

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135532.D
 Acq On : 02 Oct 2023 17:42
 Operator : CG\JU
 Sample : 04657-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-1(0-2IN)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/03/2023
 Supervised By :mohammad ahmed 10/04/2023

Quant Time: Oct 03 02:56:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

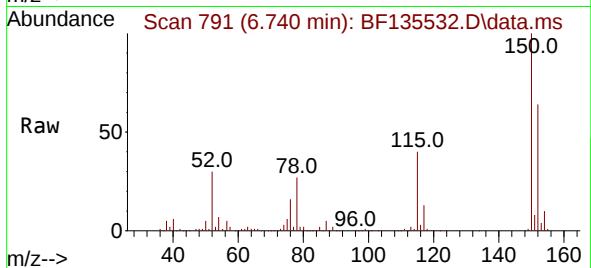
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	156401	20.000	ng	-0.01
21) Naphthalene-d8	8.022	136	569605	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	260776	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	415658	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	226713	20.000	ng	0.00
86) Perylene-d12	15.398	264	298618	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	802616	83.466	ng	0.00
7) Phenol-d6	6.392	99	972506	79.535	ng	-0.01
23) Nitrobenzene-d5	7.304	82	608752	58.063	ng	-0.02
42) 2,4,6-Tribromophenol	10.575	330	164495	63.475	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	876175	50.691	ng	-0.01
79) Terphenyl-d14	12.863	244	536363	36.675	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.039	128	213557	7.716	ng	99
37) 2-Methylnaphthalene	8.733	142	41056	2.207	ng	98
49) Acenaphthylene	9.639	152	324102	13.412	ng	99
55) Dibenzofuran	9.986	168	66090	3.034	ng	93
58) Fluorene	10.328	166	104832	6.260	ng	97
71) Phenanthrene	11.292	178	824754	41.953	ng	98
72) Anthracene	11.345	178	363077	17.968	ng	99
73) Carbazole	11.510	167	42150	2.291	ng	99
75) Fluoranthene	12.498	202	1455484	71.054	ng	100
78) Pyrene	12.727	202	1379336	63.903	ng	100
81) Benzo(a)anthracene	13.921	228	944873m	64.543	ng	
83) Chrysene	13.957	228	729965	50.152	ng	96
84) Bis(2-ethylhexyl)phtha...	13.904	149	19782	2.537	ng	96
87) Indeno(1,2,3-cd)pyrene	16.880	276	480756	24.554	ng	98
88) Benzo(b)fluoranthene	14.974	252	1127588m	69.754	ng	
89) Benzo(k)fluoranthene	14.998	252	375719m	23.529	ng	
90) Benzo(a)pyrene	15.339	252	888901	57.662	ng	98
91) Dibenzo(a,h)anthracene	16.880	278	137259m	8.568	ng	
92) Benzo(g,h,i)perylene	17.327	276	415865	24.856	ng	# 95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. -0.011 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

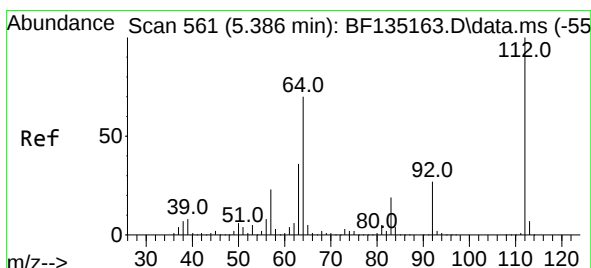
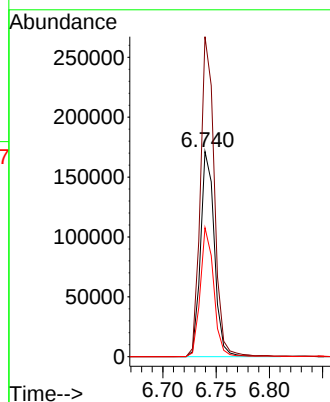
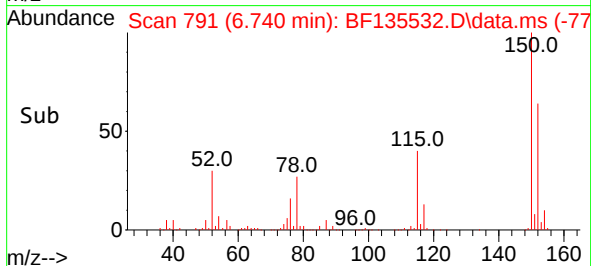
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



Tgt Ion:152 Resp: 15640
Ion Ratio Lower Upper
152 100
150 156.0 127.8 191.6
115 62.9 49.8 74.8

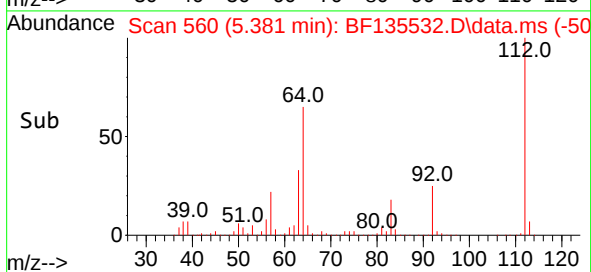
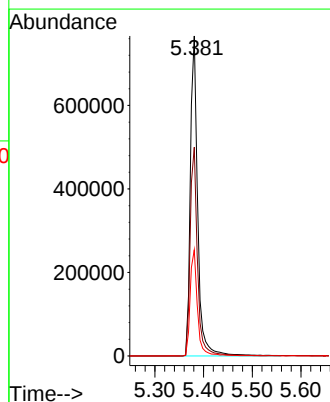
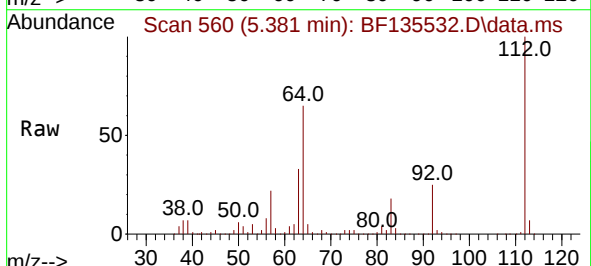
Manual Integrations
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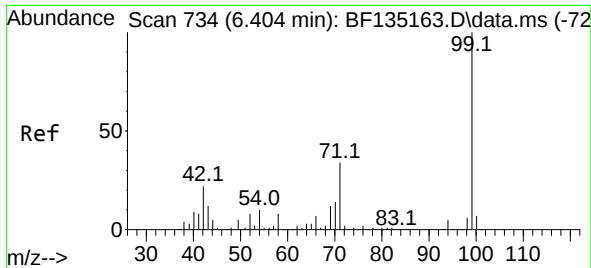
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#5
2-Fluorophenol
Concen: 83.466 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

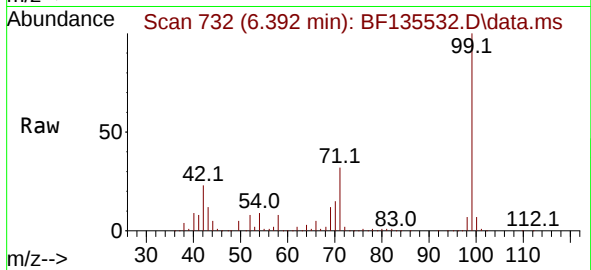
Tgt Ion:112 Resp: 802616
Ion Ratio Lower Upper
112 100
64 65.3 55.9 83.9
63 33.1 29.0 43.6





#7
Phenol-d6
Concen: 79.535 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

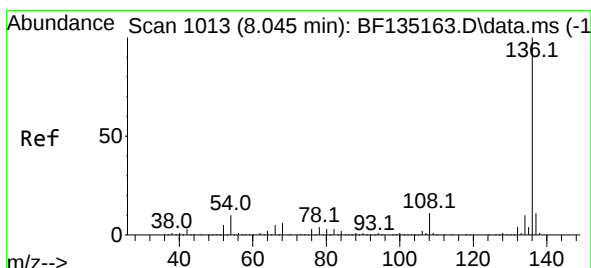
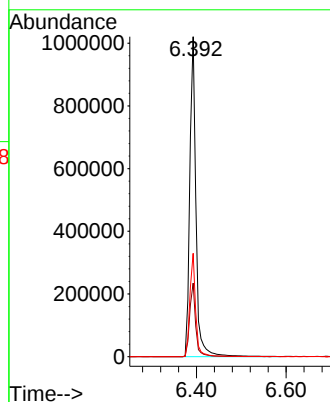
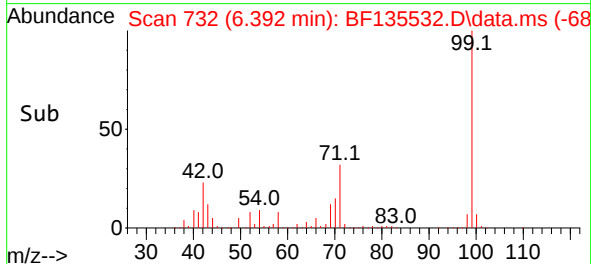
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



