

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135836.D
 Acq On : 18 Oct 2023 03:38
 Operator : CG\JU
 Sample : 04703-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

Quant Time: Oct 18 05:06:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	81979	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	281367	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	112837	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	200190	20.000	ng	0.00
76) Chrysene-d12	13.939	240	147081	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	107654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	215176	42.200	ng	0.00
7) Phenol-d6	6.393	99	450170	70.758	ng	0.00
23) Nitrobenzene-d5	7.304	82	293869	57.443	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	19588	18.091	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	483455	66.989	ng	0.00
79) Terphenyl-d14	12.869	244	501391	63.131	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.040	128	45339	3.304	ng	100
37) 2-Methylnaphthalene	8.734	142	22876	2.530	ng	98
52) Acenaphthene	9.810	154	14925	2.415	ng	97
58) Fluorene	10.328	166	14956	2.049	ng	# 92
71) Phenanthrene	11.298	178	128918	13.443	ng	99
72) Anthracene	11.351	178	36222	3.645	ng	97
75) Fluoranthene	12.498	202	180420	16.951	ng	97
78) Pyrene	12.727	202	178598	15.281	ng	98
81) Benzo(a)anthracene	13.933	228	77799	8.053	ng	98
83) Chrysene	13.969	228	71413	7.632	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	22679	3.866	ng	# 93
88) Benzo(b)fluoranthene	14.992	252	64486m	10.703	ng	
89) Benzo(k)fluoranthene	15.021	252	23711m	4.054	ng	
90) Benzo(a)pyrene	15.363	252	42691	7.535	ng	# 88
92) Benzo(g,h,i)perylene	17.398	276	25441	5.151	ng	# 92

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

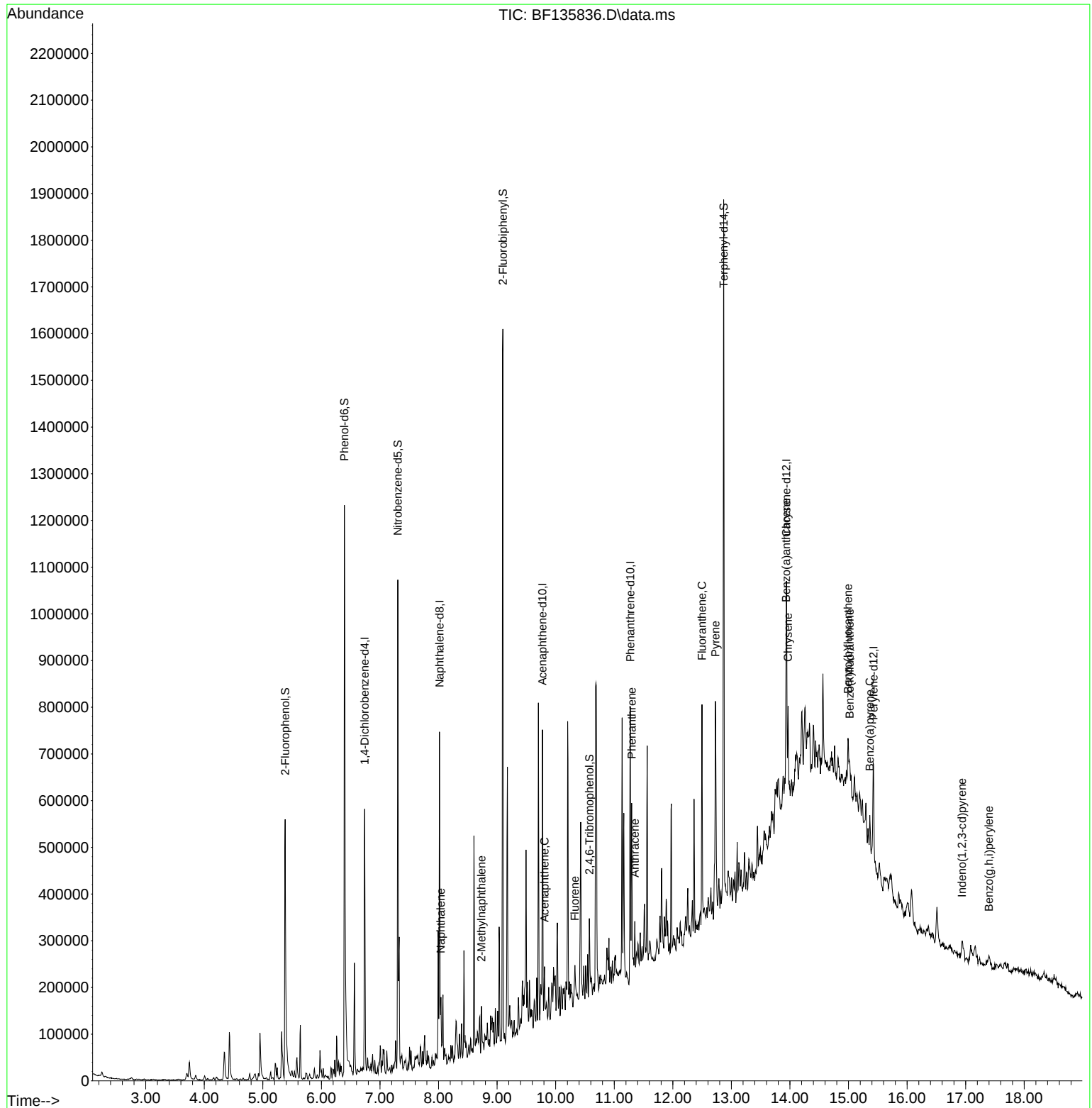
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135836.D
Acq On : 18 Oct 2023 03:38
Operator : CG\JU
Sample : 04703-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

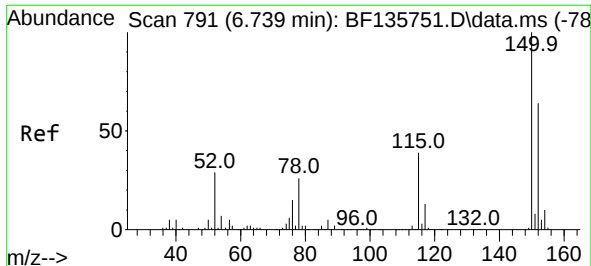
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE

Quant Time: Oct 18 05:06:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

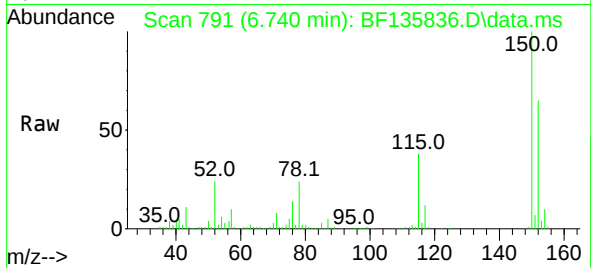
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

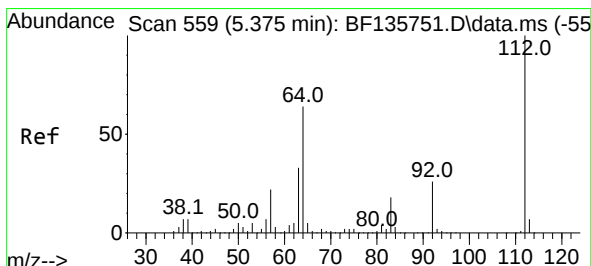
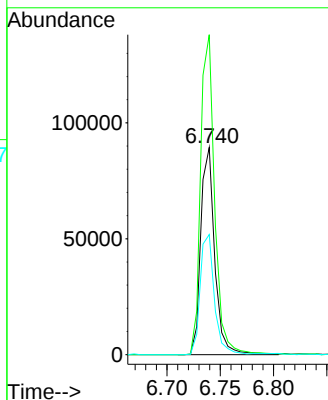
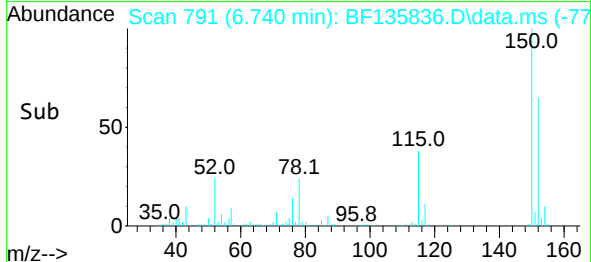
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE



