

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135541.D
 Acq On : 02 Oct 2023 22:29
 Operator : CG\JU
 Sample : 04686-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

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

Quant Time: Oct 03 02:59:03 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	6.751	152	101933	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	197735	20.000	ng	# 0.01
39) Acenaphthene-d10	9.816	164	98327	20.000	ng	0.03
64) Phenanthrene-d10	11.304	188	188378	20.000	ng	# 0.03
76) Chrysene-d12	13.933	240	268251	20.000	ng	0.00
86) Perylene-d12	15.398	264	211530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	558500	89.114	ng	0.00
7) Phenol-d6	6.393	99	589173	73.932	ng	-0.01
23) Nitrobenzene-d5	7.310	82	324591	89.184	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	67222	68.795	ng	0.03
45) 2-Fluorobiphenyl	9.122	172	291427	44.716	ng	0.01
79) Terphenyl-d14	12.874	244	569218	32.894	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.057	128	557021	57.979	ng	# 92
37) 2-Methylnaphthalene	8.769	142	1657801	256.704	ng	99
38) 1-Methylnaphthalene	8.869	142	983729	162.701	ng	98
46) 1,1'-Biphenyl	9.228	154	92500	12.241	ng	95
52) Acenaphthene	9.845	154	105392	19.580	ng	# 88
58) Fluorene	10.363	166	202477	32.066	ng	# 84
71) Phenanthrene	11.328	178	708809	79.557	ng	# 95
72) Anthracene	11.380	178	79635	8.696	ng	# 66
75) Fluoranthene	12.510	202	226228	24.369	ng	94
78) Pyrene	12.739	202	283898	11.116	ng	97
81) Benzo(a)anthracene	13.921	228	112382	6.488	ng	97
83) Chrysene	13.957	228	102416	5.947	ng	97
88) Benzo(b)fluoranthene	14.974	252	90944m	7.942	ng	
90) Benzo(a)pyrene	15.333	252	54603	5.000	ng	# 91

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

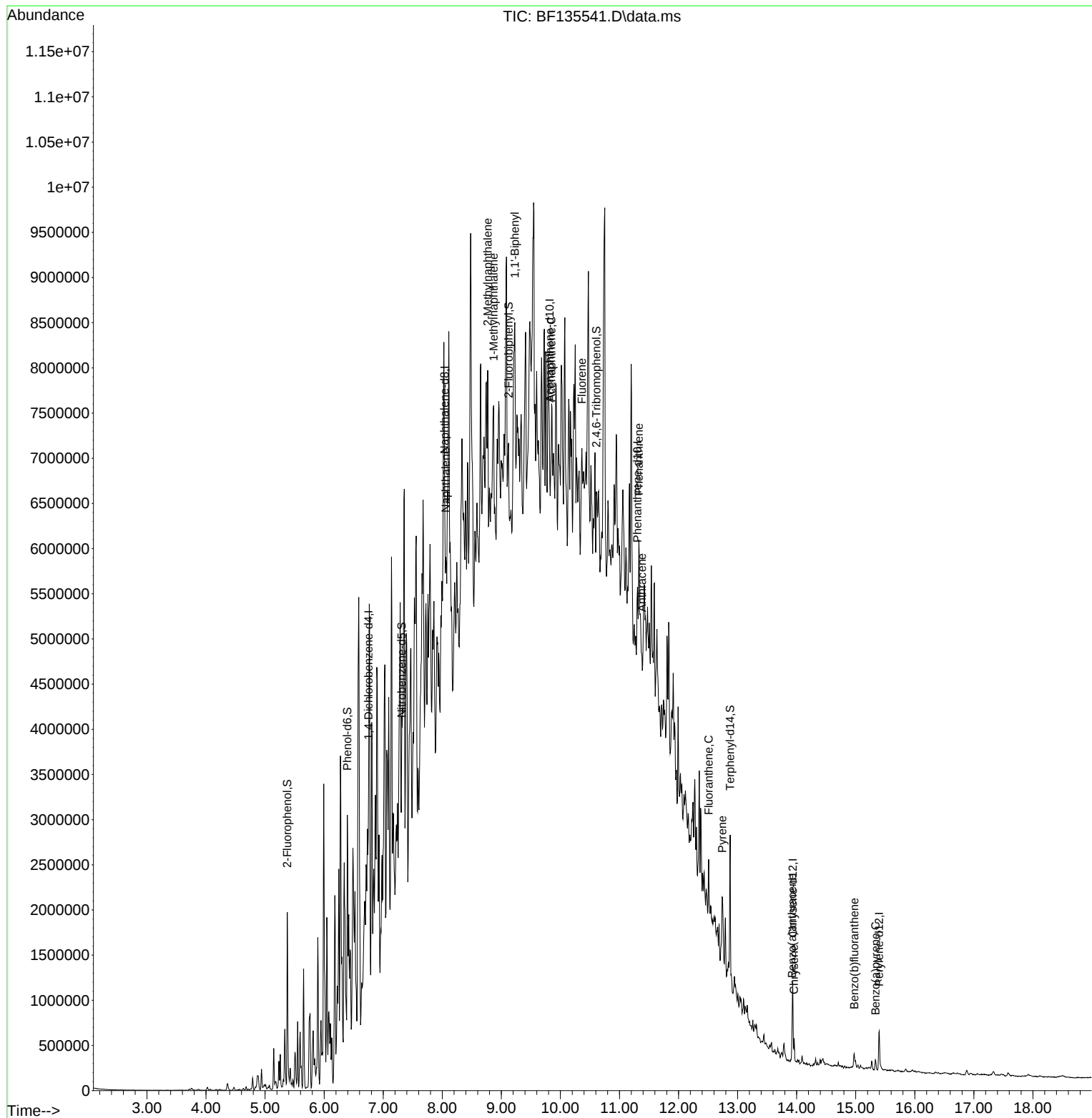
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
Data File : BF135541.D
Acq On : 02 Oct 2023 22:29
Operator : CG\JU
Sample : 04686-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

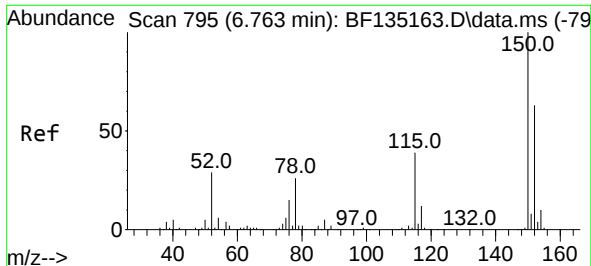
Instrument :
BNA_F
ClientSampleId :
WASTE

Quant Time: Oct 03 02:59:03 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

Manual Integrations
APPROVED

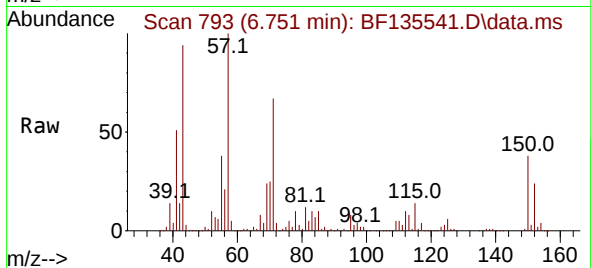
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

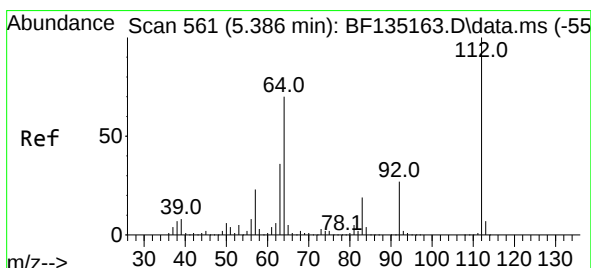
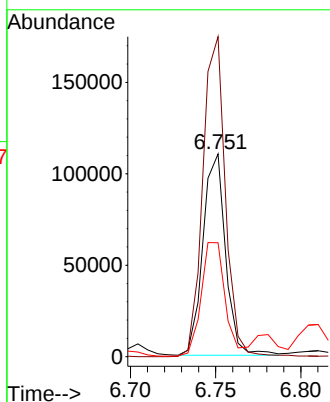
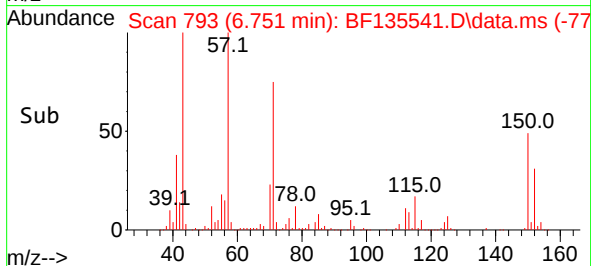
Instrument :
BNA_F
ClientSampleId :
WASTE