Tgt Ion: 99 Resp: 972500
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 32.3 27.0 40.6

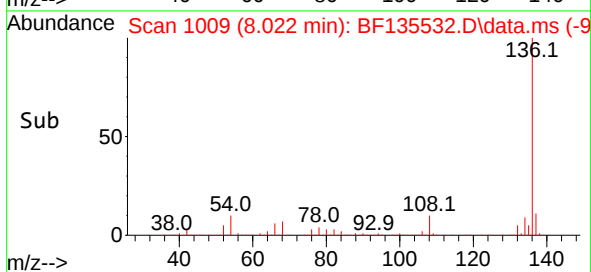
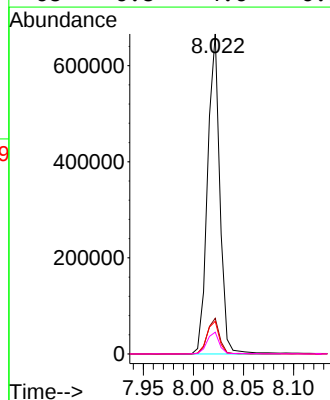
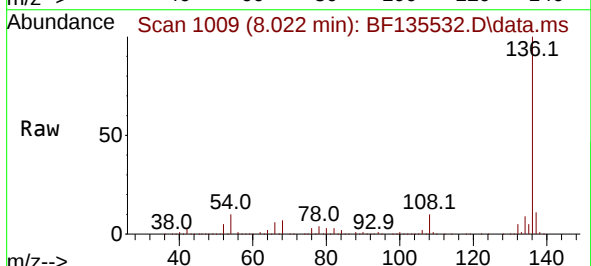
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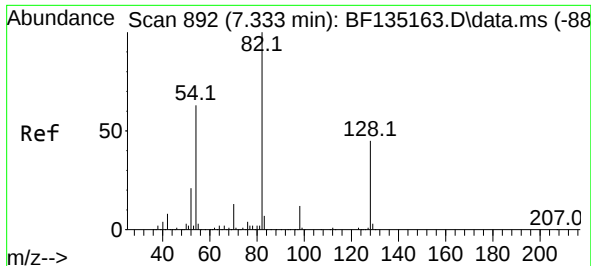
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

Tgt Ion:136 Resp: 569605
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.2 7.7 11.5
68 6.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 58.063 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF135532.D

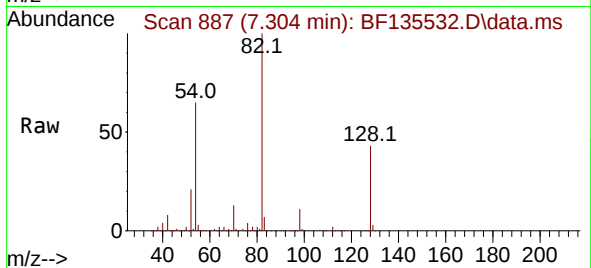
Acq: 02 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

W-1(0-2IN)



Tgt Ion: 82 Resp: 608752

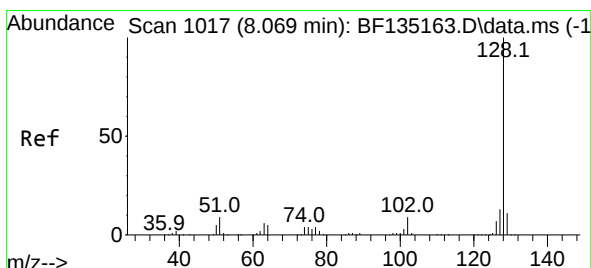
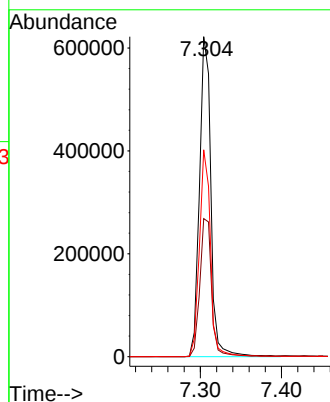
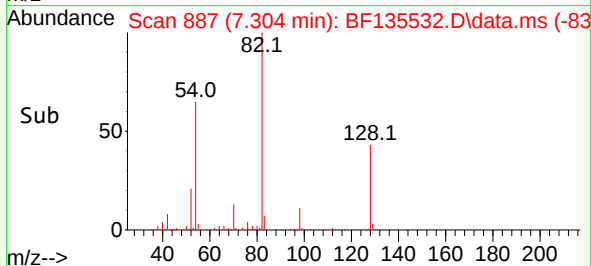
Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.8	53.6
54	64.7	50.6	76.0

Manual Integrations

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Supervised By :mohammad ahmed 10/04/2023



#31

Naphthalene

Concen: 7.716 ng

RT: 8.039 min Scan# 1012

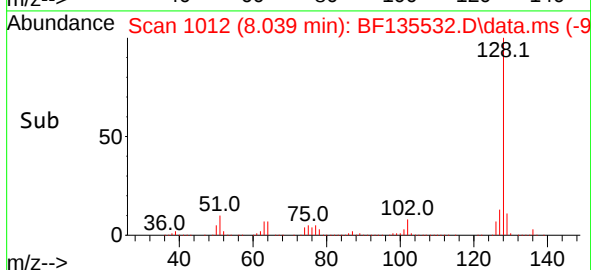
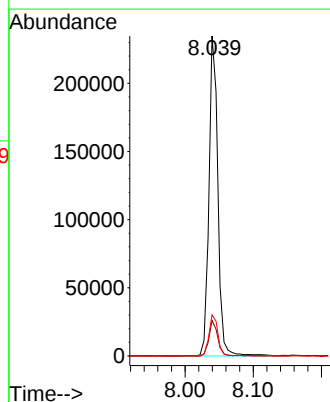
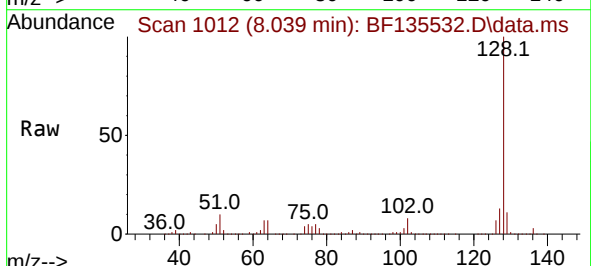
Delta R.T. -0.012 min

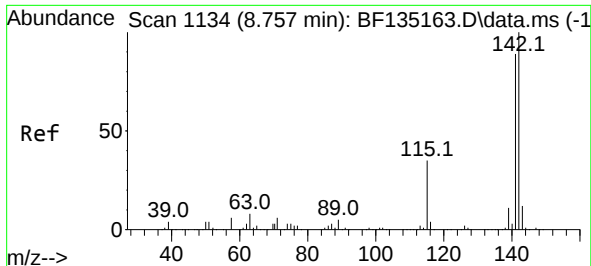
Lab File: BF135532.D

Acq: 02 Oct 2023 17:42

Tgt Ion:128 Resp: 213557

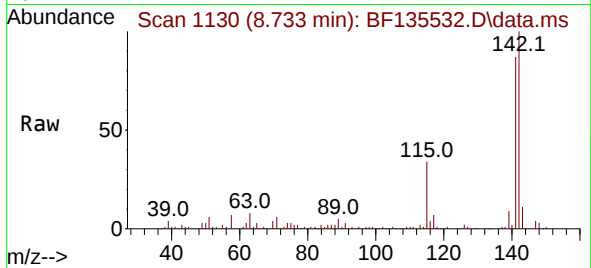
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.8	10.7	16.1





#37
2-Methylnaphthalene
Concen: 2.207 ng
RT: 8.733 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

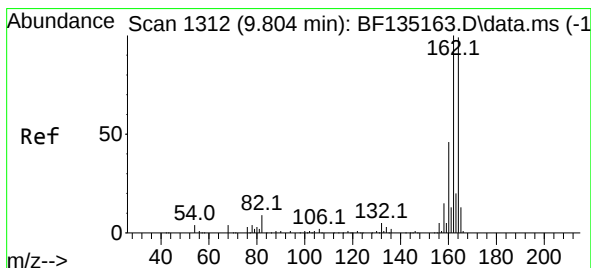
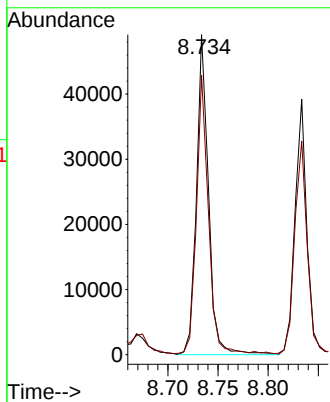
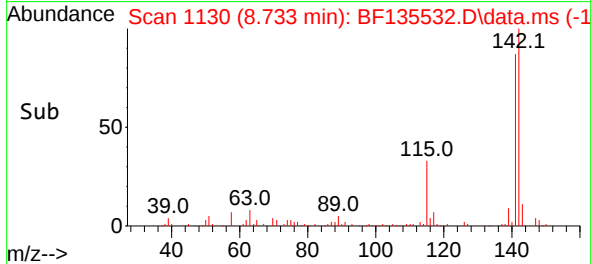
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