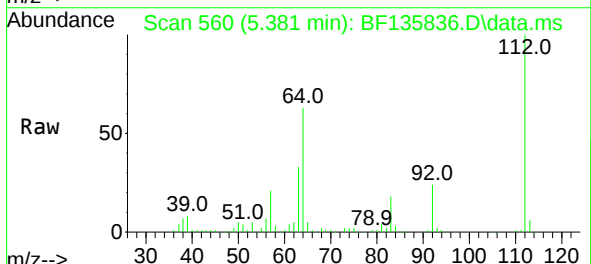
Tgt Ion:152 Resp: 81979
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 58.0 49.0 73.4

Manual Integrations
APPROVED

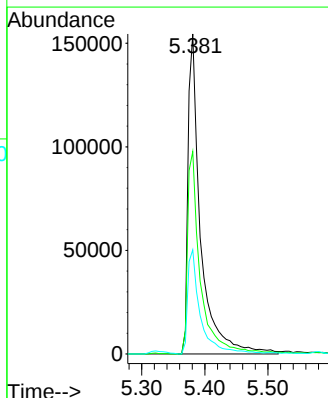
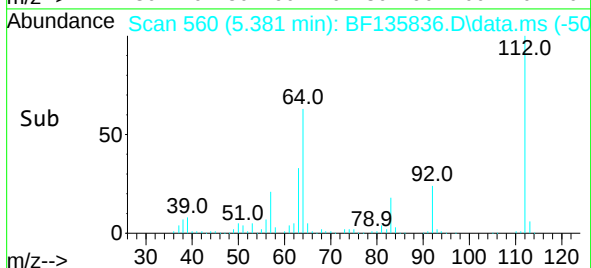
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

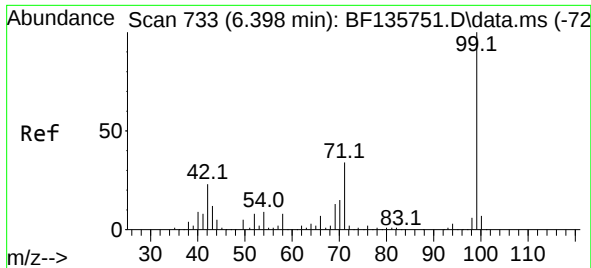


#5
2-Fluorophenol
Concen: 42.200 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38



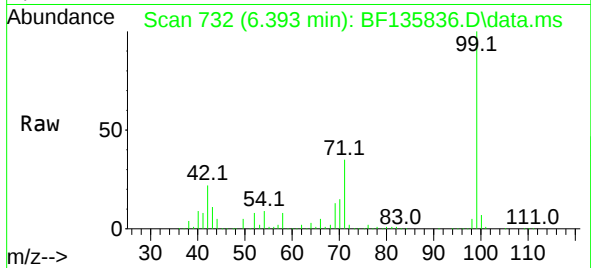
Tgt Ion:112 Resp: 215176
Ion Ratio Lower Upper
112 100
64 63.3 51.2 76.8
63 32.6 26.1 39.1





#7
Phenol-d6
Concen: 70.758 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

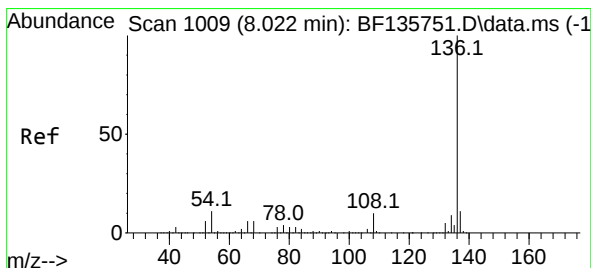
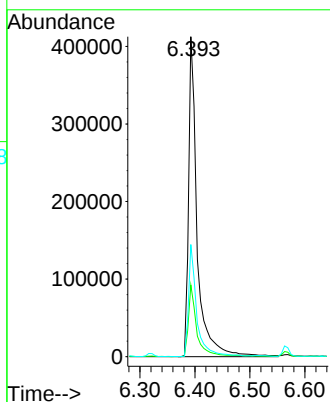
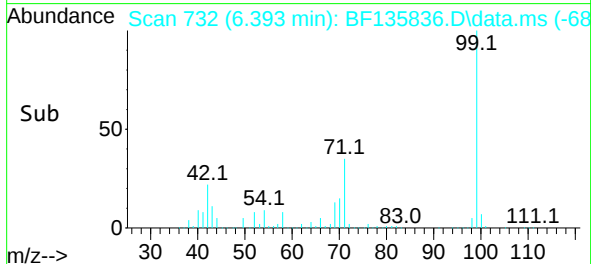
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE



Tgt Ion: 99 Resp: 450170
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 35.0 27.2 40.8

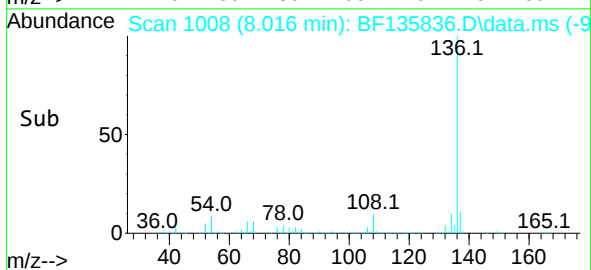
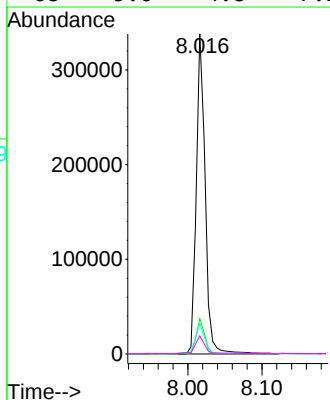
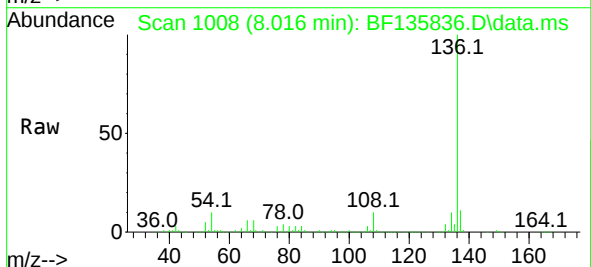
Manual Integrations
APPROVED

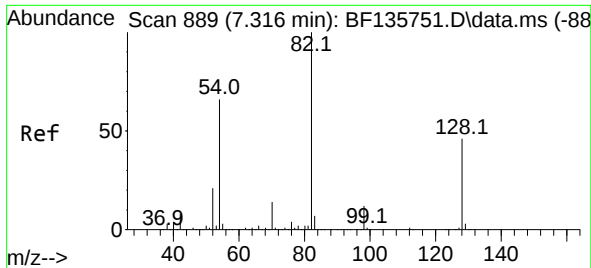
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

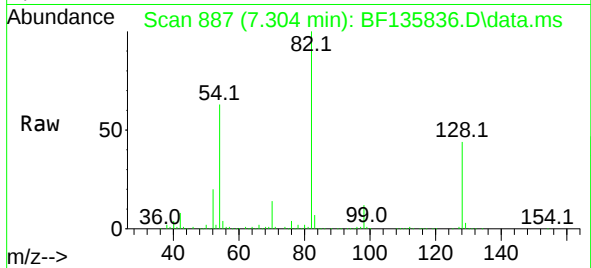
Tgt Ion:136 Resp: 281367
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.5 8.5 12.7
68 5.6 4.8 7.2





#23
Nitrobenzene-d5
Concen: 57.443 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

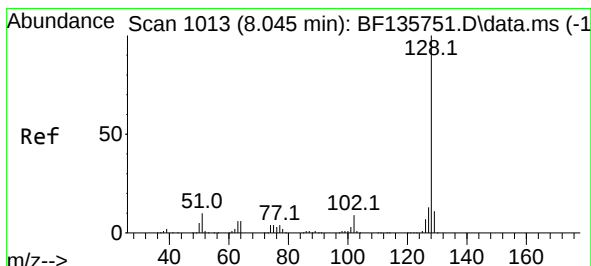
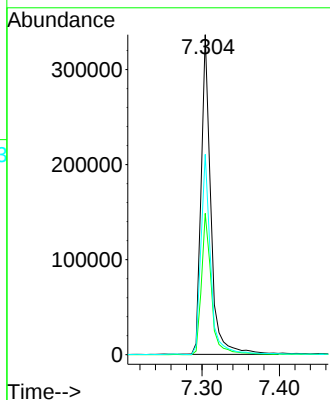
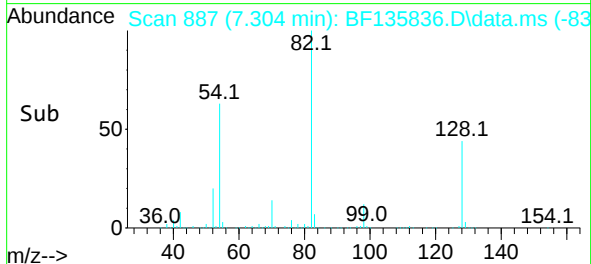
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE



