

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135271.D
 Acq On : 15 Sep 2023 00:21
 Operator : CG\JU
 Sample : 04299-08DL2 500X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMPDL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 01:40:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	91753	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	327503	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	139477	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	231231	20.000	ng	0.00
76) Chrysene-d12	13.951	240	195061	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	170541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	550	0.097	ng	0.02
7) Phenol-d6	6.416	99	908	0.127	ng	0.01
23) Nitrobenzene-d5	7.328	82	718	0.119	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	222	0.160	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	2351	0.254	ng	-0.01
79) Terphenyl-d14	12.886	244	2628	0.209	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.063	128	407409	25.603	ng	99
37) 2-Methylnaphthalene	8.757	142	165794	15.500	ng	100
38) 1-Methylnaphthalene	8.851	142	124021	12.384	ng	99
49) Acenaphthylene	9.657	152	33506	2.592	ng	# 93
52) Acenaphthene	9.828	154	34113	4.468	ng	99
58) Fluorene	10.345	166	56596	6.319	ng	99
71) Phenanthrene	11.316	178	224669	20.544	ng	99
72) Anthracene	11.369	178	38282	3.405	ng	100
75) Fluoranthene	12.510	202	105693	9.275	ng	97
78) Pyrene	12.739	202	193578	10.424	ng	99
81) Benzo(a)anthracene	13.939	228	63157	5.014	ng	# 86
83) Chrysene	13.974	228	65117m	5.200	ng	
88) Benzo(b)fluoranthene	14.992	252	33552m	3.634	ng	
90) Benzo(a)pyrene	15.357	252	36845	4.185	ng	94

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

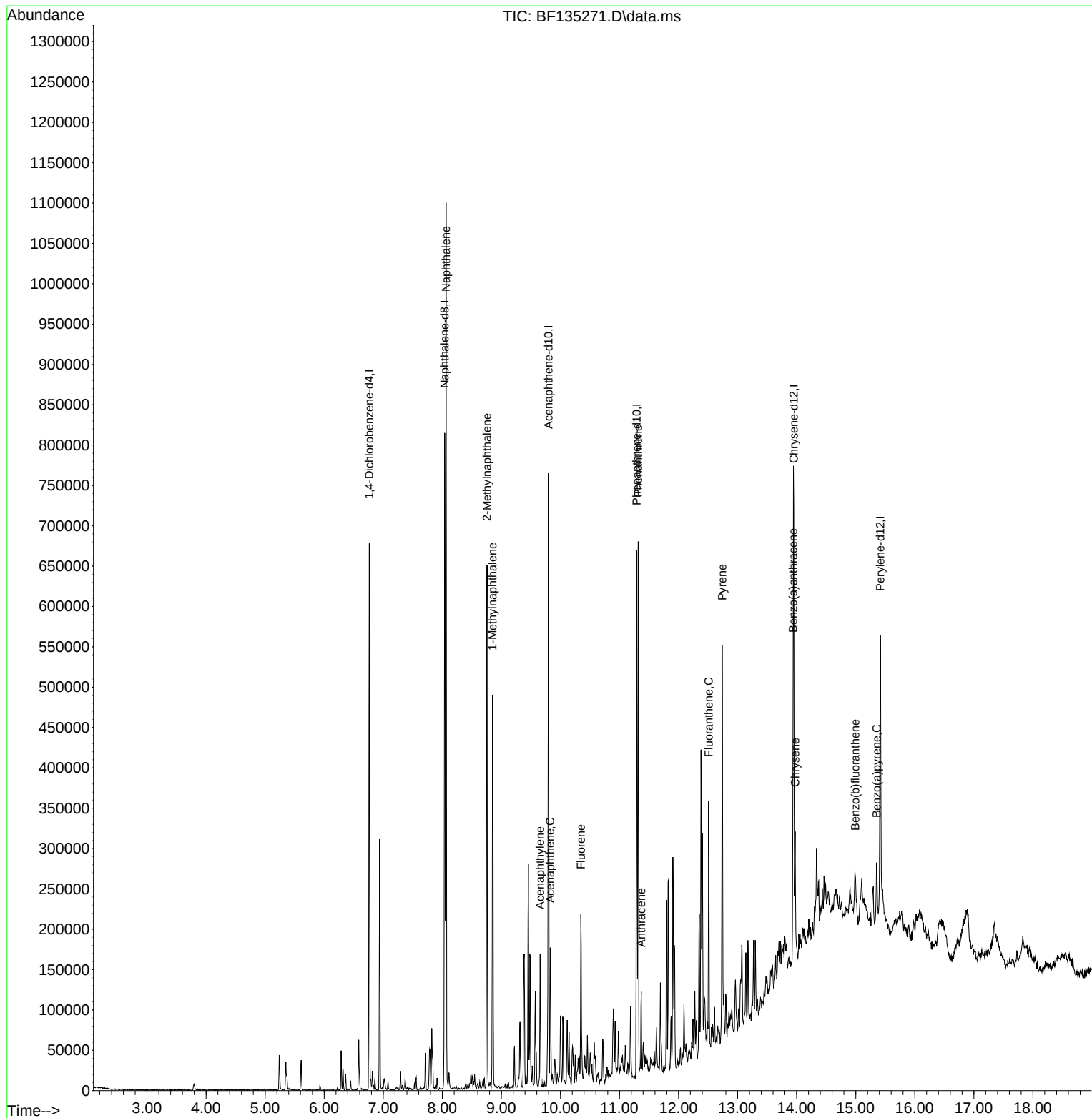
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
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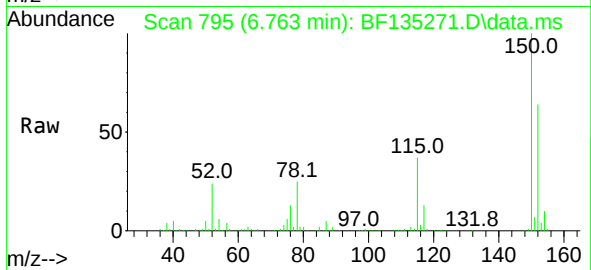
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

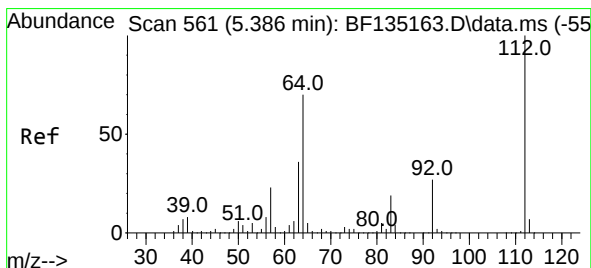
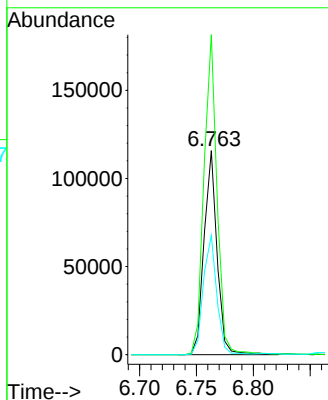
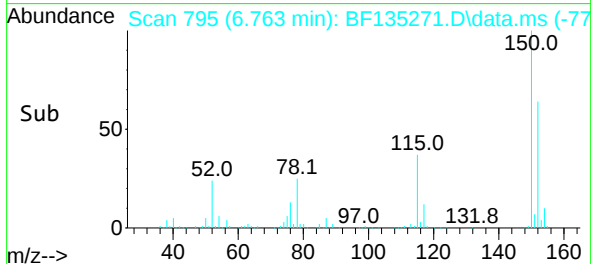
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL2