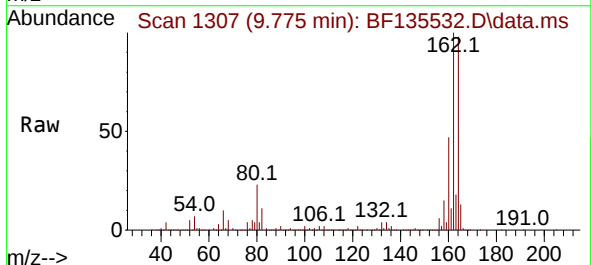
Tgt Ion:142 Resp: 41050
Ion Ratio Lower Upper
142 100
141 87.3 71.0 106.6

Manual Integrations
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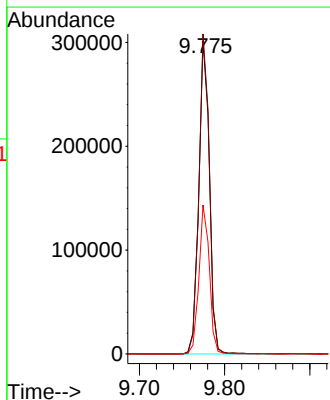
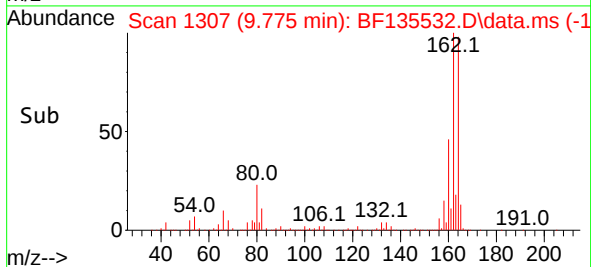
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023

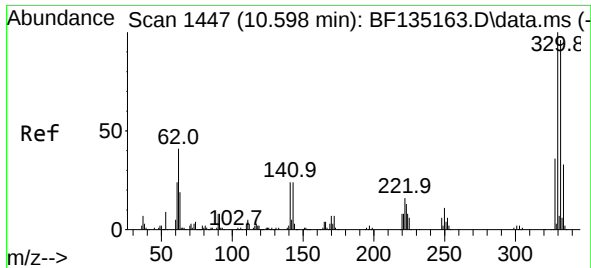


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42



Tgt Ion:164 Resp: 260776
Ion Ratio Lower Upper
164 100
162 102.3 81.0 121.4
160 47.6 37.0 55.4





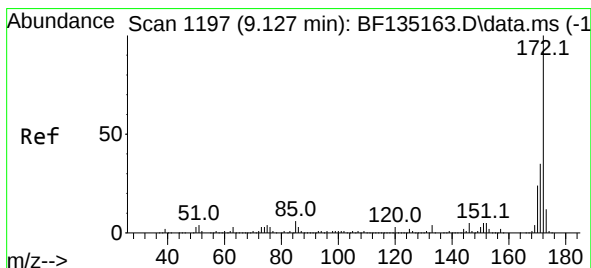
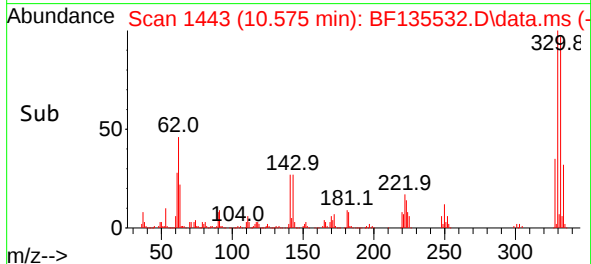
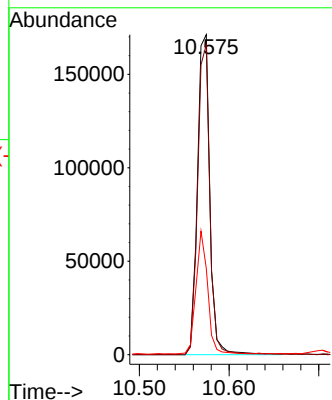
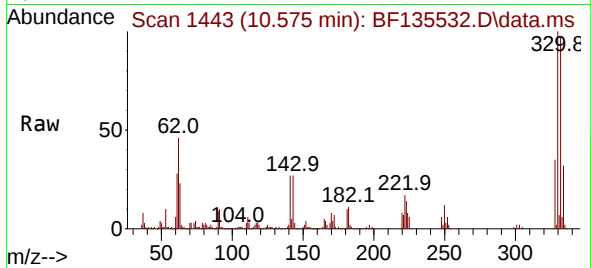
#42
2,4,6-Tribromophenol
Concen: 63.475 ng
RT: 10.575 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)

Tgt Ion:330 Resp: 164495
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 35.7 25.8 38.8

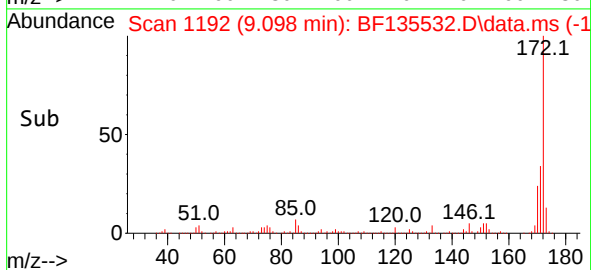
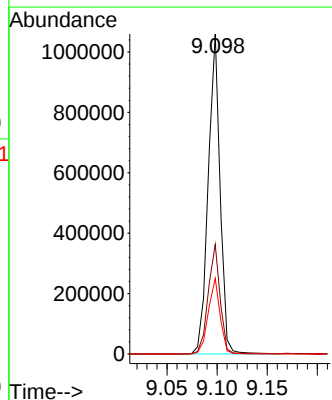
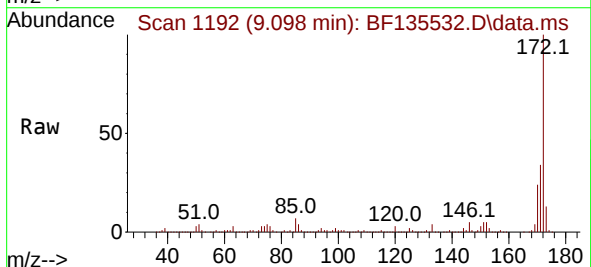
Manual Integrations
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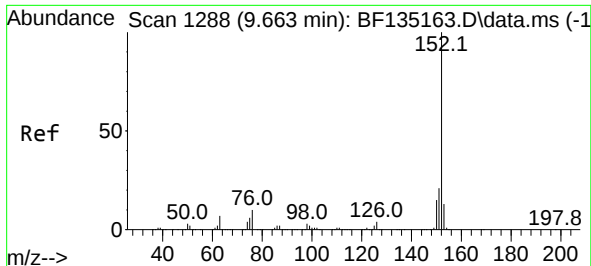
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#45
2-Fluorobiphenyl
Concen: 50.691 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

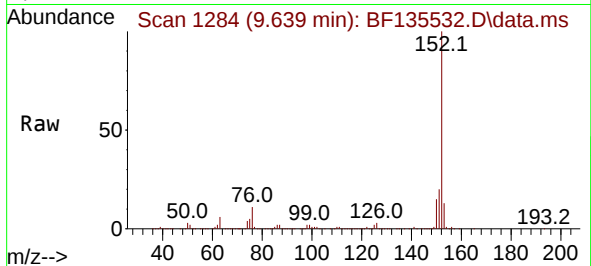
Tgt Ion:172 Resp: 876175
Ion Ratio Lower Upper
172 100
171 34.2 28.4 42.6
170 23.6 19.0 28.4





#49
Acenaphthylene
Concen: 13.412 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

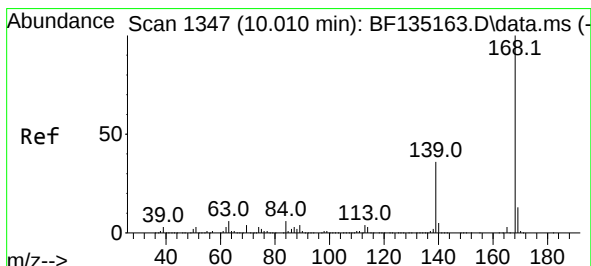
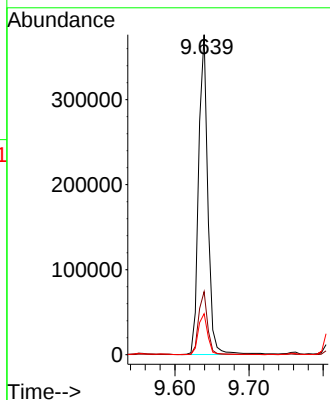
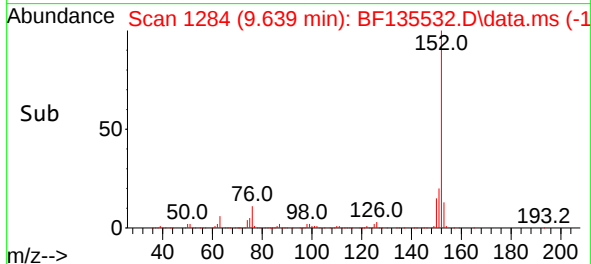
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



