

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135325.D
 Acq On : 19 Sep 2023 00:59
 Operator : CG\JU
 Sample : 04423-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-09132023

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 01:26:04 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	87786	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	279681	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	114311	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	216401	20.000	ng	0.00
76) Chrysene-d12	13.945	240	194003	20.000	ng	0.00
86) Perylene-d12	15.409	264	144507	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	80292	14.876	ng	0.00
7) Phenol-d6	6.398	99	92223	13.437	ng	0.00
23) Nitrobenzene-d5	7.316	82	52203	10.141	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	14477	12.744	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	85600	11.298	ng	-0.02
79) Terphenyl-d14	12.880	244	90602	7.240	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.057	128	159603	11.745	ng	99
37) 2-Methylnaphthalene	8.751	142	47850	5.238	ng	97
38) 1-Methylnaphthalene	8.845	142	33294	3.893	ng	97
52) Acenaphthene	9.822	154	80453	12.857	ng	95
55) Dibenzofuran	9.998	168	96267	10.081	ng	99
58) Fluorene	10.339	166	118328	16.119	ng	96
71) Phenanthrene	11.310	178	739947	72.297	ng	99
72) Anthracene	11.363	178	231891	22.042	ng	99
73) Carbazole	11.521	167	70170	7.327	ng	97
75) Fluoranthene	12.510	202	927641	86.983	ng	99
78) Pyrene	12.739	202	838249	45.383	ng	99
81) Benzo(a)anthracene	13.933	228	421125	33.617	ng	98
83) Chrysene	13.968	228	328307	26.359	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	97196	10.258	ng	97
88) Benzo(b)fluoranthene	14.986	252	325935m	41.665	ng	
89) Benzo(k)fluoranthene	15.009	252	83644m	10.824	ng	
90) Benzo(a)pyrene	15.345	252	209431	28.074	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	25705m	3.316	ng	
92) Benzo(g,h,i)perylene	17.333	276	98421	12.156	ng	99

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

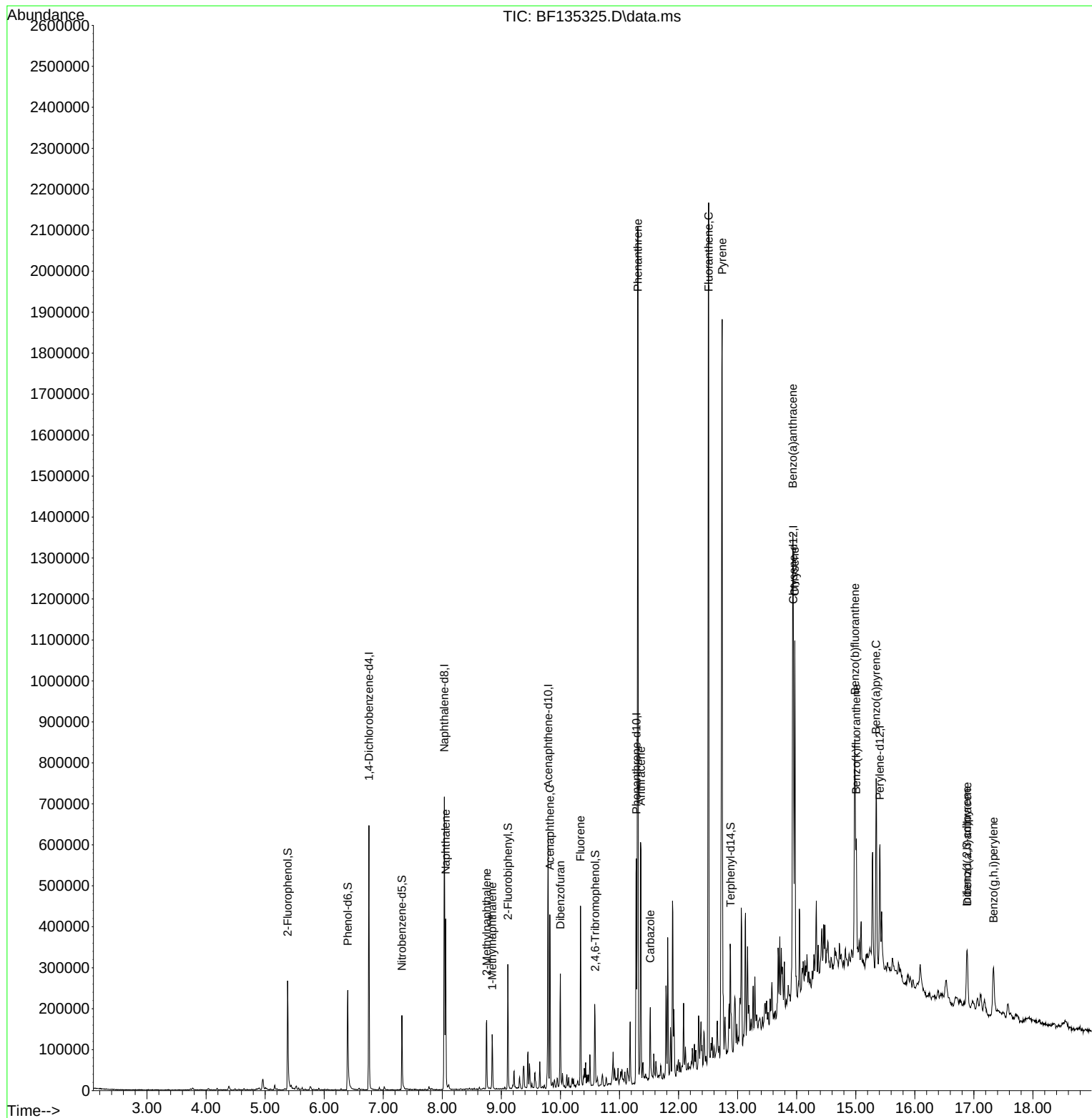
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
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ALS Vial : 20 Sample Multiplier: 1

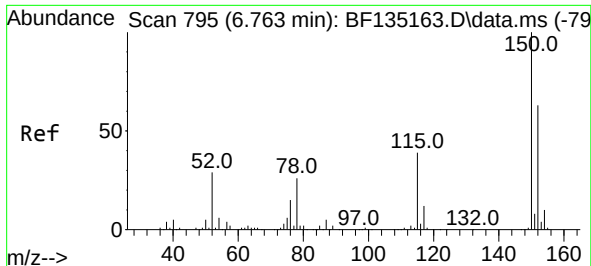
Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

Quant Time: Sep 19 01:26:04 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
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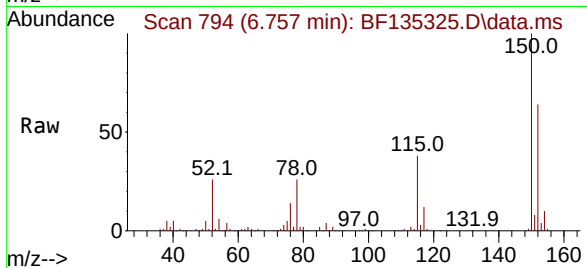
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

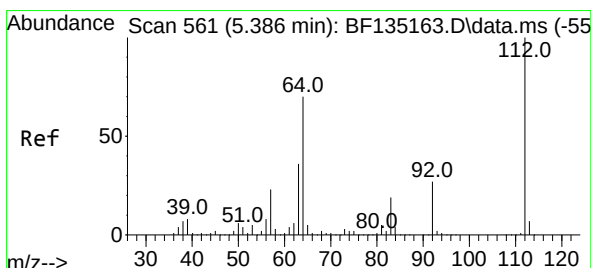
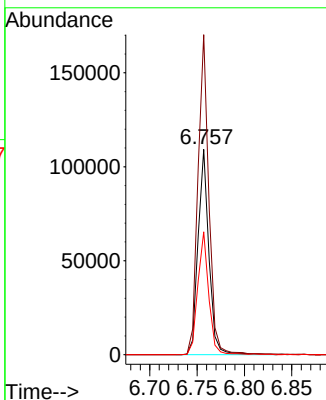
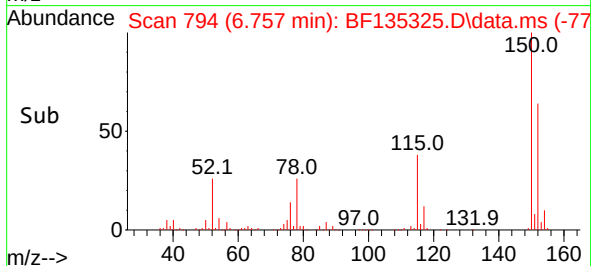
Instrument :
BNA_F
ClientSampleId :
HD-01-09132023



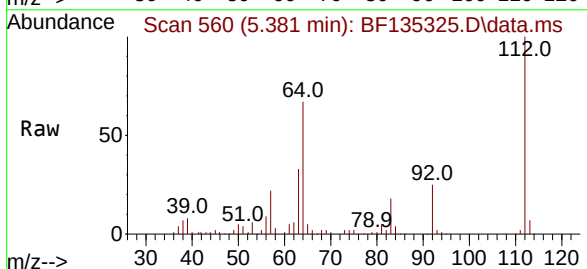
Tgt Ion:152 Resp: 87780
Ion Ratio Lower Upper
152 100
150 155.9 127.8 191.6
115 59.9 49.8 74.8