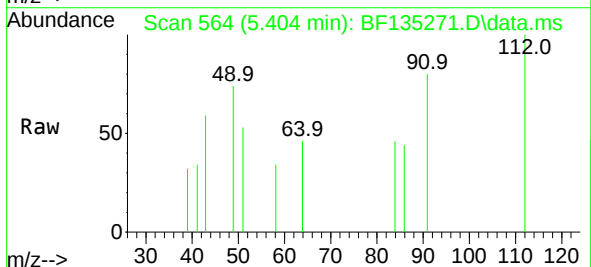
Tgt Ion:152 Resp: 9175
Ion Ratio Lower Upper
152 100
150 156.9 127.8 191.6
115 58.5 49.8 74.8

Manual Integrations
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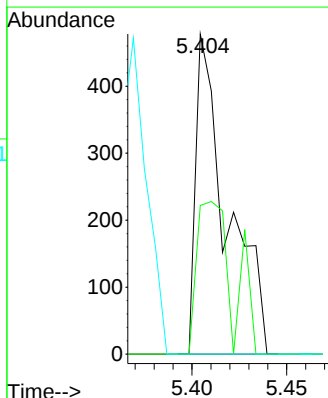
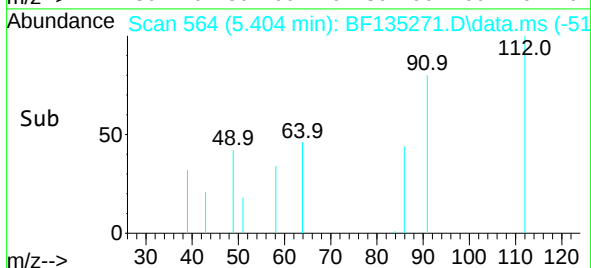
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

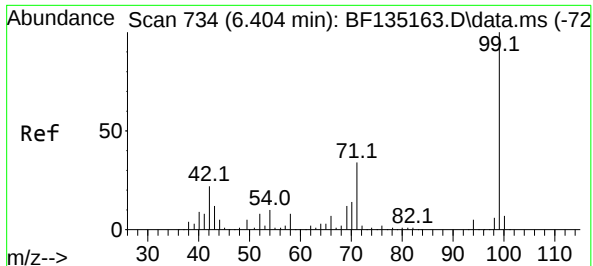


#5
2-Fluorophenol
Concen: 0.097 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21



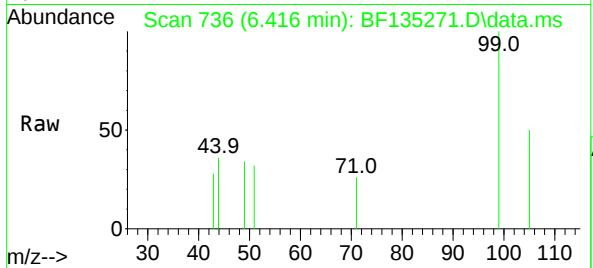
Tgt Ion:112 Resp: 550
Ion Ratio Lower Upper
112 100
64 46.4 55.9 83.9#
63 0.0 29.0 43.6#





#7
Phenol-d6
Concen: 0.127 ng
RT: 6.416 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

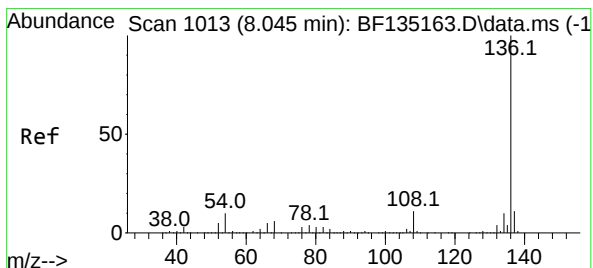
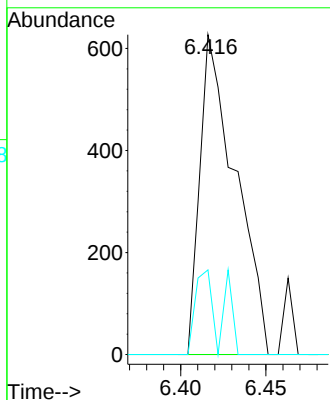
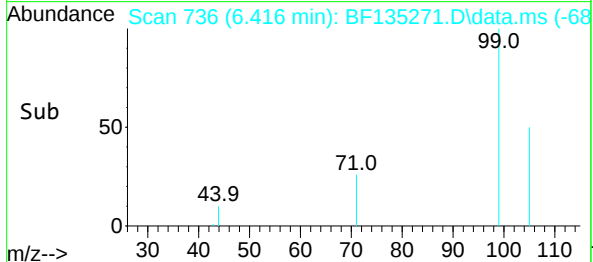
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BNA_F
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SB-04-COMPDL2



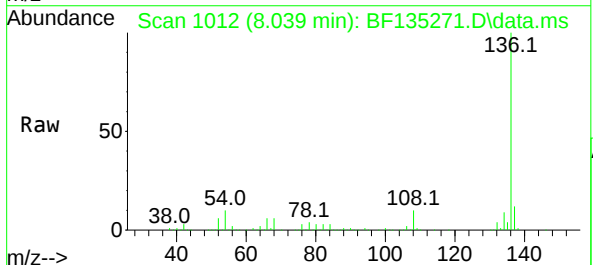
Tgt Ion: 99 Resp: 908
Ion Ratio Lower Upper
99 100
42 0.0 17.9 26.9
71 26.5 27.0 40.6

Manual Integrations
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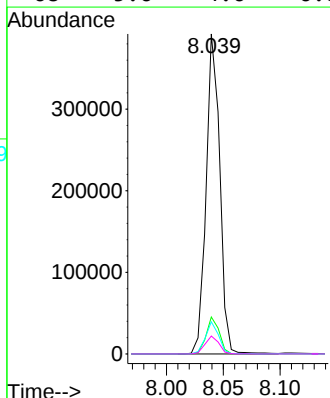
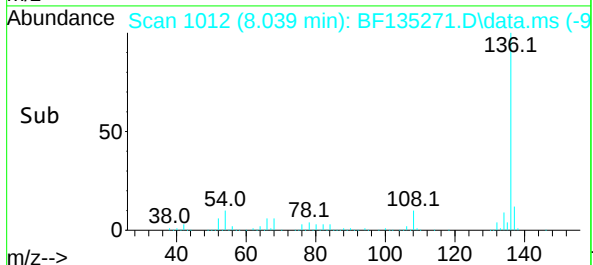
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21



Tgt Ion:136 Resp: 327503
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 10.1 7.7 11.5
68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 0.119 ng

RT: 7.328 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF135271.D

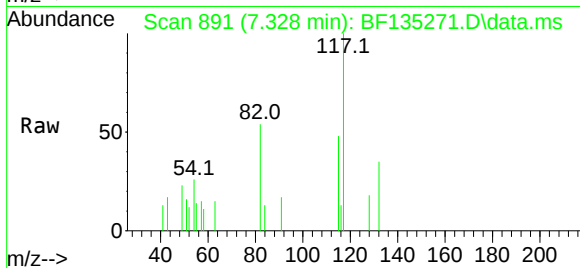
Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2



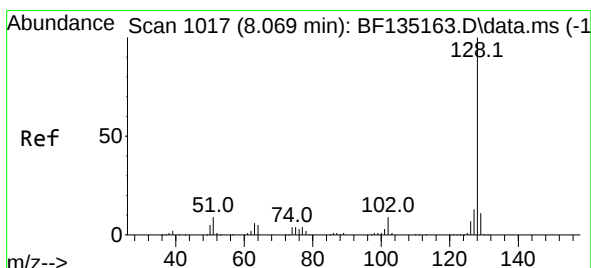
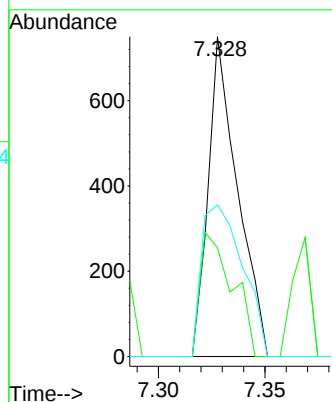
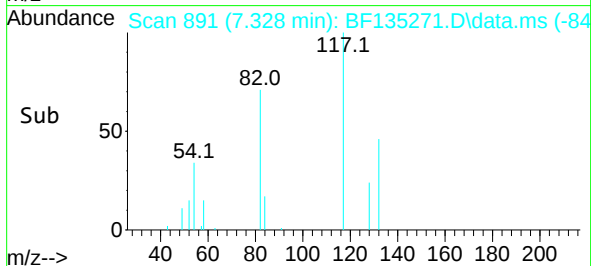
Tgt Ion: 82	Resp: 718
Ion Ratio	Lower Upper
82	100
128	34.0 35.8 53.6
54	47.5 50.6 76.0