Tgt Ion: 82 Resp: 293869
Ion Ratio Lower Upper
82 100
128 44.2 37.0 55.6
54 62.6 52.8 79.2

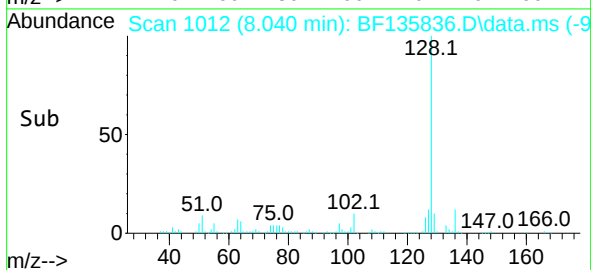
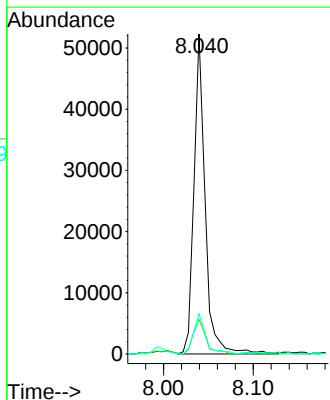
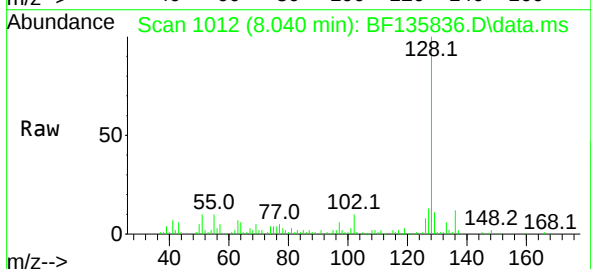
Manual Integrations
APPROVED

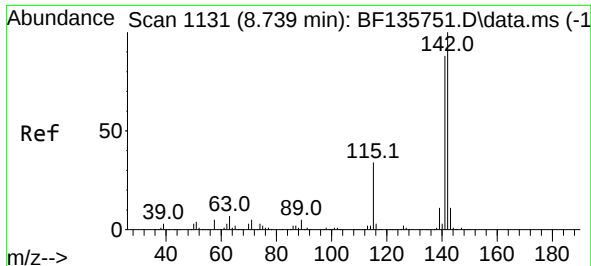
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#31
Naphthalene
Concen: 3.304 ng
RT: 8.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

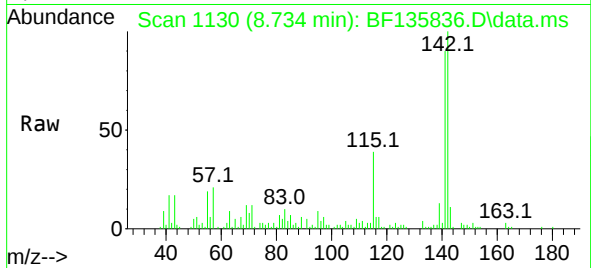
Tgt Ion:128 Resp: 45339
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.5 10.2 15.4





#37
2-Methylnaphthalene
Concen: 2.530 ng
RT: 8.734 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

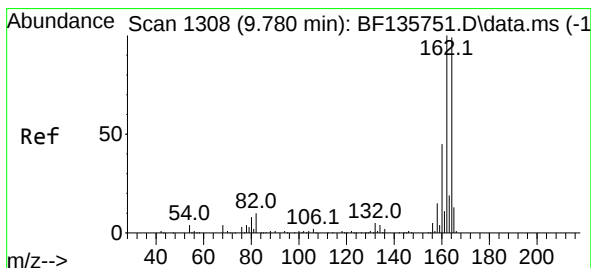
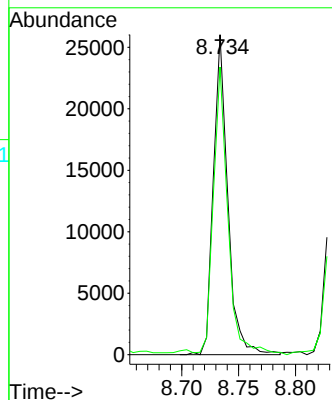
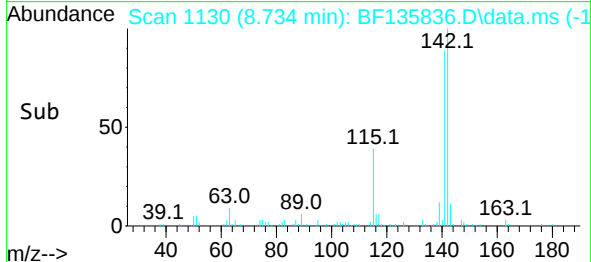
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE



Tgt Ion:142 Resp: 22870
Ion Ratio Lower Upper
142 100
141 89.9 70.6 105.8

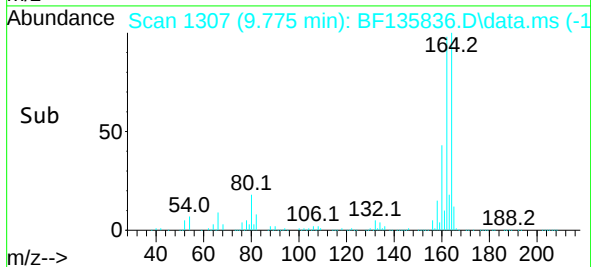
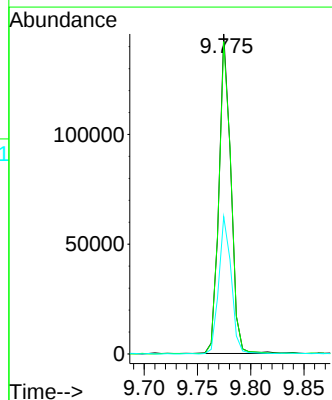
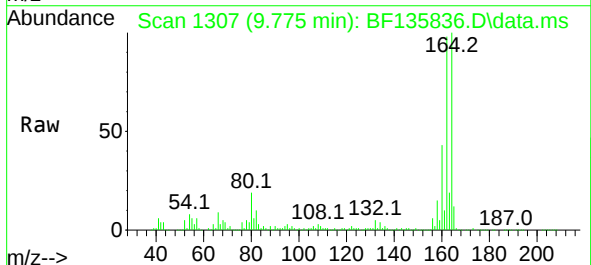
Manual Integrations
APPROVED

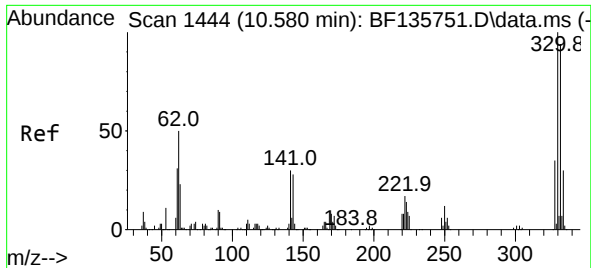
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

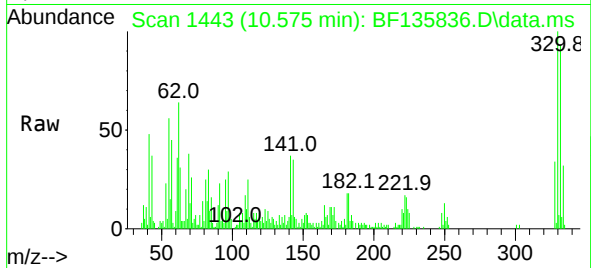
Tgt Ion:164 Resp: 112837
Ion Ratio Lower Upper
164 100
162 97.6 80.8 121.2
160 42.9 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 18.091 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

