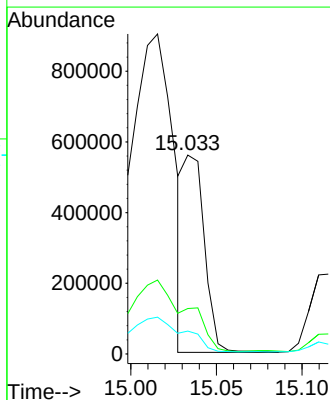
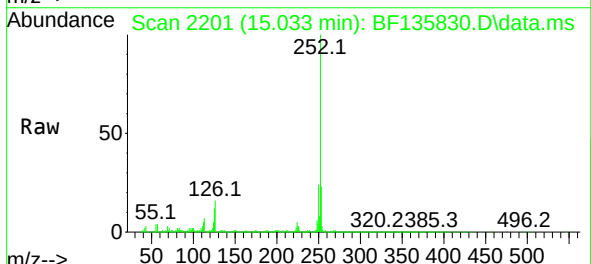
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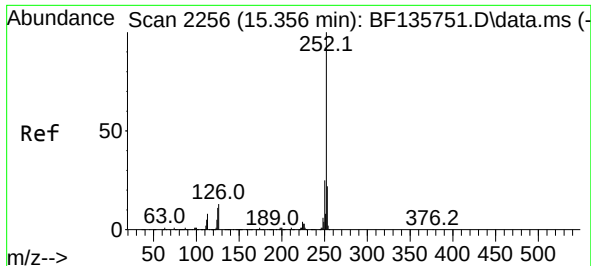
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#89
Benzo(k)fluoranthene
Concen: 71.915 ng m
RT: 15.033 min Scan# 2201
Delta R.T. 0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:252 Resp: 471331
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 11.5 8.3 12.5





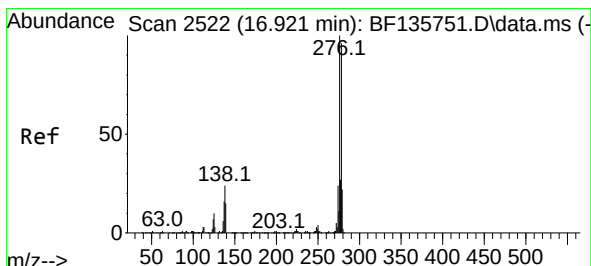
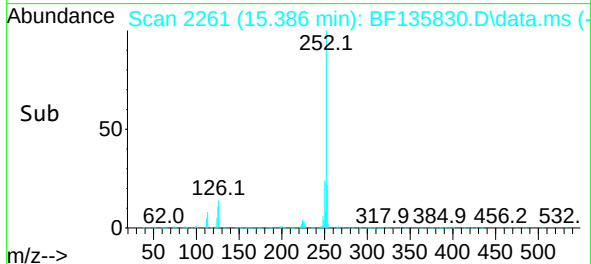
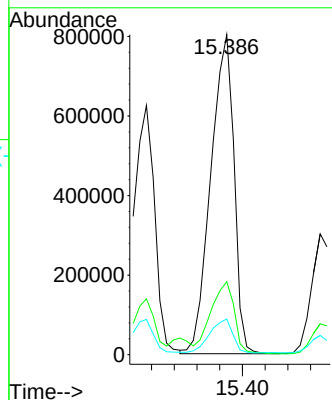
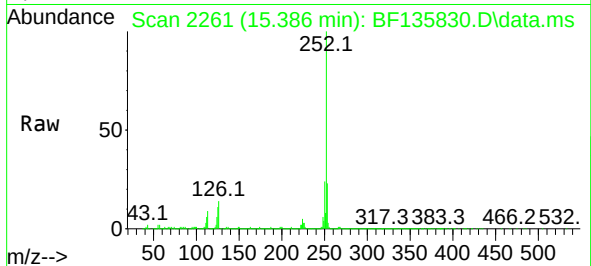
#90
Benzo(a)pyrene
Concen: 179.536 ng
RT: 15.386 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Instrument :
BNA_F
ClientSampleId :
VNJ-223RE

Tgt Ion:252 Resp: 113968
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 11.2 8.8 13.2

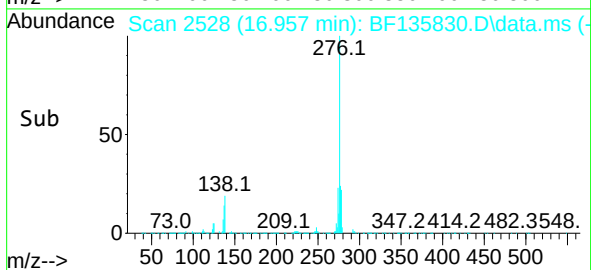
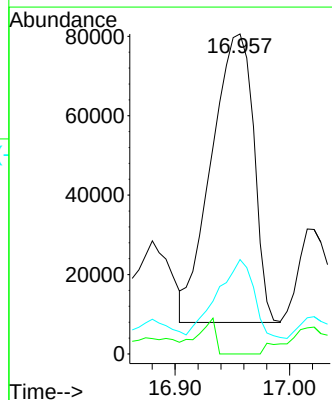
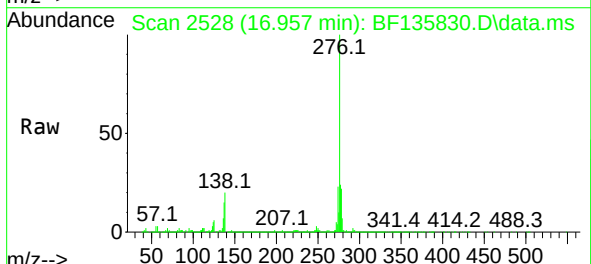
Manual Integrations
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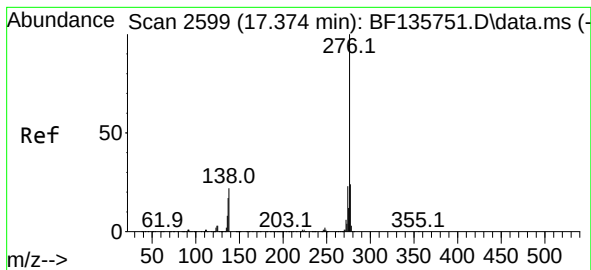
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#91
Dibenzo(a,h)anthracene
Concen: 34.550 ng m
RT: 16.957 min Scan# 2528
Delta R.T. 0.018 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

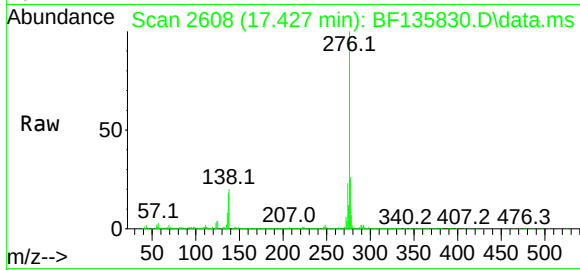
Tgt Ion:278 Resp: 186149
Ion Ratio Lower Upper
278 100
139 0.0 12.5 18.7#
279 29.5 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 149.935 ng
 RT: 17.427 min Scan# 20
 Delta R.T. 0.041 min
 Lab File: BF135830.D
 Acq: 18 Oct 2023 00:37

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223RE



Tgt Ion:276 Resp: 82980
 Ion Ratio Lower Upper
 276 100
 277 25.9 19.4 29.2
 138 20.3 17.3 25.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