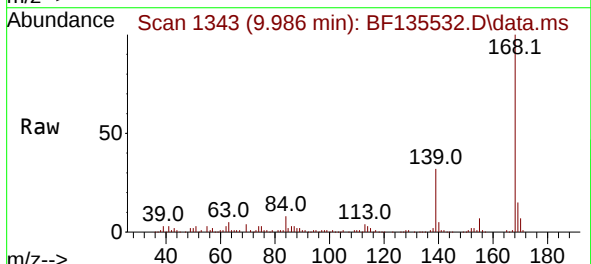
Tgt Ion:152 Resp: 32410
Ion Ratio Lower Upper
152 100
151 19.7 16.4 24.6
153 12.8 10.4 15.6

Manual Integrations
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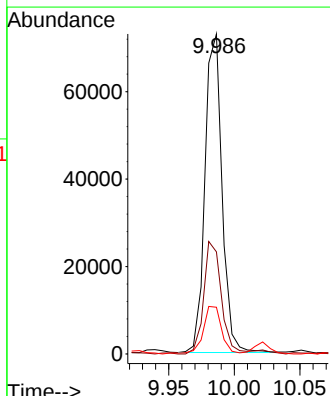
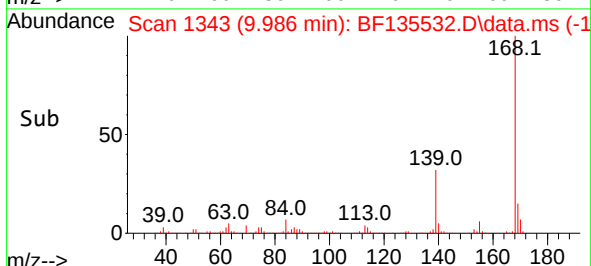
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023

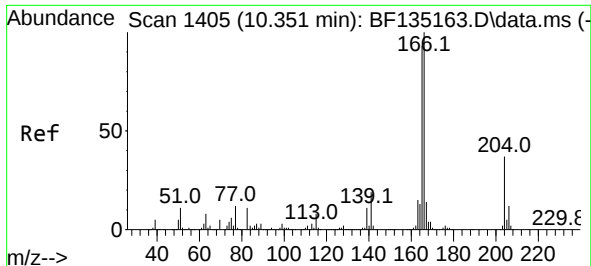


#55
Dibenzofuran
Concen: 3.034 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42



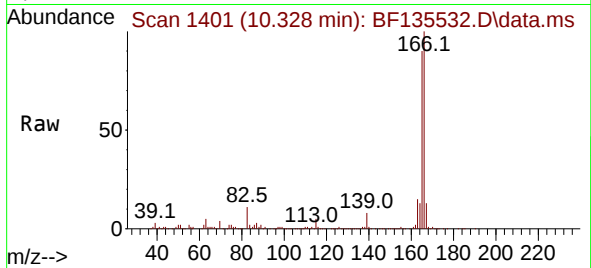
Tgt Ion:168 Resp: 66090
Ion Ratio Lower Upper
168 100
139 31.9 29.0 43.6
169 14.6 10.4 15.6





#58
Fluorene
Concen: 6.260 ng
RT: 10.328 min Scan# 1405
Delta R.T. -0.012 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

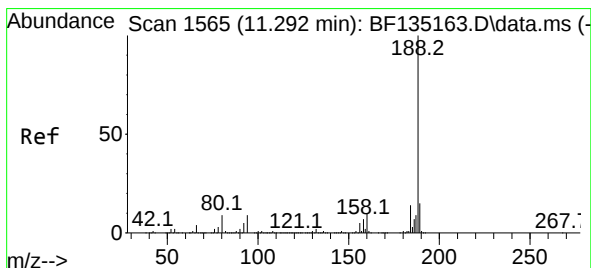
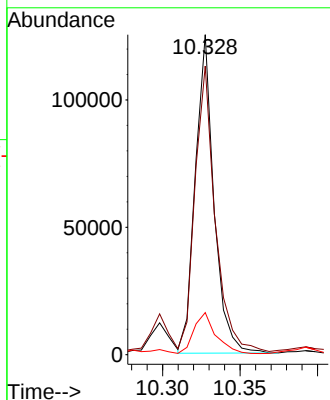
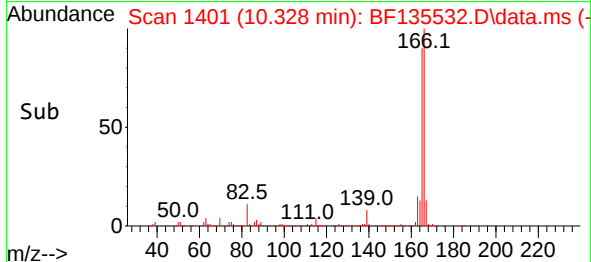
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



Tgt Ion:166 Resp: 104832
Ion Ratio Lower Upper
166 100
165 90.2 74.3 111.5
167 13.1 10.9 16.3

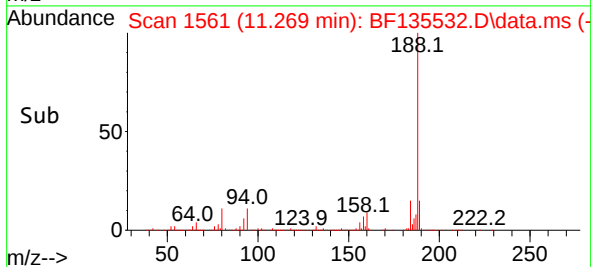
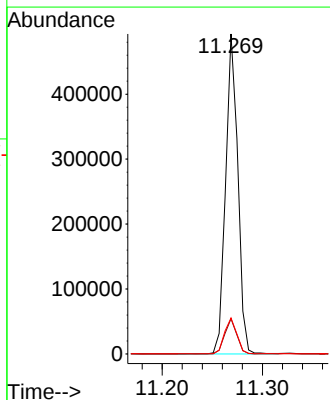
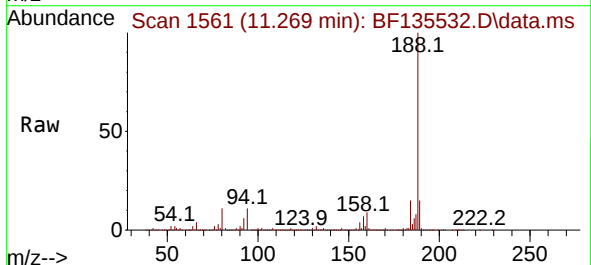
Manual Integrations
APPROVED

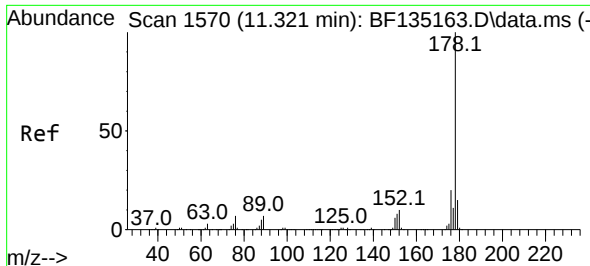
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

Tgt Ion:188 Resp: 415658
Ion Ratio Lower Upper
188 100
94 11.0 7.0 10.6#
80 11.3 7.5 11.3





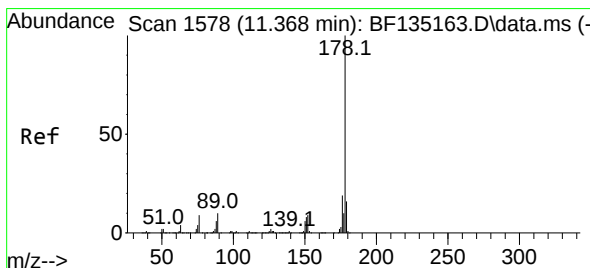
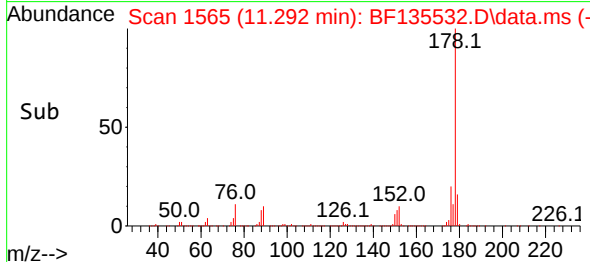
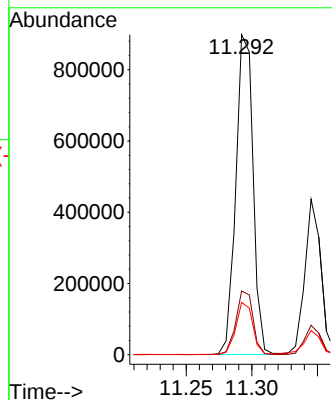
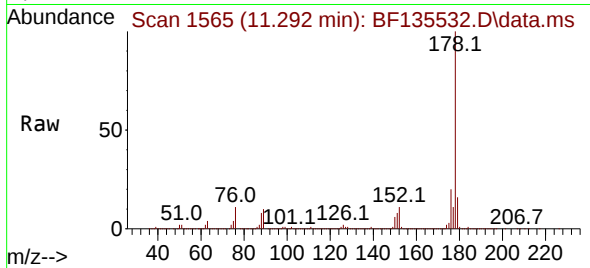
#71
Phenanthrene
Concen: 41.953 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)