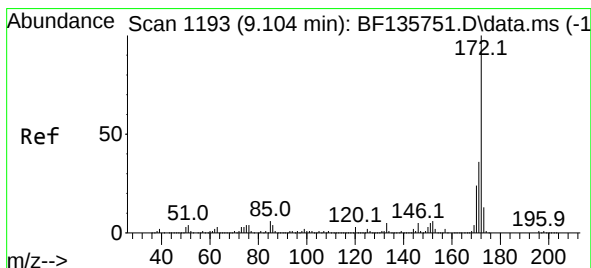
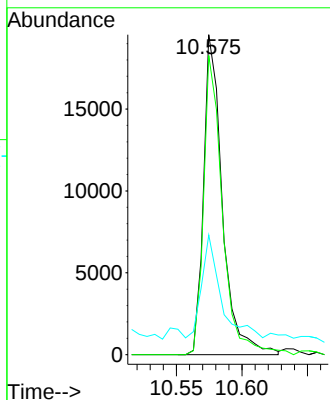
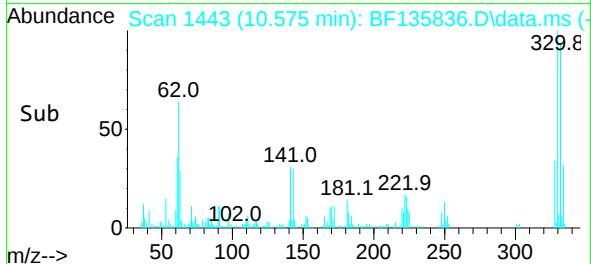
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE



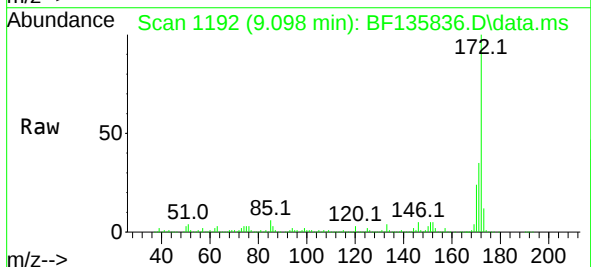
Tgt Ion: 330 Resp: 1958
Ion Ratio Lower Upper
330 100
332 93.5 75.0 112.4
141 31.8 25.8 38.6

Manual Integrations
APPROVED

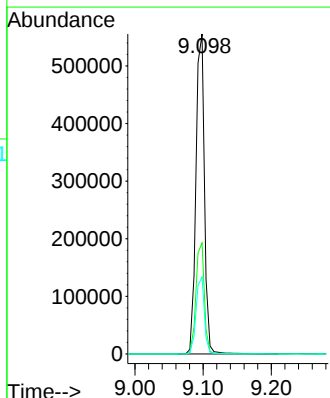
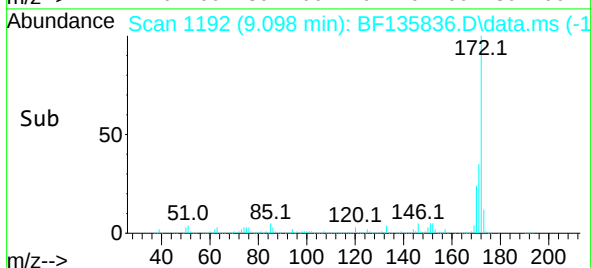
Reviewed By : Yogesh Patel 10/18/2023
Supervised By : mohammad ahmed 10/18/2023

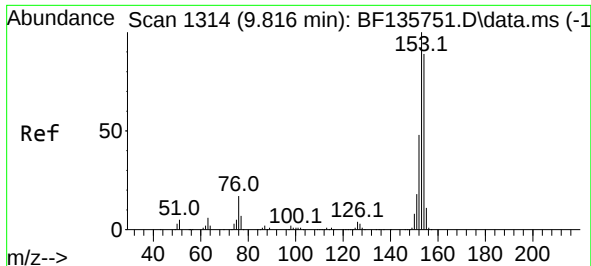


#45
2-Fluorobiphenyl
Concen: 66.989 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38



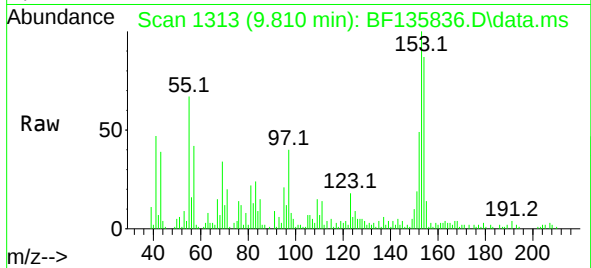
Tgt Ion: 172 Resp: 483455
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 24.1 18.8 28.2





#52
Acenaphthene
Concen: 2.415 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

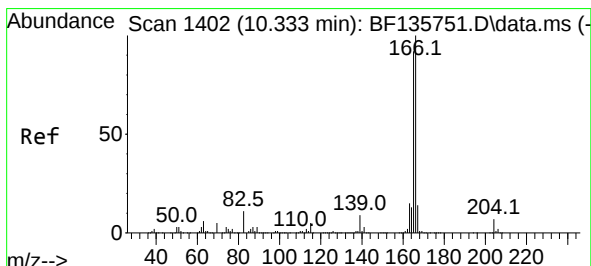
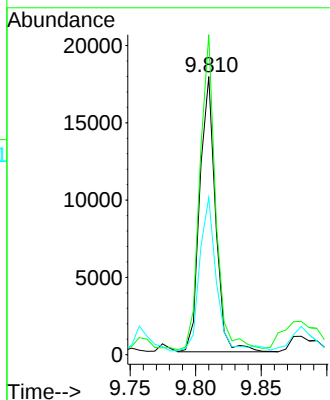
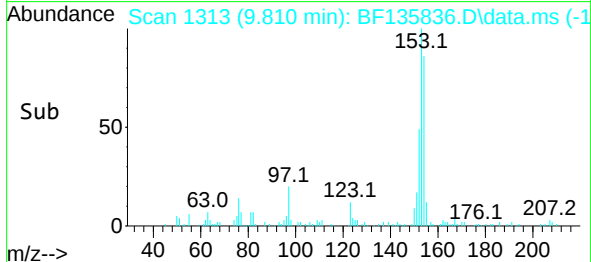
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE



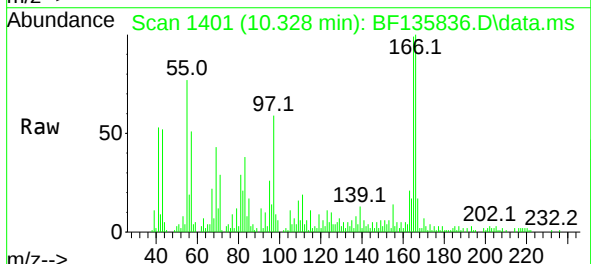
Tgt Ion:154 Resp: 1492
Ion Ratio Lower Upper
154 100
153 115.1 90.1 135.1
152 56.5 43.1 64.7

Manual Integrations
APPROVED

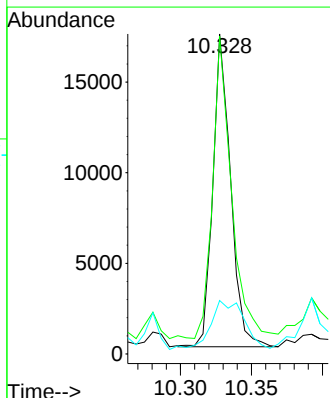
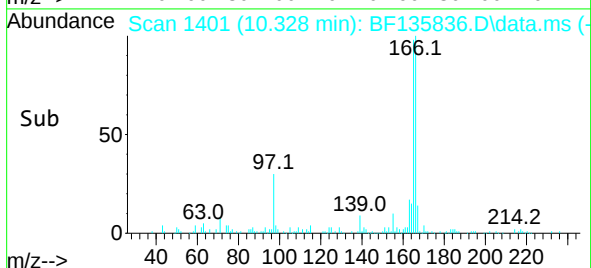
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

