

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135832.D
 Acq On : 18 Oct 2023 01:37
 Operator : CG\JU
 Sample : 04657-07RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)RE

Manual Integrations
 APPROVED

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

Quant Time: Oct 18 02:06:07 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	6.739	152	72296	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	257604	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	125488	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	200092	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	156670	20.000	ng	-0.01
86) Perylene-d12	15.421	264	116942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	476481	105.962	ng	0.00
7) Phenol-d6	6.398	99	554853	98.892	ng	0.00
23) Nitrobenzene-d5	7.304	82	329675	70.387	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	117751	97.787	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	543137	67.672	ng	-0.01
79) Terphenyl-d14	12.868	244	445791	52.695	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.039	128	48868	3.889	ng	100
49) Acenaphthylene	9.639	152	79348	6.921	ng	98
58) Fluorene	10.327	166	31241	3.849	ng	99
71) Phenanthrene	11.298	178	307790	32.110	ng	99
72) Anthracene	11.351	178	104229	10.494	ng	98
75) Fluoranthene	12.498	202	513831	48.299	ng	98
78) Pyrene	12.727	202	534498	42.932	ng	100
81) Benzo(a)anthracene	13.933	228	269943	26.232	ng	94
83) Chrysene	13.968	228	245589	24.639	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	19489	2.628	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.927	276	75604	11.865	ng	92
88) Benzo(b)fluoranthene	14.992	252	213207m	32.576	ng	
89) Benzo(k)fluoranthene	15.015	252	60409m	9.507	ng	
90) Benzo(a)pyrene	15.362	252	145545	23.649	ng	98
91) Dibenzo(a,h)anthracene	16.927	278	20947m	4.010	ng	
92) Benzo(g,h,i)perylene	17.386	276	72154	13.447	ng	99

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

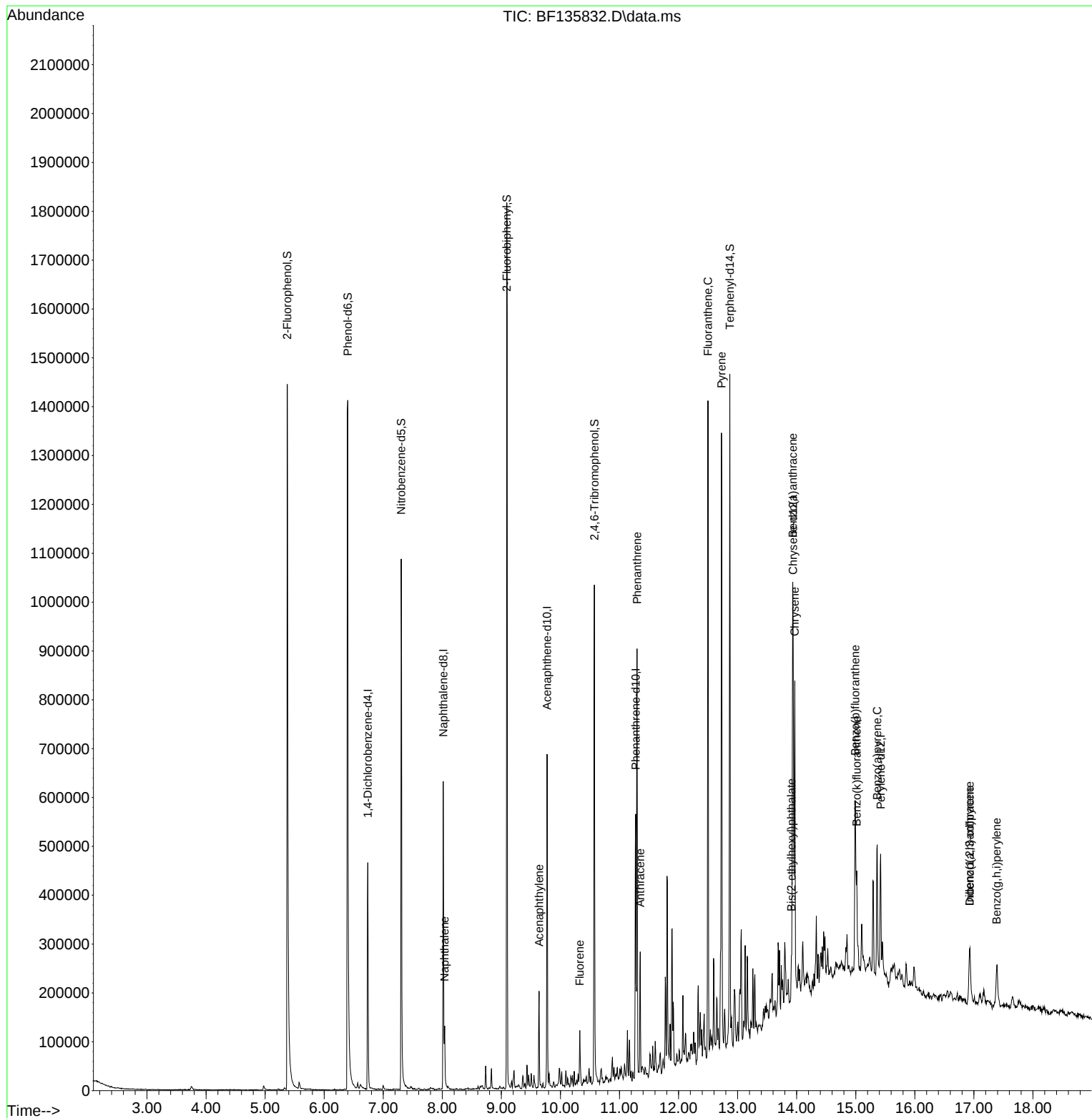
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
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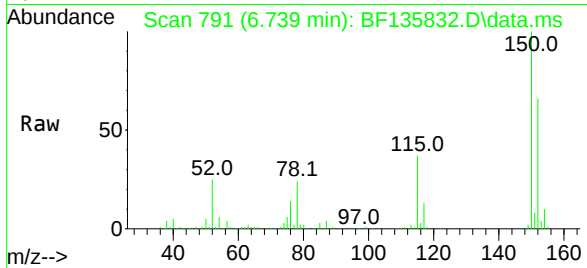
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

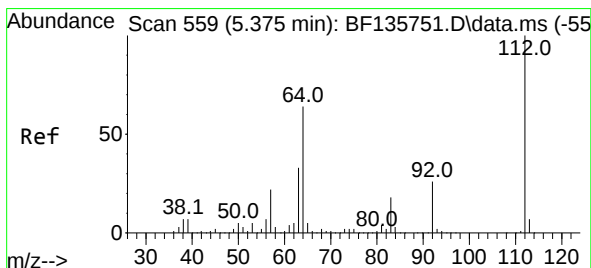
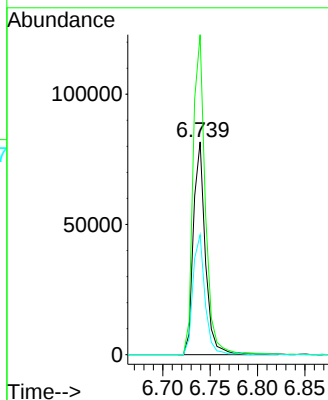
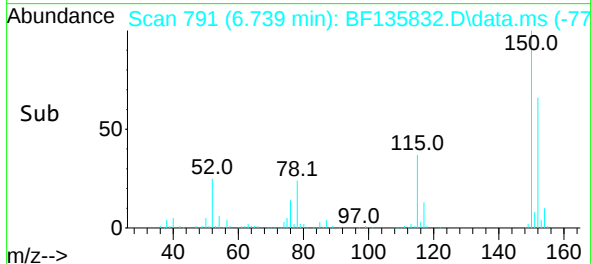
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)RE



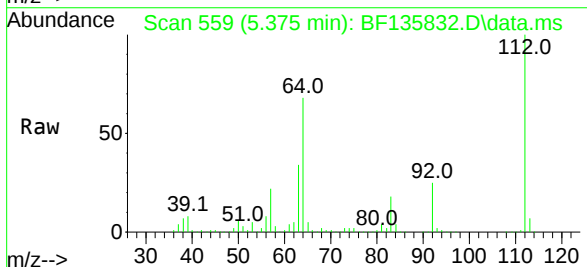
Tgt Ion:152 Resp: 72290
Ion Ratio Lower Upper
152 100
150 150.4 124.5 186.7
115 56.3 49.0 73.4