Manual Integrations

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#31

Naphthalene

Concen: 25.603 ng

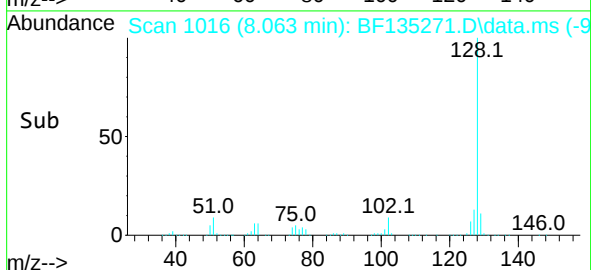
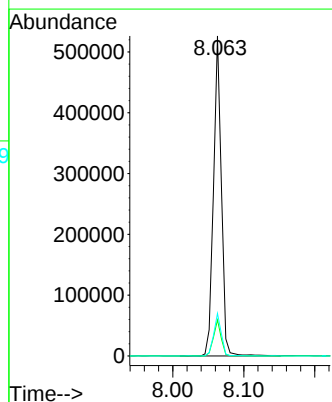
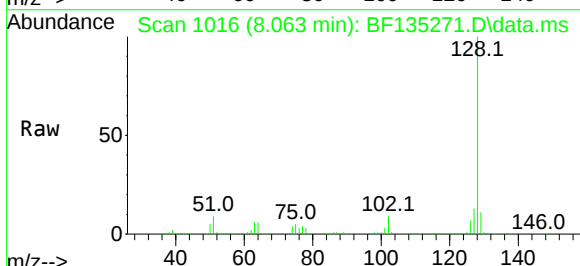
RT: 8.063 min Scan# 1016

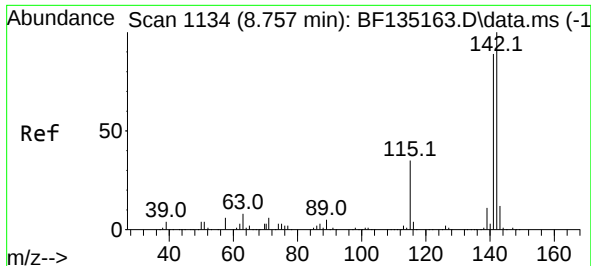
Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Tgt Ion:128	Resp: 407409
Ion Ratio	Lower Upper
128	100
129	11.2 8.7 13.1
127	13.3 10.7 16.1





#37

2-Methylnaphthalene

Concen: 15.500 ng

RT: 8.757 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

Tgt Ion:142 Resp: 165794

Ion Ratio Lower Upper

142 100

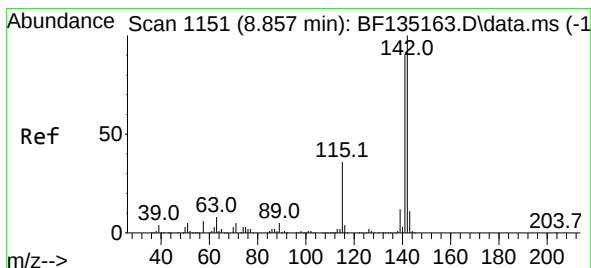
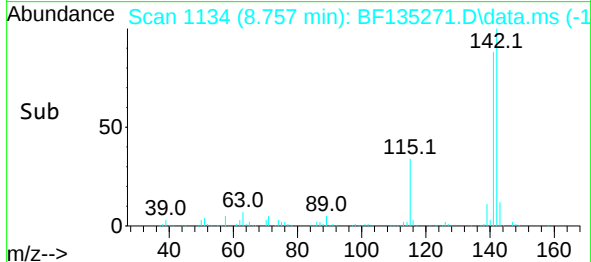
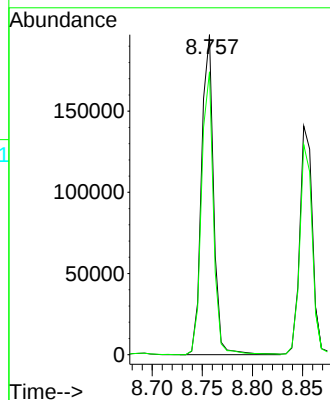
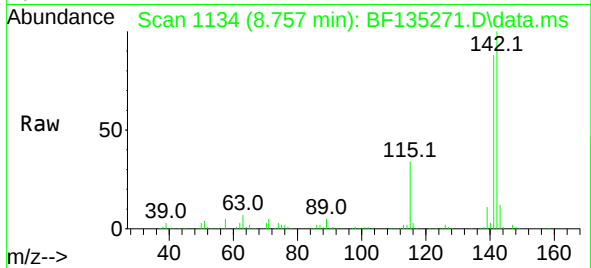
141 88.4 71.0 106.6

Manual Integrations

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Supervised By :mohammad ahmed 09/15/2023



#38

1-Methylnaphthalene

Concen: 12.384 ng

RT: 8.851 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF135271.D

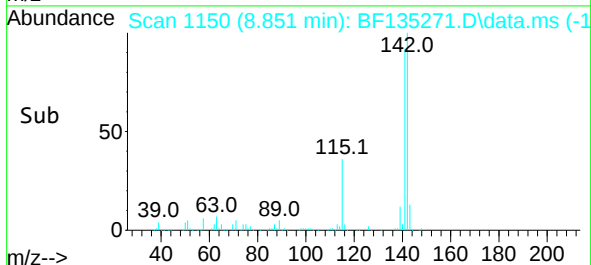
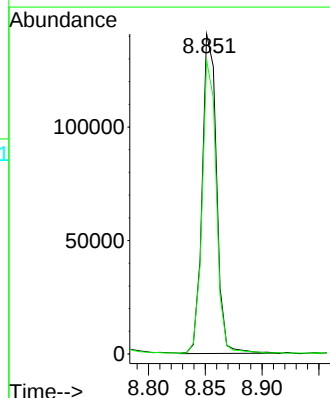
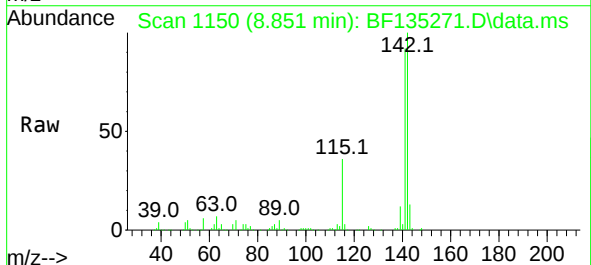
Acq: 15 Sep 2023 00:21

