

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135324.D
 Acq On : 19 Sep 2023 00:28
 Operator : CG\JU
 Sample : 04424-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-09132023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 19 00:53:00 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	6.757	152	106615	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	382406	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	157735	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	253356	20.000	ng	0.00
76) Chrysene-d12	13.945	240	200432	20.000	ng	0.00
86) Perylene-d12	15.410	264	166804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	91479	13.955	ng	0.00
7) Phenol-d6	6.392	99	113529	13.620	ng	-0.01
23) Nitrobenzene-d5	7.316	82	64279	9.132	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	16834	10.739	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	118973	11.380	ng	-0.02
79) Terphenyl-d14	12.874	244	94986	7.346	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.822	154	27830	3.223	ng	98
55) Dibenzofuran	9.998	168	30292	2.299	ng	# 95
58) Fluorene	10.339	166	56954	5.623	ng	93
71) Phenanthrene	11.310	178	450855	37.626	ng	99
72) Anthracene	11.357	178	144824	11.758	ng	99
75) Fluoranthene	12.504	202	867787	69.502	ng	100
78) Pyrene	12.739	202	819777	42.959	ng	100
81) Benzo(a)anthracene	13.933	228	431028	33.303	ng	99
83) Chrysene	13.968	228	338782	26.328	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	103885	9.499	ng	98
88) Benzo(b)fluoranthene	14.986	252	338527m	37.490	ng	
89) Benzo(k)fluoranthene	15.010	252	135369m	15.176	ng	
90) Benzo(a)pyrene	15.345	252	234501	27.233	ng	97
91) Dibenzo(a,h)anthracene	16.892	278	29135	3.256	ng	# 92
92) Benzo(g,h,i)perylene	17.333	276	100120	10.713	ng	98

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

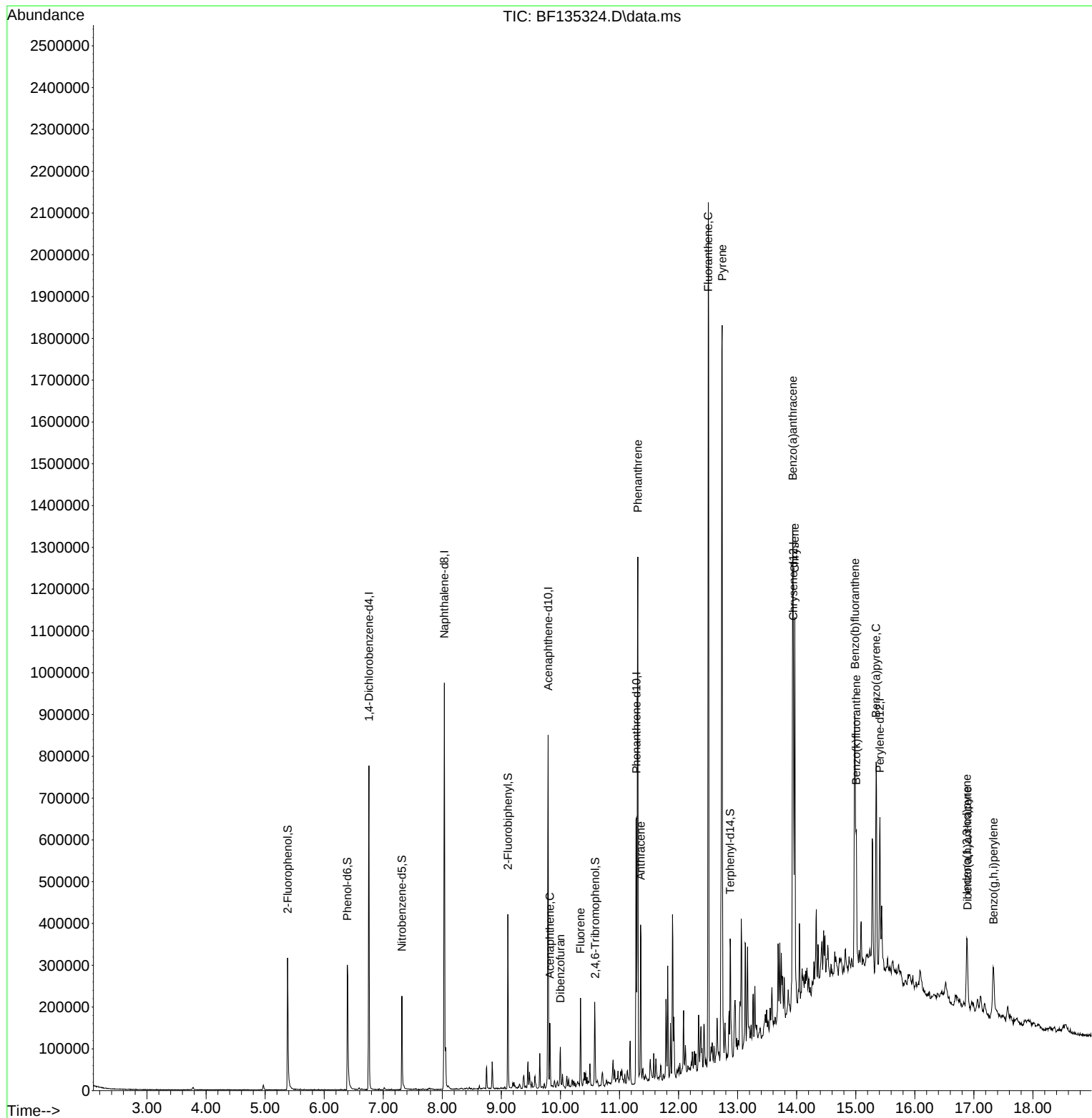
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135324.D
Acq On : 19 Sep 2023 00:28
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Sample : 04424-01 10X
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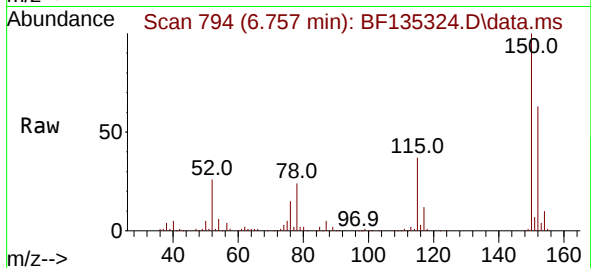
Quant Time: Sep 19 00:53:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

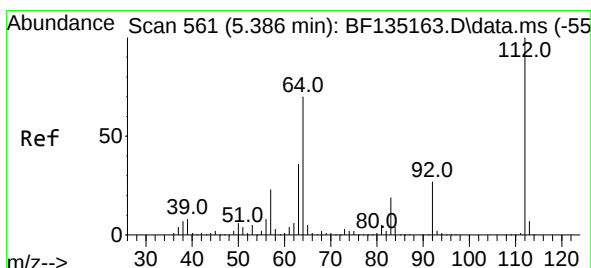
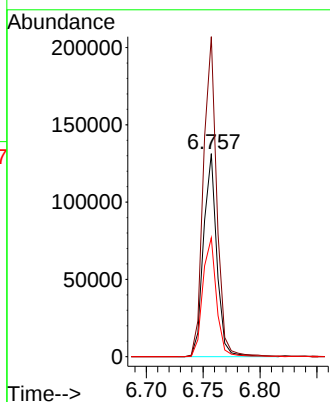
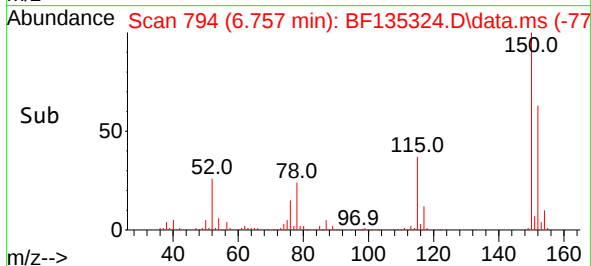
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023



Tgt Ion:152 Resp: 106615
Ion Ratio Lower Upper
152 100
150 157.7 127.8 191.6
115 58.6 49.8 74.8