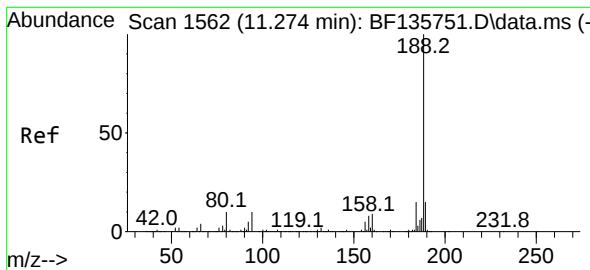


#58
Fluorene
Concen: 2.049 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38



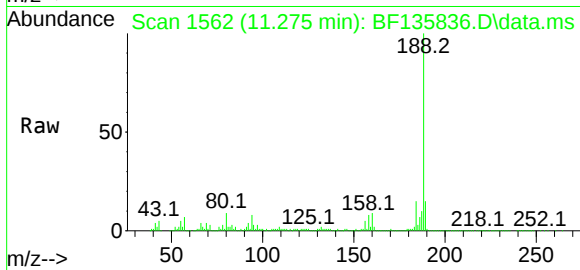
Tgt Ion:166 Resp: 14956
Ion Ratio Lower Upper
166 100
165 99.4 73.4 110.0
167 16.7 11.0 16.6#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

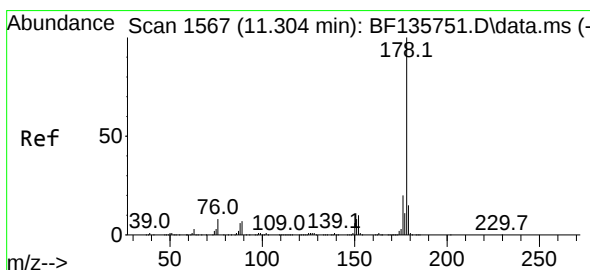
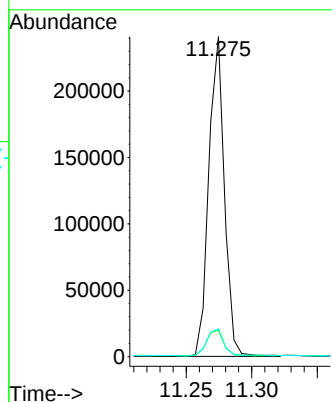
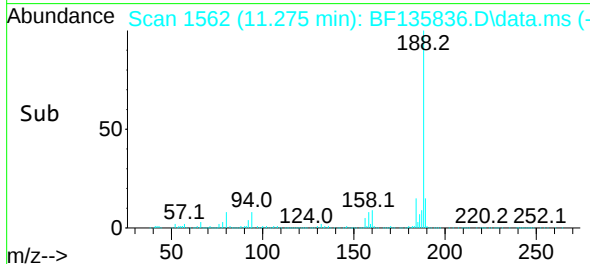
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE



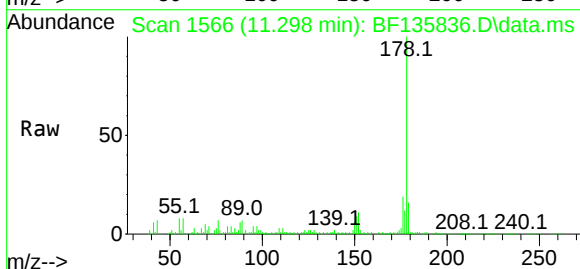
Tgt Ion:188 Resp: 200190
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 8.8 8.3 12.5

Manual Integrations
APPROVED

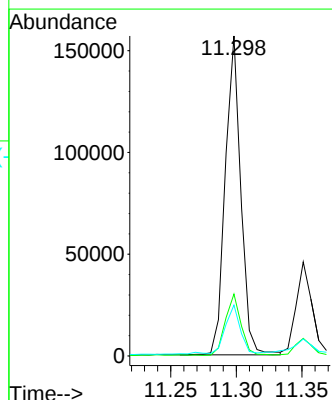
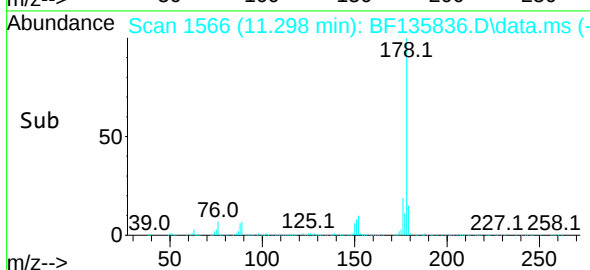
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

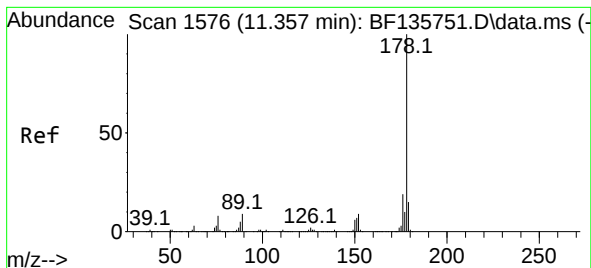


#71
Phenanthrene
Concen: 13.443 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38



Tgt Ion:178 Resp: 128918
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.9 12.2 18.4





#72

Anthracene

Concen: 3.645 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

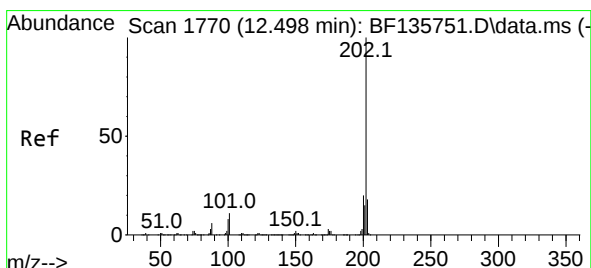
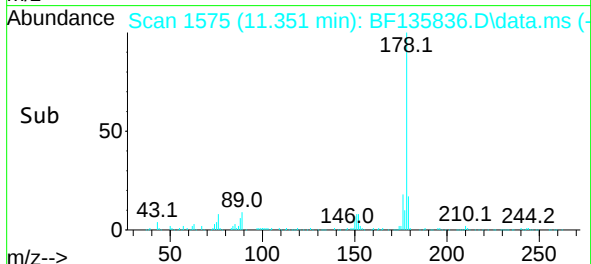
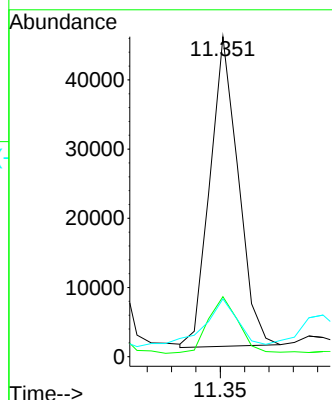
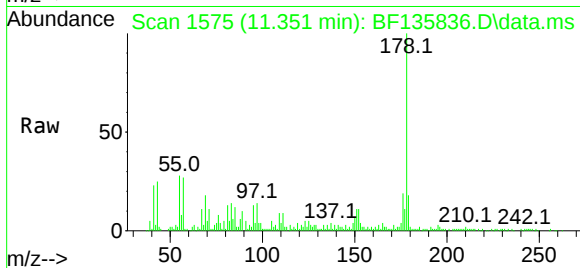
E9066-OB-003RE

Tgt Ion:	178	Resp:	3622
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.1	22.7
179	18.0	12.3	18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#75

Fluoranthene

Concen: 16.951 ng

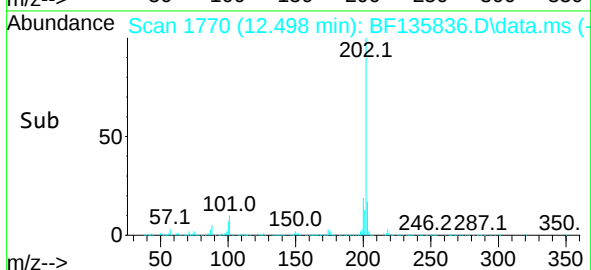
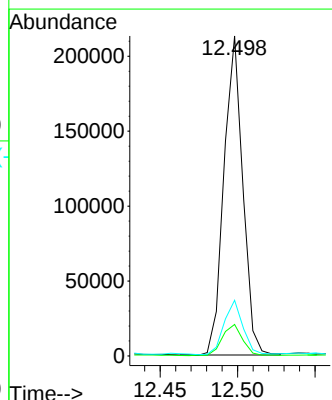
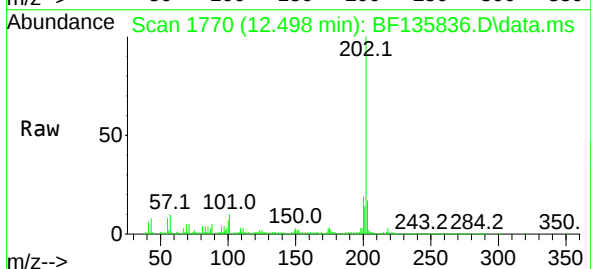
RT: 12.498 min Scan# 1770