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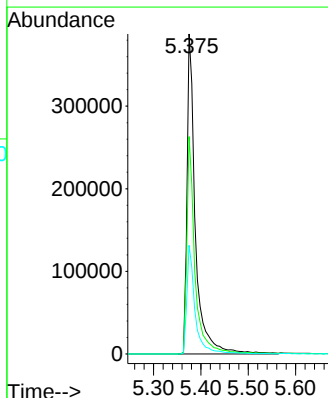
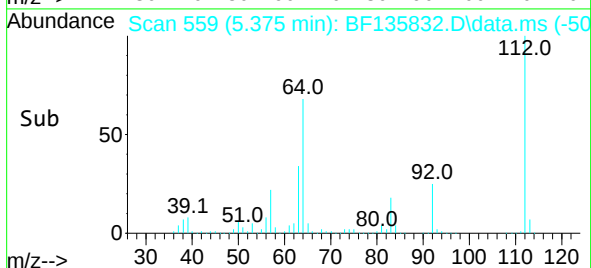
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

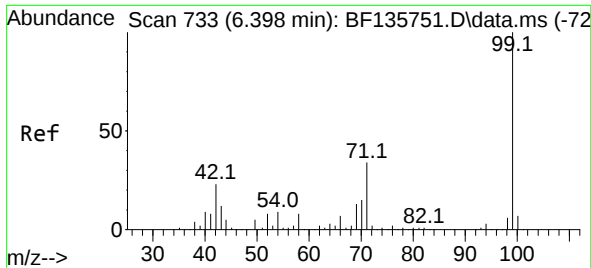


#5
2-Fluorophenol
Concen: 105.962 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37



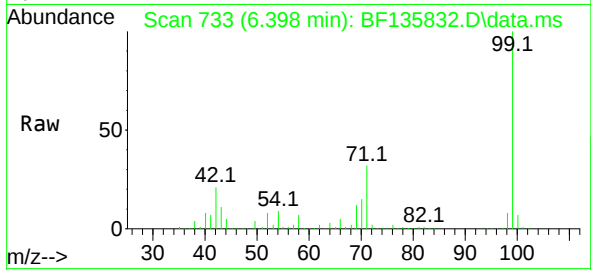
Tgt Ion:112 Resp: 476481
Ion Ratio Lower Upper
112 100
64 67.9 51.2 76.8
63 33.9 26.1 39.1





#7
Phenol-d6
Concen: 98.892 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

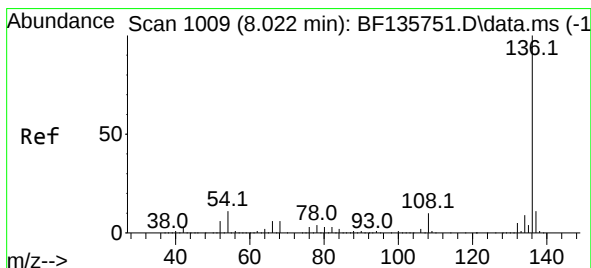
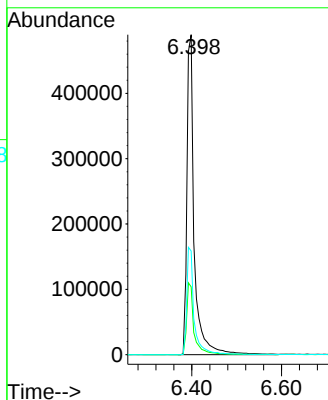
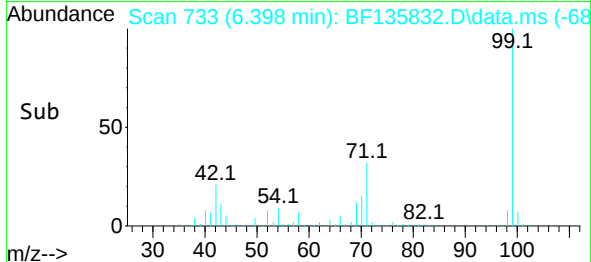
Instrument :
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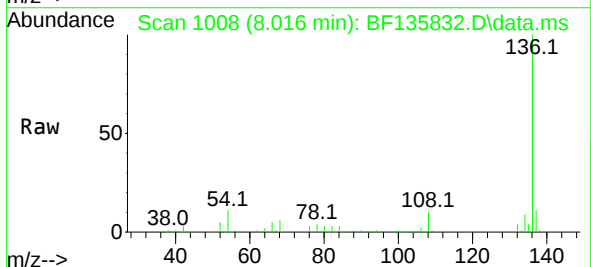
Tgt Ion: 99 Resp: 55485
Ion Ratio Lower Upper
99 100
42 21.2 18.4 27.6
71 32.4 27.2 40.8

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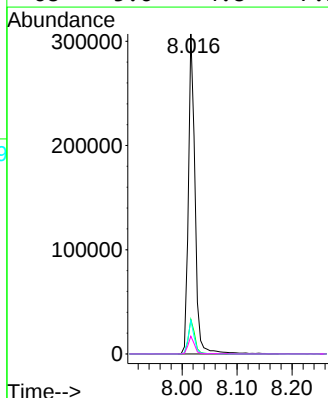
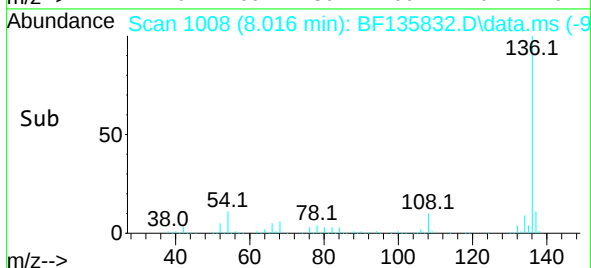
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

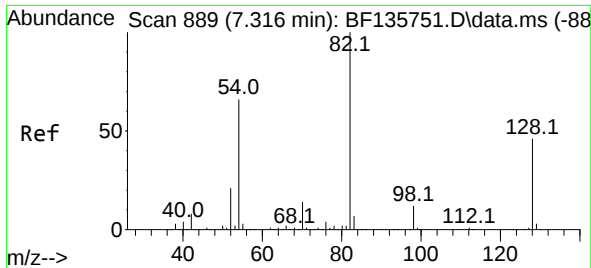


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37



Tgt Ion:136 Resp: 257604
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.5 8.5 12.7
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 70.387 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE

Tgt Ion: 82 Resp: 32967

Ion Ratio Lower Upper

82 100

128 42.7 37.0 55.6

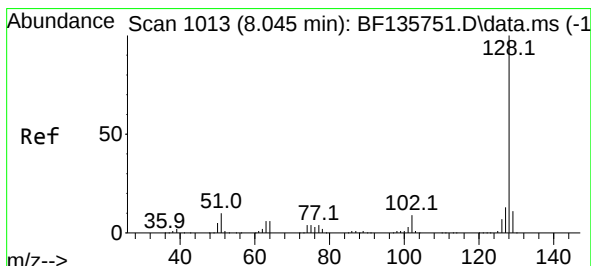
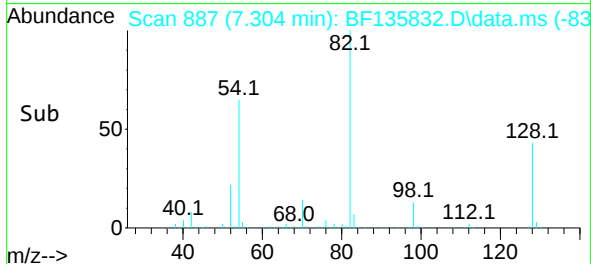
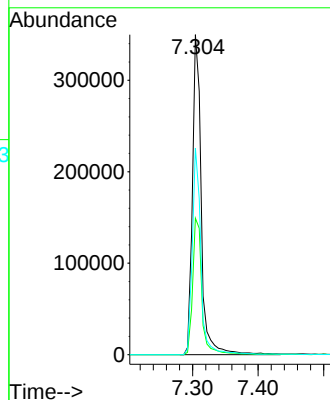
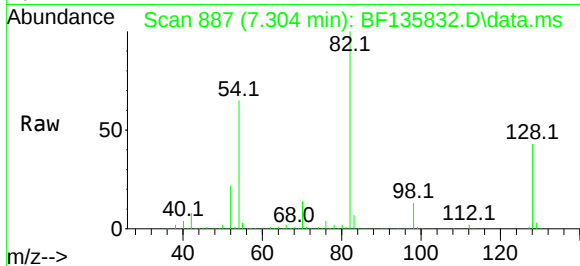
54 64.5 52.8 79.2