Tgt Ion:178 Resp: 824754
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 16.4 12.0 18.0

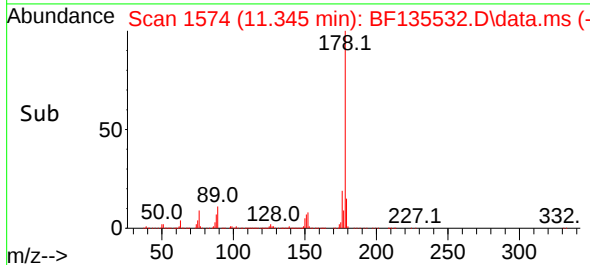
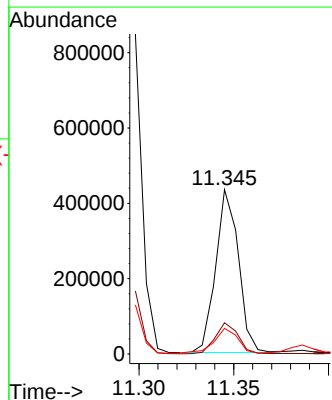
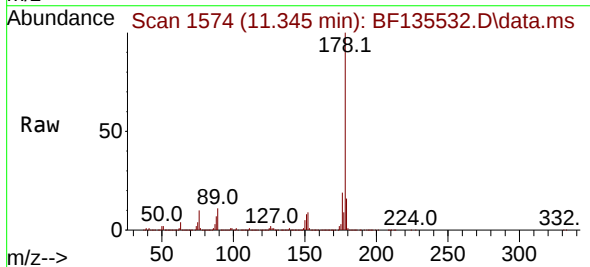
Manual Integrations
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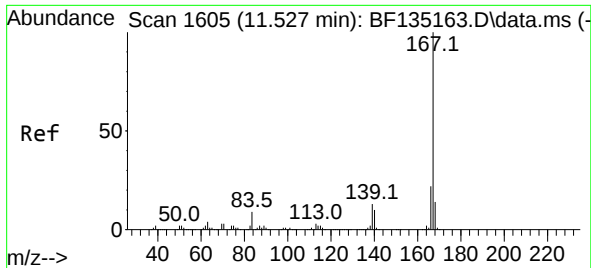
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#72
Anthracene
Concen: 17.968 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

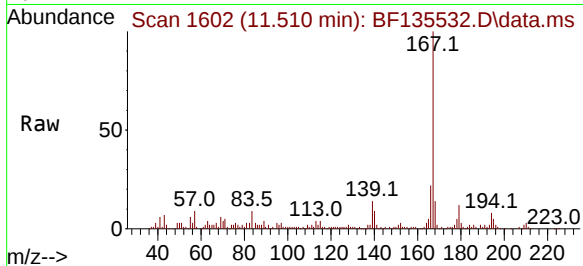
Tgt Ion:178 Resp: 363077
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.6 12.6 19.0





#73
 Carbazole
 Concen: 2.291 ng
 RT: 11.510 min Scan# 1602
 Delta R.T. -0.006 min
 Lab File: BF135532.D
 Acq: 02 Oct 2023 17:42

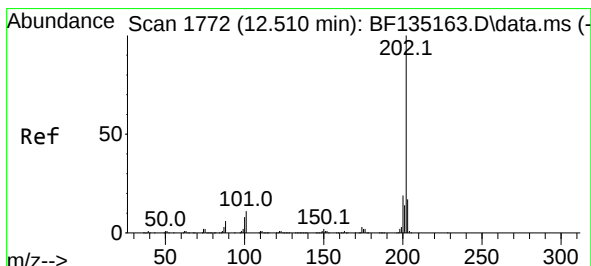
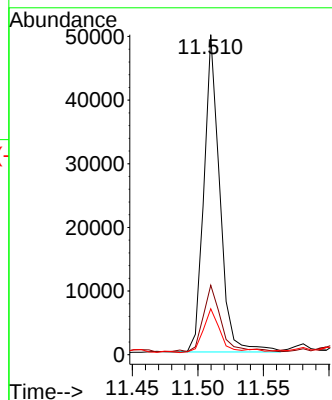
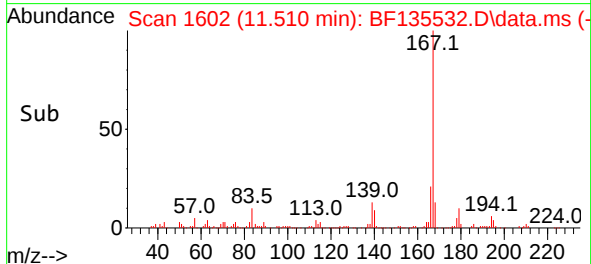
Instrument :
 BNA_F
 ClientSampleId :
 W-1(0-2IN)



Tgt Ion:167 Resp: 42150
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 14.3 10.6 15.8

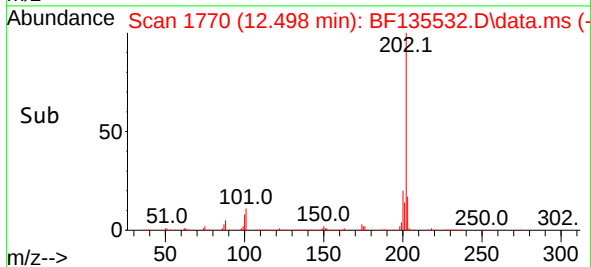
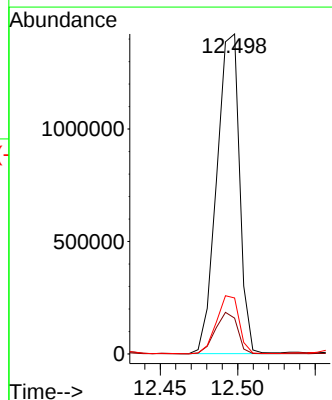
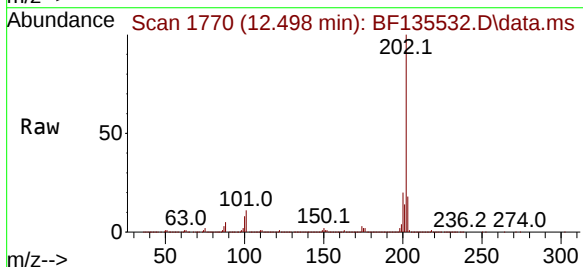
Manual Integrations
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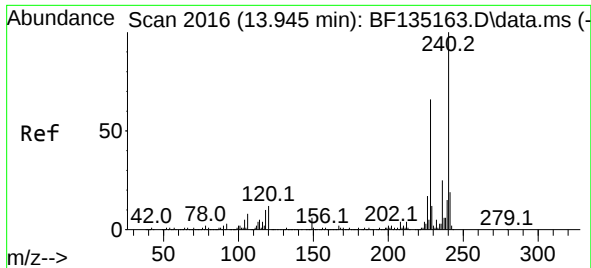
Reviewed By :Yogesh Patel 10/03/2023
 Supervised By :mohammad ahmed 10/04/2023



#75
 Fluoranthene
 Concen: 71.054 ng
 RT: 12.498 min Scan# 1770
 Delta R.T. 0.000 min
 Lab File: BF135532.D
 Acq: 02 Oct 2023 17:42

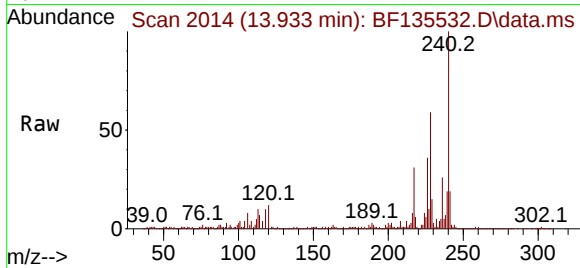
Tgt Ion:202 Resp: 1455484
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.3
 203 17.5 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