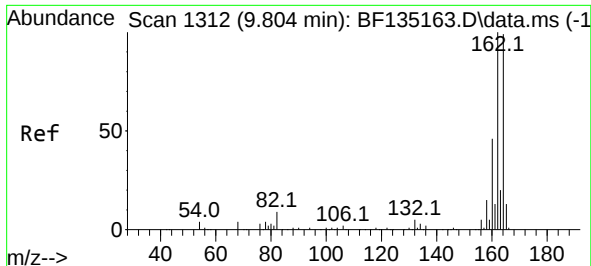
Tgt Ion:142 Resp: 124021

Ion Ratio Lower Upper

142 100

141 91.8 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

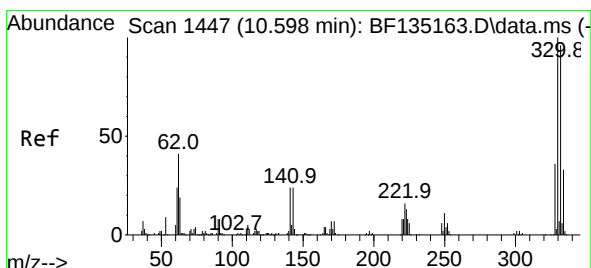
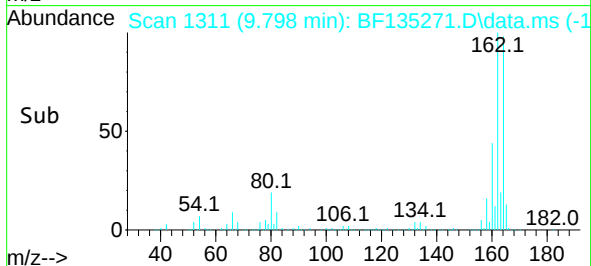
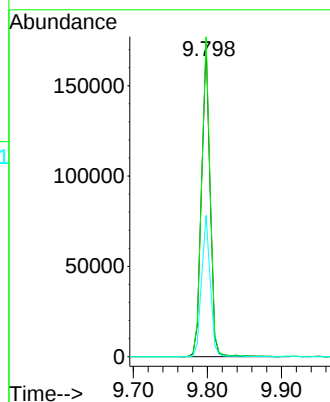
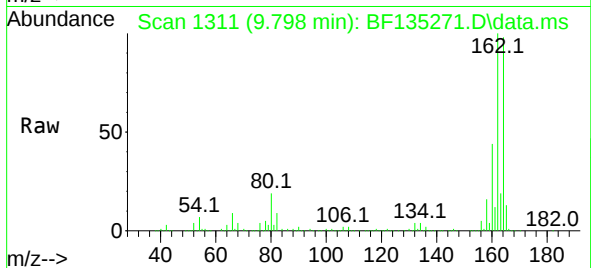
Tgt Ion:	164	Resp:	13947
Ion Ratio	Lower	Upper	
164	100		
162	101.9	81.0	121.4
160	45.0	37.0	55.4

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 0.160 ng

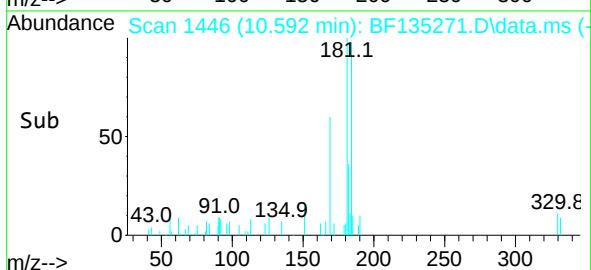
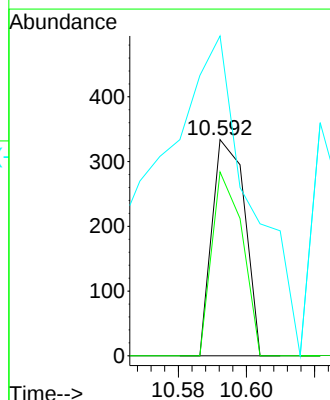
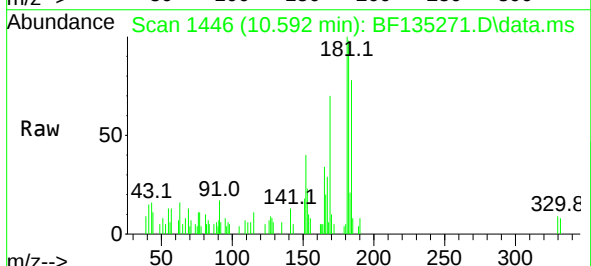
RT: 10.592 min Scan# 1446

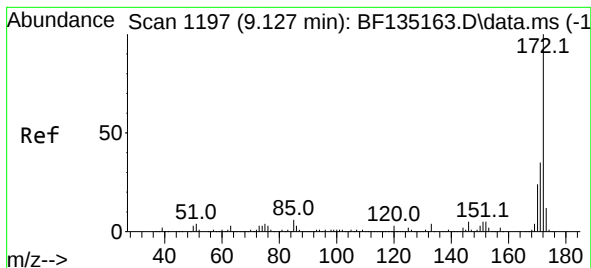
Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Tgt Ion:	330	Resp:	222
Ion Ratio	Lower	Upper	
330	100		
332	78.8	77.3	115.9
141	396.8	25.8	38.8#





#45

2-Fluorobiphenyl

Concen: 0.254 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135271.D

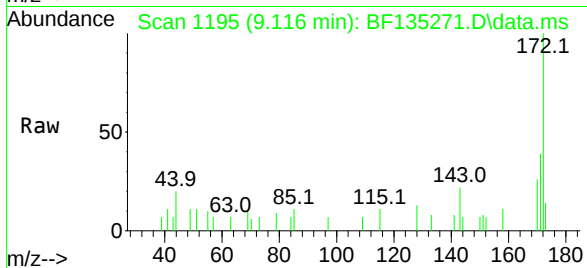
Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2



Tgt Ion:172 Resp: 235

Ion Ratio Lower Upper

172 100

171 39.5 28.4 42.6

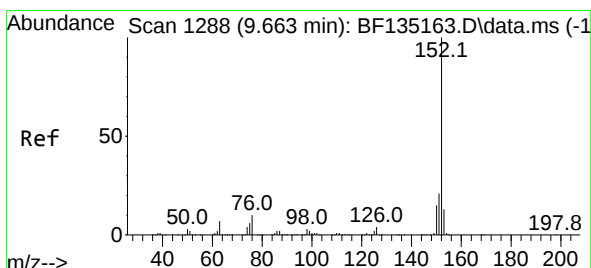
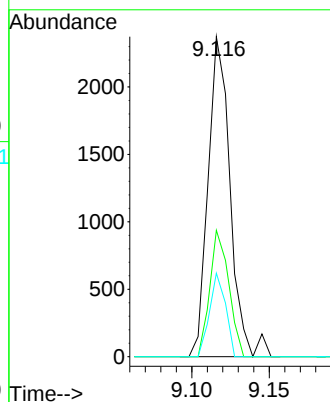
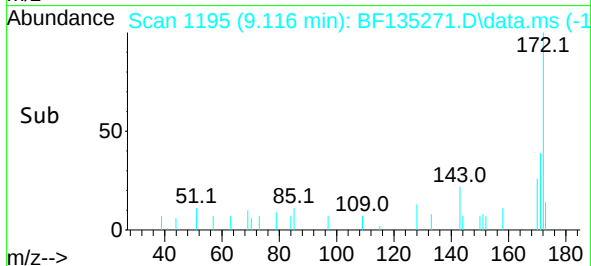
170 26.1 19.0 28.4

Manual Integrations

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Supervised By :mohammad ahmed 09/15/2023



#49

Acenaphthylene

Concen: 2.592 ng

RT: 9.657 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

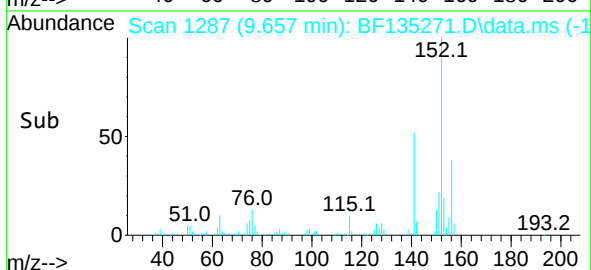
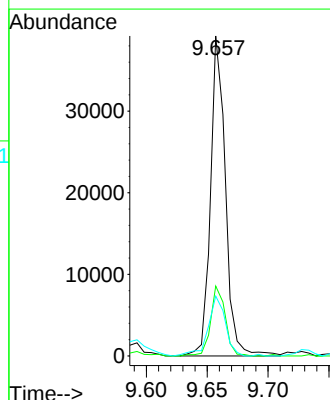
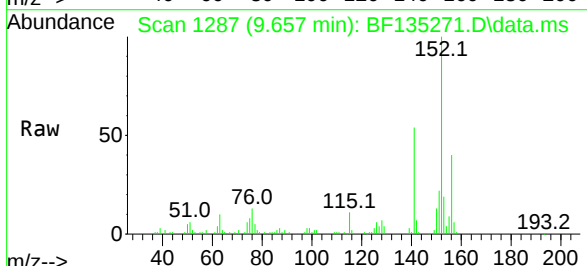
Tgt Ion:152 Resp: 33506

