

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135536.D
 Acq On : 02 Oct 2023 19:50
 Operator : CG\JU
 Sample : 04668-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251354

Manual Integrations
 APPROVED

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

Quant Time: Oct 03 02:57:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	137429	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	460969	20.000	ng	# 0.00
39) Acenaphthene-d10	9.792	164	111991	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	81680	20.000	ng	# 0.07
76) Chrysene-d12	13.968	240	165851	20.000	ng	# 0.04
86) Perylene-d12	15.415	264	202838	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	797255	94.354	ng	0.00
7) Phenol-d6	6.398	99	988063	91.962	ng	0.00
23) Nitrobenzene-d5	7.310	82	552135	65.074	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	84113	75.579	ng	0.04
45) 2-Fluorobiphenyl	9.104	172	697069	93.908	ng	0.00
79) Terphenyl-d14	12.939	244	335196	31.330	ng	0.06
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.204	154	21021	2.443	ng	84
52) Acenaphthene	9.827	154	50516	8.240	ng	# 78
55) Dibenzofuran	10.004	168	59825	6.395	ng	# 15
71) Phenanthrene	11.369	178	153526	39.742	ng	# 36
75) Fluoranthene	12.586	202	180013	44.720	ng	85
78) Pyrene	12.810	202	147681	9.353	ng	# 87
81) Benzo(a)anthracene	13.957	228	82644	7.717	ng	# 89
83) Chrysene	13.998	228	96536	9.066	ng	# 93
84) Bis(2-ethylhexyl)phtha...	13.933	149	426696	74.793	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	36903	2.775	ng	98
88) Benzo(b)fluoranthene	14.992	252	114743m	10.450	ng	
89) Benzo(k)fluoranthene	15.015	252	33097m	3.051	ng	
90) Benzo(a)pyrene	15.356	252	52733	5.036	ng	# 79
92) Benzo(g,h,i)perylene	17.339	276	36928	3.249	ng	# 91

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

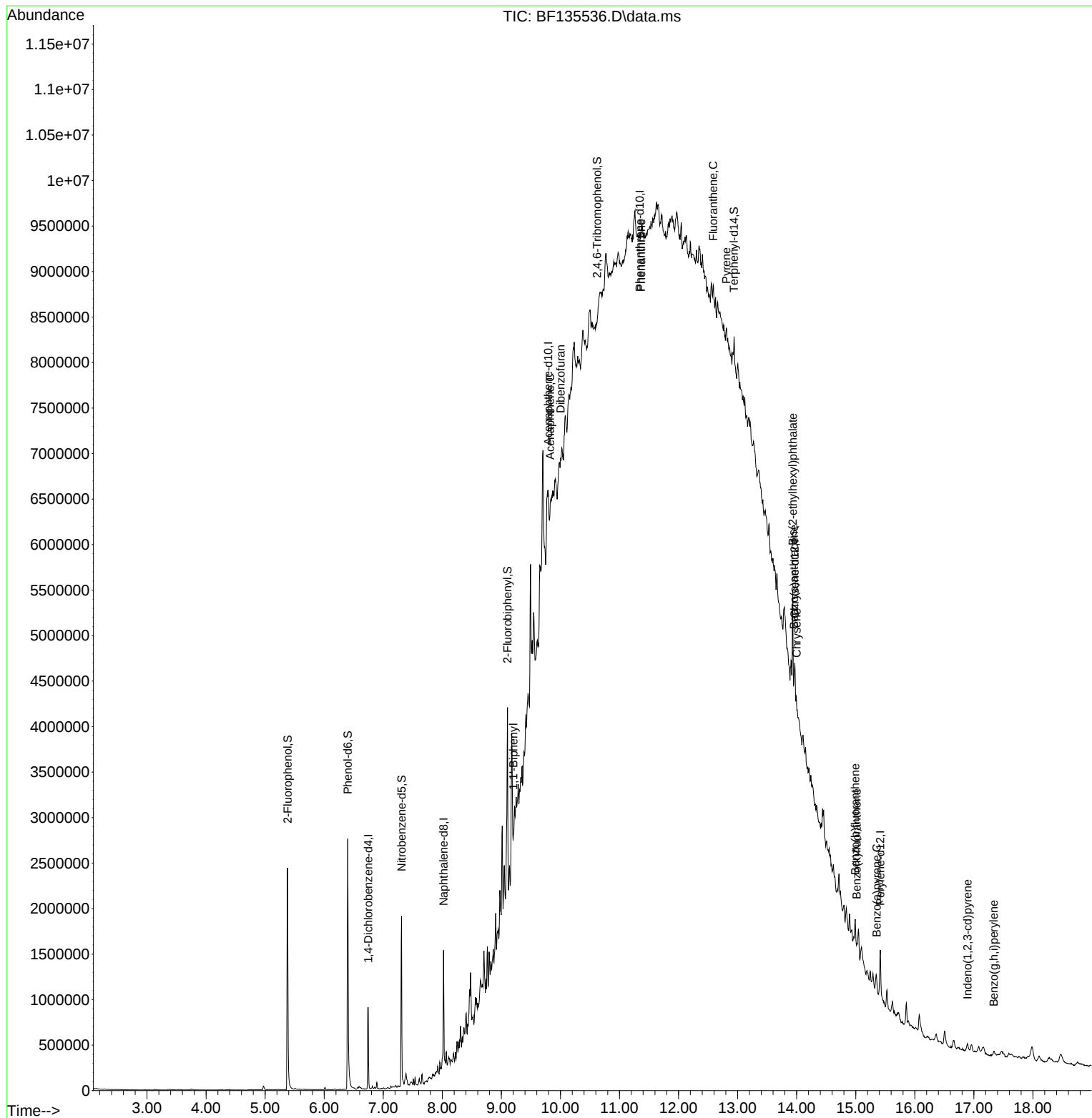
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
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Sample : 04668-09
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ALS Vial : 14 Sample Multiplier: 1

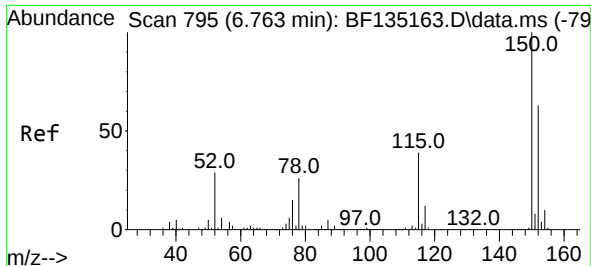
Instrument :
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Quant Time: Oct 03 02:57:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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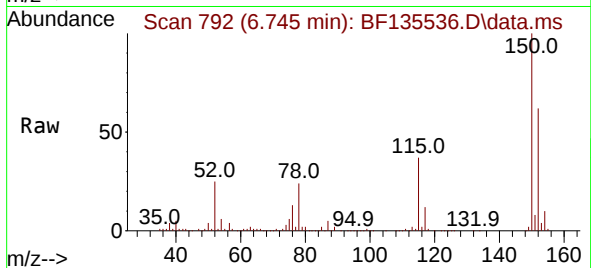
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

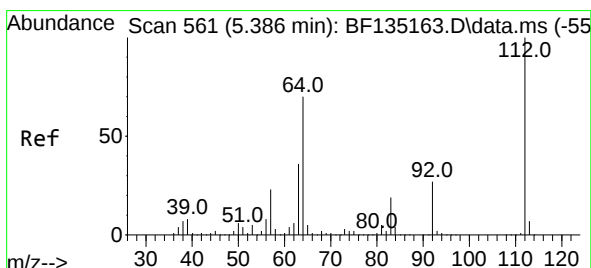
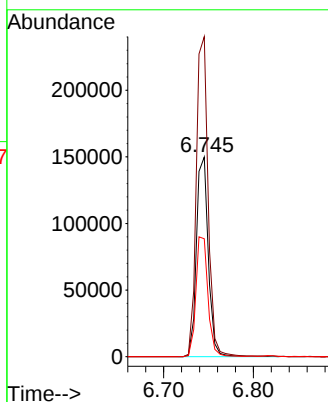
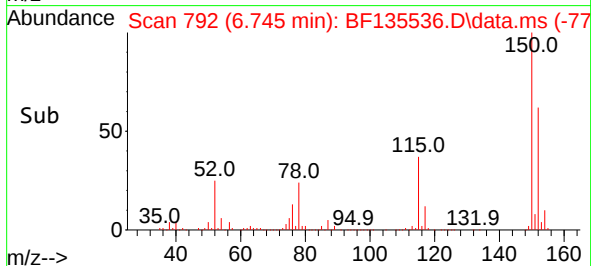
Instrument :
BNA_F
ClientSampleId :
RBR251354