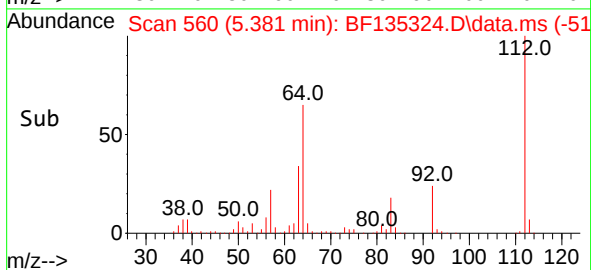
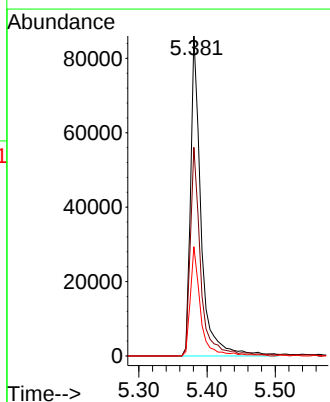
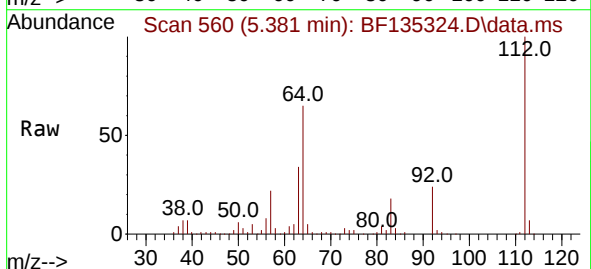
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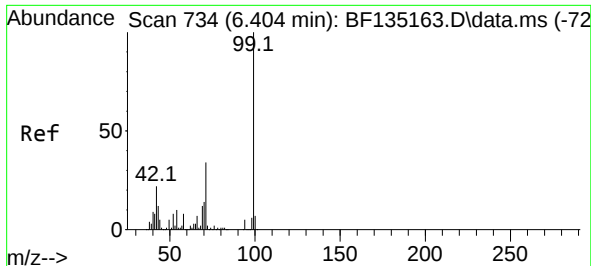
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#5
2-Fluorophenol
Concen: 13.955 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

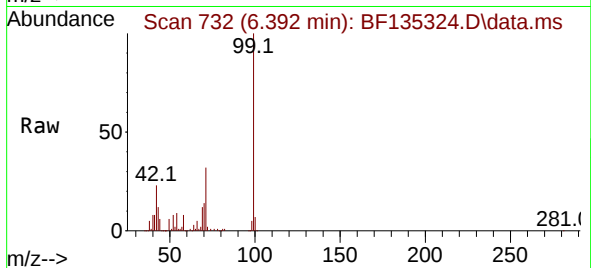
Tgt Ion:112 Resp: 91479
Ion Ratio Lower Upper
112 100
64 65.2 55.9 83.9
63 34.2 29.0 43.6





#7
Phenol-d6
Concen: 13.620 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

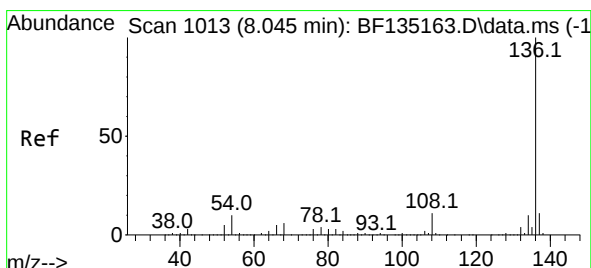
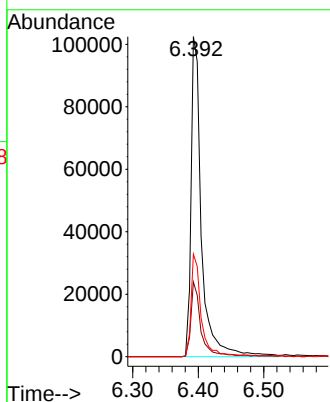
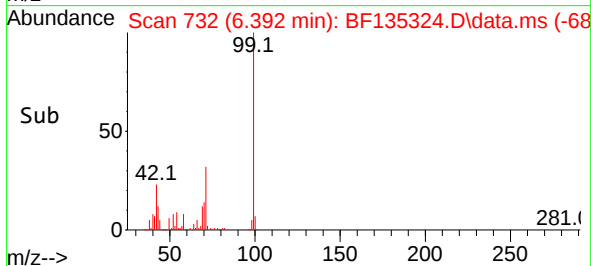
Instrument :
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ClientSampleId :
SU-03-09132023



Tgt Ion: 99 Resp: 113529
Ion Ratio Lower Upper
99 100
42 23.4 17.9 26.9
71 32.0 27.0 40.6

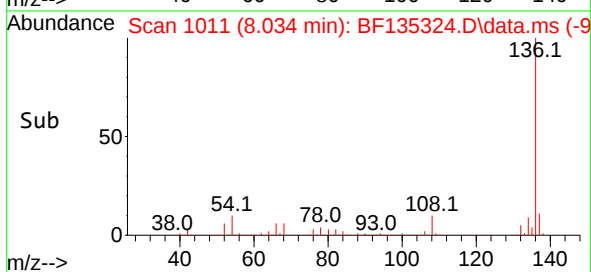
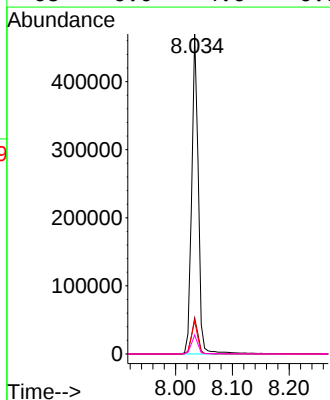
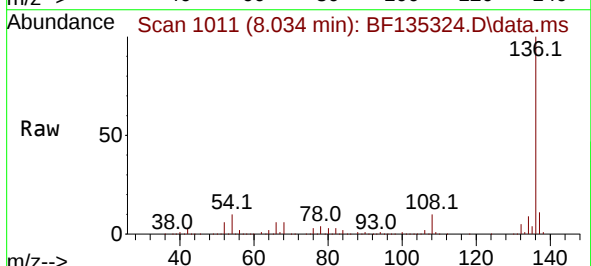
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:136 Resp: 382406
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 10.3 7.7 11.5
68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 9.132 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.018 min

Lab File: BF135324.D

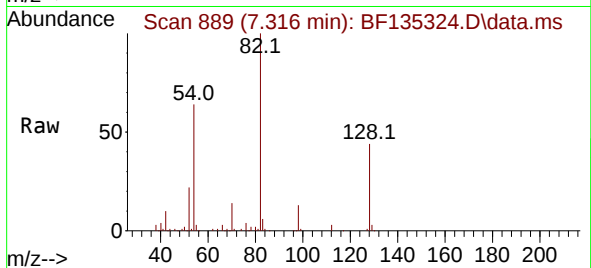
Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023



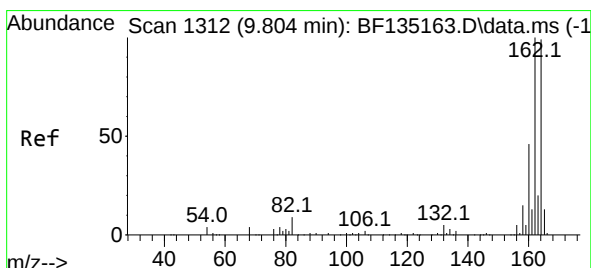
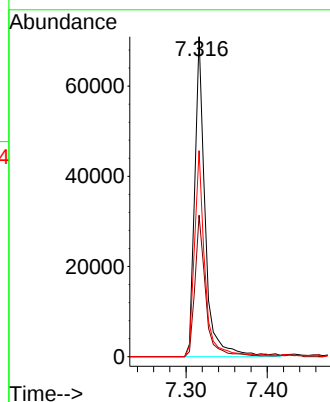
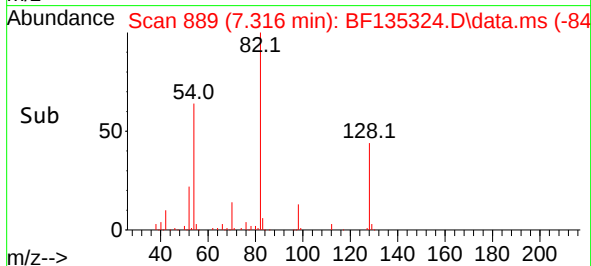
Tgt Ion:	82	Resp:	64279
Ion Ratio	Lower	Upper	
82	100		
128	44.2	35.8	53.6
54	64.4	50.6	76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