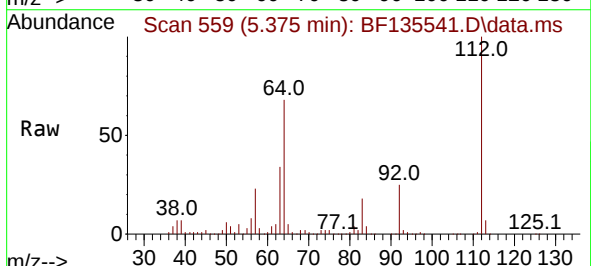
Tgt Ion:152 Resp: 101938
Ion Ratio Lower Upper
152 100
150 157.8 127.8 191.6
115 56.2 49.8 74.8

Manual Integrations
APPROVED

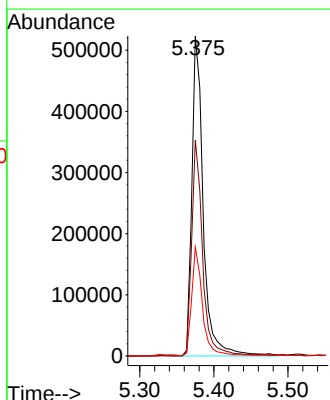
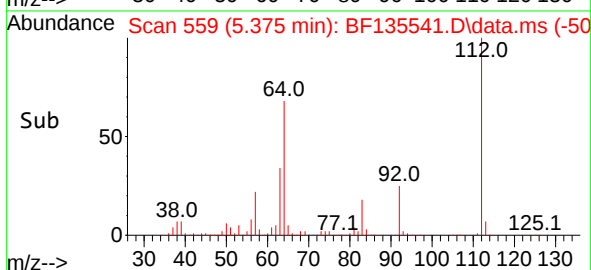
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023

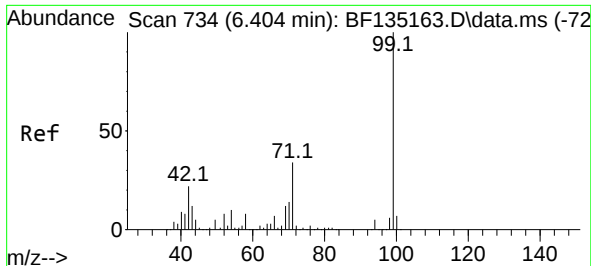


#5
2-Fluorophenol
Concen: 89.114 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.006 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29



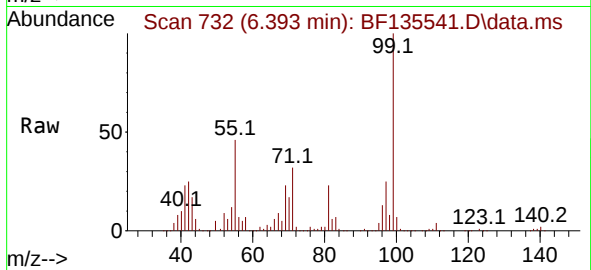
Tgt Ion:112 Resp: 558500
Ion Ratio Lower Upper
112 100
64 67.5 55.9 83.9
63 34.0 29.0 43.6





#7
Phenol-d6
Concen: 73.932 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

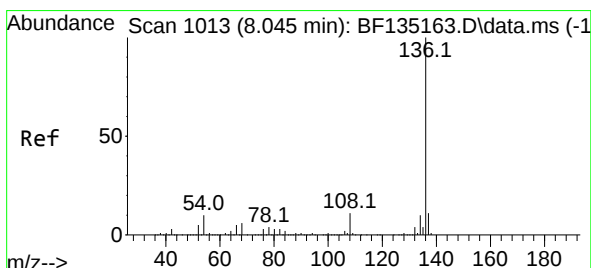
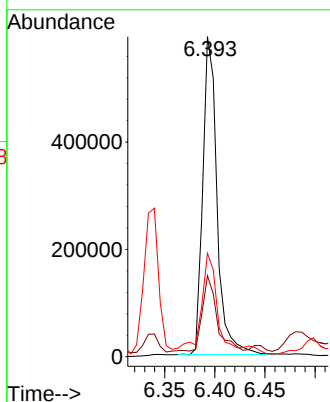
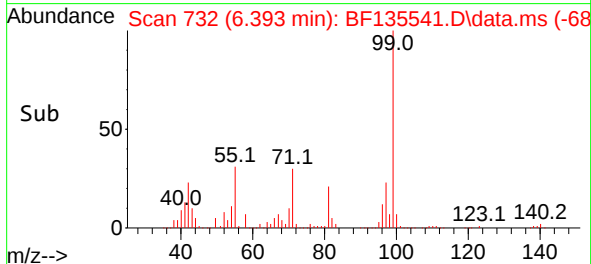
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion: 99 Resp: 58917
Ion Ratio Lower Upper
99 100
42 25.3 17.9 26.9
71 32.4 27.0 40.6

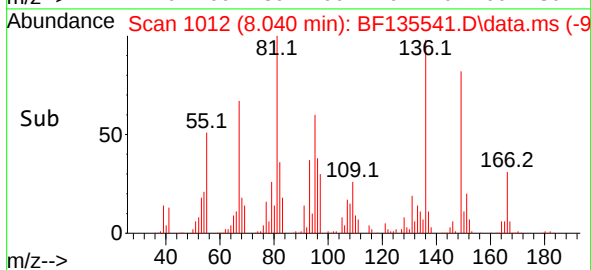
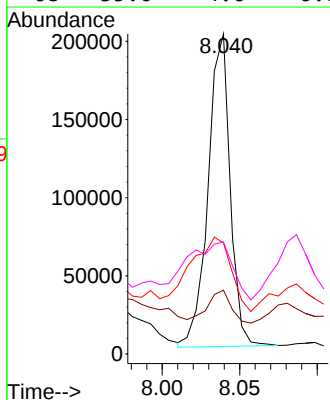
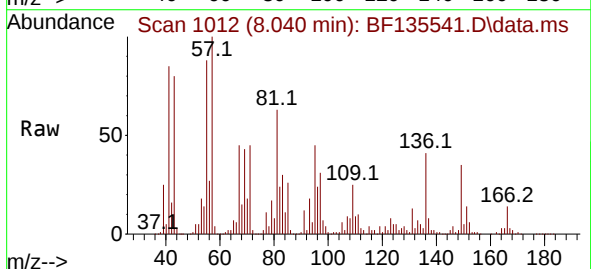
Manual Integrations
APPROVED

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1012
Delta R.T. 0.012 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

Tgt Ion:136 Resp: 197735
Ion Ratio Lower Upper
136 100
137 20.0 8.8 13.2#
54 34.6 7.7 11.5#
68 35.0 4.6 6.8#





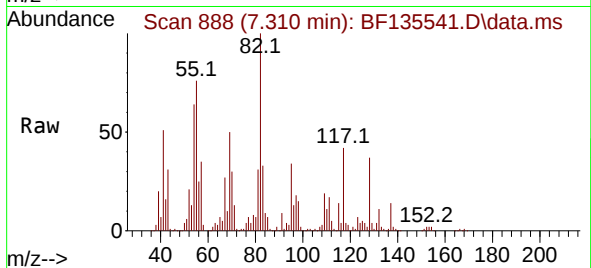
#23
Nitrobenzene-d5
Concen: 89.184 ng
RT: 7.310 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

Instrument :

BNA_F

ClientSampleId :