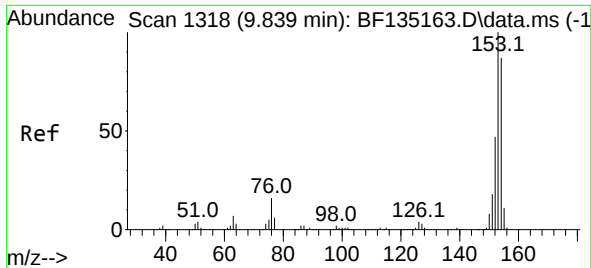
Ion Ratio Lower Upper

152 100

151 21.8 16.4 24.6

153 18.7 10.4 15.6#





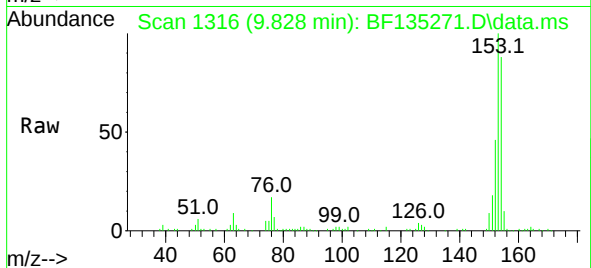
#52
Acenaphthene
Concen: 4.468 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2



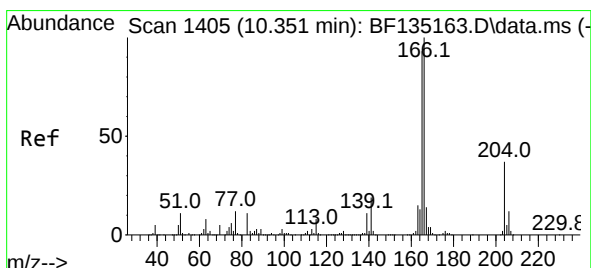
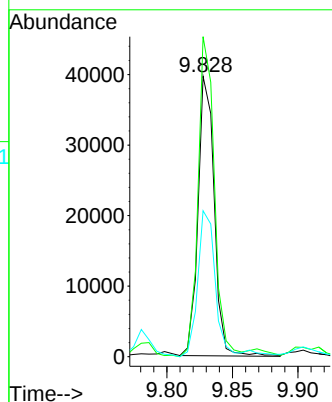
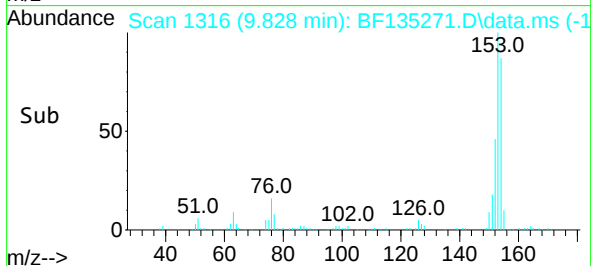
Tgt Ion:154 Resp: 3411
Ion Ratio Lower Upper
154 100
153 114.2 92.1 138.1
152 52.1 43.1 64.7

Manual Integrations

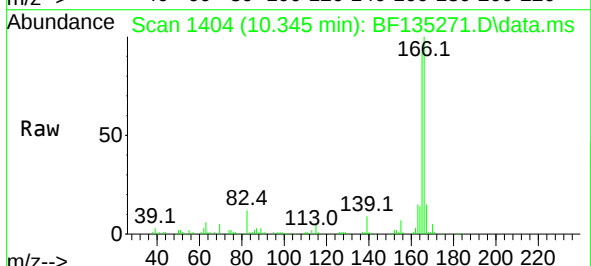
APPROVED

Reviewed By :Yogesh Patel 09/15/2023

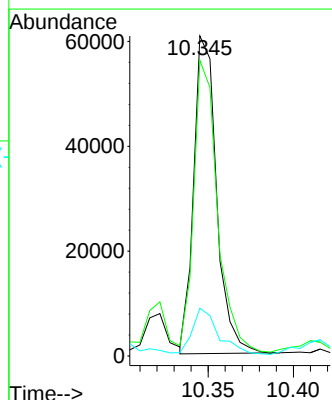
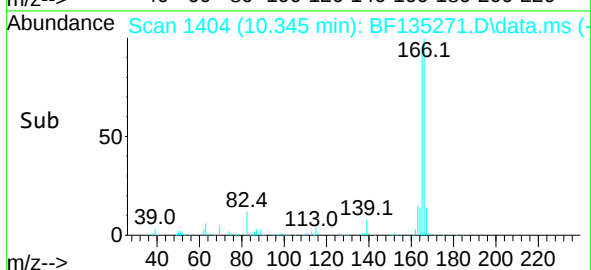
Supervised By :mohammad ahmed 09/15/2023

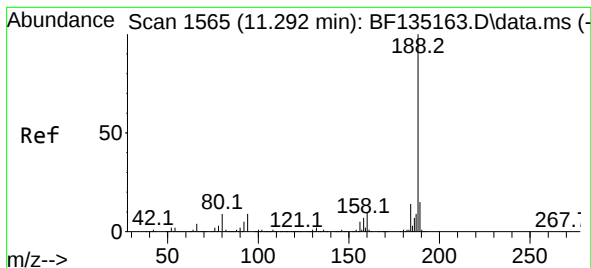


#58
Fluorene
Concen: 6.319 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21



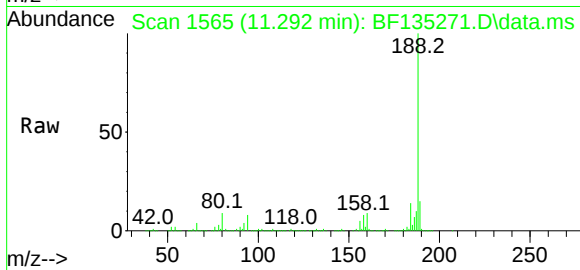
Tgt Ion:166 Resp: 56596
Ion Ratio Lower Upper
166 100
165 92.4 74.3 111.5
167 14.9 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

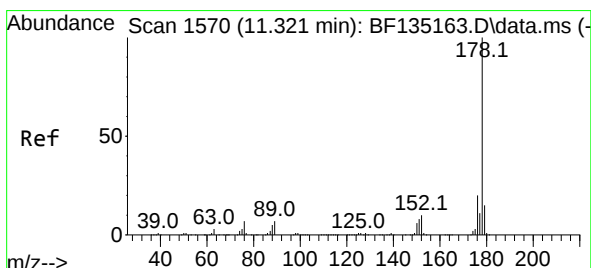
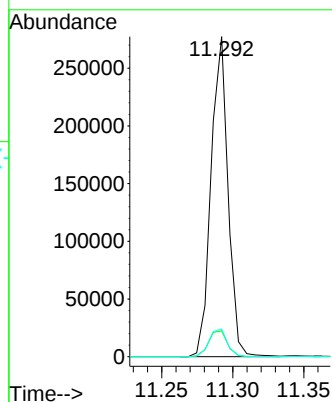
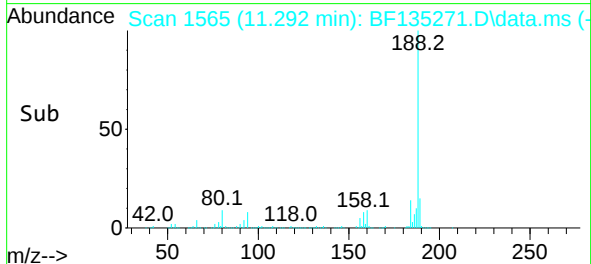
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL2