Tgt Ion:152 Resp: 137429
Ion Ratio Lower Upper
152 100
150 160.3 127.8 191.6
115 59.1 49.8 74.8

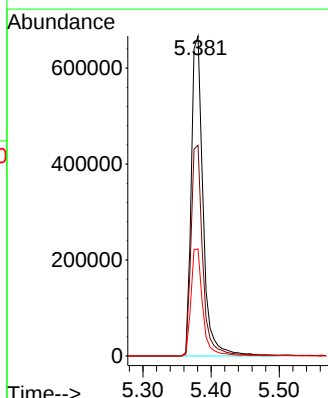
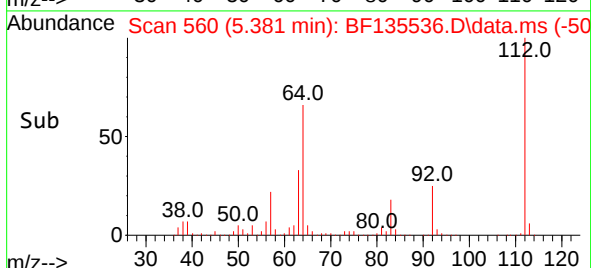
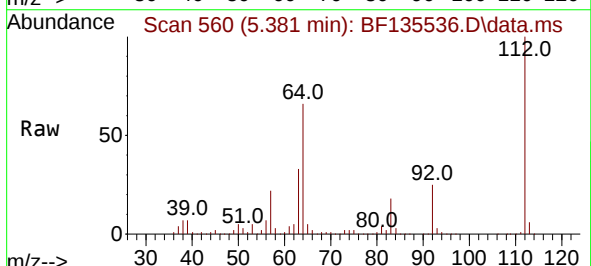
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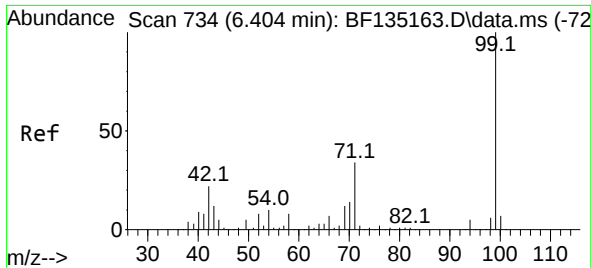
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#5
2-Fluorophenol
Concen: 94.354 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Tgt Ion:112 Resp: 797255
Ion Ratio Lower Upper
112 100
64 65.8 55.9 83.9
63 33.5 29.0 43.6





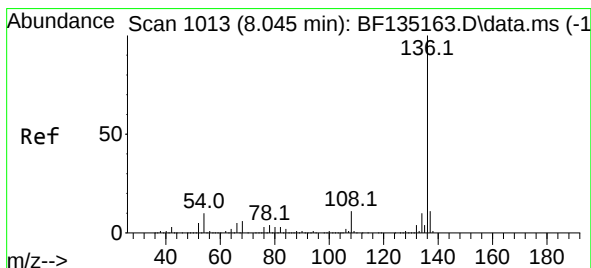
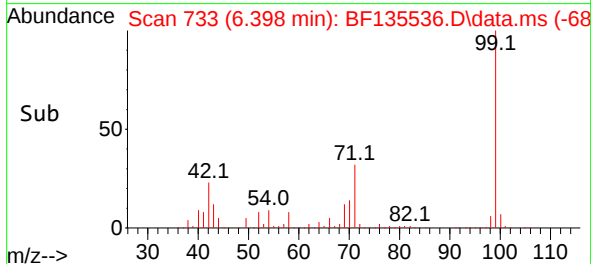
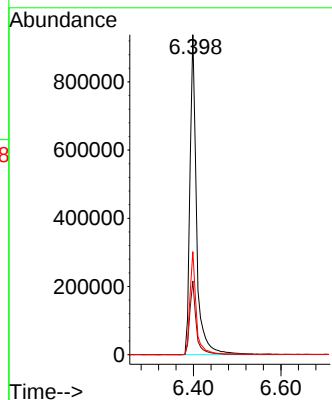
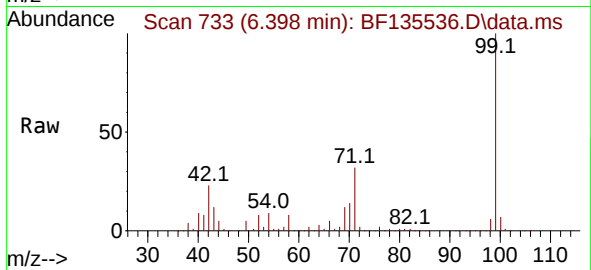
#7
Phenol-d6
Concen: 91.962 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Instrument :
BNA_F
ClientSampleId :
RBR251354

Tgt Ion: 99 Resp: 98806
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 32.2 27.0 40.6

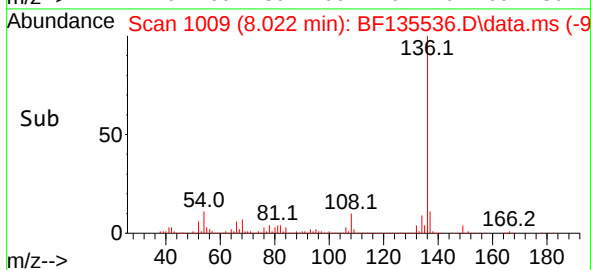
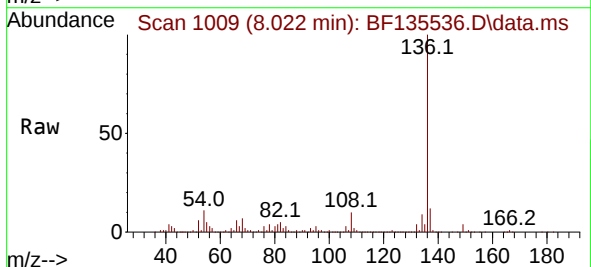
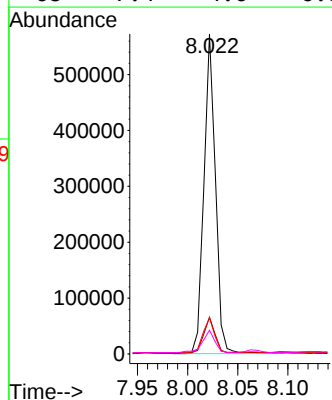
Manual Integrations
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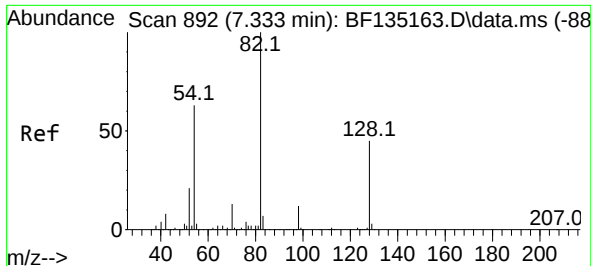
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Tgt Ion:136 Resp: 460969
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 11.3 7.7 11.5
68 7.4 4.6 6.8#





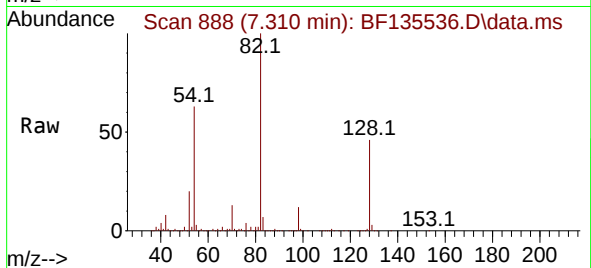
#23
Nitrobenzene-d5
Concen: 65.074 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Instrument :

BNA_F

ClientSampleId :