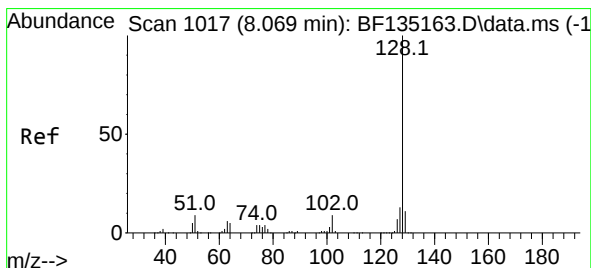
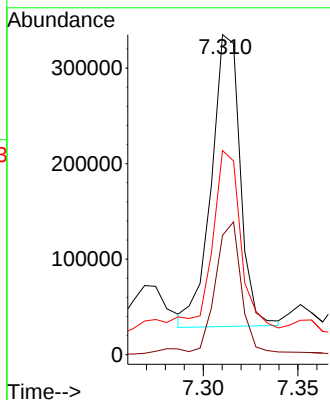
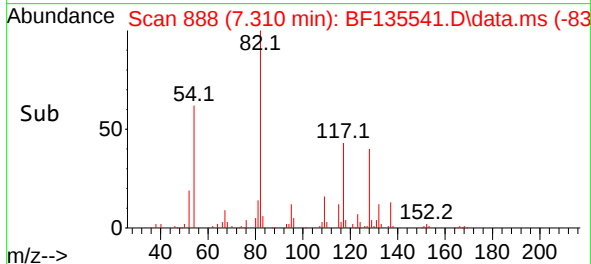
WASTE



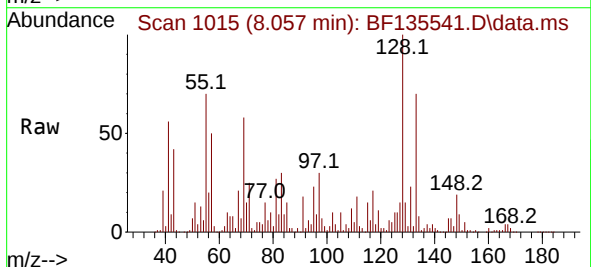
Tgt Ion: 82 Resp: 32459
Ion Ratio Lower Upper
82 100
128 37.3 35.8 53.6
54 63.8 50.6 76.0

Manual Integrations
APPROVED

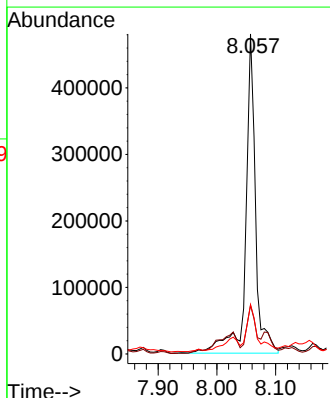
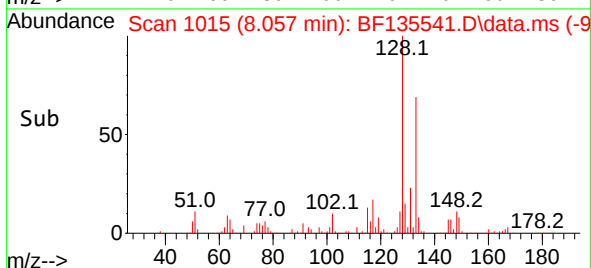
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023

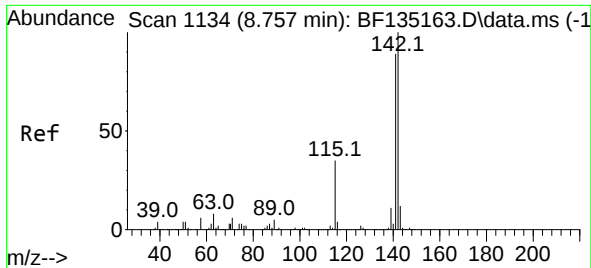


#31
Naphthalene
Concen: 57.979 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.006 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29



Tgt Ion:128 Resp: 557021
Ion Ratio Lower Upper
128 100
129 15.2 8.7 13.1#
127 15.5 10.7 16.1





#37

2-Methylnaphthalene

Concen: 256.704 ng

RT: 8.769 min Scan# 1136

Delta R.T. 0.030 min

Lab File: BF135541.D

Acq: 02 Oct 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion:142 Resp: 165780

Ion Ratio Lower Upper

142 100

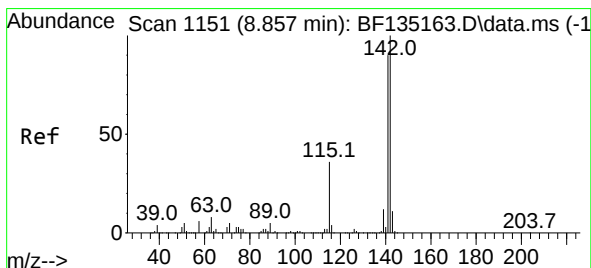
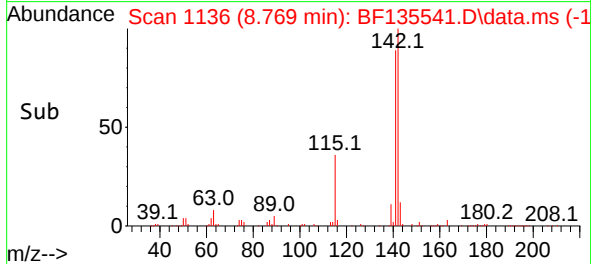
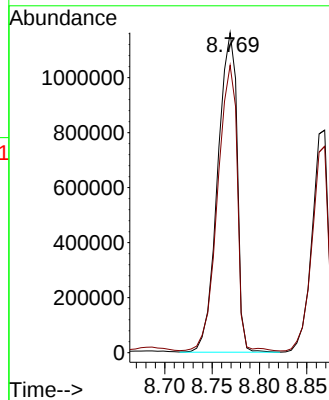
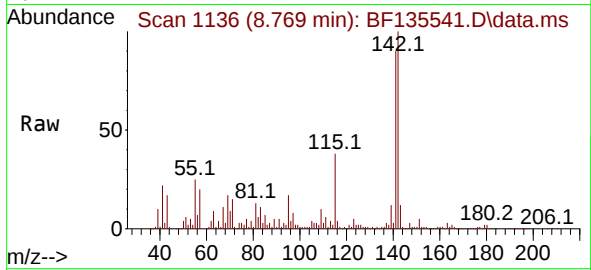
141 89.8 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#38

1-Methylnaphthalene

Concen: 162.701 ng

RT: 8.869 min Scan# 1153

Delta R.T. 0.030 min

Lab File: BF135541.D

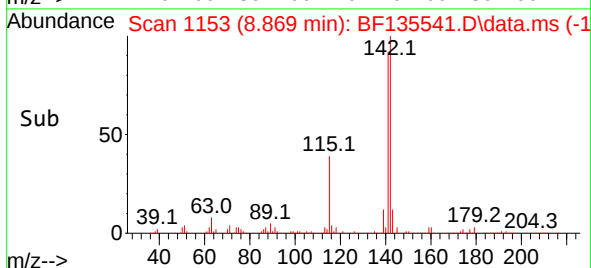
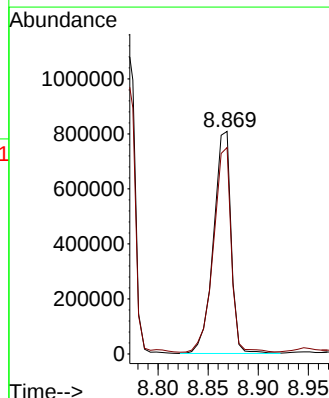
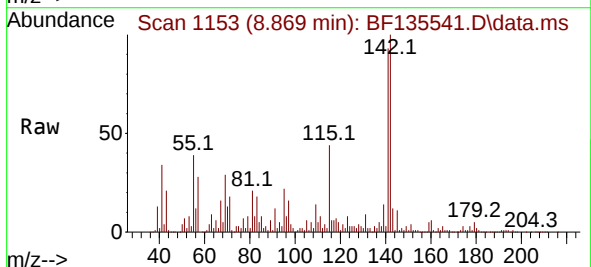
Acq: 02 Oct 2023 22:29