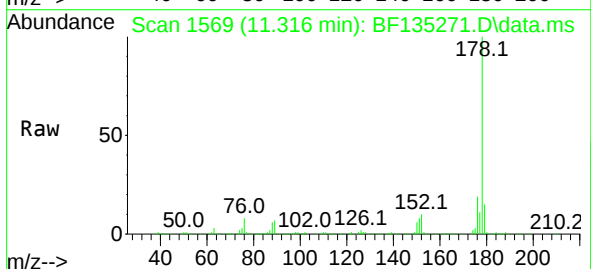
Tgt Ion:188 Resp: 23123
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.6
80 8.7 7.5 11.3

Manual Integrations
APPROVED

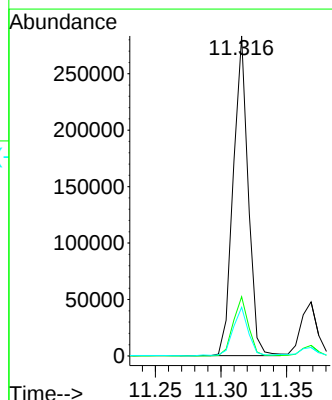
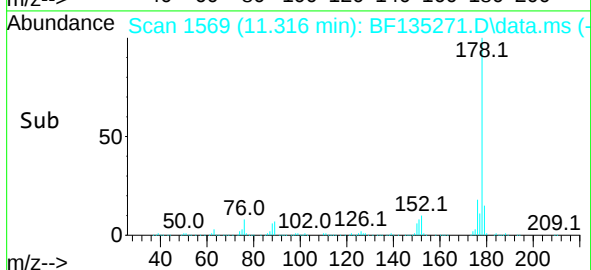
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

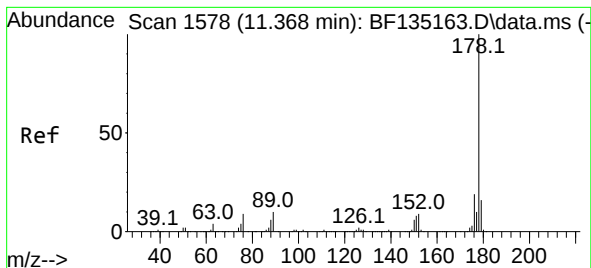


#71
Phenanthrene
Concen: 20.544 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21



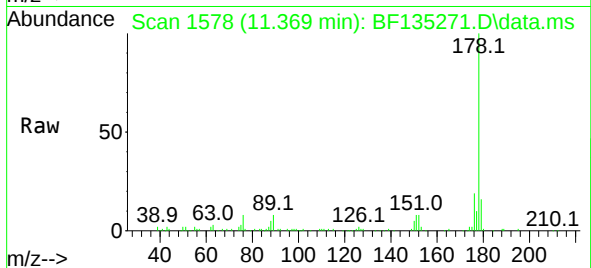
Tgt Ion:178 Resp: 224669
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.2 12.0 18.0





#72
 Anthracene
 Concen: 3.405 ng
 RT: 11.369 min Scan# 11368
 Delta R.T. 0.000 min
 Lab File: BF135271.D
 Acq: 15 Sep 2023 00:21

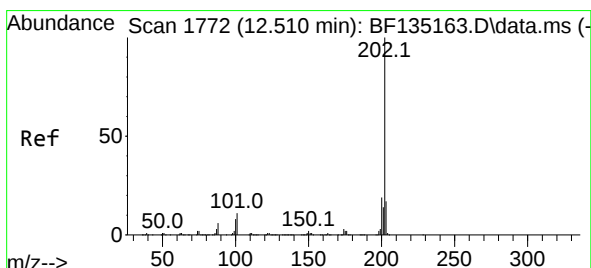
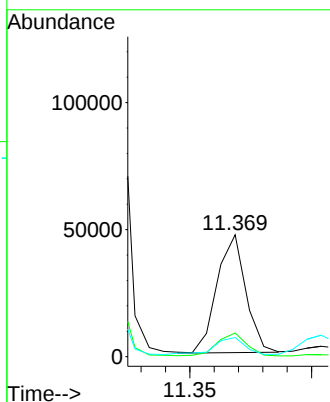
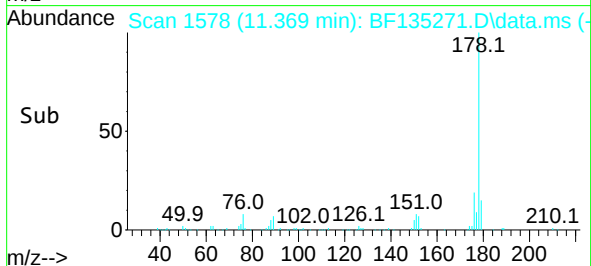
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMPD2



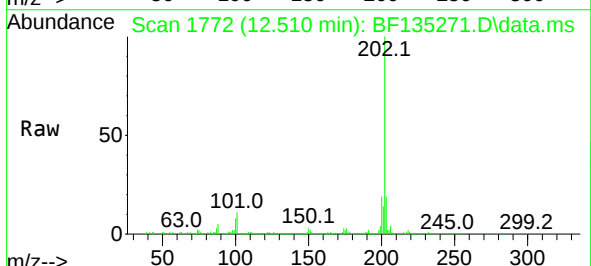
Tgt Ion:178 Resp: 3828
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.8 12.6 19.0

Manual Integrations
 APPROVED

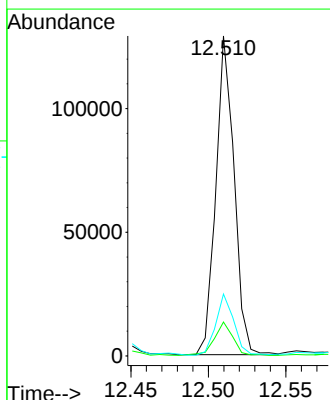
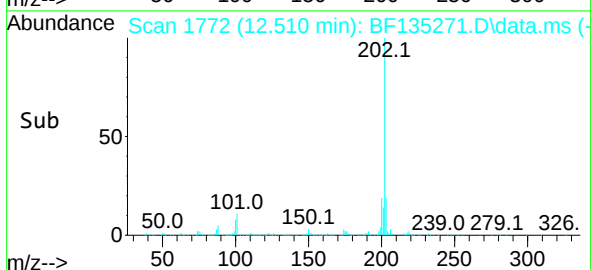
Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

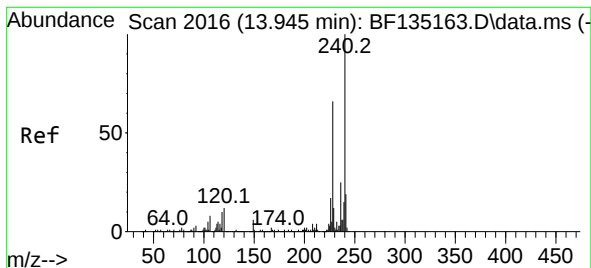


#75
 Fluoranthene
 Concen: 9.275 ng
 RT: 12.510 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: BF135271.D
 Acq: 15 Sep 2023 00:21



Tgt Ion:202 Resp: 105693
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.3
 203 19.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