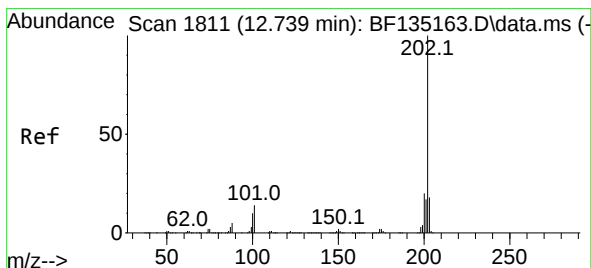
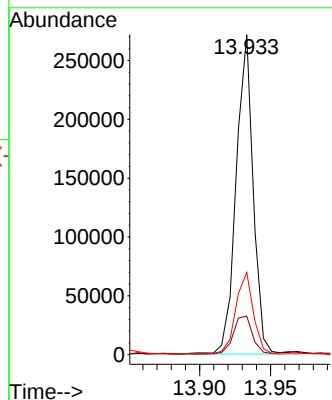
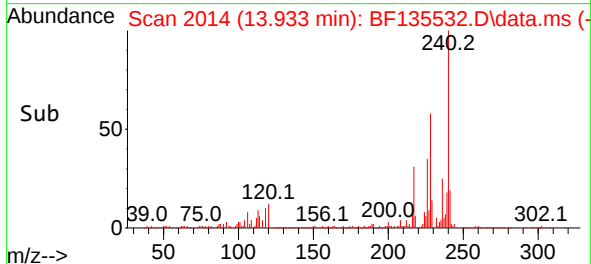
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



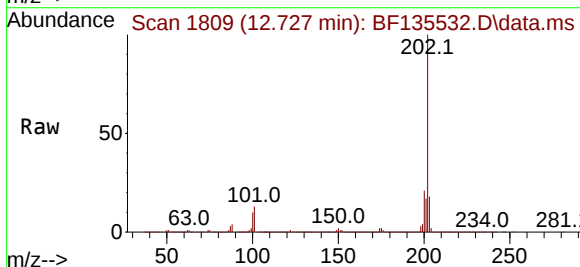
Tgt Ion:240 Resp: 226711
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 25.7 19.8 29.8

Manual Integrations
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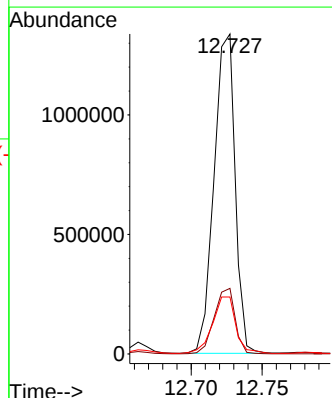
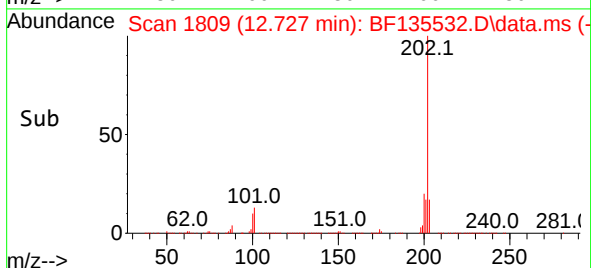
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023

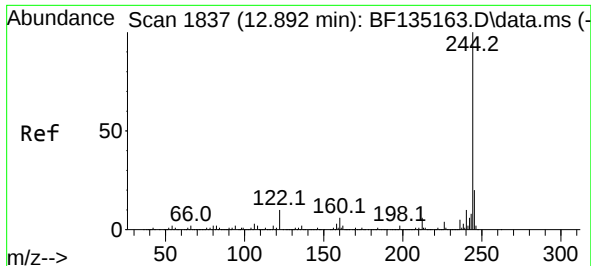


#78
Pyrene
Concen: 63.903 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42



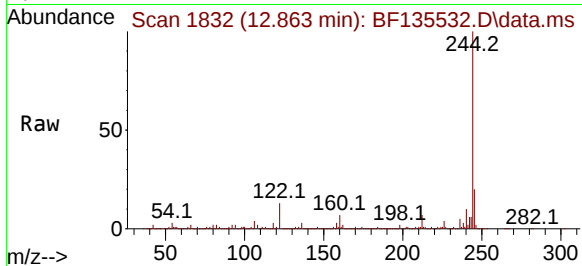
Tgt Ion:202 Resp: 1379336
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 17.8 14.2 21.4





#79
Terphenyl-d14
Concen: 36.675 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

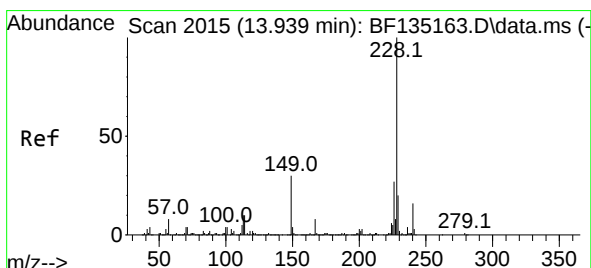
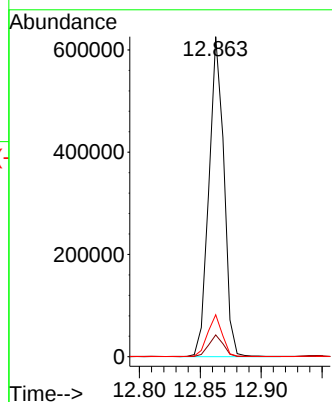
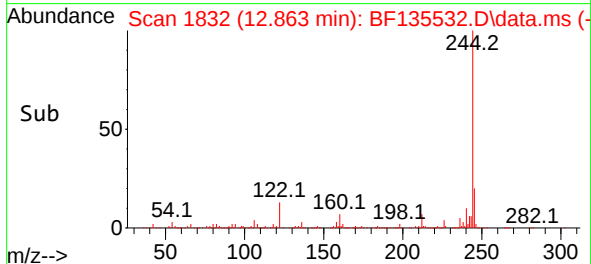
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



Tgt Ion:244 Resp: 53636
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 13.1 7.9 11.9

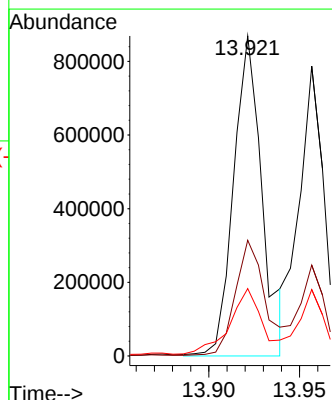
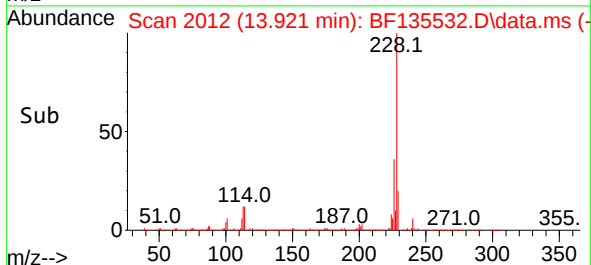
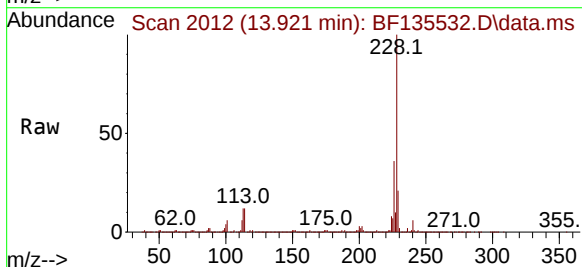
Manual Integrations
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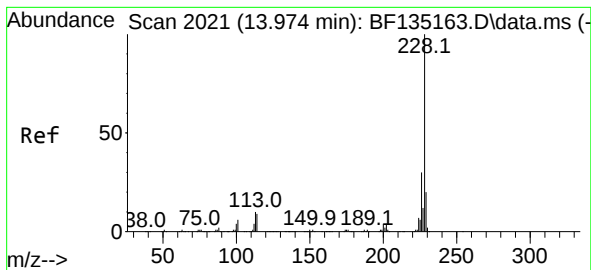
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#81
Benzo(a)anthracene
Concen: 64.543 ng m
RT: 13.921 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

Tgt Ion:228 Resp: 944873
Ion Ratio Lower Upper
228 100
226 36.2 21.7 32.5#
229 21.0 15.8 23.8





#83

Chrysene

Concen: 50.152 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135532.D

Acq: 02 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

W-1(0-2IN)

Tgt Ion:228 Resp: 72996

Ion Ratio Lower Upper

228 100

226 31.4 24.3 36.5

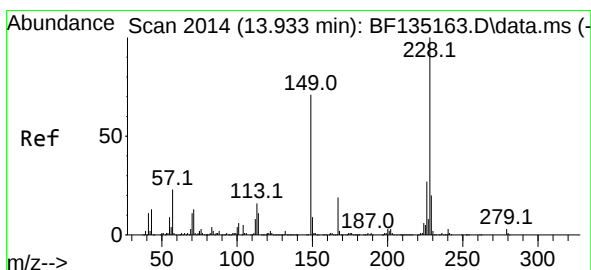
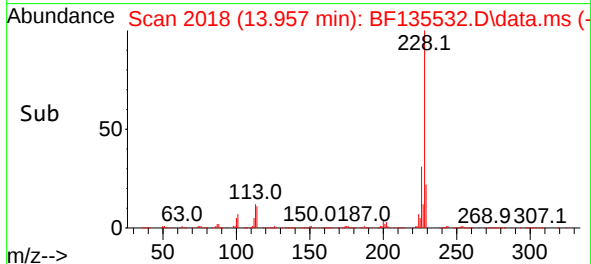
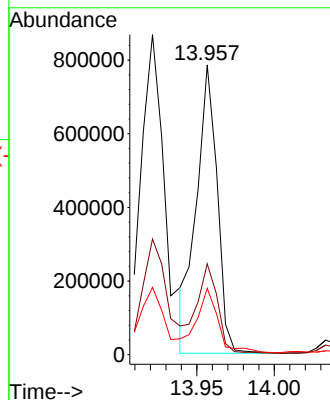
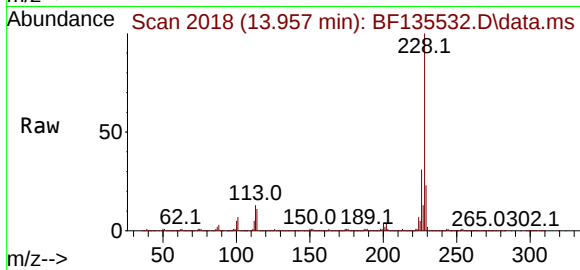
229 22.9 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.537 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF135532.D