RBR251354

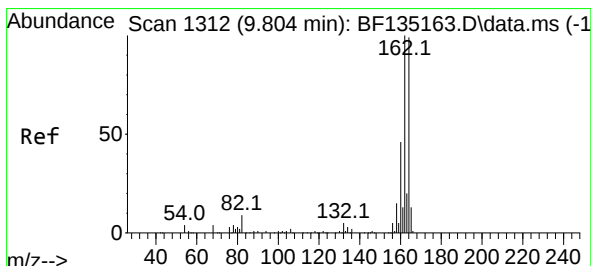
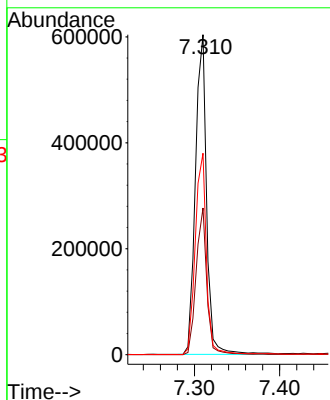
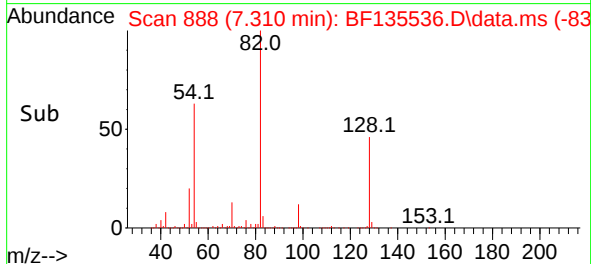


Tgt Ion: 82 Resp: 552135
Ion Ratio Lower Upper
82 100
128 45.8 35.8 53.6
54 63.0 50.6 76.0

Manual Integrations

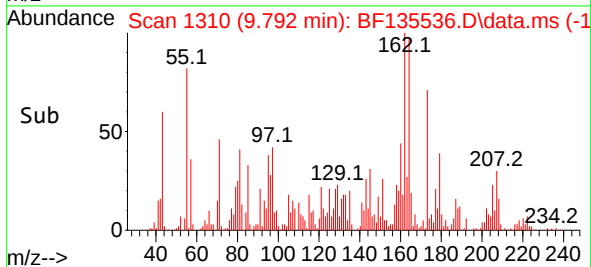
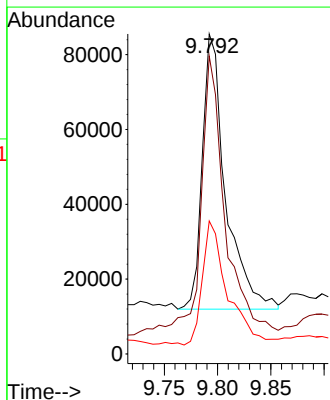
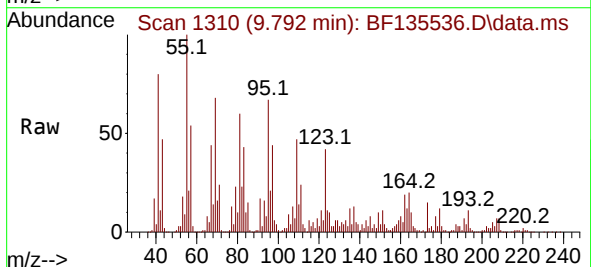
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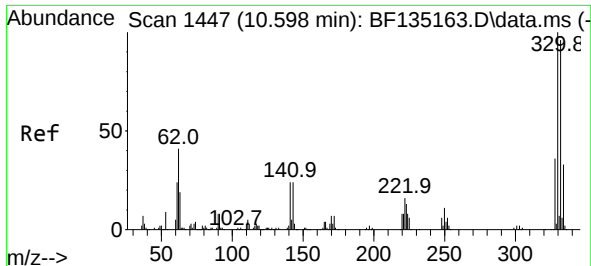
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.006 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

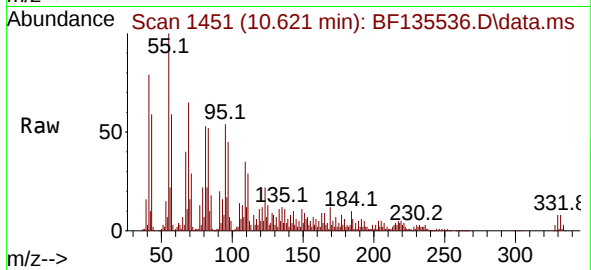
Tgt Ion:164 Resp: 111991
Ion Ratio Lower Upper
164 100
162 93.1 81.0 121.4
160 41.5 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 75.579 ng
RT: 10.621 min Scan# 1447
Delta R.T. 0.041 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

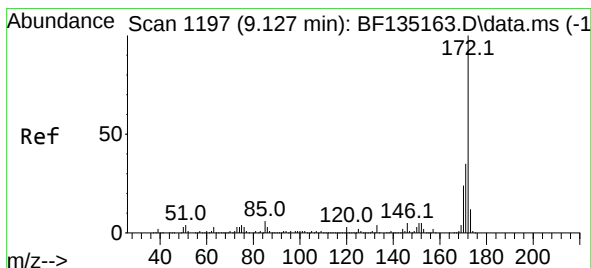
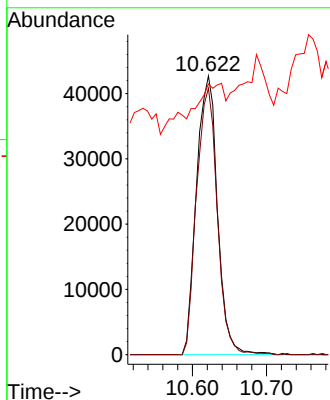
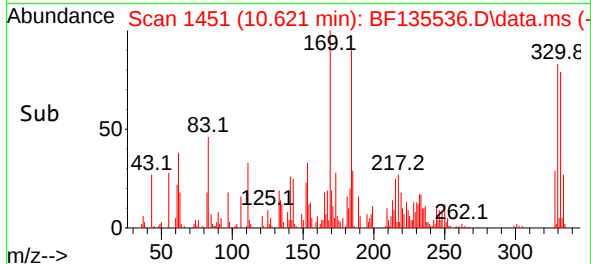
Instrument :
BNA_F
ClientSampleId :
RBR251354



Tgt Ion: 330 Resp: 8411
Ion Ratio Lower Upper
330 100
332 94.5 77.3 115.9
141 20.9 25.8 38.8

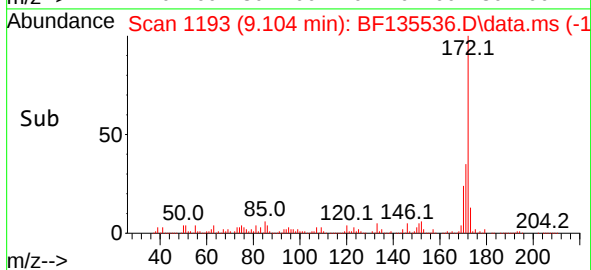
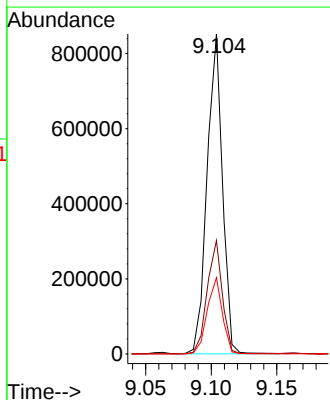
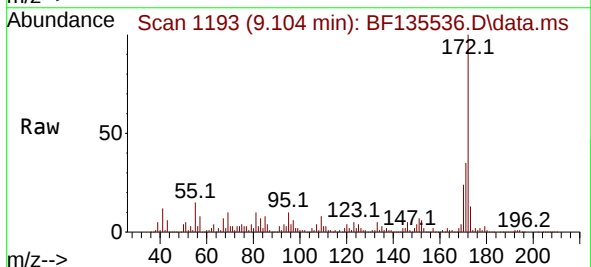
Manual Integrations
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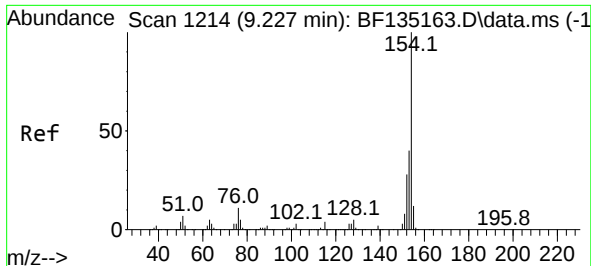
Reviewed By : Yogesh Patel 10/03/2023
Supervised By : mohammad ahmed 10/04/2023