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#31

Naphthalene

Concen: 3.889 ng

RT: 8.039 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

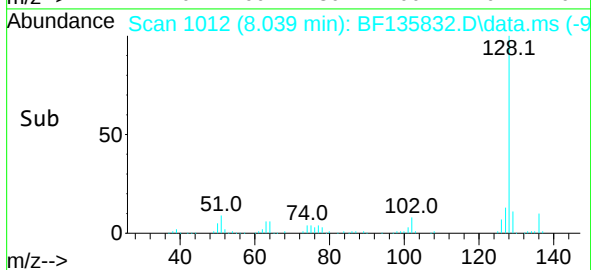
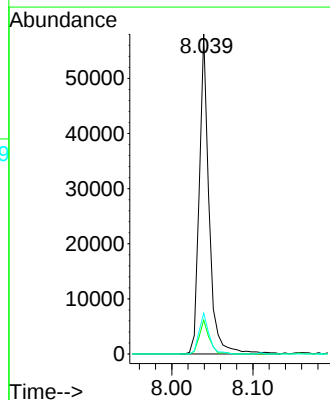
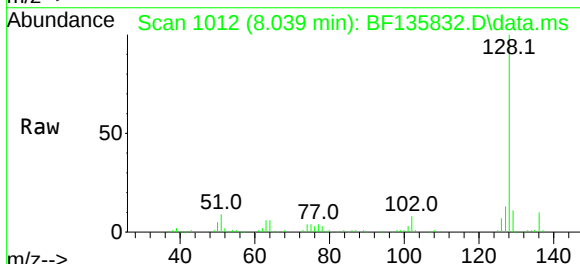
Tgt Ion:128 Resp: 48868

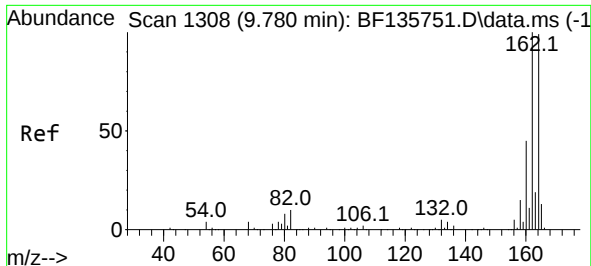
Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

127 12.8 10.2 15.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135832.D

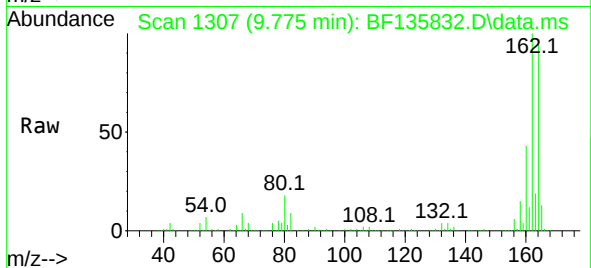
Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE



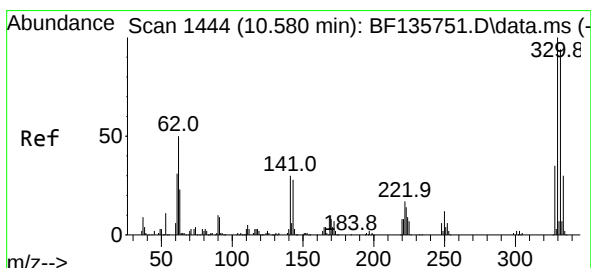
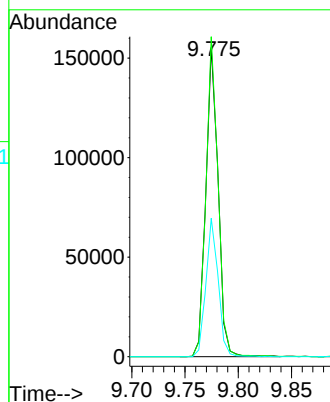
Tgt Ion:164	Resp: 12548
Ion Ratio	Lower Upper
164	100
162	103.5 80.8 121.2
160	44.7 36.6 54.8

Manual Integrations

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Supervised By :mohammad ahmed 10/18/2023



#42

2,4,6-Tribromophenol

Concen: 97.787 ng

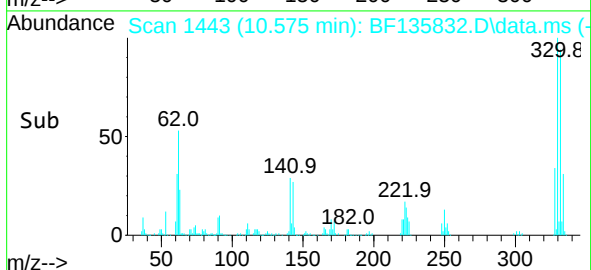
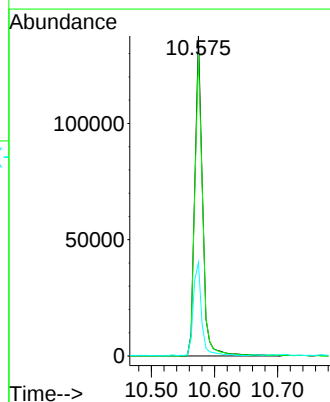
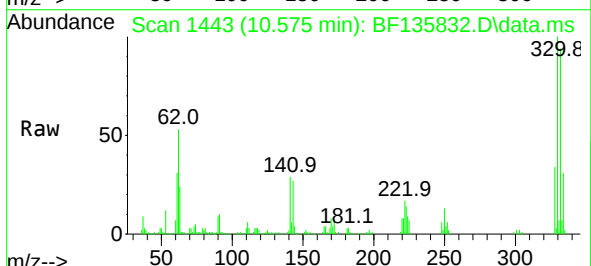
RT: 10.575 min Scan# 1443

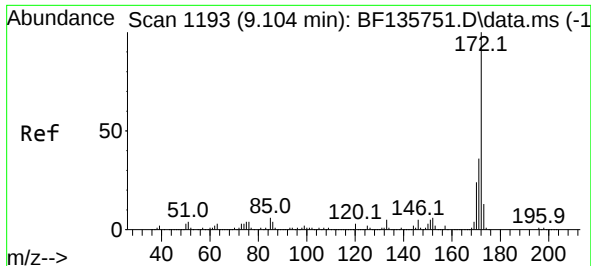
Delta R.T. -0.012 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Tgt Ion:330	Resp: 117751
Ion Ratio	Lower Upper
330	100
332	95.7 75.0 112.4
141	30.6 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 67.672 ng
RT: 9.092 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

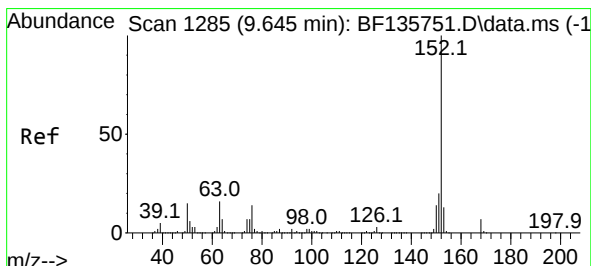
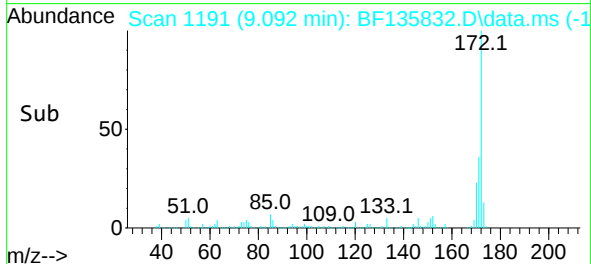
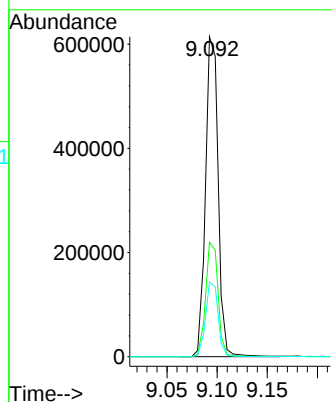
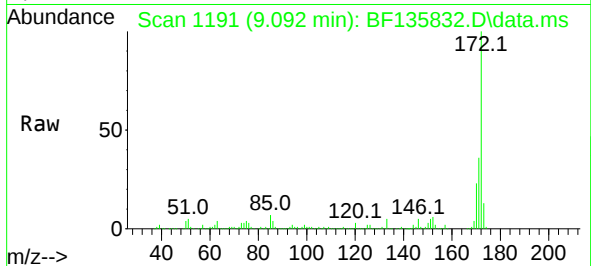
ClientSampleId :