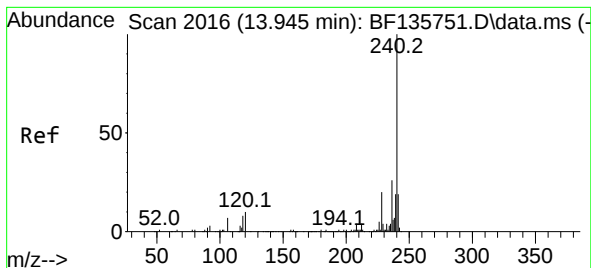
Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Tgt Ion:	202	Resp:	180420
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	31.5
203	17.4	0.0	38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

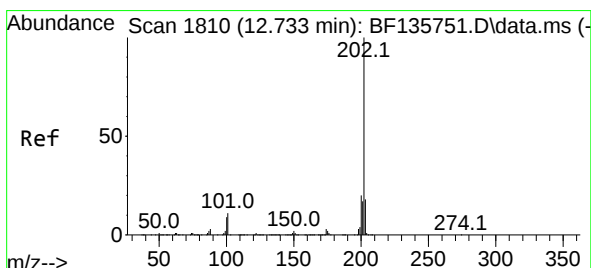
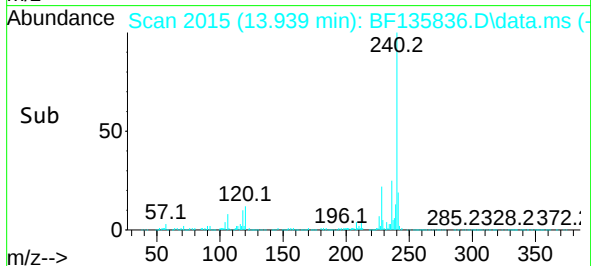
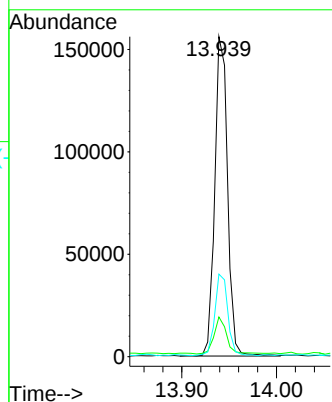
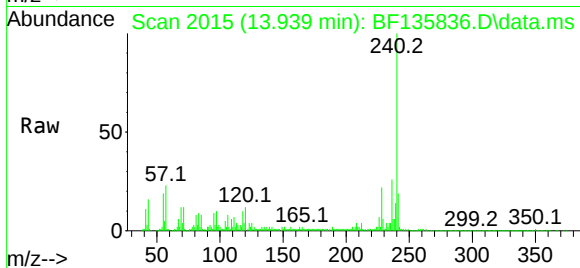
E9066-OB-003RE

Tgt Ion:240 Resp: 147083
Ion Ratio Lower Upper
240 100
120 12.4 8.2 12.2
236 25.8 21.2 31.8

Manual Integrations

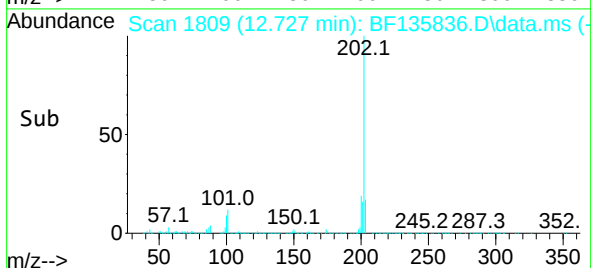
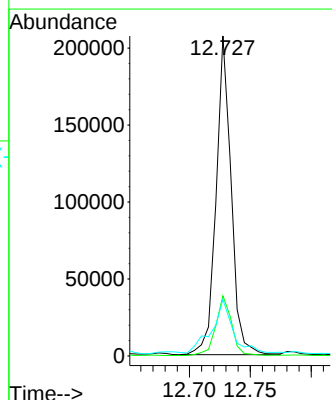
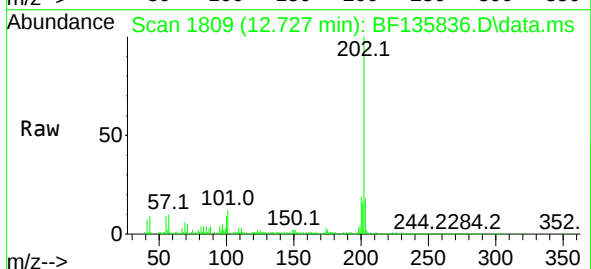
APPROVED

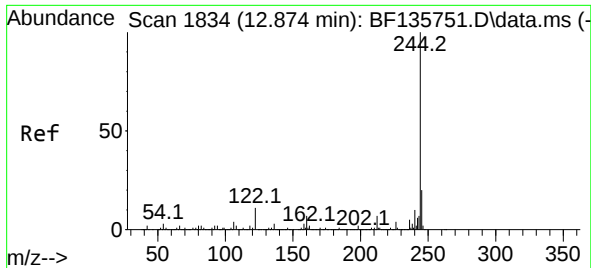
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#78
Pyrene
Concen: 15.281 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

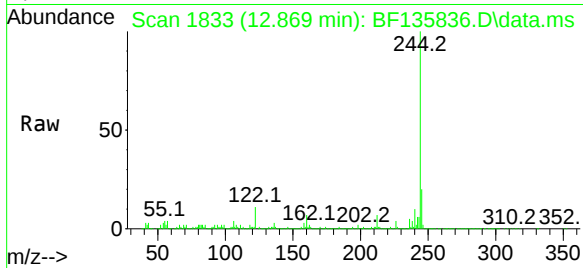
Tgt Ion:202 Resp: 178598
Ion Ratio Lower Upper
202 100
200 18.8 16.1 24.1
203 17.6 14.2 21.2





#79
 Terphenyl-d14
 Concen: 63.131 ng
 RT: 12.869 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF135836.D
 Acq: 18 Oct 2023 03:38

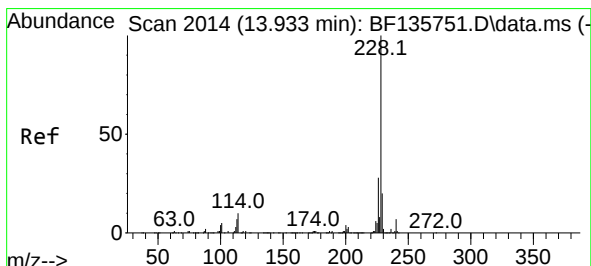
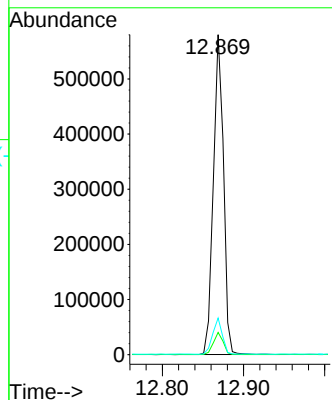
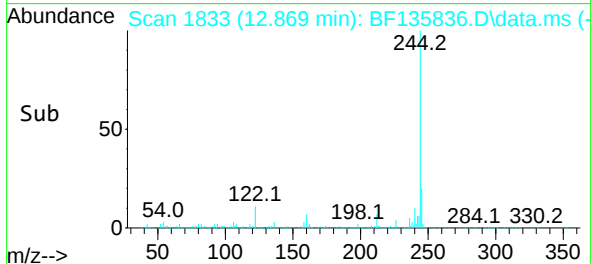
Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003RE



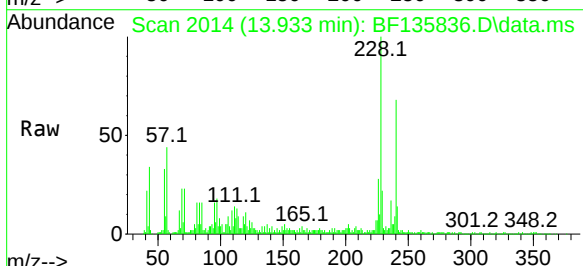
Tgt Ion:244 Resp: 50139
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.5 9.0 13.6