Tgt Ion:240 Resp: 19506

Ion Ratio Lower Upper

240 100

120 8.8 9.4 14.2

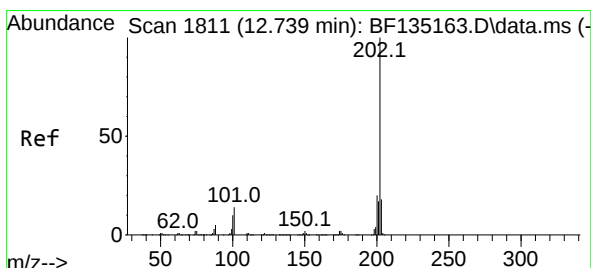
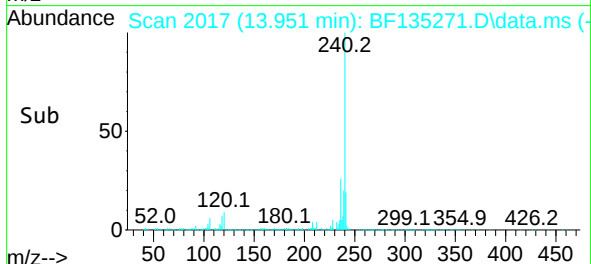
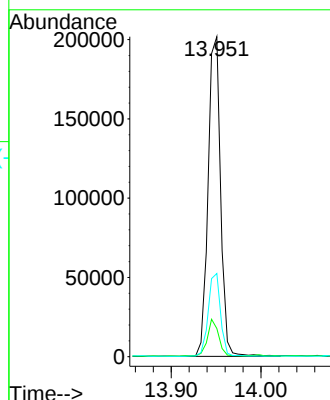
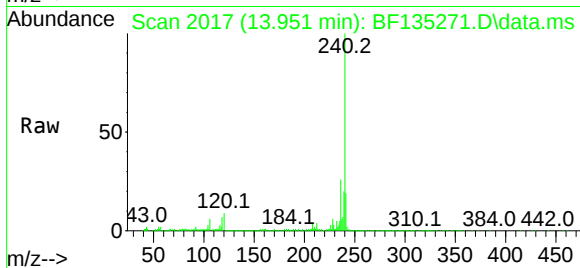
236 26.0 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#78

Pyrene

Concen: 10.424 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

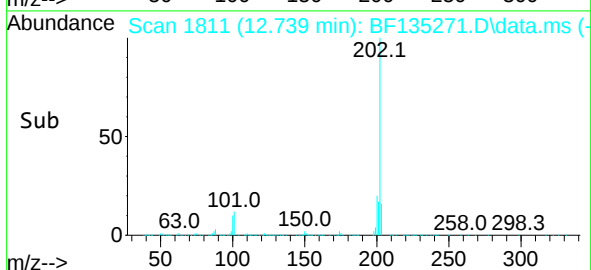
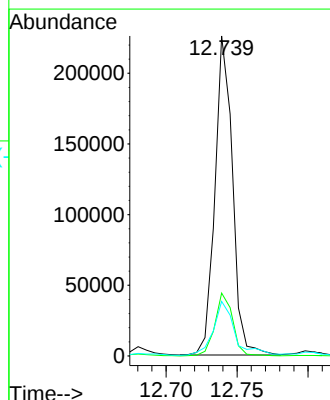
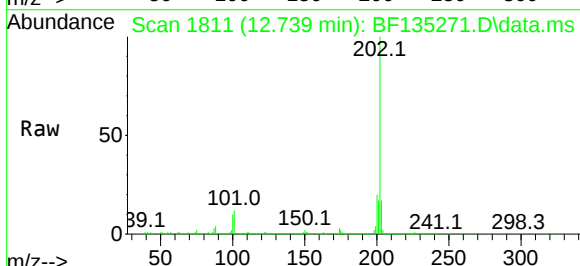
Tgt Ion:202 Resp: 193578

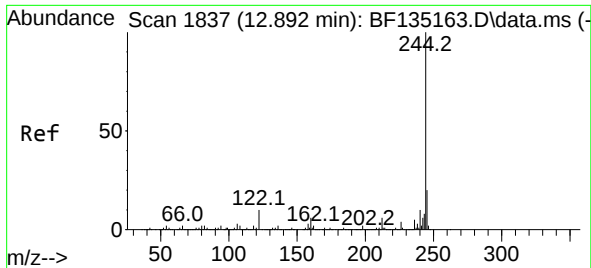
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.1 14.2 21.4





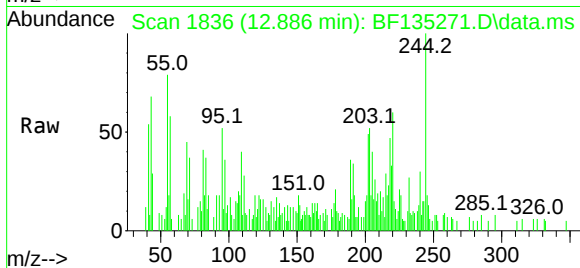
#79
 Terphenyl-d14
 Concen: 0.209 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF135271.D
 Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2



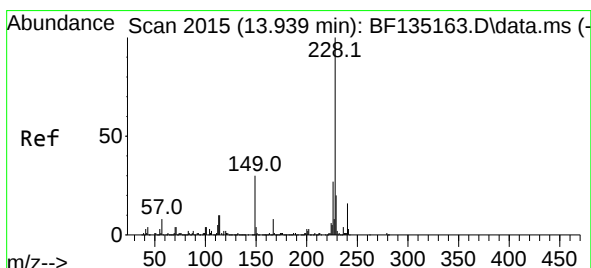
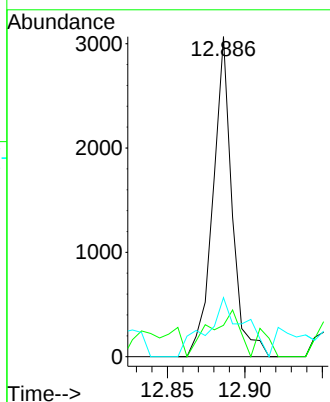
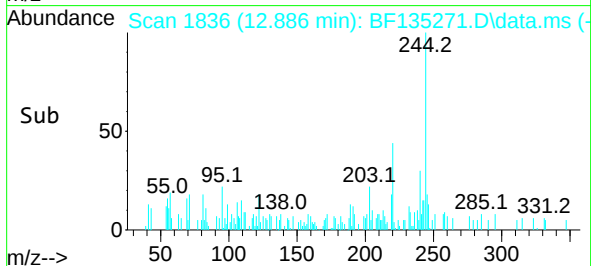
Tgt Ion:244 Resp: 2628
 Ion Ratio Lower Upper
 244 100
 212 9.8 5.1 7.7
 122 18.5 7.9 11.9

Manual Integrations

APPROVED

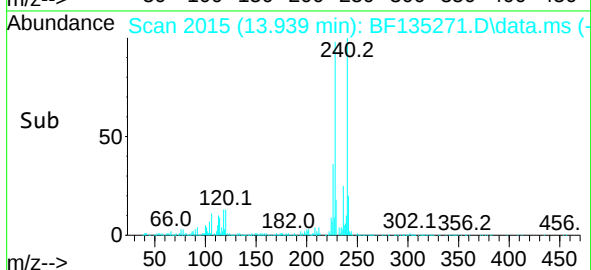
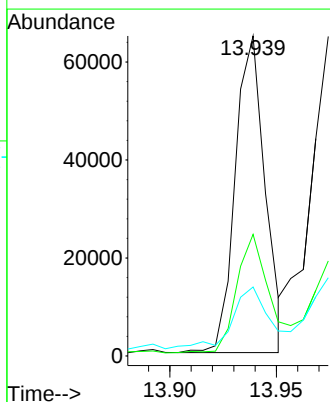
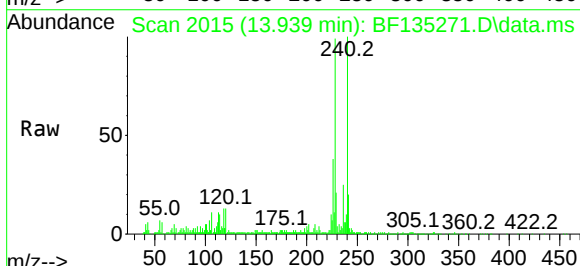
Reviewed By :Yogesh Patel 09/15/2023