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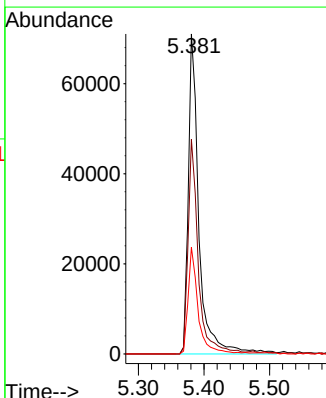
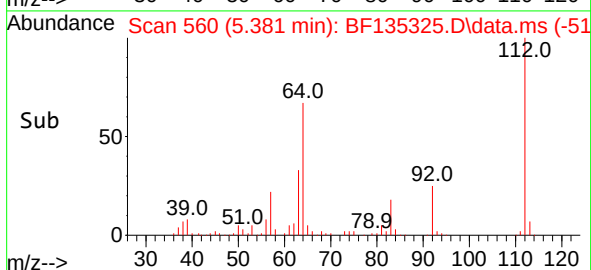
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

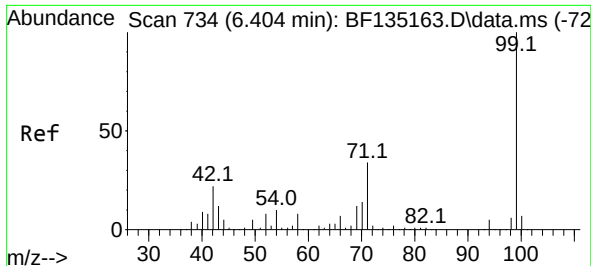


#5
2-Fluorophenol
Concen: 14.876 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59



Tgt Ion:112 Resp: 80292
Ion Ratio Lower Upper
112 100
64 67.1 55.9 83.9
63 33.4 29.0 43.6





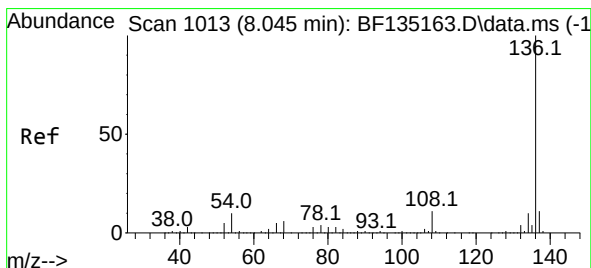
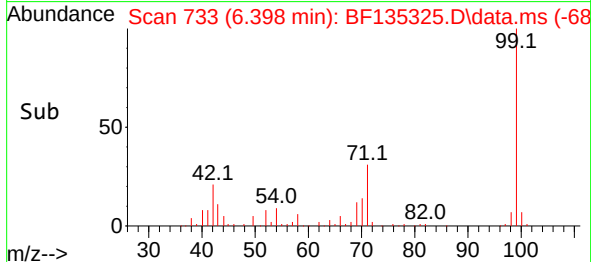
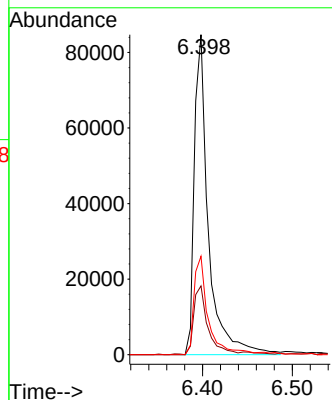
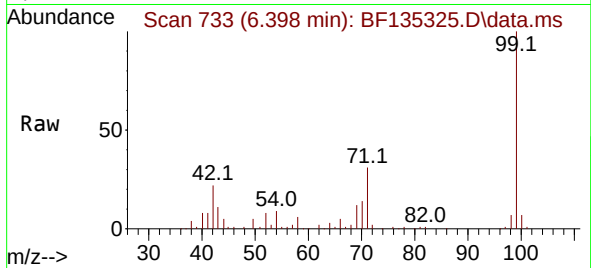
#7
Phenol-d6
Concen: 13.437 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Instrument :
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ClientSampleId :
HD-01-09132023

Tgt Ion: 99 Resp: 9222
Ion Ratio Lower Upper
99 100
42 21.5 17.9 26.9
71 30.8 27.0 40.6

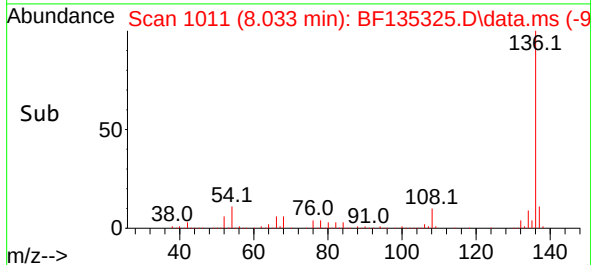
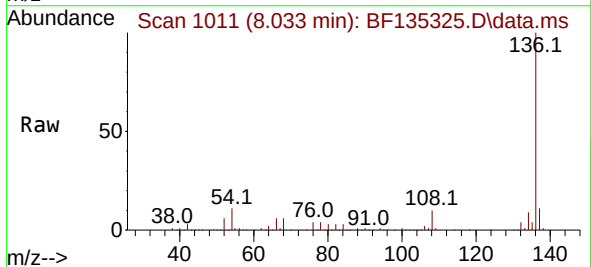
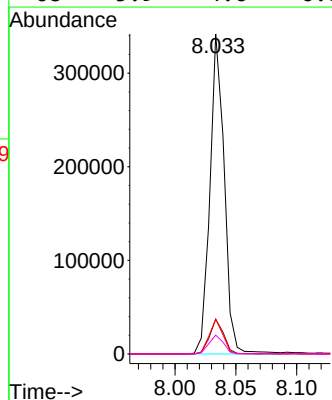
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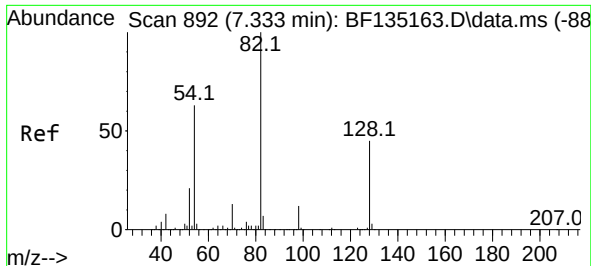
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Tgt Ion:136 Resp: 279681
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.9 7.7 11.5
68 5.9 4.6 6.8





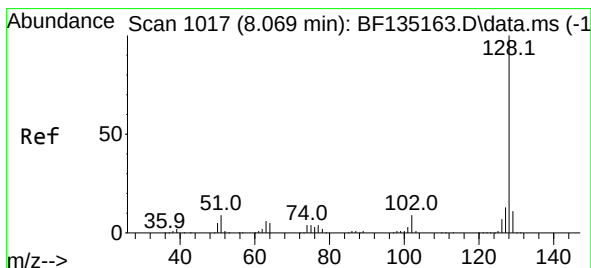
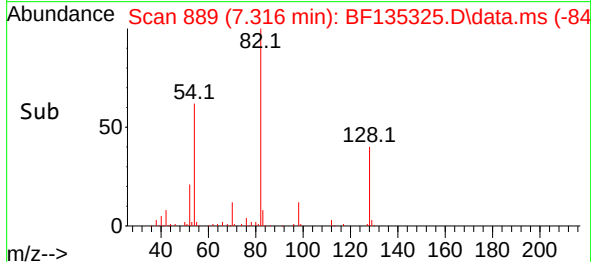
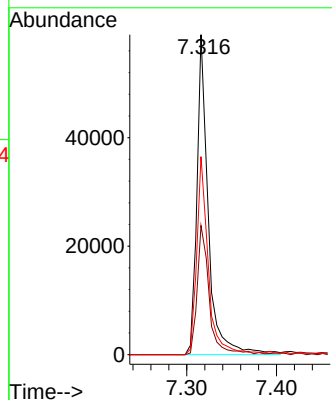
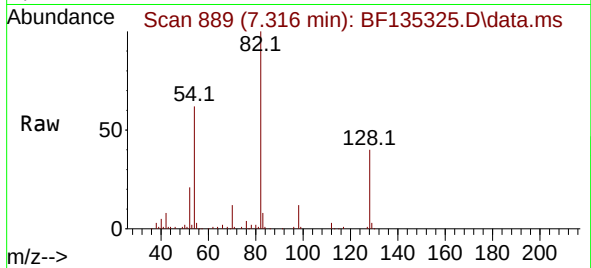
#23
Nitrobenzene-d5
Concen: 10.141 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

Tgt Ion: 82 Resp: 5220
Ion Ratio Lower Upper
82 100
128 40.4 35.8 53.6
54 61.9 50.6 76.0

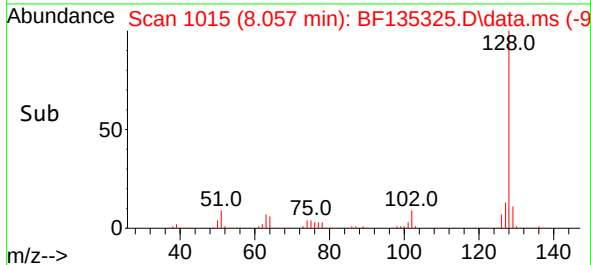
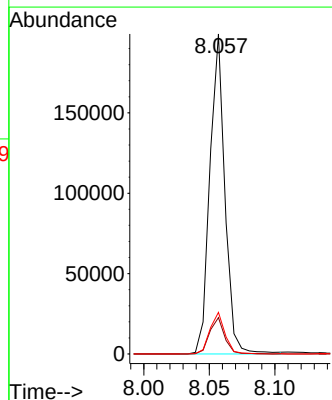
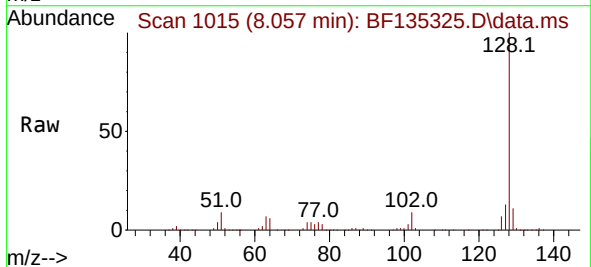
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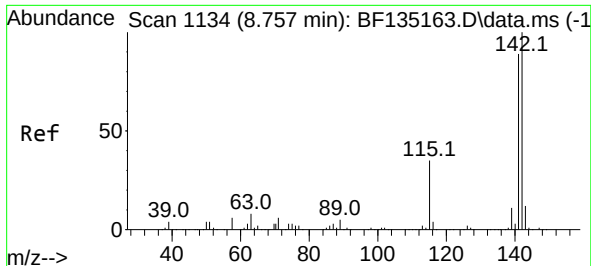
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#31
Naphthalene
Concen: 11.745 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Tgt Ion:128 Resp: 159603
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.0 10.7 16.1