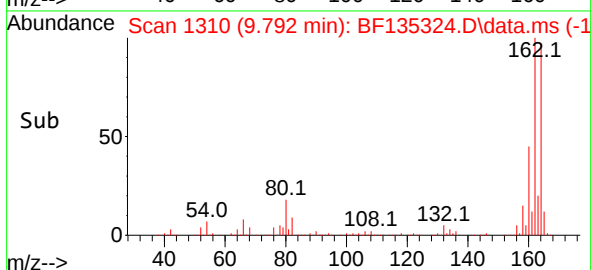
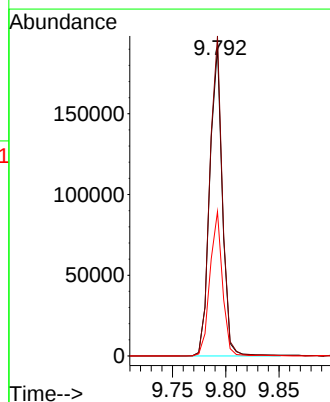
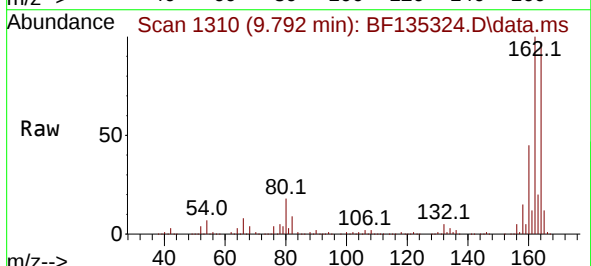
RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

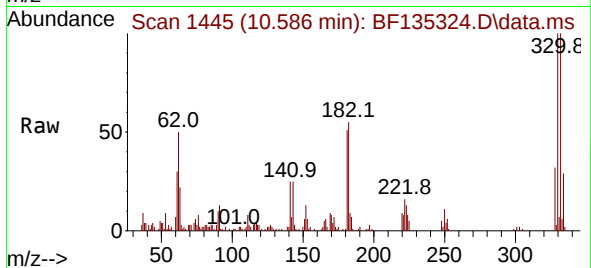
Tgt Ion:	164	Resp:	157735
Ion Ratio	Lower	Upper	
164	100		
162	103.5	81.0	121.4
160	46.7	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 10.739 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

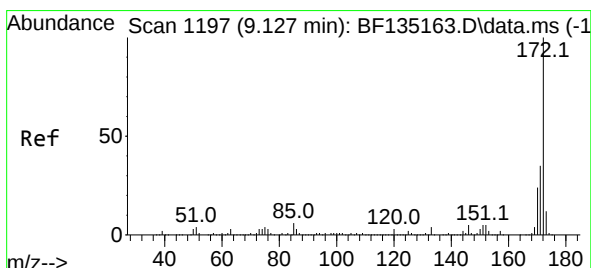
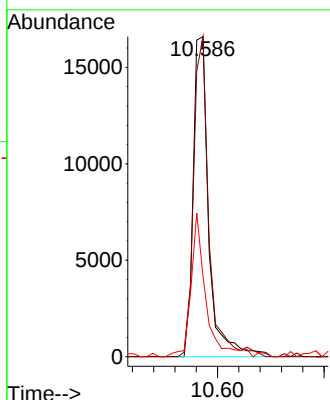
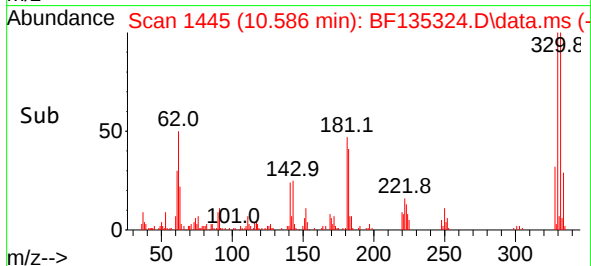
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023



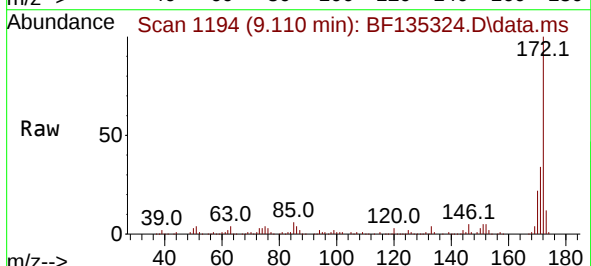
Tgt Ion: 330 Resp: 16834
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 43.1 25.8 38.8

Manual Integrations
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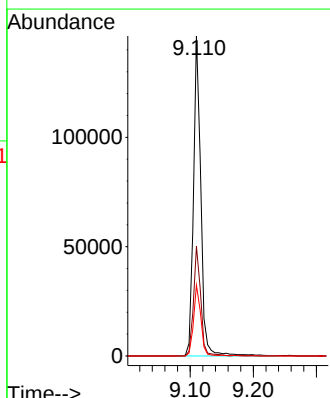
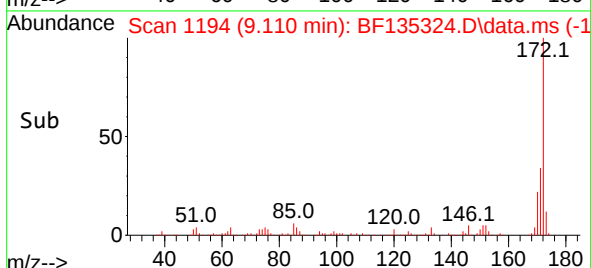
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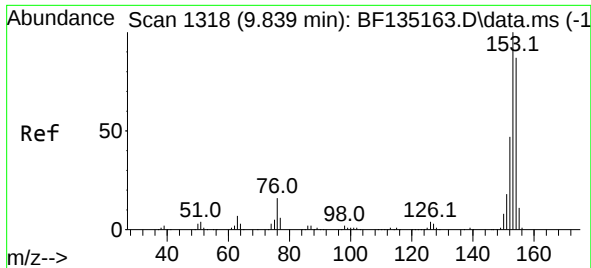


#45
2-Fluorobiphenyl
Concen: 11.380 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.018 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28



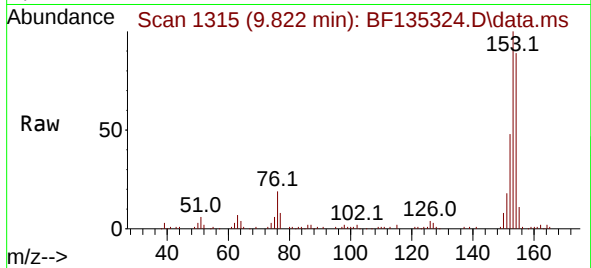
Tgt Ion: 172 Resp: 118973
Ion Ratio Lower Upper
172 100
171 34.2 28.4 42.6
170 22.1 19.0 28.4





#52
Acenaphthene
Concen: 3.223 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.017 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

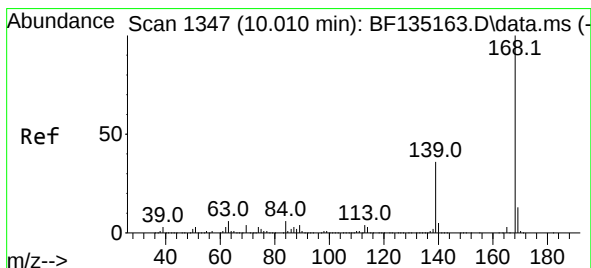
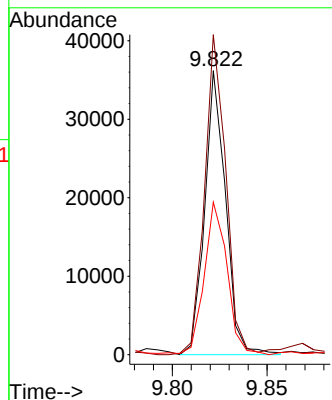
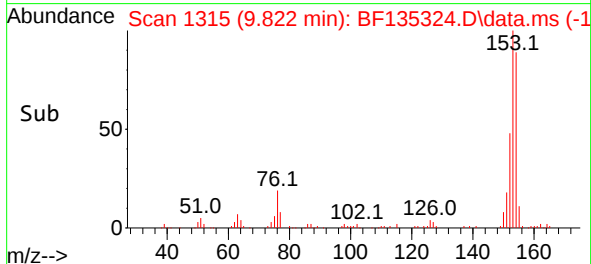
Instrument :
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SU-03-09132023