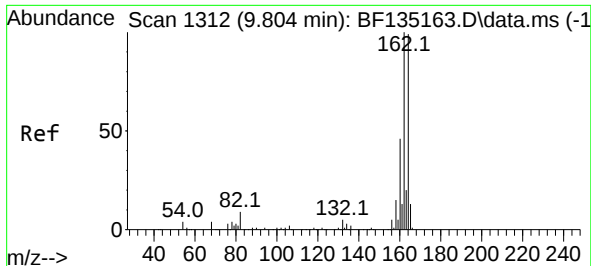
Tgt Ion:142 Resp: 983729

Ion Ratio Lower Upper

142 100

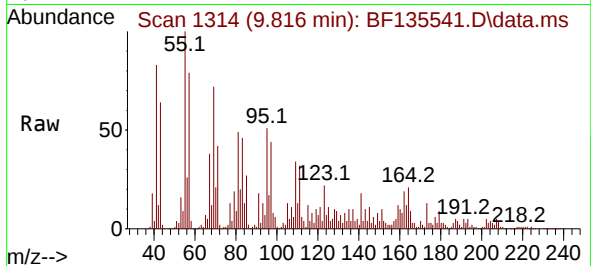
141 92.7 72.4 108.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1312
Delta R.T. 0.030 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

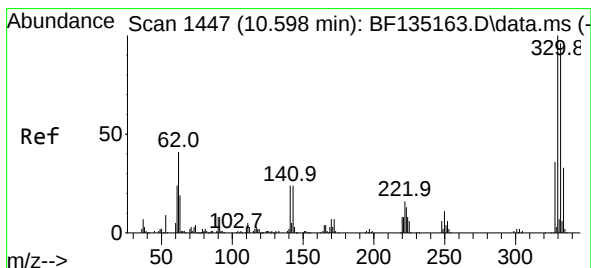
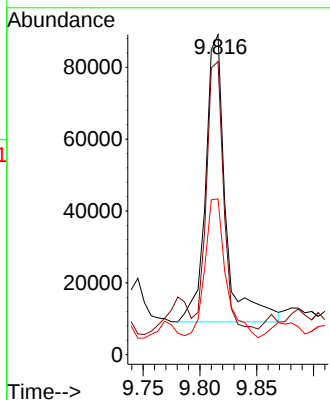
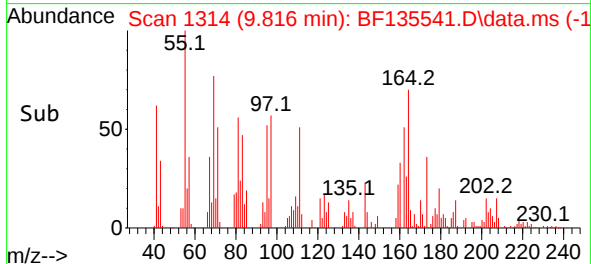
Instrument :
BNA_F
ClientSampleId :
WASTE



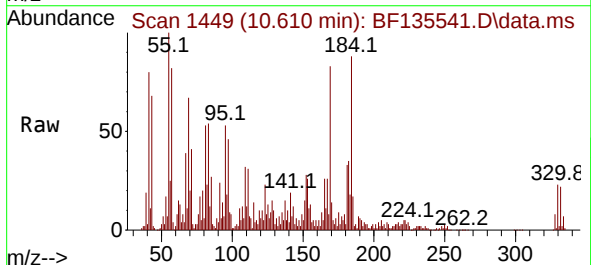
Tgt Ion:164 Resp: 9832
Ion Ratio Lower Upper
164 100
162 91.6 81.0 121.4
160 48.7 37.0 55.4

Manual Integrations
APPROVED

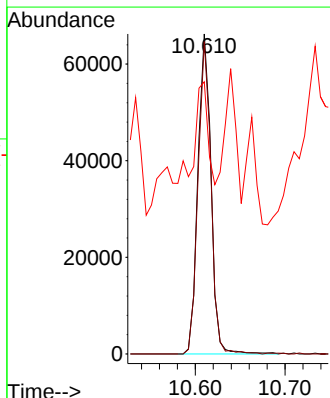
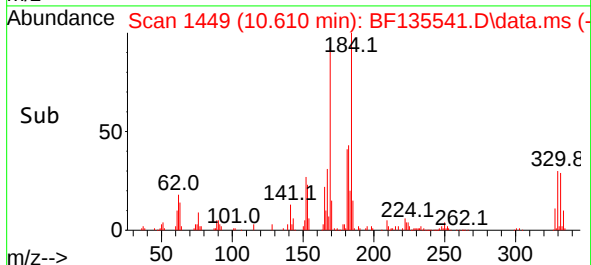
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023

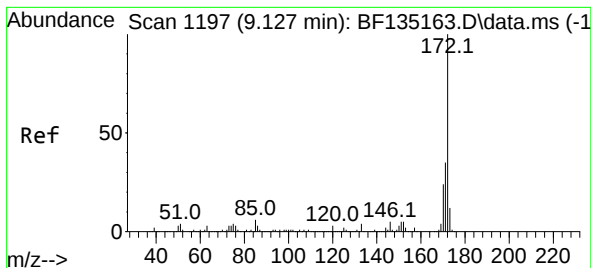


#42
2,4,6-Tribromophenol
Concen: 68.795 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.030 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29



Tgt Ion:330 Resp: 67222
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 35.5 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 44.716 ng

RT: 9.122 min Scan# 1196

Delta R.T. 0.012 min

Lab File: BF135541.D

Acq: 02 Oct 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion:172 Resp: 29142

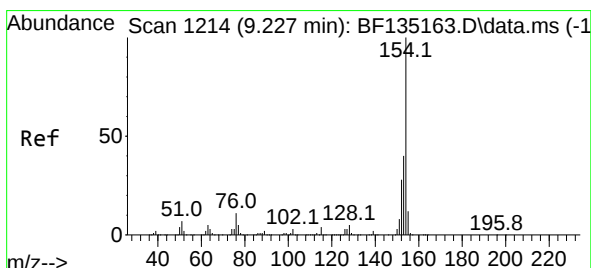
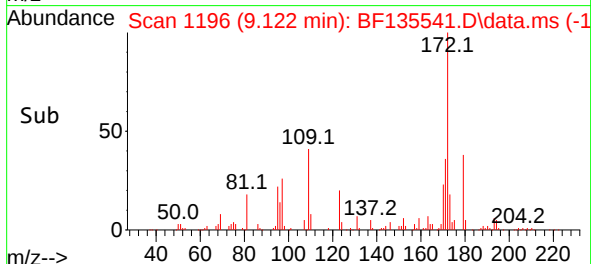
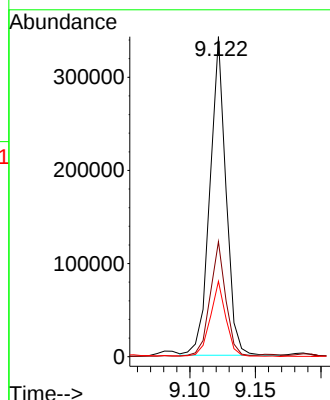
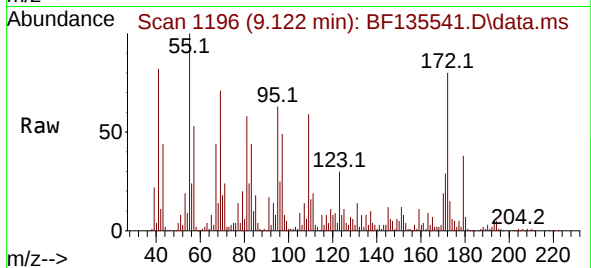
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.4	42.6
170	23.6	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#46