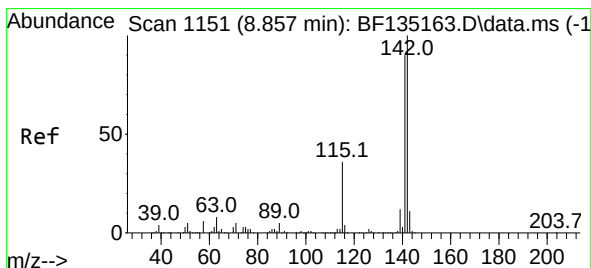
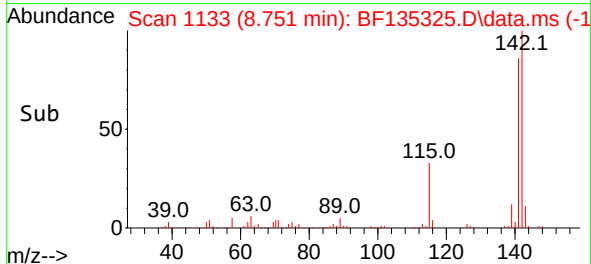
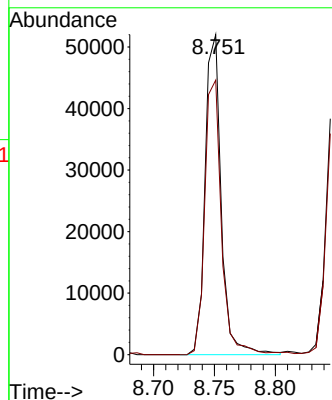
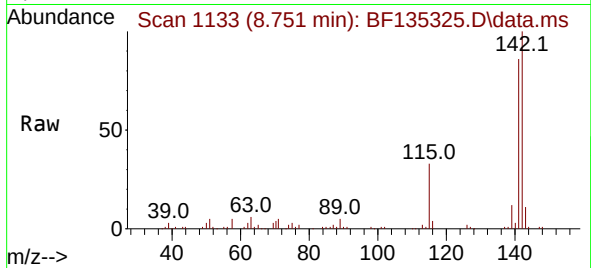
#37
2-Methylnaphthalene
Concen: 5.238 ng
RT: 8.751 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

Tgt Ion:142 Resp: 47850
Ion Ratio Lower Upper
142 100
141 85.8 71.0 106.6

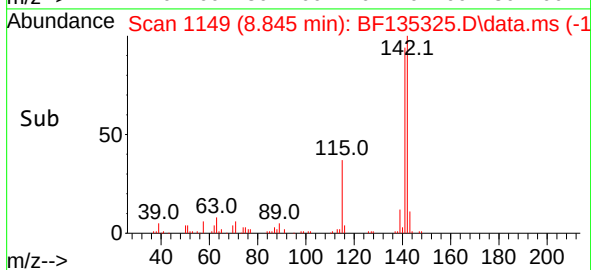
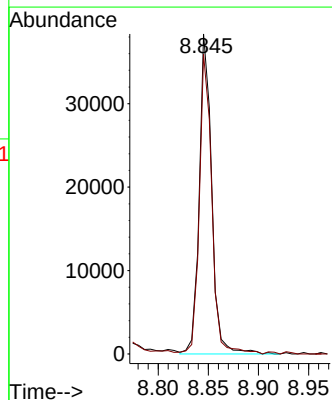
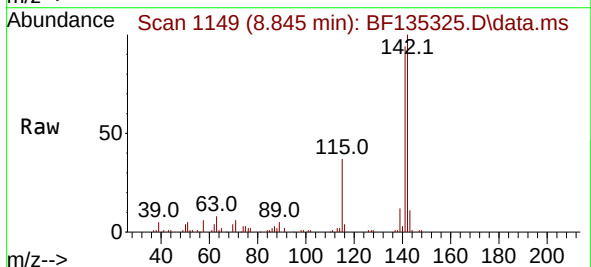
Manual Integrations
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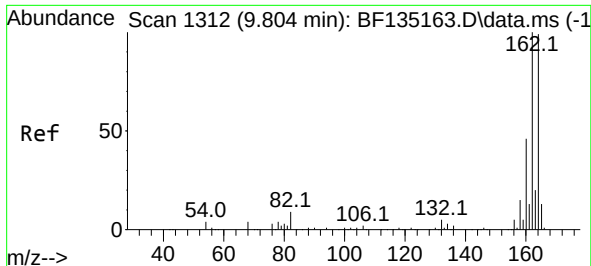
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#38
1-Methylnaphthalene
Concen: 3.893 ng
RT: 8.845 min Scan# 1149
Delta R.T. -0.012 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Tgt Ion:142 Resp: 33294
Ion Ratio Lower Upper
142 100
141 93.7 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135325.D

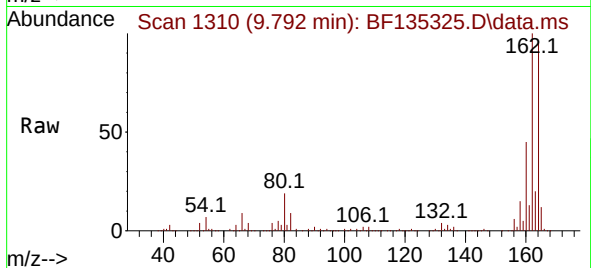
Acq: 19 Sep 2023 00:59

Instrument :

BNA_F

ClientSampleId :

HD-01-09132023



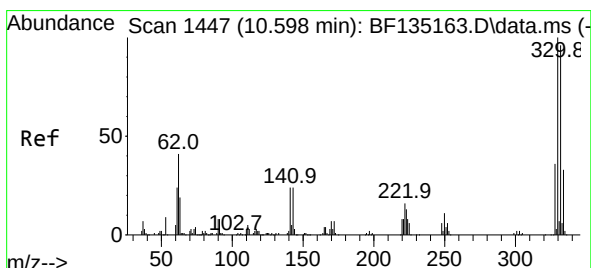
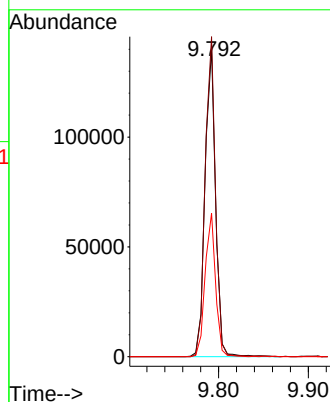
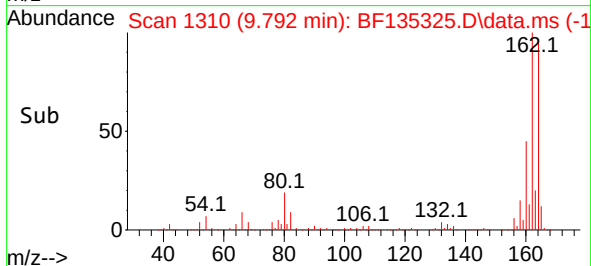
Tgt Ion:	164	Resp:	11431
Ion Ratio	100	Lower	Upper
164	100		
162	104.0	81.0	121.4
160	46.6	37.0	55.4

Manual Integrations

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Supervised By :mohammad ahmed 09/19/2023



#42

2,4,6-Tribromophenol

Concen: 12.744 ng

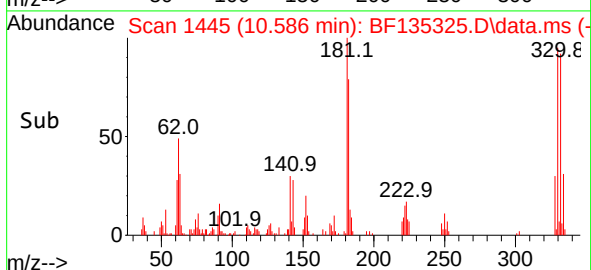
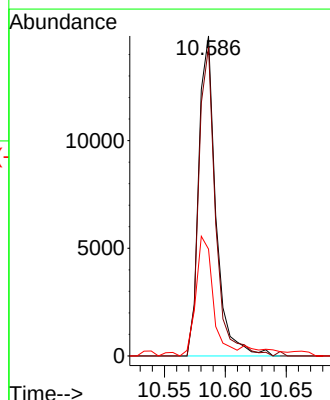
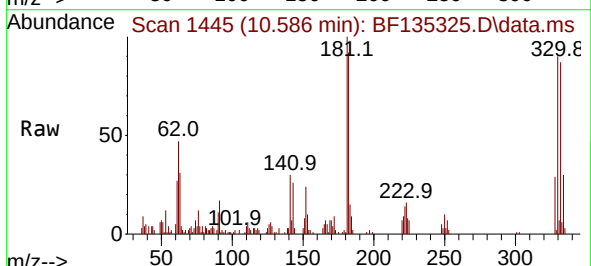
RT: 10.586 min Scan# 1445