V-1(0-2IN)RE

Tgt Ion:172 Resp: 54313
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.3 18.8 28.2

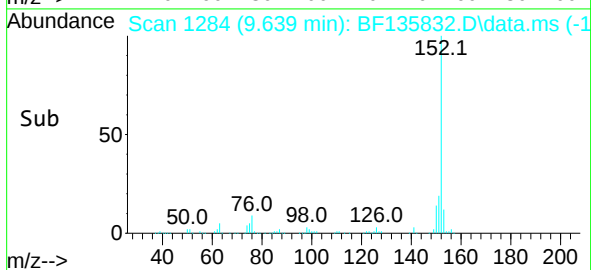
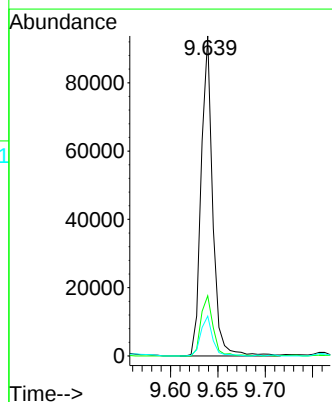
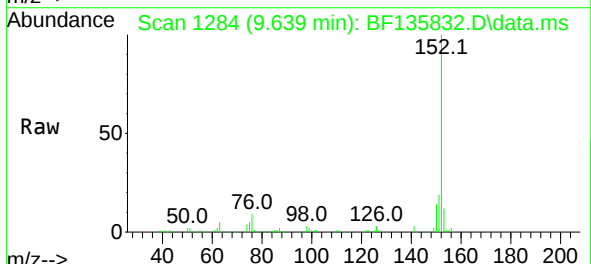
Manual Integrations
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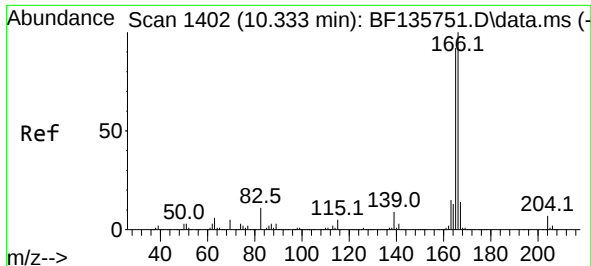
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#49
Acenaphthylene
Concen: 6.921 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

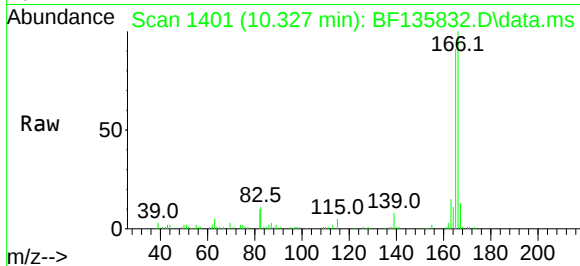
Tgt Ion:152 Resp: 79348
Ion Ratio Lower Upper
152 100
151 18.8 16.2 24.2
153 12.5 10.2 15.4





#58
Fluorene
Concen: 3.849 ng
RT: 10.327 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

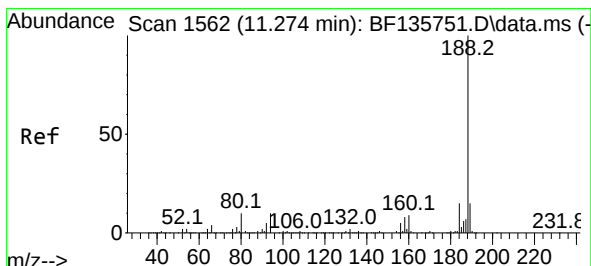
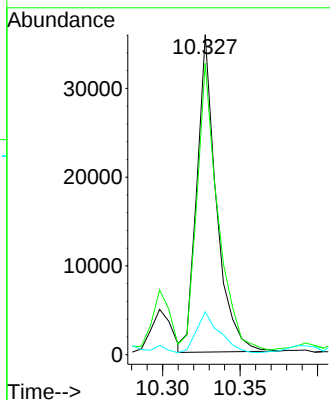
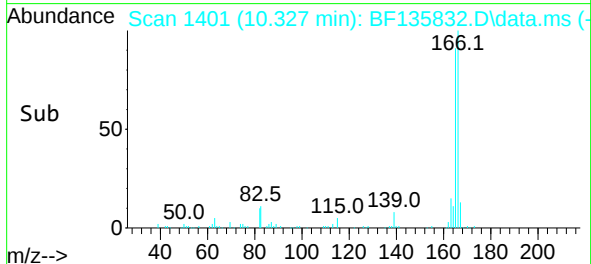
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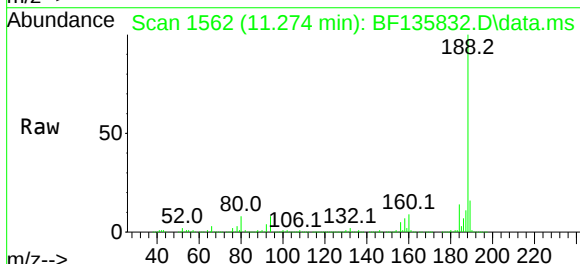
Tgt Ion:166 Resp: 3124
Ion Ratio Lower Upper
166 100
165 91.1 73.4 110.0
167 13.4 11.0 16.6

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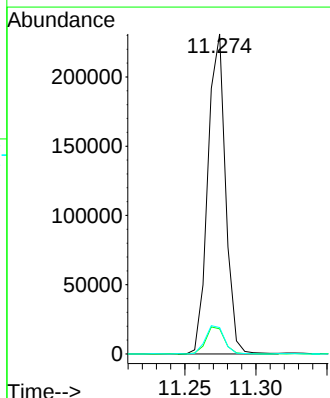
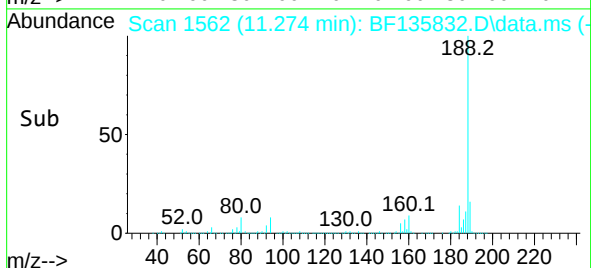
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

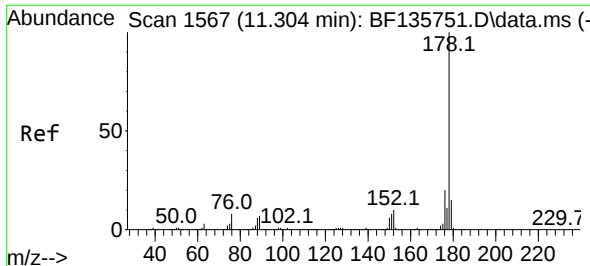


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37



Tgt Ion:188 Resp: 200092
Ion Ratio Lower Upper
188 100
94 7.8 8.0 12.0#
80 8.2 8.3 12.5#





#71
Phenanthrene
Concen: 32.110 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

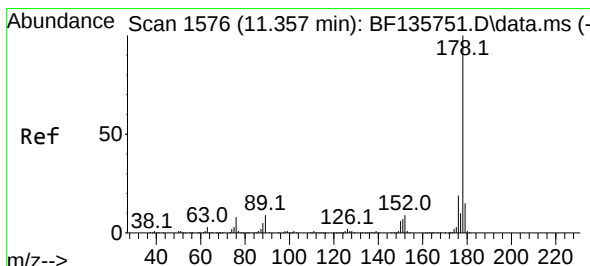
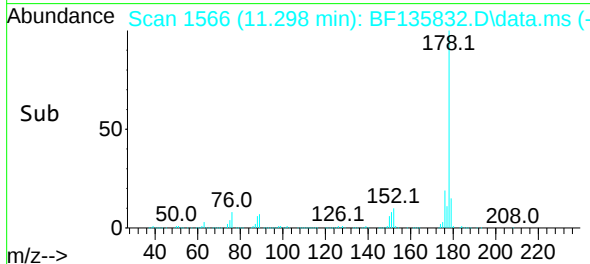
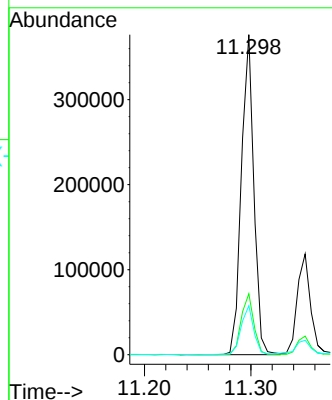
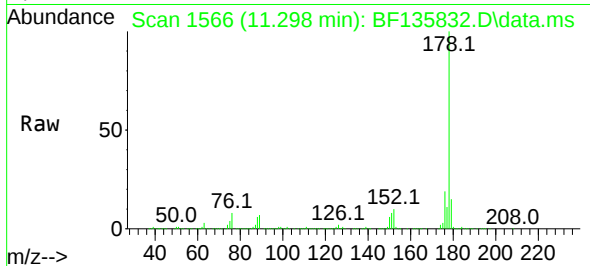
ClientSampleId :