1,1'-Biphenyl

Concen: 12.241 ng

RT: 9.228 min Scan# 1214

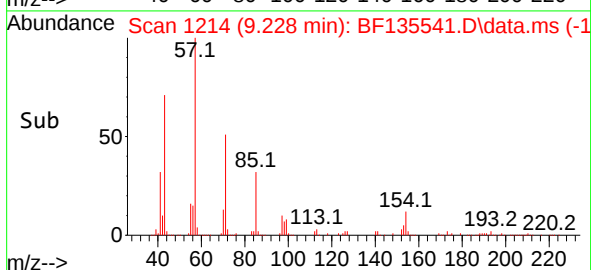
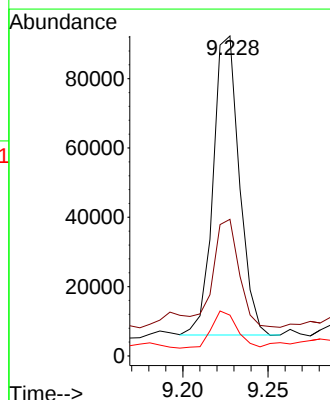
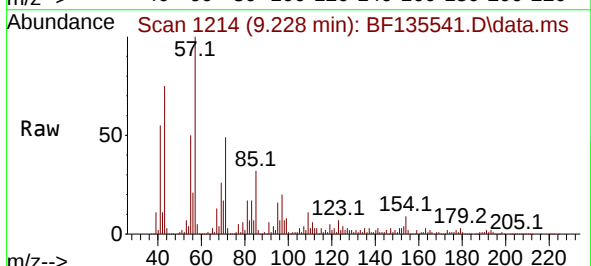
Delta R.T. 0.018 min

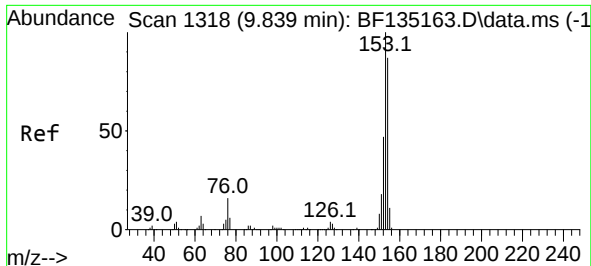
Lab File: BF135541.D

Acq: 02 Oct 2023 22:29

Tgt Ion:154 Resp: 92500

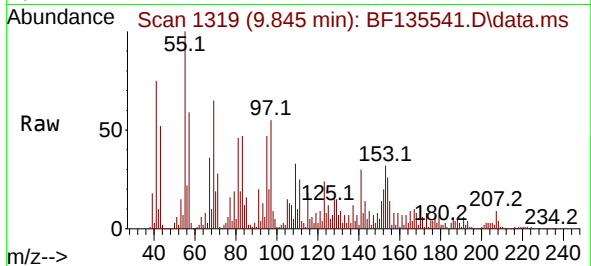
Ion	Ratio	Lower	Upper
154	100		
153	42.7	19.6	59.6
76	12.8	0.0	31.0





#52
Acenaphthene
Concen: 19.580 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

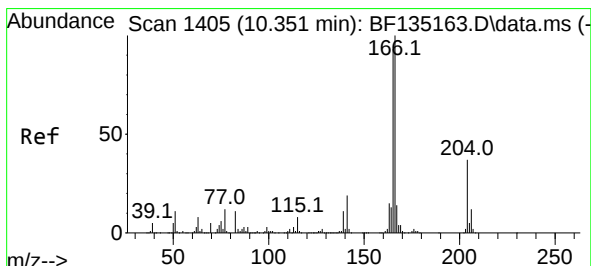
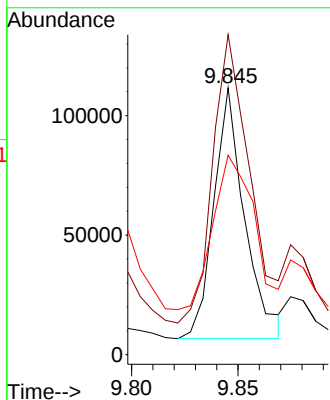
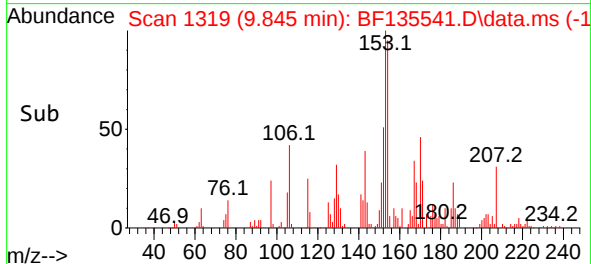
Instrument :
BNA_F
ClientSampleId :
WASTE



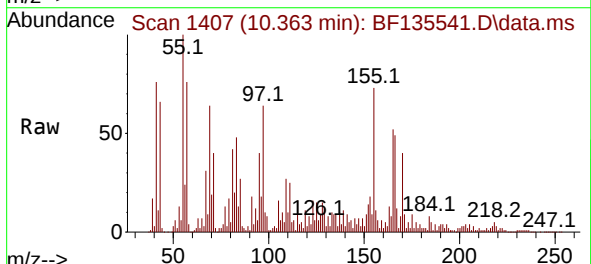
Tgt Ion:154 Resp: 105392
Ion Ratio Lower Upper
154 100
153 119.9 92.1 138.1
152 74.7 43.1 64.7

Manual Integrations
APPROVED

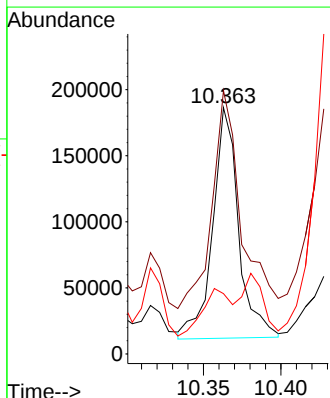
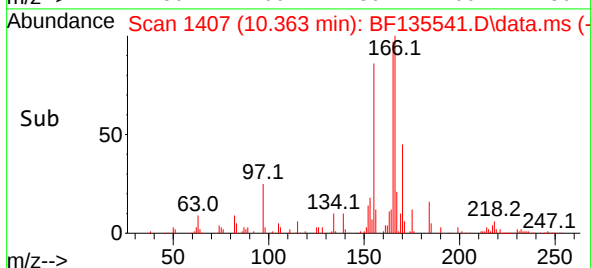
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023

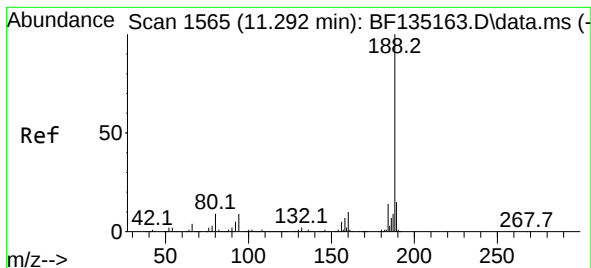


#58
Fluorene
Concen: 32.066 ng
RT: 10.363 min Scan# 1407
Delta R.T. 0.024 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29



Tgt Ion:166 Resp: 202477
Ion Ratio Lower Upper
166 100
165 107.0 74.3 111.5
167 24.5 10.9 16.3





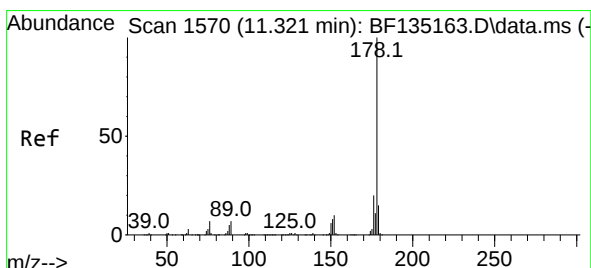
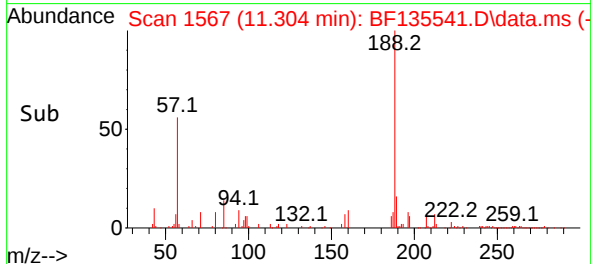
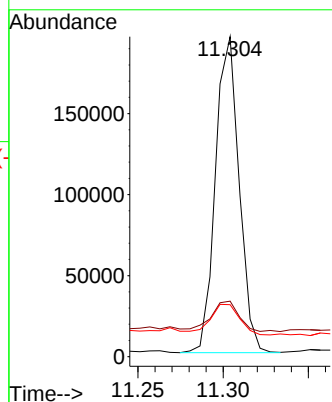
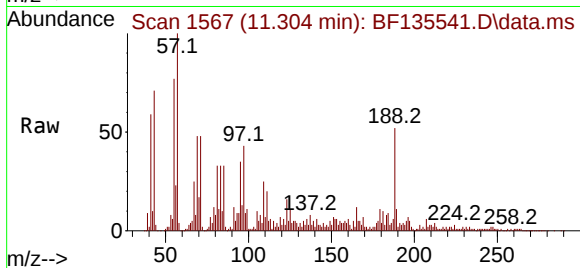
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. 0.030 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:188 Resp: 188378
Ion Ratio Lower Upper
188 100
94 17.4 7.0 10.6
80 16.3 7.5 11.3