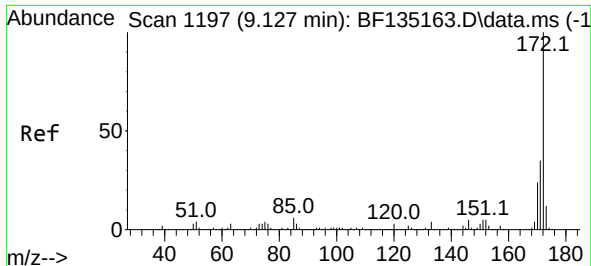
Delta R.T. -0.012 min

Lab File: BF135325.D

Acq: 19 Sep 2023 00:59

Tgt Ion:	330	Resp:	14477
Ion Ratio	100	Lower	Upper
330	100		
332	94.4	77.3	115.9
141	35.5	25.8	38.8





#45

2-Fluorobiphenyl

Concen: 11.298 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.018 min

Lab File: BF135325.D

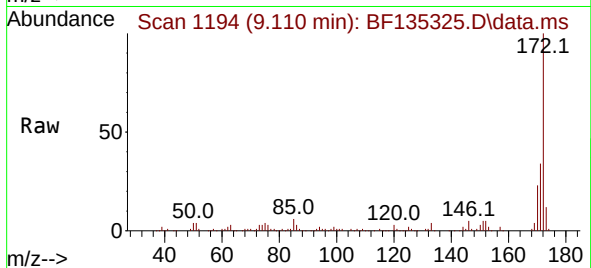
Acq: 19 Sep 2023 00:59

Instrument :

BNA_F

ClientSampleId :

HD-01-09132023



Tgt Ion:172 Resp: 85600

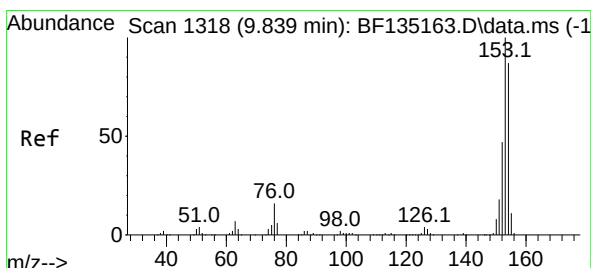
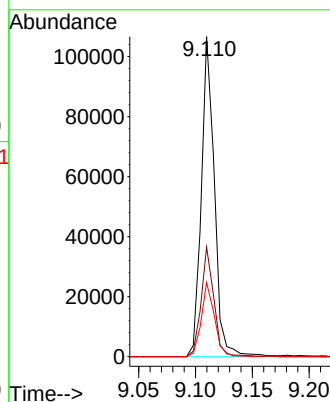
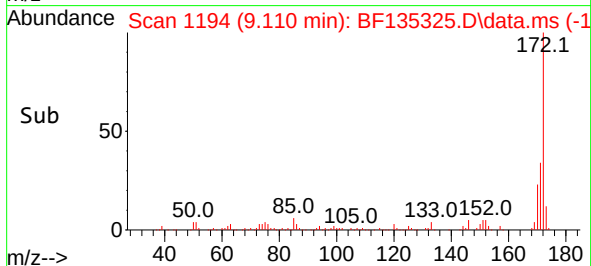
Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.4	42.6
170	23.1	19.0	28.4

Manual Integrations

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Supervised By :mohammad ahmed 09/19/2023



#52

Acenaphthene

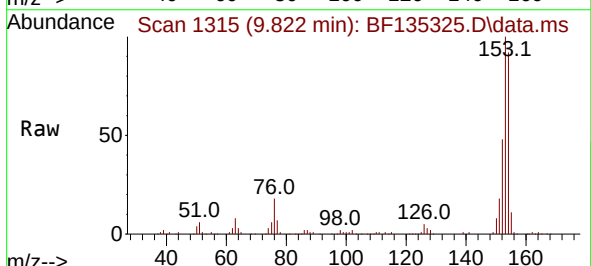
Concen: 12.857 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.017 min

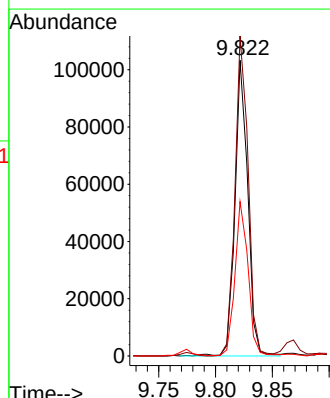
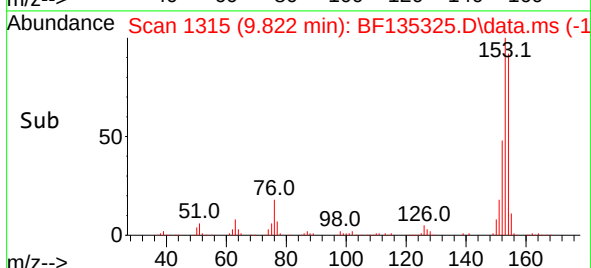
Lab File: BF135325.D

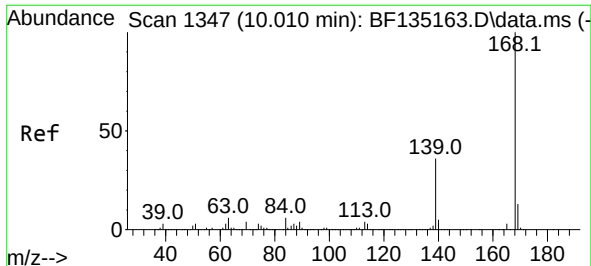
Acq: 19 Sep 2023 00:59



Tgt Ion:154 Resp: 80453

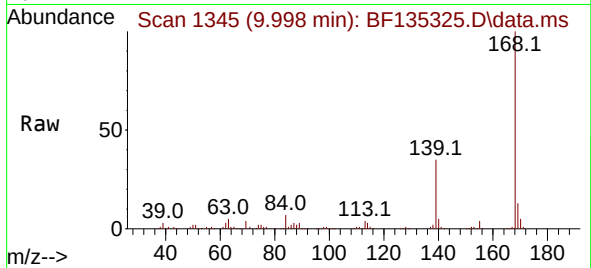
Ion	Ratio	Lower	Upper
154	100		
153	108.2	92.1	138.1
152	52.2	43.1	64.7





#55
Dibenzenofuran
Concen: 10.081 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

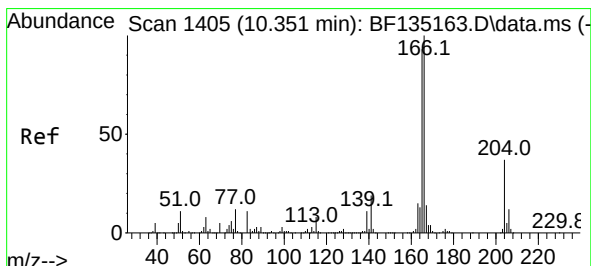
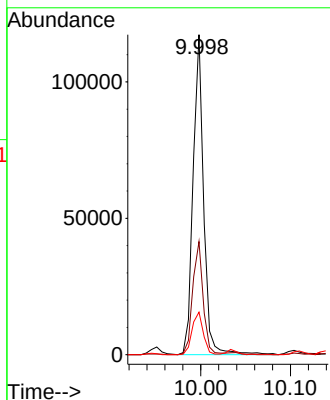
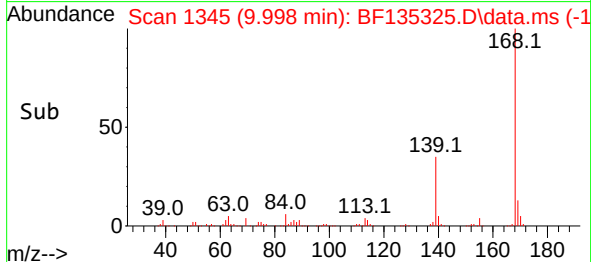
Instrument :
BNA_F
ClientSampleId :
HD-01-09132023



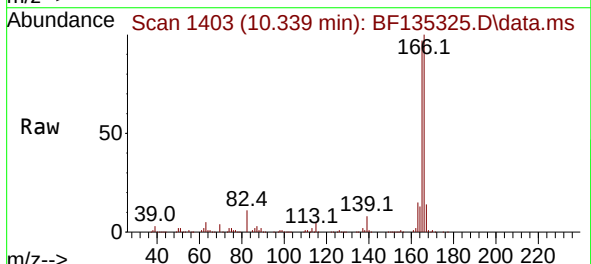
Tgt Ion:168 Resp: 9626
Ion Ratio Lower Upper
168 100
139 35.3 29.0 43.6
169 13.3 10.4 15.6

Manual Integrations
APPROVED

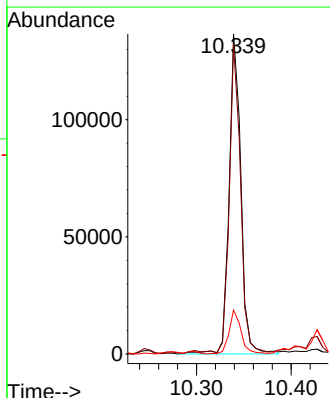
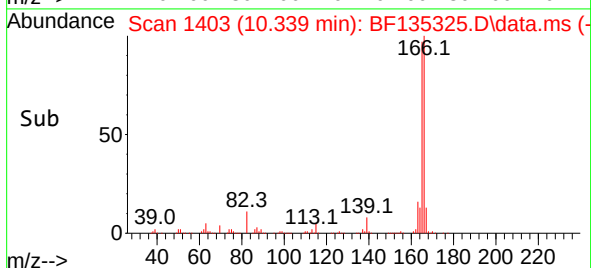
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