Acq: 02 Oct 2023 17:42

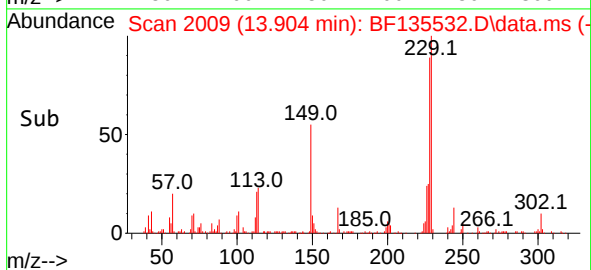
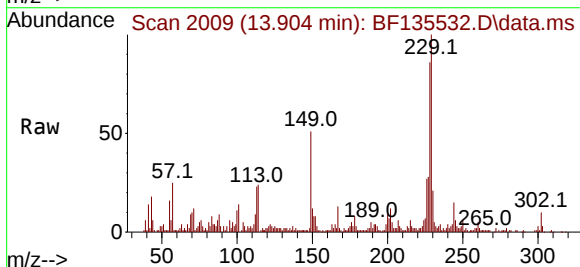
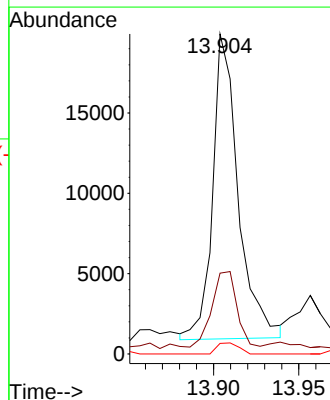
Tgt Ion:149 Resp: 19782

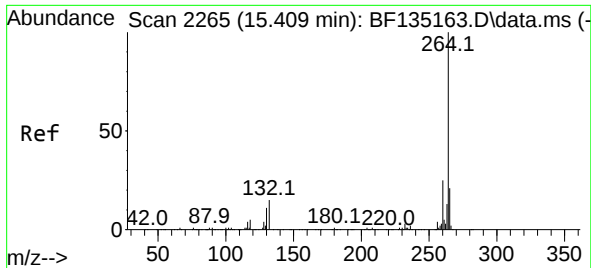
Ion Ratio Lower Upper

149 100

167 25.3 21.9 32.9

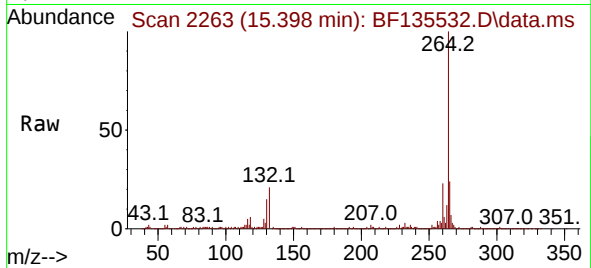
279 3.3 3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

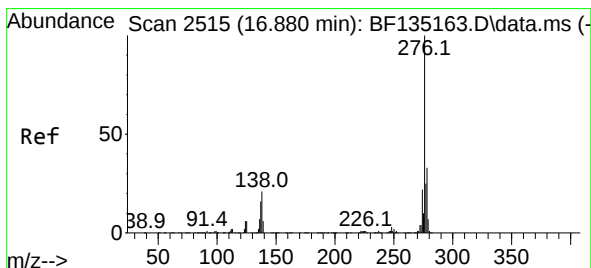
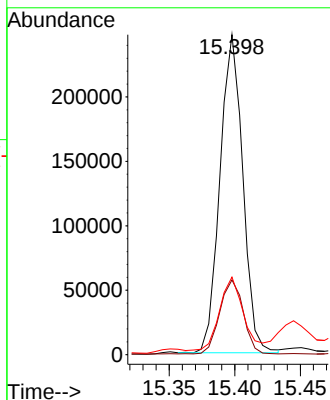
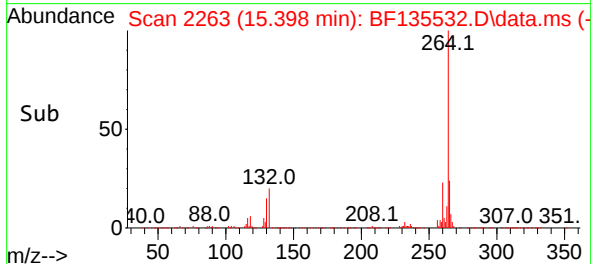
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



Tgt Ion:264 Resp: 298618
Ion Ratio Lower Upper
264 100
260 23.3 19.8 29.6
265 24.3 17.0 25.4

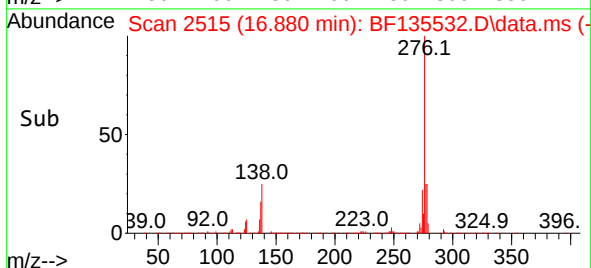
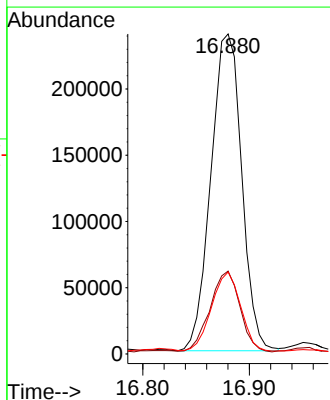
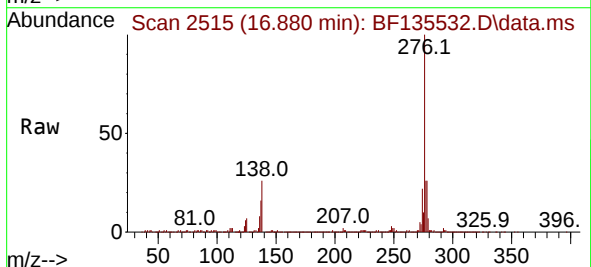
Manual Integrations
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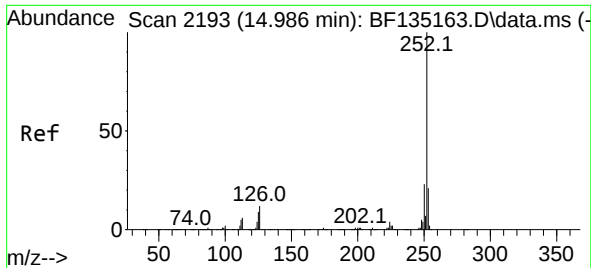
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 24.554 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

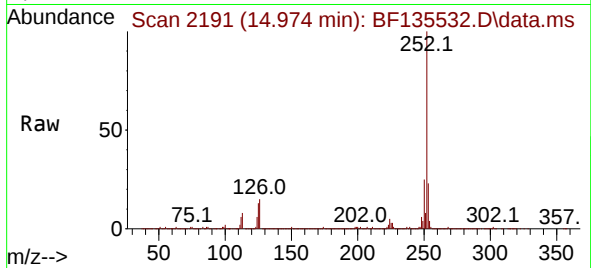
Tgt Ion:276 Resp: 480756
Ion Ratio Lower Upper
276 100
138 24.6 19.2 28.8
277 23.4 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 69.754 ng m
RT: 14.974 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