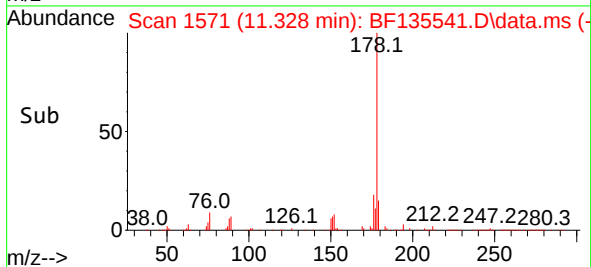
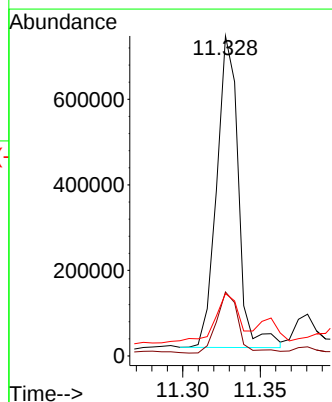
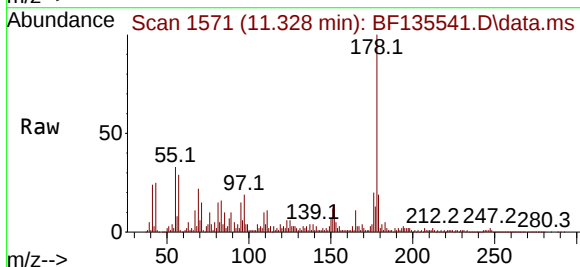
Manual Integrations
APPROVED

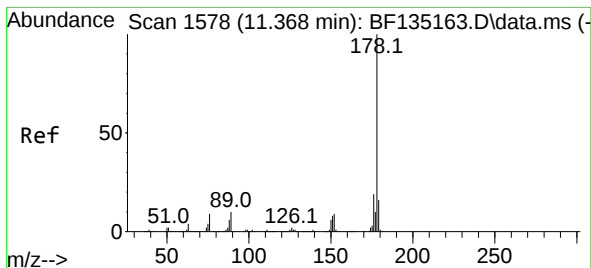
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#71
Phenanthrene
Concen: 79.557 ng
RT: 11.328 min Scan# 1571
Delta R.T. 0.024 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

Tgt Ion:178 Resp: 708809
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 19.5 12.0 18.0





#72

Anthracene

Concen: 8.696 ng

RT: 11.380 min Scan# 1578

Delta R.T. 0.024 min

Lab File: BF135541.D

Acq: 02 Oct 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion:178 Resp: 7963

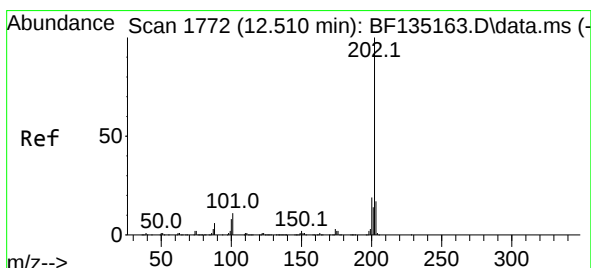
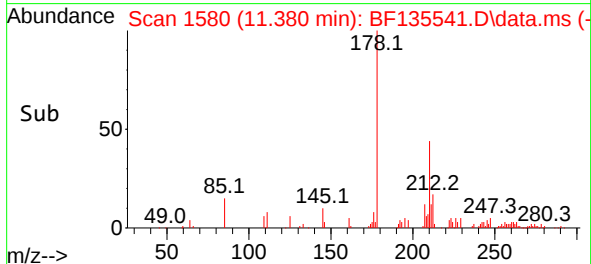
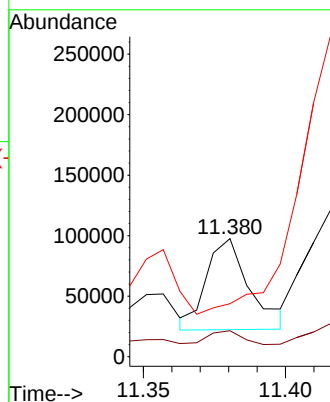
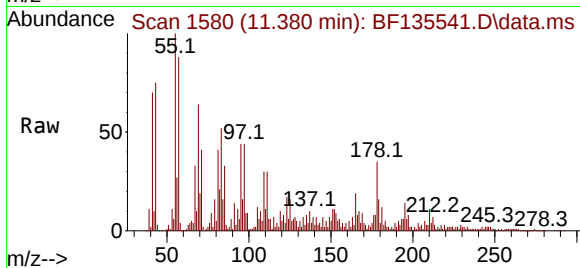
Ion	Ratio	Lower	Upper
178	100		
176	21.9	15.4	23.2
179	44.8	12.6	19.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#75

Fluoranthene

Concen: 24.369 ng

RT: 12.510 min Scan# 1772

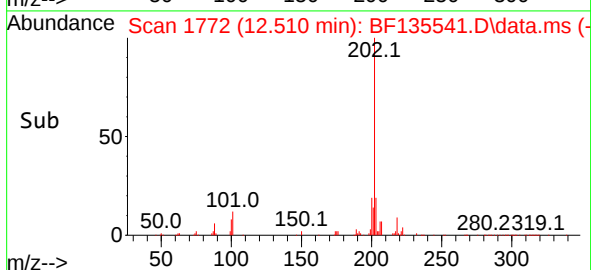
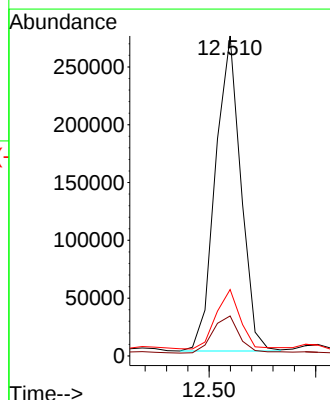
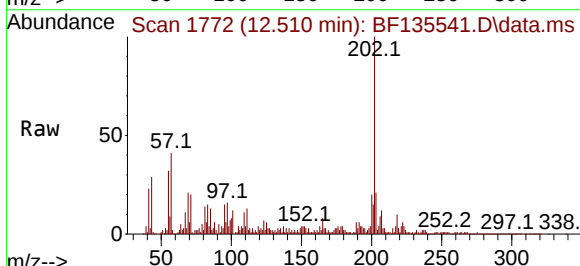
Delta R.T. 0.012 min