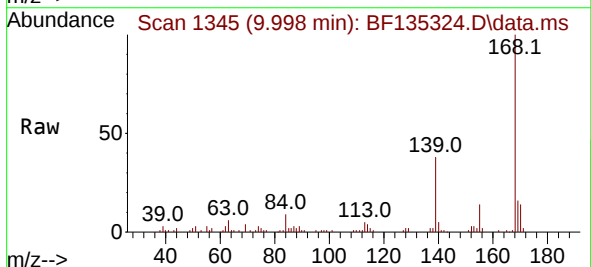
Tgt Ion:154 Resp: 27830
Ion Ratio Lower Upper
154 100
153 112.7 92.1 138.1
152 53.7 43.1 64.7

Manual Integrations
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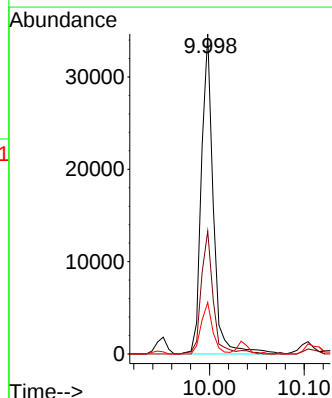
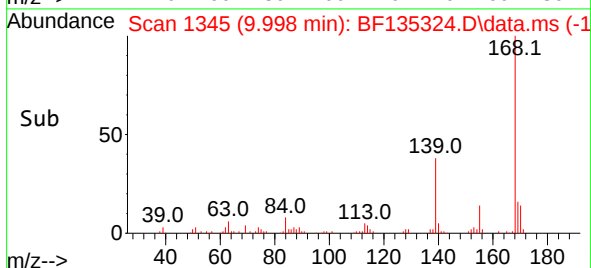
Reviewed By :Yogesh Patel 09/19/2023
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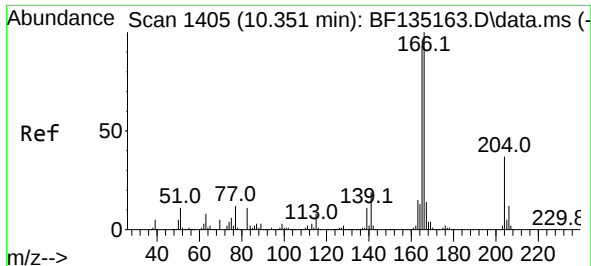


#55
Dibenzofuran
Concen: 2.299 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28



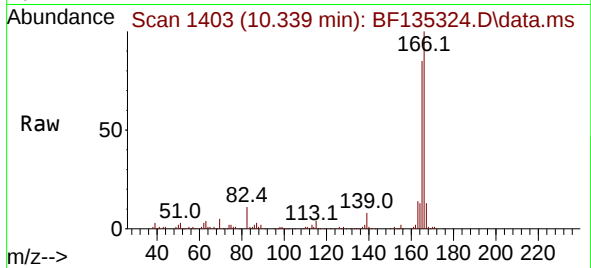
Tgt Ion:168 Resp: 30292
Ion Ratio Lower Upper
168 100
139 38.4 29.0 43.6
169 16.1 10.4 15.6#





#58
Fluorene
Concen: 5.623 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

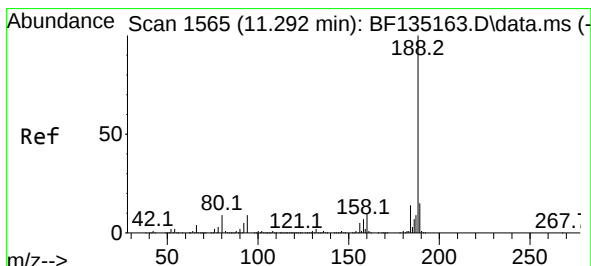
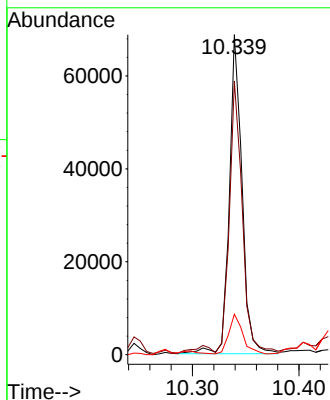
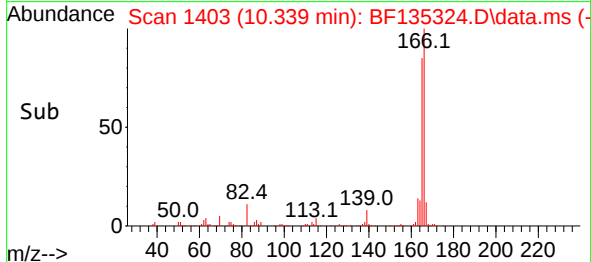
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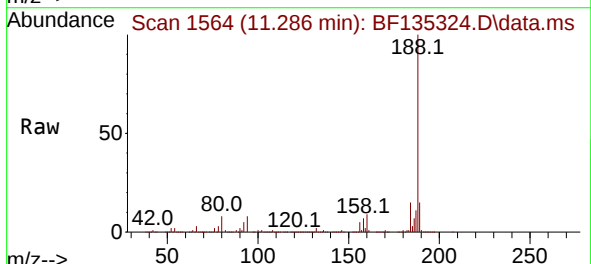
Tgt Ion:166 Resp: 56954
Ion Ratio Lower Upper
166 100
165 85.5 74.3 111.5
167 12.7 10.9 16.3

Manual Integrations
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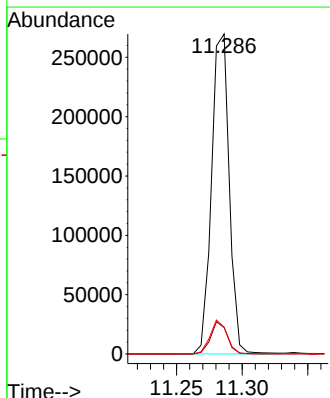
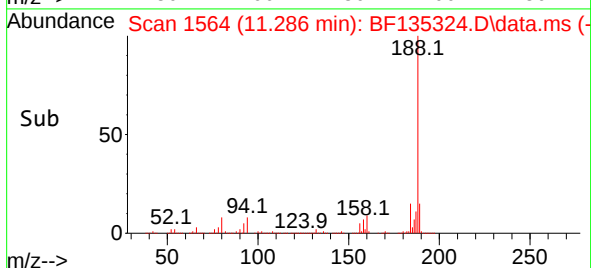
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

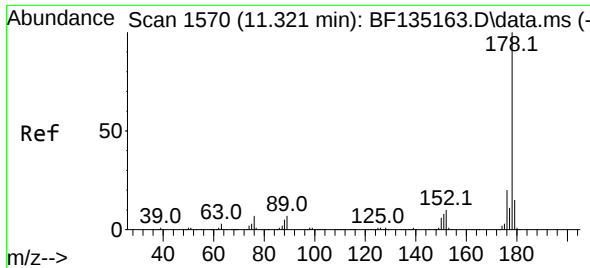


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28



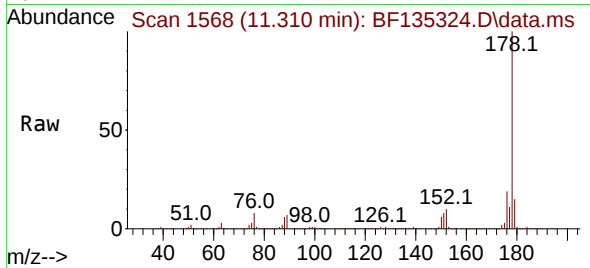
Tgt Ion:188 Resp: 253356
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.6
80 8.4 7.5 11.3