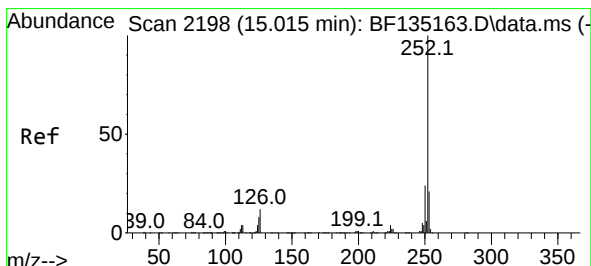
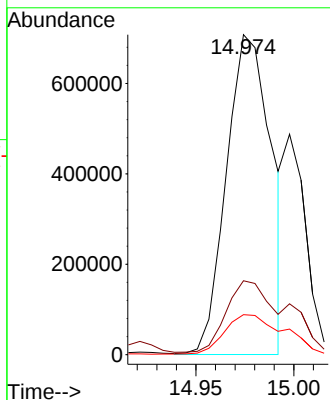
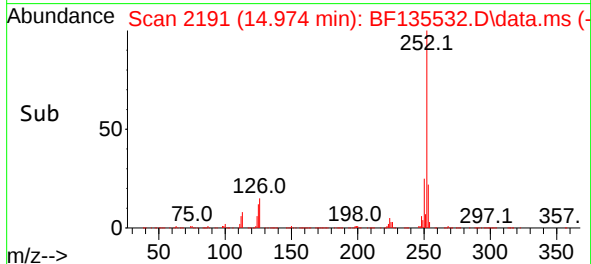
Instrument :
BNA_F
ClientSampleId :
W-1(0-2IN)



Tgt Ion:252 Resp: 112758
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.5 7.1 10.7

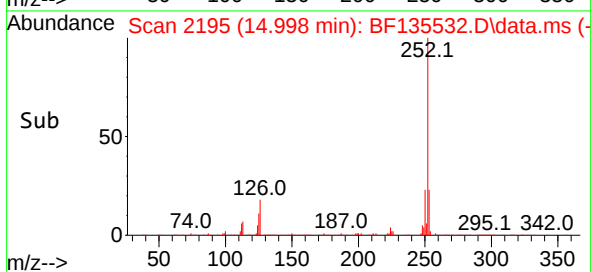
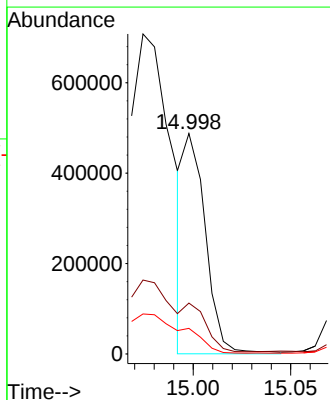
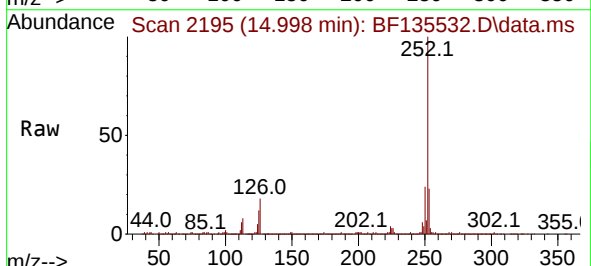
Manual Integrations
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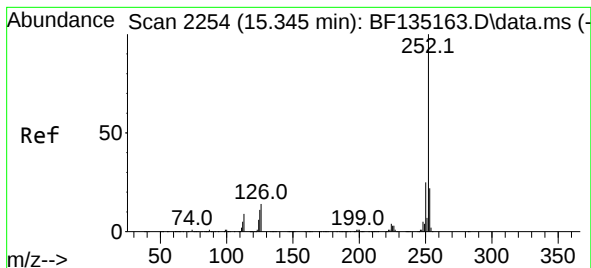
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#89
Benzo(k)fluoranthene
Concen: 23.529 ng m
RT: 14.998 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF135532.D
Acq: 02 Oct 2023 17:42

Tgt Ion:252 Resp: 375719
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 57.662 ng

RT: 15.339 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135532.D

Acq: 02 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

W-1(0-2IN)

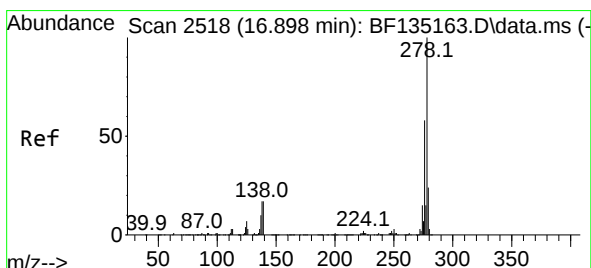
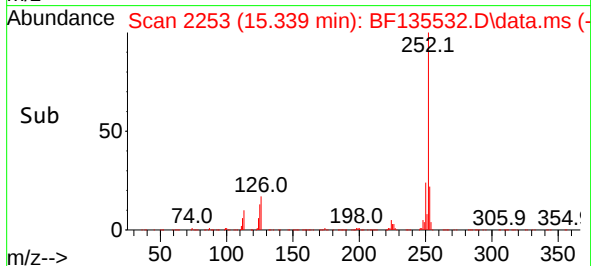
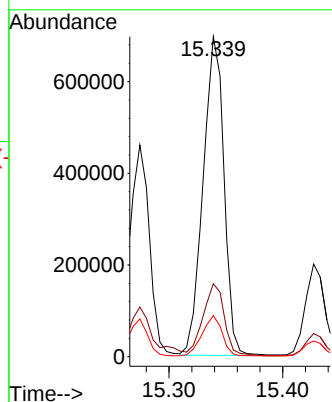
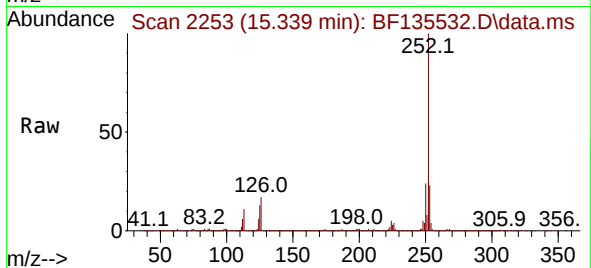
Tgt Ion:252 Resp: 88890
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.5 26.3
 125 12.9 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#91

Dibenzo(a,h)anthracene

Concen: 8.568 ng m

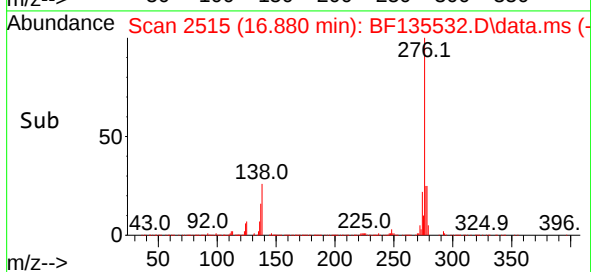
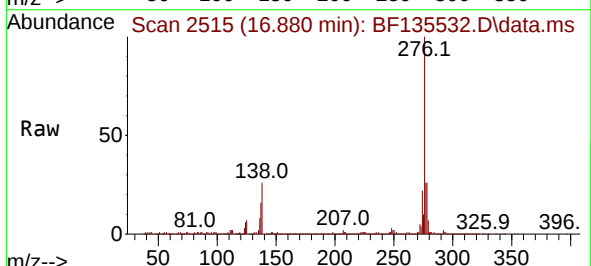
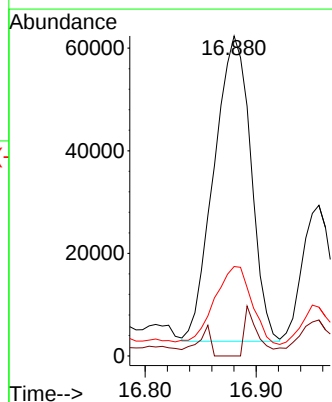
RT: 16.880 min Scan# 2515

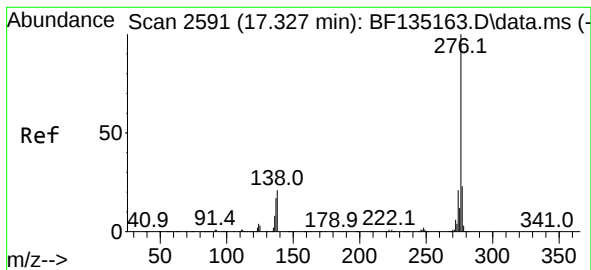
Delta R.T. -0.006 min

Lab File: BF135532.D

Acq: 02 Oct 2023 17:42

Tgt Ion:278 Resp: 137259
 Ion Ratio Lower Upper
 278 100
 139 0.0 13.4 20.0#
 279 28.0 19.0 28.6





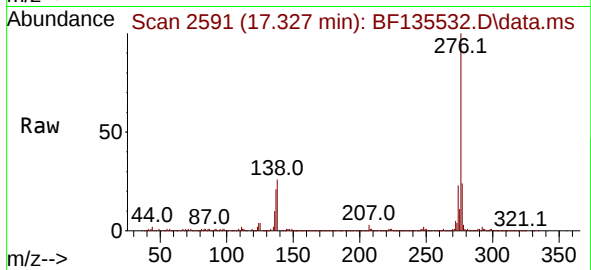
#92
 Benzo(g,h,i)perylene
 Concen: 24.856 ng
 RT: 17.327 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135532.D
 Acq: 02 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

W-1(0-2IN)



Tgt Ion:276 Resp: 41586
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.8 28.2
 138 26.0 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023