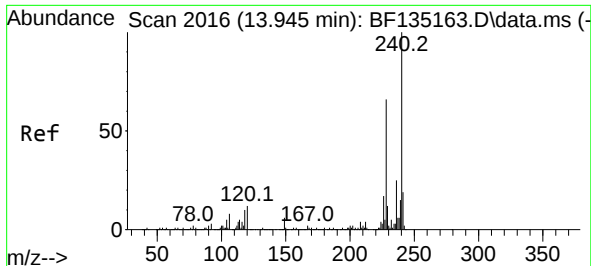
Lab File: BF135541.D

Acq: 02 Oct 2023 22:29

Tgt Ion:202 Resp: 226228

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.3
203	20.7	0.0	37.4





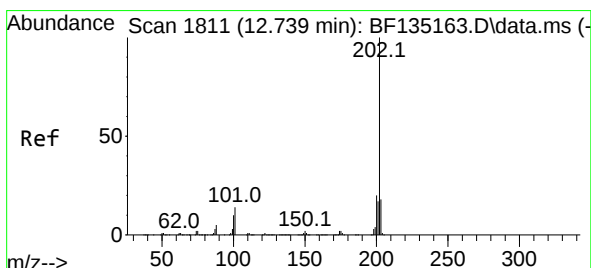
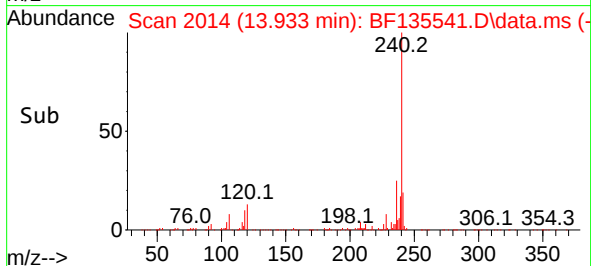
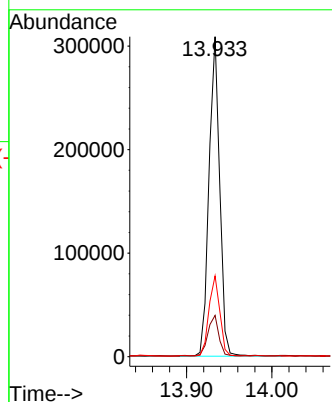
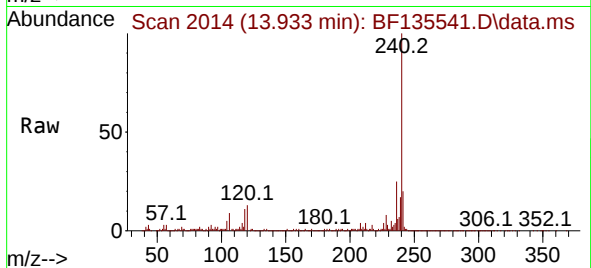
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:240 Resp: 26825
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.2
236 25.3 19.8 29.8

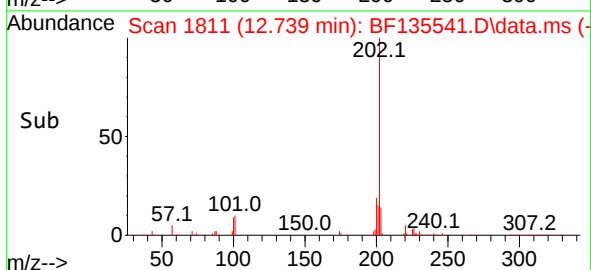
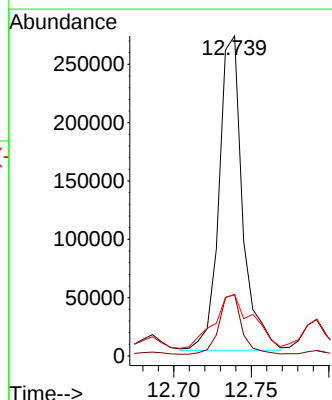
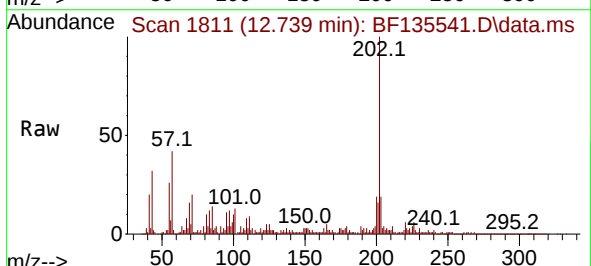
Manual Integrations
APPROVED

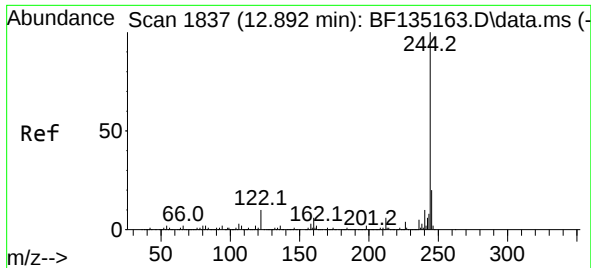
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#78
Pyrene
Concen: 11.116 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.012 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

Tgt Ion:202 Resp: 283898
Ion Ratio Lower Upper
202 100
200 19.2 16.2 24.2
203 19.2 14.2 21.4





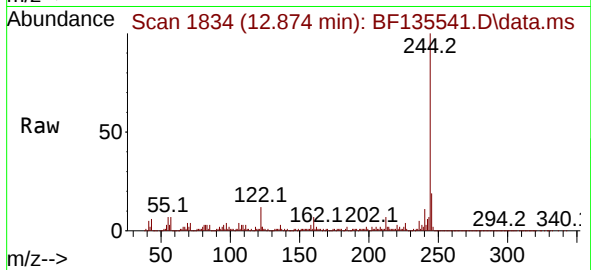
#79
 Terphenyl-d14
 Concen: 32.894 ng
 RT: 12.874 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF135541.D
 Acq: 02 Oct 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WASTE

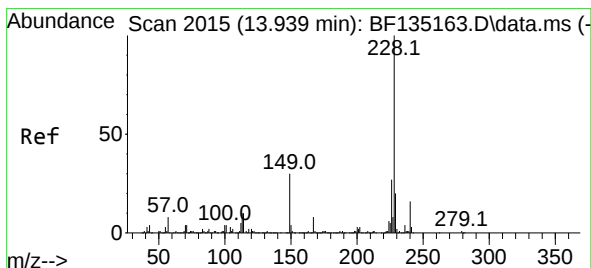
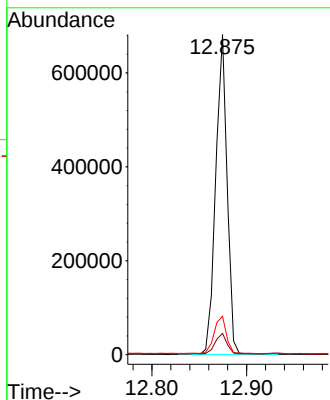
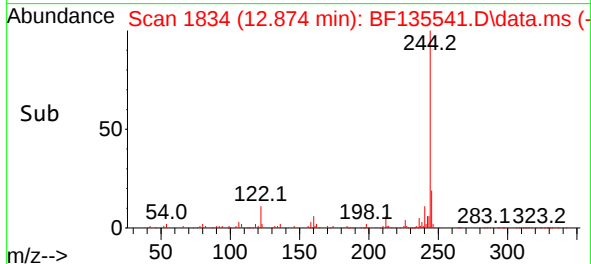


Tgt Ion:244 Resp: 569218
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 12.0 7.9 11.9

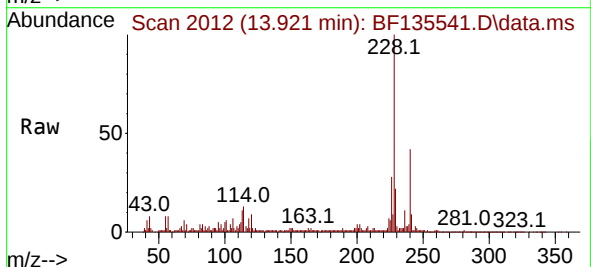
Manual Integrations

APPROVED

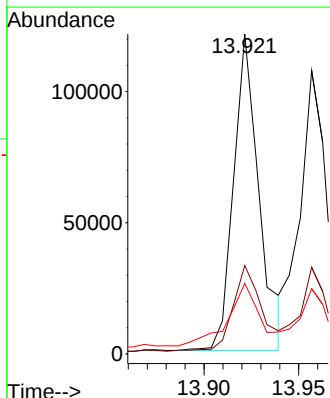
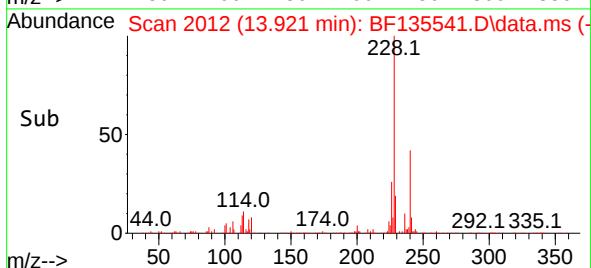
Reviewed By :Yogesh Patel 10/03/2023
 Supervised By :mohammad ahmed 10/04/2023