#71
Phenanthrene
Concen: 37.626 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

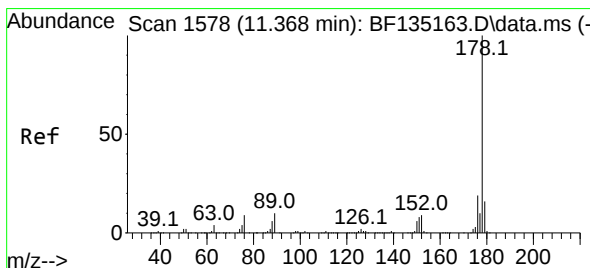
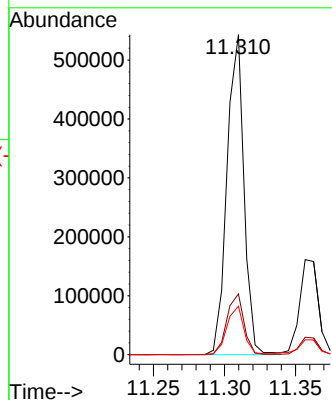
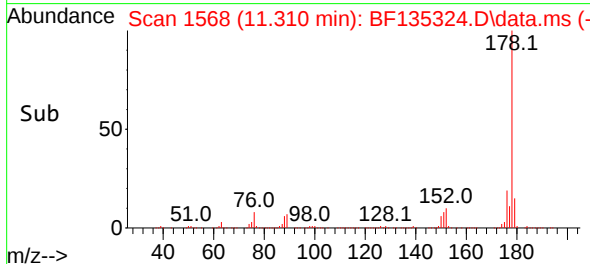
Instrument :
BNA_F
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SU-03-09132023



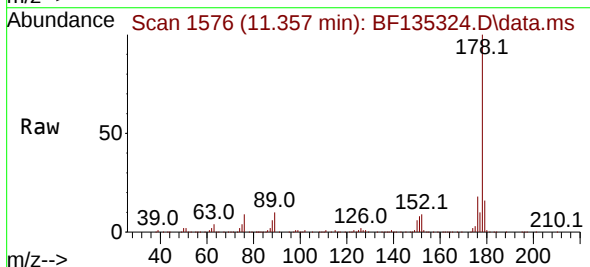
Tgt Ion:178 Resp: 45085
Ion Ratio Lower Upper
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176 19.0 15.6 23.4
179 15.2 12.0 18.0

Manual Integrations
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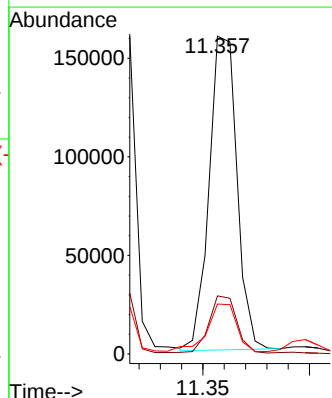
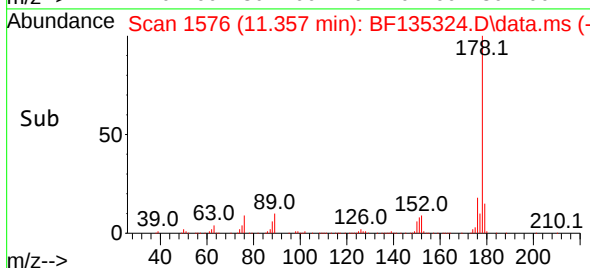
Reviewed By :Yogesh Patel 09/19/2023
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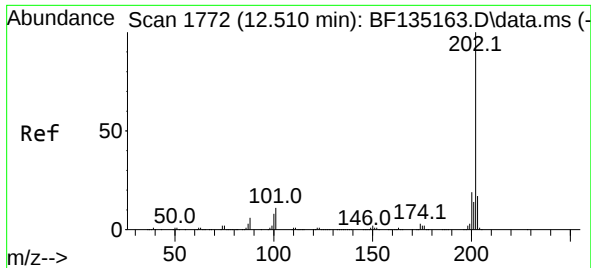


#72
Anthracene
Concen: 11.758 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28



Tgt Ion:178 Resp: 144824
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.7 12.6 19.0





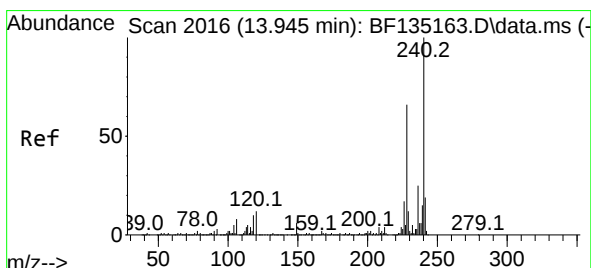
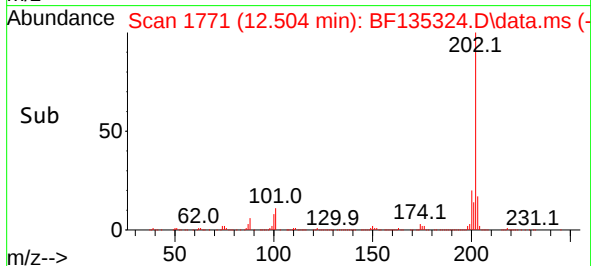
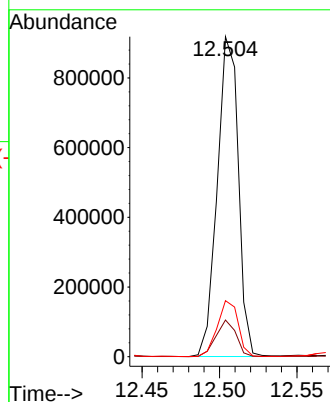
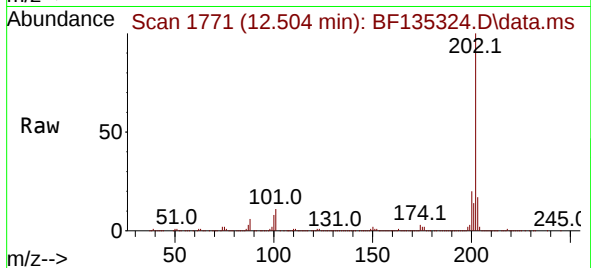
#75
Fluoranthene
Concen: 69.502 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Instrument :
BNA_F
ClientSampleId :
SU-03-09132023

Tgt Ion:202 Resp: 86778
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 17.5 0.0 37.4

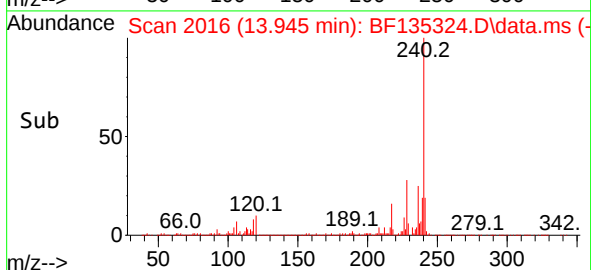
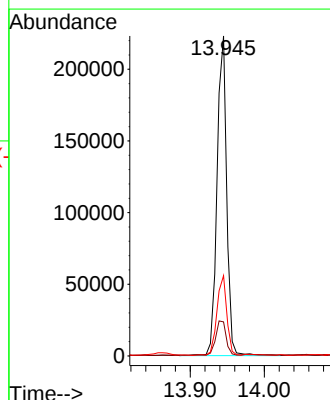
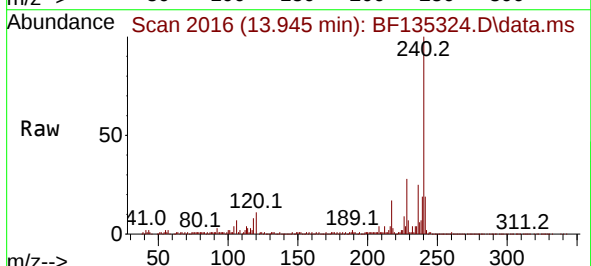
Manual Integrations
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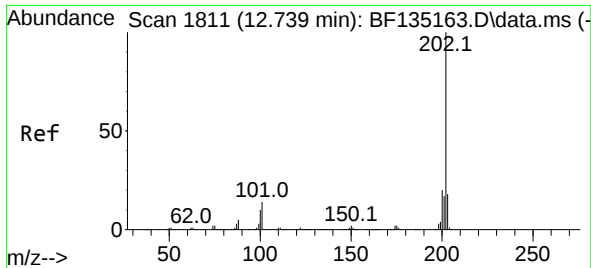
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