Manual Integrations
 APPROVED

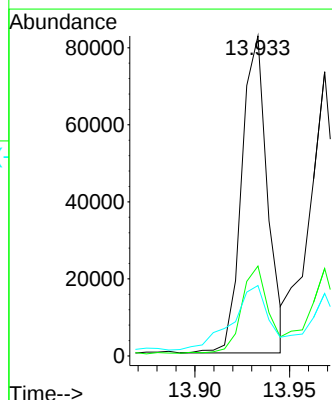
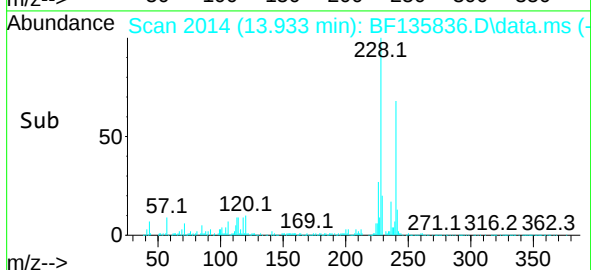
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

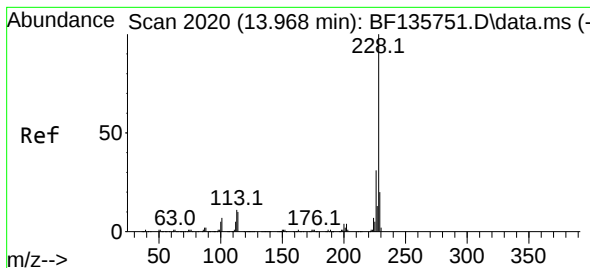


#81
 Benzo(a)anthracene
 Concen: 8.053 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135836.D
 Acq: 18 Oct 2023 03:38



Tgt Ion:228 Resp: 77799
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.2 33.2
 229 22.0 16.1 24.1





#83

Chrysene

Concen: 7.632 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

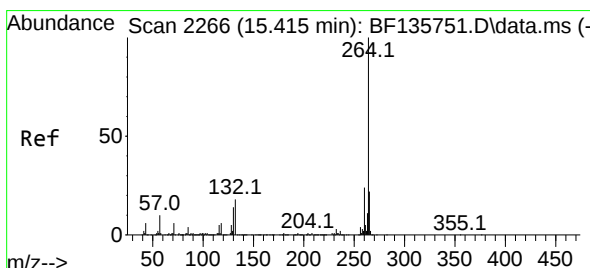
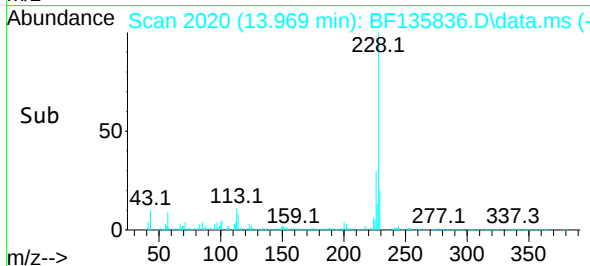
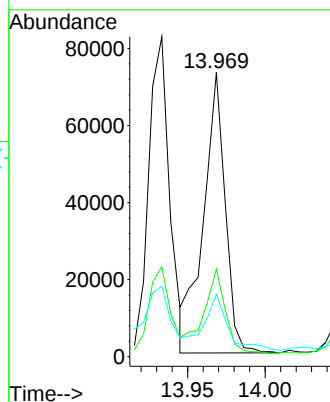
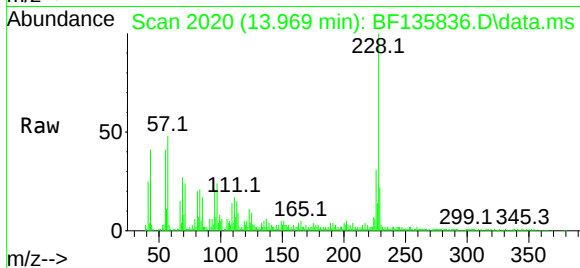
Tgt Ion:228	Resp: 7141
Ion Ratio	Lower Upper
228 100	
226 30.8	24.4 36.6
229 22.0	15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#86

Perylene-d12

Concen: 20.000 ng

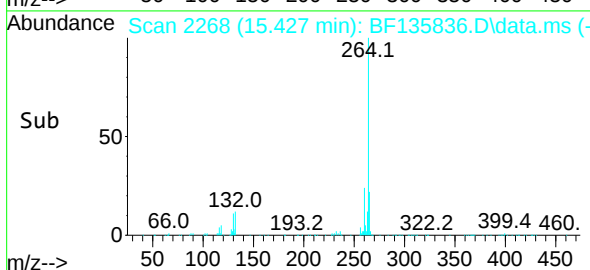
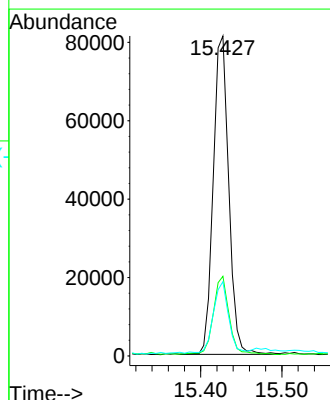
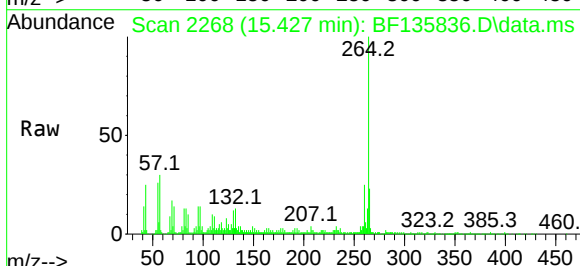
RT: 15.427 min Scan# 2268

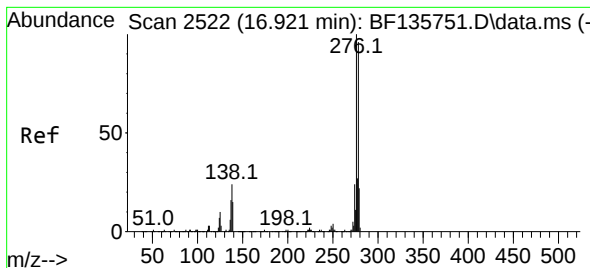
Delta R.T. 0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Tgt Ion:264	Resp: 107654
Ion Ratio	Lower Upper
264 100	
260 24.9	19.2 28.8
265 23.2	17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.866 ng

RT: 16.939 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135836.D

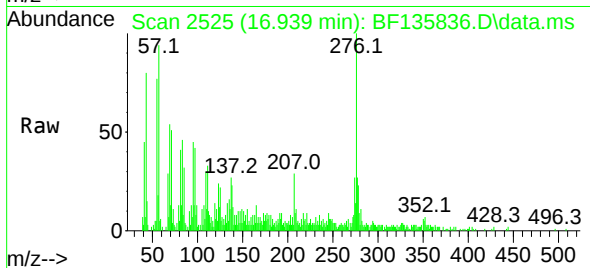
Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE



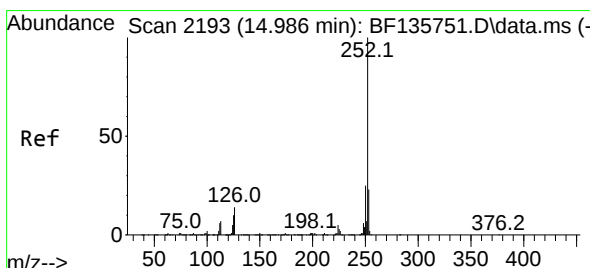
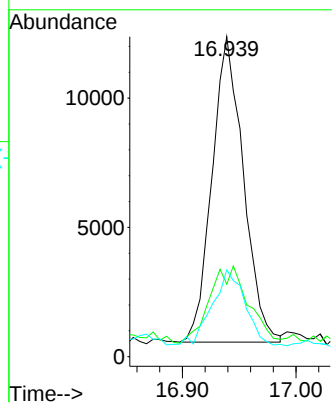
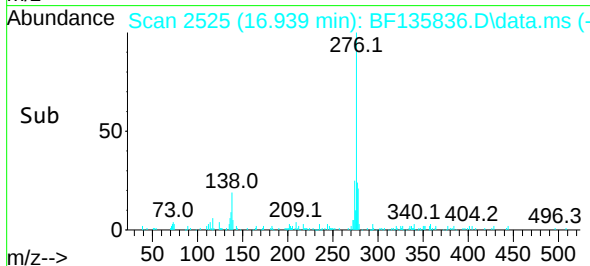
Tgt Ion:	276	Resp:	22679
Ion Ratio	Lower	Upper	
276	100		
138	31.3	19.8	29.6
277	26.2	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#88