#45
2-Fluorobiphenyl
Concen: 93.908 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Tgt Ion: 172 Resp: 697069
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.8 19.0 28.4





#46
1,1'-Biphenyl
Concen: 2.443 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Instrument :

BNA_F

ClientSampleId :

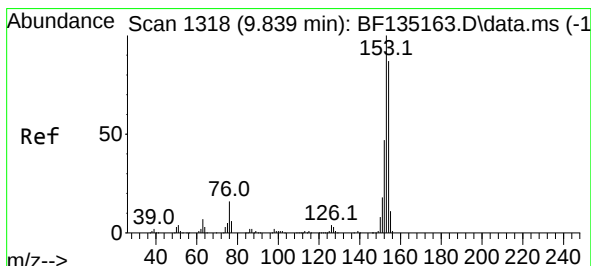
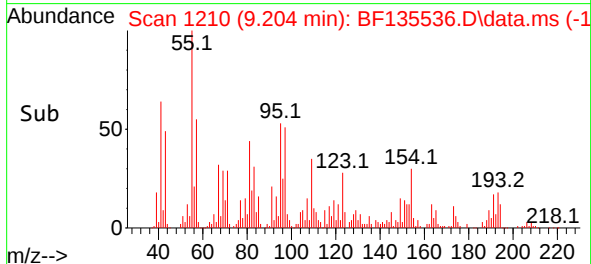
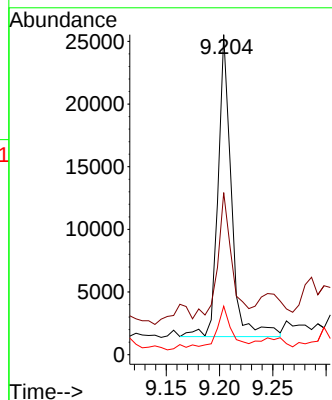
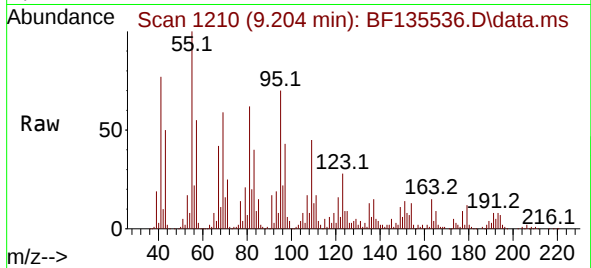
RBR251354

Tgt Ion:154 Resp: 2102
Ion Ratio Lower Upper
154 100
153 50.7 19.6 59.6
76 15.2 0.0 31.0

Manual Integrations

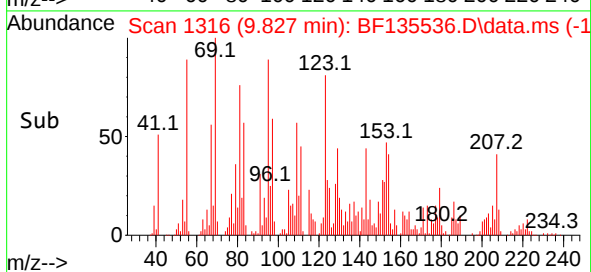
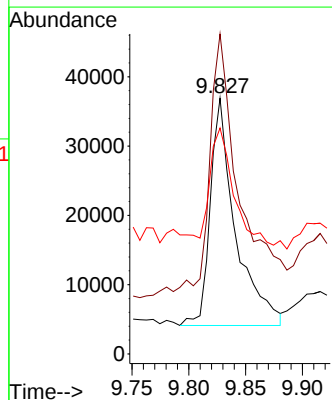
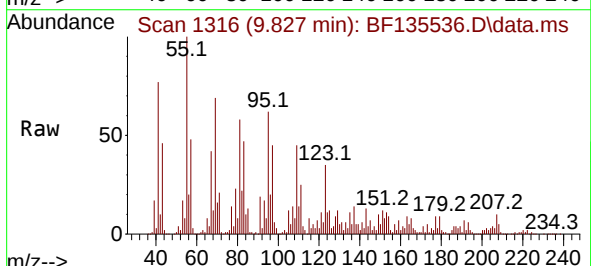
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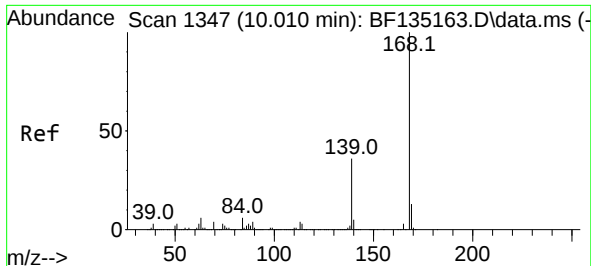
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#52
Acenaphthene
Concen: 8.240 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

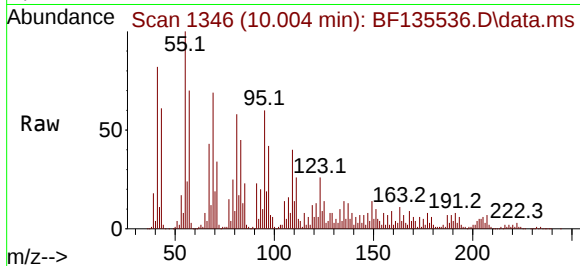
Tgt Ion:154 Resp: 50516
Ion Ratio Lower Upper
154 100
153 125.1 92.1 138.1
152 88.3 43.1 64.7#





#55
Dibenzenofuran
Concen: 6.395 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

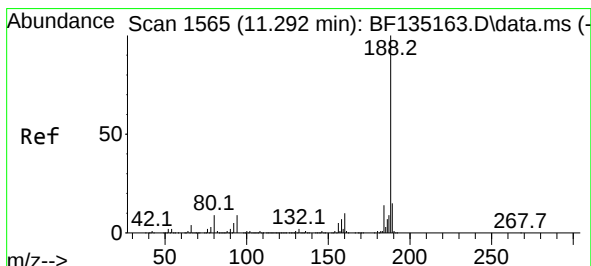
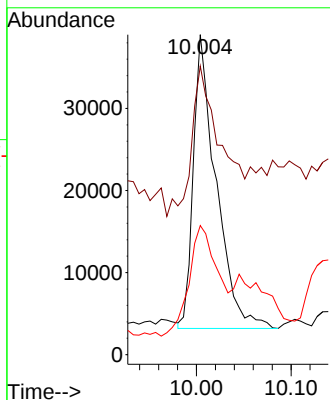
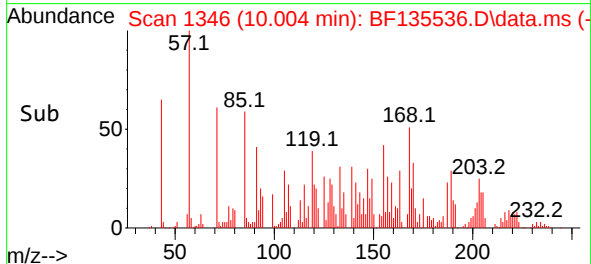
Instrument :
BNA_F
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RBR251354



Tgt Ion:168 Resp: 5982
Ion Ratio Lower Upper
168 100
139 90.2 29.0 43.6
169 40.4 10.4 15.6