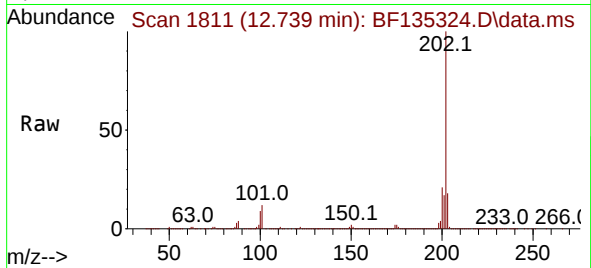
Tgt Ion:240 Resp: 200432
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 25.1 19.8 29.8





#78
 Pyrene
 Concen: 42.959 ng
 RT: 12.739 min Scan# 1811
 Delta R.T. 0.000 min
 Lab File: BF135324.D
 Acq: 19 Sep 2023 00:28

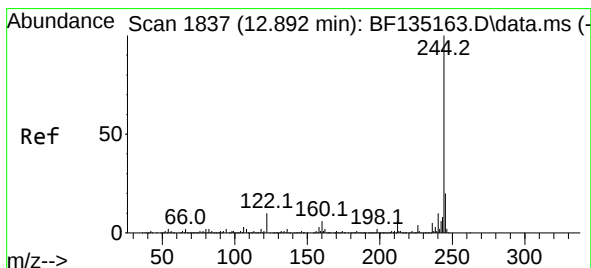
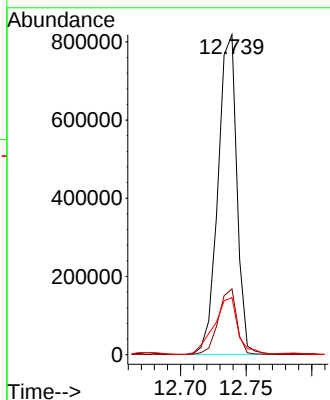
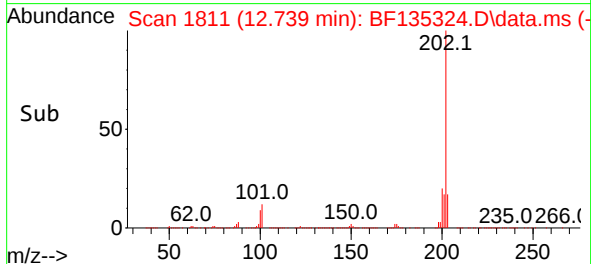
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-09132023



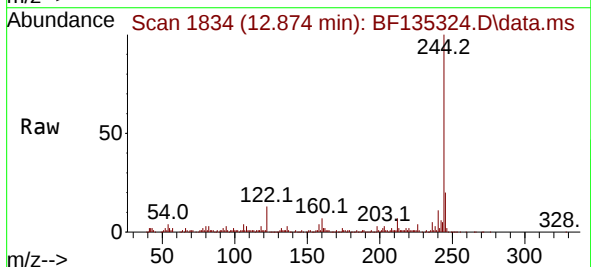
Tgt Ion:202 Resp: 81977
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.2 24.2
 203 17.9 14.2 21.4

Manual Integrations
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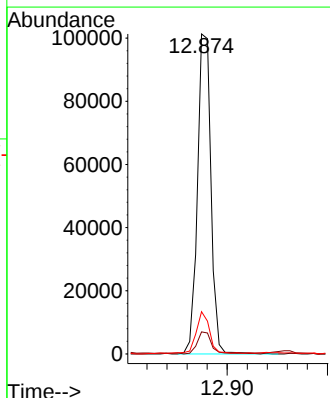
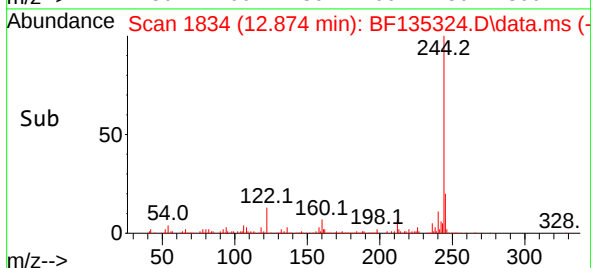
Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

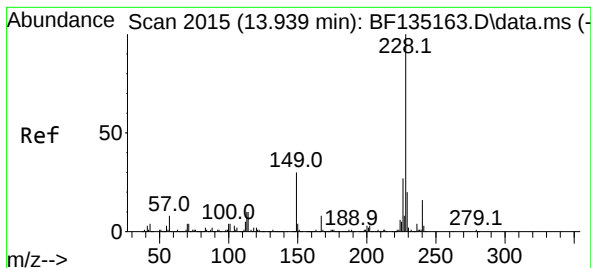


#79
 Terphenyl-d14
 Concen: 7.346 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. -0.018 min
 Lab File: BF135324.D
 Acq: 19 Sep 2023 00:28



Tgt Ion:244 Resp: 94986
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 13.2 7.9 11.9#





#81

Benzo(a)anthracene

Concen: 33.303 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

Tgt Ion:228 Resp: 431028

Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

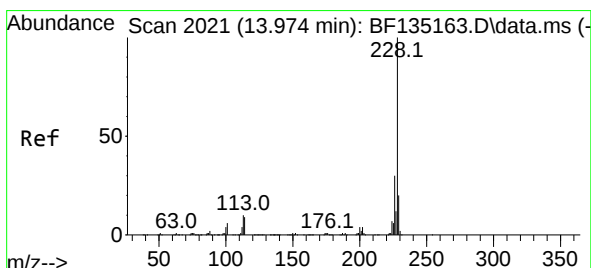
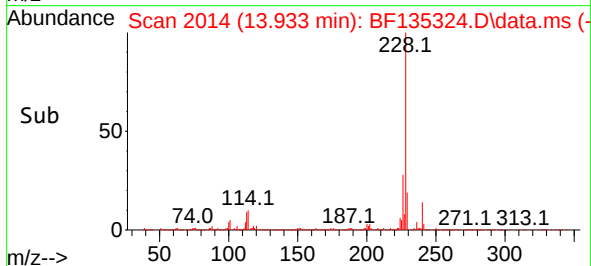
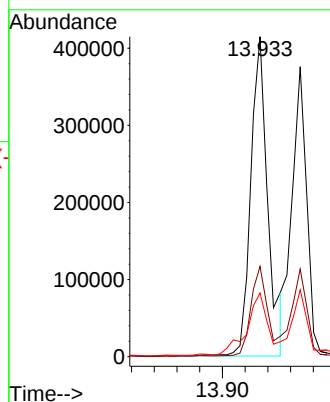
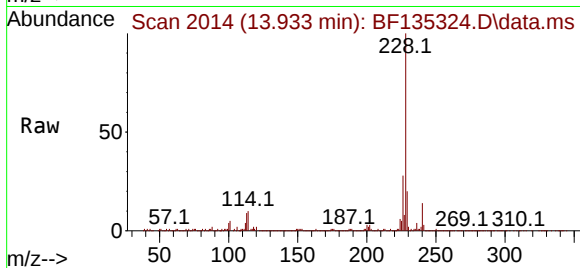
229 19.9 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#83