Benzo(b)fluoranthene

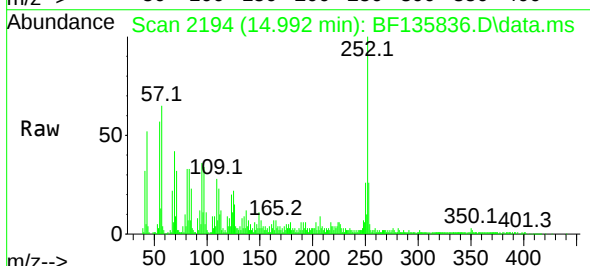
Concen: 10.703 ng m

RT: 14.992 min Scan# 2194

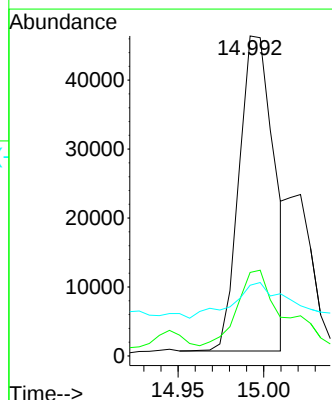
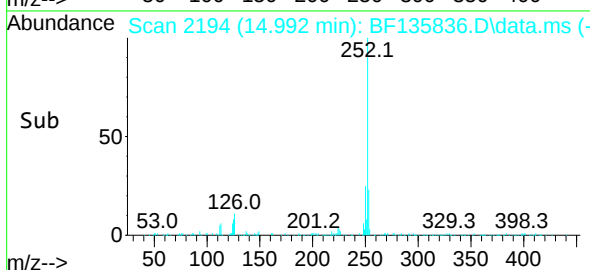
Delta R.T. -0.000 min

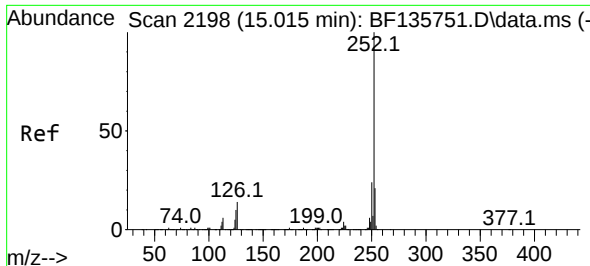
Lab File: BF135836.D

Acq: 18 Oct 2023 03:38



Tgt Ion:	252	Resp:	64486
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.2	27.2
125	22.1	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 4.054 ng m

RT: 15.021 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

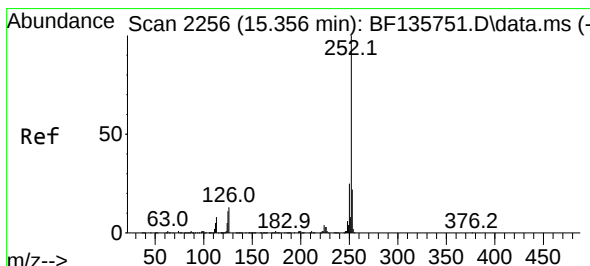
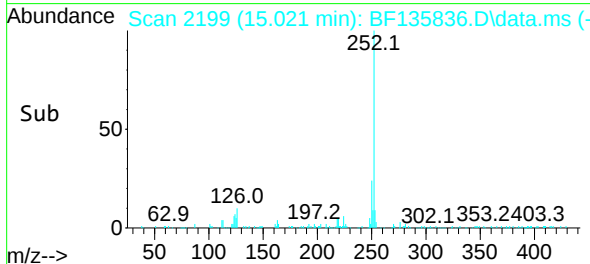
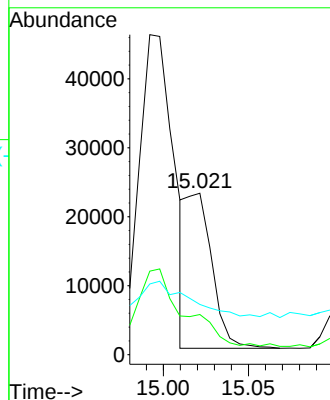
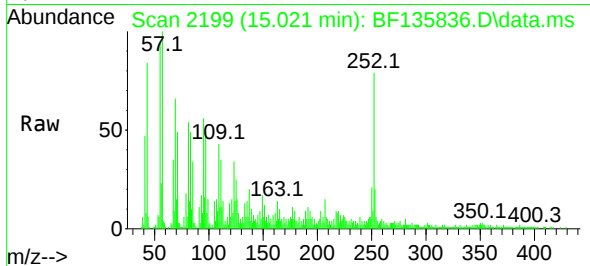
Tgt Ion:	252	Resp:	2371
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.4	26.0
125	31.1	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#90

Benzo(a)pyrene

Concen: 7.535 ng

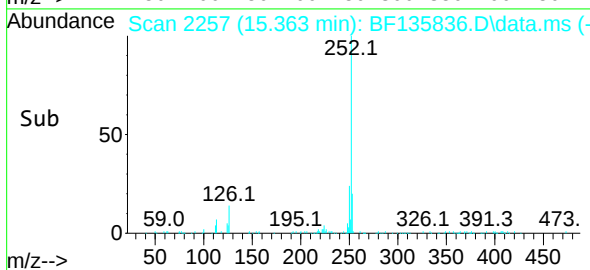
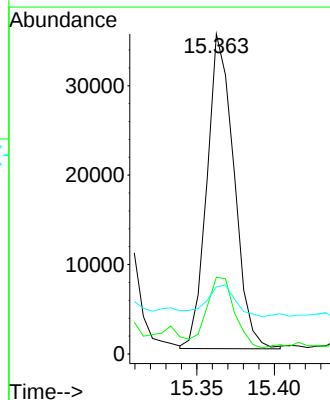
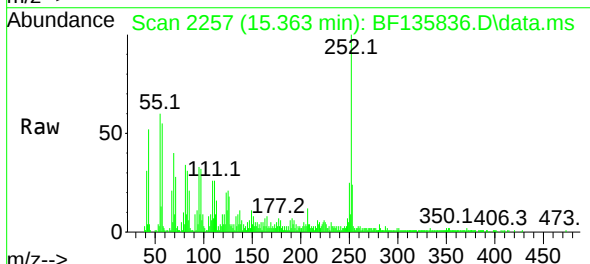
RT: 15.363 min Scan# 2257

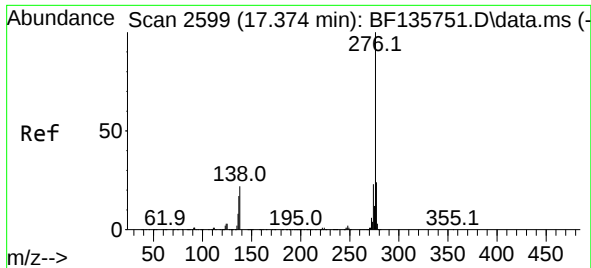
Delta R.T. -0.000 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

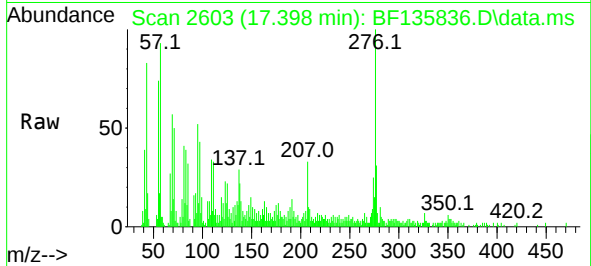
Tgt Ion:	252	Resp:	42691
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	21.0	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.151 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF135836.D
 Acq: 18 Oct 2023 03:38

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003RE



Tgt Ion:	276	Resp:	2544
Ion Ratio	Lower	Upper	
276	100		
277	31.1	19.4	29.2
138	22.3	17.3	25.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