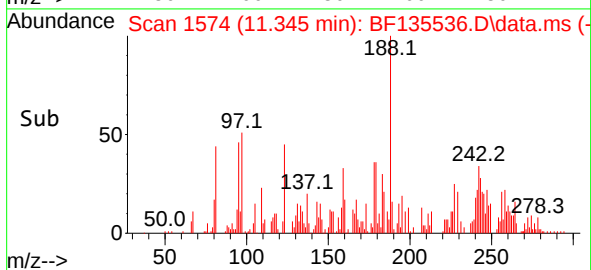
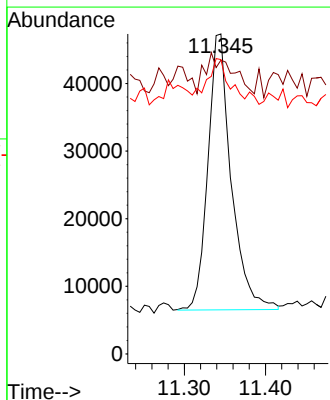
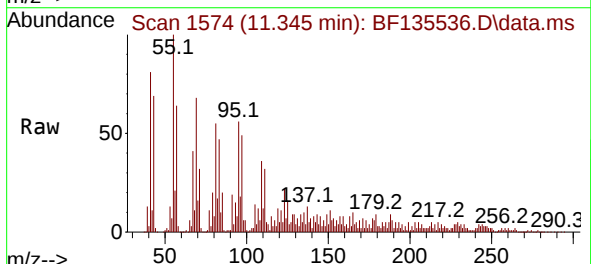
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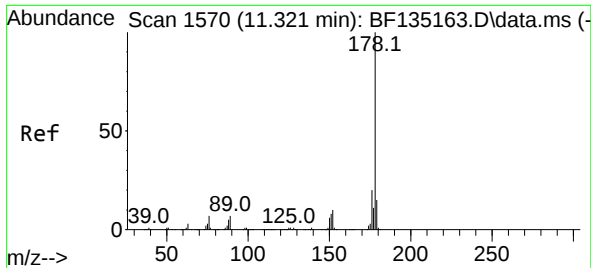
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.071 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

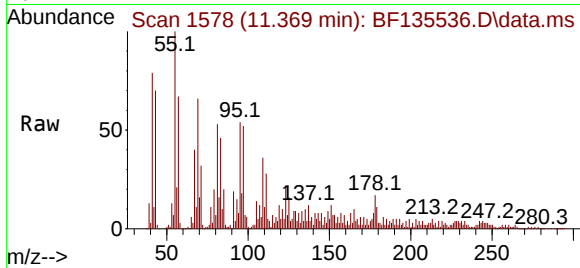
Tgt Ion:188 Resp: 81680
Ion Ratio Lower Upper
188 100
94 91.8 7.0 10.6#
80 92.0 7.5 11.3#





#71
Phenanthrene
Concen: 39.742 ng
RT: 11.369 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

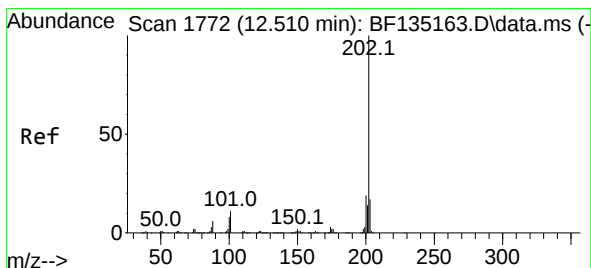
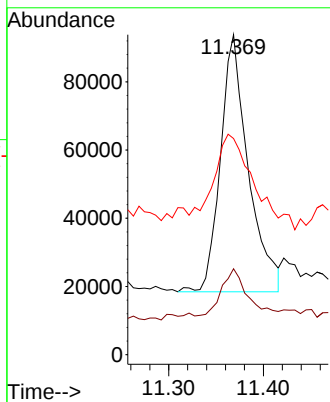
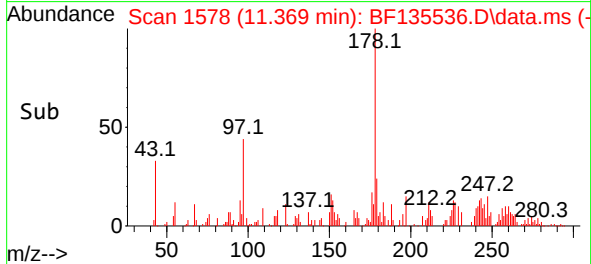
Instrument :
BNA_F
ClientSampleId :
RBR251354



Tgt Ion:178 Resp: 153520
Ion Ratio Lower Upper
178 100
176 26.8 15.6 23.4
179 67.5 12.0 18.0

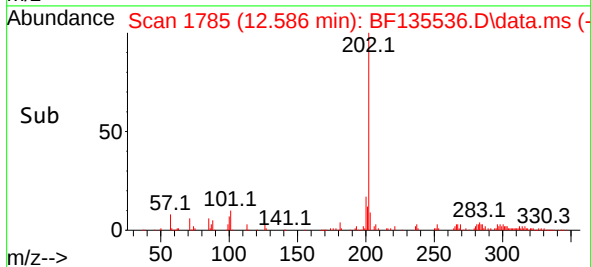
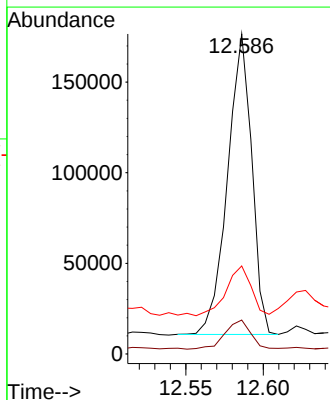
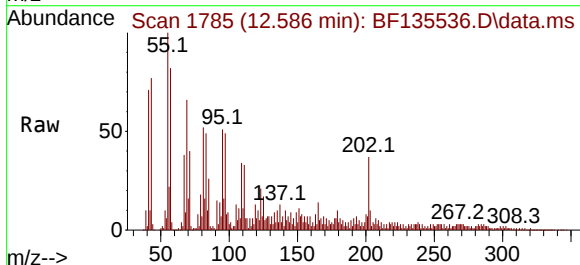
Manual Integrations
APPROVED

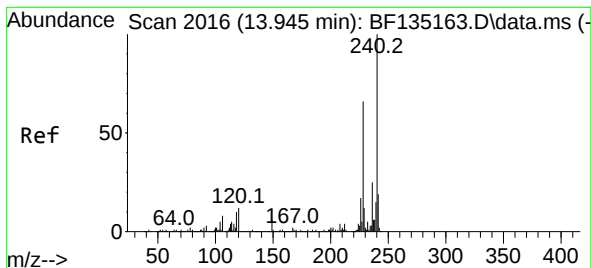
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#75
Fluoranthene
Concen: 44.720 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.088 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Tgt Ion:202 Resp: 180013
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.3
203 27.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2016

Delta R.T. 0.035 min

Lab File: BF135536.D

Acq: 02 Oct 2023 19:50

Instrument :

BNA_F

ClientSampleId :

RBR251354

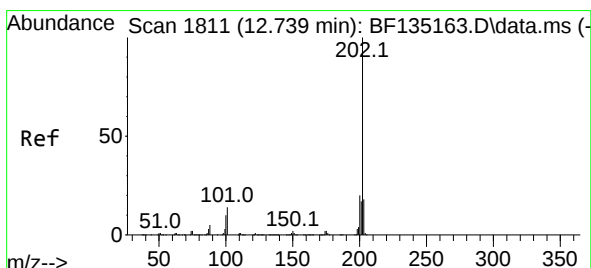
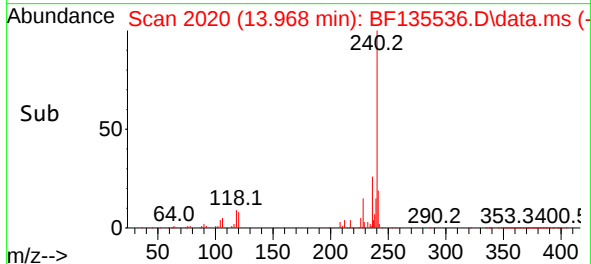
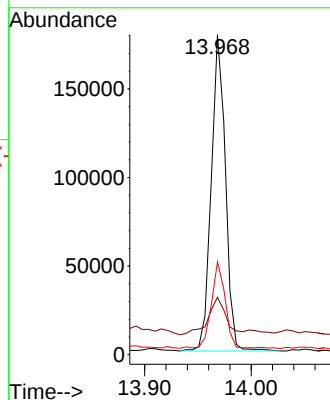
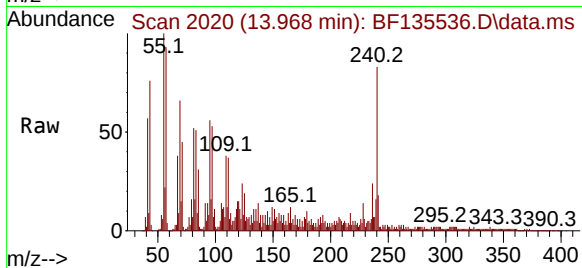
Tgt Ion:240 Resp: 16585
 Ion Ratio Lower Upper
 240 100
 120 18.0 9.4 14.2
 236 29.1 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#78