Chrysene

Concen: 26.328 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

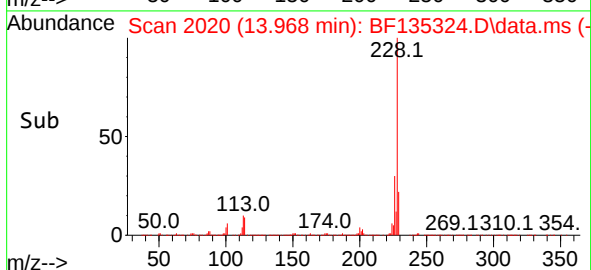
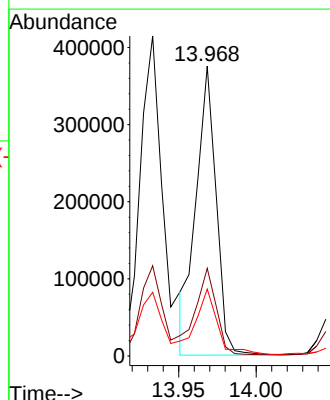
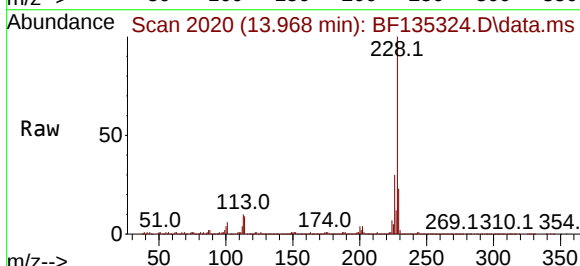
Tgt Ion:228 Resp: 338782

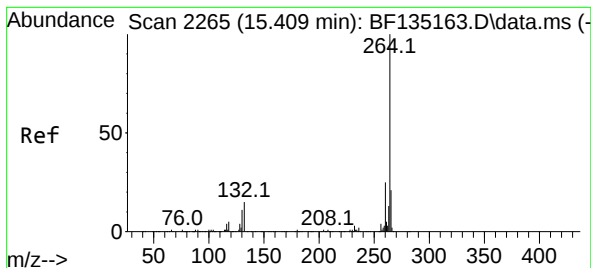
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 23.1 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

Tgt Ion:264 Resp: 166804

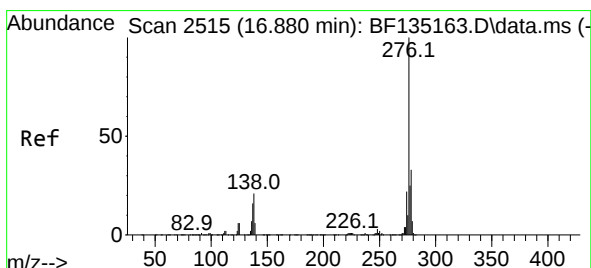
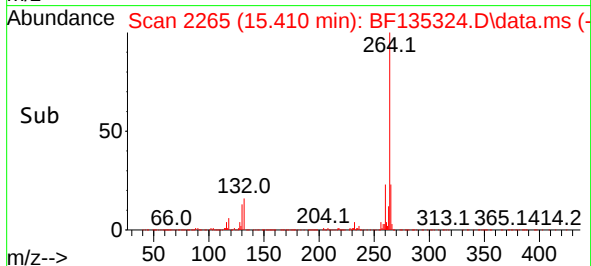
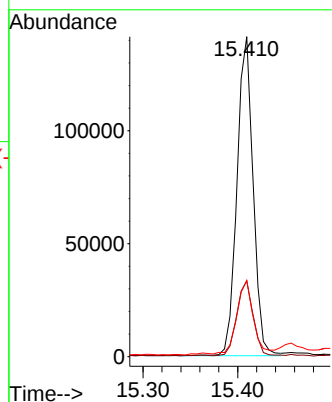
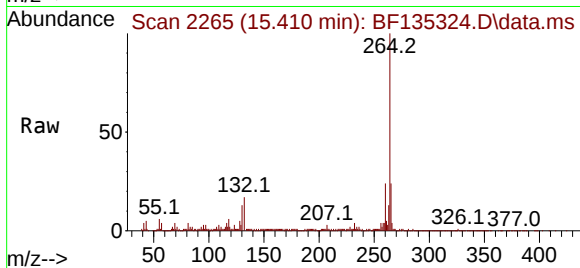
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.8	29.6
265	23.8	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.499 ng

RT: 16.880 min Scan# 2515

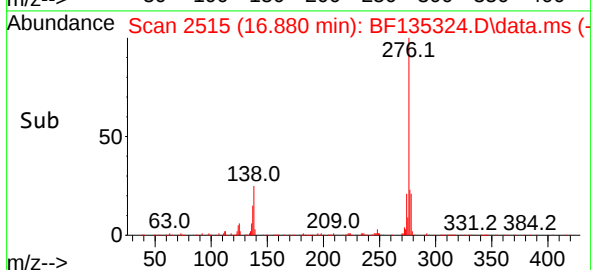
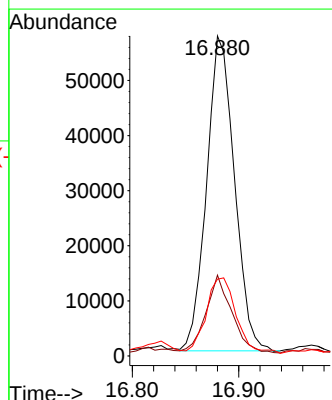
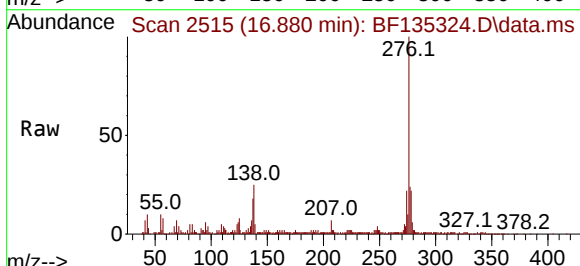
Delta R.T. 0.000 min

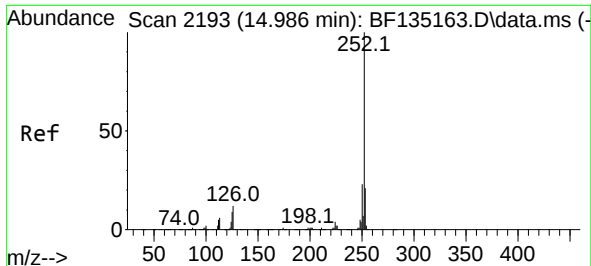
Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Tgt Ion:276 Resp: 103885

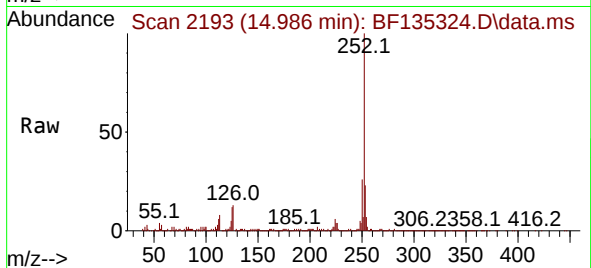
Ion	Ratio	Lower	Upper
276	100		
138	23.0	19.2	28.8
277	25.7	19.7	29.5





#88
Benzo(b)fluoranthene
Concen: 37.490 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

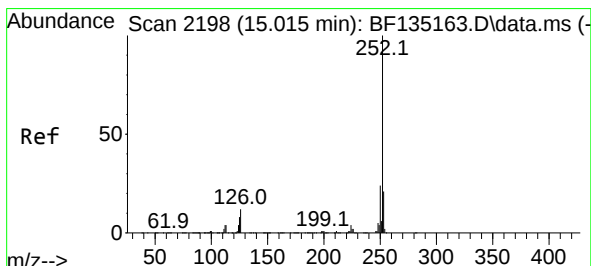
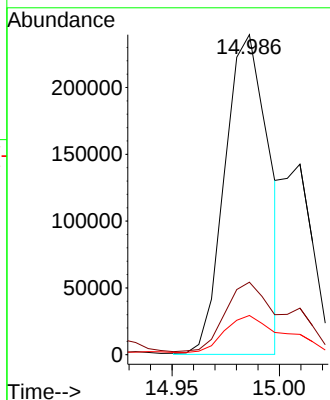
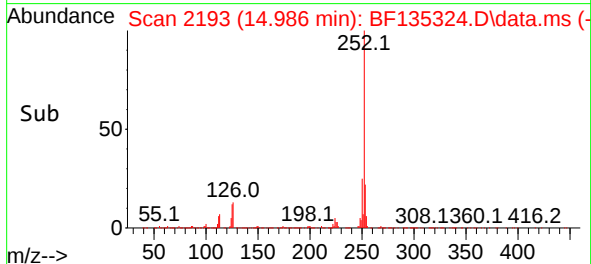
Instrument :
BNA_F
ClientSampleId :
SU-03-09132023