V-1(0-2IN)RE

Tgt Ion:178 Resp: 307790
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.3 12.2 18.4

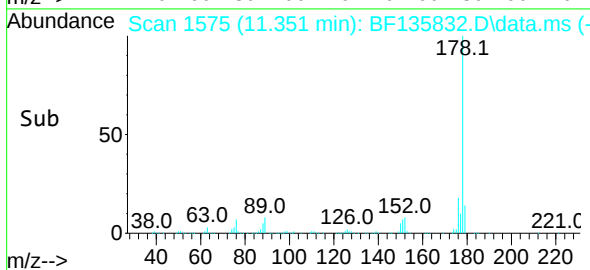
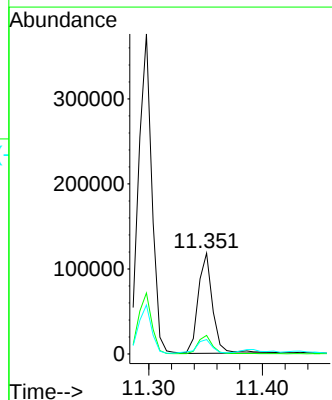
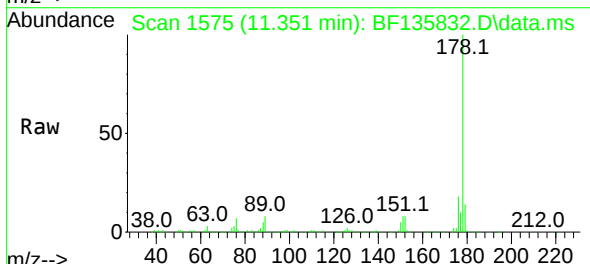
Manual Integrations
APPROVED

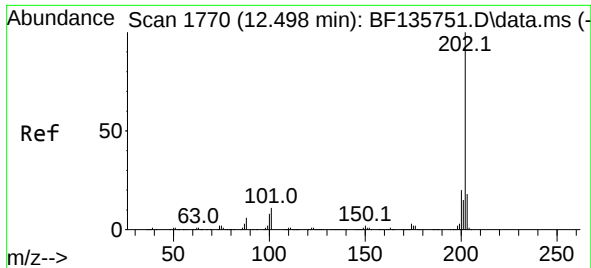
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#72
Anthracene
Concen: 10.494 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

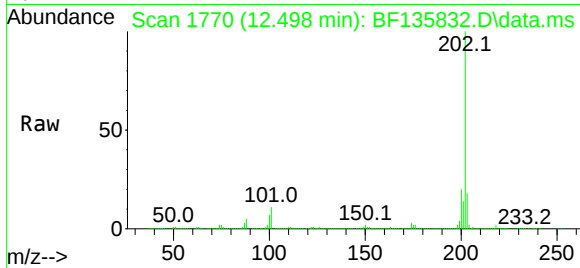
Tgt Ion:178 Resp: 104229
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 14.3 12.3 18.5





#75
Fluoranthene
Concen: 48.299 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

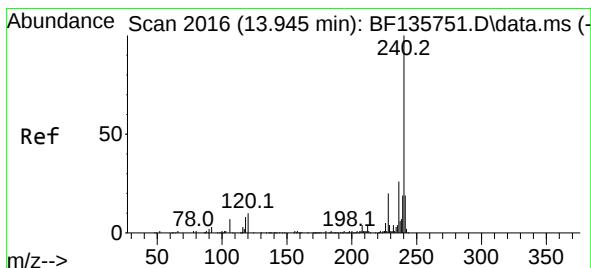
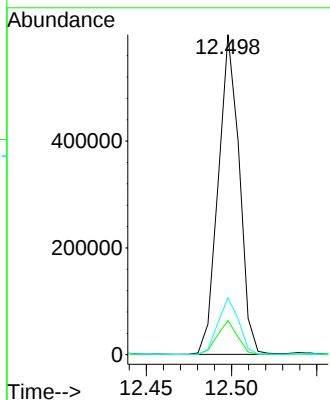
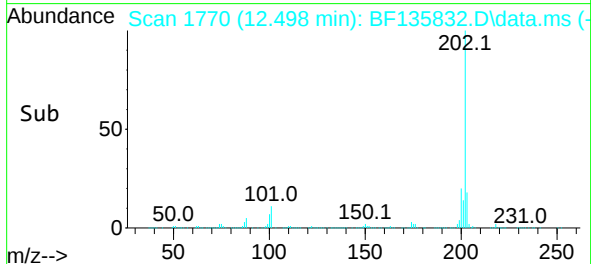
Instrument :
BNA_F
ClientSampleId :
V-1(0-2IN)RE



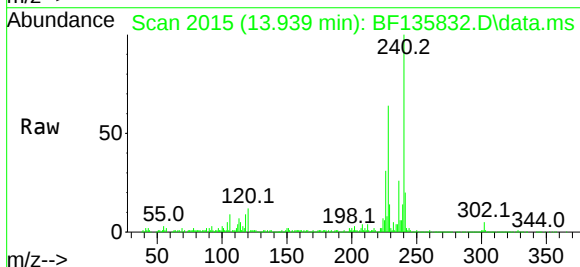
Tgt Ion:202 Resp: 51383
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 17.8 0.0 38.3

Manual Integrations
APPROVED

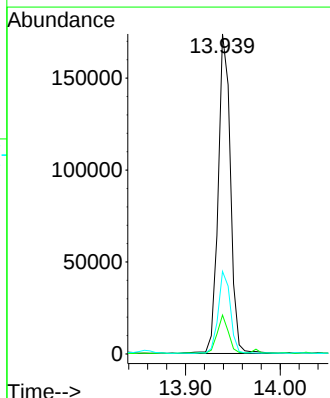
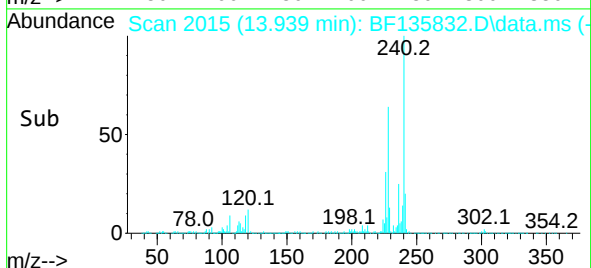
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

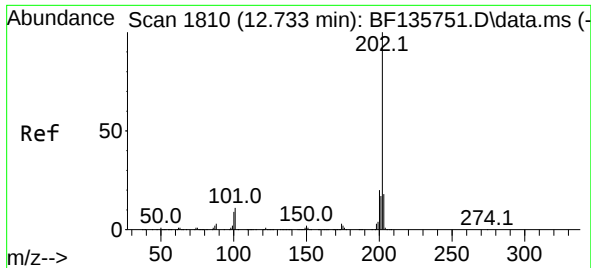


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37



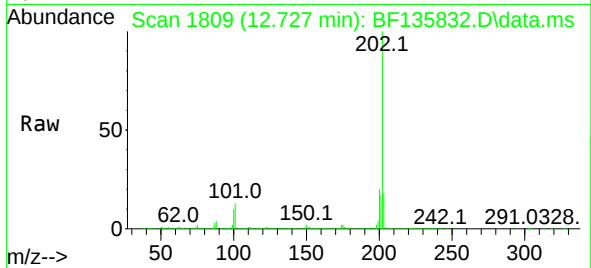
Tgt Ion:240 Resp: 156670
Ion Ratio Lower Upper
240 100
120 12.2 8.2 12.2
236 25.8 21.2 31.8