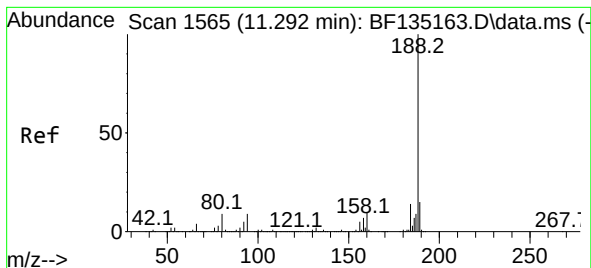


#58
Fluorene
Concen: 16.119 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59



Tgt Ion:166 Resp: 118328
Ion Ratio Lower Upper
166 100
165 96.8 74.3 111.5
167 13.7 10.9 16.3





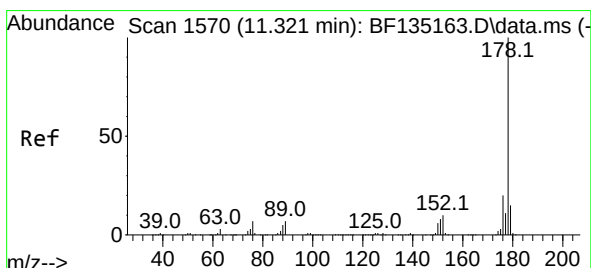
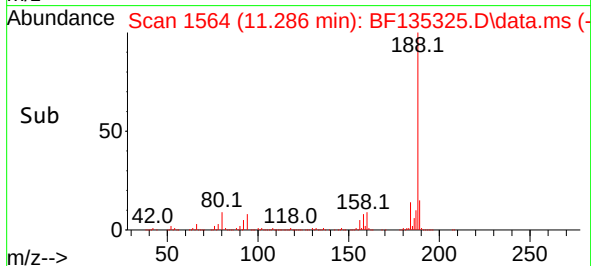
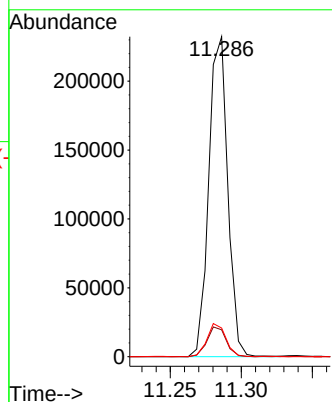
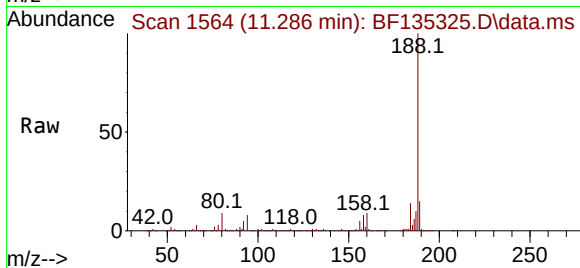
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

Tgt Ion:188 Resp: 21640
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.0 7.5 11.3

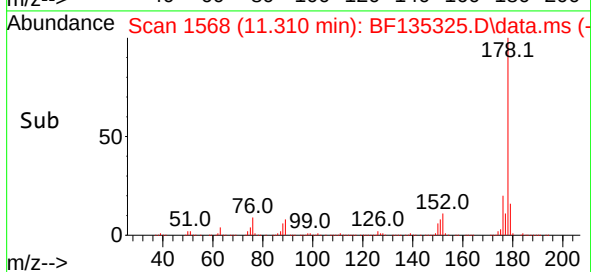
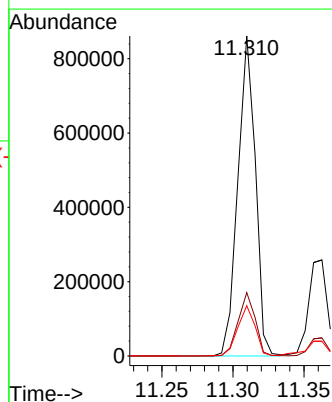
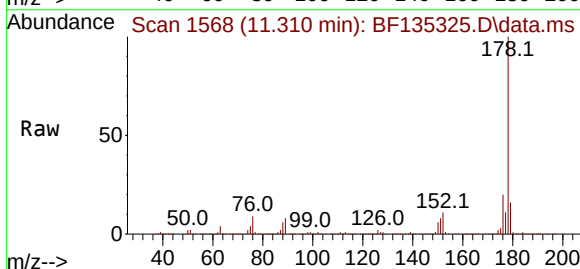
Manual Integrations
APPROVED

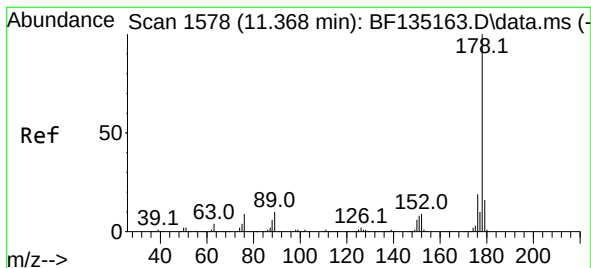
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#71
Phenanthrene
Concen: 72.297 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Tgt Ion:178 Resp: 739947
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.7 12.0 18.0





#72

Anthracene

Concen: 22.042 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135325.D

Acq: 19 Sep 2023 00:59

Instrument :

BNA_F

ClientSampleId :

HD-01-09132023

Tgt Ion:178 Resp: 23189

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

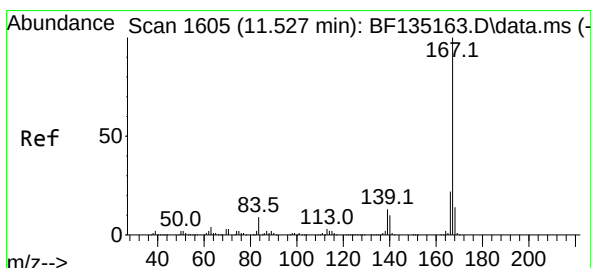
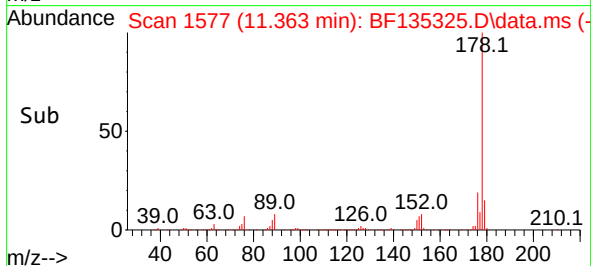
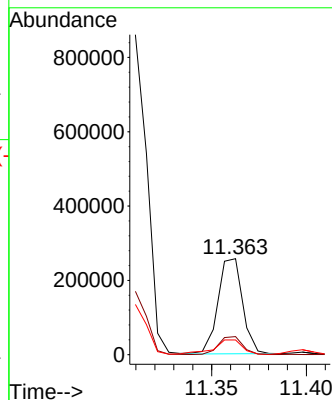
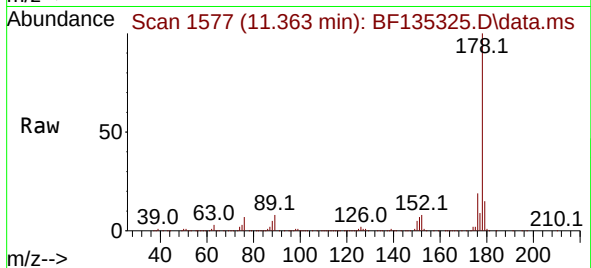
179 15.3 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#73

Carbazole

Concen: 7.327 ng

RT: 11.521 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BF135325.D

Acq: 19 Sep 2023 00:59

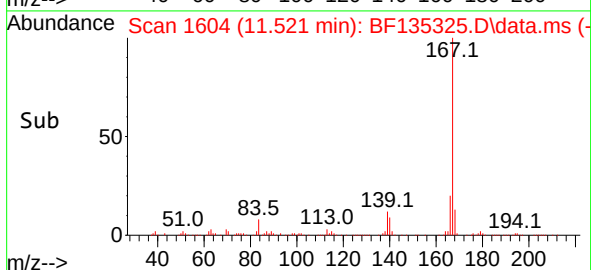
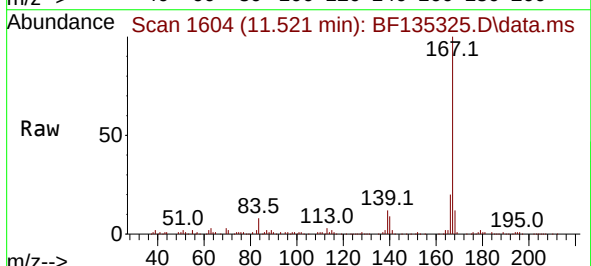
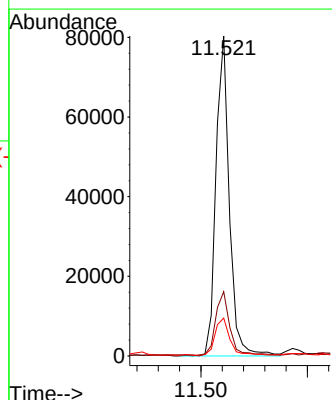
Tgt Ion:167 Resp: 70170