Tgt Ion:252 Resp: 338527
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 12.2 7.1 10.7

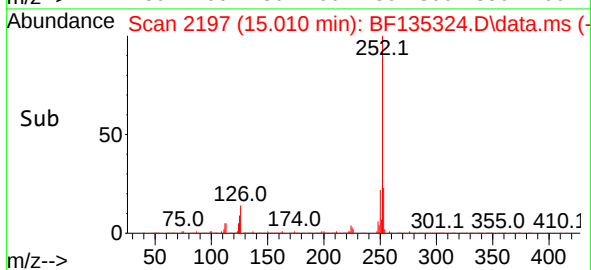
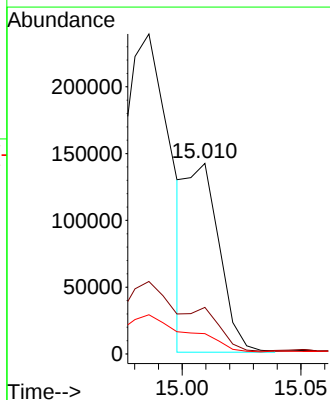
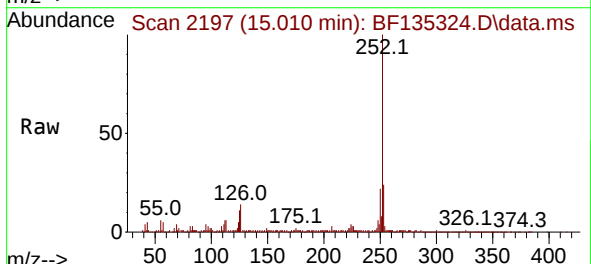
Manual Integrations
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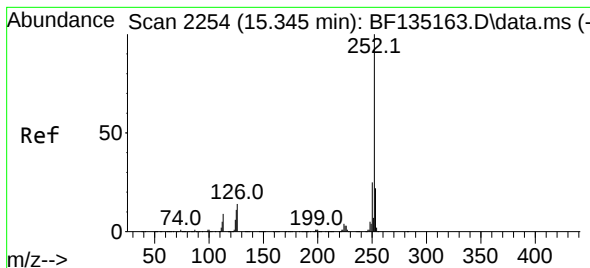
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#89
Benzo(k)fluoranthene
Concen: 15.176 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF135324.D
Acq: 19 Sep 2023 00:28

Tgt Ion:252 Resp: 135369
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 10.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 27.233 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023

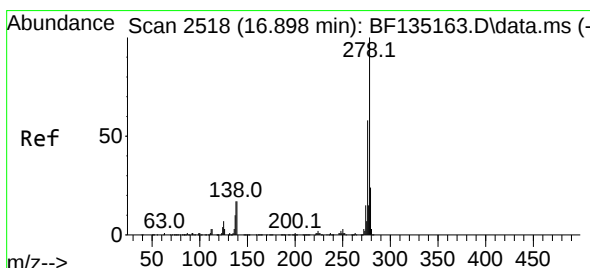
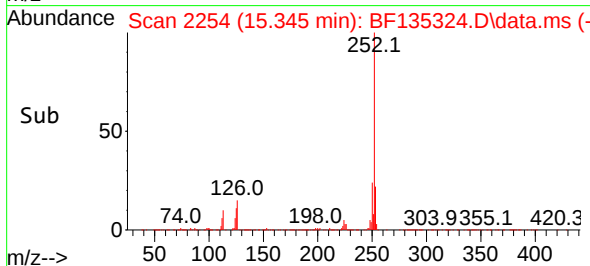
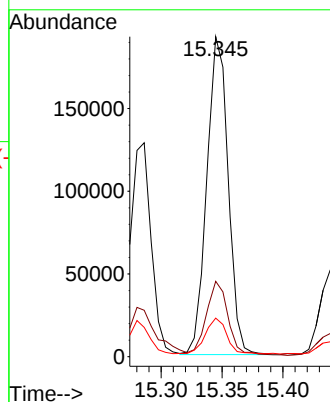
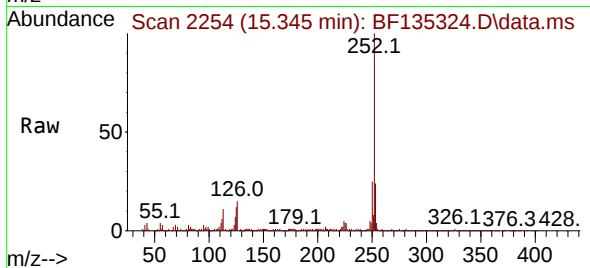
Tgt Ion:252 Resp: 23450
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.5 26.3
 125 12.1 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.256 ng

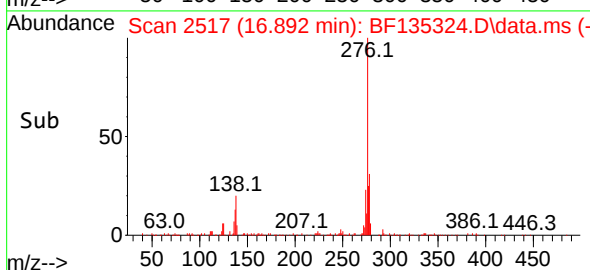
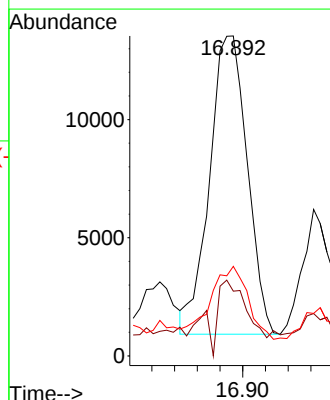
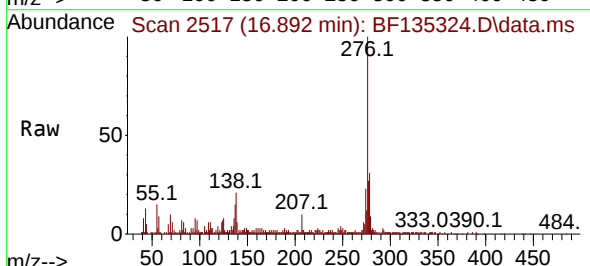
RT: 16.892 min Scan# 2517

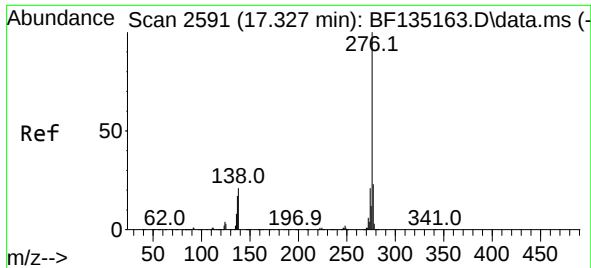
Delta R.T. -0.006 min

Lab File: BF135324.D

Acq: 19 Sep 2023 00:28

Tgt Ion:278 Resp: 29135
 Ion Ratio Lower Upper
 278 100
 139 20.2 13.4 20.0#
 279 28.0 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 10.713 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135324.D

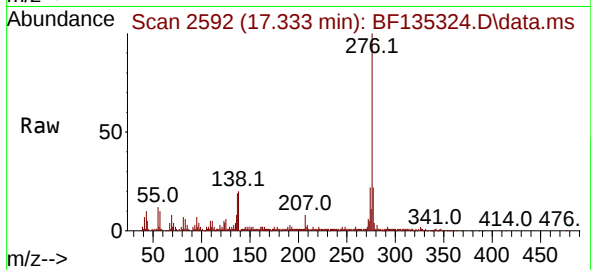
Acq: 19 Sep 2023 00:28

Instrument :

BNA_F

ClientSampleId :

SU-03-09132023



Tgt Ion:276 Resp: 100120

Ion Ratio Lower Upper

276 100

277 22.3 18.8 28.2

138 20.0 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023