Pyrene

Concen: 9.353 ng

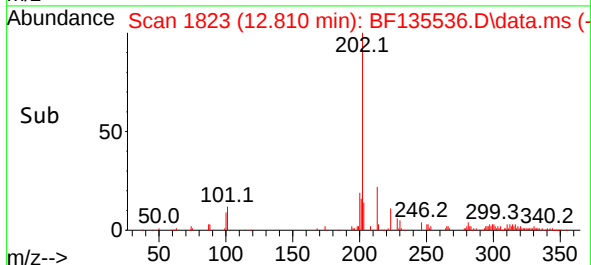
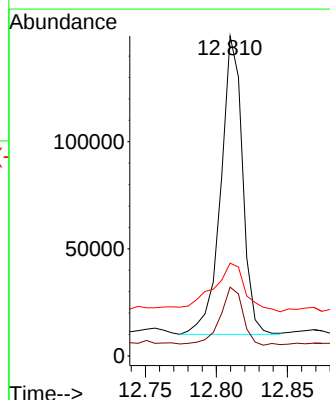
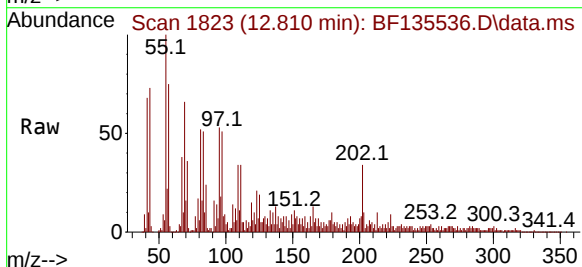
RT: 12.810 min Scan# 1823

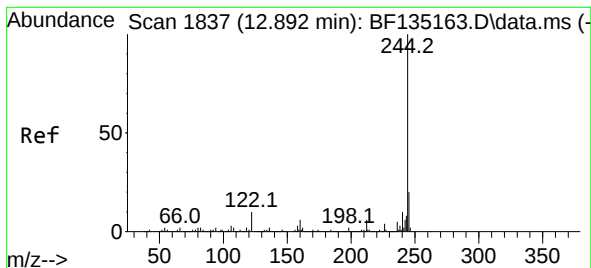
Delta R.T. 0.082 min

Lab File: BF135536.D

Acq: 02 Oct 2023 19:50

Tgt Ion:202 Resp: 147681
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.2 24.2
 203 29.0 14.2 21.4





#79

Terphenyl-d14

Concen: 31.330 ng

RT: 12.939 min Scan# 1845

Delta R.T. 0.065 min

Lab File: BF135536.D

Acq: 02 Oct 2023 19:50

Instrument :

BNA_F

ClientSampleId :

RBR251354

Tgt Ion:244 Resp: 335190

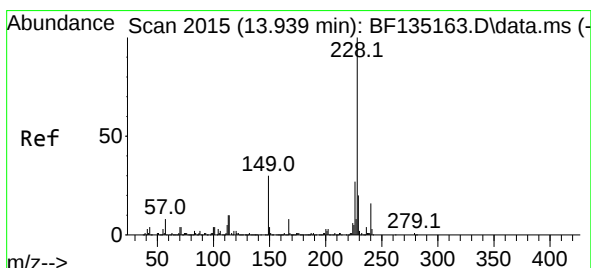
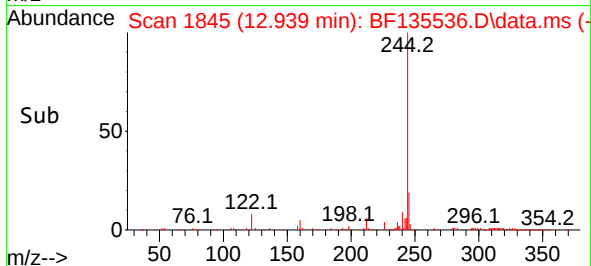
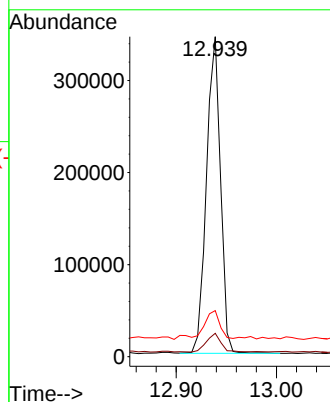
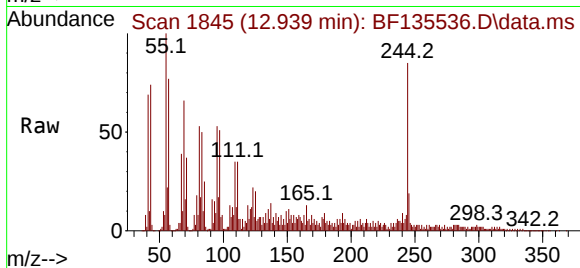
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.1	7.7
122	14.4	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#81

Benzo(a)anthracene

Concen: 7.717 ng

RT: 13.957 min Scan# 2018

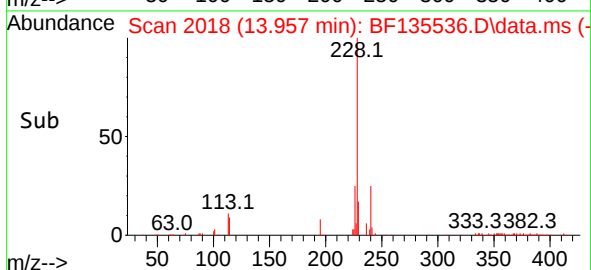
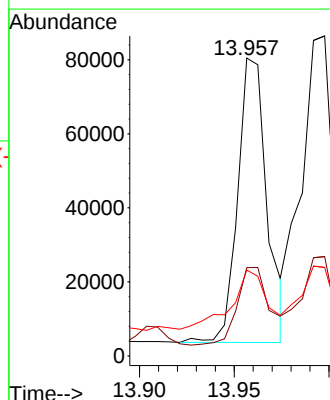
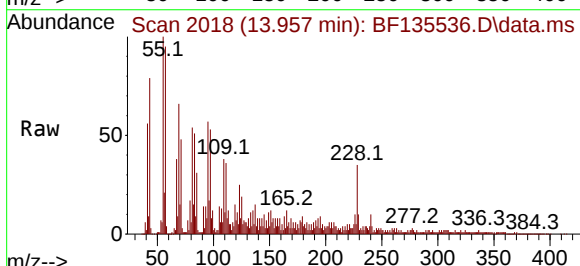
Delta R.T. 0.035 min

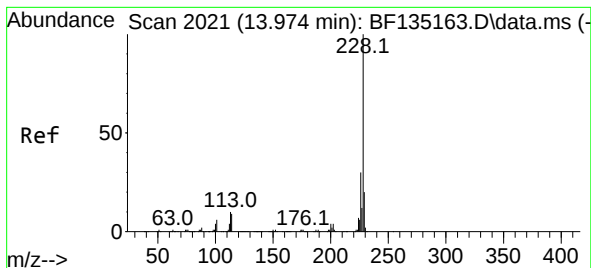
Lab File: BF135536.D

Acq: 02 Oct 2023 19:50

Tgt Ion:228 Resp: 82644

Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.7	32.5
229	28.8	15.8	23.8





#83

Chrysene

Concen: 9.066 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.035 min

Lab File: BF135536.D

Acq: 02 Oct 2023 19:50

Instrument :

BNA_F

ClientSampleId :