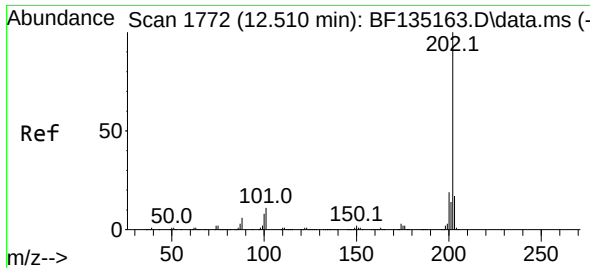
Ion Ratio Lower Upper

167 100

166 20.1 17.4 26.0

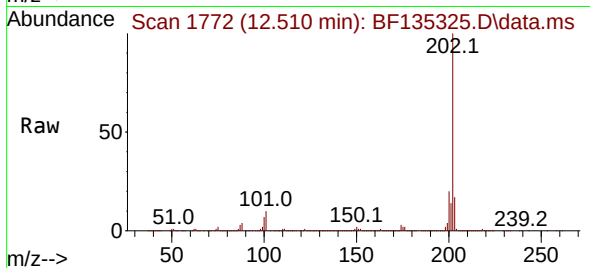
139 11.9 10.6 15.8





#75
Fluoranthene
Concen: 86.983 ng
RT: 12.510 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

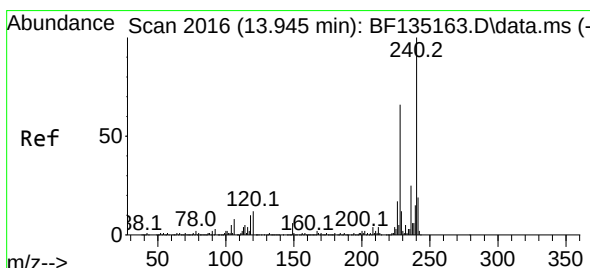
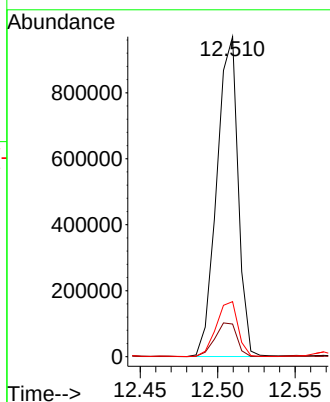
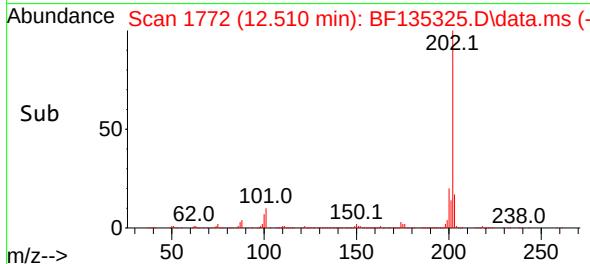
Instrument :
BNA_F
ClientSampleId :
HD-01-09132023



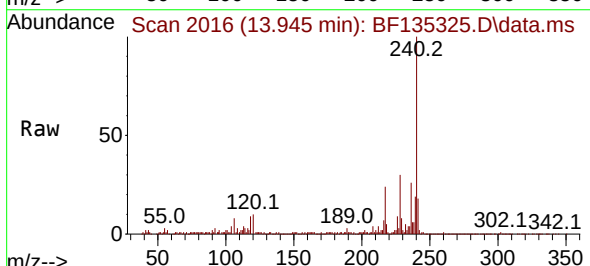
Tgt Ion:202 Resp: 92764
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.3
203 17.2 0.0 37.4

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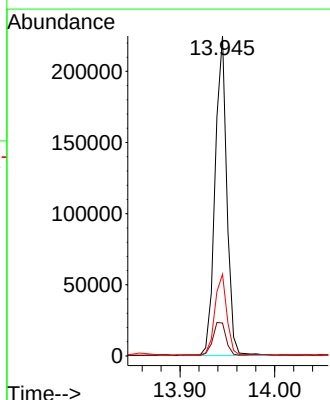
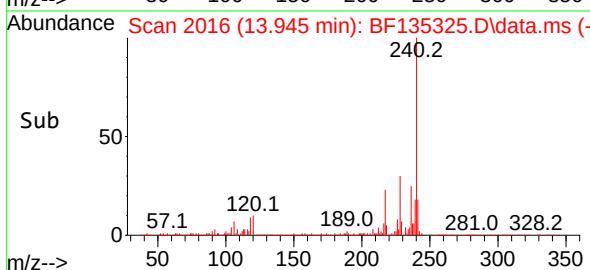
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

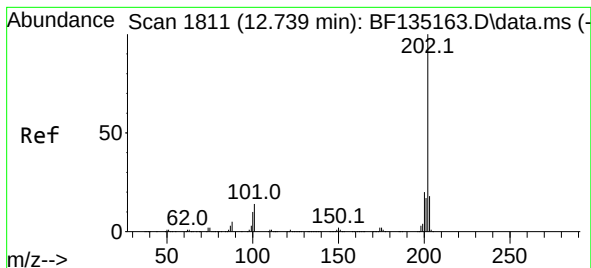


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59



Tgt Ion:240 Resp: 194003
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 25.6 19.8 29.8





#78

Pyrene

Concen: 45.383 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135325.D

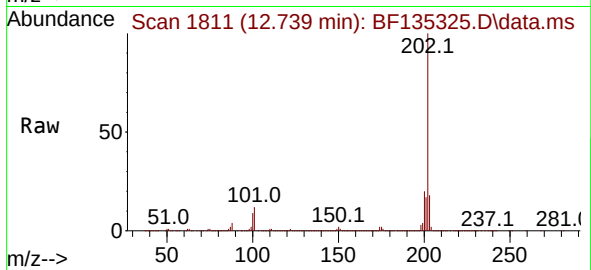
Acq: 19 Sep 2023 00:59

Instrument :

BNA_F

ClientSampleId :

HD-01-09132023



Tgt Ion:202 Resp: 838249

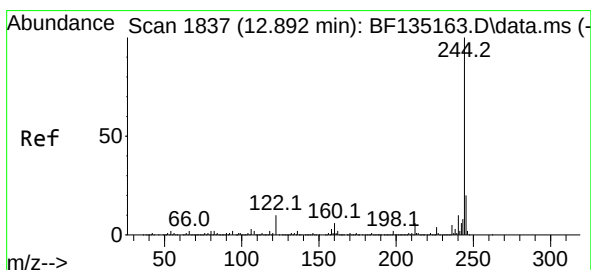
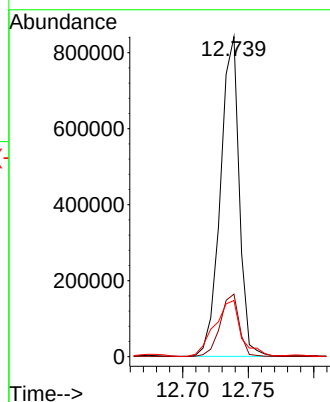
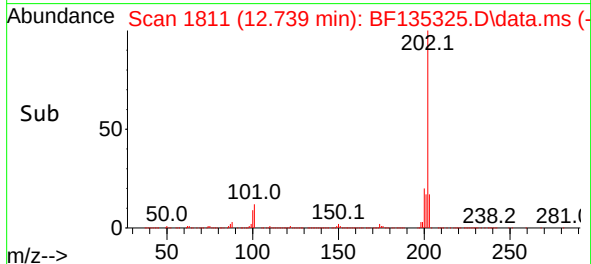
Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.2	24.2
203	17.6	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#79

Terphenyl-d14

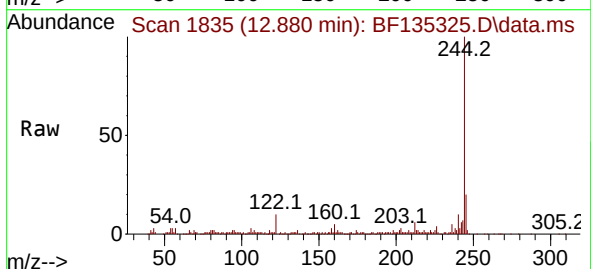
Concen: 7.240 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

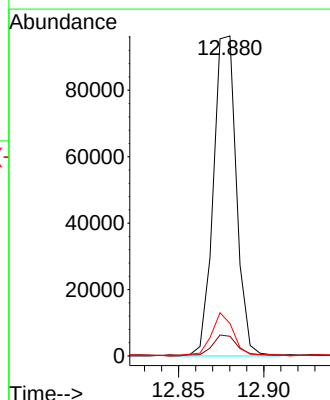
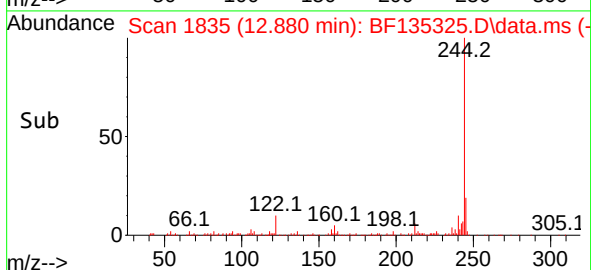
Lab File: BF135325.D