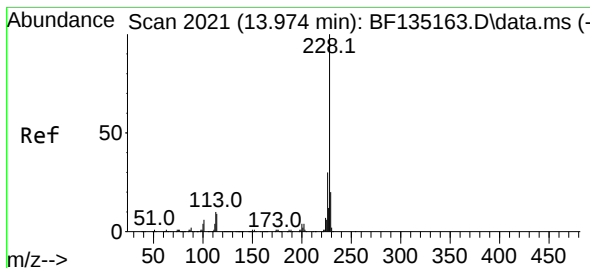
Supervised By :mohammad ahmed 09/15/2023



#81
 Benzo(a)anthracene
 Concen: 5.014 ng
 RT: 13.939 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: BF135271.D
 Acq: 15 Sep 2023 00:21

Tgt Ion:228 Resp: 63157
 Ion Ratio Lower Upper
 228 100
 226 38.0 21.7 32.5
 229 21.5 15.8 23.8





#83

Chrysene

Concen: 5.200 ng m

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

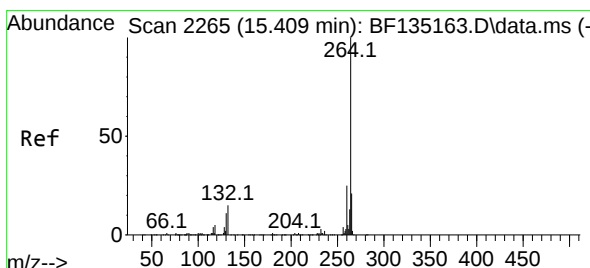
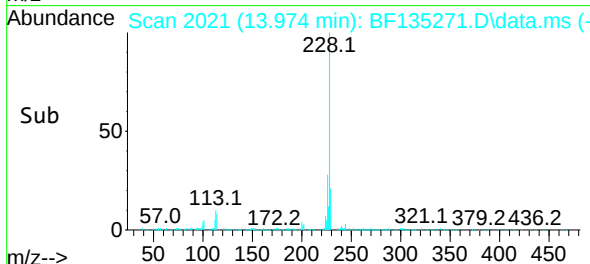
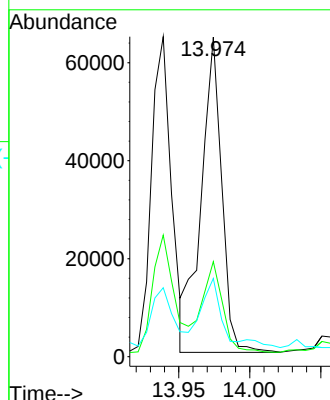
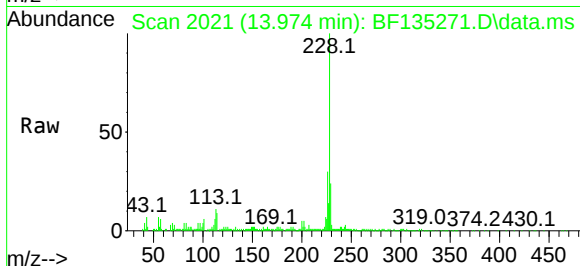
Tgt Ion:228	Resp: 6511
Ion Ratio	Lower Upper
228 100	
226 29.8	24.3 36.5
229 24.5	16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#86

Perylene-d12

Concen: 20.000 ng

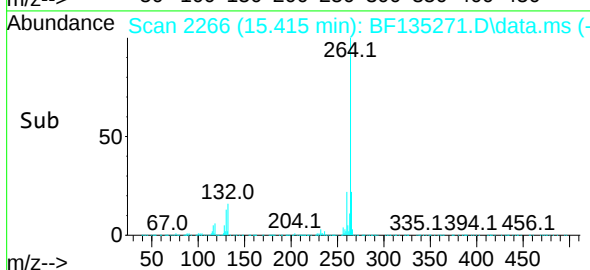
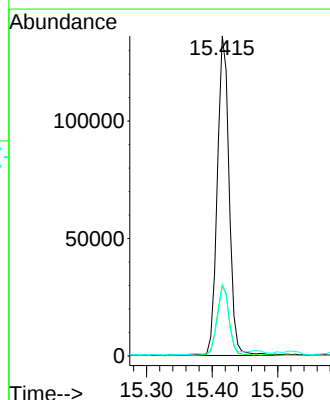
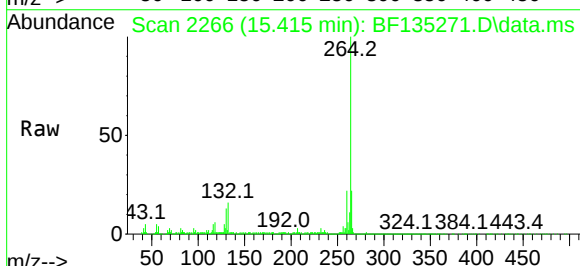
RT: 15.415 min Scan# 2266

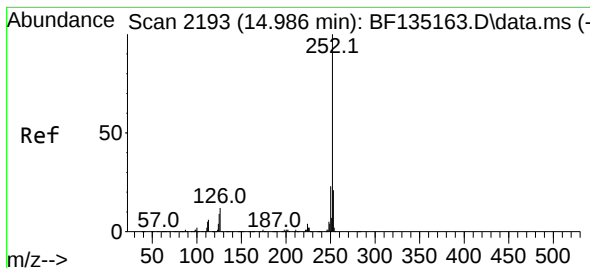
Delta R.T. 0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Tgt Ion:264	Resp: 170541
Ion Ratio	Lower Upper
264 100	
260 22.0	19.8 29.6
265 22.3	17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.634 ng m

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNF

ClientSampleId :

SB-04-COMPDL2

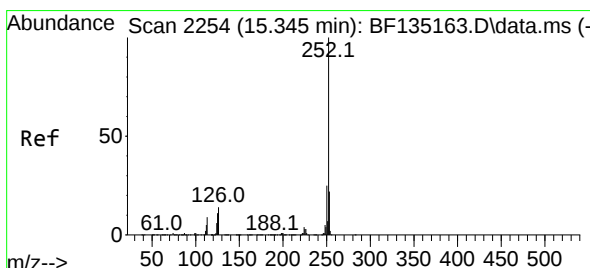
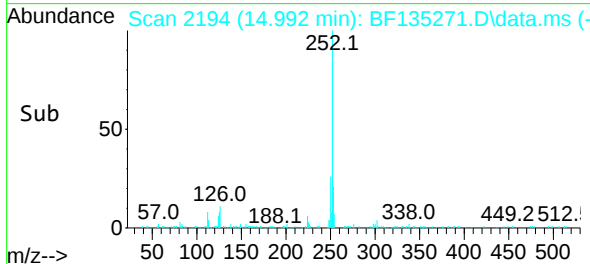
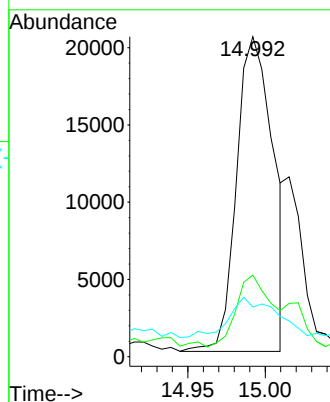
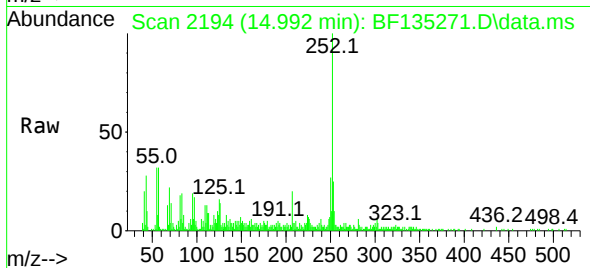
Tgt Ion:	252	Resp:	3355
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.2	25.8
125	15.5	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#90

Benzo(a)pyrene

Concen: 4.185 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.012 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Tgt Ion:	252	Resp:	36845
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.5	26.3
125	13.7	9.2	13.8