#78
 Pyrene
 Concen: 42.932 ng
 RT: 12.727 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

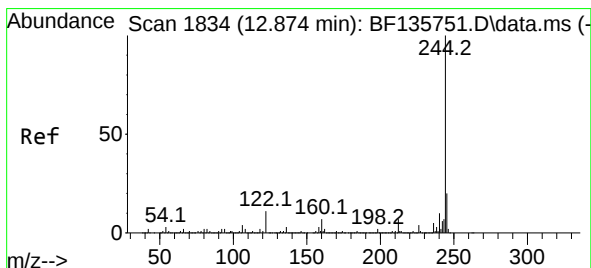
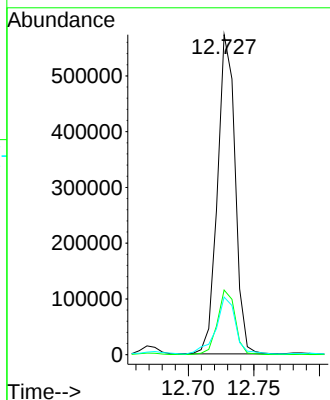
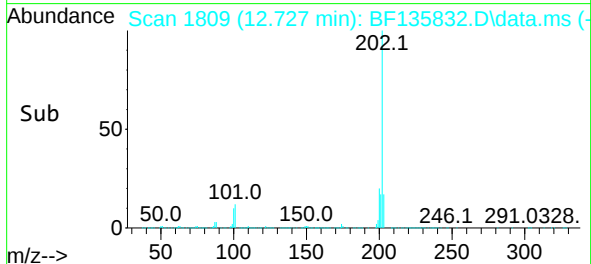
Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)RE



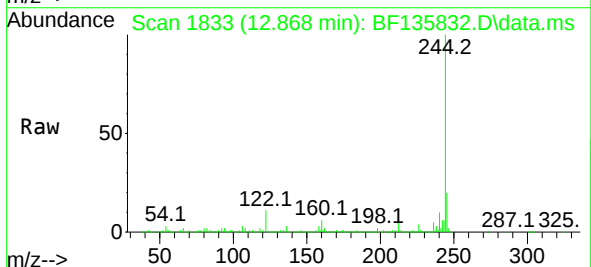
Tgt Ion:202 Resp: 534498
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.1 24.1
 203 18.0 14.2 21.2

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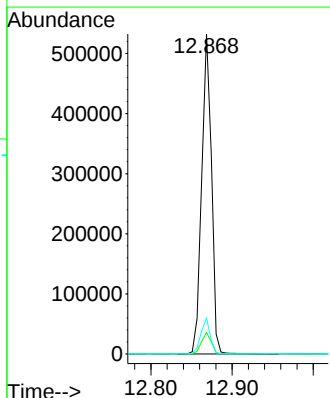
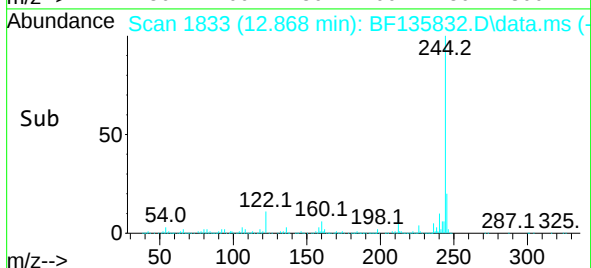
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

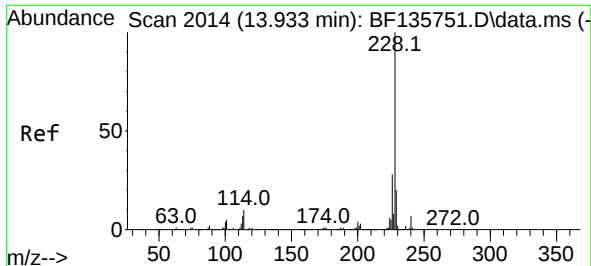


#79
 Terphenyl-d14
 Concen: 52.695 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37



Tgt Ion:244 Resp: 445791
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.2 9.0 13.6





#81
Benzo(a)anthracene
Concen: 26.232 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

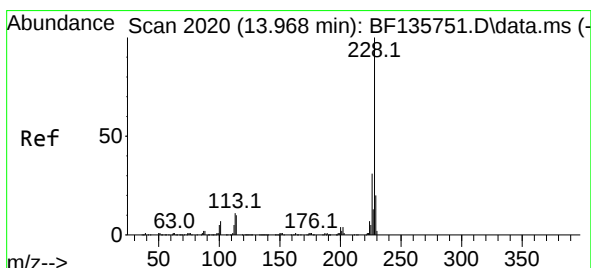
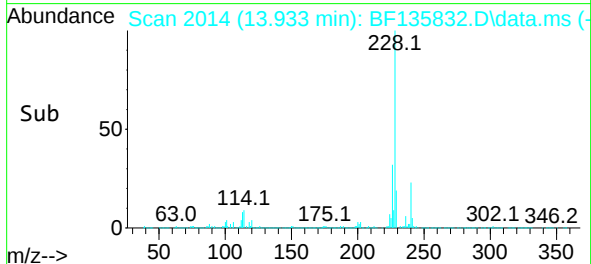
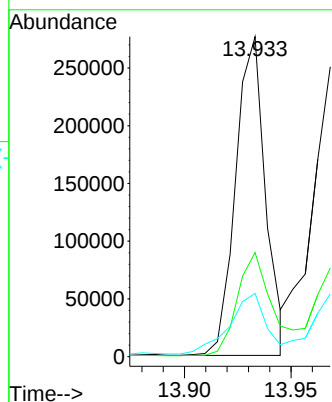
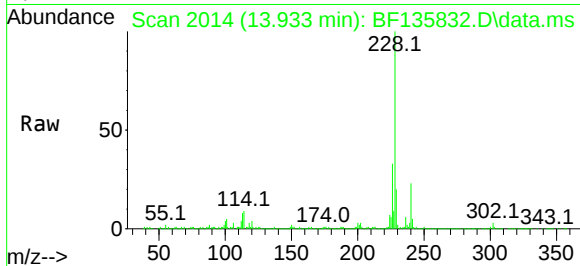
ClientSampleId :

V-1(0-2IN)RE

Tgt Ion:228 Resp: 26994
Ion Ratio Lower Upper
228 100
226 32.5 22.2 33.2
229 19.8 16.1 24.1

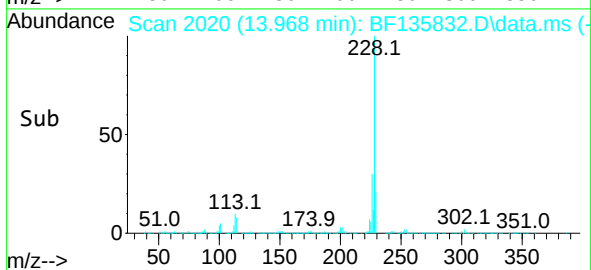
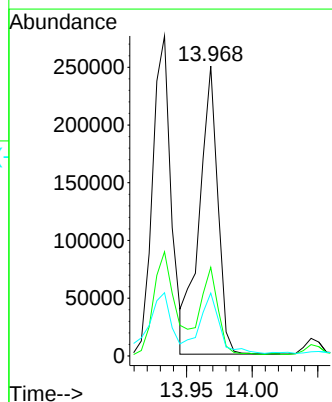
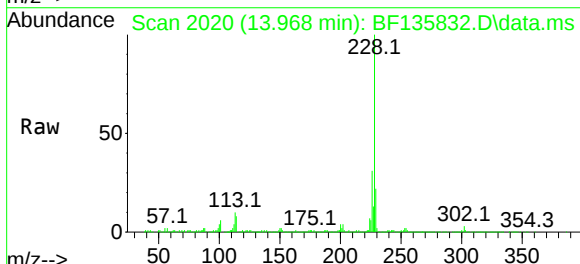
Manual Integrations
APPROVED

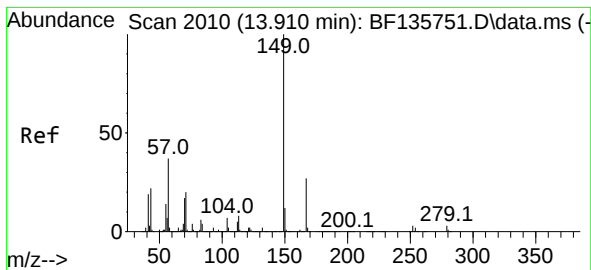
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#83
Chrysene
Concen: 24.639 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Tgt Ion:228 Resp: 245589
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.7 15.7 23.5