RBR251354

Tgt Ion:228 Resp: 96530

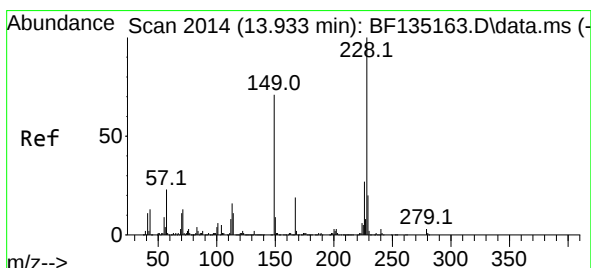
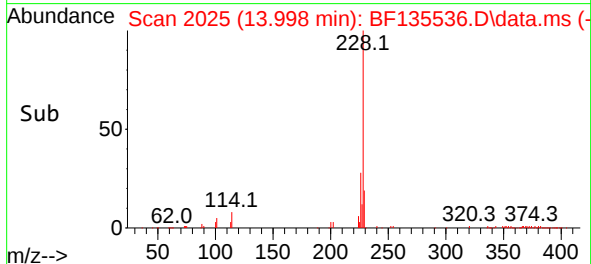
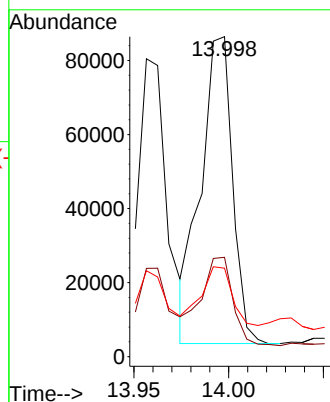
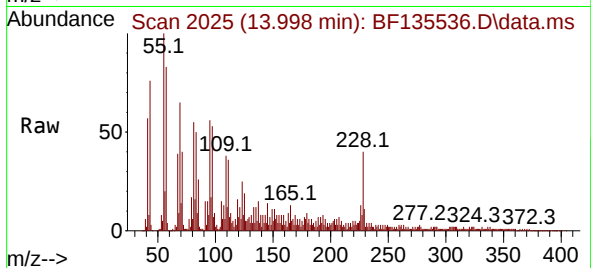
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.3	36.5
229	27.6	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 74.793 ng

RT: 13.933 min Scan# 2014

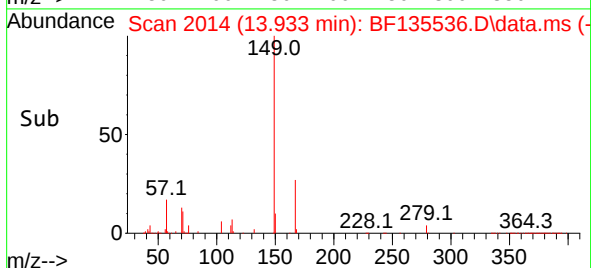
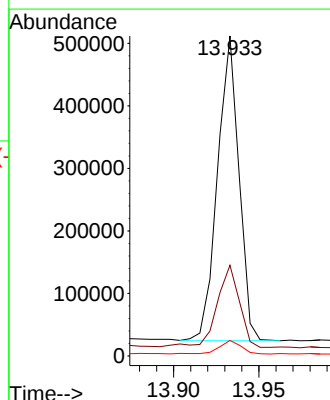
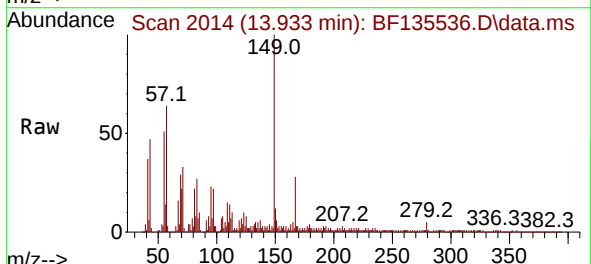
Delta R.T. 0.023 min

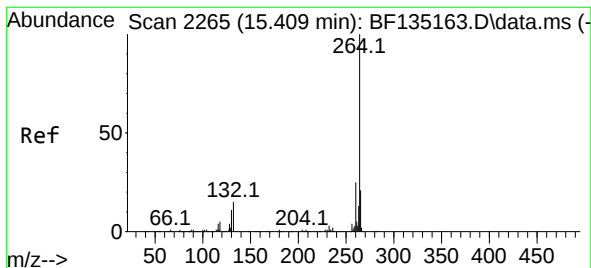
Lab File: BF135536.D

Acq: 02 Oct 2023 19:50

Tgt Ion:149 Resp: 426696

Ion	Ratio	Lower	Upper
149	100		
167	28.4	21.9	32.9
279	4.9	3.3	4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Instrument :

BNA_F

ClientSampleId :

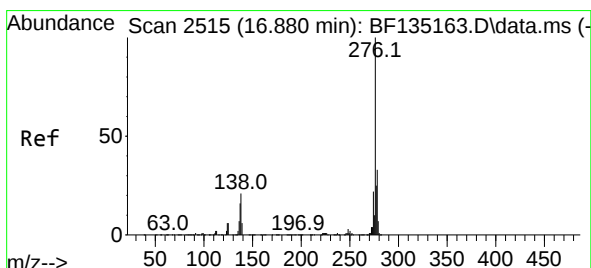
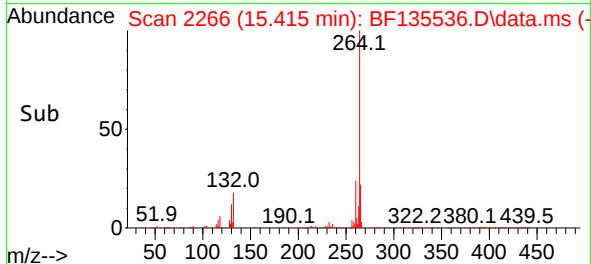
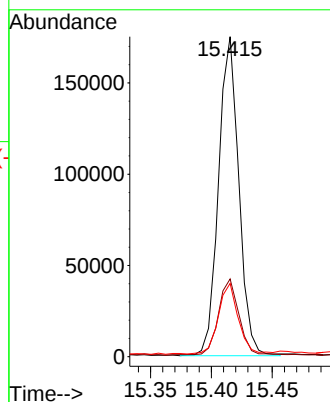
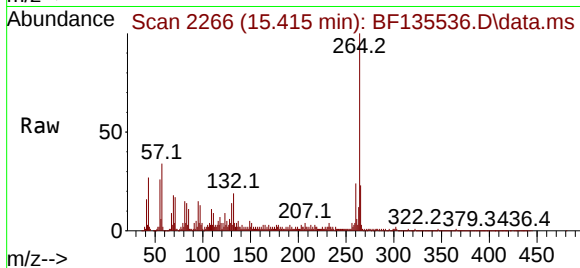
RBR251354

Tgt Ion:264 Resp: 202838
Ion Ratio Lower Upper
264 100
260 24.3 19.8 29.6
265 22.9 17.0 25.4

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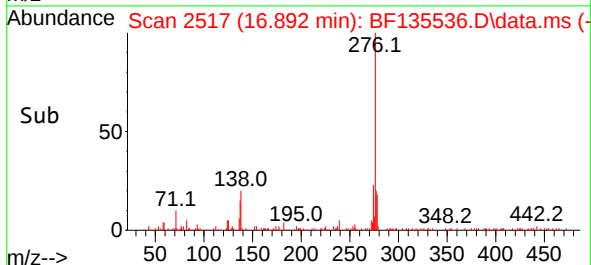
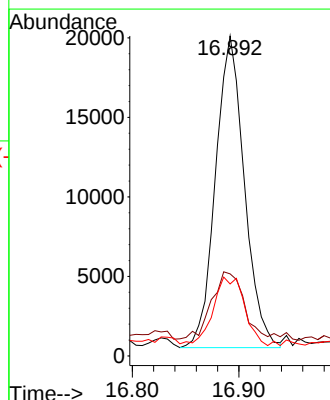
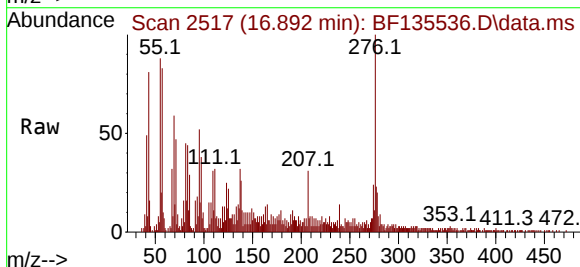
APPROVED