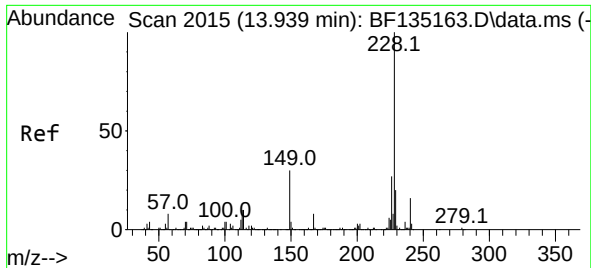
Acq: 19 Sep 2023 00:59



Tgt Ion:244 Resp: 90602

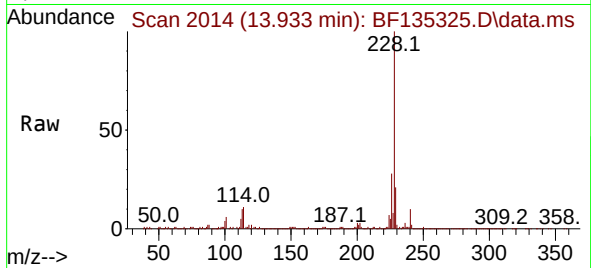
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.1	7.7
122	10.1	7.9	11.9





#81
Benzo(a)anthracene
Concen: 33.617 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

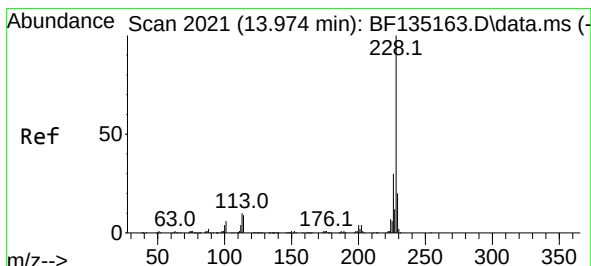
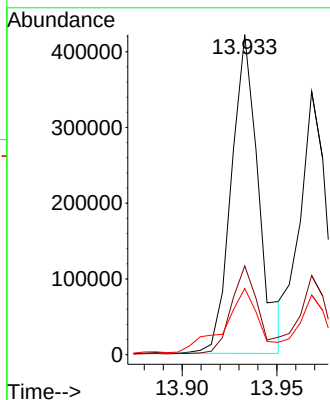
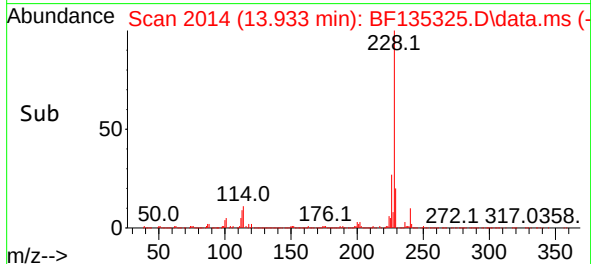
Instrument :
BNA_F
ClientSampleId :
HD-01-09132023



Tgt Ion:228 Resp: 421125
Ion Ratio Lower Upper
228 100
226 27.8 21.7 32.5
229 20.7 15.8 23.8

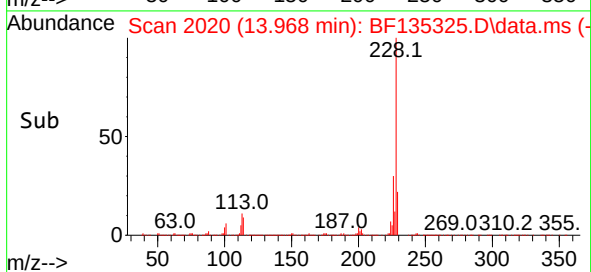
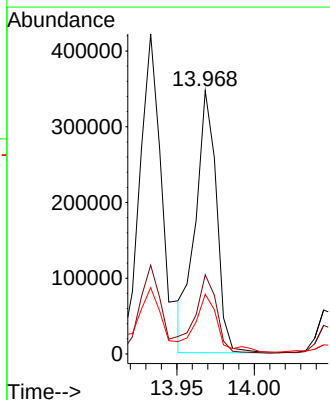
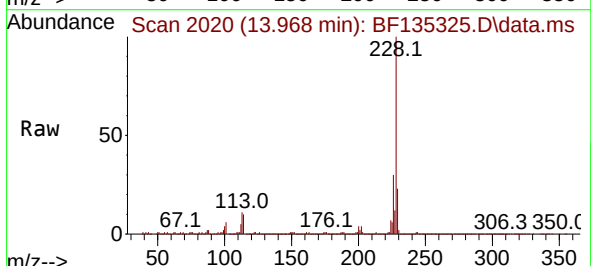
Manual Integrations
APPROVED

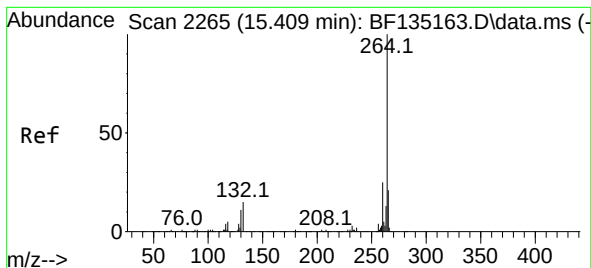
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#83
Chrysene
Concen: 26.359 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Tgt Ion:228 Resp: 328307
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 22.7 16.0 24.0





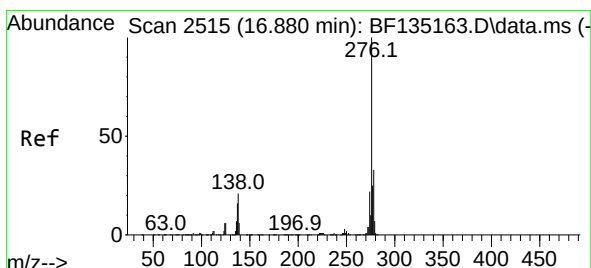
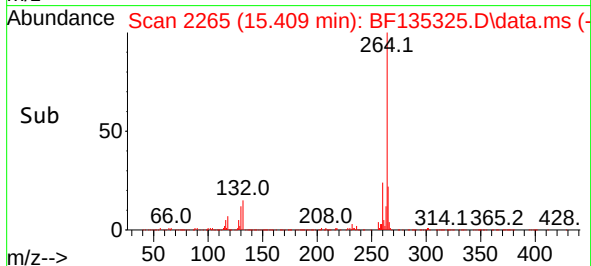
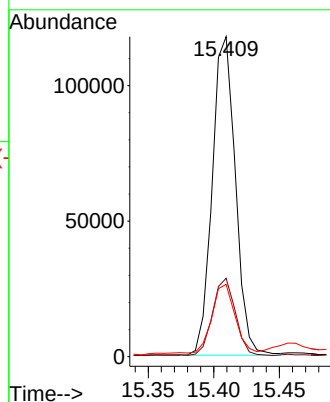
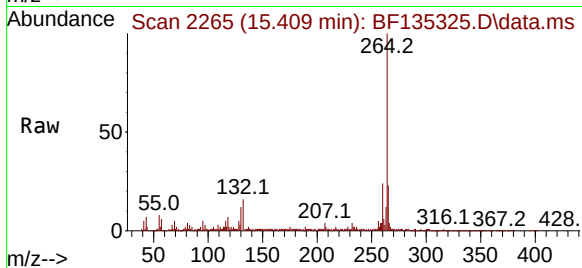
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

Tgt Ion:264 Resp: 14450
Ion Ratio Lower Upper
264 100
260 24.5 19.8 29.6
265 22.6 17.0 25.4

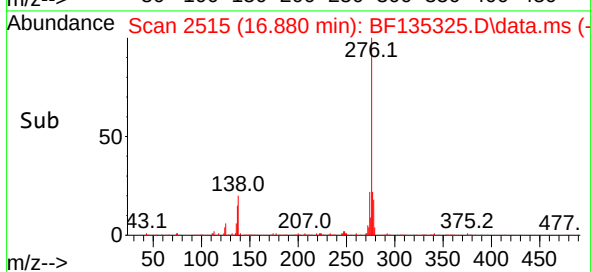
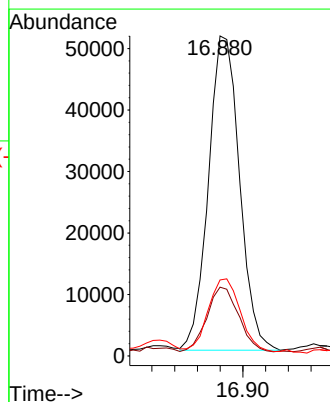
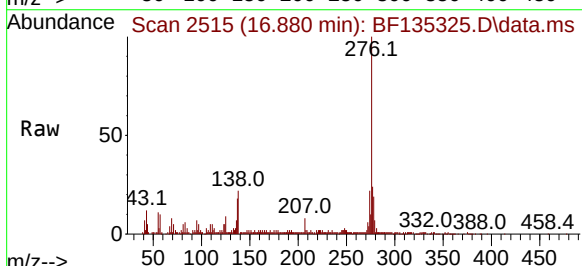
Manual Integrations
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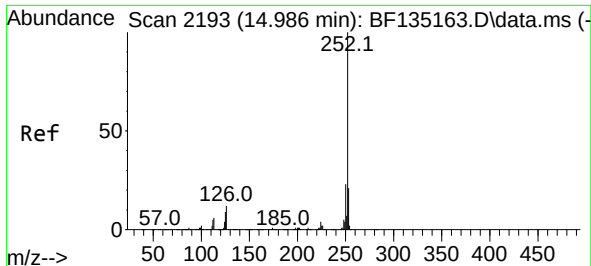
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.258 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

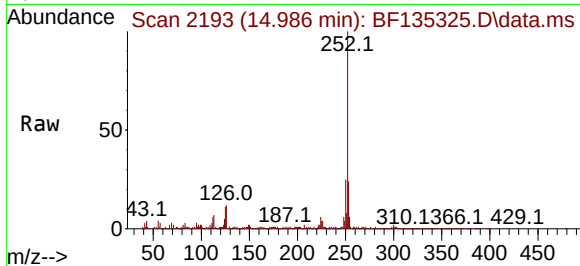
Tgt Ion:276 Resp: 97196
Ion Ratio Lower Upper
276 100
138 21.2 19.2 28.8
277 24.1 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 41.665 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