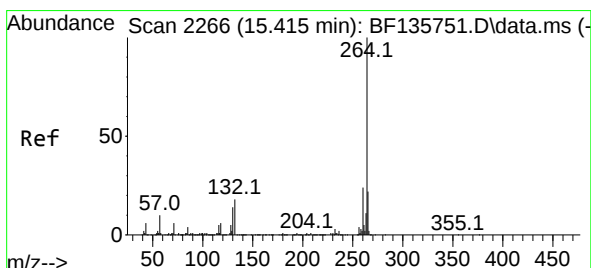
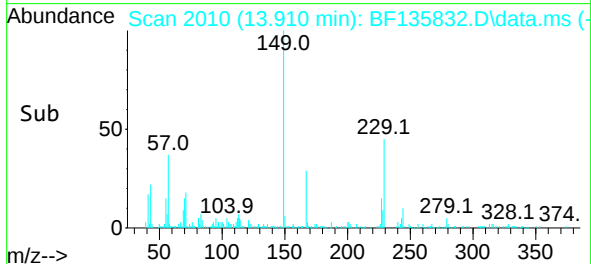
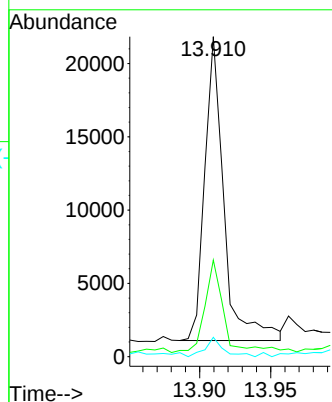
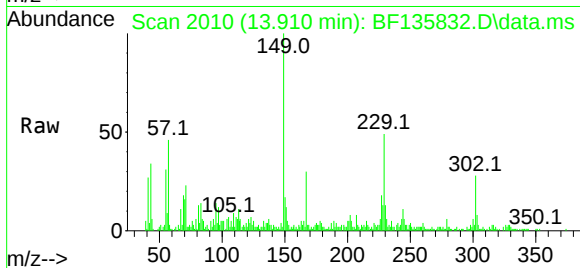
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.628 ng
 RT: 13.910 min Scan# 2010
 Delta R.T. -0.006 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

Instrument :
 BNA_F
 ClientSampleId :
 V-1(0-2IN)RE

Tgt Ion:149 Resp: 19489
 Ion Ratio Lower Upper
 149 100
 167 30.2 21.3 31.9
 279 6.0 2.7 4.1

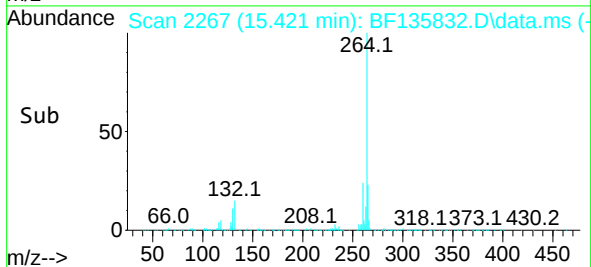
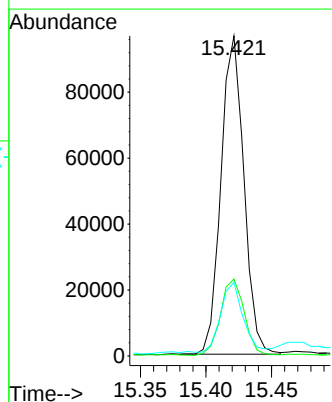
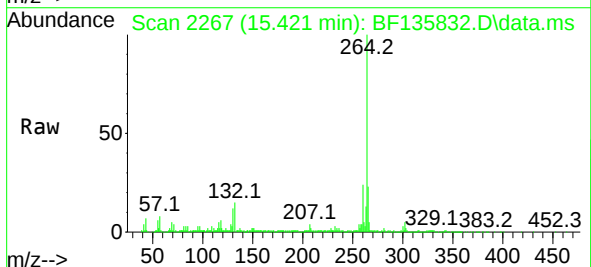
Manual Integrations
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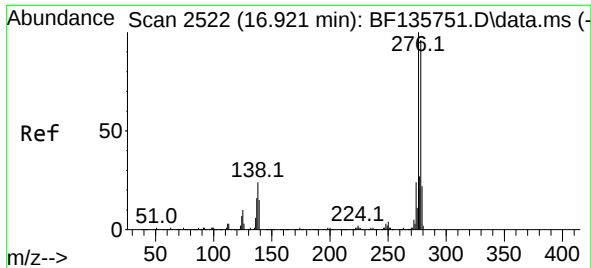
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. -0.000 min
 Lab File: BF135832.D
 Acq: 18 Oct 2023 01:37

Tgt Ion:264 Resp: 116942
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 23.1 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.865 ng
RT: 16.927 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

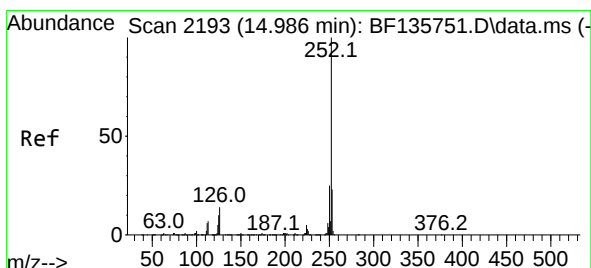
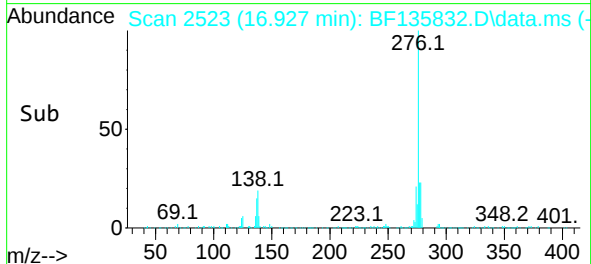
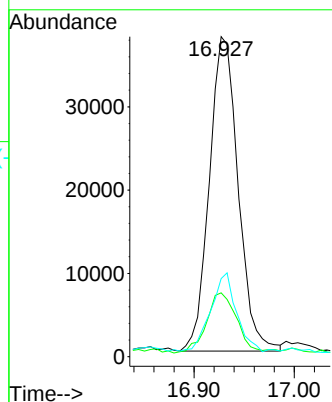
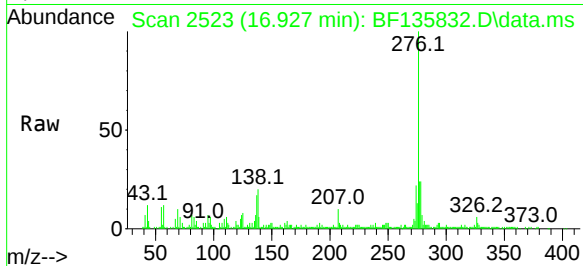
V-1(0-2IN)RE

Tgt Ion:276 Resp: 75604
Ion Ratio Lower Upper
276 100
138 20.1 19.8 29.6
277 22.2 20.2 30.4

Manual Integrations

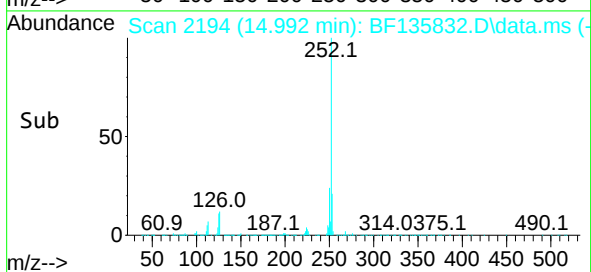
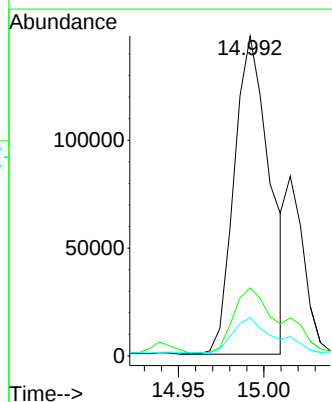
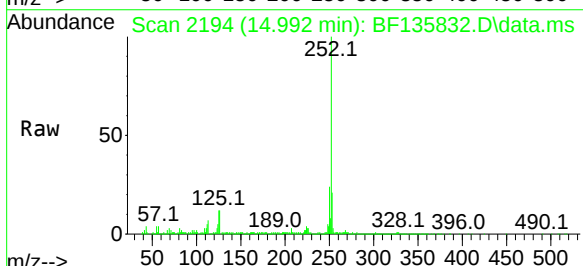
APPROVED