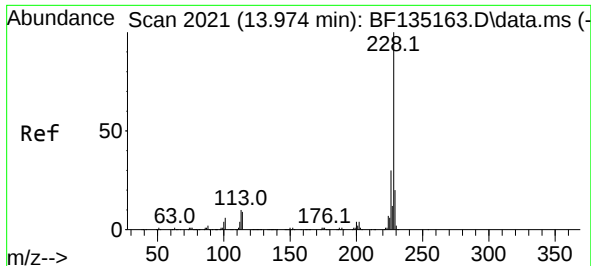


#81
 Benzo(a)anthracene
 Concen: 6.488 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: BF135541.D
 Acq: 02 Oct 2023 22:29



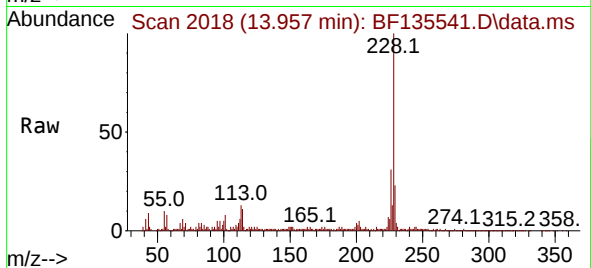
Tgt Ion:228 Resp: 112382
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.7 32.5
 229 22.1 15.8 23.8





#83
Chrysene
Concen: 5.947 ng
RT: 13.957 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

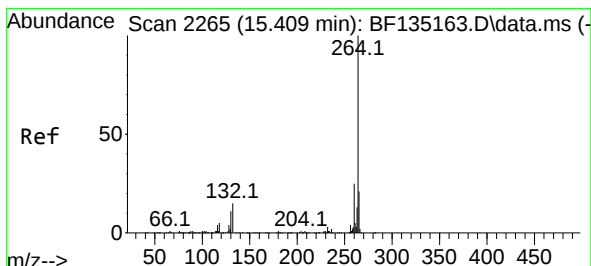
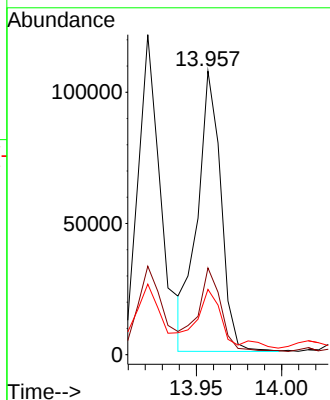
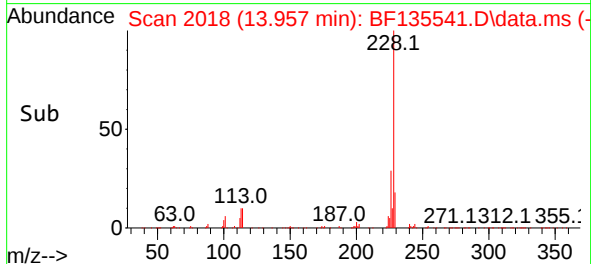
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:228 Resp: 102410
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 23.0 16.0 24.0

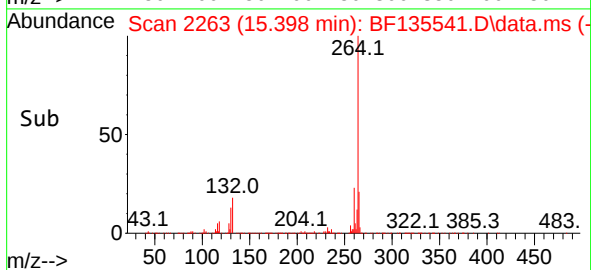
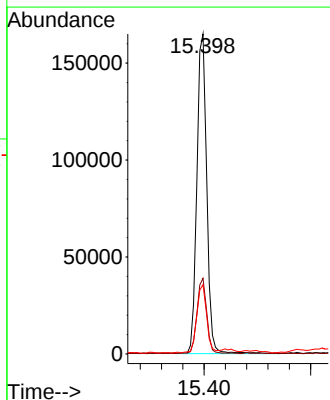
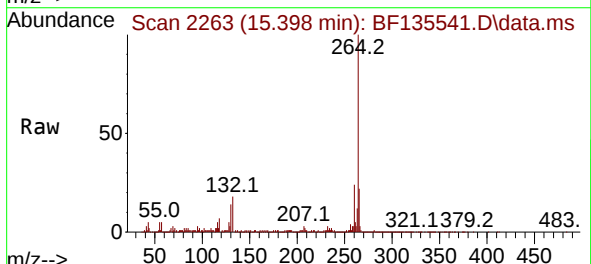
Manual Integrations
APPROVED

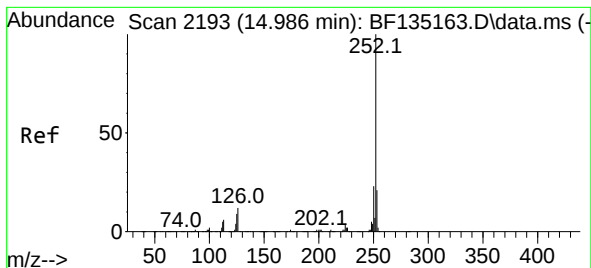
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF135541.D
Acq: 02 Oct 2023 22:29

Tgt Ion:264 Resp: 211530
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 21.6 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 7.942 ng m

RT: 14.974 min Scan# 2191

Delta R.T. 0.006 min

Lab File: BF135541.D

Acq: 02 Oct 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion:252 Resp: 90944

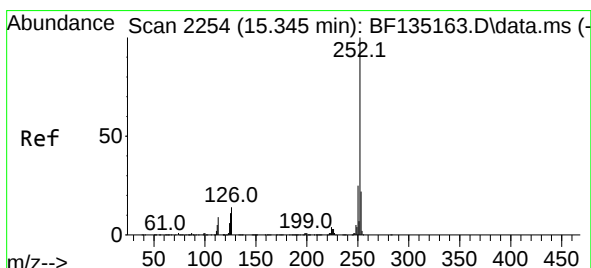
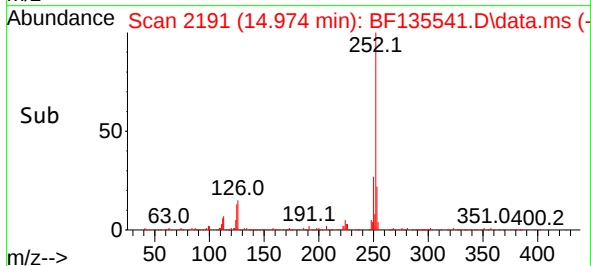
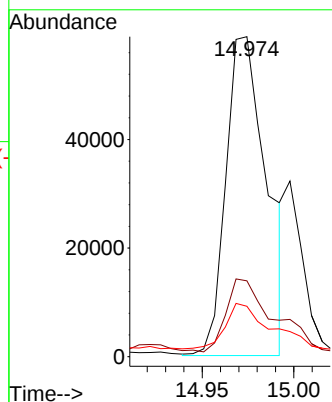
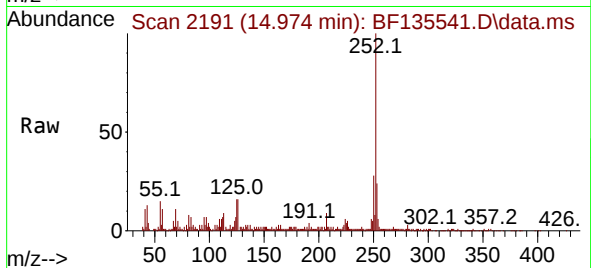
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	15.7	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#90

Benzo(a)pyrene

Concen: 5.000 ng

RT: 15.333 min Scan# 2252

Delta R.T. 0.000 min

Lab File: BF135541.D

Acq: 02 Oct 2023 22:29

Tgt Ion:252 Resp: 54603

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	15.7	9.2	13.8