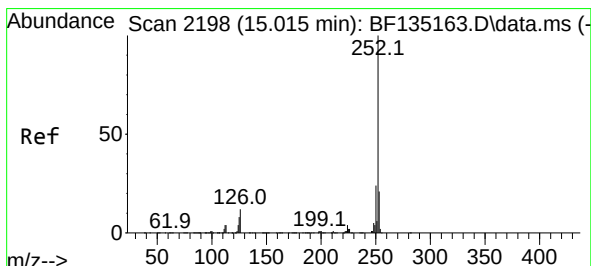
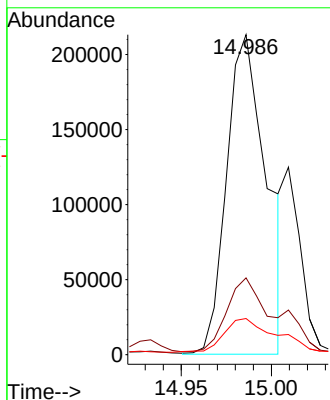
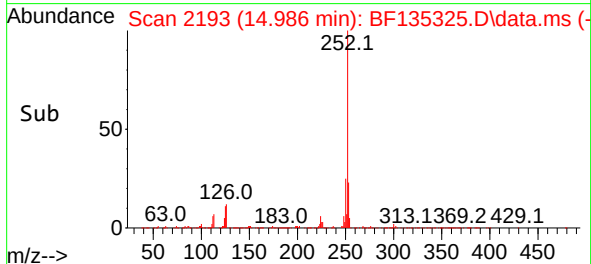
Instrument :
BNA_F
ClientSampleId :
HD-01-09132023



Tgt Ion:252 Resp: 32593
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 11.3 7.1 10.7

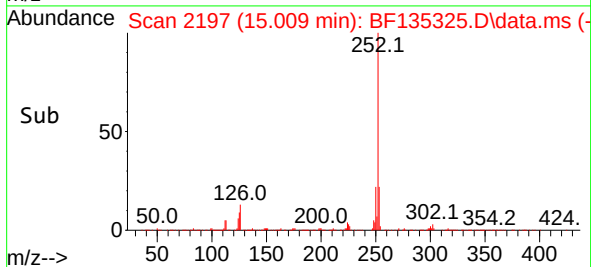
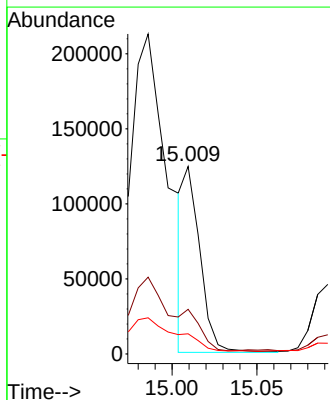
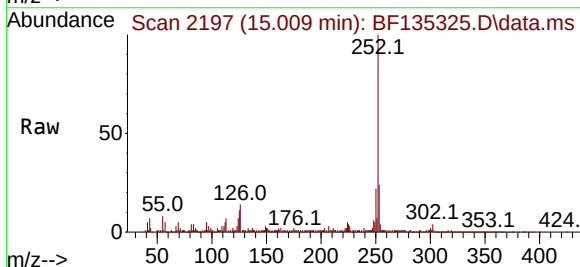
Manual Integrations
APPROVED

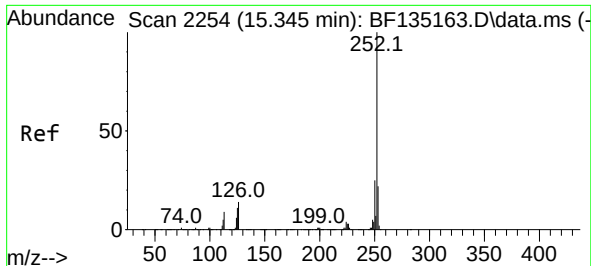
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#89
Benzo(k)fluoranthene
Concen: 10.824 ng m
RT: 15.009 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Tgt Ion:252 Resp: 83644
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 10.8 7.2 10.8





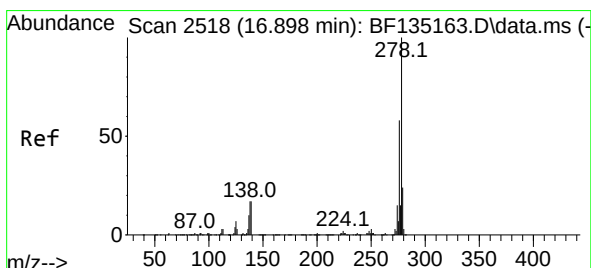
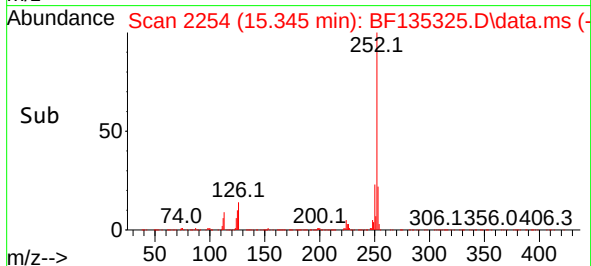
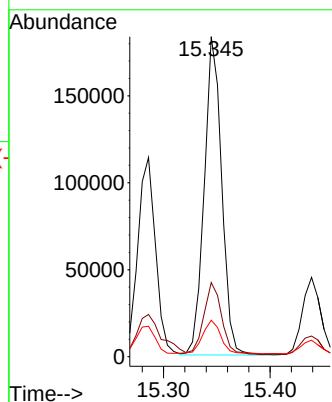
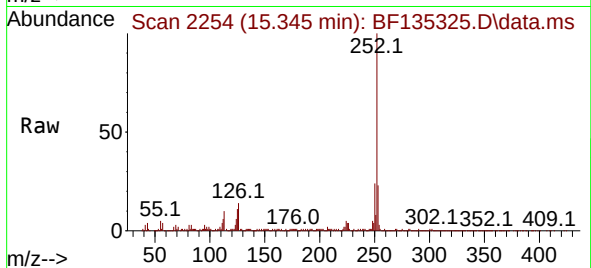
#90
Benzo(a)pyrene
Concen: 28.074 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

Tgt Ion:252 Resp: 20943
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.4 9.2 13.8

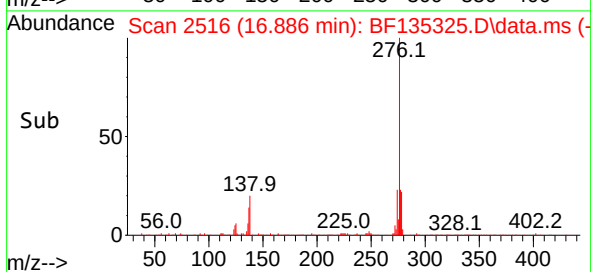
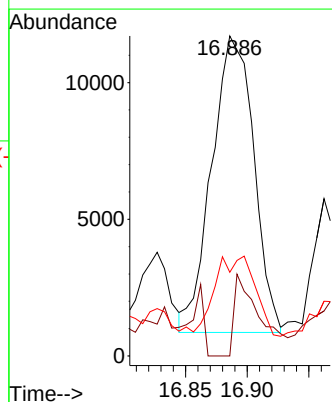
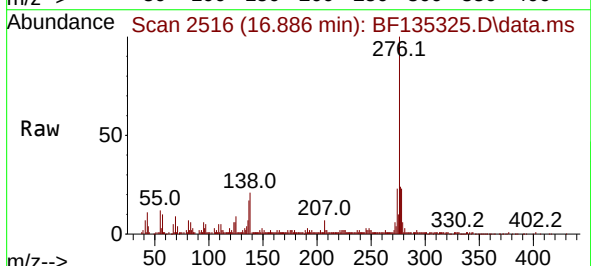
Manual Integrations
APPROVED

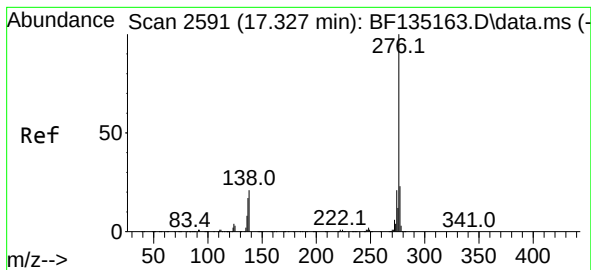
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.316 ng m
RT: 16.886 min Scan# 2516
Delta R.T. -0.012 min
Lab File: BF135325.D
Acq: 19 Sep 2023 00:59

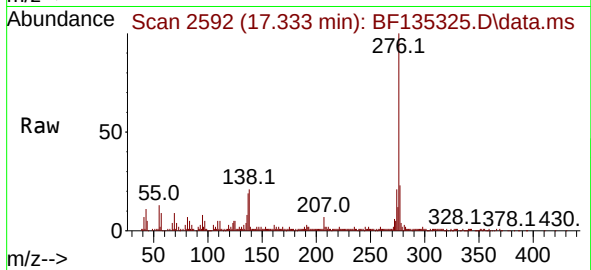
Tgt Ion:278 Resp: 25705
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.0#
279 26.1 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 12.156 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135325.D
 Acq: 19 Sep 2023 00:59

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-09132023



Tgt Ion: 276 Resp: 9842

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	20.6	16.9	25.3

Manual Integrations
 APPROVED

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