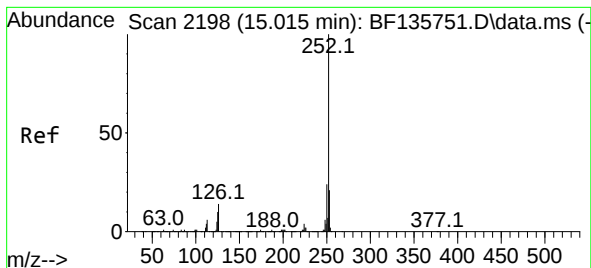
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#88
Benzo(b)fluoranthene
Concen: 32.576 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135832.D
Acq: 18 Oct 2023 01:37

Tgt Ion:252 Resp: 213207
Ion Ratio Lower Upper
252 100
253 21.2 18.2 27.2
125 11.9 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 9.507 ng m

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNF

ClientSampleId :

V-1(0-2IN)RE

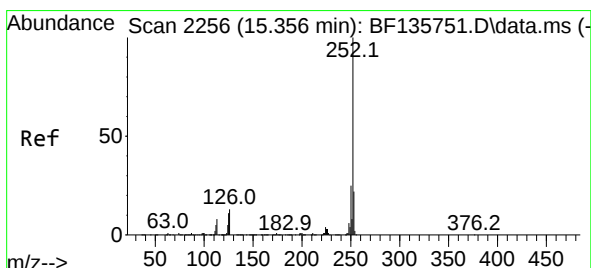
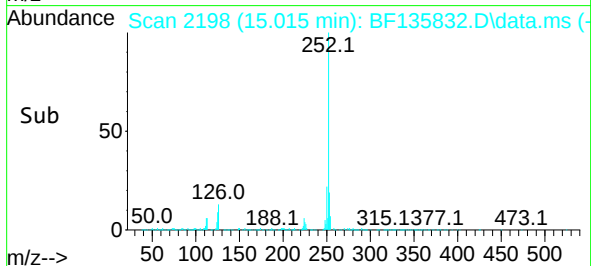
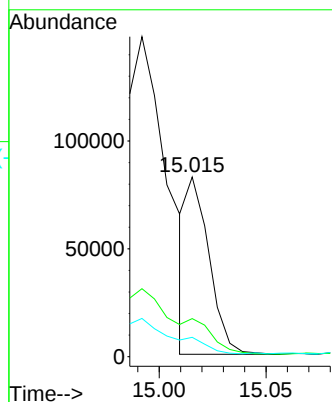
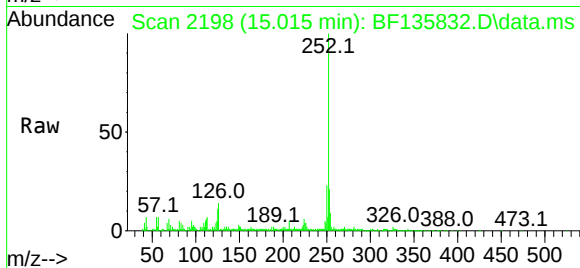
Tgt Ion:252	Resp:	60409
Ion Ratio	Lower	Upper
252	100	
253	21.2	17.4 26.0
125	10.8	8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#90

Benzo(a)pyrene

Concen: 23.649 ng

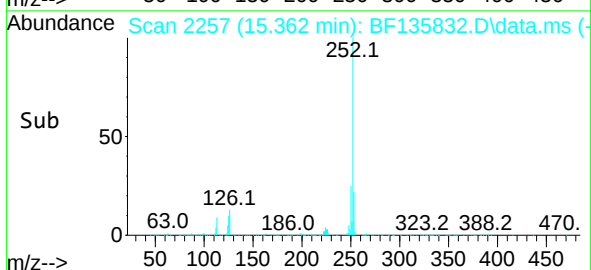
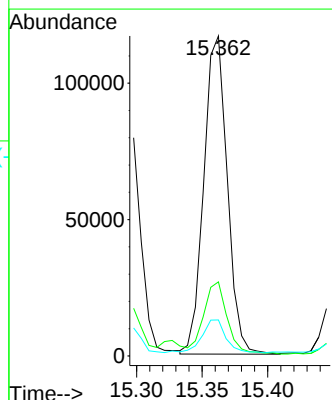
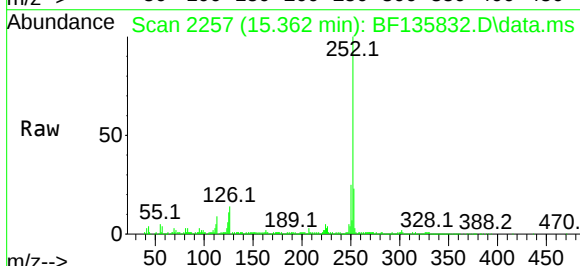
RT: 15.362 min Scan# 2257

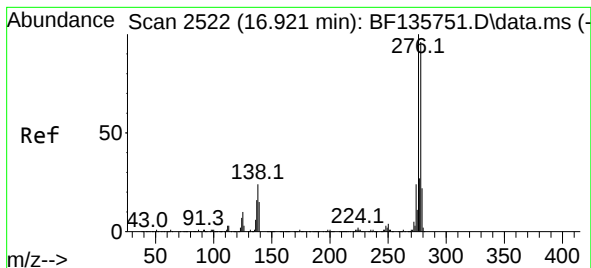
Delta R.T. -0.000 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Tgt Ion:252	Resp:	145545
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.4 26.2
125	11.3	8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.010 ng m

RT: 16.927 min Scan# 2094

Delta R.T. -0.012 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Instrument :

BNA_F

ClientSampleId :

V-1(0-2IN)RE

Tgt Ion:278 Resp: 2094

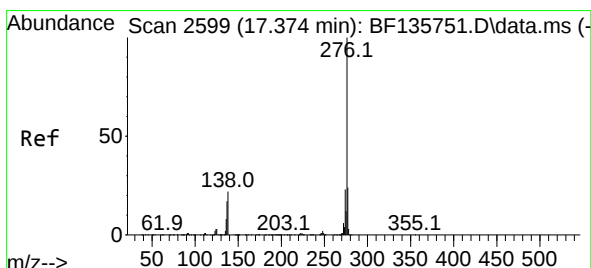
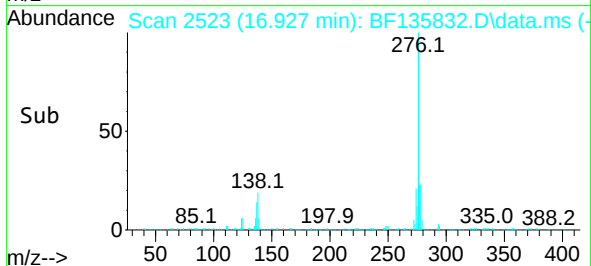
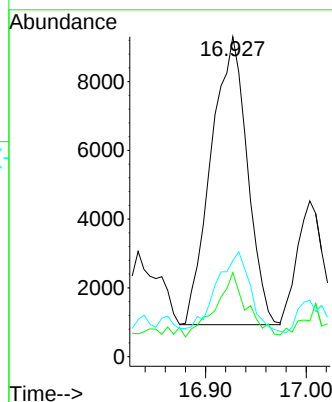
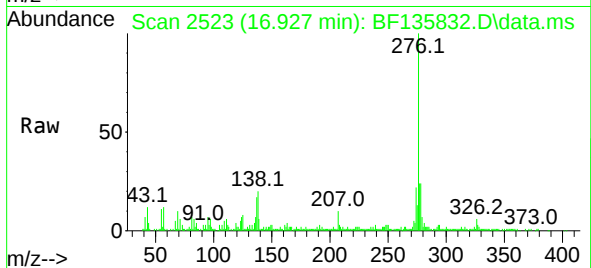
Ion	Ratio	Lower	Upper
278	100		
139	26.3	12.5	18.7
279	30.0	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#92

Benzo(g,h,i)perylene

Concen: 13.447 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.000 min

Lab File: BF135832.D

Acq: 18 Oct 2023 01:37

Tgt Ion:276 Resp: 72154

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	20.7	17.3	25.9