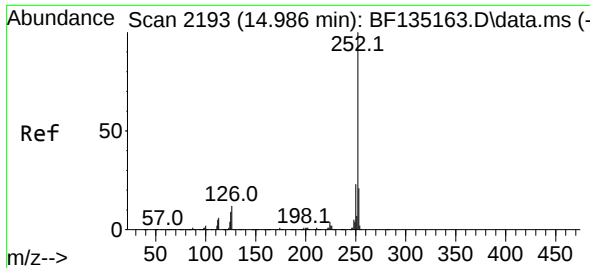
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.775 ng
RT: 16.892 min Scan# 2517
Delta R.T. 0.012 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

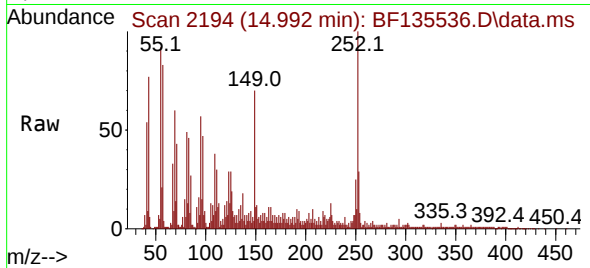
Tgt Ion:276 Resp: 36903
Ion Ratio Lower Upper
276 100
138 23.4 19.2 28.8
277 23.4 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 10.450 ng m
RT: 14.992 min Scan# 2194
Delta R.T. 0.023 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

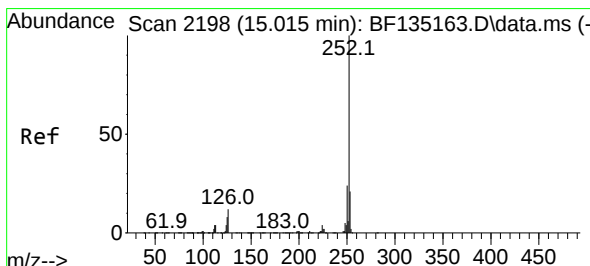
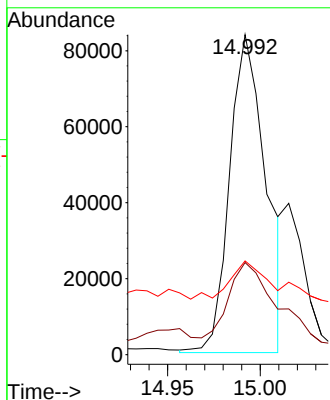
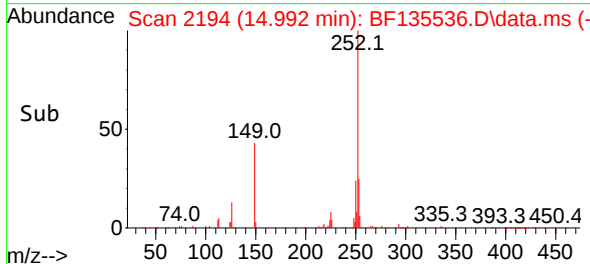
Instrument :
BNA_F
ClientSampleId :
RBR251354



Tgt Ion:252 Resp: 11474
Ion Ratio Lower Upper
252 100
253 28.8 17.2 25.8#
125 29.3 7.1 10.7#

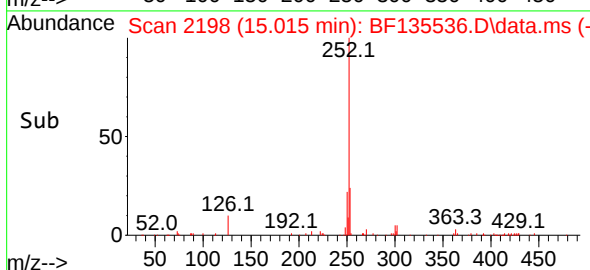
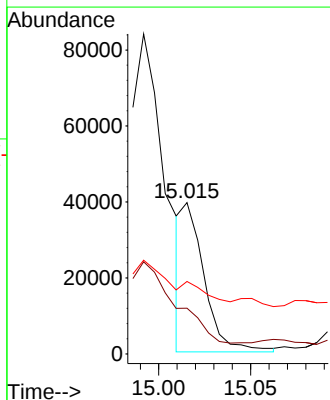
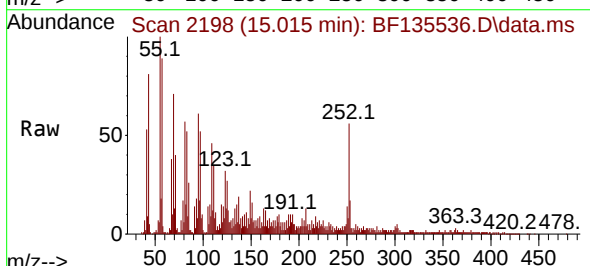
Manual Integrations
APPROVED

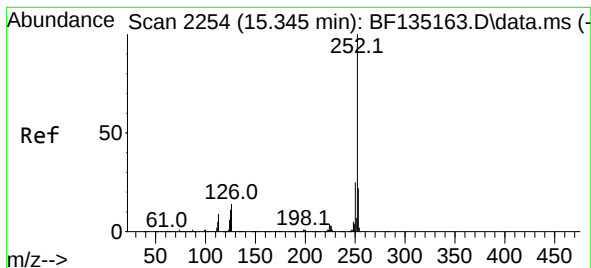
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#89
Benzo(k)fluoranthene
Concen: 3.051 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.018 min
Lab File: BF135536.D
Acq: 02 Oct 2023 19:50

Tgt Ion:252 Resp: 33097
Ion Ratio Lower Upper
252 100
253 30.3 17.4 26.0#
125 47.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 5.036 ng

RT: 15.356 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF135536.D

Acq: 02 Oct 2023 19:50

Instrument :

BNA_F

ClientSampleId :

RBR251354

Tgt Ion:252 Resp: 5273

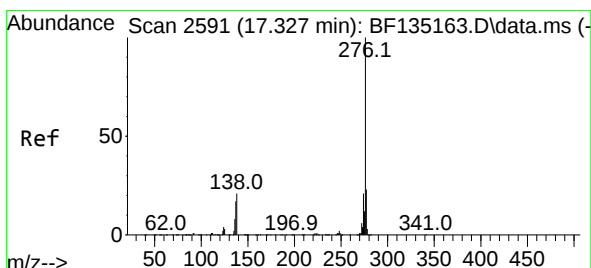
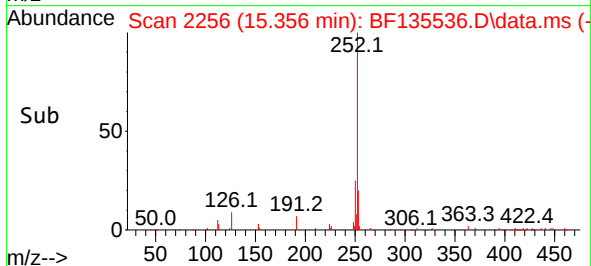
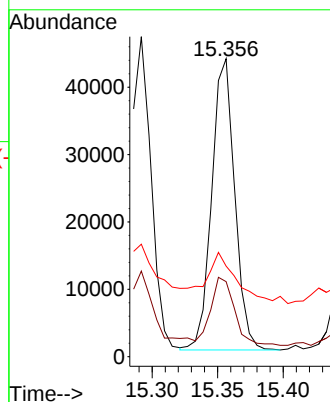
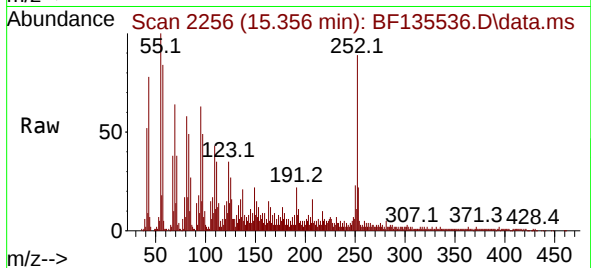
Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	30.4	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#92

Benzo(g,h,i)perylene

Concen: 3.249 ng

RT: 17.339 min Scan# 2593

Delta R.T. 0.018 min

Lab File: BF135536.D

Acq: 02 Oct 2023 19:50

Tgt Ion:276 Resp: 36928

Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.8	28.2
138	25.6	16.9	25.3

